Comune di Parma

SETTORE OPERE PUBBLICHE

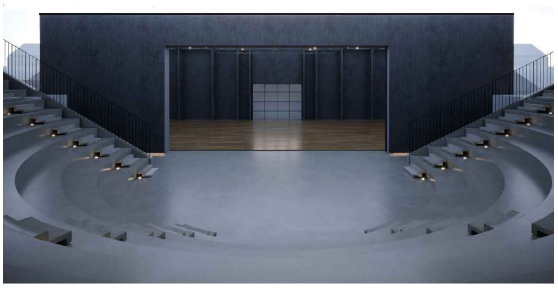
responsabile unico di progetto

Ing. Cecilia Damoni

progetto

DELBOCA+PARTNERS

studio associato delboca+Partners
Ripa di Porta Ticinese 21 - 20143 Milano | via F. S. Nitti 8 - 43126 Parma
arch. Giovanni del Boca - arch.ing. Alessandra Amoretti



collaborazione per la progettazione strutturale

Ing. Sergio Foppiani
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CUP I92H24000890004 - CUI L00162210348202500050

Lavori di adeguamento e completamento dell'Arena Shakespeare e del Teatro Due

Progetto di fattibilità tecnico economica

	data	descrizione	redatto da:	controllato da:	approvato da:
01	luglio 26	emissione	Ing. Sergio Foppiani		Ing. Sergio Foppiani
02					
03					
04					
05					
06					

Strutture

titolo elaborato:

Tabulato di calcolo

elaborato:

PFTE.DOC.05

formato	A4
scala	-

file: 260707 Cartiglio aggiornato.dwg

E' vietata la riproduzione e diffusione in qualsiasi forma. Tutti i diritti sono riservati nei termini di legge al Comune di Parma

AMV s.r.l.
Via San Lorenzo, 106 Tel. 0481/779903
34077 Ronchi dei Legionari (GO)

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **6** Descrizione: **Controventi tra gli elementi verticali**
Tabella: **Tabella reticolare travi e pilastri** Struttura: **Nuova**
Tipo acciaio: **S 235** Tipo asta: **Asta semplice_____**
Coeff. riduzione dell' area: **0.000** Beta piano 'yx': **1.000** Beta piano 'zx': **1.000**

ASTA NUM. 1 NI 938 NF 559 Lungh. 308.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-224	11.3	79	1.00	1.81	35.9	2395.5	

ASTA NUM. 2 NI 561 NF 559 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-314	11.3	77	1.00	1.78	49.6	2395.5	

ASTA NUM. 3 NI 938 NF 748 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-312	11.3	77	1.00	1.78	49.3	2395.5	

ASTA NUM. 4 NI 563 NF 938 Lungh. 397.9 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3026	11.3	101	1.00	2.24	600.3	2395.5	

ASTA NUM. 5 NI 564 NF 743 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5737	11.3	95	1.00	2.11	1072.5	2395.5	

ASTA NUM. 6 NI 743 NF 946 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3178	11.3	95	1.00	2.11	594.0	2395.5	

ASTA NUM. 7 NI 946 NF 563 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3819	11.3	95	1.00	2.11	713.9	2395.5	

ASTA NUM. 8 NI 950 NF 743 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	437	11.3	--	--	--	38.7	2395.5	

ASTA NUM. 9 NI 946 NF 562 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	-232	11.3	77	1.00	1.78	36.5	2395.5	

ASTA NUM. 10 NI 942 NF 563 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	447	11.3	--	--	--	39.5	2395.5	

ASTA NUM. 11 NI 558 NF 556 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-460	11.3	77	1.00	1.78	72.6	2395.5	

ASTA NUM. 12 NI 223 NF 937 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-358	11.3	77	1.00	1.78	56.5	2395.5	

ASTA NUM. 13 NI 558 NF 937 Lungh. 308.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-202	11.3	79	1.00	1.81	32.4	2395.5	

ASTA NUM. 14 NI 224 NF 935 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2091	11.3	77	1.00	1.78	329.7	2395.5	

ASTA NUM. 15 NI 379 NF 933 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	-305	11.3	77	1.00	1.78	48.0	2395.5	

ASTA NUM. 16 NI 225 NF 931 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	288	11.3	--	--	--	25.5	2395.5	

ASTA NUM. 17 NI 224 NF 937 Lungh. 397.9 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2698	11.3	101	1.00	2.24	535.2	2395.5	

ASTA NUM. 18 NI 379 NF 935 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3585	11.3	95	1.00	2.11	670.2	2395.5	

ASTA NUM. 19 NI 931 NF 379 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2934	11.3	95	1.00	2.11	548.5	2395.5	

ASTA NUM. 20 NI 567 NF 931 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5509	11.3	95	1.00	2.11	1029.9	2395.5	

ASTA NUM. 21 NI 550 NF 541 Lungh. 308.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-427	11.3	79	1.00	1.81	68.5	2395.5	

ASTA NUM. 22 NI 545 NF 541 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-405	11.3	77	1.00	1.78	63.9	2395.5	

ASTA NUM. 23 NI 550 NF 907 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-379	11.3	77	1.00	1.78	59.8	2395.5	

ASTA NUM. 24 NI 911 NF 550 Lungh. 397.9 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2901	11.3	101	1.00	2.24	575.5	2395.5	

ASTA NUM. 25 NI 546 NF 919 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5685	11.3	95	1.00	2.11	1062.8	2395.5	

ASTA NUM. 26 NI 919 NF 881 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3043	11.3	95	1.00	2.11	568.8	2395.5	

ASTA NUM. 27 NI 911 NF 881 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3762	11.3	95	1.00	2.11	703.3	2395.5	

ASTA NUM. 28 NI 420 NF 919 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	322	11.3	--	--	--	28.5	2395.5	

ASTA NUM. 29 NI 881 NF 915 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	-322	11.3	77	1.00	1.78	50.8	2395.5	

ASTA NUM. 30 NI 893 NF 911 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	360	11.3	--	--	--	31.8	2395.5	

ASTA NUM. 31 NI 255 NF 293 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4699	11.3	95	1.00	2.11	878.5	2395.5	

ASTA NUM. 32 NI 293 NF 253 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-347	11.3	77	1.00	1.78	54.8	2395.5	

ASTA NUM. 33 NI 243 NF 293 Lungh. 319.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2882	11.3	82	1.00	1.86	474.6	2395.5	

ASTA NUM. 34 NI 283 NF 243 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3082	11.3	77	1.00	1.78	486.0	2395.5	

ASTA NUM. 35 NI 282 NF 259 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5099	11.3	95	1.00	2.11	953.3	2395.5	

ASTA NUM. 36 NI 259 NF 297 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5024	11.3	95	1.00	2.11	939.1	2395.5	

ASTA NUM. 37 NI 297 NF 255 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4902	11.3	95	1.00	2.11	916.3	2395.5	

ASTA NUM. 38 NI 299 NF 259 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-68	11.3	77	1.00	1.78	10.7	2395.5	

ASTA NUM. 39 NI 297 NF 257 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-56	11.3	77	1.00	1.78	8.9	2395.5	

ASTA NUM. 40 NI 295 NF 255 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-50	11.3	77	1.00	1.78	7.8	2395.5	

ASTA NUM. 41 NI 214 NF 193 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2549	11.3	48	1.00	1.44	323.9	2395.5	

ASTA NUM. 42 NI 193 NF 213 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-390	11.3	39	1.00	1.36	46.8	2395.5	

ASTA NUM. 43 NI 193 NF 203 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1435	11.3	48	1.00	1.44	182.3	2395.5	

ASTA NUM. 44 NI 551 NF 547 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-354	11.3	77	1.00	1.78	55.9	2395.5	

ASTA NUM. 45 NI 877 NF 547 Lungh. 308.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-266	11.3	79	1.00	1.81	42.7	2395.5	

ASTA NUM. 46 NI 183 NF 203 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-365	11.3	39	1.00	1.36	43.9	2395.5	

ASTA NUM. 47 NI 553 NF 877 Lungh. 397.9 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2888	11.3	101	1.00	2.24	573.0	2395.5	

ASTA NUM. 48 NI 877 NF 554 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-324	11.3	77	1.00	1.78	51.1	2395.5	

ASTA NUM. 49 NI 885 NF 553 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	430	11.3	--	--	--	38.1	2395.5	

ASTA NUM. 50 NI 891 NF 560 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
8	-233	11.3	77	1.00	1.78	36.8	2395.5	

ASTA NUM. 51 NI 895 NF 940 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	437	11.3	--	--	--	38.7	2395.5	

ASTA NUM. 52 NI 891 NF 553 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3705	11.3	95	1.00	2.11	692.6	2395.5	

ASTA NUM. 53 NI 940 NF 891 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3042	11.3	95	1.00	2.11	568.7	2395.5	

ASTA NUM. 54 NI 552 NF 940 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5628	11.3	95	1.00	2.11	1052.1	2395.5	

ASTA NUM. 55 NI 182 NF 220 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3625	11.3	48	1.00	1.44	460.5	2395.5	

ASTA NUM. 56 NI 220 NF 199 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3237	11.3	48	1.00	1.44	411.3	2395.5	

ASTA NUM. 57 NI 199 NF 218 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3551	11.3	48	1.00	1.44	451.2	2395.5	

ASTA NUM. 58 NI 218 NF 197 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3200	11.3	48	1.00	1.44	406.6	2395.5	

ASTA NUM. 59 NI 197 NF 216 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3467	11.3	48	1.00	1.44	440.5	2395.5	

ASTA NUM. 60 NI 216 NF 195 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3087	11.3	48	1.00	1.44	392.3	2395.5	

ASTA NUM. 61 NI 195 NF 214 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3122	11.3	48	1.00	1.44	396.7	2395.5	

ASTA NUM. 62 NI 200 NF 220 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	111	11.3	--	--	--	9.8	2395.5	

ASTA NUM. 63 NI 199 NF 219 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	118	11.3	--	--	--	10.4	2395.5	

ASTA NUM. 64 NI 198 NF 218 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	60	11.3	--	--	--	5.3	2395.5	

ASTA NUM. 65 NI 197 NF 217 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-37	11.3	39	1.00	1.36	4.4	2395.5	

ASTA NUM. 66 NI 196 NF 216 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-41	11.3	39	1.00	1.36	4.9	2395.5	

ASTA NUM. 67 NI 195 NF 215 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-118	11.3	39	1.00	1.36	14.1	2395.5	

ASTA NUM. 68 NI 194 NF 214 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-97	11.3	39	1.00	1.36	11.6	2395.5	

ASTA NUM. 69 NI 515 NF 536 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4604	11.3	48	1.00	1.44	585.0	2395.5	

ASTA NUM. 70 NI 536 NF 516 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-272	11.3	39	1.00	1.36	32.7	2395.5	

ASTA NUM. 71 NI 536 NF 517 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3785	11.3	48	1.00	1.44	480.9	2395.5	

ASTA NUM. 72 NI 537 NF 517 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-171	11.3	39	1.00	1.36	20.5	2395.5	

ASTA NUM. 73 NI 540 NF 509 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-6085	11.3	48	1.00	1.44	773.1	2395.5	

ASTA NUM. 74 NI 509 NF 530 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5557	11.3	48	1.00	1.44	706.1	2395.5	

ASTA NUM. 75 NI 530 NF 511 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5911	11.3	48	1.00	1.44	751.1	2395.5	

ASTA NUM. 76 NI 511 NF 532 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5474	11.3	48	1.00	1.44	695.5	2395.5	

ASTA NUM. 77 NI 532 NF 513 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5720	11.3	48	1.00	1.44	726.7	2395.5	

ASTA NUM. 78 NI 513 NF 534 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5256	11.3	48	1.00	1.44	667.8	2395.5	

ASTA NUM. 79 NI 534 NF 515 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5181	11.3	48	1.00	1.44	658.3	2395.5	

ASTA NUM. 80 NI 529 NF 509 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	102	11.3	--	--	--	9.1	2395.5	

ASTA NUM. 81 NI 530 NF 510 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	86	11.3	--	--	--	7.7	2395.5	

ASTA NUM. 82 NI 531 NF 511 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	63	11.3	--	--	--	5.6	2395.5	

ASTA NUM. 83 NI 532 NF 512 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-34	11.3	39	1.00	1.36	4.1	2395.5	

ASTA NUM. 84 NI 533 NF 513 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-39	11.3	39	1.00	1.36	4.7	2395.5	

ASTA NUM. 85 NI 534 NF 514 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-79	11.3	39	1.00	1.36	9.5	2395.5	

ASTA NUM. 86 NI 535 NF 515 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-114	11.3	39	1.00	1.36	13.7	2395.5	

ASTA NUM. 87 NI 474 NF 436 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-10661	11.3	95	1.00	2.11	1993.0	2395.5	

ASTA NUM. 88 NI 436 NF 476 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-536	11.3	77	1.00	1.78	84.5	2395.5	

ASTA NUM. 89 NI 436 NF 477 Lungh. 319.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4423	11.3	82	1.00	1.86	728.3	2395.5	

ASTA NUM. 90 NI 437 NF 477 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	4755	11.3	--	--	--	420.8	2395.5	

ASTA NUM. 91 NI 440 NF 470 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-9243	11.3	95	1.00	2.11	1728.0	2395.5	

ASTA NUM. 92 NI 470 NF 432 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-11836	11.3	95	1.00	2.11	2212.6	2395.5	

ASTA NUM. 93 NI 432 NF 474 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-8916	11.3	95	1.00	2.11	1666.8	2395.5	

ASTA NUM. 94 NI 430 NF 470 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-65	11.3	77	1.00	1.78	10.3	2395.5	

ASTA NUM. 95 NI 432 NF 472 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-58	11.3	77	1.00	1.78	9.1	2395.5	

ASTA NUM. 96 NI 434 NF 474 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-416	11.3	77	1.00	1.78	65.6	2395.5	

ASTA NUM. 97 NI 605 NF 644 Lungh. 319.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5399	11.3	82	1.00	1.86	889.0	2395.5	

ASTA NUM. 98 NI 647 NF 607 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-535	11.3	77	1.00	1.78	84.4	2395.5	

ASTA NUM. 99 NI 647 NF 609 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-8054	11.3	95	1.00	2.11	1505.6	2395.5	

ASTA NUM. 100 NI 649 NF 609 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-8503	11.3	77	1.00	1.78	1341.1	2395.5	

ASTA NUM. 101 NI 649 NF 611 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-8240	11.3	95	1.00	2.11	1540.5	2395.5	

ASTA NUM. 102 NI 651 NF 611 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-43	11.3	77	1.00	1.78	6.7	2395.5	

ASTA NUM. 103 NI 647 NF 605 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-9945	11.3	95	1.00	2.11	1859.1	2395.5	

ASTA NUM. 104 NI 641 NF 611 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-11239	11.3	95	1.00	2.11	2101.0	2395.5	

ASTA NUM. 105 NI 685 NF 716 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-212	11.3	39	1.00	1.36	25.4	2395.5	

ASTA NUM. 106 NI 715 NF 685 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4528	11.3	48	1.00	1.44	575.4	2395.5	

ASTA NUM. 107 NI 685 NF 717 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3775	11.3	48	1.00	1.44	479.7	2395.5	

ASTA NUM. 108 NI 684 NF 717 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2733	11.3	39	1.00	1.36	328.5	2395.5	

ASTA NUM. 109 NI 686 NF 715 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-132	11.3	39	1.00	1.36	15.8	2395.5	

ASTA NUM. 110 NI 687 NF 714 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-52	11.3	39	1.00	1.36	6.3	2395.5	

ASTA NUM. 111 NI 688 NF 713 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-51	11.3	39	1.00	1.36	6.1	2395.5	

ASTA NUM. 112 NI 689 NF 712 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-36	11.3	39	1.00	1.36	4.4	2395.5	

ASTA NUM. 113 NI 690 NF 711 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	66	11.3	--	--	--	5.8	2395.5	

ASTA NUM. 114 NI 691 NF 710 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	82	11.3	--	--	--	7.3	2395.5	

ASTA NUM. 115 NI 692 NF 709 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	82	11.3	--	--	--	7.3	2395.5	

ASTA NUM. 116 NI 687 NF 715 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4974	11.3	48	1.00	1.44	632.0	2395.5	

ASTA NUM. 117 NI 713 NF 687 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5432	11.3	48	1.00	1.44	690.2	2395.5	

ASTA NUM. 118 NI 689 NF 713 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5330	11.3	48	1.00	1.44	677.3	2395.5	

ASTA NUM. 119 NI 711 NF 689 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5755	11.3	48	1.00	1.44	731.3	2395.5	

ASTA NUM. 120 NI 691 NF 711 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5462	11.3	48	1.00	1.44	694.0	2395.5	

ASTA NUM. 121 NI 709 NF 691 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5869	11.3	48	1.00	1.44	745.7	2395.5	

ASTA NUM. 122 NI 681 NF 709 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-5669	11.3	48	1.00	1.44	720.3	2395.5	

ASTA NUM. 123 NI 614 NF 605 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2976	11.3	31	1.00	1.31	346.3	2395.5	

ASTA NUM. 124 NI 654 NF 645 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1341	11.3	31	1.00	1.31	156.1	2395.5	

ASTA NUM. 125 NI 694 NF 685 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1744	11.3	31	1.00	1.31	202.9	2395.5	

ASTA NUM. 126 NI 707 NF 716 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1624	11.3	31	1.00	1.31	189.0	2395.5	

ASTA NUM. 127 NI 427 NF 436 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2826	11.3	31	1.00	1.31	328.9	2395.5	

ASTA NUM. 128 NI 467 NF 476 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1422	11.3	31	1.00	1.31	165.5	2395.5	

ASTA NUM. 129 NI 507 NF 516 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1739	11.3	31	1.00	1.31	202.4	2395.5	

ASTA NUM. 130 NI 527 NF 536 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1647	11.3	31	1.00	1.31	191.7	2395.5	

ASTA NUM. 131 NI 194 NF 185 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	1018	11.3	--	--	--	90.1	2395.5	

ASTA NUM. 132 NI 214 NF 205 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1714	11.3	31	1.00	1.31	199.5	2395.5	

ASTA NUM. 133 NI 254 NF 245 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2053	11.3	31	1.00	1.31	238.9	2395.5	

ASTA NUM. 134 NI 294 NF 285 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2266	11.3	31	1.00	1.31	263.7	2395.5	

ASTA NUM. 135 NI 178 NF 158 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2715	11.3	39	1.00	1.36	326.3	2395.5	

ASTA NUM. 136 NI 334 NF 325 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3024	11.3	31	1.00	1.31	351.9	2395.5	

ASTA NUM. 137 NI 347 NF 356 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3790	11.3	31	1.00	1.31	441.0	2395.5	

ASTA NUM. 138 NI 14 NF 5 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-826	11.3	31	1.00	1.31	96.1	2395.5	

ASTA NUM. 139 NI 27 NF 36 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1548	11.3	31	1.00	1.31	180.1	2395.5	

ASTA NUM. 140 NI 148 NF 178 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1856	11.3	48	1.00	1.44	235.8	2395.5	

ASTA NUM. 141 NI 67 NF 76 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2102	11.3	31	1.00	1.31	244.6	2395.5	

ASTA NUM. 142 NI 168 NF 148 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1854	11.3	39	1.00	1.36	222.9	2395.5	

ASTA NUM. 143 NI 107 NF 116 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2244	11.3	31	1.00	1.31	261.1	2395.5	

ASTA NUM. 144 NI 147 NF 168 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2741	11.3	48	1.00	1.44	348.3	2395.5	

ASTA NUM. 145 NI 147 NF 156 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2869	11.3	31	1.00	1.31	333.8	2395.5	

ASTA NUM. 146 NI 167 NF 176 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3974	11.3	31	1.00	1.31	462.5	2395.5	

ASTA NUM. 147 NI 176 NF 178 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2411	11.3	31	1.00	1.31	280.6	2395.5	

ASTA NUM. 148 NI 156 NF 158 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1257	11.3	31	1.00	1.31	146.3	2395.5	

ASTA NUM. 149 NI 167 NF 147 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2192	11.3	39	1.00	1.36	263.5	2395.5	

ASTA NUM. 150 NI 116 NF 118 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2832	11.3	31	1.00	1.31	329.5	2395.5	

ASTA NUM. 151 NI 146 NF 167 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3585	11.3	48	1.00	1.44	455.5	2395.5	

ASTA NUM. 152 NI 76 NF 78 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-8490	11.3	31	1.00	1.31	987.9	2395.5	

ASTA NUM. 153 NI 166 NF 146 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2692	11.3	39	1.00	1.36	323.6	2395.5	

ASTA NUM. 154 NI 36 NF 38 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6503	11.3	31	1.00	1.31	756.7	2395.5	

ASTA NUM. 155 NI 5 NF 3 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-1475	11.3	31	1.00	1.31	171.6	2395.5	

ASTA NUM. 156 NI 356 NF 358 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2457	11.3	31	1.00	1.31	286.0	2395.5	

ASTA NUM. 157 NI 325 NF 323 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-1258	11.3	31	1.00	1.31	146.3	2395.5	

ASTA NUM. 158 NI 145 NF 166 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3811	11.3	48	1.00	1.44	484.3	2395.5	

ASTA NUM. 159 NI 285 NF 283 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2819	11.3	31	1.00	1.31	328.0	2395.5	

ASTA NUM. 160 NI 245 NF 243 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-8481	11.3	31	1.00	1.31	986.9	2395.5	

ASTA NUM. 161 NI 205 NF 203 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6517	11.3	31	1.00	1.31	758.4	2395.5	

ASTA NUM. 162 NI 185 NF 183 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-1543	11.3	31	1.00	1.31	179.6	2395.5	

ASTA NUM. 163 NI 536 NF 538 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1342	11.3	31	1.00	1.31	156.2	2395.5	

ASTA NUM. 164 NI 516 NF 518 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4931	11.3	--	--	--	436.4	2395.5	

ASTA NUM. 165 NI 476 NF 478 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	5701	11.3	--	--	--	504.5	2395.5	

ASTA NUM. 166 NI 436 NF 870 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2976	11.3	31	1.00	1.31	346.3	2395.5	

ASTA NUM. 167 NI 716 NF 718 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	1594	11.3	--	--	--	141.1	2395.5	

ASTA NUM. 168 NI 685 NF 683 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4905	11.3	--	--	--	434.1	2395.5	

ASTA NUM. 169 NI 645 NF 643 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	5650	11.3	--	--	--	500.0	2395.5	

ASTA NUM. 170 NI 605 NF 869 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3091	11.3	31	1.00	1.31	359.7	2395.5	

ASTA NUM. 171 NI 601 NF 620 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-8547	11.3	31	1.00	1.31	994.5	2395.5	

ASTA NUM. 172 NI 641 NF 660 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4840	11.3	31	1.00	1.31	563.2	2395.5	

ASTA NUM. 173 NI 681 NF 700 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2802	11.3	31	1.00	1.31	326.0	2395.5	

ASTA NUM. 174 NI 620 NF 611 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5679	11.3	31	1.00	1.31	660.9	2395.5	

ASTA NUM. 175 NI 660 NF 651 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2394	11.3	31	1.00	1.31	278.6	2395.5	

ASTA NUM. 176 NI 700 NF 691 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	3392	11.3	--	--	--	300.2	2395.5	

ASTA NUM. 177 NI 611 NF 618 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-6013	11.3	31	1.00	1.31	699.8	2395.5	

ASTA NUM. 178 NI 651 NF 658 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3008	11.3	31	1.00	1.31	350.1	2395.5	

ASTA NUM. 179 NI 691 NF 698 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2299	11.3	31	1.00	1.31	267.5	2395.5	

ASTA NUM. 180 NI 618 NF 609 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4974	11.3	31	1.00	1.31	578.8	2395.5	

ASTA NUM. 181 NI 658 NF 649 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2142	11.3	31	1.00	1.31	249.3	2395.5	

ASTA NUM. 182 NI 698 NF 689 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	2921	11.3	--	--	--	258.5	2395.5	

ASTA NUM. 183 NI 609 NF 616 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-6027	11.3	31	1.00	1.31	701.3	2395.5	

ASTA NUM. 184 NI 649 NF 656 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2884	11.3	31	1.00	1.31	335.6	2395.5	

ASTA NUM. 185 NI 689 NF 696 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2342	11.3	31	1.00	1.31	272.5	2395.5	

ASTA NUM. 186 NI 616 NF 607 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4722	11.3	31	1.00	1.31	549.5	2395.5	

ASTA NUM. 187 NI 656 NF 647 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	2737	11.3	--	--	--	242.2	2395.5	

ASTA NUM. 188 NI 696 NF 687 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	2655	11.3	--	--	--	234.9	2395.5	

ASTA NUM. 189 NI 607 NF 614 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5529	11.3	31	1.00	1.31	643.4	2395.5	

ASTA NUM. 190 NI 647 NF 654 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2670	11.3	31	1.00	1.31	310.7	2395.5	

ASTA NUM. 191 NI 687 NF 694 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2461	11.3	31	1.00	1.31	286.4	2395.5	

ASTA NUM. 192 NI 714 NF 707 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1146	11.3	31	1.00	1.31	133.4	2395.5	

ASTA NUM. 193 NI 705 NF 714 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1693	11.3	31	1.00	1.31	197.0	2395.5	

ASTA NUM. 194 NI 712 NF 705 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-784	11.3	31	1.00	1.31	91.3	2395.5	

ASTA NUM. 195 NI 703 NF 712 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1941	11.3	31	1.00	1.31	225.8	2395.5	

ASTA NUM. 196 NI 710 NF 703 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-782	11.3	31	1.00	1.31	91.0	2395.5	

ASTA NUM. 197 NI 701 NF 710 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2347	11.3	31	1.00	1.31	273.1	2395.5	

ASTA NUM. 198 NI 720 NF 701 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	1961	11.3	--	--	--	173.5	2395.5	

ASTA NUM. 199 NI 434 NF 427 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5508	11.3	31	1.00	1.31	640.9	2395.5	

ASTA NUM. 200 NI 474 NF 467 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2707	11.3	31	1.00	1.31	315.0	2395.5	

ASTA NUM. 201 NI 514 NF 507 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2438	11.3	31	1.00	1.31	283.7	2395.5	

ASTA NUM. 202 NI 534 NF 527 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1198	11.3	31	1.00	1.31	139.4	2395.5	

ASTA NUM. 203 NI 425 NF 434 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4647	11.3	31	1.00	1.31	540.8	2395.5	

ASTA NUM. 204 NI 465 NF 474 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	2768	11.3	--	--	--	245.0	2395.5	

ASTA NUM. 205 NI 505 NF 514 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	2686	11.3	--	--	--	237.7	2395.5	

ASTA NUM. 206 NI 525 NF 534 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1752	11.3	31	1.00	1.31	203.9	2395.5	

ASTA NUM. 207 NI 432 NF 425 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-6035	11.3	31	1.00	1.31	702.3	2395.5	

ASTA NUM. 208 NI 472 NF 465 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2892	11.3	31	1.00	1.31	336.5	2395.5	

ASTA NUM. 209 NI 512 NF 505 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2375	11.3	31	1.00	1.31	276.4	2395.5	

ASTA NUM. 210 NI 532 NF 525 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-824	11.3	31	1.00	1.31	95.9	2395.5	

ASTA NUM. 211 NI 423 NF 432 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5008	11.3	31	1.00	1.31	582.8	2395.5	

ASTA NUM. 212 NI 463 NF 472 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	2832	11.3	--	--	--	250.6	2395.5	

ASTA NUM. 213 NI 503 NF 512 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	2950	11.3	--	--	--	261.0	2395.5	

ASTA NUM. 214 NI 523 NF 532 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2019	11.3	31	1.00	1.31	235.0	2395.5	

ASTA NUM. 215 NI 430 NF 423 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5763	11.3	31	1.00	1.31	670.6	2395.5	

ASTA NUM. 216 NI 470 NF 463 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2987	11.3	31	1.00	1.31	347.6	2395.5	

ASTA NUM. 217 NI 510 NF 503 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2336	11.3	31	1.00	1.31	271.8	2395.5	

ASTA NUM. 218 NI 530 NF 523 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-756	11.3	31	1.00	1.31	88.0	2395.5	

ASTA NUM. 219 NI 421 NF 430 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5486	11.3	31	1.00	1.31	638.3	2395.5	

ASTA NUM. 220 NI 461 NF 470 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2651	11.3	31	1.00	1.31	308.5	2395.5	

ASTA NUM. 221 NI 501 NF 510 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	3426	11.3	--	--	--	303.1	2395.5	

ASTA NUM. 222 NI 521 NF 530 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2433	11.3	31	1.00	1.31	283.2	2395.5	

ASTA NUM. 223 NI 440 NF 421 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-8749	11.3	31	1.00	1.31	1018.1	2395.5	

ASTA NUM. 224 NI 480 NF 461 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4874	11.3	31	1.00	1.31	567.2	2395.5	

ASTA NUM. 225 NI 520 NF 501 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-2788	11.3	31	1.00	1.31	324.4	2395.5	

ASTA NUM. 226 NI 540 NF 521 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	1928	11.3	--	--	--	170.6	2395.5	

ASTA NUM. 227 NI 181 NF 200 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	3609	11.3	--	--	--	319.4	2395.5	

ASTA NUM. 228 NI 201 NF 220 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	7968	11.3	--	--	--	705.1	2395.5	

ASTA NUM. 229 NI 241 NF 260 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	10320	11.3	--	--	--	913.3	2395.5	

ASTA NUM. 230 NI 281 NF 300 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-7306	11.3	31	1.00	1.31	850.2	2395.5	

ASTA NUM. 231 NI 165 NF 145 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2827	11.3	39	1.00	1.36	339.9	2395.5	

ASTA NUM. 232 NI 321 NF 340 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-8129	11.3	31	1.00	1.31	945.9	2395.5	

ASTA NUM. 233 NI 200 NF 191 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2839	11.3	31	1.00	1.31	330.4	2395.5	

ASTA NUM. 234 NI 220 NF 211 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6229	11.3	31	1.00	1.31	724.8	2395.5	

ASTA NUM. 235 NI 260 NF 251 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-8392	11.3	31	1.00	1.31	976.5	2395.5	

ASTA NUM. 236 NI 300 NF 291 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5412	11.3	31	1.00	1.31	629.8	2395.5	

ASTA NUM. 237 NI 144 NF 165 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4013	11.3	48	1.00	1.44	509.9	2395.5	

ASTA NUM. 238 NI 340 NF 331 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5138	11.3	31	1.00	1.31	597.8	2395.5	

ASTA NUM. 239 NI 191 NF 198 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1354	11.3	31	1.00	1.31	157.6	2395.5	

ASTA NUM. 240 NI 211 NF 218 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4716	11.3	--	--	--	417.3	2395.5	

ASTA NUM. 241 NI 251 NF 258 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	5874	11.3	--	--	--	519.8	2395.5	

ASTA NUM. 242 NI 291 NF 298 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4659	11.3	31	1.00	1.31	542.2	2395.5	

ASTA NUM. 243 NI 164 NF 144 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2926	11.3	39	1.00	1.36	351.7	2395.5	

ASTA NUM. 244 NI 331 NF 338 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4527	11.3	31	1.00	1.31	526.8	2395.5	

ASTA NUM. 245 NI 198 NF 189 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-1627	11.3	31	1.00	1.31	189.3	2395.5	

ASTA NUM. 246 NI 218 NF 209 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-4785	11.3	31	1.00	1.31	556.8	2395.5	

ASTA NUM. 247 NI 258 NF 249 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6337	11.3	31	1.00	1.31	737.4	2395.5	

ASTA NUM. 248 NI 298 NF 289 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4625	11.3	31	1.00	1.31	538.2	2395.5	

ASTA NUM. 249 NI 143 NF 164 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4043	11.3	48	1.00	1.44	513.7	2395.5	

ASTA NUM. 250 NI 338 NF 329 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4479	11.3	31	1.00	1.31	521.2	2395.5	

ASTA NUM. 251 NI 189 NF 196 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1171	11.3	31	1.00	1.31	136.3	2395.5	

ASTA NUM. 252 NI 209 NF 216 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	3434	11.3	--	--	--	303.9	2395.5	

ASTA NUM. 253 NI 249 NF 256 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4206	11.3	--	--	--	372.2	2395.5	

ASTA NUM. 254 NI 289 NF 296 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4450	11.3	31	1.00	1.31	517.8	2395.5	

ASTA NUM. 255 NI 163 NF 143 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2971	11.3	39	1.00	1.36	357.1	2395.5	

ASTA NUM. 256 NI 329 NF 336 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4297	11.3	31	1.00	1.31	500.0	2395.5	

ASTA NUM. 257 NI 196 NF 187 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-713	11.3	31	1.00	1.31	82.9	2395.5	

ASTA NUM. 258 NI 216 NF 207 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3670	11.3	31	1.00	1.31	427.1	2395.5	

ASTA NUM. 259 NI 256 NF 247 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-4641	11.3	31	1.00	1.31	540.1	2395.5	

ASTA NUM. 260 NI 296 NF 287 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4525	11.3	31	1.00	1.31	526.6	2395.5	

ASTA NUM. 261 NI 142 NF 163 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4152	11.3	48	1.00	1.44	527.6	2395.5	

ASTA NUM. 262 NI 336 NF 327 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4234	11.3	31	1.00	1.31	492.6	2395.5	

ASTA NUM. 263 NI 187 NF 194 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1073	11.3	31	1.00	1.31	124.8	2395.5	

ASTA NUM. 264 NI 207 NF 214 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	2073	11.3	--	--	--	183.5	2395.5	

ASTA NUM. 265 NI 247 NF 254 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	2665	11.3	--	--	--	235.9	2395.5	

ASTA NUM. 266 NI 287 NF 294 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3942	11.3	31	1.00	1.31	458.7	2395.5	

ASTA NUM. 267 NI 162 NF 142 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3018	11.3	39	1.00	1.36	362.8	2395.5	

ASTA NUM. 268 NI 327 NF 334 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3920	11.3	31	1.00	1.31	456.1	2395.5	

ASTA NUM. 269 NI 354 NF 347 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4636	11.3	31	1.00	1.31	539.5	2395.5	

ASTA NUM. 270 NI 345 NF 354 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4966	11.3	31	1.00	1.31	577.9	2395.5	

ASTA NUM. 271 NI 352 NF 345 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4828	11.3	31	1.00	1.31	561.8	2395.5	

ASTA NUM. 272 NI 343 NF 352 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5026	11.3	31	1.00	1.31	584.9	2395.5	

ASTA NUM. 273 NI 350 NF 343 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5047	11.3	31	1.00	1.31	587.3	2395.5	

ASTA NUM. 274 NI 341 NF 350 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5587	11.3	31	1.00	1.31	650.1	2395.5	

ASTA NUM. 275 NI 360 NF 341 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-9051	11.3	31	1.00	1.31	1053.2	2395.5	

ASTA NUM. 276 NI 1 NF 20 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	3704	11.3	--	--	--	327.8	2395.5	

ASTA NUM. 277 NI 20 NF 11 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-2825	11.3	31	1.00	1.31	328.7	2395.5	

ASTA NUM. 278 NI 11 NF 18 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1466	11.3	31	1.00	1.31	170.6	2395.5	

ASTA NUM. 279 NI 18 NF 9 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-1639	11.3	31	1.00	1.31	190.7	2395.5	

ASTA NUM. 280 NI 9 NF 16 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1280	11.3	31	1.00	1.31	148.9	2395.5	

ASTA NUM. 281 NI 16 NF 7 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-810	11.3	31	1.00	1.31	94.3	2395.5	

ASTA NUM. 282 NI 7 NF 14 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1161	11.3	31	1.00	1.31	135.1	2395.5	

ASTA NUM. 283 NI 34 NF 27 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	1984	11.3	--	--	--	175.6	2395.5	

ASTA NUM. 284 NI 141 NF 162 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4032	11.3	48	1.00	1.44	512.3	2395.5	

ASTA NUM. 285 NI 74 NF 67 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	2745	11.3	--	--	--	242.9	2395.5	

ASTA NUM. 286 NI 161 NF 141 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2983	11.3	39	1.00	1.36	358.6	2395.5	

ASTA NUM. 287 NI 114 NF 107 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3762	11.3	31	1.00	1.31	437.8	2395.5	

ASTA NUM. 288 NI 159 NF 161 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4352	11.3	48	1.00	1.44	553.0	2395.5	

ASTA NUM. 289 NI 154 NF 147 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-3698	11.3	31	1.00	1.31	430.4	2395.5	

ASTA NUM. 290 NI 174 NF 167 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4882	11.3	31	1.00	1.31	568.1	2395.5	

ASTA NUM. 291 NI 25 NF 34 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-3590	11.3	31	1.00	1.31	417.8	2395.5	

ASTA NUM. 292 NI 65 NF 74 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-4655	11.3	31	1.00	1.31	541.7	2395.5	

ASTA NUM. 293 NI 105 NF 114 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4470	11.3	31	1.00	1.31	520.1	2395.5	

ASTA NUM. 294 NI 145 NF 154 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4075	11.3	31	1.00	1.31	474.2	2395.5	

ASTA NUM. 295 NI 165 NF 174 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5137	11.3	31	1.00	1.31	597.7	2395.5	

ASTA NUM. 296 NI 32 NF 25 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	3321	11.3	--	--	--	293.9	2395.5	

ASTA NUM. 297 NI 72 NF 65 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4197	11.3	--	--	--	371.4	2395.5	

ASTA NUM. 298 NI 112 NF 105 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4250	11.3	31	1.00	1.31	494.6	2395.5	

ASTA NUM. 299 NI 152 NF 145 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4029	11.3	31	1.00	1.31	468.8	2395.5	

ASTA NUM. 300 NI 172 NF 165 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5147	11.3	31	1.00	1.31	598.9	2395.5	

ASTA NUM. 301 NI 23 NF 32 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-4739	11.3	31	1.00	1.31	551.5	2395.5	

ASTA NUM. 302 NI 63 NF 72 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6348	11.3	31	1.00	1.31	738.7	2395.5	

ASTA NUM. 303 NI 103 NF 112 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4588	11.3	31	1.00	1.31	533.9	2395.5	

ASTA NUM. 304 NI 143 NF 152 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4375	11.3	31	1.00	1.31	509.1	2395.5	

ASTA NUM. 305 NI 163 NF 172 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5139	11.3	31	1.00	1.31	598.0	2395.5	

ASTA NUM. 306 NI 30 NF 23 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	4585	11.3	--	--	--	405.8	2395.5	

ASTA NUM. 307 NI 70 NF 63 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	5865	11.3	--	--	--	519.0	2395.5	

ASTA NUM. 308 NI 110 NF 103 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4447	11.3	31	1.00	1.31	517.5	2395.5	

ASTA NUM. 309 NI 150 NF 143 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-4215	11.3	31	1.00	1.31	490.4	2395.5	

ASTA NUM. 310 NI 170 NF 163 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5412	11.3	31	1.00	1.31	629.8	2395.5	

ASTA NUM. 311 NI 21 NF 30 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-6216	11.3	31	1.00	1.31	723.3	2395.5	

ASTA NUM. 312 NI 61 NF 70 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-8409	11.3	31	1.00	1.31	978.5	2395.5	

ASTA NUM. 313 NI 101 NF 110 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-5416	11.3	31	1.00	1.31	630.2	2395.5	

ASTA NUM. 314 NI 141 NF 150 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5109	11.3	31	1.00	1.31	594.6	2395.5	

ASTA NUM. 315 NI 161 NF 170 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-5627	11.3	31	1.00	1.31	654.8	2395.5	

ASTA NUM. 316 NI 40 NF 21 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	7864	11.3	--	--	--	695.9	2395.5	

ASTA NUM. 317 NI 80 NF 61 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	10330	11.3	--	--	--	914.2	2395.5	

ASTA NUM. 318 NI 120 NF 101 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-7100	11.3	31	1.00	1.31	826.2	2395.5	

ASTA NUM. 319 NI 160 NF 141 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-7863	11.3	31	1.00	1.31	915.0	2395.5	

ASTA NUM. 320 NI 180 NF 161 Lungh. 121.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-9381	11.3	31	1.00	1.31	1091.7	2395.5	

ASTA NUM. 321 NI 68 NF 108 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-402	11.3	77	1.00	1.78	63.4	2395.5	

ASTA NUM. 322 NI 68 NF 118 Lungh. 319.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2710	11.3	82	1.00	1.86	446.2	2395.5	

ASTA NUM. 323 NI 79 NF 102 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4436	11.3	95	1.00	2.11	829.3	2395.5	

ASTA NUM. 324 NI 102 NF 64 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4371	11.3	95	1.00	2.11	817.1	2395.5	

ASTA NUM. 325 NI 104 NF 66 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-4205	11.3	95	1.00	2.11	786.2	2395.5	

ASTA NUM. 326 NI 106 NF 66 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3290	11.3	77	1.00	1.78	518.9	2395.5	

ASTA NUM. 327 NI 68 NF 106 Lungh. 372.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3950	11.3	95	1.00	2.11	738.4	2395.5	

ASTA NUM. 328 NI 62 NF 102 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-39	11.3	77	1.00	1.78	6.2	2395.5	

ASTA NUM. 329 NI 64 NF 104 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3386	11.3	77	1.00	1.78	534.0	2395.5	

ASTA NUM. 330 NI 14 NF 28 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2571	11.3	48	1.00	1.44	326.7	2395.5	

ASTA NUM. 331 NI 28 NF 13 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-300	11.3	39	1.00	1.36	36.1	2395.5	

ASTA NUM. 332 NI 28 NF 3 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-1708	11.3	48	1.00	1.44	217.0	2395.5	

ASTA NUM. 333 NI 38 NF 3 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-992	11.3	39	1.00	1.36	119.3	2395.5	

ASTA NUM. 334 NI 39 NF 20 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3311	11.3	48	1.00	1.44	420.6	2395.5	

ASTA NUM. 335 NI 20 NF 22 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3487	11.3	48	1.00	1.44	443.1	2395.5	

ASTA NUM. 336 NI 22 NF 18 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3206	11.3	48	1.00	1.44	407.4	2395.5	

ASTA NUM. 337 NI 18 NF 24 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3439	11.3	48	1.00	1.44	437.0	2395.5	

ASTA NUM. 338 NI 24 NF 16 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3145	11.3	48	1.00	1.44	399.6	2395.5	

ASTA NUM. 339 NI 16 NF 26 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3272	11.3	48	1.00	1.44	415.8	2395.5	

ASTA NUM. 340 NI 26 NF 14 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2924	11.3	48	1.00	1.44	371.5	2395.5	

ASTA NUM. 341 NI 21 NF 20 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	130	11.3	--	--	--	11.5	2395.5	

ASTA NUM. 342 NI 22 NF 19 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	108	11.3	--	--	--	9.6	2395.5	

ASTA NUM. 343 NI 23 NF 18 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	68	11.3	--	--	--	6.0	2395.5	

ASTA NUM. 344 NI 24 NF 17 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-28	11.3	39	1.00	1.36	3.4	2395.5	

ASTA NUM. 345 NI 25 NF 16 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-62	11.3	39	1.00	1.36	7.5	2395.5	

ASTA NUM. 346 NI 26 NF 15 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-49	11.3	39	1.00	1.36	5.9	2395.5	

ASTA NUM. 347 NI 27 NF 14 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	-189	11.3	39	1.00	1.36	22.7	2395.5	

ASTA NUM. 348 NI 645 NF 605 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-463	11.3	77	1.00	1.78	73.0	2395.5	

ASTA NUM. 349 NI 644 NF 604 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1J	5344	11.3	--	--	--	472.9	2395.5	

ASTA NUM. 350 NI 323 NF 358 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1B	972	11.3	--	--	--	86.0	2395.5	

ASTA NUM. 351 NI 348 NF 323 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2935	11.3	48	1.00	1.44	372.9	2395.5	

ASTA NUM. 352 NI 333 NF 348 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2195	11.3	39	1.00	1.36	263.9	2395.5	

ASTA NUM. 353 NI 347 NF 333 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2257	11.3	48	1.00	1.44	286.8	2395.5	

ASTA NUM. 354 NI 334 NF 347 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2356	11.3	39	1.00	1.36	283.3	2395.5	

ASTA NUM. 355 NI 346 NF 334 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2917	11.3	48	1.00	1.44	370.7	2395.5	

ASTA NUM. 356 NI 335 NF 346 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2707	11.3	39	1.00	1.36	325.5	2395.5	

ASTA NUM. 357 NI 345 NF 335 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3124	11.3	48	1.00	1.44	396.9	2395.5	

ASTA NUM. 358 NI 336 NF 345 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2854	11.3	39	1.00	1.36	343.0	2395.5	

ASTA NUM. 359 NI 344 NF 336 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3263	11.3	48	1.00	1.44	414.6	2395.5	

ASTA NUM. 360 NI 337 NF 344 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2945	11.3	39	1.00	1.36	354.0	2395.5	

ASTA NUM. 361 NI 343 NF 337 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3360	11.3	48	1.00	1.44	427.0	2395.5	

ASTA NUM. 362 NI 338 NF 343 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2989	11.3	39	1.00	1.36	359.3	2395.5	

ASTA NUM. 363 NI 342 NF 338 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3395	11.3	48	1.00	1.44	431.3	2395.5	

ASTA NUM. 364 NI 339 NF 342 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3041	11.3	39	1.00	1.36	365.6	2395.5	

ASTA NUM. 365 NI 341 NF 339 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3371	11.3	48	1.00	1.44	428.4	2395.5	

ASTA NUM. 366 NI 340 NF 341 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2997	11.3	39	1.00	1.36	360.3	2395.5	

ASTA NUM. 367 NI 359 NF 340 Lungh. 186.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3568	11.3	48	1.00	1.44	453.3	2395.5	

ASTA NUM. 368 NI 38 NF 78 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-855	11.3	77	1.00	1.78	134.8	2395.5	

ASTA NUM. 369 NI 118 NF 158 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2991	11.3	77	1.00	1.78	471.7	2395.5	

ASTA NUM. 370 NI 78 NF 118 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-919	11.3	77	1.00	1.78	145.0	2395.5	

ASTA NUM. 371 NI 323 NF 283 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-3059	11.3	77	1.00	1.78	482.4	2395.5	

ASTA NUM. 372 NI 243 NF 203 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-736	11.3	77	1.00	1.78	116.0	2395.5	

ASTA NUM. 373 NI 184 NF 551 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-513	11.3	77	1.00	1.78	80.9	2395.5	

ASTA NUM. 374 NI 547 NF 545 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	364	11.3	--	--	--	32.2	2395.5	

ASTA NUM. 375 NI 541 NF 538 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-766	11.3	77	1.00	1.78	120.8	2395.5	

ASTA NUM. 376 NI 718 NF 556 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-700	11.3	77	1.00	1.78	110.3	2395.5	

ASTA NUM. 377 NI 558 NF 559 Lungh. 150.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
2	314	11.3	--	--	--	27.7	2395.5	

ASTA NUM. 378 NI 561 NF 4 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1I	-495	11.3	77	1.00	1.78	78.0	2395.5	

ASTA NUM. 379 NI 684 NF 644 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2713	11.3	77	1.00	1.78	427.9	2395.5	

ASTA NUM. 380 NI 477 NF 517 Lungh. 300.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

N.comb.	N (kg)	Sez.utile (cmq)	Snellezza	Q	OMEGA	Sf (kg/cmq)	Tens.max (kg/cmq)	Note
1A	-2811	11.3	77	1.00	1.78	443.3	2395.5	

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **2** Descrizione: **Travi principali copertura fisse**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 722 NF 807 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-890	-141	911	0	459	354	12.2	413.5	31.6	0.0	425.7	1	
1B	0	-890	354	911	0	459	-244	12.2	401.3	31.6	0.0	413.5	1	
1C	0	-890	-141	-679	0	-343	354	12.2	318.7	23.6	0.0	331.0	1	
1D	0	-890	354	-679	0	-343	-244	12.2	306.5	23.6	0.0	318.8	1	
1E	0	1534	-141	911	0	459	354	21.1	413.5	31.6	0.0	434.6	1	
1F	0	1534	354	911	0	459	-244	21.1	401.3	31.6	0.0	422.4	1	
1G	0	1534	-141	-679	0	-343	354	21.1	318.7	23.6	0.0	339.8	1	
1H	0	1534	354	-679	0	-343	-244	21.1	306.5	23.6	0.0	327.6	1	
1I	0	-1305	-272	1454	0	911	516	18.0	799.7	50.5	0.0	817.7	1	
1J	0	-1305	486	1454	0	911	-406	18.0	787.5	50.5	0.0	805.5	1	
1K	0	-1305	-272	-1222	0	-795	516	18.0	705.0	42.4	0.0	722.9	1	
1L	0	-1305	486	-1222	0	-795	-406	18.0	692.8	42.4	0.0	710.7	1	
1M	0	1950	-272	1454	0	911	516	26.8	799.7	50.5	0.0	826.5	1	
1N	0	1950	486	1454	0	911	-406	26.8	787.5	50.5	0.0	814.3	1	
1O	0	1950	-272	-1222	0	-795	516	26.8	705.0	42.4	0.0	731.8	1	
1P	0	1950	486	-1222	0	-795	-406	26.8	692.8	42.4	0.0	719.6	1	
2	0	2624	720	948	0	533	3	36.1	434.9	32.9	0.0	471.0	1	
7	0	2374	573	892	0	512	21	32.7	419.2	31.0	0.0	451.8	1	
8	0	1966	588	676	0	375	-31	27.0	308.9	23.5	0.0	336.0	1	
1A	13	-890	-148	911	0	348	336	12.2	320.4	31.6	0.0	332.6	1	
1B	13	-890	347	911	0	348	-200	12.2	305.4	31.6	0.0	317.6	1	
1C	13	-890	-148	-679	0	-260	336	12.2	249.3	23.6	0.0	261.5	1	
1D	13	-890	347	-679	0	-260	-200	12.2	234.2	23.6	0.0	246.5	1	
1E	13	1535	-148	911	0	348	336	21.1	320.4	31.6	0.0	341.5	1	
1F	13	1535	347	911	0	348	-200	21.1	305.4	31.6	0.0	326.5	1	
1G	13	1535	-148	-679	0	-260	336	21.1	249.3	23.6	0.0	270.4	1	
1H	13	1535	347	-679	0	-260	-200	21.1	234.2	23.6	0.0	255.3	1	
1I	13	-1305	-279	1454	0	731	482	18.0	648.7	50.5	0.0	666.6	1	
1J	13	-1305	478	1454	0	731	-346	18.0	633.6	50.5	0.0	651.6	1	
1K	13	-1305	-279	-1222	0	-643	482	18.0	577.5	42.4	0.0	595.5	1	
1L	13	-1305	478	-1222	0	-643	-346	18.0	562.5	42.4	0.0	580.5	1	
1M	13	1950	-279	1454	0	731	482	26.8	648.7	50.5	0.0	675.5	1	
1N	13	1950	478	1454	0	731	-346	26.8	633.6	50.5	0.0	660.4	1	
1O	13	1950	-279	-1222	0	-643	482	26.8	577.5	42.4	0.0	604.4	1	
1P	13	1950	478	-1222	0	-643	-346	26.8	562.5	42.4	0.0	589.3	1	
2	13	2624	710	948	0	415	93	36.1	348.2	32.9	0.0	384.3	1	
7	13	2374	564	892	0	400	92	32.7	336.2	31.0	0.0	368.8	1	
8	13	1966	579	676	0	290	42	27.0	241.3	23.5	0.0	268.3	1	
1A	25	-890	-155	911	0	236	317	12.2	227.2	31.6	0.0	239.5	1	
1B	25	-890	340	911	0	236	-157	12.2	209.5	31.6	0.0	221.8	1	
1C	25	-890	-155	-679	0	-177	317	12.2	179.7	23.6	0.0	192.0	1	
1D	25	-890	340	-679	0	-177	-157	12.2	162.0	23.6	0.0	174.3	1	
1E	25	1535	-155	911	0	236	317	21.1	227.2	31.6	0.0	248.4	1	
1F	25	1535	340	911	0	236	-157	21.1	209.5	31.6	0.0	230.7	1	
1G	25	1535	-155	-679	0	-177	317	21.1	179.7	23.6	0.0	200.8	1	
1H	25	1535	340	-679	0	-177	-157	21.1	162.0	23.6	0.0	183.1	1	
1I	25	-1305	-286	1454	0	550	447	18.0	497.5	50.5	0.0	515.5	1	
1J	25	-1305	471	1454	0	550	-287	18.0	479.8	50.5	0.0	497.8	1	
1K	25	-1305	-286	-1222	0	-492	447	18.0	450.0	42.4	0.0	468.0	1	
1L	25	-1305	471	-1222	0	-492	-287	18.0	432.3	42.4	0.0	450.3	1	
1M	25	1950	-286	1454	0	550	447	26.8	497.5	50.5	0.0	524.4	1	
1N	25	1950	471	1454	0	550	-287	26.8	479.8	50.5	0.0	506.7	1	
1O	25	1950	-286	-1222	0	-492	447	26.8	450.0	42.4	0.0	476.8	1	
1P	25	1950	471	-1222	0	-492	-287	26.8	432.3	42.4	0.0	459.1	1	
2	25	2625	701	948	0	296	181	36.1	261.4	32.9	0.0	297.5	1	
7	25	2374	554	892	0	288	162	32.7	253.0	31.0	0.0	285.7	1	
8	25	1967	570	676	0	206	114	27.1	180.3	23.5	0.0	207.4	1	

ASTA NUM. 2 NI 734 NF 747 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-917	-413	17	0	55	28	12.6	48.1	15.4	0.0	60.7	1
1B	0	-917	390	17	0	55	-52	12.6	50.8	14.6	0.0	63.4	1
1C	0	-917	-413	-17	0	-52	28	12.6	45.6	15.4	0.0	58.2	1
1D	0	-917	390	-17	0	-52	-52	12.6	48.3	14.6	0.0	60.9	1
1E	0	1407	-413	17	0	55	28	19.3	48.1	15.4	0.0	67.4	1
1F	0	1407	390	17	0	55	-52	19.3	50.8	14.6	0.0	70.2	1
1G	0	1407	-413	-17	0	-52	28	19.3	45.6	15.4	0.0	64.9	1
1H	0	1407	390	-17	0	-52	-52	19.3	48.3	14.6	0.0	67.6	1
1I	0	-263	-815	14	0	19	18	3.6	17.6	30.5	0.0	53.0	4
1J	0	-263	792	14	0	19	-42	3.6	20.3	29.6	0.0	51.5	4
1K	0	-263	-815	-14	0	-16	18	3.6	15.0	30.5	0.0	53.0	4
1L	0	-263	792	-14	0	-16	-42	3.6	17.8	29.6	0.0	51.5	4
1M	0	753	-815	14	0	19	18	10.4	17.6	30.5	0.0	53.9	4
1N	0	753	792	14	0	19	-42	10.4	20.3	29.6	0.0	52.5	4
1O	0	753	-815	-14	0	-16	18	10.4	15.0	30.5	0.0	53.9	4
1P	0	753	792	-14	0	-16	-42	10.4	17.8	29.6	0.0	52.4	4
2	0	1028	817	3	0	6	-78	14.1	13.1	30.6	0.0	54.9	4
7	0	858	698	3	0	4	-61	11.8	10.2	26.1	0.0	46.8	4
8	0	803	691	2	0	4	-63	11.0	10.6	25.9	0.0	46.2	4
1A	38	-917	-434	17	0	51	-134	12.6	56.6	16.2	0.0	69.2	1
1B	38	-917	368	17	0	51	93	12.6	52.0	13.8	0.0	64.6	1
1C	38	-917	-434	-17	0	-48	-134	12.6	54.1	16.2	0.0	66.7	1
1D	38	-917	368	-17	0	-48	93	12.6	49.5	13.8	0.0	62.1	1
1E	38	1406	-434	17	0	51	-134	19.3	56.6	16.2	0.0	75.9	1
1F	38	1406	368	17	0	51	93	19.3	52.0	13.8	0.0	71.4	1
1G	38	1406	-434	-17	0	-48	-134	19.3	54.1	16.2	0.0	73.4	1
1H	38	1406	368	-17	0	-48	93	19.3	49.5	13.8	0.0	68.8	1
1I	38	-264	-836	14	0	21	-293	3.6	49.5	31.3	0.0	54.4	4
1J	38	-264	770	14	0	21	252	3.6	44.9	28.8	0.0	50.1	4
1K	38	-264	-836	-14	0	-18	-293	3.6	46.9	31.3	0.0	54.3	4
1L	38	-264	770	-14	0	-18	252	3.6	42.4	28.8	0.0	50.1	4
1M	38	753	-836	14	0	21	-293	10.4	49.5	31.3	0.0	59.8	1
1N	38	753	770	14	0	21	252	10.4	44.9	28.8	0.0	55.3	1
1O	38	753	-836	-14	0	-18	-293	10.4	46.9	31.3	0.0	58.6	3
1P	38	753	770	-14	0	-18	252	10.4	42.4	28.8	0.0	53.3	3
2	38	1028	789	3	0	4	223	14.1	28.2	29.5	0.0	54.2	3
7	38	857	670	3	0	3	196	11.8	24.0	25.1	0.0	46.3	3
8	38	802	664	2	0	4	191	11.0	24.2	24.8	0.0	45.3	3
1A	75	-918	-456	17	0	47	-305	12.6	72.2	17.0	0.0	84.8	1
1B	75	-918	347	17	0	47	231	12.6	64.0	13.0	0.0	76.6	1
1C	75	-918	-456	-17	0	-44	-305	12.6	69.6	17.0	0.0	82.2	1
1D	75	-918	347	-17	0	-44	231	12.6	61.4	13.0	0.0	74.0	1
1E	75	1406	-456	17	0	47	-305	19.3	72.2	17.0	0.0	91.5	1
1F	75	1406	347	17	0	47	231	19.3	64.0	13.0	0.0	83.3	1
1G	75	1406	-456	-17	0	-44	-305	19.3	69.6	17.0	0.0	88.9	1
1H	75	1406	347	-17	0	-44	231	19.3	61.4	13.0	0.0	80.7	1
1I	75	-264	-858	14	0	23	-612	3.6	86.2	32.1	0.0	89.9	1
1J	75	-264	749	14	0	23	538	3.6	78.0	28.0	0.0	81.7	1
1K	75	-264	-858	-14	0	-20	-612	3.6	83.7	32.1	0.0	87.3	1
1L	75	-264	749	-14	0	-20	538	3.6	75.5	28.0	0.0	79.1	1
1M	75	752	-858	14	0	23	-612	10.3	86.2	32.1	0.0	96.6	1
1N	75	752	749	14	0	23	538	10.3	78.0	28.0	0.0	88.4	1
1O	75	752	-858	-14	0	-20	-612	10.3	83.7	32.1	0.0	94.0	1
1P	75	752	749	-14	0	-20	538	10.3	75.5	28.0	0.0	85.8	1
2	75	1027	762	3	0	3	514	14.1	59.4	28.5	0.0	77.1	3
7	75	856	642	3	0	2	442	11.8	50.2	24.0	0.0	65.6	3
8	75	802	636	2	0	3	435	11.0	50.5	23.8	0.0	64.3	3

ASTA NUM. 3 NI 721 NF 799 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2941	906	1434	0	295	-1204	40.4	373.7	49.8	0.0	414.1	1	
1B	0	-2941	1226	1434	0	295	-2346	40.4	499.9	49.8	0.0	540.4	1	
1C	0	-2941	906	-1012	0	-167	-1204	40.4	269.4	35.2	0.0	309.9	1	
1D	0	-2941	1226	-1012	0	-167	-2346	40.4	395.6	45.9	0.0	436.1	1	
1E	0	1626	906	1434	0	295	-1204	22.4	373.7	49.8	0.0	396.0	1	
1F	0	1626	1226	1434	0	295	-2346	22.4	499.9	49.8	0.0	522.3	1	
1G	0	1626	906	-1012	0	-167	-1204	22.4	269.4	35.2	0.0	291.8	1	
1H	0	1626	1226	-1012	0	-167	-2346	22.4	395.6	45.9	0.0	418.0	1	
1I	0	-5178	886	1950	0	243	-742	71.2	280.6	67.7	0.0	351.8	1	
1J	0	-5178	1246	1950	0	243	-2808	71.2	509.0	67.7	0.0	580.3	1	
1K	0	-5178	886	-1528	0	-116	-742	71.2	176.3	53.1	0.0	247.5	1	
1L	0	-5178	1246	-1528	0	-116	-2808	71.2	404.8	53.1	0.0	476.0	1	
1M	0	3864	886	1950	0	243	-742	53.1	280.6	67.7	0.0	333.7	1	
1N	0	3864	1246	1950	0	243	-2808	53.1	509.0	67.7	0.0	562.2	1	
1O	0	3864	886	-1528	0	-116	-742	53.1	176.3	53.1	0.0	229.4	1	
1P	0	3864	1246	-1528	0	-116	-2808	53.1	404.8	53.1	0.0	457.9	1	
2	0	-3366	5252	615	0	327	-8838	46.3	1244.3	196.5	0.0	1290.6	1	
7	0	-2881	4107	394	0	275	-6945	39.6	992.3	153.6	0.0	1031.9	1	
8	0	-2525	4101	536	0	250	-6935	34.7	971.3	153.4	0.0	1006.0	1	
1A	13	-2941	899	1434	0	81	-1091	40.4	186.3	49.8	0.0	226.8	1	
1B	13	-2941	1219	1434	0	81	-2193	40.4	308.3	49.8	0.0	348.7	1	
1C	13	-2941	899	-1012	0	-5	-1091	40.4	125.0	35.2	0.0	170.5	3	
1D	13	-2941	1219	-1012	0	-5	-2193	40.4	247.0	45.6	0.0	287.4	1	
1E	13	1626	899	1434	0	81	-1091	22.4	186.3	49.8	0.0	208.7	1	
1F	13	1626	1219	1434	0	81	-2193	22.4	308.3	49.8	0.0	330.7	1	

1G	13	1626	899	-1012	0	-5	-1091	22.4	125.0	35.2	0.0	154.5	3
1H	13	1626	1219	-1012	0	-5	-2193	22.4	247.0	45.6	0.0	269.4	1
1I	13	-5178	879	1950	0	-75	-631	71.2	131.0	67.7	0.0	202.2	1
1J	13	-5178	1239	1950	0	-75	-2653	71.2	354.6	67.7	0.0	425.8	1
1K	13	-5178	879	-1528	0	150	-631	71.2	192.3	53.1	0.0	263.5	1
1L	13	-5178	1239	-1528	0	150	-2653	71.2	415.9	53.1	0.0	487.1	1
1M	13	3864	879	1950	0	-75	-631	53.1	131.0	67.7	0.0	184.1	1
1N	13	3864	1239	1950	0	-75	-2653	53.1	354.6	67.7	0.0	407.7	1
1O	13	3864	879	-1528	0	150	-631	53.1	192.3	53.1	0.0	245.4	1
1P	13	3864	1239	-1528	0	150	-2653	53.1	415.9	53.1	0.0	469.0	1
2	13	-3366	5243	615	0	250	-8182	46.3	1109.1	196.1	0.0	1155.4	1
7	13	-2880	4098	394	0	226	-6432	39.6	895.4	153.3	0.0	935.0	1
8	13	-2524	4092	536	0	183	-6423	34.7	860.0	153.1	0.0	894.7	1
1A	25	-2940	892	1434	0	-134	-978	40.4	217.3	49.8	0.0	257.8	1
1B	25	-2940	1212	1434	0	-134	-2042	40.4	335.0	49.8	0.0	375.5	1
1C	25	-2940	892	-1012	0	156	-978	40.4	235.6	35.2	0.0	276.1	1
1D	25	-2940	1212	-1012	0	156	-2042	40.4	353.3	45.3	0.0	393.8	1
1E	25	1627	892	1434	0	-134	-978	22.4	217.3	49.8	0.0	239.7	1
1F	25	1627	1212	1434	0	-134	-2042	22.4	335.0	49.8	0.0	357.4	1
1G	25	1627	892	-1012	0	156	-978	22.4	235.6	35.2	0.0	258.0	1
1H	25	1627	1212	-1012	0	156	-2042	22.4	353.3	45.3	0.0	375.7	1
1I	25	-5178	872	1950	0	-393	-521	71.2	378.3	67.7	0.0	449.6	1
1J	25	-5178	1232	1950	0	-393	-2499	71.2	597.1	67.7	0.0	668.3	1
1K	25	-5178	872	-1528	0	416	-521	71.2	396.7	53.1	0.0	467.9	1
1L	25	-5178	1232	-1528	0	416	-2499	71.2	615.4	53.1	0.0	686.7	1
1M	25	3864	872	1950	0	-393	-521	53.1	378.3	67.7	0.0	431.5	1
1N	25	3864	1232	1950	0	-393	-2499	53.1	597.1	67.7	0.0	650.3	1
1O	25	3864	872	-1528	0	416	-521	53.1	396.7	53.1	0.0	449.8	1
1P	25	3864	1232	-1528	0	416	-2499	53.1	615.4	53.1	0.0	668.6	1
2	25	-3366	5234	615	0	173	-7528	46.3	974.1	195.8	0.0	1020.4	1
7	25	-2880	4089	394	0	176	-5920	39.6	798.6	153.0	0.0	838.2	1
8	25	-2524	4083	536	0	116	-5912	34.7	748.8	152.7	0.0	783.6	1

ASTA NUM. 4 NI 733 NF 797 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2342	-168	19	0	25	2073	32.2	250.2	6.3	0.0	282.4	1	
1B	0	-2342	111	19	0	25	1381	32.2	173.5	4.2	0.0	205.7	1	
1C	0	-2342	-168	-18	0	-64	2073	32.2	281.9	6.3	0.0	314.1	1	
1D	0	-2342	111	-18	0	-64	1381	32.2	205.2	4.2	0.0	237.4	1	
1E	0	4696	-168	19	0	25	2073	64.6	250.2	6.3	0.0	314.8	1	
1F	0	4696	111	19	0	25	1381	64.6	173.5	4.2	0.0	238.1	1	
1G	0	4696	-168	-18	0	-64	2073	64.6	281.9	6.3	0.0	346.5	1	
1H	0	4696	111	-18	0	-64	1381	64.6	205.2	4.2	0.0	269.8	1	
1I	0	-107	-202	15	0	-5	1863	1.5	209.8	7.6	0.0	211.3	1	
1J	0	-107	146	15	0	-5	1591	1.5	179.7	5.4	0.0	181.2	1	
1K	0	-107	-202	-15	0	-34	1863	1.5	234.1	7.6	0.0	235.6	1	
1L	0	-107	146	-15	0	-34	1591	1.5	204.0	5.4	0.0	205.5	1	
1M	0	2461	-202	15	0	-5	1863	33.8	209.8	7.6	0.0	243.7	1	
1N	0	2461	146	15	0	-5	1591	33.8	179.7	5.4	0.0	213.6	1	
1O	0	2461	-202	-15	0	-34	1863	33.8	234.1	7.6	0.0	268.0	1	
1P	0	2461	146	-15	0	-34	1591	33.8	204.0	5.4	0.0	237.9	1	
2	0	6228	-82	4	0	-95	8288	85.7	994.3	3.1	0.0	1080.0	1	
7	0	4990	-59	4	0	-75	6511	68.6	781.1	2.2	0.0	849.7	1	
8	0	4817	-61	3	0	-74	6475	66.3	776.7	2.3	0.0	843.0	1	
1A	37	-2343	-189	19	0	21	2052	32.2	244.0	7.1	0.0	276.2	1	
1B	37	-2343	90	19	0	21	1373	32.2	168.9	3.4	0.0	201.1	1	
1C	37	-2343	-189	-18	0	-60	2052	32.2	275.8	7.1	0.0	308.0	1	
1D	37	-2343	90	-18	0	-60	1373	32.2	200.7	3.4	0.0	232.9	1	
1E	37	4696	-189	19	0	21	2052	64.6	244.0	7.1	0.0	308.6	1	
1F	37	4696	90	19	0	21	1373	64.6	168.9	3.4	0.0	233.5	1	
1G	37	4696	-189	-18	0	-60	2052	64.6	275.8	7.1	0.0	340.4	1	
1H	37	4696	90	-18	0	-60	1373	64.6	200.7	3.4	0.0	265.3	1	
1I	37	-107	-224	15	0	-3	1887	1.5	210.9	8.4	0.0	212.4	1	
1J	37	-107	124	15	0	-3	1538	1.5	172.3	4.6	0.0	173.8	1	
1K	37	-107	-224	-15	0	-36	1887	1.5	238.4	8.4	0.0	239.9	1	
1L	37	-107	124	-15	0	-36	1538	1.5	199.8	4.6	0.0	201.3	1	
1M	37	2460	-224	15	0	-3	1887	33.8	210.9	8.4	0.0	244.8	1	
1N	37	2460	124	15	0	-3	1538	33.8	172.3	4.6	0.0	206.2	1	
1O	37	2460	-224	-15	0	-36	1887	33.8	238.4	8.4	0.0	272.2	1	
1P	37	2460	124	-15	0	-36	1538	33.8	199.8	4.6	0.0	233.6	1	
2	37	6228	-110	4	0	-96	8252	85.7	991.6	4.1	0.0	1077.2	1	
7	37	4990	-87	4	0	-76	6484	68.6	779.3	3.3	0.0	848.0	1	
8	37	4816	-89	3	0	-75	6447	66.3	774.4	3.3	0.0	840.6	1	
1A	75	-2343	-211	19	0	16	2023	32.2	237.0	7.9	0.0	269.2	1	
1B	75	-2343	69	19	0	16	1357	32.2	163.4	2.6	0.0	195.6	1	
1C	75	-2343	-211	-18	0	-55	2023	32.2	268.8	7.9	0.0	301.1	1	
1D	75	-2343	69	-18	0	-55	1357	32.2	195.2	2.6	0.0	227.4	1	
1E	75	4695	-211	19	0	16	2023	64.6	237.0	7.9	0.0	301.6	1	
1F	75	4695	69	19	0	16	1357	64.6	163.4	2.6	0.0	227.9	1	
1G	75	4695	-211	-18	0	-55	2023	64.6	268.8	7.9	0.0	333.4	1	
1H	75	4695	69	-18	0	-55	1357	64.6	195.2	2.6	0.0	259.8	1	
1I	75	-108	-245	15	0	-1	1903	1.5	211.1	9.2	0.0	212.6	1	
1J	75	-108	103	15	0	-1	1477	1.5	164.0	3.8	0.0	165.5	1	
1K	75	-108	-245	-15	0	-38	1903	1.5	241.7	9.2	0.0	243.2	1	
1L	75	-108	103	-15	0	-38	1477	1.5	194.7	3.8	0.0	196.1	1	
1M	75	2460	-245	15	0	-1	1903	33.8	211.1	9.2	0.0	245.0	1	

1N	75	2460	103	15	0	-1	1477	33.8	164.0	3.8	0.0	197.9	1
1O	75	2460	-245	-15	0	-38	1903	33.8	241.7	9.2	0.0	275.6	1
1P	75	2460	103	-15	0	-38	1477	33.8	194.7	3.8	0.0	228.5	1
2	75	6227	-138	4	0	-98	8206	85.7	987.7	5.2	0.0	1073.3	1
7	75	4989	-115	4	0	-78	6446	68.6	776.4	4.3	0.0	845.0	1
8	75	4816	-117	3	0	-76	6408	66.2	770.9	4.4	0.0	837.1	1

ASTA NUM. 5 NI 391 NF 789 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1531	602	785	0	307	-3	21.1	250.8	27.3	0.0	271.8	1	
1B	0	-1531	1050	785	0	307	-16	21.1	252.2	39.3	0.0	273.3	1	
1C	0	-1531	602	-639	0	-276	-3	21.1	225.5	22.5	0.0	246.5	1	
1D	0	-1531	1050	-639	0	-276	-16	21.1	227.0	39.3	0.0	248.0	1	
1E	0	1410	602	785	0	307	-3	19.4	250.8	27.3	0.0	270.2	1	
1F	0	1410	1050	785	0	307	-16	19.4	252.2	39.3	0.0	271.6	1	
1G	0	1410	602	-639	0	-276	-3	19.4	225.5	22.5	0.0	244.9	1	
1H	0	1410	1050	-639	0	-276	-16	19.4	227.0	39.3	0.0	246.4	1	
1I	0	-4038	730	709	0	521	-3	55.5	425.3	27.3	0.0	480.8	1	
1J	0	-4038	922	709	0	521	-16	55.5	426.6	34.5	0.0	482.2	1	
1K	0	-4038	730	-562	0	-490	-3	55.5	400.0	27.3	0.0	455.5	1	
1L	0	-4038	922	-562	0	-490	-16	55.5	401.4	34.5	0.0	456.9	1	
1M	0	3917	730	709	0	521	-3	53.9	425.3	27.3	0.0	479.2	1	
1N	0	3917	922	709	0	521	-16	53.9	426.6	34.5	0.0	480.5	1	
1O	0	3917	730	-562	0	-490	-3	53.9	400.0	27.3	0.0	453.9	1	
1P	0	3917	922	-562	0	-490	-16	53.9	401.4	34.5	0.0	455.2	1	
2	0	834	4038	188	0	175	-47	11.5	148.1	151.0	0.0	262.2	4	
7	0	1027	3152	128	0	176	-37	14.1	147.6	117.9	0.0	205.3	4	
8	0	470	3148	163	0	119	-36	6.5	101.0	117.8	0.0	204.3	4	
1A	13	-1531	595	785	0	257	71	21.1	217.4	27.3	0.0	238.4	1	
1B	13	-1531	1042	785	0	257	116	21.1	222.4	39.0	0.0	243.4	1	
1C	13	-1531	595	-639	0	-244	71	21.1	207.1	22.3	0.0	228.1	1	
1D	13	-1531	1042	-639	0	-244	116	21.1	212.1	39.0	0.0	233.1	1	
1E	13	1410	595	785	0	257	71	19.4	217.4	27.3	0.0	236.8	1	
1F	13	1410	1042	785	0	257	116	19.4	222.4	39.0	0.0	241.8	1	
1G	13	1410	595	-639	0	-244	71	19.4	207.1	22.3	0.0	226.4	1	
1H	13	1410	1042	-639	0	-244	116	19.4	212.1	39.0	0.0	231.5	1	
1I	13	-4038	722	709	0	547	110	55.5	458.0	27.0	0.0	513.5	1	
1J	13	-4038	915	709	0	547	77	55.5	454.3	34.2	0.0	509.9	1	
1K	13	-4038	722	-562	0	-534	110	55.5	447.7	27.0	0.0	503.2	1	
1L	13	-4038	915	-562	0	-534	77	55.5	444.0	34.2	0.0	499.6	1	
1M	13	3917	722	709	0	547	110	53.9	458.0	27.0	0.0	511.9	1	
1N	13	3917	915	709	0	547	77	53.9	454.3	34.2	0.0	508.2	1	
1O	13	3917	722	-562	0	-534	110	53.9	447.7	27.0	0.0	501.5	1	
1P	13	3917	915	-562	0	-534	77	53.9	444.0	34.2	0.0	497.9	1	
2	13	834	4028	188	0	152	458	11.5	174.4	150.7	0.0	261.6	4	
7	13	1027	3142	128	0	160	357	14.1	170.0	117.5	0.0	204.6	4	
8	13	470	3138	163	0	99	356	6.5	119.8	117.4	0.0	203.6	4	
1A	25	-1531	588	785	0	207	143	21.1	184.5	27.3	0.0	205.6	1	
1B	25	-1531	1035	785	0	207	247	21.1	196.0	38.7	0.0	217.1	1	
1C	25	-1531	588	-639	0	-213	143	21.1	189.1	22.2	0.0	210.2	1	
1D	25	-1531	1035	-639	0	-213	247	21.1	200.6	38.7	0.0	221.7	1	
1E	25	1410	588	785	0	207	143	19.4	184.5	27.3	0.0	203.9	1	
1F	25	1410	1035	785	0	207	247	19.4	196.0	38.7	0.0	215.4	1	
1G	25	1410	588	-639	0	-213	143	19.4	189.1	22.2	0.0	208.5	1	
1H	25	1410	1035	-639	0	-213	247	19.4	200.6	38.7	0.0	220.0	1	
1I	25	-4038	715	709	0	573	222	55.5	491.3	26.8	0.0	546.9	1	
1J	25	-4038	908	709	0	573	168	55.5	485.4	34.0	0.0	541.0	1	
1K	25	-4038	715	-562	0	-578	222	55.5	496.0	26.8	0.0	551.5	1	
1L	25	-4038	908	-562	0	-578	168	55.5	490.1	34.0	0.0	545.6	1	
1M	25	3917	715	709	0	573	222	53.9	491.3	26.8	0.0	545.2	1	
1N	25	3917	908	709	0	573	168	53.9	485.4	34.0	0.0	539.3	1	
1O	25	3917	715	-562	0	-578	222	53.9	496.0	26.8	0.0	549.9	1	
1P	25	3917	908	-562	0	-578	168	53.9	490.1	34.0	0.0	543.9	1	
2	25	834	4019	188	0	128	960	11.5	210.9	150.3	0.0	260.9	4	
7	25	1027	3133	128	0	144	749	14.1	200.4	117.2	0.0	214.5	1	
8	25	470	3129	163	0	78	748	6.5	146.5	117.0	0.0	202.9	4	

ASTA NUM. 6 NI 732 NF 787 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6425	-77	20	0	47	3539	88.4	429.8	2.9	0.0	518.2	1	
1B	0	-6425	169	20	0	47	1205	88.4	171.6	6.3	0.0	260.0	1	
1C	0	-6425	-77	-21	0	-50	3539	88.4	432.2	2.9	0.0	520.6	1	
1D	0	-6425	169	-21	0	-50	1205	88.4	174.0	6.3	0.0	262.4	1	
1E	0	2783	-77	20	0	47	3539	38.3	429.8	2.9	0.0	468.1	1	
1F	0	2783	169	20	0	47	1205	38.3	171.6	6.3	0.0	209.9	1	
1G	0	2783	-77	-21	0	-50	3539	38.3	432.2	2.9	0.0	470.5	1	
1H	0	2783	169	-21	0	-50	1205	38.3	174.0	6.3	0.0	212.3	1	
1I	0	-3370	-7	20	0	15	2749	46.4	316.0	0.7	0.0	362.3	1	

1J	0	-3370	99	20	0	15	1995	46.4	232.5	3.7	0.0	278.9	1
1K	0	-3370	-7	-20	0	-17	2749	46.4	318.3	0.7	0.0	364.7	1
1L	0	-3370	99	-20	0	-17	1995	46.4	234.9	3.7	0.0	281.3	1
1M	0	-272	-7	20	0	15	2749	3.7	316.0	0.7	0.0	319.7	1
1N	0	-272	99	20	0	15	1995	3.7	232.5	3.7	0.0	236.3	1
1O	0	-272	-7	-20	0	-17	2749	3.7	318.3	0.7	0.0	322.1	1
1P	0	-272	99	-20	0	-17	1995	3.7	234.9	3.7	0.0	238.7	1
2	0	-8398	217	4	0	-11	11350	115.5	1264.9	8.1	0.0	1380.4	1
7	0	-6562	170	5	0	-9	8892	90.3	990.9	6.3	0.0	1081.2	1
8	0	-6589	170	3	0	-8	8867	90.6	987.9	6.4	0.0	1078.5	1
1A	37	-6426	-99	20	0	43	3513	88.4	423.6	3.7	0.0	512.0	1
1B	37	-6426	148	20	0	43	1257	88.4	174.0	5.5	0.0	262.4	1
1C	37	-6426	-99	-21	0	-46	3513	88.4	425.9	3.7	0.0	514.3	1
1D	37	-6426	148	-21	0	-46	1257	88.4	176.4	5.5	0.0	264.8	1
1E	37	2782	-99	20	0	43	3513	38.3	423.6	3.7	0.0	461.8	1
1F	37	2782	148	20	0	43	1257	38.3	174.0	5.5	0.0	212.3	1
1G	37	2782	-99	-21	0	-46	3513	38.3	425.9	3.7	0.0	464.2	1
1H	37	2782	148	-21	0	-46	1257	38.3	176.4	5.5	0.0	214.6	1
1I	37	-3371	-29	20	0	18	2749	46.4	319.1	1.1	0.0	365.4	1
1J	37	-3371	78	20	0	18	2021	46.4	238.5	2.9	0.0	284.9	1
1K	37	-3371	-29	-20	0	-21	2749	46.4	321.5	1.1	0.0	367.8	1
1L	37	-3371	78	-20	0	-21	2021	46.4	240.9	2.9	0.0	287.3	1
1M	37	-273	-29	20	0	18	2749	3.8	319.1	1.1	0.0	322.8	1
1N	37	-273	78	20	0	18	2021	3.8	238.5	2.9	0.0	242.3	1
1O	37	-273	-29	-20	0	-21	2749	3.8	321.5	1.1	0.0	325.2	1
1P	37	-273	78	-20	0	-21	2021	3.8	240.9	2.9	0.0	244.7	1
2	37	-8399	189	4	0	-13	11425	115.5	1274.5	7.1	0.0	1390.0	1
7	37	-6562	142	5	0	-10	8950	90.3	998.7	5.3	0.0	1089.0	1
8	37	-6590	143	3	0	-9	8926	90.6	995.2	5.3	0.0	1085.9	1
1A	75	-6427	-120	20	0	39	3479	88.4	416.5	4.5	0.0	504.9	1
1B	75	-6427	126	20	0	39	1301	88.4	175.5	4.7	0.0	263.9	1
1C	75	-6427	-120	-21	0	-42	3479	88.4	418.8	4.5	0.0	507.3	1
1D	75	-6427	126	-21	0	-42	1301	88.4	177.9	4.7	0.0	266.3	1
1E	75	2781	-120	20	0	39	3479	38.3	416.5	4.5	0.0	454.7	1
1F	75	2781	126	20	0	39	1301	38.3	175.5	4.7	0.0	213.8	1
1G	75	2781	-120	-21	0	-42	3479	38.3	418.8	4.5	0.0	457.1	1
1H	75	2781	126	-21	0	-42	1301	38.3	177.9	4.7	0.0	216.1	1
1I	75	-3372	-50	20	0	22	2741	46.4	321.3	1.9	0.0	367.7	1
1J	75	-3372	56	20	0	22	2039	46.4	243.6	2.1	0.0	290.0	1
1K	75	-3372	-50	-20	0	-25	2741	46.4	323.7	1.9	0.0	370.1	1
1L	75	-3372	56	-20	0	-25	2039	46.4	246.0	2.1	0.0	292.4	1
1M	75	-274	-50	20	0	22	2741	3.8	321.3	1.9	0.0	325.1	1
1N	75	-274	56	20	0	22	2039	3.8	243.6	2.1	0.0	247.4	1
1O	75	-274	-50	-20	0	-25	2741	3.8	323.7	1.9	0.0	327.5	1
1P	75	-274	56	-20	0	-25	2039	3.8	246.0	2.1	0.0	249.8	1
2	75	-8400	161	4	0	-15	11490	115.5	1283.0	6.0	0.0	1398.5	1
7	75	-6563	114	5	0	-12	8998	90.3	1005.4	4.3	0.0	1095.7	1
8	75	-6591	115	3	0	-11	8974	90.7	1001.4	4.3	0.0	1092.1	1

ASTA NUM. 7 NI 392 NF 779 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-905	1065	2393	0	942	-1221	12.5	902.8	83.1	0.0	915.3	1	
1B	0	-905	1329	2393	0	942	-2799	12.5	1077.4	83.1	0.0	1089.8	1	
1C	0	-905	1065	-2357	0	-924	-1221	12.5	888.1	81.9	0.0	900.5	1	
1D	0	-905	1329	-2357	0	-924	-2799	12.5	1062.6	81.9	0.0	1075.1	1	
1E	0	186	1065	2393	0	942	-1221	2.6	902.8	83.1	0.0	905.4	1	
1F	0	186	1329	2393	0	942	-2799	2.6	1077.4	83.1	0.0	1079.9	1	
1G	0	186	1065	-2357	0	-924	-1221	2.6	888.1	81.9	0.0	890.7	1	
1H	0	186	1329	-2357	0	-924	-2799	2.6	1062.6	81.9	0.0	1065.2	1	
1I	0	-1091	891	5258	0	2204	-23	15.0	1799.2	182.7	0.0	1814.2	1	
1J	0	-1091	1503	5258	0	2204	-3997	15.0	2238.7	182.7	0.0	2253.7	1	
1K	0	-1091	891	-5222	0	-2186	-23	15.0	1784.4	181.4	0.0	1799.4	1	
1L	0	-1091	1503	-5222	0	-2186	-3997	15.0	2224.0	181.4	0.0	2239.0	1	
1M	0	372	891	5258	0	2204	-23	5.1	1799.2	182.7	0.0	1804.3	1	
1N	0	372	1503	5258	0	2204	-3997	5.1	2238.7	182.7	0.0	2243.8	1	
1O	0	372	891	-5222	0	-2186	-23	5.1	1784.4	181.4	0.0	1789.5	1	
1P	0	372	1503	-5222	0	-2186	-3997	5.1	2224.0	181.4	0.0	2229.1	1	
2	0	-973	5989	1155	0	500	-10330	13.4	1550.6	224.0	0.0	1564.0	1	
7	0	-636	4686	1213	0	524	-8146	8.7	1328.4	175.3	0.0	1337.2	1	
8	0	-817	4667	739	0	321	-8060	11.2	1153.3	174.6	0.0	1164.5	1	
1A	13	-905	1058	2393	0	645	-1088	12.5	646.4	83.1	0.0	658.8	1	
1B	13	-905	1322	2393	0	645	-2634	12.5	817.4	83.1	0.0	829.8	1	
1C	13	-905	1058	-2357	0	-632	-1088	12.5	635.3	81.9	0.0	647.8	1	
1D	13	-905	1322	-2357	0	-632	-2634	12.5	806.4	81.9	0.0	818.8	1	
1E	13	186	1058	2393	0	645	-1088	2.6	646.4	83.1	0.0	648.9	1	
1F	13	186	1322	2393	0	645	-2634	2.6	817.4	83.1	0.0	820.0	1	
1G	13	186	1058	-2357	0	-632	-1088	2.6	635.3	81.9	0.0	637.9	1	
1H	13	186	1322	-2357	0	-632	-2634	2.6	806.4	81.9	0.0	808.9	1	
1I	13	-1091	884	5258	0	1548	88	15.0	1271.2	182.7	0.0	1286.2	1	
1J	13	-1091	1496	5258	0	1548	-3810	15.0	1683.0	182.7	0.0	1698.0	1	
1K	13	-1091	884	-5222	0	-1534	88	15.0	1260.2	181.4	0.0	1275.2	1	
1L	13	-1091	1496	-5222	0	-1534	-3810	15.0	1672.0	181.4	0.0	1687.0	1	
1M	13	372	884	5258	0	1548	88	5.1	1271.2	182.7	0.0	1276.3	1	
1N	13	372	1496	5258	0	1548	-3810	5.1	1683.0	182.7	0.0	1688.1	1	
1O	13	372	884	-5222	0	-1534	88	5.1	1260.2	181.4	0.0	1265.3	1	
1P	13	372	1496	-5222	0	-1534	-3810	5.1	1672.0	181.4	0.0	1677.1	1	

2	13	-973	5980	1155	0	356	-9581	13.4	1350.1	223.7	0.0	1363.5	1
7	13	-636	4677	1213	0	373	-7561	8.7	1140.1	174.9	0.0	1148.8	1
8	13	-817	4658	739	0	229	-7477	11.2	1013.5	174.2	0.0	1024.8	1
1A	25	-905	1051	2393	0	349	-956	12.4	390.0	83.1	0.0	402.4	1
1B	25	-905	1315	2393	0	349	-2470	12.4	557.5	83.1	0.0	570.0	1
1C	25	-905	1051	-2357	0	-340	-956	12.4	382.7	81.9	0.0	395.1	1
1D	25	-905	1315	-2357	0	-340	-2470	12.4	550.2	81.9	0.0	562.7	1
1E	25	187	1051	2393	0	349	-956	2.6	390.0	83.1	0.0	392.5	1
1F	25	187	1315	2393	0	349	-2470	2.6	557.5	83.1	0.0	560.1	1
1G	25	187	1051	-2357	0	-340	-956	2.6	382.7	81.9	0.0	385.2	1
1H	25	187	1315	-2357	0	-340	-2470	2.6	550.2	81.9	0.0	552.8	1
1I	25	-1091	877	5258	0	891	198	15.0	748.4	182.7	0.0	763.4	1
1J	25	-1091	1489	5258	0	891	-3624	15.0	1127.4	182.7	0.0	1142.4	1
1K	25	-1091	877	-5222	0	-882	198	15.0	741.1	181.4	0.0	756.1	1
1L	25	-1091	1489	-5222	0	-882	-3624	15.0	1120.1	181.4	0.0	1135.1	1
1M	25	372	877	5258	0	891	198	5.1	748.4	182.7	0.0	753.5	1
1N	25	372	1489	5258	0	891	-3624	5.1	1127.4	182.7	0.0	1132.5	1
1O	25	372	877	-5222	0	-882	198	5.1	741.1	181.4	0.0	746.2	1
1P	25	372	1489	-5222	0	-882	-3624	5.1	1120.1	181.4	0.0	1125.2	1
2	25	-972	5971	1155	0	212	-8834	13.4	1149.8	223.3	0.0	1163.2	1
7	25	-636	4668	1213	0	221	-6977	8.7	951.9	174.6	0.0	960.7	1
8	25	-817	4648	739	0	136	-6895	11.2	873.9	173.9	0.0	885.1	1

ASTA NUM. 8 NI 731 NF 777 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-694	-121	24	0	61	2094	9.5	281.6	4.5	0.0	291.2	1	
1B	0	-694	135	24	0	61	1880	9.5	258.0	5.1	0.0	267.5	1	
1C	0	-694	-121	-24	0	-69	2094	9.5	287.5	4.5	0.0	297.1	1	
1D	0	-694	135	-24	0	-69	1880	9.5	263.9	5.1	0.0	273.4	1	
1E	0	32	-121	24	0	61	2094	0.4	281.6	4.5	0.0	282.1	1	
1F	0	32	135	24	0	61	1880	0.4	258.0	5.1	0.0	258.4	1	
1G	0	32	-121	-24	0	-69	2094	0.4	287.5	4.5	0.0	288.0	1	
1H	0	32	135	-24	0	-69	1880	0.4	263.9	5.1	0.0	264.3	1	
1I	0	-688	-288	32	0	18	2060	9.5	242.1	10.8	0.0	251.6	1	
1J	0	-688	302	32	0	18	1914	9.5	226.1	11.3	0.0	235.5	1	
1K	0	-688	-288	-33	0	-25	2060	9.5	248.0	10.8	0.0	257.5	1	
1L	0	-688	302	-33	0	-25	1914	9.5	232.0	11.3	0.0	241.4	1	
1M	0	27	-288	32	0	18	2060	0.4	242.1	10.8	0.0	242.5	1	
1N	0	27	302	32	0	18	1914	0.4	226.1	11.3	0.0	226.4	1	
1O	0	27	-288	-33	0	-25	2060	0.4	248.0	10.8	0.0	248.4	1	
1P	0	27	302	-33	0	-25	1914	0.4	232.0	11.3	0.0	232.3	1	
2	0	-830	117	6	0	-20	9700	11.4	1089.8	4.4	0.0	1101.2	1	
7	0	-527	102	7	0	-16	7611	7.2	855.0	3.8	0.0	862.2	1	
8	0	-705	90	4	0	-16	7565	9.7	849.8	3.4	0.0	859.5	1	
1A	37	-694	-142	24	0	59	2126	9.5	283.4	5.3	0.0	292.9	1	
1B	37	-694	114	24	0	59	1845	9.5	252.2	4.3	0.0	261.8	1	
1C	37	-694	-142	-24	0	-66	2126	9.5	289.2	5.3	0.0	298.7	1	
1D	37	-694	114	-24	0	-66	1845	9.5	258.0	4.3	0.0	267.5	1	
1E	37	32	-142	24	0	59	2126	0.4	283.4	5.3	0.0	283.8	1	
1F	37	32	114	24	0	59	1845	0.4	252.2	4.3	0.0	252.6	1	
1G	37	32	-142	-24	0	-66	2126	0.4	289.2	5.3	0.0	289.6	1	
1H	37	32	114	-24	0	-66	1845	0.4	258.0	4.3	0.0	258.4	1	
1I	37	-689	-309	32	0	26	2139	9.5	258.0	11.6	0.0	267.5	1	
1J	37	-689	281	32	0	26	1832	9.5	224.1	10.5	0.0	233.5	1	
1K	37	-689	-309	-33	0	-33	2139	9.5	263.8	11.6	0.0	273.3	1	
1L	37	-689	281	-33	0	-33	1832	9.5	229.8	10.5	0.0	239.3	1	
1M	37	27	-309	32	0	26	2139	0.4	258.0	11.6	0.0	258.4	1	
1N	37	27	281	32	0	26	1832	0.4	224.1	10.5	0.0	224.4	1	
1O	37	27	-309	-33	0	-33	2139	0.4	263.8	11.6	0.0	264.1	1	
1P	37	27	281	-33	0	-33	1832	0.4	229.8	10.5	0.0	230.2	1	
2	37	-831	89	6	0	-23	9739	11.4	1096.0	3.3	0.0	1107.4	1	
7	37	-528	74	7	0	-18	7644	7.3	860.7	2.8	0.0	867.9	1	
8	37	-705	63	4	0	-17	7594	9.7	854.1	2.3	0.0	863.8	1	
1A	75	-695	-164	24	0	57	2151	9.6	284.3	6.1	0.0	293.8	1	
1B	75	-695	92	24	0	57	1801	9.6	245.6	3.5	0.0	255.1	1	
1C	75	-695	-164	-24	0	-64	2151	9.6	289.9	6.1	0.0	299.5	1	
1D	75	-695	92	-24	0	-64	1801	9.6	251.2	3.5	0.0	260.8	1	
1E	75	31	-164	24	0	57	2151	0.4	284.3	6.1	0.0	284.7	1	
1F	75	31	92	24	0	57	1801	0.4	245.6	3.5	0.0	246.0	1	
1G	75	31	-164	-24	0	-64	2151	0.4	289.9	6.1	0.0	290.4	1	
1H	75	31	92	-24	0	-64	1801	0.4	251.2	3.5	0.0	251.7	1	
1I	75	-690	-331	32	0	35	2210	9.5	273.0	12.4	0.0	282.4	1	
1J	75	-690	259	32	0	35	1742	9.5	221.2	9.7	0.0	230.6	1	
1K	75	-690	-331	-33	0	-42	2210	9.5	278.6	12.4	0.0	288.1	1	
1L	75	-690	259	-33	0	-42	1742	9.5	226.8	9.7	0.0	236.3	1	
1M	75	26	-331	32	0	35	2210	0.4	273.0	12.4	0.0	273.3	1	
1N	75	26	259	32	0	35	1742	0.4	221.2	9.7	0.0	221.5	1	
1O	75	26	-331	-33	0	-42	2210	0.4	278.6	12.4	0.0	279.0	1	
1P	75	26	259	-33	0	-42	1742	0.4	226.8	9.7	0.0	227.2	1	
2	75	-832	61	6	0	-25	9767	11.4	1101.0	2.3	0.0	1112.4	1	
7	75	-528	47	7	0	-21	7667	7.3	865.2	1.7	0.0	872.4	1	
8	75	-706	35	4	0	-19	7612	9.7	857.3	1.3	0.0	867.0	1	

ASTA NUM. 9 NI 393 NF 769 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.

qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1637	577	1122	0	476	-3	22.5	388.5	39.0	0.0	411.0	1	
1B	0	-1637	1052	1122	0	476	-17	22.5	390.0	39.4	0.0	412.6	1	
1C	0	-1637	577	-1447	0	-533	-3	22.5	435.0	50.3	0.0	457.6	1	
1D	0	-1637	1052	-1447	0	-533	-17	22.5	436.6	50.3	0.0	459.1	1	
1E	0	1341	577	1122	0	476	-3	18.5	388.5	39.0	0.0	406.9	1	
1F	0	1341	1052	1122	0	476	-17	18.5	390.0	39.4	0.0	408.5	1	
1G	0	1341	577	-1447	0	-533	-3	18.5	435.0	50.3	0.0	453.5	1	
1H	0	1341	1052	-1447	0	-533	-17	18.5	436.6	50.3	0.0	455.0	1	
1I	0	-3715	706	909	0	773	-1	51.1	630.0	31.6	0.0	681.1	1	
1J	0	-3715	922	909	0	773	-19	51.1	631.9	34.5	0.0	683.0	1	
1K	0	-3715	706	-1235	0	-830	-1	51.1	676.5	42.9	0.0	727.6	1	
1L	0	-3715	922	-1235	0	-830	-19	51.1	678.4	42.9	0.0	729.5	1	
1M	0	3419	706	909	0	773	-1	47.0	630.0	31.6	0.0	677.0	1	
1N	0	3419	922	909	0	773	-19	47.0	631.9	34.5	0.0	678.9	1	
1O	0	3419	706	-1235	0	-830	-1	47.0	676.5	42.9	0.0	723.5	1	
1P	0	3419	922	-1235	0	-830	-19	47.0	678.4	42.9	0.0	725.5	1	
2	0	-1258	3970	-702	0	-9	-50	17.3	12.5	148.5	0.0	257.8	4	
7	0	-1119	3098	-586	0	14	-39	15.4	15.6	115.9	0.0	201.3	4	
8	0	-905	3096	-548	0	-23	-39	12.4	22.9	115.8	0.0	201.0	4	
1A	13	-1637	569	1122	0	348	66	22.5	290.7	39.0	0.0	313.2	1	
1B	13	-1637	1045	1122	0	348	116	22.5	296.2	39.1	0.0	318.7	1	
1C	13	-1637	569	-1447	0	-364	66	22.5	304.1	50.3	0.0	326.6	1	
1D	13	-1637	1045	-1447	0	-364	116	22.5	309.6	50.3	0.0	332.1	1	
1E	13	1342	569	1122	0	348	66	18.5	290.7	39.0	0.0	309.2	1	
1F	13	1342	1045	1122	0	348	116	18.5	296.2	39.1	0.0	314.7	1	
1G	13	1342	569	-1447	0	-364	66	18.5	304.1	50.3	0.0	322.5	1	
1H	13	1342	1045	-1447	0	-364	116	18.5	309.6	50.3	0.0	328.1	1	
1I	13	-3715	699	909	0	667	112	51.1	555.6	31.6	0.0	606.7	1	
1J	13	-3715	915	909	0	667	71	51.1	551.0	34.2	0.0	602.1	1	
1K	13	-3715	699	-1235	0	-683	112	51.1	569.0	42.9	0.0	620.1	1	
1L	13	-3715	915	-1235	0	-683	71	51.1	564.4	42.9	0.0	615.5	1	
1M	13	3419	699	909	0	667	112	47.0	555.6	31.6	0.0	602.7	1	
1N	13	3419	915	909	0	667	71	47.0	551.0	34.2	0.0	598.1	1	
1O	13	3419	699	-1235	0	-683	112	47.0	569.0	42.9	0.0	616.1	1	
1P	13	3419	915	-1235	0	-683	71	47.0	564.4	42.9	0.0	611.5	1	
2	13	-1258	3961	-702	0	79	446	17.3	113.8	148.2	0.0	257.4	4	
7	13	-1119	3088	-586	0	87	347	15.4	109.4	115.5	0.0	201.0	4	
8	13	-904	3087	-548	0	46	348	12.4	75.6	115.5	0.0	200.5	4	
1A	25	-1637	562	1122	0	219	135	22.5	193.5	39.0	0.0	216.0	1	
1B	25	-1637	1038	1122	0	219	249	22.5	206.0	39.0	0.0	228.6	1	
1C	25	-1637	562	-1447	0	-195	135	22.5	173.7	50.3	0.0	196.2	1	
1D	25	-1637	1038	-1447	0	-195	249	22.5	186.3	50.3	0.0	208.8	1	
1E	25	1342	562	1122	0	219	135	18.5	193.5	39.0	0.0	211.9	1	
1F	25	1342	1038	1122	0	219	249	18.5	206.0	39.0	0.0	224.5	1	
1G	25	1342	562	-1447	0	-195	135	18.5	173.7	50.3	0.0	192.2	1	
1H	25	1342	1038	-1447	0	-195	249	18.5	186.3	50.3	0.0	204.7	1	
1I	25	-3715	692	909	0	560	225	51.1	481.5	31.6	0.0	532.6	1	
1J	25	-3715	908	909	0	560	159	51.1	474.2	34.0	0.0	525.3	1	
1K	25	-3715	692	-1235	0	-536	225	51.1	461.7	42.9	0.0	512.8	1	
1L	25	-3715	908	-1235	0	-536	159	51.1	454.5	42.9	0.0	505.6	1	
1M	25	3420	692	909	0	560	225	47.0	481.5	31.6	0.0	528.5	1	
1N	25	3420	908	909	0	560	159	47.0	474.2	34.0	0.0	521.3	1	
1O	25	3420	692	-1235	0	-536	225	47.0	461.7	42.9	0.0	508.8	1	
1P	25	3420	908	-1235	0	-536	159	47.0	454.5	42.9	0.0	501.5	1	
2	25	-1257	3952	-702	0	167	940	17.3	240.0	147.8	0.0	257.3	1	
7	25	-1119	3079	-586	0	160	733	15.4	211.7	115.2	0.0	227.1	1	
8	25	-904	3078	-548	0	114	733	12.4	174.1	115.1	0.0	200.1	4	

ASTA NUM. 10 NI 730 NF 767 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6279	-80	18	0	44	3463	86.4	419.1	3.0	0.0	505.4	1	
1B	0	-6279	180	18	0	44	1129	86.4	160.9	6.7	0.0	247.2	1	
1C	0	-6279	-80	-19	0	-51	3463	86.4	424.5	3.0	0.0	510.8	1	
1D	0	-6279	180	-19	0	-51	1129	86.4	166.3	6.7	0.0	252.6	1	
1E	0	2371	-80	18	0	44	3463	32.6	419.1	3.0	0.0	451.7	1	
1F	0	2371	180	18	0	44	1129	32.6	160.9	6.7	0.0	193.5	1	
1G	0	2371	-80	-19	0	-51	3463	32.6	424.5	3.0	0.0	457.1	1	
1H	0	2371	180	-19	0	-51	1129	32.6	166.3	6.7	0.0	198.9	1	
1I	0	-3335	-29	18	0	12	2673	45.9	305.6	1.1	0.0	351.5	1	
1J	0	-3335	129	18	0	12	1919	45.9	222.2	4.8	0.0	268.0	1	
1K	0	-3335	-29	-19	0	-19	2673	45.9	311.0	1.1	0.0	356.9	1	
1L	0	-3335	129	-19	0	-19	1919	45.9	227.5	4.8	0.0	273.4	1	
1M	0	-573	-29	18	0	12	2673	7.9	305.6	1.1	0.0	313.5	1	
1N	0	-573	129	18	0	12	1919	7.9	222.2	4.8	0.0	230.0	1	
1O	0	-573	-29	-19	0	-19	2673	7.9	311.0	1.1	0.0	318.9	1	
1P	0	-573	129	-19	0	-19	1919	7.9	227.5	4.8	0.0	235.4	1	
2	0	-9021	239	2	0	-12	10890	124.1	1214.3	8.9	0.0	1338.4	1	
7	0	-7061	189	2	0	-9	8533	97.1	951.7	7.1	0.0	1048.8	1	
8	0	-7077	187	1	0	-9	8518	97.3	950.1	7.0	0.0	1047.4	1	

1A	37	-6279	-101	18	0	41	3439	86.4	413.6	3.8	0.0	499.9	1
1B	37	-6279	159	18	0	41	1183	86.4	163.9	5.9	0.0	250.3	1
1C	37	-6279	-101	-19	0	-47	3439	86.4	418.7	3.8	0.0	505.1	1
1D	37	-6279	159	-19	0	-47	1183	86.4	169.1	5.9	0.0	255.5	1
1E	37	2370	-101	18	0	41	3439	32.6	413.6	3.8	0.0	446.2	1
1F	37	2370	159	18	0	41	1183	32.6	163.9	5.9	0.0	196.5	1
1G	37	2370	-101	-19	0	-47	3439	32.6	418.7	3.8	0.0	451.3	1
1H	37	2370	159	-19	0	-47	1183	32.6	169.1	5.9	0.0	201.7	1
1I	37	-3335	-50	18	0	16	2676	45.9	309.0	1.9	0.0	354.9	1
1J	37	-3335	108	18	0	16	1946	45.9	228.2	4.0	0.0	274.1	1
1K	37	-3335	-50	-19	0	-22	2676	45.9	314.2	1.9	0.0	360.0	1
1L	37	-3335	108	-19	0	-22	1946	45.9	233.4	4.0	0.0	279.3	1
1M	37	-574	-50	18	0	16	2676	7.9	309.0	1.9	0.0	316.9	1
1N	37	-574	108	18	0	16	1946	7.9	228.2	4.0	0.0	236.1	1
1O	37	-574	-50	-19	0	-22	2676	7.9	314.2	1.9	0.0	322.1	1
1P	37	-574	108	-19	0	-22	1946	7.9	233.4	4.0	0.0	241.3	1
2	37	-9022	211	2	0	-13	10975	124.1	1224.4	7.9	0.0	1348.5	1
7	37	-7062	162	2	0	-10	8599	97.1	959.7	6.0	0.0	1056.8	1
8	37	-7078	159	1	0	-10	8583	97.4	957.6	6.0	0.0	1055.0	1
1A	75	-6280	-123	18	0	37	3408	86.4	407.2	4.6	0.0	493.5	1
1B	75	-6280	138	18	0	37	1228	86.4	166.1	5.1	0.0	252.5	1
1C	75	-6280	-123	-19	0	-43	3408	86.4	412.1	4.6	0.0	498.5	1
1D	75	-6280	138	-19	0	-43	1228	86.4	171.0	5.1	0.0	257.4	1
1E	75	2370	-123	18	0	37	3408	32.6	407.2	4.6	0.0	439.8	1
1F	75	2370	138	18	0	37	1228	32.6	166.1	5.1	0.0	198.7	1
1G	75	2370	-123	-19	0	-43	3408	32.6	412.1	4.6	0.0	444.7	1
1H	75	2370	138	-19	0	-43	1228	32.6	171.0	5.1	0.0	203.6	1
1I	75	-3336	-72	18	0	20	2671	45.9	311.5	2.7	0.0	357.4	1
1J	75	-3336	87	18	0	20	1965	45.9	233.4	3.2	0.0	279.3	1
1K	75	-3336	-72	-19	0	-26	2671	45.9	316.5	2.7	0.0	362.3	1
1L	75	-3336	87	-19	0	-26	1965	45.9	238.4	3.2	0.0	284.3	1
1M	75	-574	-72	18	0	20	2671	7.9	311.5	2.7	0.0	319.4	1
1N	75	-574	87	18	0	20	1965	7.9	233.4	3.2	0.0	241.3	1
1O	75	-574	-72	-19	0	-26	2671	7.9	316.5	2.7	0.0	324.4	1
1P	75	-574	87	-19	0	-26	1965	7.9	238.4	3.2	0.0	246.3	1
2	75	-9023	183	2	0	-13	11050	124.1	1233.4	6.9	0.0	1357.5	1
7	75	-7062	134	2	0	-11	8654	97.1	966.5	5.0	0.0	1063.7	1
8	75	-7078	132	1	0	-10	8637	97.4	964.0	4.9	0.0	1061.3	1

ASTA NUM. 11 NI 729 NF 754 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5590	-134	15	0	47	1444	76.9	198.0	5.0	0.0	274.9	1	
1B	0	-5590	255	15	0	47	736	76.9	119.7	9.6	0.0	196.6	1	
1C	0	-5590	-134	-15	0	-14	1444	76.9	171.4	5.0	0.0	248.3	1	
1D	0	-5590	255	-15	0	-14	736	76.9	93.2	9.6	0.0	170.0	1	
1E	0	2756	-134	15	0	47	1444	37.9	198.0	5.0	0.0	235.9	1	
1F	0	2756	255	15	0	47	736	37.9	119.7	9.6	0.0	157.6	1	
1G	0	2756	-134	-15	0	-14	1444	37.9	171.4	5.0	0.0	209.3	1	
1H	0	2756	255	-15	0	-14	736	37.9	93.2	9.6	0.0	131.1	1	
1I	0	-3356	-363	5	0	26	1268	46.2	161.8	13.6	0.0	208.0	1	
1J	0	-3356	485	5	0	26	912	46.2	122.4	18.1	0.0	168.6	1	
1K	0	-3356	-363	-5	0	6	1268	46.2	145.3	13.6	0.0	191.4	1	
1L	0	-3356	485	-5	0	6	912	46.2	105.9	18.1	0.0	152.1	1	
1M	0	522	-363	5	0	26	1268	7.2	161.8	13.6	0.0	169.0	1	
1N	0	522	485	5	0	26	912	7.2	122.4	18.1	0.0	129.6	1	
1O	0	522	-363	-5	0	6	1268	7.2	145.3	13.6	0.0	152.5	1	
1P	0	522	485	-5	0	6	912	7.2	105.9	18.1	0.0	113.1	1	
2	0	-53	151	-0	0	89	4562	0.7	577.3	5.7	0.0	578.0	1	
7	0	-645	162	-0	0	69	3625	8.9	456.9	6.1	0.0	465.8	1	
8	0	-593	134	-0	0	69	3618	8.2	456.2	5.0	0.0	464.4	1	
1A	37	-5591	-155	15	0	41	1466	76.9	196.0	5.8	0.0	272.9	1	
1B	37	-5591	234	15	0	41	752	76.9	117.0	8.8	0.0	193.9	1	
1C	37	-5591	-155	-15	0	-9	1466	76.9	169.3	5.8	0.0	246.2	1	
1D	37	-5591	234	-15	0	-9	752	76.9	90.3	8.8	0.0	167.2	1	
1E	37	2756	-155	15	0	41	1466	37.9	196.0	5.8	0.0	233.9	1	
1F	37	2756	234	15	0	41	752	37.9	117.0	8.8	0.0	154.9	1	
1G	37	2756	-155	-15	0	-9	1466	37.9	169.3	5.8	0.0	207.2	1	
1H	37	2756	234	-15	0	-9	752	37.9	90.3	8.8	0.0	128.2	1	
1I	37	-3356	-384	5	0	25	1363	46.2	170.9	14.4	0.0	217.1	1	
1J	37	-3356	463	5	0	25	856	46.2	114.8	17.3	0.0	161.0	1	
1K	37	-3356	-384	-5	0	8	1363	46.2	157.3	14.4	0.0	203.4	1	
1L	37	-3356	463	-5	0	8	856	46.2	101.2	17.3	0.0	147.4	1	
1M	37	521	-384	5	0	25	1363	7.2	170.9	14.4	0.0	178.1	1	
1N	37	521	463	5	0	25	856	7.2	114.8	17.3	0.0	122.0	1	
1O	37	521	-384	-5	0	8	1363	7.2	157.3	14.4	0.0	164.4	1	
1P	37	521	463	-5	0	8	856	7.2	101.2	17.3	0.0	108.4	1	
2	37	-54	124	-0	0	89	4614	0.7	583.1	4.6	0.0	583.9	1	
7	37	-646	135	-0	0	69	3681	8.9	463.2	5.0	0.0	472.1	1	
8	37	-594	106	-0	0	69	3663	8.2	461.4	4.0	0.0	469.6	1	
1A	75	-5591	-176	15	0	36	1481	76.9	193.1	6.6	0.0	270.1	1	
1B	75	-5591	213	15	0	36	759	76.9	113.4	8.0	0.0	190.3	1	
1C	75	-5591	-176	-15	0	-3	1481	76.9	166.3	6.6	0.0	243.2	1	
1D	75	-5591	213	-15	0	-3	759	76.9	86.5	8.0	0.0	163.4	1	
1E	75	2755	-176	15	0	36	1481	37.9	193.1	6.6	0.0	231.0	1	
1F	75	2755	213	15	0	36	759	37.9	113.4	8.0	0.0	151.3	1	

1G	75	2755	-176	-15	0	-3	1481	37.9	166.3	6.6	0.0	204.2	1
1H	75	2755	213	-15	0	-3	759	37.9	86.5	8.0	0.0	124.4	1
1I	75	-3357	-405	5	0	23	1449	46.2	179.1	15.2	0.0	225.3	1
1J	75	-3357	442	5	0	23	791	46.2	106.3	16.5	0.0	152.5	1
1K	75	-3357	-405	-5	0	10	1449	46.2	168.4	15.2	0.0	214.6	1
1L	75	-3357	442	-5	0	10	791	46.2	95.6	16.5	0.0	141.8	1
1M	75	521	-405	5	0	23	1449	7.2	179.1	15.2	0.0	186.3	1
1N	75	521	442	5	0	23	791	7.2	106.3	16.5	0.0	113.5	1
1O	75	521	-405	-5	0	10	1449	7.2	168.4	15.2	0.0	175.5	1
1P	75	521	442	-5	0	10	791	7.2	95.6	16.5	0.0	102.7	1
2	75	-54	96	-0	0	89	4655	0.7	587.8	3.6	0.0	588.6	1
7	75	-647	107	-0	0	69	3726	8.9	468.3	4.0	0.0	477.2	1
8	75	-594	78	-0	0	69	3698	8.2	465.4	2.9	0.0	473.6	1

ASTA NUM. 12 NI 394 NF 752 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4976	518	1108	0	207	-72	68.4	176.5	38.5	0.0	244.9	1	
1B	0	-4976	997	1108	0	207	-2740	68.4	471.5	38.5	0.0	540.0	1	
1C	0	-4976	518	-1628	0	-318	-72	68.4	267.3	56.6	0.0	335.8	1	
1D	0	-4976	997	-1628	0	-318	-2740	68.4	562.4	56.6	0.0	630.8	1	
1E	0	-1690	518	1108	0	207	-72	23.3	176.5	38.5	0.0	199.7	1	
1F	0	-1690	997	1108	0	207	-2740	23.3	471.5	38.5	0.0	494.8	1	
1G	0	-1690	518	-1628	0	-318	-72	23.3	267.3	56.6	0.0	290.6	1	
1H	0	-1690	997	-1628	0	-318	-2740	23.3	562.4	56.6	0.0	585.6	1	
1I	0	-5675	355	2570	0	493	1335	78.1	549.7	89.3	0.0	627.7	1	
1J	0	-5675	1160	2570	0	493	-4147	78.1	860.8	89.3	0.0	938.8	1	
1K	0	-5675	355	-3090	0	-605	1335	78.1	640.5	107.3	0.0	718.6	1	
1L	0	-5675	1160	-3090	0	-605	-4147	78.1	951.6	107.3	0.0	1029.7	1	
1M	0	-991	355	2570	0	493	1335	13.6	549.7	89.3	0.0	563.3	1	
1N	0	-991	1160	2570	0	493	-4147	13.6	860.8	89.3	0.0	874.4	1	
1O	0	-991	355	-3090	0	-605	1335	13.6	640.5	107.3	0.0	654.1	1	
1P	0	-991	1160	-3090	0	-605	-4147	13.6	951.6	107.3	0.0	965.2	1	
2	0	-8226	3140	-1683	0	-344	-6254	113.1	972.2	117.5	0.0	1085.3	1	
7	0	-6910	2525	-1474	0	-299	-5129	95.0	811.1	94.4	0.0	906.2	1	
8	0	-7097	2498	-1243	0	-256	-4953	97.6	756.2	93.4	0.0	853.8	1	
1A	13	-4976	511	1108	0	68	-7	68.4	56.4	38.5	0.0	124.8	1	
1B	13	-4976	990	1108	0	68	-2617	68.4	345.1	38.5	0.0	413.5	1	
1C	13	-4976	511	-1628	0	-115	-7	68.4	94.3	56.6	0.0	162.7	1	
1D	13	-4976	990	-1628	0	-115	-2617	68.4	382.9	56.6	0.0	451.4	1	
1E	13	-1690	511	1108	0	68	-7	23.3	56.4	38.5	0.0	79.7	1	
1F	13	-1690	990	1108	0	68	-2617	23.3	345.1	38.5	0.0	368.3	1	
1G	13	-1690	511	-1628	0	-115	-7	23.3	94.3	56.6	0.0	117.5	1	
1H	13	-1690	990	-1628	0	-115	-2617	23.3	382.9	56.6	0.0	406.2	1	
1I	13	-5675	348	2570	0	172	1378	78.1	292.7	89.3	0.0	370.7	1	
1J	13	-5675	1153	2570	0	172	-4003	78.1	583.0	89.3	0.0	661.1	1	
1K	13	-5675	348	-3090	0	-218	1378	78.1	330.5	107.3	0.0	408.6	1	
1L	13	-5675	1153	-3090	0	-218	-4003	78.1	620.9	107.3	0.0	698.9	1	
1M	13	-991	348	2570	0	172	1378	13.6	292.7	89.3	0.0	306.3	1	
1N	13	-991	1153	2570	0	172	-4003	13.6	583.0	89.3	0.0	596.6	1	
1O	13	-991	348	-3090	0	-218	1378	13.6	330.5	107.3	0.0	344.2	1	
1P	13	-991	1153	-3090	0	-218	-4003	13.6	620.9	107.3	0.0	634.5	1	
2	13	-8226	3131	-1683	0	-134	-5862	113.1	757.4	117.1	0.0	870.6	1	
7	13	-6910	2516	-1474	0	-115	-4814	95.0	626.2	94.1	0.0	721.2	1	
8	13	-7096	2488	-1243	0	-100	-4641	97.6	595.1	93.1	0.0	692.7	1	
1A	25	-4976	504	1108	0	-70	57	68.4	63.6	38.5	0.0	132.0	1	
1B	25	-4976	983	1108	0	-70	-2495	68.4	333.3	38.5	0.0	401.7	1	
1C	25	-4976	504	-1628	0	89	57	68.4	78.7	56.6	0.0	147.2	1	
1D	25	-4976	983	-1628	0	89	-2495	68.4	348.4	56.6	0.0	416.9	1	
1E	25	-1690	504	1108	0	-70	57	23.3	63.6	38.5	0.0	86.8	1	
1F	25	-1690	983	1108	0	-70	-2495	23.3	333.3	38.5	0.0	356.5	1	
1G	25	-1690	504	-1628	0	89	57	23.3	78.7	56.6	0.0	106.2	3	
1H	25	-1690	983	-1628	0	89	-2495	23.3	348.4	56.6	0.0	371.7	1	
1I	25	-5675	340	2570	0	-149	1421	78.1	278.9	89.3	0.0	357.0	1	
1J	25	-5675	1146	2570	0	-149	-3859	78.1	548.6	89.3	0.0	626.7	1	
1K	25	-5675	340	-3090	0	168	1421	78.1	294.0	107.3	0.0	372.1	1	
1L	25	-5675	1146	-3090	0	168	-3859	78.1	563.8	107.3	0.0	641.8	1	
1M	25	-991	340	2570	0	-149	1421	13.6	278.9	89.3	0.0	292.5	1	
1N	25	-991	1146	2570	0	-149	-3859	13.6	548.6	89.3	0.0	562.3	1	
1O	25	-991	340	-3090	0	168	1421	13.6	294.0	107.3	0.0	307.7	1	
1P	25	-991	1146	-3090	0	168	-3859	13.6	563.8	107.3	0.0	577.4	1	
2	25	-8226	3122	-1683	0	77	-5472	113.1	668.0	116.8	0.0	781.1	1	
7	25	-6909	2507	-1474	0	69	-4500	95.0	554.4	93.8	0.0	649.4	1	
8	25	-7096	2479	-1243	0	55	-4331	97.6	524.1	92.7	0.0	621.7	1	

ASTA NUM. 13 NI 728 NF 739 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-870	-476	17	0	52	-11	12.0	43.2	17.8	0.0	55.2	1	
1B	0	-870	470	17	0	52	-74	12.0	50.2	17.6	0.0	62.2	1	

1C	0	-870	-476	-17	0	-54	-11	12.0	45.4	17.8	0.0	57.3	1
1D	0	-870	470	-17	0	-54	-74	12.0	52.4	17.6	0.0	64.3	1
1E	0	1252	-476	17	0	52	-11	17.2	43.2	17.8	0.0	60.4	1
1F	0	1252	470	17	0	52	-74	17.2	50.2	17.6	0.0	67.5	1
1G	0	1252	-476	-17	0	-54	-11	17.2	45.4	17.8	0.0	62.6	1
1H	0	1252	470	-17	0	-54	-74	17.2	52.4	17.6	0.0	69.6	1
1I	0	-218	-986	13	0	16	35	3.0	17.2	36.9	0.0	64.0	4
1J	0	-218	981	13	0	16	-120	3.0	26.6	36.7	0.0	63.7	4
1K	0	-218	-986	-13	0	-19	35	3.0	19.3	36.9	0.0	64.0	4
1L	0	-218	981	-13	0	-19	-120	3.0	28.7	36.7	0.0	63.7	4
1M	0	600	-986	13	0	16	35	8.3	17.2	36.9	0.0	64.5	4
1N	0	600	981	13	0	16	-120	8.3	26.6	36.7	0.0	64.2	4
1O	0	600	-986	-13	0	-19	35	8.3	19.3	36.9	0.0	64.5	4
1P	0	600	981	-13	0	-19	-120	8.3	28.7	36.7	0.0	64.2	4
2	0	1119	986	-3	0	-5	-102	15.4	15.4	36.9	0.0	65.7	4
7	0	945	853	-3	0	-4	-74	13.0	11.2	31.9	0.0	56.8	4
8	0	876	821	-2	0	-4	-79	12.1	12.0	30.7	0.0	54.6	4
1A	38	-871	-497	17	0	47	161	12.0	56.4	18.6	0.0	68.4	1
1B	38	-871	449	17	0	47	-256	12.0	66.9	16.8	0.0	78.9	1
1C	38	-871	-497	-17	0	-50	161	12.0	58.6	18.6	0.0	70.5	1
1D	38	-871	449	-17	0	-50	-256	12.0	69.1	16.8	0.0	81.0	1
1E	38	1251	-497	17	0	47	161	17.2	56.4	18.6	0.0	73.6	1
1F	38	1251	449	17	0	47	-256	17.2	66.9	16.8	0.0	84.2	1
1G	38	1251	-497	-17	0	-50	161	17.2	58.6	18.6	0.0	75.8	1
1H	38	1251	449	-17	0	-50	-256	17.2	69.1	16.8	0.0	86.3	1
1I	38	-219	-1008	13	0	18	399	3.0	58.6	37.7	0.0	67.3	3
1J	38	-219	959	13	0	18	-494	3.0	69.1	35.9	0.0	72.5	3
1K	38	-219	-1008	-13	0	-20	399	3.0	60.8	37.7	0.0	67.3	3
1L	38	-219	959	-13	0	-20	-494	3.0	71.3	35.9	0.0	74.3	1
1M	38	599	-1008	13	0	18	399	8.2	58.6	37.7	0.0	70.9	3
1N	38	599	959	13	0	18	-494	8.2	69.1	35.9	0.0	77.4	1
1O	38	599	-1008	-13	0	-20	399	8.2	60.8	37.7	0.0	70.9	3
1P	38	599	959	-13	0	-20	-494	8.2	71.3	35.9	0.0	79.5	1
2	38	1118	958	-3	0	-4	262	15.4	32.1	35.8	0.0	64.0	4
7	38	944	825	-3	0	-3	241	13.0	28.8	30.9	0.0	56.0	3
8	38	876	793	-2	0	-3	224	12.0	27.4	29.7	0.0	53.0	3
1A	75	-871	-518	17	0	43	324	12.0	71.1	19.4	0.0	83.1	1
1B	75	-871	427	17	0	43	-445	12.0	84.5	16.0	0.0	96.5	1
1C	75	-871	-518	-17	0	-46	324	12.0	73.3	19.4	0.0	85.3	1
1D	75	-871	427	-17	0	-46	-445	12.0	86.7	16.0	0.0	98.7	1
1E	75	1251	-518	17	0	43	324	17.2	71.1	19.4	0.0	88.3	1
1F	75	1251	427	17	0	43	-445	17.2	84.5	16.0	0.0	101.7	1
1G	75	1251	-518	-17	0	-46	324	17.2	73.3	19.4	0.0	90.5	1
1H	75	1251	427	-17	0	-46	-445	17.2	86.7	16.0	0.0	103.9	1
1I	75	-219	-1029	13	0	19	754	3.0	99.2	38.5	0.0	102.2	1
1J	75	-219	938	13	0	19	-876	3.0	112.6	35.1	0.0	115.6	1
1K	75	-219	-1029	-13	0	-22	754	3.0	101.3	38.5	0.0	104.3	1
1L	75	-219	938	-13	0	-22	-876	3.0	114.7	35.1	0.0	117.8	1
1M	75	599	-1029	13	0	19	754	8.2	99.2	38.5	0.0	107.4	1
1N	75	599	938	13	0	19	-876	8.2	112.6	35.1	0.0	120.8	1
1O	75	599	-1029	-13	0	-22	754	8.2	101.3	38.5	0.0	109.6	1
1P	75	599	938	-13	0	-22	-876	8.2	114.7	35.1	0.0	123.0	1
2	75	1118	930	-3	0	-3	616	15.4	70.3	34.8	0.0	91.5	3
7	75	943	797	-3	0	-1	546	13.0	61.4	29.8	0.0	79.8	3
8	75	875	766	-2	0	-2	517	12.0	59.2	28.6	0.0	75.6	3

ASTA NUM. 14 NI 398 NF 865 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-905	-73	683	0	338	299	12.5	308.3	23.7	0.0	320.8	1	
1B	0	-905	330	683	0	338	-215	12.5	299.0	23.7	0.0	311.4	1	
1C	0	-905	-73	-901	0	-446	299	12.5	397.0	31.3	0.0	409.4	1	
1D	0	-905	330	-901	0	-446	-215	12.5	387.6	31.3	0.0	400.1	1	
1E	0	1571	-73	683	0	338	299	21.6	308.3	23.7	0.0	329.9	1	
1F	0	1571	330	683	0	338	-215	21.6	299.0	23.7	0.0	320.6	1	
1G	0	1571	-73	-901	0	-446	299	21.6	397.0	31.3	0.0	418.6	1	
1H	0	1571	330	-901	0	-446	-215	21.6	387.6	31.3	0.0	409.3	1	
1I	0	-1363	-229	1201	0	779	474	18.7	687.1	41.7	0.0	705.8	1	
1J	0	-1363	486	1201	0	779	-390	18.7	677.8	41.7	0.0	696.5	1	
1K	0	-1363	-229	-1420	0	-888	474	18.7	775.7	49.3	0.0	794.5	1	
1L	0	-1363	486	-1420	0	-888	-390	18.7	766.4	49.3	0.0	785.2	1	
1M	0	2028	-229	1201	0	779	474	27.9	687.1	41.7	0.0	715.0	1	
1N	0	2028	486	1201	0	779	-390	27.9	677.8	41.7	0.0	705.7	1	
1O	0	2028	-229	-1420	0	-888	474	27.9	775.7	49.3	0.0	803.6	1	
1P	0	2028	486	-1420	0	-888	-390	27.9	766.4	49.3	0.0	794.3	1	
2	0	2733	761	-927	0	-522	-3	37.6	425.6	32.2	0.0	463.2	1	
7	0	2466	612	-870	0	-500	14	33.9	408.6	30.2	0.0	442.5	1	
8	0	2043	615	-660	0	-366	-33	28.1	301.9	23.0	0.0	330.0	1	
1A	13	-905	-80	683	0	254	290	12.5	239.3	23.7	0.0	251.8	1	
1B	13	-905	323	683	0	254	-174	12.5	226.5	23.7	0.0	239.0	1	
1C	13	-905	-80	-901	0	-336	290	12.5	305.7	31.3	0.0	318.2	1	
1D	13	-905	323	-901	0	-336	-174	12.5	292.9	31.3	0.0	305.4	1	
1E	13	1571	-80	683	0	254	290	21.6	239.3	23.7	0.0	260.9	1	
1F	13	1571	323	683	0	254	-174	21.6	226.5	23.7	0.0	248.1	1	
1G	13	1571	-80	-901	0	-336	290	21.6	305.7	31.3	0.0	327.3	1	
1H	13	1571	323	-901	0	-336	-174	21.6	292.9	31.3	0.0	314.5	1	
1I	13	-1363	-237	1201	0	630	445	18.7	562.3	41.7	0.0	581.1	1	

1J	13	-1363	479	1201	0	630	-329	18.7	549.5	41.7	0.0	568.3	1
1K	13	-1363	-237	-1420	0	-711	445	18.7	628.7	49.3	0.0	647.5	1
1L	13	-1363	479	-1420	0	-711	-329	18.7	615.9	49.3	0.0	634.7	1
1M	13	2028	-237	1201	0	630	445	27.9	562.3	41.7	0.0	590.2	1
1N	13	2028	479	1201	0	630	-329	27.9	549.5	41.7	0.0	577.4	1
1O	13	2028	-237	-1420	0	-711	445	27.9	628.7	49.3	0.0	656.6	1
1P	13	2028	479	-1420	0	-711	-329	27.9	615.9	49.3	0.0	643.8	1
2	13	2733	752	-927	0	-406	92	37.6	340.9	32.2	0.0	378.5	1
7	13	2466	602	-870	0	-391	89	33.9	328.3	30.2	0.0	362.2	1
8	13	2043	606	-660	0	-284	44	28.1	235.9	22.9	0.0	264.0	1
1A	25	-905	-88	683	0	171	279	12.4	170.2	23.7	0.0	182.6	1
1B	25	-905	316	683	0	171	-134	12.4	154.1	23.7	0.0	166.6	1
1C	25	-905	-88	-901	0	-225	279	12.4	214.3	31.3	0.0	226.8	1
1D	25	-905	316	-901	0	-225	-134	12.4	198.3	31.3	0.0	210.7	1
1E	25	1571	-88	683	0	171	279	21.6	170.2	23.7	0.0	191.8	1
1F	25	1571	316	683	0	171	-134	21.6	154.1	23.7	0.0	175.8	1
1G	25	1571	-88	-901	0	-225	279	21.6	214.3	31.3	0.0	235.9	1
1H	25	1571	316	-901	0	-225	-134	21.6	198.3	31.3	0.0	219.9	1
1I	25	-1362	-244	1201	0	480	415	18.7	437.5	41.7	0.0	456.2	1
1J	25	-1362	472	1201	0	480	-270	18.7	421.4	41.7	0.0	440.2	1
1K	25	-1362	-244	-1420	0	-535	415	18.7	481.6	49.3	0.0	500.4	1
1L	25	-1362	472	-1420	0	-535	-270	18.7	465.6	49.3	0.0	484.3	1
1M	25	2029	-244	1201	0	480	415	27.9	437.5	41.7	0.0	465.4	1
1N	25	2029	472	1201	0	480	-270	27.9	421.4	41.7	0.0	449.3	1
1O	25	2029	-244	-1420	0	-535	415	27.9	481.6	49.3	0.0	509.5	1
1P	25	2029	472	-1420	0	-535	-270	27.9	465.6	49.3	0.0	493.5	1
2	25	2733	743	-927	0	-290	185	37.6	256.8	32.2	0.0	294.4	1
7	25	2466	593	-870	0	-282	164	33.9	247.8	30.2	0.0	281.7	1
8	25	2043	597	-660	0	-201	119	28.1	176.9	22.9	0.0	205.1	1

ASTA NUM. 15 NI 727 NF 815 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5916	-140	15	0	14	1430	81.4	169.9	5.2	0.0	251.3	1	
1B	0	-5916	256	15	0	14	698	81.4	89.0	9.6	0.0	170.4	1	
1C	0	-5916	-140	-15	0	-47	1430	81.4	196.5	5.2	0.0	277.9	1	
1D	0	-5916	256	-15	0	-47	698	81.4	115.6	9.6	0.0	196.9	1	
1E	0	2904	-140	15	0	14	1430	39.9	169.9	5.2	0.0	209.9	1	
1F	0	2904	256	15	0	14	698	39.9	89.0	9.6	0.0	128.9	1	
1G	0	2904	-140	-15	0	-47	1430	39.9	196.5	5.2	0.0	236.5	1	
1H	0	2904	256	-15	0	-47	698	39.9	115.6	9.6	0.0	155.5	1	
1I	0	-3530	-367	5	0	-6	1250	48.6	143.2	13.7	0.0	191.7	1	
1J	0	-3530	483	5	0	-6	878	48.6	102.0	18.1	0.0	150.6	1	
1K	0	-3530	-367	-5	0	-27	1250	48.6	160.0	13.7	0.0	208.6	1	
1L	0	-3530	483	-5	0	-27	878	48.6	118.8	18.1	0.0	167.4	1	
1M	0	518	-367	5	0	-6	1250	7.1	143.2	13.7	0.0	150.3	1	
1N	0	518	483	5	0	-6	878	7.1	102.0	18.1	0.0	109.1	1	
1O	0	518	-367	-5	0	-27	1250	7.1	160.0	13.7	0.0	167.1	1	
1P	0	518	483	-5	0	-27	878	7.1	118.8	18.1	0.0	126.0	1	
2	0	-172	150	0	0	-89	4533	2.4	574.0	5.6	0.0	576.4	1	
7	0	-766	160	0	0	-68	3595	10.5	453.5	6.0	0.0	464.1	1	
8	0	-710	131	0	0	-69	3588	9.8	452.9	4.9	0.0	462.7	1	
1A	37	-5917	-161	15	0	9	1448	81.4	167.4	6.0	0.0	248.8	1	
1B	37	-5917	235	15	0	9	716	81.4	86.3	8.8	0.0	167.7	1	
1C	37	-5917	-161	-15	0	-42	1448	81.4	194.1	6.0	0.0	275.5	1	
1D	37	-5917	235	-15	0	-42	716	81.4	113.0	8.8	0.0	194.4	1	
1E	37	2904	-161	15	0	9	1448	39.9	167.4	6.0	0.0	207.3	1	
1F	37	2904	235	15	0	9	716	39.9	86.3	8.8	0.0	126.2	1	
1G	37	2904	-161	-15	0	-42	1448	39.9	194.1	6.0	0.0	234.0	1	
1H	37	2904	235	-15	0	-42	716	39.9	113.0	8.8	0.0	153.0	1	
1I	37	-3531	-388	5	0	-8	1340	48.6	154.7	14.5	0.0	203.3	1	
1J	37	-3531	462	5	0	-8	824	48.6	97.6	17.3	0.0	146.1	1	
1K	37	-3531	-388	-5	0	-25	1340	48.6	168.6	14.5	0.0	217.1	1	
1L	37	-3531	462	-5	0	-25	824	48.6	111.4	17.3	0.0	160.0	1	
1M	37	518	-388	5	0	-8	1340	7.1	154.7	14.5	0.0	161.8	1	
1N	37	518	462	5	0	-8	824	7.1	97.6	17.3	0.0	104.7	1	
1O	37	518	-388	-5	0	-25	1340	7.1	168.6	14.5	0.0	175.7	1	
1P	37	518	462	-5	0	-25	824	7.1	111.4	17.3	0.0	118.5	1	
2	37	-172	122	0	0	-89	4584	2.4	579.7	4.6	0.0	582.1	1	
7	37	-766	133	0	0	-69	3650	10.5	459.7	5.0	0.0	470.2	1	
8	37	-710	104	0	0	-69	3632	9.8	457.9	3.9	0.0	467.6	1	
1A	75	-5917	-183	15	0	3	1459	81.4	163.9	6.8	0.0	245.3	1	
1B	75	-5917	213	15	0	3	725	81.4	82.7	8.0	0.0	164.1	1	
1C	75	-5917	-183	-15	0	-36	1459	81.4	190.8	6.8	0.0	272.2	1	
1D	75	-5917	213	-15	0	-36	725	81.4	109.6	8.0	0.0	191.0	1	
1E	75	2903	-183	15	0	3	1459	39.9	163.9	6.8	0.0	203.9	1	
1F	75	2903	213	15	0	3	725	39.9	82.7	8.0	0.0	122.7	1	
1G	75	2903	-183	-15	0	-36	1459	39.9	190.8	6.8	0.0	230.7	1	
1H	75	2903	213	-15	0	-36	725	39.9	109.6	8.0	0.0	149.5	1	
1I	75	-3531	-410	5	0	-10	1423	48.6	165.4	15.3	0.0	214.0	1	
1J	75	-3531	440	5	0	-10	761	48.6	92.2	16.5	0.0	140.8	1	
1K	75	-3531	-410	-5	0	-23	1423	48.6	176.2	15.3	0.0	224.8	1	
1L	75	-3531	440	-5	0	-23	761	48.6	103.1	16.5	0.0	151.7	1	
1M	75	517	-410	5	0	-10	1423	7.1	165.4	15.3	0.0	172.5	1	
1N	75	517	440	5	0	-10	761	7.1	92.2	16.5	0.0	99.4	1	
1O	75	517	-410	-5	0	-23	1423	7.1	176.2	15.3	0.0	183.3	1	
1P	75	517	440	-5	0	-23	761	7.1	103.1	16.5	0.0	110.2	1	

2	75	-173	94	0	0	-89	4624	2.4	584.3	3.5	0.0	586.7	1
7	75	-767	105	0	0	-69	3694	10.5	464.7	3.9	0.0	475.2	1
8	75	-711	76	0	0	-69	3665	9.8	461.7	2.8	0.0	471.5	1

ASTA NUM. 16 NI 403 NF 817 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4835	506	1619	0	317	-33	66.5	261.9	56.2	0.0	328.4	1	
1B	0	-4835	995	1619	0	317	-2735	66.5	560.8	56.2	0.0	627.3	1	
1C	0	-4835	506	-1083	0	-202	-33	66.5	168.5	37.6	0.0	235.0	1	
1D	0	-4835	995	-1083	0	-202	-2735	66.5	467.3	37.6	0.0	533.8	1	
1E	0	-2033	506	1619	0	317	-33	28.0	261.9	56.2	0.0	289.9	1	
1F	0	-2033	995	1619	0	317	-2735	28.0	560.8	56.2	0.0	588.8	1	
1G	0	-2033	506	-1083	0	-202	-33	28.0	168.5	37.6	0.0	196.4	1	
1H	0	-2033	995	-1083	0	-202	-2735	28.0	467.3	37.6	0.0	495.3	1	
1I	0	-5696	347	3072	0	602	1357	78.3	640.6	106.7	0.0	719.0	1	
1J	0	-5696	1154	3072	0	602	-4125	78.3	946.9	106.7	0.0	1025.2	1	
1K	0	-5696	347	-2536	0	-487	1357	78.3	547.2	88.1	0.0	625.5	1	
1L	0	-5696	1154	-2536	0	-487	-4125	78.3	853.4	88.1	0.0	931.7	1	
1M	0	-1172	347	3072	0	602	1357	16.1	640.6	106.7	0.0	656.8	1	
1N	0	-1172	1154	3072	0	602	-4125	16.1	946.9	106.7	0.0	963.0	1	
1O	0	-1172	347	-2536	0	-487	1357	16.1	547.2	88.1	0.0	563.3	1	
1P	0	-1172	1154	-2536	0	-487	-4125	16.1	853.4	88.1	0.0	869.5	1	
2	0	-8336	3133	1694	0	346	-6234	114.7	972.0	117.2	0.0	1086.7	1	
7	0	-7030	2518	1483	0	301	-5107	96.7	810.5	94.2	0.0	907.2	1	
8	0	-7211	2490	1255	0	258	-4929	99.2	755.6	93.1	0.0	854.8	1	
1A	13	-4835	499	1619	0	114	30	66.5	96.6	56.2	0.0	163.1	1	
1B	13	-4835	988	1619	0	114	-2612	66.5	382.2	56.2	0.0	448.7	1	
1C	13	-4835	499	-1083	0	-67	30	66.5	57.8	37.6	0.0	124.3	1	
1D	13	-4835	988	-1083	0	-67	-2612	66.5	343.3	37.6	0.0	409.8	1	
1E	13	-2033	499	1619	0	114	30	28.0	96.6	56.2	0.0	124.6	1	
1F	13	-2033	988	1619	0	114	-2612	28.0	382.2	56.2	0.0	410.2	1	
1G	13	-2033	499	-1083	0	-67	30	28.0	57.8	37.6	0.0	85.7	1	
1H	13	-2033	988	-1083	0	-67	-2612	28.0	343.3	37.6	0.0	371.3	1	
1I	13	-5696	340	3072	0	218	1400	78.3	332.4	106.7	0.0	410.8	1	
1J	13	-5696	1147	3072	0	218	-3981	78.3	618.0	106.7	0.0	696.4	1	
1K	13	-5696	340	-2536	0	-170	1400	78.3	293.6	88.1	0.0	371.9	1	
1L	13	-5696	1147	-2536	0	-170	-3981	78.3	579.1	88.1	0.0	657.5	1	
1M	13	-1172	340	3072	0	218	1400	16.1	332.4	106.7	0.0	348.6	1	
1N	13	-1172	1147	3072	0	218	-3981	16.1	618.0	106.7	0.0	634.1	1	
1O	13	-1172	340	-2536	0	-170	1400	16.1	293.6	88.1	0.0	309.7	1	
1P	13	-1172	1147	-2536	0	-170	-3981	16.1	579.1	88.1	0.0	595.2	1	
2	13	-8336	3124	1694	0	135	-5843	114.7	756.1	116.9	0.0	870.8	1	
7	13	-7030	2508	1483	0	116	-4793	96.7	624.6	93.8	0.0	721.3	1	
8	13	-7211	2480	1255	0	101	-4618	99.2	593.4	92.8	0.0	692.6	1	
1A	25	-4835	492	1619	0	-88	93	66.5	82.0	56.2	0.0	148.5	1	
1B	25	-4835	980	1619	0	-88	-2489	66.5	347.1	56.2	0.0	413.6	1	
1C	25	-4835	492	-1083	0	69	93	66.5	66.3	37.6	0.0	132.8	1	
1D	25	-4835	980	-1083	0	69	-2489	66.5	331.4	37.6	0.0	397.9	1	
1E	25	-2033	492	1619	0	-88	93	28.0	82.0	56.2	0.0	110.0	1	
1F	25	-2033	980	1619	0	-88	-2489	28.0	347.1	56.2	0.0	375.1	1	
1G	25	-2033	492	-1083	0	69	93	28.0	66.3	37.6	0.0	94.3	1	
1H	25	-2033	980	-1083	0	69	-2489	28.0	331.4	37.6	0.0	359.4	1	
1I	25	-5696	333	3072	0	-166	1443	78.3	295.0	106.7	0.0	373.4	1	
1J	25	-5696	1140	3072	0	-166	-3839	78.3	560.1	106.7	0.0	638.5	1	
1K	25	-5696	333	-2536	0	147	1443	78.3	279.3	88.1	0.0	357.7	1	
1L	25	-5696	1140	-2536	0	147	-3839	78.3	544.4	88.1	0.0	622.7	1	
1M	25	-1172	333	3072	0	-166	1443	16.1	295.0	106.7	0.0	311.2	1	
1N	25	-1172	1140	3072	0	-166	-3839	16.1	560.1	106.7	0.0	576.2	1	
1O	25	-1172	333	-2536	0	147	1443	16.1	279.3	88.1	0.0	295.4	1	
1P	25	-1172	1140	-2536	0	147	-3839	16.1	544.4	88.1	0.0	560.5	1	
2	25	-8335	3115	1694	0	-77	-5453	114.6	666.2	116.5	0.0	780.9	1	
7	25	-7029	2499	1483	0	-70	-4480	96.7	552.4	93.5	0.0	649.1	1	
8	25	-7211	2471	1255	0	-56	-4309	99.2	522.1	92.4	0.0	621.3	1	

ASTA NUM. 17 NI 726 NF 825 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6272	-79	19	0	51	3478	86.3	426.2	2.9	0.0	512.5	1	
1B	0	-6272	180	19	0	51	1102	86.3	163.4	6.7	0.0	249.7	1	
1C	0	-6272	-79	-18	0	-44	3478	86.3	420.7	2.9	0.0	507.0	1	
1D	0	-6272	180	-18	0	-44	1102	86.3	157.9	6.7	0.0	244.2	1	
1E	0	2318	-79	19	0	51	3478	31.9	426.2	2.9	0.0	458.1	1	
1F	0	2318	180	19	0	51	1102	31.9	163.4	6.7	0.0	195.3	1	
1G	0	2318	-79	-18	0	-44	3478	31.9	420.7	2.9	0.0	452.6	1	
1H	0	2318	180	-18	0	-44	1102	31.9	157.9	6.7	0.0	189.8	1	
1I	0	-3352	-27	19	0	19	2676	46.1	311.7	1.0	0.0	357.8	1	
1J	0	-3352	129	19	0	19	1904	46.1	226.2	4.8	0.0	272.3	1	
1K	0	-3352	-27	-18	0	-12	2676	46.1	306.2	1.0	0.0	352.3	1	
1L	0	-3352	129	-18	0	-12	1904	46.1	220.7	4.8	0.0	266.8	1	

1M	0	-602	-27	19	0	19	2676	8.3	311.7	1.0	0.0	320.0	1
1N	0	-602	129	19	0	19	1904	8.3	226.2	4.8	0.0	234.4	1
1O	0	-602	-27	-18	0	-12	2676	8.3	306.2	1.0	0.0	314.4	1
1P	0	-602	129	-18	0	-12	1904	8.3	220.7	4.8	0.0	228.9	1
2	0	-9035	239	-2	0	12	10880	124.3	1213.4	9.0	0.0	1337.7	1
7	0	-7080	190	-2	0	10	8527	97.4	951.2	7.1	0.0	1048.6	1
8	0	-7096	188	-1	0	10	8512	97.6	949.6	7.0	0.0	1047.2	1
1A	37	-6273	-100	19	0	47	3456	86.3	420.7	3.7	0.0	507.0	1
1B	37	-6273	159	19	0	47	1154	86.3	166.1	5.9	0.0	252.3	1
1C	37	-6273	-100	-18	0	-41	3456	86.3	415.4	3.7	0.0	501.6	1
1D	37	-6273	159	-18	0	-41	1154	86.3	160.7	5.9	0.0	247.0	1
1E	37	2318	-100	19	0	47	3456	31.9	420.7	3.7	0.0	452.6	1
1F	37	2318	159	19	0	47	1154	31.9	166.1	5.9	0.0	197.9	1
1G	37	2318	-100	-18	0	-41	3456	31.9	415.4	3.7	0.0	447.2	1
1H	37	2318	159	-18	0	-41	1154	31.9	160.7	5.9	0.0	192.6	1
1I	37	-3352	-49	19	0	23	2683	46.1	315.2	1.8	0.0	361.3	1
1J	37	-3352	107	19	0	23	1927	46.1	231.6	4.0	0.0	277.7	1
1K	37	-3352	-49	-18	0	-16	2683	46.1	309.8	1.8	0.0	355.9	1
1L	37	-3352	107	-18	0	-16	1927	46.1	226.2	4.0	0.0	272.4	1
1M	37	-603	-49	19	0	23	2683	8.3	315.2	1.8	0.0	323.5	1
1N	37	-603	107	19	0	23	1927	8.3	231.6	4.0	0.0	239.9	1
1O	37	-603	-49	-18	0	-16	2683	8.3	309.8	1.8	0.0	318.1	1
1P	37	-603	107	-18	0	-16	1927	8.3	226.2	4.0	0.0	234.5	1
2	37	-9036	212	-2	0	13	10965	124.3	1223.5	7.9	0.0	1347.8	1
7	37	-7080	162	-2	0	10	8593	97.4	959.2	6.1	0.0	1056.6	1
8	37	-7096	160	-1	0	10	8577	97.6	957.2	6.0	0.0	1054.8	1
1A	75	-6273	-121	19	0	43	3426	86.3	414.2	4.5	0.0	500.5	1
1B	75	-6273	137	19	0	43	1198	86.3	167.8	5.1	0.0	254.1	1
1C	75	-6273	-121	-18	0	-37	3426	86.3	409.1	4.5	0.0	495.4	1
1D	75	-6273	137	-18	0	-37	1198	86.3	162.7	5.1	0.0	249.0	1
1E	75	2317	-121	19	0	43	3426	31.9	414.2	4.5	0.0	446.1	1
1F	75	2317	137	19	0	43	1198	31.9	167.8	5.1	0.0	199.7	1
1G	75	2317	-121	-18	0	-37	3426	31.9	409.1	4.5	0.0	441.0	1
1H	75	2317	137	-18	0	-37	1198	31.9	162.7	5.1	0.0	194.6	1
1I	75	-3353	-70	19	0	26	2681	46.1	317.8	2.6	0.0	363.9	1
1J	75	-3353	86	19	0	26	1943	46.1	236.1	3.2	0.0	282.2	1
1K	75	-3353	-70	-18	0	-20	2681	46.1	312.6	2.6	0.0	358.7	1
1L	75	-3353	86	-18	0	-20	1943	46.1	230.9	3.2	0.0	277.1	1
1M	75	-603	-70	19	0	26	2681	8.3	317.8	2.6	0.0	326.1	1
1N	75	-603	86	19	0	26	1943	8.3	236.1	3.2	0.0	244.4	1
1O	75	-603	-70	-18	0	-20	2681	8.3	312.6	2.6	0.0	320.9	1
1P	75	-603	86	-18	0	-20	1943	8.3	230.9	3.2	0.0	239.2	1
2	75	-9036	184	-2	0	14	11040	124.3	1232.5	6.9	0.0	1356.8	1
7	75	-7081	134	-2	0	11	8648	97.4	966.1	5.0	0.0	1063.5	1
8	75	-7097	132	-1	0	11	8632	97.6	963.6	4.9	0.0	1061.2	1

ASTA NUM. 18 NI 402 NF 827 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1642	571	1438	0	530	-3	22.6	432.3	49.9	0.0	454.9	1	
1B	0	-1642	1056	1438	0	530	-17	22.6	433.8	49.9	0.0	456.4	1	
1C	0	-1642	571	-1121	0	-477	-3	22.6	389.3	38.9	0.0	411.9	1	
1D	0	-1642	1056	-1121	0	-477	-17	22.6	390.9	39.5	0.0	413.5	1	
1E	0	1322	571	1438	0	530	-3	18.2	432.3	49.9	0.0	450.5	1	
1F	0	1322	1056	1438	0	530	-17	18.2	433.8	49.9	0.0	452.0	1	
1G	0	1322	571	-1121	0	-477	-3	18.2	389.3	38.9	0.0	407.5	1	
1H	0	1322	1056	-1121	0	-477	-17	18.2	390.9	39.5	0.0	409.1	1	
1I	0	-3705	705	1241	0	827	-1	51.0	674.3	43.1	0.0	725.2	1	
1J	0	-3705	922	1241	0	827	-19	51.0	676.2	43.1	0.0	727.2	1	
1K	0	-3705	705	-924	0	-774	-1	51.0	631.3	32.1	0.0	682.3	1	
1L	0	-3705	922	-924	0	-774	-19	51.0	633.3	34.5	0.0	684.2	1	
1M	0	3385	705	1241	0	827	-1	46.6	674.3	43.1	0.0	720.8	1	
1N	0	3385	922	1241	0	827	-19	46.6	676.2	43.1	0.0	722.8	1	
1O	0	3385	705	-924	0	-774	-1	46.6	631.3	32.1	0.0	677.9	1	
1P	0	3385	922	-924	0	-774	-19	46.6	633.3	34.5	0.0	679.8	1	
2	0	-1282	3969	687	0	3	-50	17.6	7.7	148.5	0.0	257.8	4	
7	0	-1139	3097	573	0	-19	-39	15.7	19.6	115.8	0.0	201.3	4	
8	0	-926	3095	536	0	18	-39	12.7	18.8	115.8	0.0	201.0	4	
1A	13	-1642	564	1438	0	361	66	22.6	301.4	49.9	0.0	324.0	1	
1B	13	-1642	1049	1438	0	361	117	22.6	307.1	49.9	0.0	329.7	1	
1C	13	-1642	564	-1121	0	-348	66	22.6	290.8	38.9	0.0	313.4	1	
1D	13	-1642	1049	-1121	0	-348	117	22.6	296.4	39.2	0.0	319.0	1	
1E	13	1323	564	1438	0	361	66	18.2	301.4	49.9	0.0	319.6	1	
1F	13	1323	1049	1438	0	361	117	18.2	307.1	49.9	0.0	325.3	1	
1G	13	1323	564	-1121	0	-348	66	18.2	290.8	38.9	0.0	309.0	1	
1H	13	1323	1049	-1121	0	-348	117	18.2	296.4	39.2	0.0	314.6	1	
1I	13	-3705	698	1241	0	679	112	51.0	566.1	43.1	0.0	617.0	1	
1J	13	-3705	915	1241	0	679	70	51.0	561.5	43.1	0.0	612.4	1	
1K	13	-3705	698	-924	0	-666	112	51.0	555.4	32.1	0.0	606.4	1	
1L	13	-3705	915	-924	0	-666	70	51.0	550.8	34.2	0.0	601.8	1	
1M	13	3385	698	1241	0	679	112	46.6	566.1	43.1	0.0	612.6	1	
1N	13	3385	915	1241	0	679	70	46.6	561.5	43.1	0.0	608.0	1	
1O	13	3385	698	-924	0	-666	112	46.6	555.4	32.1	0.0	602.0	1	
1P	13	3385	915	-924	0	-666	70	46.6	550.8	34.2	0.0	597.4	1	
2	13	-1282	3960	687	0	-83	446	17.6	117.1	148.1	0.0	257.4	4	
7	13	-1139	3088	573	0	-90	347	15.7	112.1	115.5	0.0	201.0	4	
8	13	-926	3086	536	0	-49	347	12.7	78.6	115.4	0.0	200.5	4	

1A	25	-1642	556	1438	0	192	133	22.6	171.1	49.9	0.0	193.7	1
1B	25	-1642	1042	1438	0	192	250	22.6	184.0	49.9	0.0	206.6	1
1C	25	-1642	556	-1121	0	-218	133	22.6	192.7	38.9	0.0	215.3	1
1D	25	-1642	1042	-1121	0	-218	250	22.6	205.6	39.0	0.0	228.2	1
1E	25	1323	556	1438	0	192	133	18.2	171.1	49.9	0.0	189.3	1
1F	25	1323	1042	1438	0	192	250	18.2	184.0	49.9	0.0	202.2	1
1G	25	1323	556	-1121	0	-218	133	18.2	192.7	38.9	0.0	210.9	1
1H	25	1323	1042	-1121	0	-218	250	18.2	205.6	39.0	0.0	223.8	1
1I	25	-3704	690	1241	0	532	225	51.0	458.1	43.1	0.0	509.0	1
1J	25	-3704	908	1241	0	532	159	51.0	450.8	43.1	0.0	501.7	1
1K	25	-3704	690	-924	0	-558	225	51.0	479.7	32.1	0.0	530.6	1
1L	25	-3704	908	-924	0	-558	159	51.0	472.4	34.0	0.0	523.3	1
1M	25	3386	690	1241	0	532	225	46.6	458.1	43.1	0.0	504.6	1
1N	25	3386	908	1241	0	532	159	46.6	450.8	43.1	0.0	497.3	1
1O	25	3386	690	-924	0	-558	225	46.6	479.7	32.1	0.0	526.2	1
1P	25	3386	908	-924	0	-558	159	46.6	472.4	34.0	0.0	519.0	1
2	25	-1281	3951	687	0	-169	940	17.6	241.8	147.8	0.0	259.4	1
7	25	-1139	3079	573	0	-162	733	15.7	213.2	115.2	0.0	228.8	1
8	25	-926	3077	536	0	-116	733	12.7	175.8	115.1	0.0	200.1	4

ASTA NUM. 19 NI 725 NF 835 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-727	-121	24	0	69	2072	10.0	285.7	4.5	0.0	295.7	1	
1B	0	-727	136	24	0	69	1906	10.0	267.3	5.1	0.0	277.3	1	
1C	0	-727	-121	-23	0	-62	2072	10.0	279.4	4.5	0.0	289.4	1	
1D	0	-727	136	-23	0	-62	1906	10.0	261.0	5.1	0.0	271.0	1	
1E	0	72	-121	24	0	69	2072	1.0	285.7	4.5	0.0	286.7	1	
1F	0	72	136	24	0	69	1906	1.0	267.3	5.1	0.0	268.3	1	
1G	0	72	-121	-23	0	-62	2072	1.0	279.4	4.5	0.0	280.4	1	
1H	0	72	136	-23	0	-62	1906	1.0	261.0	5.1	0.0	262.0	1	
1I	0	-667	-289	32	0	26	2050	9.2	247.6	10.8	0.0	256.8	1	
1J	0	-667	303	32	0	26	1928	9.2	234.1	11.3	0.0	243.3	1	
1K	0	-667	-289	-32	0	-18	2050	9.2	241.3	10.8	0.0	250.5	1	
1L	0	-667	303	-32	0	-18	1928	9.2	227.8	11.3	0.0	237.0	1	
1M	0	13	-289	32	0	26	2050	0.2	247.6	10.8	0.0	247.8	1	
1N	0	13	303	32	0	26	1928	0.2	234.1	11.3	0.0	234.3	1	
1O	0	13	-289	-32	0	-18	2050	0.2	241.3	10.8	0.0	241.5	1	
1P	0	13	303	-32	0	-18	1928	0.2	227.8	11.3	0.0	228.0	1	
2	0	-812	117	-6	0	21	9704	11.2	1090.6	4.4	0.0	1101.8	1	
7	0	-509	102	-7	0	16	7615	7.0	855.8	3.8	0.0	862.8	1	
8	0	-692	90	-4	0	16	7569	9.5	850.5	3.4	0.0	860.1	1	
1A	37	-727	-143	24	0	67	2104	10.0	287.3	5.3	0.0	297.3	1	
1B	37	-727	114	24	0	67	1871	10.0	261.6	4.3	0.0	271.6	1	
1C	37	-727	-143	-23	0	-59	2104	10.0	281.1	5.3	0.0	291.1	1	
1D	37	-727	114	-23	0	-59	1871	10.0	255.4	4.3	0.0	265.4	1	
1E	37	72	-143	24	0	67	2104	1.0	287.3	5.3	0.0	288.3	1	
1F	37	72	114	24	0	67	1871	1.0	261.6	4.3	0.0	262.6	1	
1G	37	72	-143	-23	0	-59	2104	1.0	281.1	5.3	0.0	282.0	1	
1H	37	72	114	-23	0	-59	1871	1.0	255.4	4.3	0.0	256.3	1	
1I	37	-668	-310	32	0	34	2134	9.2	263.8	11.6	0.0	273.0	1	
1J	37	-668	282	32	0	34	1841	9.2	231.4	10.5	0.0	240.6	1	
1K	37	-668	-310	-32	0	-26	2134	9.2	257.6	11.6	0.0	266.8	1	
1L	37	-668	282	-32	0	-26	1841	9.2	225.2	10.5	0.0	234.4	1	
1M	37	12	-310	32	0	34	2134	0.2	263.8	11.6	0.0	264.0	1	
1N	37	12	282	32	0	34	1841	0.2	231.4	10.5	0.0	231.6	1	
1O	37	12	-310	-32	0	-26	2134	0.2	257.6	11.6	0.0	257.8	1	
1P	37	12	282	-32	0	-26	1841	0.2	225.2	10.5	0.0	225.4	1	
2	37	-813	89	-6	0	23	9743	11.2	1096.8	3.3	0.0	1108.0	1	
7	37	-510	74	-7	0	19	7648	7.0	861.5	2.8	0.0	868.5	1	
8	37	-692	62	-4	0	18	7598	9.5	854.9	2.3	0.0	864.4	1	
1A	75	-728	-164	24	0	65	2127	10.0	287.9	6.1	0.0	297.9	1	
1B	75	-728	93	24	0	65	1829	10.0	255.0	3.5	0.0	265.0	1	
1C	75	-728	-164	-23	0	-57	2127	10.0	281.8	6.1	0.0	291.8	1	
1D	75	-728	93	-23	0	-57	1829	10.0	248.8	3.5	0.0	258.8	1	
1E	75	71	-164	24	0	65	2127	1.0	287.9	6.1	0.0	288.9	1	
1F	75	71	93	24	0	65	1829	1.0	255.0	3.5	0.0	255.9	1	
1G	75	71	-164	-23	0	-57	2127	1.0	281.8	6.1	0.0	282.8	1	
1H	75	71	93	-23	0	-57	1829	1.0	248.8	3.5	0.0	249.8	1	
1I	75	-668	-332	32	0	43	2210	9.2	279.1	12.4	0.0	288.3	1	
1J	75	-668	261	32	0	43	1746	9.2	227.9	9.7	0.0	237.1	1	
1K	75	-668	-332	-32	0	-35	2210	9.2	273.0	12.4	0.0	282.2	1	
1L	75	-668	261	-32	0	-35	1746	9.2	221.7	9.7	0.0	230.9	1	
1M	75	12	-332	32	0	43	2210	0.2	279.1	12.4	0.0	279.3	1	
1N	75	12	261	32	0	43	1746	0.2	227.9	9.7	0.0	228.0	1	
1O	75	12	-332	-32	0	-35	2210	0.2	273.0	12.4	0.0	273.2	1	
1P	75	12	261	-32	0	-35	1746	0.2	221.7	9.7	0.0	221.9	1	
2	75	-814	61	-6	0	26	9771	11.2	1101.8	2.3	0.0	1113.0	1	
7	75	-511	46	-7	0	21	7671	7.0	866.0	1.7	0.0	873.0	1	
8	75	-693	35	-4	0	19	7616	9.5	858.1	1.3	0.0	867.6	1	

ASTA NUM. 20 NI 401 NF 837 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-939	1069	2350	0	919	-1230	12.9	884.9	81.6	0.0	897.8	1	
1B	0	-939	1325	2350	0	919	-2788	12.9	1057.2	81.6	0.0	1070.2	1	
1C	0	-939	1069	-2405	0	-944	-1230	12.9	905.6	83.5	0.0	918.5	1	
1D	0	-939	1325	-2405	0	-944	-2788	12.9	1077.9	83.5	0.0	1090.8	1	
1E	0	226	1069	2350	0	919	-1230	3.1	884.9	81.6	0.0	888.0	1	
1F	0	226	1325	2350	0	919	-2788	3.1	1057.2	81.6	0.0	1060.4	1	
1G	0	226	1069	-2405	0	-944	-1230	3.1	905.6	83.5	0.0	908.7	1	
1H	0	226	1325	-2405	0	-944	-2788	3.1	1077.9	83.5	0.0	1081.0	1	
1I	0	-1070	889	5205	0	2176	-10	14.7	1774.4	180.8	0.0	1789.1	1	
1J	0	-1070	1505	5205	0	2176	-4008	14.7	2216.7	180.8	0.0	2231.5	1	
1K	0	-1070	889	-5260	0	-2201	-10	14.7	1795.1	182.7	0.0	1809.8	1	
1L	0	-1070	1505	-5260	0	-2201	-4008	14.7	2237.4	182.7	0.0	2252.1	1	
1M	0	357	889	5205	0	2176	-10	4.9	1774.4	180.8	0.0	1779.3	1	
1N	0	357	1505	5205	0	2176	-4008	4.9	2216.7	180.8	0.0	2221.6	1	
1O	0	357	889	-5260	0	-2201	-10	4.9	1795.1	182.7	0.0	1800.0	1	
1P	0	357	1505	-5260	0	-2201	-4008	4.9	2237.4	182.7	0.0	2242.3	1	
2	0	-956	5989	-1177	0	-509	-10330	13.1	1557.3	224.0	0.0	1570.5	1	
7	0	-619	4686	-1230	0	-530	-8142	8.5	1332.9	175.3	0.0	1341.5	1	
8	0	-804	4666	-759	0	-329	-8055	11.1	1159.0	174.5	0.0	1170.1	1	
1A	13	-939	1062	2350	0	627	-1097	12.9	632.7	81.6	0.0	645.6	1	
1B	13	-939	1318	2350	0	627	-2624	12.9	801.6	81.6	0.0	814.5	1	
1C	13	-939	1062	-2405	0	-646	-1097	12.9	647.7	83.5	0.0	660.6	1	
1D	13	-939	1318	-2405	0	-646	-2624	12.9	816.6	83.5	0.0	829.5	1	
1E	13	226	1062	2350	0	627	-1097	3.1	632.7	81.6	0.0	635.8	1	
1F	13	226	1318	2350	0	627	-2624	3.1	801.6	81.6	0.0	804.7	1	
1G	13	226	1062	-2405	0	-646	-1097	3.1	647.7	83.5	0.0	650.8	1	
1H	13	226	1318	-2405	0	-646	-2624	3.1	816.6	83.5	0.0	819.7	1	
1I	13	-1069	882	5205	0	1526	101	14.7	1255.1	180.8	0.0	1269.8	1	
1J	13	-1069	1498	5205	0	1526	-3821	14.7	1666.6	180.8	0.0	1681.3	1	
1K	13	-1069	882	-5260	0	-1545	101	14.7	1270.1	182.7	0.0	1284.8	1	
1L	13	-1069	1498	-5260	0	-1545	-3821	14.7	1681.6	182.7	0.0	1696.3	1	
1M	13	357	882	5205	0	1526	101	4.9	1255.1	180.8	0.0	1260.0	1	
1N	13	357	1498	5205	0	1526	-3821	4.9	1666.6	180.8	0.0	1671.5	1	
1O	13	357	882	-5260	0	-1545	101	4.9	1270.1	182.7	0.0	1275.0	1	
1P	13	357	1498	-5260	0	-1545	-3821	4.9	1681.6	182.7	0.0	1686.5	1	
2	13	-956	5980	-1177	0	-361	-9579	13.1	1354.4	223.7	0.0	1367.5	1	
7	13	-618	4676	-1230	0	-377	-7556	8.5	1142.9	174.9	0.0	1151.4	1	
8	13	-804	4657	-759	0	-234	-7472	11.1	1017.2	174.2	0.0	1028.3	1	
1A	25	-939	1055	2350	0	336	-964	12.9	380.5	81.6	0.0	393.4	1	
1B	25	-939	1311	2350	0	336	-2460	12.9	546.1	81.6	0.0	559.0	1	
1C	25	-939	1055	-2405	0	-348	-964	12.9	389.9	83.5	0.0	402.8	1	
1D	25	-939	1311	-2405	0	-348	-2460	12.9	555.4	83.5	0.0	568.4	1	
1E	25	227	1055	2350	0	336	-964	3.1	380.5	81.6	0.0	383.6	1	
1F	25	227	1311	2350	0	336	-2460	3.1	546.1	81.6	0.0	549.2	1	
1G	25	227	1055	-2405	0	-348	-964	3.1	389.9	83.5	0.0	393.0	1	
1H	25	227	1311	-2405	0	-348	-2460	3.1	555.4	83.5	0.0	558.6	1	
1I	25	-1069	875	5205	0	877	211	14.7	737.8	180.8	0.0	752.5	1	
1J	25	-1069	1491	5205	0	877	-3635	14.7	1116.6	180.8	0.0	1131.3	1	
1K	25	-1069	875	-5260	0	-888	211	14.7	747.2	182.7	0.0	761.9	1	
1L	25	-1069	1491	-5260	0	-888	-3635	14.7	1126.0	182.7	0.0	1140.7	1	
1M	25	357	875	5205	0	877	211	4.9	737.8	180.8	0.0	742.7	1	
1N	25	357	1491	5205	0	877	-3635	4.9	1116.6	180.8	0.0	1121.5	1	
1O	25	357	875	-5260	0	-888	211	4.9	747.2	182.7	0.0	752.1	1	
1P	25	357	1491	-5260	0	-888	-3635	4.9	1126.0	182.7	0.0	1130.9	1	
2	25	-955	5970	-1177	0	-214	-8830	13.1	1151.5	223.3	0.0	1164.7	1	
7	25	-618	4667	-1230	0	-223	-6972	8.5	952.9	174.6	0.0	961.4	1	
8	25	-804	4648	-759	0	-139	-6891	11.1	875.6	173.9	0.0	886.6	1	

ASTA NUM. 21 NI 723 NF 845 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6509	-79	20	0	51	3522	89.5	431.1	2.9	0.0	520.6	1	
1B	0	-6509	171	20	0	51	1224	89.5	177.0	6.4	0.0	266.5	1	
1C	0	-6509	-79	-20	0	-48	3522	89.5	428.4	2.9	0.0	517.9	1	
1D	0	-6509	171	-20	0	-48	1224	89.5	174.2	6.4	0.0	263.8	1	
1E	0	2831	-79	20	0	51	3522	38.9	431.1	2.9	0.0	470.1	1	
1F	0	2831	171	20	0	51	1224	38.9	177.0	6.4	0.0	215.9	1	
1G	0	2831	-79	-20	0	-48	3522	38.9	428.4	2.9	0.0	467.3	1	
1H	0	2831	171	-20	0	-48	1224	38.9	174.2	6.4	0.0	213.2	1	
1I	0	-3450	-8	20	0	18	2747	47.5	318.7	0.7	0.0	366.2	1	
1J	0	-3450	101	20	0	18	1999	47.5	236.1	3.8	0.0	283.5	1	
1K	0	-3450	-8	-20	0	-15	2747	47.5	316.0	0.7	0.0	363.5	1	
1L	0	-3450	101	-20	0	-15	1999	47.5	233.3	3.8	0.0	280.8	1	
1M	0	-228	-8	20	0	18	2747	3.1	318.7	0.7	0.0	321.9	1	
1N	0	-228	101	20	0	18	1999	3.1	236.1	3.8	0.0	239.2	1	
1O	0	-228	-8	-20	0	-15	2747	3.1	316.0	0.7	0.0	319.1	1	
1P	0	-228	101	-20	0	-15	1999	3.1	233.3	3.8	0.0	236.5	1	
2	0	-8411	217	-4	0	11	11360	115.7	1266.2	8.1	0.0	1381.9	1	
7	0	-6578	170	-5	0	9	8899	90.5	991.9	6.4	0.0	1082.4	1	
8	0	-6605	171	-3	0	9	8874	90.9	988.8	6.4	0.0	1079.7	1	
1A	37	-6510	-100	20	0	47	3495	89.5	424.8	3.7	0.0	514.3	1	
1B	37	-6510	150	20	0	47	1278	89.5	179.6	5.6	0.0	269.1	1	

1C	37	-6510	-100	-20	0	-43	3495	89.5	422.1	3.7	0.0	511.6	1
1D	37	-6510	150	-20	0	-43	1278	89.5	176.9	5.6	0.0	266.4	1
1E	37	2831	-100	20	0	47	3495	38.9	424.8	3.7	0.0	463.7	1
1F	37	2831	150	20	0	47	1278	38.9	179.6	5.6	0.0	218.5	1
1G	37	2831	-100	-20	0	-43	3495	38.9	422.1	3.7	0.0	461.0	1
1H	37	2831	150	-20	0	-43	1278	38.9	176.9	5.6	0.0	215.8	1
1I	37	-3451	-30	20	0	22	2745	47.5	321.7	1.1	0.0	369.1	1
1J	37	-3451	80	20	0	22	2028	47.5	242.3	3.0	0.0	289.7	1
1K	37	-3451	-30	-20	0	-19	2745	47.5	318.9	1.1	0.0	366.4	1
1L	37	-3451	80	-20	0	-19	2028	47.5	239.5	3.0	0.0	287.0	1
1M	37	-228	-30	20	0	22	2745	3.1	321.7	1.1	0.0	324.8	1
1N	37	-228	80	20	0	22	2028	3.1	242.3	3.0	0.0	245.4	1
1O	37	-228	-30	-20	0	-19	2745	3.1	318.9	1.1	0.0	322.1	1
1P	37	-228	80	-20	0	-19	2028	3.1	239.5	3.0	0.0	242.7	1
2	37	-8412	189	-4	0	13	11435	115.7	1275.8	7.1	0.0	1391.5	1
7	37	-6579	142	-5	0	11	8957	90.5	999.7	5.3	0.0	1090.2	1
8	37	-6606	143	-3	0	10	8933	90.9	996.2	5.3	0.0	1087.0	1
1A	75	-6510	-122	20	0	43	3460	89.6	417.6	4.5	0.0	507.2	1
1B	75	-6510	129	20	0	43	1324	89.6	181.3	4.8	0.0	270.9	1
1C	75	-6510	-122	-20	0	-39	3460	89.6	414.9	4.5	0.0	504.4	1
1D	75	-6510	129	-20	0	-39	1324	89.6	178.6	4.8	0.0	268.2	1
1E	75	2830	-122	20	0	43	3460	38.9	417.6	4.5	0.0	456.5	1
1F	75	2830	129	20	0	43	1324	38.9	181.3	4.8	0.0	220.3	1
1G	75	2830	-122	-20	0	-39	3460	38.9	414.9	4.5	0.0	453.8	1
1H	75	2830	129	-20	0	-39	1324	38.9	178.6	4.8	0.0	217.5	1
1I	75	-3452	-51	20	0	26	2736	47.5	323.7	1.9	0.0	371.2	1
1J	75	-3452	58	20	0	26	2048	47.5	247.6	2.2	0.0	295.1	1
1K	75	-3452	-51	-20	0	-22	2736	47.5	321.0	1.9	0.0	368.5	1
1L	75	-3452	58	-20	0	-22	2048	47.5	244.9	2.2	0.0	292.3	1
1M	75	-228	-51	20	0	26	2736	3.1	323.7	1.9	0.0	326.9	1
1N	75	-228	58	20	0	26	2048	3.1	247.6	2.2	0.0	250.7	1
1O	75	-228	-51	-20	0	-22	2736	3.1	321.0	1.9	0.0	324.1	1
1P	75	-228	58	-20	0	-22	2048	3.1	244.9	2.2	0.0	248.0	1
2	75	-8413	161	-4	0	15	11500	115.7	1284.3	6.0	0.0	1400.0	1
7	75	-6580	114	-5	0	12	9005	90.5	1006.4	4.3	0.0	1096.9	1
8	75	-6607	115	-3	0	11	8981	90.9	1002.4	4.3	0.0	1093.2	1

ASTA NUM. 22 NI 400 NF 847 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1493	607	639	0	282	-3	20.5	230.4	22.7	0.0	250.9	1	
1B	0	-1493	1045	639	0	282	-16	20.5	231.9	39.1	0.0	252.4	1	
1C	0	-1493	607	-794	0	-316	-3	20.5	257.6	27.6	0.0	278.2	1	
1D	0	-1493	1045	-794	0	-316	-16	20.5	259.1	39.1	0.0	279.7	1	
1E	0	1363	607	639	0	282	-3	18.7	230.4	22.7	0.0	249.1	1	
1F	0	1363	1045	639	0	282	-16	18.7	231.9	39.1	0.0	250.6	1	
1G	0	1363	607	-794	0	-316	-3	18.7	257.6	27.6	0.0	276.4	1	
1H	0	1363	1045	-794	0	-316	-16	18.7	259.1	39.1	0.0	277.9	1	
1I	0	-4006	731	518	0	498	-3	55.1	406.3	27.3	0.0	461.4	1	
1J	0	-4006	922	518	0	498	-16	55.1	407.6	34.5	0.0	462.7	1	
1K	0	-4006	731	-673	0	-532	-3	55.1	433.5	27.3	0.0	488.6	1	
1L	0	-4006	922	-673	0	-532	-16	55.1	434.9	34.5	0.0	490.0	1	
1M	0	3876	731	518	0	498	-3	53.3	406.3	27.3	0.0	459.6	1	
1N	0	3876	922	518	0	498	-16	53.3	407.6	34.5	0.0	460.9	1	
1O	0	3876	731	-673	0	-532	-3	53.3	433.5	27.3	0.0	486.8	1	
1P	0	3876	922	-673	0	-532	-16	53.3	434.9	34.5	0.0	488.2	1	
2	0	823	4040	-200	0	-179	-47	11.3	150.9	151.1	0.0	262.4	4	
7	0	1013	3154	-141	0	-179	-37	13.9	150.1	118.0	0.0	205.4	4	
8	0	463	3149	-174	0	-122	-36	6.4	103.5	117.8	0.0	204.3	4	
1A	13	-1493	600	639	0	245	71	20.5	207.7	22.5	0.0	228.3	1	
1B	13	-1493	1038	639	0	245	115	20.5	212.6	38.8	0.0	233.1	1	
1C	13	-1493	600	-794	0	-259	71	20.5	219.2	27.6	0.0	239.7	1	
1D	13	-1493	1038	-794	0	-259	115	20.5	224.0	38.8	0.0	244.6	1	
1E	13	1363	600	639	0	245	71	18.7	207.7	22.5	0.0	226.5	1	
1F	13	1363	1038	639	0	245	115	18.7	212.6	38.8	0.0	231.4	1	
1G	13	1363	600	-794	0	-259	71	18.7	219.2	27.6	0.0	237.9	1	
1H	13	1363	1038	-794	0	-259	115	18.7	224.0	38.8	0.0	242.8	1	
1I	13	-4006	724	518	0	536	110	55.1	448.8	27.1	0.0	503.9	1	
1J	13	-4006	914	518	0	536	77	55.1	445.1	34.2	0.0	500.2	1	
1K	13	-4006	724	-673	0	-550	110	55.1	460.2	27.1	0.0	515.3	1	
1L	13	-4006	914	-673	0	-550	77	55.1	456.6	34.2	0.0	511.7	1	
1M	13	3876	724	518	0	536	110	53.3	448.8	27.1	0.0	502.1	1	
1N	13	3876	914	518	0	536	77	53.3	445.1	34.2	0.0	498.5	1	
1O	13	3876	724	-673	0	-550	110	53.3	460.2	27.1	0.0	513.5	1	
1P	13	3876	914	-673	0	-550	77	53.3	456.6	34.2	0.0	509.9	1	
2	13	823	4030	-200	0	-154	458	11.3	176.0	150.8	0.0	261.7	4	
7	13	1014	3144	-141	0	-162	357	13.9	171.2	117.6	0.0	204.7	4	
8	13	463	3140	-174	0	-100	357	6.4	121.2	117.5	0.0	203.7	4	
1A	25	-1492	593	639	0	208	145	20.5	185.6	22.2	0.0	206.2	1	
1B	25	-1492	1031	639	0	208	246	20.5	196.9	38.6	0.0	217.4	1	
1C	25	-1492	593	-794	0	-203	145	20.5	181.2	27.6	0.0	201.8	1	
1D	25	-1492	1031	-794	0	-203	246	20.5	192.5	38.6	0.0	213.0	1	
1E	25	1363	593	639	0	208	145	18.7	185.6	22.2	0.0	204.4	1	
1F	25	1363	1031	639	0	208	246	18.7	196.9	38.6	0.0	215.6	1	
1G	25	1363	593	-794	0	-203	145	18.7	181.2	27.6	0.0	200.0	1	
1H	25	1363	1031	-794	0	-203	246	18.7	192.5	38.6	0.0	211.2	1	
1I	25	-4006	716	518	0	573	222	55.1	491.9	26.8	0.0	547.0	1	

1J	25	-4006	907	518	0	573	169	55.1	486.0	33.9	0.0	541.1	1
1K	25	-4006	716	-673	0	-568	222	55.1	487.5	26.8	0.0	542.6	1
1L	25	-4006	907	-673	0	-568	169	55.1	481.6	33.9	0.0	536.7	1
1M	25	3876	716	518	0	573	222	53.3	491.9	26.8	0.0	545.2	1
1N	25	3876	907	518	0	573	169	53.3	486.0	33.9	0.0	539.4	1
1O	25	3876	716	-673	0	-568	222	53.3	487.5	26.8	0.0	540.8	1
1P	25	3876	907	-673	0	-568	169	53.3	481.6	33.9	0.0	535.0	1
2	25	824	4021	-200	0	-129	961	11.3	211.2	150.4	0.0	261.0	4
7	25	1014	3135	-141	0	-144	750	13.9	200.2	117.3	0.0	214.1	1
8	25	463	3131	-174	0	-79	748	6.4	146.9	117.1	0.0	203.1	4

ASTA NUM. 23 NI 399 NF 857 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2948	915	1001	0	168	-1233	40.5	273.5	34.8	0.0	314.1	1	
1B	0	-2948	1231	1001	0	168	-2341	40.5	396.0	46.0	0.0	436.6	1	
1C	0	-2948	915	-1419	0	-293	-1233	40.5	374.9	49.3	0.0	415.5	1	
1D	0	-2948	1231	-1419	0	-293	-2341	40.5	497.5	49.3	0.0	538.0	1	
1E	0	1659	915	1001	0	168	-1233	22.8	273.5	34.8	0.0	296.3	1	
1F	0	1659	1231	1001	0	168	-2341	22.8	396.0	46.0	0.0	418.9	1	
1G	0	1659	915	-1419	0	-293	-1233	22.8	374.9	49.3	0.0	397.8	1	
1H	0	1659	1231	-1419	0	-293	-2341	22.8	497.5	49.3	0.0	520.3	1	
1I	0	-5204	898	1518	0	116	-776	71.6	180.5	52.7	0.0	252.1	1	
1J	0	-5204	1248	1518	0	116	-2798	71.6	404.3	52.7	0.0	475.8	1	
1K	0	-5204	898	-1936	0	-241	-776	71.6	282.0	67.2	0.0	353.5	1	
1L	0	-5204	1248	-1936	0	-241	-2798	71.6	505.7	67.2	0.0	577.3	1	
1M	0	3915	898	1518	0	116	-776	53.9	180.5	52.7	0.0	234.4	1	
1N	0	3915	1248	1518	0	116	-2798	53.9	404.3	52.7	0.0	458.1	1	
1O	0	3915	898	-1936	0	-241	-776	53.9	282.0	67.2	0.0	335.8	1	
1P	0	3915	1248	-1936	0	-241	-2798	53.9	505.7	67.2	0.0	559.5	1	
2	0	-3407	5284	-605	0	-321	-8888	46.9	1245.1	197.6	0.0	1291.9	1	
7	0	-2908	4132	-386	0	-269	-6981	40.0	991.6	154.6	0.0	1031.6	1	
8	0	-2552	4126	-528	0	-246	-6973	35.1	971.8	154.3	0.0	1006.9	1	
1A	13	-2948	908	1001	0	9	-1118	40.5	131.1	34.8	0.0	173.2	3	
1B	13	-2948	1224	1001	0	9	-2188	40.5	249.4	45.8	0.0	289.9	1	
1C	13	-2948	908	-1419	0	-81	-1118	40.5	190.0	49.3	0.0	230.5	1	
1D	13	-2948	1224	-1419	0	-81	-2188	40.5	308.3	49.3	0.0	348.8	1	
1E	13	1659	908	1001	0	9	-1118	22.8	131.1	34.8	0.0	157.4	3	
1F	13	1659	1224	1001	0	9	-2188	22.8	249.4	45.8	0.0	272.2	1	
1G	13	1659	908	-1419	0	-81	-1118	22.8	190.0	49.3	0.0	212.8	1	
1H	13	1659	1224	-1419	0	-81	-2188	22.8	308.3	49.3	0.0	331.1	1	
1I	13	-5204	891	1518	0	-145	-663	71.6	191.6	52.7	0.0	263.1	1	
1J	13	-5204	1241	1518	0	-145	-2643	71.6	410.5	52.7	0.0	482.1	1	
1K	13	-5204	891	-1936	0	73	-663	71.6	132.6	67.2	0.0	204.2	1	
1L	13	-5204	1241	-1936	0	73	-2643	71.6	351.6	67.2	0.0	423.2	1	
1M	13	3915	891	1518	0	-145	-663	53.9	191.6	52.7	0.0	245.4	1	
1N	13	3915	1241	1518	0	-145	-2643	53.9	410.5	52.7	0.0	464.4	1	
1O	13	3915	891	-1936	0	73	-663	53.9	132.6	67.2	0.0	186.5	1	
1P	13	3915	1241	-1936	0	73	-2643	53.9	351.6	67.2	0.0	405.5	1	
2	13	-3407	5275	-605	0	-246	-8228	46.9	1110.4	197.3	0.0	1157.3	1	
7	13	-2908	4123	-386	0	-221	-6465	40.0	895.2	154.2	0.0	935.2	1	
8	13	-2552	4117	-528	0	-180	-6457	35.1	860.9	154.0	0.0	896.0	1	
1A	25	-2947	901	1001	0	-150	-1004	40.5	233.6	34.8	0.0	274.1	1	
1B	25	-2947	1217	1001	0	-150	-2036	40.5	347.6	45.5	0.0	388.2	1	
1C	25	-2947	901	-1419	0	130	-1004	40.5	217.2	49.3	0.0	257.7	1	
1D	25	-2947	1217	-1419	0	130	-2036	40.5	331.2	49.3	0.0	371.8	1	
1E	25	1659	901	1001	0	-150	-1004	22.8	233.6	34.8	0.0	256.4	1	
1F	25	1659	1217	1001	0	-150	-2036	22.8	347.6	45.5	0.0	370.4	1	
1G	25	1659	901	-1419	0	130	-1004	22.8	217.2	49.3	0.0	240.0	1	
1H	25	1659	1217	-1419	0	130	-2036	22.8	331.2	49.3	0.0	354.0	1	
1I	25	-5204	884	1518	0	-406	-552	71.6	392.1	52.7	0.0	463.6	1	
1J	25	-5204	1234	1518	0	-406	-2488	71.6	606.3	52.7	0.0	677.9	1	
1K	25	-5204	884	-1936	0	386	-552	71.6	375.7	67.2	0.0	447.2	1	
1L	25	-5204	1234	-1936	0	386	-2488	71.6	589.9	67.2	0.0	661.5	1	
1M	25	3915	884	1518	0	-406	-552	53.9	392.1	52.7	0.0	445.9	1	
1N	25	3915	1234	1518	0	-406	-2488	53.9	606.3	52.7	0.0	660.2	1	
1O	25	3915	884	-1936	0	386	-552	53.9	375.7	67.2	0.0	429.5	1	
1P	25	3915	1234	-1936	0	386	-2488	53.9	589.9	67.2	0.0	643.8	1	
2	25	-3407	5266	-605	0	-170	-7569	46.9	975.9	197.0	0.0	1022.8	1	
7	25	-2907	4114	-386	0	-173	-5950	40.0	798.9	153.9	0.0	838.9	1	
8	25	-2552	4108	-528	0	-114	-5943	35.1	750.2	153.7	0.0	785.3	1	

ASTA NUM. 24 NI 724 NF 855 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2364	-166	18	0	66	2092	32.5	285.1	6.2	0.0	317.6	1	
1B	0	-2364	108	18	0	66	1386	32.5	206.9	4.0	0.0	239.4	1	
1C	0	-2364	-166	-18	0	-26	2092	32.5	252.9	6.2	0.0	285.4	1	
1D	0	-2364	108	-18	0	-26	1386	32.5	174.7	4.0	0.0	207.3	1	
1E	0	4772	-166	18	0	66	2092	65.6	285.1	6.2	0.0	350.8	1	

1F	0	4772	108	18	0	66	1386	65.6	206.9	4.0	0.0	272.6	1
1G	0	4772	-166	-18	0	-26	2092	65.6	252.9	6.2	0.0	318.6	1
1H	0	4772	108	-18	0	-26	1386	65.6	174.7	4.0	0.0	240.4	1
1I	0	-97	-201	14	0	35	1877	1.3	236.5	7.5	0.0	237.8	1
1J	0	-97	143	14	0	35	1601	1.3	205.9	5.3	0.0	207.3	1
1K	0	-97	-201	-14	0	4	1877	1.3	211.0	7.5	0.0	212.4	1
1L	0	-97	143	-14	0	4	1601	1.3	180.5	5.3	0.0	181.8	1
1M	0	2505	-201	14	0	35	1877	34.5	236.5	7.5	0.0	270.9	1
1N	0	2505	143	14	0	35	1601	34.5	205.9	5.3	0.0	240.4	1
1O	0	2505	-201	-14	0	4	1877	34.5	211.0	7.5	0.0	245.5	1
1P	0	2505	143	-14	0	4	1601	34.5	180.5	5.3	0.0	214.9	1
2	0	6191	-83	-4	0	96	8332	85.2	999.7	3.1	0.0	1084.8	1
7	0	4968	-60	-4	0	75	6546	68.3	785.4	2.2	0.0	853.7	1
8	0	4800	-62	-2	0	75	6510	66.0	781.0	2.3	0.0	847.0	1
1A	37	-2364	-188	18	0	61	2069	32.5	278.8	7.0	0.0	311.4	1
1B	37	-2364	86	18	0	61	1379	32.5	202.4	3.2	0.0	234.9	1
1C	37	-2364	-188	-18	0	-22	2069	32.5	246.6	7.0	0.0	279.1	1
1D	37	-2364	86	-18	0	-22	1379	32.5	170.2	3.2	0.0	202.7	1
1E	37	4771	-188	18	0	61	2069	65.6	278.8	7.0	0.0	344.5	1
1F	37	4771	86	18	0	61	1379	65.6	202.4	3.2	0.0	268.1	1
1G	37	4771	-188	-18	0	-22	2069	65.6	246.6	7.0	0.0	312.2	1
1H	37	4771	86	-18	0	-22	1379	65.6	170.2	3.2	0.0	235.8	1
1I	37	-97	-222	14	0	37	1899	1.3	240.3	8.3	0.0	241.7	1
1J	37	-97	121	14	0	37	1549	1.3	201.6	4.5	0.0	202.9	1
1K	37	-97	-222	-14	0	2	1899	1.3	212.1	8.3	0.0	213.4	1
1L	37	-97	121	-14	0	2	1549	1.3	173.4	4.5	0.0	174.7	1
1M	37	2504	-222	14	0	37	1899	34.4	240.3	8.3	0.0	274.8	1
1N	37	2504	121	14	0	37	1549	34.4	201.6	4.5	0.0	236.1	1
1O	37	2504	-222	-14	0	2	1899	34.4	212.1	8.3	0.0	246.5	1
1P	37	2504	121	-14	0	2	1549	34.4	173.4	4.5	0.0	207.8	1
2	37	6190	-111	-4	0	97	8296	85.2	996.8	4.1	0.0	1082.0	1
7	37	4967	-88	-4	0	77	6518	68.3	783.5	3.3	0.0	851.8	1
8	37	4799	-90	-2	0	76	6481	66.0	778.6	3.4	0.0	844.6	1
1A	75	-2365	-209	18	0	57	2038	32.5	271.7	7.8	0.0	304.2	1
1B	75	-2365	65	18	0	57	1364	32.5	197.0	2.4	0.0	229.6	1
1C	75	-2365	-209	-18	0	-17	2038	32.5	239.4	7.8	0.0	271.9	1
1D	75	-2365	65	-18	0	-17	1364	32.5	164.8	2.4	0.0	197.3	1
1E	75	4771	-209	18	0	57	2038	65.6	271.7	7.8	0.0	337.3	1
1F	75	4771	65	18	0	57	1364	65.6	197.0	2.4	0.0	262.7	1
1G	75	4771	-209	-18	0	-17	2038	65.6	239.4	7.8	0.0	305.0	1
1H	75	4771	65	-18	0	-17	1364	65.6	164.8	2.4	0.0	230.4	1
1I	75	-98	-244	14	0	39	1913	1.3	243.3	9.1	0.0	244.6	1
1J	75	-98	100	14	0	39	1489	1.3	196.4	3.7	0.0	197.7	1
1K	75	-98	-244	-14	0	1	1913	1.3	212.2	9.1	0.0	213.6	1
1L	75	-98	100	-14	0	1	1489	1.3	165.4	3.7	0.0	166.7	1
1M	75	2504	-244	14	0	39	1913	34.4	243.3	9.1	0.0	277.7	1
1N	75	2504	100	14	0	39	1489	34.4	196.4	3.7	0.0	230.8	1
1O	75	2504	-244	-14	0	1	1913	34.4	212.2	9.1	0.0	246.7	1
1P	75	2504	100	-14	0	1	1489	34.4	165.4	3.7	0.0	199.8	1
2	75	6190	-138	-4	0	98	8249	85.1	992.8	5.2	0.0	1077.9	1
7	75	4966	-116	-4	0	78	6480	68.3	780.5	4.3	0.0	848.8	1
8	75	4798	-118	-2	0	76	6442	66.0	775.0	4.4	0.0	841.0	1

ASTA NUM. 25 NI 752 NF 755 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4234	440	52	0	87	58	58.2	77.0	16.5	0.0	135.3	1	
1B	0	-4234	920	52	0	87	-2494	58.2	346.5	34.4	0.0	404.8	1	
1C	0	-4234	440	-35	0	-69	58	58.2	62.6	16.5	0.0	120.9	1	
1D	0	-4234	920	-35	0	-69	-2494	58.2	332.1	34.4	0.0	390.4	1	
1E	0	-1874	440	52	0	87	58	25.8	77.0	16.5	0.0	102.8	1	
1F	0	-1874	920	52	0	87	-2494	25.8	346.5	34.4	0.0	372.3	1	
1G	0	-1874	440	-35	0	-69	58	25.8	62.6	16.5	0.0	88.4	1	
1H	0	-1874	920	-35	0	-69	-2494	25.8	332.1	34.4	0.0	357.9	1	
1I	0	-5557	274	88	0	166	1422	76.4	292.2	10.2	0.0	368.6	1	
1J	0	-5557	1086	88	0	166	-3858	76.4	561.7	40.6	0.0	638.1	1	
1K	0	-5557	274	-71	0	-148	1422	76.4	277.7	10.2	0.0	354.2	1	
1L	0	-5557	1086	-71	0	-148	-3858	76.4	547.2	40.6	0.0	623.7	1	
1M	0	-551	274	88	0	166	1422	7.6	292.2	10.2	0.0	299.7	1	
1N	0	-551	1086	88	0	166	-3858	7.6	561.7	40.6	0.0	569.2	1	
1O	0	-551	274	-71	0	-148	1422	7.6	277.7	10.2	0.0	285.3	1	
1P	0	-551	1086	-71	0	-148	-3858	7.6	547.2	40.6	0.0	554.8	1	
2	0	-6949	2682	53	0	74	-5467	95.6	665.5	100.3	0.0	761.1	1	
7	0	-5871	2174	46	0	67	-4496	80.8	552.3	81.3	0.0	633.0	1	
8	0	-6100	2147	39	0	53	-4327	83.9	522.2	80.3	0.0	606.1	1	
1A	72	-4233	399	52	0	50	369	58.2	81.5	14.9	0.0	139.7	1	
1B	72	-4233	879	52	0	50	-1856	58.2	246.1	32.9	0.0	304.3	1	
1C	72	-4233	399	-35	0	-44	369	58.2	77.0	14.9	0.0	135.2	1	
1D	72	-4233	879	-35	0	-44	-1856	58.2	241.5	32.9	0.0	299.8	1	
1E	72	-1873	399	52	0	50	369	25.8	81.5	14.9	0.0	107.3	1	
1F	72	-1873	879	52	0	50	-1856	25.8	246.1	32.9	0.0	271.8	1	
1G	72	-1873	399	-35	0	-44	369	25.8	77.0	14.9	0.0	102.7	1	
1H	72	-1873	879	-35	0	-44	-1856	25.8	241.5	32.9	0.0	267.3	1	
1I	72	-5556	233	88	0	103	1607	76.4	261.5	8.7	0.0	337.9	1	
1J	72	-5556	1045	88	0	103	-3095	76.4	426.1	39.1	0.0	502.5	1	
1K	72	-5556	233	-71	0	-97	1607	76.4	257.0	8.7	0.0	333.4	1	
1L	72	-5556	1045	-71	0	-97	-3095	76.4	421.6	39.1	0.0	498.0	1	

1M	72	-550	233	88	0	103	1607	7.6	261.5	8.7	0.0	269.1	1
1N	72	-550	1045	88	0	103	-3095	7.6	426.1	39.1	0.0	433.6	1
1O	72	-550	233	-71	0	-97	1607	7.6	257.0	8.7	0.0	264.5	1
1P	72	-550	1045	-71	0	-97	-3095	7.6	421.6	39.1	0.0	429.1	1
2	72	-6948	2629	53	0	37	-3557	95.6	423.4	98.3	0.0	519.0	1
7	72	-5870	2120	46	0	35	-2952	80.7	354.8	79.3	0.0	435.5	1
8	72	-6099	2094	39	0	25	-2803	83.9	330.7	78.3	0.0	414.6	1
1A	144	-4232	358	52	0	13	650	58.2	82.7	13.4	0.0	140.9	1
1B	144	-4232	838	52	0	13	-1248	58.2	148.8	31.3	0.0	207.1	1
1C	144	-4232	358	-35	0	-20	650	58.2	88.0	13.4	0.0	146.2	1
1D	144	-4232	838	-35	0	-20	-1248	58.2	154.2	31.3	0.0	212.4	1
1E	144	-1872	358	52	0	13	650	25.8	82.7	13.4	0.0	108.4	1
1F	144	-1872	838	52	0	13	-1248	25.8	148.8	31.3	0.0	174.6	1
1G	144	-1872	358	-35	0	-20	650	25.8	88.0	13.4	0.0	113.8	1
1H	144	-1872	838	-35	0	-20	-1248	25.8	154.2	31.3	0.0	180.0	1
1I	144	-5555	192	88	0	40	1763	76.4	227.6	7.2	0.0	304.0	1
1J	144	-5555	1004	88	0	40	-2361	76.4	293.8	37.5	0.0	370.2	1
1K	144	-5555	192	-71	0	-47	1763	76.4	233.0	7.2	0.0	309.4	1
1L	144	-5555	1004	-71	0	-47	-2361	76.4	299.1	37.5	0.0	375.6	1
1M	144	-549	192	88	0	40	1763	7.5	227.6	7.2	0.0	235.1	1
1N	144	-549	1004	88	0	40	-2361	7.5	293.8	37.5	0.0	301.3	1
1O	144	-549	192	-71	0	-47	1763	7.5	233.0	7.2	0.0	240.5	1
1P	144	-549	1004	-71	0	-47	-2361	7.5	299.1	37.5	0.0	306.7	1
2	144	-6946	2576	53	0	-1	-1686	95.5	187.4	96.4	0.0	298.1	3
7	144	-5868	2067	46	0	2	-1447	80.7	161.5	77.3	0.0	251.7	3
8	144	-6098	2040	39	0	-3	-1317	83.9	148.0	76.3	0.0	241.9	3

ASTA NUM. 26 NI 755 NF 756 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4720	282	22	0	13	651	64.9	82.3	10.6	0.0	147.3	1	
1B	0	-4720	764	22	0	13	-1248	64.9	148.4	28.6	0.0	213.3	1	
1C	0	-4720	282	-27	0	-20	651	64.9	88.3	10.6	0.0	153.2	1	
1D	0	-4720	764	-27	0	-20	-1248	64.9	154.3	28.6	0.0	219.2	1	
1E	0	-388	282	22	0	13	651	5.3	82.3	10.6	0.0	87.7	1	
1F	0	-388	764	22	0	13	-1248	5.3	148.4	28.6	0.0	153.7	1	
1G	0	-388	282	-27	0	-20	651	5.3	88.3	10.6	0.0	93.6	1	
1H	0	-388	764	-27	0	-20	-1248	5.3	154.3	28.6	0.0	159.7	1	
1I	0	-4950	114	35	0	40	1763	68.1	227.5	4.2	0.0	295.6	1	
1J	0	-4950	933	35	0	40	-2360	68.1	293.6	34.9	0.0	361.7	1	
1K	0	-4950	114	-40	0	-47	1763	68.1	233.5	4.2	0.0	301.6	1	
1L	0	-4950	933	-40	0	-47	-2360	68.1	299.5	34.9	0.0	367.6	1	
1M	0	-158	114	35	0	40	1763	2.2	227.5	4.2	0.0	229.7	1	
1N	0	-158	933	35	0	40	-2360	2.2	293.6	34.9	0.0	295.7	1	
1O	0	-158	114	-40	0	-47	1763	2.2	233.5	4.2	0.0	235.7	1	
1P	0	-158	933	-40	0	-47	-2360	2.2	299.5	34.9	0.0	301.7	1	
2	0	-4806	2091	-3	0	-3	-1683	66.1	188.4	78.2	0.0	261.0	3	
7	0	-4198	1699	-0	0	1	-1444	57.7	160.2	63.6	0.0	223.0	3	
8	0	-4402	1672	-4	0	-4	-1314	60.6	148.7	62.5	0.0	212.8	3	
1A	72	-4719	241	22	0	-5	858	64.9	99.3	9.0	0.0	164.2	1	
1B	72	-4719	723	22	0	-5	-732	64.9	85.3	27.1	0.0	150.2	1	
1C	72	-4719	241	-27	0	2	858	64.9	96.2	9.0	0.0	161.1	1	
1D	72	-4719	723	-27	0	2	-732	64.9	82.2	27.1	0.0	147.1	1	
1E	72	-387	241	22	0	-5	858	5.3	99.3	9.0	0.0	104.6	1	
1F	72	-387	723	22	0	-5	-732	5.3	85.3	27.1	0.0	90.7	1	
1G	72	-387	241	-27	0	2	858	5.3	96.2	9.0	0.0	101.5	1	
1H	72	-387	723	-27	0	2	-732	5.3	82.2	27.1	0.0	88.4	3	
1I	72	-4949	73	35	0	14	1836	68.1	214.4	2.7	0.0	282.5	1	
1J	72	-4949	892	35	0	14	-1709	68.1	200.5	33.4	0.0	268.5	1	
1K	72	-4949	73	-40	0	-18	1836	68.1	217.5	2.7	0.0	285.6	1	
1L	72	-4949	892	-40	0	-18	-1709	68.1	203.6	33.4	0.0	271.6	1	
1M	72	-157	73	35	0	14	1836	2.2	214.4	2.7	0.0	216.6	1	
1N	72	-157	892	35	0	14	-1709	2.2	200.5	33.4	0.0	202.6	1	
1O	72	-157	73	-40	0	-18	1836	2.2	217.5	2.7	0.0	219.7	1	
1P	72	-157	892	-40	0	-18	-1709	2.2	203.6	33.4	0.0	205.7	1	
2	72	-4804	2038	-3	0	-0	-198	66.1	22.3	76.2	0.0	147.6	4	
7	72	-4196	1646	-0	0	1	-241	57.7	27.4	61.6	0.0	121.2	4	
8	72	-4401	1618	-4	0	-1	-131	60.5	15.7	60.5	0.0	121.1	4	
1A	144	-4718	200	22	0	-23	1036	64.9	133.7	7.5	0.0	198.5	1	
1B	144	-4718	682	22	0	-23	-246	64.9	46.2	25.5	0.0	111.1	1	
1C	144	-4718	200	-27	0	23	1036	64.9	133.4	7.5	0.0	198.3	1	
1D	144	-4718	682	-27	0	23	-246	64.9	46.0	25.5	0.0	110.9	1	
1E	144	-386	200	22	0	-23	1036	5.3	133.7	7.5	0.0	139.0	1	
1F	144	-386	682	22	0	-23	-246	5.3	46.2	25.5	0.0	51.5	1	
1G	144	-386	200	-27	0	23	1036	5.3	133.4	7.5	0.0	138.7	1	
1H	144	-386	682	-27	0	23	-246	5.3	46.0	25.5	0.0	51.3	1	
1I	144	-4948	32	35	0	-12	1879	68.1	217.7	1.2	0.0	285.7	1	
1J	144	-4948	851	35	0	-12	-1088	68.1	130.2	31.8	0.0	198.3	1	
1K	144	-4948	32	-40	0	12	1879	68.1	217.4	1.4	0.0	285.5	1	
1L	144	-4948	851	-40	0	12	-1088	68.1	130.0	31.8	0.0	198.0	1	
1M	144	-156	32	35	0	-12	1879	2.1	217.7	1.2	0.0	219.8	1	
1N	144	-156	851	35	0	-12	-1088	2.1	130.2	31.8	0.0	132.4	1	
1O	144	-156	32	-40	0	12	1879	2.1	217.4	1.4	0.0	219.6	1	
1P	144	-156	851	-40	0	12	-1088	2.1	130.0	31.8	0.0	132.1	1	
2	144	-4803	1984	-3	0	2	1248	66.1	139.7	74.2	0.0	218.2	3	
7	144	-4195	1592	-0	0	1	923	57.7	103.0	59.5	0.0	172.1	3	
8	144	-4400	1565	-4	0	1	1013	60.5	113.2	58.5	0.0	182.3	3	

ASTA NUM. 27 NI 756 NF 757 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5203	120	3	0	22	1037	71.6	132.3	4.5	0.0	203.9	1	
1B	0	-5203	604	3	0	22	-246	71.6	44.8	22.6	0.0	116.3	1	
1C	0	-5203	120	-4	0	-23	1037	71.6	133.2	4.5	0.0	204.8	1	
1D	0	-5203	604	-4	0	-23	-246	71.6	45.6	22.6	0.0	117.2	1	
1E	0	1053	120	3	0	22	1037	14.5	132.3	4.5	0.0	146.8	1	
1F	0	1053	604	3	0	22	-246	14.5	44.8	22.6	0.0	59.3	1	
1G	0	1053	120	-4	0	-23	1037	14.5	133.2	4.5	0.0	147.7	1	
1H	0	1053	604	-4	0	-23	-246	14.5	45.6	22.6	0.0	60.1	1	
1I	0	-3995	-52	6	0	10	1879	55.0	216.5	1.9	0.0	271.4	1	
1J	0	-3995	775	6	0	10	-1088	55.0	128.9	29.0	0.0	183.9	1	
1K	0	-3995	-52	-8	0	-12	1879	55.0	217.3	1.9	0.0	272.3	1	
1L	0	-3995	775	-8	0	-12	-1088	55.0	129.8	29.0	0.0	184.7	1	
1M	0	-155	-52	6	0	10	1879	2.1	216.5	1.9	0.0	218.6	1	
1N	0	-155	775	6	0	10	-1088	2.1	128.9	29.0	0.0	131.0	1	
1O	0	-155	-52	-8	0	-12	1879	2.1	217.3	1.9	0.0	219.5	1	
1P	0	-155	775	-8	0	-12	-1088	2.1	129.8	29.0	0.0	131.9	1	
2	0	-2799	1474	-4	0	0	1250	38.5	138.5	55.1	0.0	182.5	3	
7	0	-2679	1204	-3	0	-0	925	36.9	102.4	45.0	0.0	145.0	3	
8	0	-2798	1177	-3	0	0	1015	38.5	112.3	44.0	0.0	154.5	3	
1A	72	-5202	79	3	0	23	1170	71.6	148.3	2.9	0.0	219.9	1	
1B	72	-5202	563	3	0	23	112	71.6	31.3	21.1	0.0	102.8	1	
1C	72	-5202	79	-4	0	-23	1170	71.6	148.3	2.9	0.0	219.9	1	
1D	72	-5202	563	-4	0	-23	112	71.6	31.3	21.1	0.0	102.9	1	
1E	72	1054	79	3	0	23	1170	14.5	148.3	2.9	0.0	162.8	1	
1F	72	1054	563	3	0	23	112	14.5	31.3	21.1	0.0	45.8	1	
1G	72	1054	79	-4	0	-23	1170	14.5	148.3	2.9	0.0	162.8	1	
1H	72	1054	563	-4	0	-23	112	14.5	31.3	21.1	0.0	45.8	1	
1I	72	-3994	-93	6	0	11	1846	54.9	213.5	3.5	0.0	268.4	1	
1J	72	-3994	734	6	0	11	-564	54.9	71.6	27.5	0.0	126.5	1	
1K	72	-3994	-93	-8	0	-11	1846	54.9	213.5	3.5	0.0	268.4	1	
1L	72	-3994	734	-8	0	-11	-564	54.9	71.6	27.5	0.0	126.6	1	
1M	72	-154	-93	6	0	11	1846	2.1	213.5	3.5	0.0	215.6	1	
1N	72	-154	734	6	0	11	-564	2.1	71.6	27.5	0.0	73.7	1	
1O	72	-154	-93	-8	0	-11	1846	2.1	213.5	3.5	0.0	215.6	1	
1P	72	-154	734	-8	0	-11	-564	2.1	71.6	27.5	0.0	73.7	1	
2	72	-2798	1420	-4	0	3	2291	38.5	256.0	53.1	0.0	294.5	1	
7	72	-2678	1150	-3	0	2	1771	36.8	197.8	43.0	0.0	234.6	1	
8	72	-2796	1124	-3	0	2	1842	38.5	205.6	42.0	0.0	244.0	1	
1A	144	-5201	38	3	0	25	1273	71.5	161.0	1.4	0.0	232.5	1	
1B	144	-5201	522	3	0	25	441	71.5	68.9	19.5	0.0	140.5	1	
1C	144	-5201	38	-4	0	-24	1273	71.5	160.2	1.4	0.0	231.7	1	
1D	144	-5201	522	-4	0	-24	441	71.5	68.1	19.5	0.0	139.7	1	
1E	144	1055	38	3	0	25	1273	14.5	161.0	1.4	0.0	175.5	1	
1F	144	1055	522	3	0	25	441	14.5	68.9	19.5	0.0	83.4	1	
1G	144	1055	38	-4	0	-24	1273	14.5	160.2	1.4	0.0	174.7	1	
1H	144	1055	522	-4	0	-24	441	14.5	68.1	19.5	0.0	82.6	1	
1I	144	-3993	-134	6	0	12	1784	54.9	207.2	5.0	0.0	262.1	1	
1J	144	-3993	693	6	0	12	-70	54.9	17.5	25.9	0.0	72.5	1	
1K	144	-3993	-134	-8	0	-11	1784	54.9	206.4	5.0	0.0	261.3	1	
1L	144	-3993	693	-8	0	-11	-70	54.9	16.7	25.9	0.0	71.7	1	
1M	144	-153	-134	6	0	12	1784	2.1	207.2	5.0	0.0	209.3	1	
1N	144	-153	693	6	0	12	-70	2.1	17.5	25.9	0.0	45.0	4	
1O	144	-153	-134	-8	0	-11	1784	2.1	206.4	5.0	0.0	208.5	1	
1P	144	-153	693	-8	0	-11	-70	2.1	16.7	25.9	0.0	45.0	4	
2	144	-2796	1367	-4	0	6	3293	38.5	369.2	51.1	0.0	407.7	1	
7	144	-2676	1097	-3	0	5	2579	36.8	289.2	41.0	0.0	326.0	1	
8	144	-2795	1070	-3	0	4	2631	38.4	294.6	40.0	0.0	333.1	1	

ASTA NUM. 28 NI 757 NF 753 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5353	-48	-7	0	24	1273	73.6	160.5	1.8	0.0	234.1	1	
1B	0	-5353	443	-7	0	24	441	73.6	68.4	16.6	0.0	142.0	1	
1C	0	-5353	-48	-15	0	-24	1273	73.6	160.2	1.8	0.0	233.9	1	
1D	0	-5353	443	-15	0	-24	441	73.6	68.1	16.6	0.0	141.8	1	
1E	0	2101	-48	-7	0	24	1273	28.9	160.5	1.8	0.0	189.4	1	
1F	0	2101	443	-7	0	24	441	28.9	68.4	16.6	0.0	97.3	1	
1G	0	2101	-48	-15	0	-24	1273	28.9	160.2	1.8	0.0	189.1	1	
1H	0	2101	443	-15	0	-24	441	28.9	68.1	16.6	0.0	97.0	1	
1I	0	-3120	-220	-6	0	12	1784	42.9	207.3	8.2	0.0	250.2	1	
1J	0	-3120	615	-6	0	12	-70	42.9	17.6	23.0	0.0	60.5	1	
1K	0	-3120	-220	-17	0	-12	1784	42.9	207.1	8.2	0.0	250.0	1	
1L	0	-3120	615	-17	0	-12	-70	42.9	17.4	23.0	0.0	60.3	1	
1M	0	-132	-220	-6	0	12	1784	1.8	207.3	8.2	0.0	209.1	1	
1N	0	-132	615	-6	0	12	-70	1.8	17.6	23.0	0.0	39.9	4	
1O	0	-132	-220	-17	0	-12	1784	1.8	207.1	8.2	0.0	208.9	1	

1P	0	-132	615	-17	0	-12	-70	1.8	17.4	23.0	0.0	39.9	4
2	0	-851	842	-59	0	4	3295	11.7	368.1	31.5	0.0	379.8	1
7	0	-1211	697	-45	0	3	2580	16.7	288.3	26.1	0.0	304.9	1
8	0	-1246	670	-46	0	3	2632	17.1	293.6	25.1	0.0	310.8	1
1A	72	-5352	-89	-7	0	30	1368	73.6	175.6	3.3	0.0	249.2	1
1B	72	-5352	402	-7	0	30	601	73.6	90.7	15.0	0.0	164.4	1
1C	72	-5352	-89	-15	0	-13	1368	73.6	162.2	3.3	0.0	235.8	1
1D	72	-5352	402	-15	0	-13	601	73.6	77.4	15.0	0.0	151.0	1
1E	72	2102	-89	-7	0	30	1368	28.9	175.6	3.3	0.0	204.5	1
1F	72	2102	402	-7	0	30	601	28.9	90.7	15.0	0.0	119.7	1
1G	72	2102	-89	-15	0	-13	1368	28.9	162.2	3.3	0.0	191.1	1
1H	72	2102	402	-15	0	-13	601	28.9	77.4	15.0	0.0	106.3	1
1I	72	-3119	-261	-6	0	18	1655	42.9	197.6	9.8	0.0	240.5	1
1J	72	-3119	574	-6	0	18	313	42.9	49.1	21.5	0.0	92.0	1
1K	72	-3119	-261	-17	0	-1	1655	42.9	184.2	9.8	0.0	227.1	1
1L	72	-3119	574	-17	0	-1	313	42.9	35.7	21.5	0.0	80.4	3
1M	72	-131	-261	-6	0	18	1655	1.8	197.6	9.8	0.0	199.4	1
1N	72	-131	574	-6	0	18	313	1.8	49.1	21.5	0.0	50.9	1
1O	72	-131	-261	-17	0	-1	1655	1.8	184.2	9.8	0.0	186.0	1
1P	72	-131	574	-17	0	-1	313	1.8	35.7	21.5	0.0	44.5	3
2	72	-849	789	-59	0	47	3882	11.7	467.7	29.5	0.0	479.4	1
7	72	-1210	644	-45	0	36	3062	16.6	368.3	24.1	0.0	384.9	1
8	72	-1244	617	-46	0	36	3095	17.1	371.7	23.1	0.0	388.9	1
1A	144	-5351	-130	-7	0	35	1432	73.6	187.4	4.9	0.0	261.0	1
1B	144	-5351	361	-7	0	35	732	73.6	109.9	13.5	0.0	183.5	1
1C	144	-5351	-130	-15	0	-3	1432	73.6	160.9	4.9	0.0	234.5	1
1D	144	-5351	361	-15	0	-3	732	73.6	83.3	13.5	0.0	156.9	1
1E	144	2103	-130	-7	0	35	1432	28.9	187.4	4.9	0.0	216.3	1
1F	144	2103	361	-7	0	35	732	28.9	109.9	13.5	0.0	138.8	1
1G	144	2103	-130	-15	0	-3	1432	28.9	160.9	4.9	0.0	189.8	1
1H	144	2103	361	-15	0	-3	732	28.9	83.3	13.5	0.0	112.2	1
1I	144	-3118	-302	-6	0	23	1497	42.9	184.6	11.3	0.0	227.5	1
1J	144	-3118	533	-6	0	23	667	42.9	92.8	19.9	0.0	135.7	1
1K	144	-3118	-302	-17	0	9	1497	42.9	173.2	11.3	0.0	216.1	1
1L	144	-3118	533	-17	0	9	667	42.9	81.3	19.9	0.0	124.2	1
1M	144	-130	-302	-6	0	23	1497	1.8	184.6	11.3	0.0	186.4	1
1N	144	-130	533	-6	0	23	667	1.8	92.8	19.9	0.0	94.5	1
1O	144	-130	-302	-17	0	9	1497	1.8	173.2	11.3	0.0	175.0	1
1P	144	-130	533	-17	0	9	667	1.8	81.3	19.9	0.0	83.1	1
2	144	-848	736	-59	0	90	4430	11.7	563.1	27.5	0.0	574.8	1
7	144	-1209	591	-45	0	69	3506	16.6	444.0	22.1	0.0	460.7	1
8	144	-1243	564	-46	0	69	3519	17.1	445.6	21.1	0.0	462.7	1

ASTA NUM. 29 NI 753 NF 729 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5598	-219	16	0	35	1432	77.0	186.9	8.2	0.0	263.9	1	
1B	0	-5598	284	16	0	35	732	77.0	109.4	10.6	0.0	186.4	1	
1C	0	-5598	-219	-16	0	-3	1432	77.0	160.7	8.2	0.0	237.7	1	
1D	0	-5598	284	-16	0	-3	732	77.0	83.2	10.6	0.0	160.2	1	
1E	0	2758	-219	16	0	35	1432	37.9	186.9	8.2	0.0	224.9	1	
1F	0	2758	284	16	0	35	732	37.9	109.4	10.6	0.0	147.3	1	
1G	0	2758	-219	-16	0	-3	1432	37.9	160.7	8.2	0.0	198.7	1	
1H	0	2758	284	-16	0	-3	732	37.9	83.2	10.6	0.0	121.1	1	
1I	0	-3393	-378	5	0	23	1497	46.7	184.0	14.1	0.0	230.7	1	
1J	0	-3393	442	5	0	23	667	46.7	92.1	16.5	0.0	138.8	1	
1K	0	-3393	-378	-6	0	10	1497	46.7	173.5	14.1	0.0	220.2	1	
1L	0	-3393	442	-6	0	10	667	46.7	81.6	16.5	0.0	128.3	1	
1M	0	553	-378	5	0	23	1497	7.6	184.0	14.1	0.0	191.6	1	
1N	0	553	442	5	0	23	667	7.6	92.1	16.5	0.0	99.7	1	
1O	0	553	-378	-6	0	10	1497	7.6	173.5	14.1	0.0	181.1	1	
1P	0	553	442	-6	0	10	667	7.6	81.6	16.5	0.0	89.2	1	
2	0	-62	204	-0	0	89	4430	0.9	562.4	7.6	0.0	563.2	1	
7	0	-654	185	-0	0	68	3507	9.0	443.6	6.9	0.0	452.6	1	
8	0	-600	159	-0	0	68	3520	8.3	445.1	6.0	0.0	453.4	1	
1A	37	-5598	-241	16	0	41	1442	77.0	192.9	9.0	0.0	269.9	1	
1B	37	-5598	262	16	0	41	738	77.0	115.0	9.8	0.0	192.0	1	
1C	37	-5598	-241	-16	0	-9	1442	77.0	166.5	9.0	0.0	243.5	1	
1D	37	-5598	262	-16	0	-9	738	77.0	88.6	9.8	0.0	165.6	1	
1E	37	2759	-241	16	0	41	1442	37.9	192.9	9.0	0.0	230.8	1	
1F	37	2759	262	16	0	41	738	37.9	115.0	9.8	0.0	152.9	1	
1G	37	2759	-241	-16	0	-9	1442	37.9	166.5	9.0	0.0	204.5	1	
1H	37	2759	262	-16	0	-9	738	37.9	88.6	9.8	0.0	126.6	1	
1I	37	-3393	-399	5	0	24	1387	46.7	173.4	14.9	0.0	220.0	1	
1J	37	-3393	421	5	0	24	793	46.7	107.7	15.7	0.0	154.4	1	
1K	37	-3393	-399	-6	0	8	1387	46.7	159.8	14.9	0.0	206.5	1	
1L	37	-3393	421	-6	0	8	793	46.7	94.2	15.7	0.0	140.8	1	
1M	37	554	-399	5	0	24	1387	7.6	173.4	14.9	0.0	181.0	1	
1N	37	554	421	5	0	24	793	7.6	107.7	15.7	0.0	115.3	1	
1O	37	554	-399	-6	0	8	1387	7.6	159.8	14.9	0.0	167.4	1	
1P	37	554	421	-6	0	8	793	7.6	94.2	15.7	0.0	101.8	1	
2	37	-61	176	-0	0	89	4501	0.8	570.4	6.6	0.0	571.2	1	
7	37	-654	158	-0	0	68	3571	9.0	450.8	5.9	0.0	459.8	1	
8	37	-600	132	-0	0	68	3574	8.2	451.2	4.9	0.0	459.5	1	
1A	75	-5597	-262	16	0	47	1444	77.0	198.0	9.8	0.0	275.0	1	
1B	75	-5597	241	16	0	47	736	77.0	119.7	9.0	0.0	196.7	1	

1C	75	-5597	-262	-16	0	-14	1444	77.0	171.5	9.8	0.0	248.4	1
1D	75	-5597	241	-16	0	-14	736	77.0	93.2	9.0	0.0	170.2	1
1E	75	2759	-262	16	0	47	1444	38.0	198.0	9.8	0.0	235.9	1
1F	75	2759	241	16	0	47	736	38.0	119.7	9.0	0.0	157.6	1
1G	75	2759	-262	-16	0	-14	1444	38.0	171.5	9.8	0.0	209.4	1
1H	75	2759	241	-16	0	-14	736	38.0	93.2	9.0	0.0	131.1	1
1I	75	-3392	-421	5	0	26	1268	46.7	161.8	15.7	0.0	208.5	1
1J	75	-3392	400	5	0	26	912	46.7	122.5	14.9	0.0	169.1	1
1K	75	-3392	-421	-6	0	6	1268	46.7	145.2	15.7	0.0	191.9	1
1L	75	-3392	400	-6	0	6	912	46.7	105.9	14.9	0.0	152.5	1
1M	75	554	-421	5	0	26	1268	7.6	161.8	15.7	0.0	169.5	1
1N	75	554	400	5	0	26	912	7.6	122.5	14.9	0.0	130.1	1
1O	75	554	-421	-6	0	6	1268	7.6	145.2	15.7	0.0	152.9	1
1P	75	554	400	-6	0	6	912	7.6	105.9	14.9	0.0	113.5	1
2	75	-61	148	-0	0	89	4562	0.8	577.3	5.6	0.0	578.1	1
7	75	-653	130	-0	0	68	3625	9.0	456.9	4.9	0.0	465.8	1
8	75	-599	104	-0	0	69	3618	8.2	456.2	3.9	0.0	464.5	1

ASTA NUM. 30 NI 754 NF 758 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5893	-261	16	0	36	1480	81.1	193.4	9.8	0.0	274.4	1	
1B	0	-5893	132	16	0	36	760	81.1	113.6	4.9	0.0	194.7	1	
1C	0	-5893	-261	7	0	-3	1480	81.1	166.2	9.8	0.0	247.2	1	
1D	0	-5893	132	7	0	-3	760	81.1	86.4	4.9	0.0	167.5	1	
1E	0	2659	-261	16	0	36	1480	36.6	193.4	9.8	0.0	229.9	1	
1F	0	2659	132	16	0	36	760	36.6	113.6	4.9	0.0	150.2	1	
1G	0	2659	-261	7	0	-3	1480	36.6	166.2	9.8	0.0	202.7	1	
1H	0	2659	132	7	0	-3	760	36.6	86.4	4.9	0.0	123.0	1	
1I	0	-4346	-498	17	0	23	1449	59.8	179.1	18.6	0.0	238.9	1	
1J	0	-4346	369	17	0	23	791	59.8	106.4	13.8	0.0	166.1	1	
1K	0	-4346	-498	6	0	10	1449	59.8	168.6	18.6	0.0	228.4	1	
1L	0	-4346	369	6	0	10	791	59.8	95.9	13.8	0.0	155.7	1	
1M	0	1112	-498	17	0	23	1449	15.3	179.1	18.6	0.0	194.4	1	
1N	0	1112	369	17	0	23	791	15.3	106.4	13.8	0.0	121.7	1	
1O	0	1112	-498	6	0	10	1449	15.3	168.6	18.6	0.0	183.9	1	
1P	0	1112	369	6	0	10	791	15.3	95.9	13.8	0.0	111.2	1	
2	0	-1239	-429	62	0	91	4654	17.0	588.7	16.1	0.0	605.7	1	
7	0	-1626	-292	48	0	70	3725	22.4	469.0	10.9	0.0	491.3	1	
8	0	-1488	-322	48	0	70	3697	20.5	466.0	12.0	0.0	486.5	1	
1A	72	-5894	-302	16	0	31	1468	81.1	187.5	11.3	0.0	268.5	1	
1B	72	-5894	91	16	0	31	649	81.1	96.8	3.4	0.0	177.9	1	
1C	72	-5894	-302	7	0	-14	1468	81.1	173.8	11.3	0.0	254.9	1	
1D	72	-5894	91	7	0	-14	649	81.1	83.1	3.4	0.0	164.2	1	
1E	72	2658	-302	16	0	31	1468	36.6	187.5	11.3	0.0	224.0	1	
1F	72	2658	91	16	0	31	649	36.6	96.8	3.4	0.0	133.4	1	
1G	72	2658	-302	7	0	-14	1468	36.6	173.8	11.3	0.0	210.4	1	
1H	72	2658	91	7	0	-14	649	36.6	83.1	3.4	0.0	119.7	1	
1I	72	-4347	-539	17	0	18	1670	59.8	199.7	20.2	0.0	259.5	1	
1J	72	-4347	328	17	0	18	448	59.8	64.5	12.3	0.0	124.3	1	
1K	72	-4347	-539	6	0	-2	1670	59.8	186.1	20.2	0.0	245.8	1	
1L	72	-4347	328	6	0	-2	448	59.8	50.8	12.3	0.0	110.6	1	
1M	72	1111	-539	17	0	18	1670	15.3	199.7	20.2	0.0	215.0	1	
1N	72	1111	328	17	0	18	448	15.3	64.5	12.3	0.0	79.8	1	
1O	72	1111	-539	6	0	-2	1670	15.3	186.1	20.2	0.0	201.3	1	
1P	72	1111	328	6	0	-2	448	15.3	50.8	12.3	0.0	66.1	1	
2	72	-1240	-483	62	0	46	4326	17.1	516.1	18.0	0.0	533.2	1	
7	72	-1628	-345	48	0	35	3496	22.4	415.4	12.9	0.0	437.8	1	
8	72	-1489	-375	48	0	36	3447	20.5	410.3	14.0	0.0	430.8	1	
1A	144	-5895	-343	16	0	25	1427	81.1	178.3	12.8	0.0	259.4	1	
1B	144	-5895	50	16	0	25	509	81.1	76.7	1.9	0.0	157.8	1	
1C	144	-5895	-343	7	0	-25	1427	81.1	178.2	12.8	0.0	259.3	1	
1D	144	-5895	50	7	0	-25	509	81.1	76.6	1.9	0.0	157.7	1	
1E	144	2657	-343	16	0	25	1427	36.5	178.3	12.8	0.0	214.9	1	
1F	144	2657	50	16	0	25	509	36.5	76.7	1.9	0.0	113.3	1	
1G	144	2657	-343	7	0	-25	1427	36.5	178.2	12.8	0.0	214.8	1	
1H	144	2657	50	7	0	-25	509	36.5	76.6	1.9	0.0	113.1	1	
1I	144	-4348	-580	17	0	14	1861	59.8	217.0	21.7	0.0	276.8	1	
1J	144	-4348	287	17	0	14	74	59.8	19.4	10.7	0.0	79.2	1	
1K	144	-4348	-580	6	0	-14	1861	59.8	216.9	21.7	0.0	276.7	1	
1L	144	-4348	287	6	0	-14	74	59.8	19.2	10.7	0.0	79.0	1	
1M	144	1110	-580	17	0	14	1861	15.3	217.0	21.7	0.0	232.3	1	
1N	144	1110	287	17	0	14	74	15.3	19.4	10.7	0.0	34.6	1	
1O	144	1110	-580	6	0	-14	1861	15.3	216.9	21.7	0.0	232.2	1	
1P	144	1110	287	6	0	-14	74	15.3	19.2	10.7	0.0	34.5	1	
2	144	-1242	-536	62	0	1	3960	17.1	439.3	20.0	0.0	456.4	1	
7	144	-1629	-398	48	0	0	3229	22.4	357.6	14.9	0.0	380.0	1	
8	144	-1490	-428	48	0	1	3158	20.5	350.3	16.0	0.0	370.8	1	

ASTA NUM. 31 NI 758 NF 759 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-5960	-432	4	0	26	1427	82.0	178.8	16.1	0.0	260.8	1
1B	0	-5960	-26	4	0	26	508	82.0	77.2	1.0	0.0	159.1	1
1C	0	-5960	-432	-2	0	-25	1427	82.0	178.1	16.1	0.0	260.1	1
1D	0	-5960	-26	-2	0	-25	508	82.0	76.5	1.0	0.0	158.4	1
1E	0	1846	-432	4	0	26	1427	25.4	178.8	16.1	0.0	204.2	1
1F	0	1846	-26	4	0	26	508	25.4	77.2	1.0	0.0	102.6	1
1G	0	1846	-432	-2	0	-25	1427	25.4	178.1	16.1	0.0	203.5	1
1H	0	1846	-26	-2	0	-25	508	25.4	76.5	1.0	0.0	101.9	1
1I	0	-5410	-661	8	0	14	1861	74.4	216.9	24.7	0.0	291.3	1
1J	0	-5410	204	8	0	14	74	74.4	19.2	7.6	0.0	93.7	1
1K	0	-5410	-661	-6	0	-13	1861	74.4	216.2	24.7	0.0	290.6	1
1L	0	-5410	204	-6	0	-13	74	74.4	18.6	7.6	0.0	93.0	1
1M	0	1296	-661	8	0	14	1861	17.8	216.9	24.7	0.0	234.7	1
1N	0	1296	204	8	0	14	74	17.8	19.2	7.6	0.0	37.1	1
1O	0	1296	-661	-6	0	-13	1861	17.8	216.2	24.7	0.0	234.0	1
1P	0	1296	204	-6	0	-13	74	17.8	18.6	7.6	0.0	36.4	1
2	0	-3550	-1057	2	0	3	3959	48.8	440.8	39.5	0.0	489.6	1
7	0	-3482	-795	1	0	2	3228	47.9	358.7	29.7	0.0	406.6	1
8	0	-3265	-825	2	0	3	3157	44.9	351.4	30.9	0.0	396.3	1
1A	72	-5961	-473	4	0	24	1309	82.0	164.5	17.7	0.0	246.5	1
1B	72	-5961	-67	4	0	24	267	82.0	49.3	2.5	0.0	131.3	1
1C	72	-5961	-473	-2	0	-25	1309	82.0	165.0	17.7	0.0	247.0	1
1D	72	-5961	-67	-2	0	-25	267	82.0	49.7	2.5	0.0	131.7	1
1E	72	1845	-473	4	0	24	1309	25.4	164.5	17.7	0.0	189.9	1
1F	72	1845	-67	4	0	24	267	25.4	49.3	2.5	0.0	74.7	1
1G	72	1845	-473	-2	0	-25	1309	25.4	165.0	17.7	0.0	190.4	1
1H	72	1845	-67	-2	0	-25	267	25.4	49.7	2.5	0.0	75.1	1
1I	72	-5411	-702	8	0	12	1967	74.4	227.0	26.3	0.0	301.4	1
1J	72	-5411	163	8	0	12	-390	74.4	52.6	6.1	0.0	127.0	1
1K	72	-5411	-702	-6	0	-12	1967	74.4	227.4	26.3	0.0	301.9	1
1L	72	-5411	163	-6	0	-12	-390	74.4	53.0	6.1	0.0	127.4	1
1M	72	1295	-702	8	0	12	1967	17.8	227.0	26.3	0.0	244.8	1
1N	72	1295	163	8	0	12	-390	17.8	52.6	6.1	0.0	70.4	1
1O	72	1295	-702	-6	0	-12	1967	17.8	227.4	26.3	0.0	245.3	1
1P	72	1295	163	-6	0	-12	-390	17.8	53.0	6.1	0.0	70.8	1
2	72	-3552	-1110	2	0	2	3179	48.9	353.2	41.5	0.0	402.1	1
7	72	-3484	-848	1	0	1	2637	47.9	292.5	31.7	0.0	340.4	1
8	72	-3266	-879	2	0	1	2544	44.9	282.4	32.9	0.0	327.4	1
1A	144	-5962	-514	4	0	23	1162	82.0	147.1	19.2	0.0	229.1	1
1B	144	-5962	-108	4	0	23	-3	82.0	18.8	4.0	0.0	100.8	1
1C	144	-5962	-514	-2	0	-25	1162	82.0	148.6	19.2	0.0	230.6	1
1D	144	-5962	-108	-2	0	-25	-3	82.0	20.3	4.0	0.0	102.4	1
1E	144	1844	-514	4	0	23	1162	25.4	147.1	19.2	0.0	172.4	1
1F	144	1844	-108	4	0	23	-3	25.4	18.8	4.0	0.0	44.2	1
1G	144	1844	-514	-2	0	-25	1162	25.4	148.6	19.2	0.0	174.0	1
1H	144	1844	-108	-2	0	-25	-3	25.4	20.3	4.0	0.0	45.7	1
1I	144	-5412	-743	8	0	10	2043	74.4	233.9	27.8	0.0	308.3	1
1J	144	-5412	122	8	0	10	-884	74.4	105.6	4.6	0.0	180.0	1
1K	144	-5412	-743	-6	0	-12	2043	74.4	235.4	27.8	0.0	309.9	1
1L	144	-5412	122	-6	0	-12	-884	74.4	107.1	4.6	0.0	181.6	1
1M	144	1294	-743	8	0	10	2043	17.8	233.9	27.8	0.0	251.7	1
1N	144	1294	122	8	0	10	-884	17.8	105.6	4.6	0.0	123.4	1
1O	144	1294	-743	-6	0	-12	2043	17.8	235.4	27.8	0.0	253.2	1
1P	144	1294	122	-6	0	-12	-884	17.8	107.1	4.6	0.0	125.0	1
2	144	-3553	-1164	2	0	0	2361	48.9	261.4	43.5	0.0	310.3	1
7	144	-3485	-902	1	0	-0	2008	47.9	222.3	33.7	0.0	270.2	1
8	144	-3267	-932	2	0	-0	1893	44.9	209.6	34.9	0.0	254.5	1

ASTA NUM. 32 NI 759 NF 760 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5621	-600	28	0	24	1162	77.3	148.1	22.4	0.0	225.4	1	
1B	0	-5621	-179	28	0	24	-4	77.3	19.9	6.7	0.0	97.2	1	
1C	0	-5621	-600	-24	0	-25	1162	77.3	149.0	22.4	0.0	226.4	1	
1D	0	-5621	-179	-24	0	-25	-4	77.3	20.9	6.7	0.0	98.2	1	
1E	0	575	-600	28	0	24	1162	7.9	148.1	22.4	0.0	156.0	1	
1F	0	575	-179	28	0	24	-4	7.9	19.9	6.7	0.0	27.8	1	
1G	0	575	-600	-24	0	-25	1162	7.9	149.0	22.4	0.0	156.9	1	
1H	0	575	-179	-24	0	-25	-4	7.9	20.9	6.7	0.0	28.8	1	
1I	0	-6416	-821	41	0	11	2043	88.3	234.8	30.7	0.0	323.1	1	
1J	0	-6416	42	41	0	11	-884	88.3	106.6	1.6	0.0	194.9	1	
1K	0	-6416	-821	-37	0	-12	2043	88.3	235.8	30.7	0.0	324.0	1	
1L	0	-6416	42	-37	0	-12	-884	88.3	107.6	1.6	0.0	195.9	1	
1M	0	1370	-821	41	0	11	2043	18.8	234.8	30.7	0.0	253.7	1	
1N	0	1370	42	41	0	11	-884	18.8	106.6	1.6	0.0	125.5	1	
1O	0	1370	-821	-37	0	-12	2043	18.8	235.8	30.7	0.0	254.6	1	
1P	0	1370	42	-37	0	-12	-884	18.8	107.6	1.6	0.0	126.5	1	
2	0	-5910	-1669	18	0	2	2359	81.3	262.7	62.4	0.0	344.0	1	
7	0	-5380	-1285	16	0	1	2006	74.0	223.1	48.1	0.0	297.1	1	
8	0	-5086	-1316	13	0	1	1891	70.0	210.2	49.2	0.0	280.2	1	
1A	72	-5622	-641	28	0	2	968	77.3	108.6	24.0	0.0	186.0	1	
1B	72	-5622	-220	28	0	2	-399	77.3	45.7	8.2	0.0	123.0	1	
1C	72	-5622	-641	-24	0	-6	968	77.3	111.7	24.0	0.0	189.0	1	
1D	72	-5622	-220	-24	0	-6	-399	77.3	48.7	8.2	0.0	126.1	1	
1E	72	574	-641	28	0	2	968	7.9	108.6	24.0	0.0	116.5	1	

1F	72	574	-220	28	0	2	-399	7.9	45.7	8.2	0.0	53.6	1
1G	72	574	-641	-24	0	-6	968	7.9	111.7	24.0	0.0	119.6	1
1H	72	574	-220	-24	0	-6	-399	7.9	48.7	8.2	0.0	56.6	1
1I	72	-6417	-862	41	0	-19	2042	88.3	241.6	32.2	0.0	329.8	1
1J	72	-6417	1	41	0	-19	-1473	88.3	178.6	1.4	0.0	266.9	1
1K	72	-6417	-862	-37	0	15	2042	88.3	238.5	32.2	0.0	326.8	1
1L	72	-6417	1	-37	0	15	-1473	88.3	175.6	1.3	0.0	263.8	1
1M	72	1369	-862	41	0	-19	2042	18.8	241.6	32.2	0.0	260.4	1
1N	72	1369	1	41	0	-19	-1473	18.8	178.6	1.4	0.0	197.5	1
1O	72	1369	-862	-37	0	15	2042	18.8	238.5	32.2	0.0	257.3	1
1P	72	1369	1	-37	0	15	-1473	18.8	175.6	1.3	0.0	194.4	1
2	72	-5912	-1722	18	0	-11	1139	81.3	134.9	64.4	0.0	216.7	3
7	72	-5382	-1338	16	0	-10	1063	74.0	126.0	50.1	0.0	200.0	1
8	72	-5088	-1370	13	0	-8	925	70.0	108.8	51.2	0.0	179.0	3
1A	144	-5623	-682	28	0	-20	744	77.3	98.8	25.5	0.0	176.1	1
1B	144	-5623	-261	28	0	-20	-824	77.3	107.6	9.7	0.0	184.9	1
1C	144	-5623	-682	-24	0	14	744	77.3	93.6	25.5	0.0	171.0	1
1D	144	-5623	-261	-24	0	14	-824	77.3	102.4	9.7	0.0	179.8	1
1E	144	573	-682	28	0	-20	744	7.9	98.8	25.5	0.0	106.7	1
1F	144	573	-261	28	0	-20	-824	7.9	107.6	9.7	0.0	115.5	1
1G	144	573	-682	-24	0	14	744	7.9	93.6	25.5	0.0	101.5	1
1H	144	573	-261	-24	0	14	-824	7.9	102.4	9.7	0.0	110.3	1
1I	144	-6418	-903	41	0	-49	2013	88.3	262.7	33.8	0.0	351.0	1
1J	144	-6418	-40	41	0	-49	-2092	88.3	271.5	1.5	0.0	359.8	1
1K	144	-6418	-903	-37	0	43	2013	88.3	257.5	33.8	0.0	345.8	1
1L	144	-6418	-40	-37	0	43	-2092	88.3	266.3	1.5	0.0	354.6	1
1M	144	1368	-903	41	0	-49	2013	18.8	262.7	33.8	0.0	281.5	1
1N	144	1368	-40	41	0	-49	-2092	18.8	271.5	1.5	0.0	290.3	1
1O	144	1368	-903	-37	0	43	2013	18.8	257.5	33.8	0.0	276.4	1
1P	144	1368	-40	-37	0	43	-2092	18.8	266.3	1.5	0.0	285.2	1
2	144	-5913	-1776	18	0	-24	-118	81.3	32.5	66.4	0.0	141.4	4
7	144	-5383	-1392	16	0	-22	81	74.0	27.0	52.1	0.0	117.2	4
8	144	-5089	-1423	13	0	-17	-79	70.0	22.6	53.2	0.0	116.2	4

ASTA NUM. 33 NI 760 NF 751 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4814	-760	55	0	14	744	66.2	93.9	28.4	0.0	160.1	1	
1B	0	-4814	-330	55	0	14	-825	66.2	102.9	12.3	0.0	169.1	1	
1C	0	-4814	-760	-59	0	-20	744	66.2	98.5	28.4	0.0	164.7	1	
1D	0	-4814	-330	-59	0	-20	-825	66.2	107.5	12.3	0.0	173.7	1	
1E	0	-1168	-760	55	0	14	744	16.1	93.9	28.4	0.0	110.0	1	
1F	0	-1168	-330	55	0	14	-825	16.1	102.9	12.3	0.0	118.9	1	
1G	0	-1168	-760	-59	0	-20	744	16.1	98.5	28.4	0.0	114.6	1	
1H	0	-1168	-330	-59	0	-20	-825	16.1	107.5	12.3	0.0	123.5	1	
1I	0	-6920	-974	66	0	43	2012	95.2	257.5	36.4	0.0	352.7	1	
1J	0	-6920	-116	66	0	43	-2093	95.2	266.4	4.3	0.0	361.6	1	
1K	0	-6920	-974	-71	0	-48	2012	95.2	262.1	36.4	0.0	357.3	1	
1L	0	-6920	-116	-71	0	-48	-2093	95.2	271.0	4.3	0.0	366.2	1	
1M	0	938	-974	66	0	43	2012	12.9	257.5	36.4	0.0	270.4	1	
1N	0	938	-116	66	0	43	-2093	12.9	266.4	4.3	0.0	279.3	1	
1O	0	938	-974	-71	0	-48	2012	12.9	262.1	36.4	0.0	275.0	1	
1P	0	938	-116	-71	0	-48	-2093	12.9	271.0	4.3	0.0	283.9	1	
2	0	-8111	-2256	-18	0	-22	-122	111.6	31.5	84.4	0.0	184.4	4	
7	0	-7120	-1756	-10	0	-21	78	97.9	25.6	65.7	0.0	150.6	4	
8	0	-6807	-1787	-14	0	-16	-81	93.6	21.9	66.8	0.0	149.3	4	
1A	72	-4815	-801	55	0	56	472	66.2	97.9	30.0	0.0	164.1	1	
1B	72	-4815	-371	55	0	56	-1366	66.2	196.8	13.9	0.0	263.0	1	
1C	72	-4815	-801	-59	0	-58	472	66.2	99.8	30.0	0.0	166.0	1	
1D	72	-4815	-371	-59	0	-58	-1366	66.2	198.7	13.9	0.0	264.9	1	
1E	72	-1169	-801	55	0	56	472	16.1	97.9	30.0	0.0	113.9	1	
1F	72	-1169	-371	55	0	56	-1366	16.1	196.8	13.9	0.0	212.8	1	
1G	72	-1169	-801	-59	0	-58	472	16.1	99.8	30.0	0.0	115.9	1	
1H	72	-1169	-371	-59	0	-58	-1366	16.1	198.7	13.9	0.0	214.8	1	
1I	72	-6921	-1015	66	0	93	1908	95.2	287.1	38.0	0.0	382.3	1	
1J	72	-6921	-157	66	0	93	-2802	95.2	386.0	5.9	0.0	481.2	1	
1K	72	-6921	-1015	-71	0	-96	1908	95.2	289.0	38.0	0.0	384.2	1	
1L	72	-6921	-157	-71	0	-96	-2802	95.2	387.9	5.9	0.0	483.1	1	
1M	72	937	-1015	66	0	93	1908	12.9	287.1	38.0	0.0	300.0	1	
1N	72	937	-157	66	0	93	-2802	12.9	386.0	5.9	0.0	398.9	1	
1O	72	937	-1015	-71	0	-96	1908	12.9	289.0	38.0	0.0	301.9	1	
1P	72	937	-157	-71	0	-96	-2802	12.9	387.9	5.9	0.0	400.8	1	
2	72	-8112	-2309	-18	0	-9	-1763	111.6	202.2	86.4	0.0	315.0	3	
7	72	-7121	-1809	-10	0	-13	-1203	98.0	143.9	67.7	0.0	241.8	1	
8	72	-6808	-1840	-14	0	-5	-1385	93.6	157.7	68.8	0.0	253.5	3	
1A	144	-4816	-842	55	0	98	171	66.2	98.6	31.5	0.0	164.8	1	
1B	144	-4816	-412	55	0	98	-1937	66.2	293.9	15.4	0.0	360.2	1	
1C	144	-4816	-842	-59	0	-97	171	66.2	97.8	31.5	0.0	164.1	1	
1D	144	-4816	-412	-59	0	-97	-1937	66.2	293.2	15.4	0.0	359.5	1	
1E	144	-1170	-842	55	0	98	171	16.1	98.6	31.5	0.0	114.6	1	
1F	144	-1170	-412	55	0	98	-1937	16.1	293.9	15.4	0.0	310.0	1	
1G	144	-1170	-842	-59	0	-97	171	16.1	97.8	31.5	0.0	113.9	1	
1H	144	-1170	-412	-59	0	-97	-1937	16.1	293.2	15.4	0.0	309.3	1	
1I	144	-6922	-1056	66	0	144	1775	95.2	313.4	39.5	0.0	408.6	1	
1J	144	-6922	-198	66	0	144	-3541	95.2	508.8	7.4	0.0	604.0	1	
1K	144	-6922	-1056	-71	0	-143	1775	95.2	312.7	39.5	0.0	407.9	1	
1L	144	-6922	-198	-71	0	-143	-3541	95.2	508.1	7.4	0.0	603.3	1	

1M	144	936	-1056	66	0	144	1775	12.9	313.4	39.5	0.0	326.3	1
1N	144	936	-198	66	0	144	-3541	12.9	508.8	7.4	0.0	521.7	1
1O	144	936	-1056	-71	0	-143	1775	12.9	312.7	39.5	0.0	325.5	1
1P	144	936	-198	-71	0	-143	-3541	12.9	508.1	7.4	0.0	520.9	1
2	144	-8114	-2362	-18	0	4	-3442	111.6	384.5	88.4	0.0	496.1	1
7	144	-7122	-1862	-10	0	-6	-2523	98.0	283.8	69.6	0.0	381.7	1
8	144	-6809	-1894	-14	0	5	-2728	93.7	305.8	70.8	0.0	399.4	1

ASTA NUM. 34 NI 751 NF 413 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4568	-906	1785	0	100	170	62.8	100.3	62.0	0.0	163.2	1	
1B	0	-4568	-474	1785	0	100	-1938	62.8	295.9	62.0	0.0	358.8	1	
1C	0	-4568	-906	-1388	0	-98	170	62.8	99.0	48.2	0.0	161.8	1	
1D	0	-4568	-474	-1388	0	-98	-1938	62.8	294.6	48.2	0.0	357.4	1	
1E	0	-1920	-906	1785	0	100	170	26.4	100.3	62.0	0.0	126.8	1	
1F	0	-1920	-474	1785	0	100	-1938	26.4	295.9	62.0	0.0	322.3	1	
1G	0	-1920	-906	-1388	0	-98	170	26.4	99.0	48.2	0.0	125.4	1	
1H	0	-1920	-474	-1388	0	-98	-1938	26.4	294.6	48.2	0.0	321.0	1	
1I	0	-6750	-1117	2893	0	146	1775	92.8	315.2	100.5	0.0	408.1	1	
1J	0	-6750	-264	2893	0	146	-3542	92.8	510.8	100.5	0.0	603.6	1	
1K	0	-6750	-1117	-2496	0	-144	1775	92.8	313.9	86.7	0.0	406.7	1	
1L	0	-6750	-264	-2496	0	-144	-3542	92.8	509.5	86.7	0.0	602.3	1	
1M	0	262	-1117	2893	0	146	1775	3.6	315.2	100.5	0.0	318.8	1	
1N	0	262	-264	2893	0	146	-3542	3.6	510.8	100.5	0.0	514.4	1	
1O	0	262	-1117	-2496	0	-144	1775	3.6	313.9	86.7	0.0	317.5	1	
1P	0	262	-264	-2496	0	-144	-3542	3.6	509.5	86.7	0.0	513.1	1	
2	0	-9157	-2801	576	0	6	-3447	126.0	386.3	104.8	0.0	512.3	1	
7	0	-7916	-2194	305	0	-5	-2526	108.9	283.2	82.1	0.0	392.1	1	
8	0	-7644	-2226	512	0	6	-2732	105.1	307.3	83.3	0.0	412.4	1	
1A	12	-4568	-913	1785	0	-123	109	62.8	112.5	62.0	0.0	175.3	1	
1B	12	-4568	-481	1785	0	-123	-2050	62.8	327.2	62.0	0.0	390.0	1	
1C	12	-4568	-913	-1388	0	75	109	62.8	73.3	48.2	0.0	136.2	1	
1D	12	-4568	-481	-1388	0	75	-2050	62.8	288.1	48.2	0.0	350.9	1	
1E	12	-1921	-913	1785	0	-123	109	26.4	112.5	62.0	0.0	138.9	1	
1F	12	-1921	-481	1785	0	-123	-2050	26.4	327.2	62.0	0.0	353.6	1	
1G	12	-1921	-913	-1388	0	75	109	26.4	73.3	48.2	0.0	103.4	3	
1H	12	-1921	-481	-1388	0	75	-2050	26.4	288.1	48.2	0.0	314.5	1	
1I	12	-6750	-1124	2893	0	-216	1741	92.9	368.5	100.5	0.0	461.3	1	
1J	12	-6750	-271	2893	0	-216	-3682	92.9	583.2	100.5	0.0	676.1	1	
1K	12	-6750	-1124	-2496	0	168	1741	92.9	329.3	86.7	0.0	422.2	1	
1L	12	-6750	-271	-2496	0	168	-3682	92.9	544.1	86.7	0.0	636.9	1	
1M	12	261	-1124	2893	0	-216	1741	3.6	368.5	100.5	0.0	372.1	1	
1N	12	261	-271	2893	0	-216	-3682	3.6	583.2	100.5	0.0	586.8	1	
1O	12	261	-1124	-2496	0	168	1741	3.6	329.3	86.7	0.0	332.9	1	
1P	12	261	-271	-2496	0	168	-3682	3.6	544.1	86.7	0.0	547.7	1	
2	12	-9158	-2810	576	0	-66	-3797	126.0	473.8	105.1	0.0	599.8	1	
7	12	-7916	-2204	305	0	-43	-2801	108.9	344.6	82.4	0.0	453.5	1	
8	12	-7644	-2235	512	0	-58	-3010	105.2	380.2	83.6	0.0	485.4	1	
1A	25	-4569	-920	1785	0	-346	46	62.8	287.5	62.0	0.0	350.3	1	
1B	25	-4569	-489	1785	0	-346	-2162	62.8	521.6	62.0	0.0	584.4	1	
1C	25	-4569	-920	-1388	0	249	46	62.8	207.9	48.2	0.0	270.7	1	
1D	25	-4569	-489	-1388	0	249	-2162	62.8	442.0	48.2	0.0	504.8	1	
1E	25	-1921	-920	1785	0	-346	46	26.4	287.5	62.0	0.0	313.9	1	
1F	25	-1921	-489	1785	0	-346	-2162	26.4	521.6	62.0	0.0	548.0	1	
1G	25	-1921	-920	-1388	0	249	46	26.4	207.9	48.2	0.0	234.3	1	
1H	25	-1921	-489	-1388	0	249	-2162	26.4	442.0	48.2	0.0	468.4	1	
1I	25	-6751	-1131	2893	0	-578	1706	92.9	659.4	100.5	0.0	752.3	1	
1J	25	-6751	-278	2893	0	-578	-3822	92.9	893.5	100.5	0.0	986.4	1	
1K	25	-6751	-1131	-2496	0	480	1706	92.9	579.8	86.7	0.0	672.7	1	
1L	25	-6751	-278	-2496	0	480	-3822	92.9	813.9	86.7	0.0	906.8	1	
1M	25	261	-1131	2893	0	-578	1706	3.6	659.4	100.5	0.0	663.0	1	
1N	25	261	-278	2893	0	-578	-3822	3.6	893.5	100.5	0.0	897.1	1	
1O	25	261	-1131	-2496	0	480	1706	3.6	579.8	86.7	0.0	583.4	1	
1P	25	261	-278	-2496	0	480	-3822	3.6	813.9	86.7	0.0	817.5	1	
2	25	-9158	-2820	576	0	-138	-4149	126.0	571.4	105.5	0.0	697.4	1	
7	25	-7916	-2213	305	0	-81	-3077	108.9	406.2	82.8	0.0	515.1	1	
8	25	-7645	-2244	512	0	-122	-3290	105.2	463.3	83.9	0.0	568.5	1	

ASTA NUM. 35 NI 807 NF 806 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-895	-216	191	0	240	318	12.3	230.6	8.1	0.0	242.9	1	
1B	0	-895	283	191	0	240	-157	12.3	212.9	10.6	0.0	225.2	1	
1C	0	-895	-216	-140	0	-180	318	12.3	182.2	8.1	0.0	194.5	1	
1D	0	-895	283	-140	0	-180	-157	12.3	164.4	10.6	0.0	176.7	1	
1E	0	1544	-216	191	0	240	318	21.2	230.6	8.1	0.0	251.9	1	
1F	0	1544	283	191	0	240	-157	21.2	212.9	10.6	0.0	234.1	1	
1G	0	1544	-216	-140	0	-180	318	21.2	182.2	8.1	0.0	203.4	1	
1H	0	1544	283	-140	0	-180	-157	21.2	164.4	10.6	0.0	185.6	1	

1I	0	-1326	-347	429	0	558	447	18.2	503.9	14.9	0.0	522.1	1
1J	0	-1326	414	429	0	558	-286	18.2	486.1	15.5	0.0	504.4	1
1K	0	-1326	-347	-378	0	-498	447	18.2	455.4	13.1	0.0	473.7	1
1L	0	-1326	414	-378	0	-498	-286	18.2	437.6	15.5	0.0	455.9	1
1M	0	1976	-347	429	0	558	447	27.2	503.9	14.9	0.0	531.1	1
1N	0	1976	414	429	0	558	-286	27.2	486.1	15.5	0.0	513.3	1
1O	0	1976	-347	-378	0	-498	447	27.2	455.4	13.1	0.0	482.6	1
1P	0	1976	414	-378	0	-498	-286	27.2	437.6	15.5	0.0	464.8	1
2	0	2642	274	245	0	301	183	36.3	265.8	10.2	0.0	302.1	1
7	0	2389	232	238	0	293	164	32.9	257.1	8.7	0.0	290.0	1
8	0	1980	248	171	0	210	116	27.2	183.5	9.3	0.0	210.8	1
1A	72	-894	-257	191	0	102	146	12.3	99.0	9.6	0.0	111.3	1
1B	72	-894	242	191	0	102	33	12.3	86.6	9.1	0.0	98.9	1
1C	72	-894	-257	-140	0	-79	146	12.3	80.6	9.6	0.0	92.9	1
1D	72	-894	242	-140	0	-79	33	12.3	68.1	9.1	0.0	80.4	1
1E	72	1545	-257	191	0	102	146	21.3	99.0	9.6	0.0	120.3	1
1F	72	1545	242	191	0	102	33	21.3	86.6	9.1	0.0	107.8	1
1G	72	1545	-257	-140	0	-79	146	21.3	80.6	9.6	0.0	101.8	1
1H	72	1545	242	-140	0	-79	33	21.3	68.1	9.1	0.0	89.4	1
1I	72	-1325	-388	429	0	248	182	18.2	221.9	14.9	0.0	240.1	1
1J	72	-1325	373	429	0	248	-2	18.2	202.0	14.9	0.0	220.3	1
1K	72	-1325	-388	-378	0	-225	182	18.2	203.4	14.5	0.0	221.7	1
1L	72	-1325	373	-378	0	-225	-2	18.2	183.6	14.0	0.0	201.8	1
1M	72	1977	-388	429	0	248	182	27.2	221.9	14.9	0.0	249.1	1
1N	72	1977	373	429	0	248	-2	27.2	202.0	14.9	0.0	229.2	1
1O	72	1977	-388	-378	0	-225	182	27.2	203.4	14.5	0.0	230.6	1
1P	72	1977	373	-378	0	-225	-2	27.2	183.6	14.0	0.0	210.8	1
2	72	2644	220	245	0	125	361	36.4	141.7	8.5	0.0	178.1	1
7	72	2390	179	238	0	122	311	32.9	134.2	8.3	0.0	167.1	1
8	72	1981	195	171	0	86	275	27.2	100.7	7.3	0.0	127.9	1
1A	144	-893	-298	191	0	-37	-55	12.3	35.8	11.2	0.0	48.1	1
1B	144	-893	201	191	0	-37	194	12.3	51.2	7.5	0.0	63.5	1
1C	144	-893	-298	-140	0	22	-55	12.3	24.3	11.2	0.0	36.5	1
1D	144	-893	201	-140	0	22	194	12.3	39.7	7.5	0.0	51.9	1
1E	144	1546	-298	191	0	-37	-55	21.3	35.8	11.2	0.0	57.1	1
1F	144	1546	201	191	0	-37	194	21.3	51.2	7.5	0.0	72.5	1
1G	144	1546	-298	-140	0	22	-55	21.3	24.3	11.2	0.0	45.5	1
1H	144	1546	201	-140	0	22	194	21.3	39.7	7.5	0.0	60.9	1
1I	144	-1324	-429	429	0	-62	-113	18.2	63.4	16.0	0.0	81.6	1
1J	144	-1324	332	429	0	-62	253	18.2	78.8	14.9	0.0	97.0	1
1K	144	-1324	-429	-378	0	48	-113	18.2	51.8	16.0	0.0	70.0	1
1L	144	-1324	332	-378	0	48	253	18.2	67.2	13.1	0.0	85.4	1
1M	144	1978	-429	429	0	-62	-113	27.2	63.4	16.0	0.0	90.6	1
1N	144	1978	332	429	0	-62	253	27.2	78.8	14.9	0.0	106.0	1
1O	144	1978	-429	-378	0	48	-113	27.2	51.8	16.0	0.0	79.0	1
1P	144	1978	332	-378	0	48	253	27.2	67.2	13.1	0.0	94.4	1
2	144	2645	167	245	0	-51	500	36.4	97.2	8.5	0.0	133.6	1
7	144	2392	126	238	0	-48	421	32.9	86.0	8.3	0.0	118.9	1
8	144	1982	141	171	0	-37	395	27.3	73.9	6.0	0.0	101.2	1

ASTA NUM. 36 NI 806 NF 744 Lungh. 131.3 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-900	-365	46	0	18	194	12.4	36.3	13.7	0.0	48.6	1	
1B	0	-900	145	46	0	18	-54	12.4	20.7	5.4	0.0	33.1	1	
1C	0	-900	-365	-54	0	-31	194	12.4	46.4	13.7	0.0	58.8	1	
1D	0	-900	145	-54	0	-31	-54	12.4	30.9	5.4	0.0	43.2	1	
1E	0	1559	-365	46	0	18	194	21.4	36.3	13.7	0.0	57.7	1	
1F	0	1559	145	46	0	18	-54	21.4	20.7	5.4	0.0	42.2	1	
1G	0	1559	-365	-54	0	-31	194	21.4	46.4	13.7	0.0	67.8	1	
1H	0	1559	145	-54	0	-31	-54	21.4	30.9	5.4	0.0	52.3	1	
1I	0	-1353	-495	33	0	38	253	18.6	58.8	18.5	0.0	77.4	1	
1J	0	-1353	275	33	0	38	-113	18.6	43.3	10.3	0.0	61.9	1	
1K	0	-1353	-495	-41	0	-50	253	18.6	68.9	18.5	0.0	87.5	1	
1L	0	-1353	275	-41	0	-50	-113	18.6	53.4	10.3	0.0	72.0	1	
1M	0	2012	-495	33	0	38	253	27.7	58.8	18.5	0.0	86.5	1	
1N	0	2012	275	33	0	38	-113	27.7	43.3	10.3	0.0	71.0	1	
1O	0	2012	-495	-41	0	-50	253	27.7	68.9	18.5	0.0	96.6	1	
1P	0	2012	275	-41	0	-50	-113	27.7	53.4	10.3	0.0	81.1	1	
2	0	2666	-272	-29	0	-43	503	36.7	91.0	10.2	0.0	127.7	1	
7	0	2409	-206	-27	0	-41	423	33.1	80.2	7.7	0.0	113.3	1	
8	0	1998	-190	-21	0	-31	397	27.5	69.6	7.1	0.0	97.1	1	
1A	66	-899	-403	46	0	43	277	12.4	66.0	15.1	0.0	78.3	1	
1B	66	-899	108	46	0	43	-306	12.4	69.2	4.0	0.0	81.6	1	
1C	66	-899	-403	-54	0	-51	277	12.4	71.9	15.1	0.0	84.2	1	
1D	66	-899	108	-54	0	-51	-306	12.4	75.1	4.0	0.0	87.5	1	
1E	66	1560	-403	46	0	43	277	21.5	66.0	15.1	0.0	87.4	1	
1F	66	1560	108	46	0	43	-306	21.5	69.2	4.0	0.0	90.7	1	
1G	66	1560	-403	-54	0	-51	277	21.5	71.9	15.1	0.0	93.3	1	
1H	66	1560	108	-54	0	-51	-306	21.5	75.1	4.0	0.0	96.6	1	
1I	66	-1352	-533	33	0	3	420	18.6	49.0	19.9	0.0	67.6	1	
1J	66	-1352	237	33	0	3	-450	18.6	52.2	8.9	0.0	70.8	1	
1K	66	-1352	-533	-41	0	-10	420	18.6	54.9	19.9	0.0	73.5	1	
1L	66	-1352	237	-41	0	-10	-450	18.6	58.1	8.9	0.0	76.7	1	
1M	66	2013	-533	33	0	3	420	27.7	49.0	19.9	0.0	76.7	1	
1N	66	2013	237	33	0	3	-450	27.7	52.2	8.9	0.0	79.9	1	
1O	66	2013	-533	-41	0	-10	420	27.7	54.9	19.9	0.0	82.6	1	

1P	66	2013	237	-41	0	-10	-450	27.7	58.1	8.9	0.0	85.8	1
2	66	2667	-321	-29	0	-24	308	36.7	53.8	12.0	0.0	90.5	1
7	66	2410	-255	-27	0	-23	272	33.2	48.9	9.5	0.0	82.0	1
8	66	1999	-239	-21	0	-18	257	27.5	42.7	8.9	0.0	70.2	1
1A	131	-898	-440	46	0	69	334	12.4	93.0	16.5	0.0	105.3	1
1B	131	-898	70	46	0	69	-582	12.4	120.4	2.6	0.0	132.7	1
1C	131	-898	-440	-54	0	-71	334	12.4	94.7	16.5	0.0	107.0	1
1D	131	-898	70	-54	0	-71	-582	12.4	122.1	2.6	0.0	134.4	1
1E	131	1561	-440	46	0	69	334	21.5	93.0	16.5	0.0	114.5	1
1F	131	1561	70	46	0	69	-582	21.5	120.4	2.6	0.0	141.8	1
1G	131	1561	-440	-54	0	-71	334	21.5	94.7	16.5	0.0	116.1	1
1H	131	1561	70	-54	0	-71	-582	21.5	122.1	2.6	0.0	143.5	1
1I	131	-1351	-570	33	0	-32	563	18.6	88.1	21.3	0.0	106.7	1
1J	131	-1351	200	33	0	-32	-811	18.6	115.5	7.5	0.0	134.1	1
1K	131	-1351	-570	-41	0	30	563	18.6	86.5	21.3	0.0	105.0	1
1L	131	-1351	200	-41	0	30	-811	18.6	113.9	7.5	0.0	132.4	1
1M	131	2014	-570	33	0	-32	563	27.7	88.1	21.3	0.0	115.9	1
1N	131	2014	200	33	0	-32	-811	27.7	115.5	7.5	0.0	143.2	1
1O	131	2014	-570	-41	0	30	563	27.7	86.5	21.3	0.0	114.2	1
1P	131	2014	200	-41	0	30	-811	27.7	113.9	7.5	0.0	141.6	1
2	131	2668	-370	-29	0	-5	81	36.7	13.0	13.8	0.0	49.7	1
7	131	2412	-303	-27	0	-5	89	33.2	14.0	11.3	0.0	47.2	1
8	131	2000	-288	-21	0	-4	84	27.5	12.2	10.8	0.0	39.7	1

ASTA NUM. 37 NI 744 NF 805 Lungh. 12.5 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-730	101	354	0	59	71	10.0	56.3	12.3	0.0	66.3	1	
1B	0	-730	308	354	0	59	-273	10.0	78.7	12.3	0.0	88.7	1	
1C	0	-730	101	-357	0	-61	71	10.0	57.9	12.4	0.0	68.0	1	
1D	0	-730	308	-357	0	-61	-273	10.0	80.3	12.4	0.0	90.3	1	
1E	0	1194	101	354	0	59	71	16.4	56.3	12.3	0.0	72.7	1	
1F	0	1194	308	354	0	59	-273	16.4	78.7	12.3	0.0	95.1	1	
1G	0	1194	101	-357	0	-61	71	16.4	57.9	12.4	0.0	74.3	1	
1H	0	1194	308	-357	0	-61	-273	16.4	80.3	12.4	0.0	96.7	1	
1I	0	-175	126	132	0	25	6	2.4	21.0	4.7	0.0	23.4	1	
1J	0	-175	283	132	0	25	-208	2.4	43.4	10.6	0.0	45.8	1	
1K	0	-175	126	-134	0	-27	6	2.4	22.6	4.7	0.0	25.0	1	
1L	0	-175	283	-134	0	-27	-208	2.4	45.0	10.6	0.0	47.4	1	
1M	0	639	126	132	0	25	6	8.8	21.0	4.7	0.0	29.8	1	
1N	0	639	283	132	0	25	-208	8.8	43.4	10.6	0.0	52.1	1	
1O	0	639	126	-134	0	-27	6	8.8	22.6	4.7	0.0	31.4	1	
1P	0	639	283	-134	0	-27	-208	8.8	45.0	10.6	0.0	53.8	1	
2	0	915	744	-17	0	-5	-314	12.6	38.4	27.8	0.0	58.3	3	
7	0	815	598	-18	0	-5	-280	11.2	34.8	22.4	0.0	50.0	3	
8	0	658	564	-11	0	-3	-220	9.1	27.1	21.1	0.0	42.5	3	
1A	6	-730	97	354	0	37	79	10.0	39.3	12.3	0.0	49.3	1	
1B	6	-730	305	354	0	37	-256	10.0	58.8	12.3	0.0	68.9	1	
1C	6	-730	97	-357	0	-39	79	10.0	40.8	12.4	0.0	50.8	1	
1D	6	-730	305	-357	0	-39	-256	10.0	60.3	12.4	0.0	70.4	1	
1E	6	1194	97	354	0	37	79	16.4	39.3	12.3	0.0	55.7	1	
1F	6	1194	305	354	0	37	-256	16.4	58.8	12.3	0.0	75.3	1	
1G	6	1194	97	-357	0	-39	79	16.4	40.8	12.4	0.0	57.2	1	
1H	6	1194	305	-357	0	-39	-256	16.4	60.3	12.4	0.0	76.8	1	
1I	6	-175	122	132	0	17	20	2.4	16.0	4.6	0.0	18.4	1	
1J	6	-175	280	132	0	17	-196	2.4	35.6	10.5	0.0	38.0	1	
1K	6	-175	122	-134	0	-19	20	2.4	17.5	4.7	0.0	19.9	1	
1L	6	-175	280	-134	0	-19	-196	2.4	37.1	10.5	0.0	39.5	1	
1M	6	639	122	132	0	17	20	8.8	16.0	4.6	0.0	24.8	1	
1N	6	639	280	132	0	17	-196	8.8	35.6	10.5	0.0	44.4	1	
1O	6	639	122	-134	0	-19	20	8.8	17.5	4.7	0.0	26.3	1	
1P	6	639	280	-134	0	-19	-196	8.8	37.1	10.5	0.0	45.9	1	
2	6	915	739	-17	0	-3	-267	12.6	32.4	27.7	0.0	54.6	3	
7	6	815	593	-18	0	-4	-243	11.2	29.8	22.2	0.0	46.8	3	
8	6	659	559	-11	0	-3	-185	9.1	22.6	20.9	0.0	39.7	3	
1A	13	-730	93	354	0	15	87	10.0	22.2	12.3	0.0	32.3	1	
1B	13	-730	301	354	0	15	-239	10.0	39.0	12.3	0.0	49.1	1	
1C	13	-730	93	-357	0	-17	87	10.0	23.6	12.4	0.0	33.6	1	
1D	13	-730	301	-357	0	-17	-239	10.0	40.4	12.4	0.0	50.4	1	
1E	13	1194	93	354	0	15	87	16.4	22.2	12.3	0.0	38.6	1	
1F	13	1194	301	354	0	15	-239	16.4	39.0	12.3	0.0	55.5	1	
1G	13	1194	93	-357	0	-17	87	16.4	23.6	12.4	0.0	40.0	1	
1H	13	1194	301	-357	0	-17	-239	16.4	40.4	12.4	0.0	56.8	1	
1I	13	-175	118	132	0	9	33	2.4	11.0	4.6	0.0	13.4	1	
1J	13	-175	276	132	0	9	-185	2.4	27.8	10.3	0.0	30.2	1	
1K	13	-175	118	-134	0	-11	33	2.4	12.4	4.7	0.0	14.8	1	
1L	13	-175	276	-134	0	-11	-185	2.4	29.2	10.3	0.0	31.6	1	
1M	13	639	118	132	0	9	33	8.8	11.0	4.6	0.0	19.8	1	
1N	13	639	276	132	0	9	-185	8.8	27.8	10.3	0.0	36.6	1	
1O	13	639	118	-134	0	-11	33	8.8	12.4	4.7	0.0	21.2	1	
1P	13	639	276	-134	0	-11	-185	8.8	29.2	10.3	0.0	38.0	1	
2	13	915	735	-17	0	-2	-221	12.6	26.4	27.5	0.0	51.0	3	
7	13	815	589	-18	0	-3	-206	11.2	24.8	22.0	0.0	43.8	3	
8	13	659	555	-11	0	-2	-150	9.1	18.2	20.7	0.0	37.1	4	

ASTA NUM. 38 NI 805 NF 804 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-721	32	14	0	16	87	9.9	22.3	1.2	0.0	32.3	1	
1B	0	-721	220	14	0	16	-238	9.9	39.0	8.2	0.0	49.0	1	
1C	0	-721	32	-2	0	-15	87	9.9	22.1	1.2	0.0	32.0	1	
1D	0	-721	220	-2	0	-15	-238	9.9	38.8	8.2	0.0	48.7	1	
1E	0	1190	32	14	0	16	87	16.4	22.3	1.2	0.0	38.7	1	
1F	0	1190	220	14	0	16	-238	16.4	39.0	8.2	0.0	55.4	1	
1G	0	1190	32	-2	0	-15	87	16.4	22.1	1.2	0.0	38.5	1	
1H	0	1190	220	-2	0	-15	-238	16.4	38.8	8.2	0.0	55.2	1	
1I	0	-153	54	14	0	11	33	2.1	12.4	2.0	0.0	14.5	1	
1J	0	-153	198	14	0	11	-184	2.1	29.1	7.4	0.0	31.2	1	
1K	0	-153	54	-2	0	-10	33	2.1	12.1	2.0	0.0	14.2	1	
1L	0	-153	198	-2	0	-10	-184	2.1	28.8	7.4	0.0	30.9	1	
1M	0	622	54	14	0	11	33	8.6	12.4	2.0	0.0	20.9	1	
1N	0	622	198	14	0	11	-184	8.6	29.1	7.4	0.0	37.6	1	
1O	0	622	54	-2	0	-10	33	8.6	12.1	2.0	0.0	20.6	1	
1P	0	622	198	-2	0	-10	-184	8.6	28.8	7.4	0.0	37.3	1	
2	0	936	247	29	0	6	-218	12.9	29.0	9.2	0.0	41.9	1	
7	0	833	219	24	0	5	-204	11.5	26.8	8.2	0.0	38.3	1	
8	0	674	186	23	0	4	-148	9.3	19.7	6.9	0.0	29.0	1	
1A	72	-720	-9	14	0	8	118	9.9	19.4	0.5	0.0	29.3	1	
1B	72	-720	179	14	0	8	-118	9.9	19.4	6.7	0.0	29.3	1	
1C	72	-720	-9	-2	0	-15	118	9.9	25.7	0.3	0.0	35.6	1	
1D	72	-720	179	-2	0	-15	-118	9.9	25.6	6.7	0.0	35.5	1	
1E	72	1191	-9	14	0	8	118	16.4	19.4	0.5	0.0	35.8	1	
1F	72	1191	179	14	0	8	-118	16.4	19.4	6.7	0.0	35.7	1	
1G	72	1191	-9	-2	0	-15	118	16.4	25.7	0.3	0.0	42.1	1	
1H	72	1191	179	-2	0	-15	-118	16.4	25.6	6.7	0.0	42.0	1	
1I	72	-152	13	14	0	-1	123	2.1	14.4	0.5	0.0	16.5	1	
1J	72	-152	157	14	0	-1	-123	2.1	14.3	5.9	0.0	16.7	3	
1K	72	-152	13	-2	0	-7	123	2.1	19.1	0.5	0.0	21.2	1	
1L	72	-152	157	-2	0	-7	-123	2.1	19.1	5.9	0.0	21.2	1	
1M	72	623	13	14	0	-1	123	8.6	14.4	0.5	0.0	22.9	1	
1N	72	623	157	14	0	-1	-123	8.6	14.3	5.9	0.0	22.9	1	
1O	72	623	13	-2	0	-7	123	8.6	19.1	0.5	0.0	27.7	1	
1P	72	623	157	-2	0	-7	-123	8.6	19.1	5.9	0.0	27.7	1	
2	72	938	194	29	0	-15	-60	12.9	19.1	7.2	0.0	32.0	1	
7	72	835	166	24	0	-12	-65	11.5	16.9	6.2	0.0	28.4	1	
8	72	675	132	23	0	-12	-34	9.3	13.7	5.0	0.0	23.0	1	
1A	144	-719	-50	14	0	-0	120	9.9	13.2	1.9	0.0	23.1	1	
1B	144	-719	138	14	0	-0	-27	9.9	3.0	5.1	0.0	14.4	3	
1C	144	-719	-50	-2	0	-16	120	9.9	26.0	1.9	0.0	35.9	1	
1D	144	-719	138	-2	0	-16	-27	9.9	15.8	5.1	0.0	25.6	1	
1E	144	1192	-50	14	0	-0	120	16.4	13.2	1.9	0.0	29.6	1	
1F	144	1192	138	14	0	-0	-27	16.4	3.0	5.1	0.0	20.3	3	
1G	144	1192	-50	-2	0	-16	120	16.4	26.0	1.9	0.0	42.4	1	
1H	144	1192	138	-2	0	-16	-27	16.4	15.8	5.1	0.0	32.2	1	
1I	144	-151	-28	14	0	-12	183	2.1	30.5	1.1	0.0	32.6	1	
1J	144	-151	116	14	0	-12	-90	2.1	20.2	4.3	0.0	22.3	1	
1K	144	-151	-28	-2	0	-3	183	2.1	22.9	1.1	0.0	25.0	1	
1L	144	-151	116	-2	0	-3	-90	2.1	12.6	4.3	0.0	14.7	1	
1M	144	624	-28	14	0	-12	183	8.6	30.5	1.1	0.0	39.1	1	
1N	144	624	116	14	0	-12	-90	8.6	20.2	4.3	0.0	28.8	1	
1O	144	624	-28	-2	0	-3	183	8.6	22.9	1.1	0.0	31.5	1	
1P	144	624	116	-2	0	-3	-90	8.6	12.6	4.3	0.0	21.2	1	
2	144	939	140	29	0	-36	60	12.9	36.3	5.2	0.0	49.2	1	
7	144	836	112	24	0	-29	35	11.5	27.6	4.2	0.0	39.1	1	
8	144	677	79	23	0	-28	42	9.3	27.9	3.0	0.0	37.2	1	

ASTA NUM. 39 NI 804 NF 746 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-711	-108	23	0	2	120	9.8	14.9	4.1	0.0	24.7	1	
1B	0	-711	59	23	0	2	-26	9.8	4.5	2.2	0.0	14.3	1	
1C	0	-711	-108	-36	0	-16	120	9.8	26.4	4.1	0.0	36.1	1	
1D	0	-711	59	-36	0	-16	-26	9.8	16.0	2.2	0.0	25.8	1	
1E	0	1190	-108	23	0	2	120	16.4	14.9	4.1	0.0	31.3	1	
1F	0	1190	59	23	0	2	-26	16.4	4.5	2.2	0.0	20.9	1	
1G	0	1190	-108	-36	0	-16	120	16.4	26.4	4.1	0.0	42.7	1	
1H	0	1190	59	-36	0	-16	-26	16.4	16.0	2.2	0.0	32.4	1	
1I	0	-137	-90	11	0	4	184	1.9	23.3	3.4	0.0	25.2	1	
1J	0	-137	41	11	0	4	-90	1.9	13.0	1.5	0.0	14.8	1	
1K	0	-137	-90	-24	0	-18	184	1.9	34.8	3.4	0.0	36.7	1	
1L	0	-137	41	-24	0	-18	-90	1.9	24.4	1.5	0.0	26.3	1	
1M	0	616	-90	11	0	4	184	8.5	23.3	3.4	0.0	31.8	1	
1N	0	616	41	11	0	4	-90	8.5	13.0	1.5	0.0	21.4	1	
1O	0	616	-90	-24	0	-18	184	8.5	34.8	3.4	0.0	43.3	1	
1P	0	616	41	-24	0	-18	-90	8.5	24.4	1.5	0.0	32.9	1	
2	0	960	-333	-25	0	-29	62	13.2	30.3	12.4	0.0	43.5	1	
7	0	853	-246	-19	0	-22	36	11.7	21.8	9.2	0.0	33.6	1	

8	0	692	-278	-20	0	-23	44	9.5	23.7	10.4	0.0	33.2	1
1A	72	-710	-149	23	0	24	118	9.8	32.5	5.6	0.0	42.2	1
1B	72	-710	18	23	0	24	-89	9.8	29.3	0.8	0.0	39.0	1
1C	72	-710	-149	-36	0	-29	118	9.8	36.3	5.6	0.0	46.1	1
1D	72	-710	18	-36	0	-29	-89	9.8	33.1	1.2	0.0	42.9	1
1E	72	1191	-149	23	0	24	118	16.4	32.5	5.6	0.0	48.8	1
1F	72	1191	18	23	0	24	-89	16.4	29.3	0.8	0.0	45.6	1
1G	72	1191	-149	-36	0	-29	118	16.4	36.3	5.6	0.0	52.7	1
1H	72	1191	18	-36	0	-29	-89	16.4	33.1	1.2	0.0	49.5	1
1I	72	-136	-131	11	0	-6	188	1.9	25.7	4.9	0.0	27.5	1
1J	72	-136	0	11	0	-6	-160	1.9	22.5	0.4	0.0	24.3	1
1K	72	-136	-131	-24	0	1	188	1.9	21.8	4.9	0.0	23.7	1
1L	72	-136	0	-24	0	1	-160	1.9	18.6	0.8	0.0	20.5	1
1M	72	617	-131	11	0	-6	188	8.5	25.7	4.9	0.0	34.2	1
1N	72	617	0	11	0	-6	-160	8.5	22.5	0.4	0.0	31.0	1
1O	72	617	-131	-24	0	1	188	8.5	21.8	4.9	0.0	30.3	1
1P	72	617	0	-24	0	1	-160	8.5	18.6	0.8	0.0	27.1	1
2	72	961	-386	-25	0	-11	-197	13.2	30.5	14.4	0.0	43.7	1
7	72	855	-299	-19	0	-8	-159	11.8	24.4	11.2	0.0	36.2	1
8	72	693	-332	-20	0	-8	-176	9.5	26.3	12.4	0.0	35.8	1
1A	144	-709	-190	23	0	46	86	9.7	46.8	7.1	0.0	56.5	1
1B	144	-709	-23	23	0	46	-181	9.7	57.2	0.9	0.0	67.0	1
1C	144	-709	-190	-36	0	-41	86	9.7	43.0	7.1	0.0	52.8	1
1D	144	-709	-23	-36	0	-41	-181	9.7	53.5	1.2	0.0	63.3	1
1E	144	1192	-190	23	0	46	86	16.4	46.8	7.1	0.0	63.1	1
1F	144	1192	-23	23	0	46	-181	16.4	57.2	0.9	0.0	73.6	1
1G	144	1192	-190	-36	0	-41	86	16.4	43.0	7.1	0.0	59.4	1
1H	144	1192	-23	-36	0	-41	-181	16.4	53.5	1.2	0.0	69.9	1
1I	144	-135	-172	11	0	-16	164	1.9	30.8	6.5	0.0	32.6	1
1J	144	-135	-41	11	0	-16	-259	1.9	41.3	1.5	0.0	43.1	1
1K	144	-135	-172	-24	0	20	164	1.9	34.5	6.5	0.0	36.4	1
1L	144	-135	-41	-24	0	20	-259	1.9	45.0	1.5	0.0	46.8	1
1M	144	618	-172	11	0	-16	164	8.5	30.8	6.5	0.0	39.3	1
1N	144	618	-41	11	0	-16	-259	8.5	41.3	1.5	0.0	49.8	1
1O	144	618	-172	-24	0	20	164	8.5	34.5	6.5	0.0	43.0	1
1P	144	618	-41	-24	0	20	-259	8.5	45.0	1.5	0.0	53.5	1
2	144	962	-439	-25	0	7	-493	13.2	60.7	16.4	0.0	73.9	1
7	144	856	-352	-19	0	5	-393	11.8	47.8	13.2	0.0	59.6	1
8	144	694	-385	-20	0	6	-433	9.6	53.0	14.4	0.0	62.6	1

ASTA NUM. 40 NI 746 NF 734 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-937	-313	20	0	44	271	12.9	66.1	11.7	0.0	78.9	1	
1B	0	-937	400	20	0	44	-329	12.9	72.4	15.0	0.0	85.3	1	
1C	0	-937	-313	-20	0	-41	271	12.9	63.6	11.7	0.0	76.5	1	
1D	0	-937	400	-20	0	-41	-329	12.9	70.0	15.0	0.0	82.8	1	
1E	0	1425	-313	20	0	44	271	19.6	66.1	11.7	0.0	85.7	1	
1F	0	1425	400	20	0	44	-329	19.6	72.4	15.0	0.0	92.0	1	
1G	0	1425	-313	-20	0	-41	271	19.6	63.6	11.7	0.0	83.2	1	
1H	0	1425	400	-20	0	-41	-329	19.6	70.0	15.0	0.0	89.6	1	
1I	0	-308	-738	15	0	20	585	4.2	81.4	27.6	0.0	85.6	1	
1J	0	-308	825	15	0	20	-642	4.2	87.8	30.8	0.0	92.0	1	
1K	0	-308	-738	-15	0	-17	585	4.2	78.9	27.6	0.0	83.1	1	
1L	0	-308	825	-15	0	-17	-642	4.2	85.3	30.8	0.0	89.5	1	
1M	0	796	-738	15	0	20	585	11.0	81.4	27.6	0.0	92.3	1	
1N	0	796	825	15	0	20	-642	11.0	87.8	30.8	0.0	98.7	1	
1O	0	796	-738	-15	0	-17	585	11.0	78.9	27.6	0.0	89.8	1	
1P	0	796	825	-15	0	-17	-642	11.0	85.3	30.8	0.0	96.2	1	
2	0	984	924	3	0	8	-750	13.5	89.5	34.5	0.0	103.0	1	
7	0	820	796	3	0	7	-637	11.3	76.1	29.8	0.0	87.4	1	
8	0	766	787	2	0	6	-632	10.5	74.9	29.4	0.0	85.4	1	
1A	38	-936	-334	20	0	50	153	12.9	57.5	12.5	0.0	70.4	1	
1B	38	-936	379	20	0	50	-186	12.9	61.2	14.2	0.0	74.1	1	
1C	38	-936	-334	-20	0	-47	153	12.9	55.0	12.5	0.0	67.9	1	
1D	38	-936	379	-20	0	-47	-186	12.9	58.7	14.2	0.0	71.6	1	
1E	38	1426	-334	20	0	50	153	19.6	57.5	12.5	0.0	77.1	1	
1F	38	1426	379	20	0	50	-186	19.6	61.2	14.2	0.0	80.8	1	
1G	38	1426	-334	-20	0	-47	153	19.6	55.0	12.5	0.0	74.6	1	
1H	38	1426	379	-20	0	-47	-186	19.6	58.7	14.2	0.0	78.3	1	
1I	38	-307	-759	15	0	20	305	4.2	49.9	28.4	0.0	54.1	1	
1J	38	-307	803	15	0	20	-338	4.2	53.6	30.0	0.0	57.8	1	
1K	38	-307	-759	-15	0	-17	305	4.2	47.4	28.4	0.0	52.4	3	
1L	38	-307	803	-15	0	-17	-338	4.2	51.1	30.0	0.0	56.4	3	
1M	38	797	-759	15	0	20	305	11.0	49.9	28.4	0.0	60.9	1	
1N	38	797	803	15	0	20	-338	11.0	53.6	30.0	0.0	64.5	1	
1O	38	797	-759	-15	0	-17	305	11.0	47.4	28.4	0.0	58.4	1	
1P	38	797	803	-15	0	-17	-338	11.0	51.1	30.0	0.0	62.0	1	
2	38	985	896	3	0	7	-409	13.6	50.7	33.5	0.0	71.5	3	
7	38	821	768	3	0	6	-344	11.3	42.6	28.7	0.0	60.5	3	
8	38	766	759	2	0	5	-342	10.5	42.1	28.4	0.0	59.5	3	
1A	75	-936	-356	20	0	55	28	12.9	48.1	13.3	0.0	61.0	1	
1B	75	-936	357	20	0	55	-52	12.9	50.8	13.4	0.0	63.7	1	
1C	75	-936	-356	-20	0	-52	28	12.9	45.6	13.3	0.0	58.4	1	
1D	75	-936	357	-20	0	-52	-52	12.9	48.3	13.4	0.0	61.2	1	
1E	75	1426	-356	20	0	55	28	19.6	48.1	13.3	0.0	67.7	1	

1F	75	1426	357	20	0	55	-52	19.6	50.8	13.4	0.0	70.4	1
1G	75	1426	-356	-20	0	-52	28	19.6	45.6	13.3	0.0	65.2	1
1H	75	1426	357	-20	0	-52	-52	19.6	48.3	13.4	0.0	67.9	1
1I	75	-307	-780	15	0	19	18	4.2	17.6	29.2	0.0	50.8	4
1J	75	-307	782	15	0	19	-42	4.2	20.3	29.2	0.0	50.9	4
1K	75	-307	-780	-15	0	-16	18	4.2	15.0	29.2	0.0	50.8	4
1L	75	-307	782	-15	0	-16	-42	4.2	17.8	29.2	0.0	50.9	4
1M	75	797	-780	15	0	19	18	11.0	17.6	29.2	0.0	51.9	4
1N	75	797	782	15	0	19	-42	11.0	20.3	29.2	0.0	52.0	4
1O	75	797	-780	-15	0	-16	18	11.0	15.0	29.2	0.0	51.9	4
1P	75	797	782	-15	0	-16	-42	11.0	17.8	29.2	0.0	52.0	4
2	75	986	868	3	0	6	-78	13.6	13.1	32.5	0.0	57.9	4
7	75	822	740	3	0	4	-61	11.3	10.2	27.7	0.0	49.3	4
8	75	767	731	2	0	4	-63	10.6	10.6	27.3	0.0	48.6	4

ASTA NUM. 41 NI 747 NF 803 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-854	3	36	0	45	55	11.8	42.7	1.2	0.0	54.5	1	
1B	0	-854	212	36	0	45	-156	11.8	54.0	7.9	0.0	65.7	1	
1C	0	-854	3	-22	0	-40	55	11.8	38.8	0.8	0.0	50.5	1	
1D	0	-854	212	-22	0	-40	-156	11.8	50.0	7.9	0.0	61.8	1	
1E	0	1345	3	36	0	45	55	18.5	42.7	1.2	0.0	61.2	1	
1F	0	1345	212	36	0	45	-156	18.5	54.0	7.9	0.0	72.4	1	
1G	0	1345	3	-22	0	-40	55	18.5	38.8	0.8	0.0	57.3	1	
1H	0	1345	212	-22	0	-40	-156	18.5	50.0	7.9	0.0	68.5	1	
1I	0	-434	42	24	0	19	149	6.0	31.8	1.6	0.0	37.8	1	
1J	0	-434	173	24	0	19	-250	6.0	43.0	6.5	0.0	49.0	1	
1K	0	-434	42	-10	0	-14	149	6.0	27.8	1.6	0.0	33.8	1	
1L	0	-434	173	-10	0	-14	-250	6.0	39.1	6.5	0.0	45.0	1	
1M	0	924	42	24	0	19	149	12.7	31.8	1.6	0.0	44.5	1	
1N	0	924	173	24	0	19	-250	12.7	43.0	6.5	0.0	55.7	1	
1O	0	924	42	-10	0	-14	149	12.7	27.8	1.6	0.0	40.6	1	
1P	0	924	173	-10	0	-14	-250	12.7	39.1	6.5	0.0	51.8	1	
2	0	1020	176	32	0	11	167	14.0	27.4	6.6	0.0	41.4	1	
7	0	795	160	26	0	9	128	10.9	21.5	6.0	0.0	32.5	1	
8	0	855	130	25	0	8	167	11.8	25.3	4.9	0.0	37.1	1	
1A	72	-855	-38	36	0	23	-2	11.8	19.3	1.4	0.0	31.1	1	
1B	72	-855	171	36	0	23	25	11.8	21.9	6.4	0.0	33.7	1	
1C	72	-855	-38	-22	0	-28	-2	11.8	23.2	1.4	0.0	34.9	1	
1D	72	-855	171	-22	0	-28	25	11.8	25.8	6.4	0.0	37.6	1	
1E	72	1344	-38	36	0	23	-2	18.5	19.3	1.4	0.0	37.8	1	
1F	72	1344	171	36	0	23	25	18.5	21.9	6.4	0.0	40.4	1	
1G	72	1344	-38	-22	0	-28	-2	18.5	23.2	1.4	0.0	41.7	1	
1H	72	1344	171	-22	0	-28	25	18.5	25.8	6.4	0.0	44.3	1	
1I	72	-435	1	24	0	0	193	6.0	21.4	0.8	0.0	27.4	1	
1J	72	-435	132	24	0	0	-170	6.0	18.8	4.9	0.0	24.8	1	
1K	72	-435	1	-10	0	-5	193	6.0	25.3	0.4	0.0	31.2	1	
1L	72	-435	132	-10	0	-5	-170	6.0	22.6	4.9	0.0	28.6	1	
1M	72	923	1	24	0	0	193	12.7	21.4	0.8	0.0	34.1	1	
1N	72	923	132	24	0	0	-170	12.7	18.8	4.9	0.0	31.5	1	
1O	72	923	1	-10	0	-5	193	12.7	25.3	0.4	0.0	38.0	1	
1P	72	923	132	-10	0	-5	-170	12.7	22.6	4.9	0.0	35.3	1	
2	72	1018	123	32	0	-12	274	14.0	40.1	4.6	0.0	54.1	1	
7	72	794	106	26	0	-10	223	10.9	32.6	4.0	0.0	43.5	1	
8	72	854	76	25	0	-9	241	11.7	34.2	2.9	0.0	46.0	1	
1A	144	-856	-79	36	0	2	-88	11.8	11.3	3.0	0.0	23.1	1	
1B	144	-856	130	36	0	2	178	11.8	21.3	4.9	0.0	33.0	1	
1C	144	-856	-79	-22	0	-16	-88	11.8	23.0	3.0	0.0	34.8	1	
1D	144	-856	130	-22	0	-16	178	11.8	32.9	4.9	0.0	44.7	1	
1E	144	1342	-79	36	0	2	-88	18.5	11.3	3.0	0.0	29.8	1	
1F	144	1342	130	36	0	2	178	18.5	21.3	4.9	0.0	39.7	1	
1G	144	1342	-79	-22	0	-16	-88	18.5	23.0	3.0	0.0	41.5	1	
1H	144	1342	130	-22	0	-16	178	18.5	32.9	4.9	0.0	51.4	1	
1I	144	-436	-40	24	0	-19	208	6.0	38.3	1.5	0.0	44.3	1	
1J	144	-436	91	24	0	-19	-118	6.0	28.4	3.4	0.0	34.4	1	
1K	144	-436	-40	-10	0	4	208	6.0	26.7	1.5	0.0	32.7	1	
1L	144	-436	91	-10	0	4	-118	6.0	16.7	3.4	0.0	22.7	1	
1M	144	922	-40	24	0	-19	208	12.7	38.3	1.5	0.0	51.0	1	
1N	144	922	91	24	0	-19	-118	12.7	28.4	3.4	0.0	41.1	1	
1O	144	922	-40	-10	0	4	208	12.7	26.7	1.5	0.0	39.3	1	
1P	144	922	91	-10	0	4	-118	12.7	16.7	3.4	0.0	29.4	1	
2	144	1017	69	32	0	-35	343	14.0	66.4	2.6	0.0	80.4	1	
7	144	792	53	26	0	-28	280	10.9	54.2	2.0	0.0	65.1	1	
8	144	853	23	25	0	-27	277	11.7	52.6	0.9	0.0	64.4	1	

ASTA NUM. 42 NI 803 NF 802 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-845	-157	4	0	0	177	11.6	19.8	5.9	0.0	31.4	1	

1B	0	-845	71	4	0	0	-88	11.6	9.9	2.7	0.0	21.6	1
1C	0	-845	-157	-15	0	-15	177	11.6	32.2	5.9	0.0	43.8	1
1D	0	-845	71	-15	0	-15	-88	11.6	22.4	2.7	0.0	34.0	1
1E	0	1327	-157	4	0	0	177	18.3	19.8	5.9	0.0	38.0	1
1F	0	1327	71	4	0	0	-88	18.3	9.9	2.7	0.0	28.2	1
1G	0	1327	-157	-15	0	-15	177	18.3	32.2	5.9	0.0	50.5	1
1H	0	1327	71	-15	0	-15	-88	18.3	22.4	2.7	0.0	40.6	1
1I	0	-410	-114	3	0	-4	208	5.6	25.9	4.3	0.0	31.6	1
1J	0	-410	28	3	0	-4	-119	5.6	16.1	1.1	0.0	21.7	1
1K	0	-410	-114	-13	0	-12	208	5.6	32.5	4.3	0.0	38.1	1
1L	0	-410	28	-13	0	-12	-119	5.6	22.6	1.1	0.0	28.3	1
1M	0	892	-114	3	0	-4	208	12.3	25.9	4.3	0.0	38.2	1
1N	0	892	28	3	0	-4	-119	12.3	16.1	1.1	0.0	28.4	1
1O	0	892	-114	-13	0	-12	208	12.3	32.5	4.3	0.0	44.8	1
1P	0	892	28	-13	0	-12	-119	12.3	22.6	1.1	0.0	34.9	1
2	0	1009	-406	-23	0	-34	341	13.9	65.3	15.2	0.0	79.2	1
7	0	787	-307	-17	0	-26	279	10.8	52.4	11.5	0.0	63.2	1
8	0	845	-336	-18	0	-27	275	11.6	52.2	12.6	0.0	63.9	1
1A	72	-846	-198	4	0	9	197	11.6	29.2	7.4	0.0	40.8	1
1B	72	-846	30	4	0	9	-199	11.6	29.4	1.1	0.0	41.1	1
1C	72	-846	-198	-15	0	-17	197	11.6	35.6	7.4	0.0	47.2	1
1D	72	-846	30	-15	0	-17	-199	11.6	35.8	1.1	0.0	47.4	1
1E	72	1326	-198	4	0	9	197	18.2	29.2	7.4	0.0	47.4	1
1F	72	1326	30	4	0	9	-199	18.2	29.4	1.1	0.0	47.7	1
1G	72	1326	-198	-15	0	-17	197	18.2	35.6	7.4	0.0	53.8	1
1H	72	1326	30	-15	0	-17	-199	18.2	35.8	1.1	0.0	54.0	1
1I	72	-411	-155	3	0	-8	160	5.7	24.0	5.8	0.0	29.6	1
1J	72	-411	-13	3	0	-8	-162	5.7	24.2	0.5	0.0	29.9	1
1K	72	-411	-155	-13	0	-0	160	5.7	17.8	5.8	0.0	23.5	1
1L	72	-411	-13	-13	0	-0	-162	5.7	18.1	0.5	0.0	23.7	1
1M	72	891	-155	3	0	-8	160	12.3	24.0	5.8	0.0	36.2	1
1N	72	891	-13	3	0	-8	-162	12.3	24.2	0.5	0.0	36.5	1
1O	72	891	-155	-13	0	-0	160	12.3	17.8	5.8	0.0	30.1	1
1P	72	891	-13	-13	0	-0	-162	12.3	18.1	0.5	0.0	30.3	1
2	72	1008	-460	-23	0	-17	30	13.9	17.3	17.2	0.0	33.1	4
7	72	786	-361	-17	0	-14	39	10.8	15.7	13.5	0.0	26.5	1
8	72	844	-390	-18	0	-13	14	11.6	12.6	14.6	0.0	28.0	4
1A	144	-847	-239	4	0	18	187	11.6	35.3	8.9	0.0	47.0	1
1B	144	-847	-11	4	0	18	-339	11.6	52.2	0.4	0.0	63.8	1
1C	144	-847	-239	-15	0	-18	187	11.6	35.6	8.9	0.0	47.3	1
1D	144	-847	-11	-15	0	-18	-339	11.6	52.5	0.5	0.0	64.2	1
1E	144	1325	-239	4	0	18	187	18.2	35.3	8.9	0.0	53.5	1
1F	144	1325	-11	4	0	18	-339	18.2	52.2	0.4	0.0	70.4	1
1G	144	1325	-239	-15	0	-18	187	18.2	35.6	8.9	0.0	53.9	1
1H	144	1325	-11	-15	0	-18	-339	18.2	52.5	0.5	0.0	70.7	1
1I	144	-412	-196	3	0	-12	83	5.7	18.7	7.3	0.0	24.4	1
1J	144	-412	-54	3	0	-12	-235	5.7	35.6	2.0	0.0	41.2	1
1K	144	-412	-196	-13	0	11	83	5.7	18.4	7.3	0.0	24.1	1
1L	144	-412	-54	-13	0	11	-235	5.7	35.2	2.0	0.0	40.9	1
1M	144	890	-196	3	0	-12	83	12.2	18.7	7.3	0.0	31.0	1
1N	144	890	-54	3	0	-12	-235	12.2	35.6	2.0	0.0	47.8	1
1O	144	890	-196	-13	0	11	83	12.2	18.4	7.3	0.0	30.6	1
1P	144	890	-54	-13	0	11	-235	12.2	35.2	2.0	0.0	47.5	1
2	144	1006	-513	-23	0	-0	-320	13.8	35.8	19.2	0.0	53.3	3
7	144	785	-414	-17	0	-2	-240	10.8	27.8	15.5	0.0	41.1	3
8	144	843	-443	-18	0	-0	-285	11.6	31.7	16.6	0.0	46.5	3

ASTA NUM. 43 NI 802 NF 749 Lungh. 12.5 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-838	-320	383	0	18	186	11.5	35.7	13.3	0.0	47.2	1	
1B	0	-838	-73	383	0	18	-340	11.5	52.7	13.3	0.0	64.2	1	
1C	0	-838	-320	-388	0	-20	186	11.5	37.0	13.5	0.0	48.5	1	
1D	0	-838	-73	-388	0	-20	-340	11.5	54.0	13.5	0.0	65.5	1	
1E	0	1311	-320	383	0	18	186	18.0	35.7	13.3	0.0	53.7	1	
1F	0	1311	-73	383	0	18	-340	18.0	52.7	13.3	0.0	70.7	1	
1G	0	1311	-320	-388	0	-20	186	18.0	37.0	13.5	0.0	55.1	1	
1H	0	1311	-73	-388	0	-20	-340	18.0	54.0	13.5	0.0	72.0	1	
1I	0	-393	-274	139	0	9	82	5.4	16.6	10.3	0.0	22.0	1	
1J	0	-393	-119	139	0	9	-236	5.4	33.5	4.8	0.0	38.9	1	
1K	0	-393	-274	-145	0	-11	82	5.4	17.9	10.3	0.0	23.3	1	
1L	0	-393	-119	-145	0	-11	-236	5.4	34.9	5.0	0.0	40.3	1	
1M	0	867	-274	139	0	9	82	11.9	16.6	10.3	0.0	28.5	1	
1N	0	867	-119	139	0	9	-236	11.9	33.5	4.8	0.0	45.5	1	
1O	0	867	-274	-145	0	-11	82	11.9	17.9	10.3	0.0	29.8	1	
1P	0	867	-119	-145	0	-11	-236	11.9	34.9	5.0	0.0	46.8	1	
2	0	996	-1007	-18	0	-0	-322	13.7	35.8	37.7	0.0	68.7	3	
7	0	779	-789	-19	0	-0	-242	10.7	26.8	29.5	0.0	53.0	3	
8	0	835	-817	-13	0	-1	-287	11.5	32.2	30.6	0.0	57.8	3	
1A	6	-838	-324	383	0	42	180	11.5	54.5	13.3	0.0	66.1	1	
1B	6	-838	-77	383	0	42	-358	11.5	74.3	13.3	0.0	85.8	1	
1C	6	-838	-324	-388	0	-44	180	11.5	55.6	13.5	0.0	67.1	1	
1D	6	-838	-77	-388	0	-44	-358	11.5	75.3	13.5	0.0	86.8	1	
1E	6	1311	-324	383	0	42	180	18.0	54.5	13.3	0.0	72.6	1	
1F	6	1311	-77	383	0	42	-358	18.0	74.3	13.3	0.0	92.3	1	
1G	6	1311	-324	-388	0	-44	180	18.0	55.6	13.5	0.0	73.6	1	
1H	6	1311	-77	-388	0	-44	-358	18.0	75.3	13.5	0.0	93.4	1	

1I	6	-394	-278	139	0	17	70	5.4	21.9	10.4	0.0	27.3	1
1J	6	-394	-122	139	0	17	-248	5.4	41.6	4.8	0.0	47.0	1
1K	6	-394	-278	-145	0	-19	70	5.4	23.0	10.4	0.0	28.4	1
1L	6	-394	-122	-145	0	-19	-248	5.4	42.7	5.0	0.0	48.1	1
1M	6	867	-278	139	0	17	70	11.9	21.9	10.4	0.0	33.8	1
1N	6	867	-122	139	0	17	-248	11.9	41.6	4.8	0.0	53.5	1
1O	6	867	-278	-145	0	-19	70	11.9	23.0	10.4	0.0	34.9	1
1P	6	867	-122	-145	0	-19	-248	11.9	42.7	5.0	0.0	54.6	1
2	6	996	-1012	-18	0	1	-385	13.7	43.4	37.8	0.0	73.4	3
7	6	779	-793	-19	0	1	-291	10.7	33.0	29.7	0.0	56.8	3
8	6	835	-822	-13	0	0	-338	11.5	37.6	30.7	0.0	61.8	3
1A	13	-838	-327	383	0	66	174	11.5	73.4	13.3	0.0	84.9	1
1B	13	-838	-80	383	0	66	-377	11.5	95.9	13.3	0.0	107.4	1
1C	13	-838	-327	-388	0	-67	174	11.5	74.2	13.5	0.0	85.7	1
1D	13	-838	-80	-388	0	-67	-377	11.5	96.7	13.5	0.0	108.2	1
1E	13	1311	-327	383	0	66	174	18.0	73.4	13.3	0.0	91.4	1
1F	13	1311	-80	383	0	66	-377	18.0	95.9	13.3	0.0	113.9	1
1G	13	1311	-327	-388	0	-67	174	18.0	74.2	13.5	0.0	92.2	1
1H	13	1311	-80	-388	0	-67	-377	18.0	96.7	13.5	0.0	114.7	1
1I	13	-394	-282	139	0	26	57	5.4	27.2	10.5	0.0	32.6	1
1J	13	-394	-126	139	0	26	-260	5.4	49.7	4.8	0.0	55.1	1
1K	13	-394	-282	-145	0	-27	57	5.4	28.0	10.5	0.0	33.4	1
1L	13	-394	-126	-145	0	-27	-260	5.4	50.5	5.0	0.0	55.9	1
1M	13	867	-282	139	0	26	57	11.9	27.2	10.5	0.0	39.2	1
1N	13	867	-126	139	0	26	-260	11.9	49.7	4.8	0.0	61.7	1
1O	13	867	-282	-145	0	-27	57	11.9	28.0	10.5	0.0	39.9	1
1P	13	867	-126	-145	0	-27	-260	11.9	50.5	5.0	0.0	62.4	1
2	13	996	-1016	-18	0	2	-448	13.7	51.3	38.0	0.0	78.5	3
7	13	779	-798	-19	0	2	-341	10.7	39.5	29.9	0.0	60.7	3
8	13	835	-826	-13	0	1	-390	11.5	44.0	30.9	0.0	66.0	3

ASTA NUM. 44 NI 749 NF 801 Lungh. 131.3 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1164	22	53	0	72	231	16.0	83.9	1.8	0.0	99.9	1	
1B	0	-1164	352	53	0	72	-466	16.0	109.9	13.2	0.0	125.9	1	
1C	0	-1164	22	-51	0	-73	231	16.0	85.1	1.8	0.0	101.1	1	
1D	0	-1164	352	-51	0	-73	-466	16.0	111.1	13.2	0.0	127.1	1	
1E	0	1888	22	53	0	72	231	26.0	83.9	1.8	0.0	109.9	1	
1F	0	1888	352	53	0	72	-466	26.0	109.9	13.2	0.0	135.9	1	
1G	0	1888	22	-51	0	-73	231	26.0	85.1	1.8	0.0	111.1	1	
1H	0	1888	352	-51	0	-73	-466	26.0	111.1	13.2	0.0	137.1	1	
1I	0	-1553	-160	37	0	28	526	21.4	81.0	6.0	0.0	102.4	1	
1J	0	-1553	533	37	0	28	-761	21.4	107.0	20.0	0.0	128.4	1	
1K	0	-1553	-160	-36	0	-29	526	21.4	82.2	6.0	0.0	103.6	1	
1L	0	-1553	533	-36	0	-29	-761	21.4	108.2	20.0	0.0	129.6	1	
1M	0	2277	-160	37	0	28	526	31.3	81.0	6.0	0.0	112.4	1	
1N	0	2277	533	37	0	28	-761	31.3	107.0	20.0	0.0	138.4	1	
1O	0	2277	-160	-36	0	-29	526	31.3	82.2	6.0	0.0	113.6	1	
1P	0	2277	533	-36	0	-29	-761	31.3	108.2	20.0	0.0	139.6	1	
2	0	525	954	-2	0	2	-1046	7.2	117.3	35.7	0.0	124.6	1	
7	0	267	798	-6	0	2	-884	3.7	99.5	29.9	0.0	103.2	1	
8	0	512	787	-0	0	1	-858	7.0	95.6	29.4	0.0	103.1	3	
1A	66	-1165	-16	53	0	47	235	16.0	63.9	1.8	0.0	80.0	1	
1B	66	-1165	315	53	0	47	-249	16.0	65.5	11.8	0.0	81.5	1	
1C	66	-1165	-16	-51	0	-49	235	16.0	65.9	1.8	0.0	81.9	1	
1D	66	-1165	315	-51	0	-49	-249	16.0	67.4	11.8	0.0	83.5	1	
1E	66	1887	-16	53	0	47	235	26.0	63.9	1.8	0.0	89.9	1	
1F	66	1887	315	53	0	47	-249	26.0	65.5	11.8	0.0	91.5	1	
1G	66	1887	-16	-51	0	-49	235	26.0	65.9	1.8	0.0	91.8	1	
1H	66	1887	315	-51	0	-49	-249	26.0	67.4	11.8	0.0	93.4	1	
1I	66	-1554	-197	37	0	-7	410	21.4	51.3	7.4	0.0	72.6	1	
1J	66	-1554	496	37	0	-7	-424	21.4	52.8	18.6	0.0	74.2	1	
1K	66	-1554	-197	-36	0	5	410	21.4	49.3	7.4	0.0	70.7	1	
1L	66	-1554	496	-36	0	5	-424	21.4	50.9	18.6	0.0	72.3	1	
1M	66	2276	-197	37	0	-7	410	31.3	51.3	7.4	0.0	82.6	1	
1N	66	2276	496	37	0	-7	-424	31.3	52.8	18.6	0.0	84.1	1	
1O	66	2276	-197	-36	0	5	410	31.3	49.3	7.4	0.0	80.6	1	
1P	66	2276	496	-36	0	5	-424	31.3	50.9	18.6	0.0	82.2	1	
2	66	524	905	-2	0	3	-436	7.2	50.9	33.9	0.0	69.0	3	
7	66	266	750	-6	0	6	-376	3.7	46.4	28.0	0.0	56.6	3	
8	66	511	738	-0	0	1	-357	7.0	40.4	27.6	0.0	57.2	3	
1A	131	-1166	-53	53	0	22	214	16.0	41.2	2.0	0.0	57.3	1	
1B	131	-1166	277	53	0	22	-56	16.0	23.8	10.4	0.0	39.9	1	
1C	131	-1166	-53	-51	0	-25	214	16.0	43.9	2.0	0.0	59.9	1	
1D	131	-1166	277	-51	0	-25	-56	16.0	26.5	10.4	0.0	42.5	1	
1E	131	1886	-53	53	0	22	214	25.9	41.2	2.0	0.0	67.2	1	
1F	131	1886	277	53	0	22	-56	25.9	23.8	10.4	0.0	49.8	1	
1G	131	1886	-53	-51	0	-25	214	25.9	43.9	2.0	0.0	69.8	1	
1H	131	1886	277	-51	0	-25	-56	25.9	26.5	10.4	0.0	52.4	1	
1I	131	-1555	-235	37	0	-42	269	21.4	64.4	8.8	0.0	85.8	1	
1J	131	-1555	459	37	0	-42	-112	21.4	47.0	17.2	0.0	68.4	1	
1K	131	-1555	-235	-36	0	39	269	21.4	61.8	8.8	0.0	83.2	1	
1L	131	-1555	459	-36	0	39	-112	21.4	44.4	17.2	0.0	65.7	1	
1M	131	2275	-235	37	0	-42	269	31.3	64.4	8.8	0.0	95.7	1	
1N	131	2275	459	37	0	-42	-112	31.3	47.0	17.2	0.0	78.3	1	
1O	131	2275	-235	-36	0	39	269	31.3	61.8	8.8	0.0	93.1	1	

1P	131	2275	459	-36	0	39	-112	31.3	44.4	17.2	0.0	75.7	1
2	131	522	856	-2	0	5	143	7.2	19.5	32.0	0.0	56.0	4
7	131	264	701	-6	0	10	100	3.6	18.9	26.2	0.0	45.6	4
8	131	510	689	-0	0	1	111	7.0	13.3	25.8	0.0	45.2	4

ASTA NUM. 45 NI 801 NF 808 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1152	-110	177	0	27	213	15.8	45.4	6.2	0.0	61.2	1	
1B	0	-1152	211	177	0	27	-57	15.8	28.1	7.9	0.0	43.9	1	
1C	0	-1152	-110	-201	0	-31	213	15.8	48.8	7.0	0.0	64.6	1	
1D	0	-1152	211	-201	0	-31	-57	15.8	31.5	7.9	0.0	47.3	1	
1E	0	1868	-110	177	0	27	213	25.7	45.4	6.2	0.0	71.1	1	
1F	0	1868	211	177	0	27	-57	25.7	28.1	7.9	0.0	53.8	1	
1G	0	1868	-110	-201	0	-31	213	25.7	48.8	7.0	0.0	74.5	1	
1H	0	1868	211	-201	0	-31	-57	25.7	31.5	7.9	0.0	57.2	1	
1I	0	-1522	-292	397	0	50	269	20.9	70.4	13.8	0.0	91.3	1	
1J	0	-1522	392	397	0	50	-112	20.9	53.1	14.7	0.0	74.0	1	
1K	0	-1522	-292	-421	0	-54	269	20.9	73.8	14.6	0.0	94.7	1	
1L	0	-1522	392	-421	0	-54	-112	20.9	56.5	14.7	0.0	77.4	1	
1M	0	2239	-292	397	0	50	269	30.8	70.4	13.8	0.0	101.2	1	
1N	0	2239	392	397	0	50	-112	30.8	53.1	14.7	0.0	83.9	1	
1O	0	2239	-292	-421	0	-54	269	30.8	73.8	14.6	0.0	104.6	1	
1P	0	2239	392	-421	0	-54	-112	30.8	56.5	14.7	0.0	87.3	1	
2	0	514	413	71	0	6	140	7.1	20.2	15.5	0.0	30.2	3	
7	0	260	366	98	0	12	98	3.6	20.4	13.7	0.0	24.0	4	
8	0	502	355	35	0	2	109	6.9	13.4	13.3	0.0	25.5	3	
1A	72	-1153	-151	177	0	-102	104	15.9	94.3	6.2	0.0	110.2	1	
1B	72	-1153	170	177	0	-102	95	15.9	93.3	6.3	0.0	109.2	1	
1C	72	-1153	-151	-201	0	115	104	15.9	104.9	7.0	0.0	120.8	1	
1D	72	-1153	170	-201	0	115	95	15.9	103.9	7.0	0.0	119.8	1	
1E	72	1867	-151	177	0	-102	104	25.7	94.3	6.2	0.0	120.0	1	
1F	72	1867	170	177	0	-102	95	25.7	93.3	6.3	0.0	119.0	1	
1G	72	1867	-151	-201	0	115	104	25.7	104.9	7.0	0.0	130.6	1	
1H	72	1867	170	-201	0	115	95	25.7	103.9	7.0	0.0	129.6	1	
1I	72	-1524	-333	397	0	-238	39	21.0	197.8	13.8	0.0	218.8	1	
1J	72	-1524	351	397	0	-238	161	21.0	211.3	13.8	0.0	232.3	1	
1K	72	-1524	-333	-421	0	251	39	21.0	208.5	14.6	0.0	229.4	1	
1L	72	-1524	351	-421	0	251	161	21.0	222.0	14.6	0.0	242.9	1	
1M	72	2238	-333	397	0	-238	39	30.8	197.8	13.8	0.0	228.6	1	
1N	72	2238	351	397	0	-238	161	30.8	211.3	13.8	0.0	242.1	1	
1O	72	2238	-333	-421	0	251	39	30.8	208.5	14.6	0.0	239.3	1	
1P	72	2238	351	-421	0	251	161	30.8	222.0	14.6	0.0	252.8	1	
2	72	512	360	71	0	-45	418	7.0	83.0	13.5	0.0	90.1	1	
7	72	258	312	98	0	-59	342	3.6	85.8	11.7	0.0	89.3	1	
8	72	501	301	35	0	-23	345	6.9	57.1	11.3	0.0	64.0	1	
1A	144	-1154	-192	177	0	-230	-35	15.9	191.2	7.2	0.0	207.1	1	
1B	144	-1154	129	177	0	-230	218	15.9	211.4	6.2	0.0	227.3	1	
1C	144	-1154	-192	-201	0	260	-35	15.9	215.8	7.2	0.0	231.7	1	
1D	144	-1154	129	-201	0	260	218	15.9	236.1	7.0	0.0	251.9	1	
1E	144	1866	-192	177	0	-230	-35	25.7	191.2	7.2	0.0	216.9	1	
1F	144	1866	129	177	0	-230	218	25.7	211.4	6.2	0.0	237.1	1	
1G	144	1866	-192	-201	0	260	-35	25.7	215.8	7.2	0.0	241.5	1	
1H	144	1866	129	-201	0	260	218	25.7	236.1	7.0	0.0	261.7	1	
1I	144	-1525	-374	397	0	-525	-221	21.0	452.3	14.0	0.0	473.3	1	
1J	144	-1525	310	397	0	-525	404	21.0	472.5	13.8	0.0	493.5	1	
1K	144	-1525	-374	-421	0	555	-221	21.0	476.9	14.6	0.0	497.9	1	
1L	144	-1525	310	-421	0	555	404	21.0	497.2	14.6	0.0	518.1	1	
1M	144	2237	-374	397	0	-525	-221	30.8	452.3	14.0	0.0	483.0	1	
1N	144	2237	310	397	0	-525	404	30.8	472.5	13.8	0.0	503.3	1	
1O	144	2237	-374	-421	0	555	-221	30.8	476.9	14.6	0.0	507.7	1	
1P	144	2237	310	-421	0	555	404	30.8	497.2	14.6	0.0	527.9	1	
2	144	511	306	71	0	-96	657	7.0	151.1	11.5	0.0	158.1	1	
7	144	257	259	98	0	-130	547	3.5	166.1	9.7	0.0	169.6	1	
8	144	500	248	35	0	-48	542	6.9	99.2	9.3	0.0	106.1	1	

ASTA NUM. 46 NI 808 NF 418 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1143	-249	723	0	256	217	15.7	232.7	25.1	0.0	248.5	1	
1B	0	-1143	68	723	0	256	-35	15.7	212.6	25.1	0.0	228.3	1	
1C	0	-1143	-249	-768	0	-226	217	15.7	208.5	26.7	0.0	224.2	1	
1D	0	-1143	68	-768	0	-226	-35	15.7	188.4	26.7	0.0	204.1	1	
1E	0	1851	-249	723	0	256	217	25.5	232.7	25.1	0.0	258.2	1	
1F	0	1851	68	723	0	256	-35	25.5	212.6	25.1	0.0	238.1	1	
1G	0	1851	-249	-768	0	-226	217	25.5	208.5	26.7	0.0	234.0	1	
1H	0	1851	68	-768	0	-226	-35	25.5	188.4	26.7	0.0	213.9	1	
1I	0	-1503	-431	1209	0	548	403	20.7	491.1	42.0	0.0	511.8	1	
1J	0	-1503	250	1209	0	548	-221	20.7	471.0	42.0	0.0	491.7	1	
1K	0	-1503	-431	-1255	0	-518	403	20.7	466.9	43.6	0.0	487.6	1	

1L	0	-1503	250	-1255	0	-518	-221	20.7	446.8	43.6	0.0	467.4	1
1M	0	2211	-431	1209	0	548	403	30.4	491.1	42.0	0.0	521.6	1
1N	0	2211	250	1209	0	548	-221	30.4	471.0	42.0	0.0	501.4	1
1O	0	2211	-431	-1255	0	-518	403	30.4	466.9	43.6	0.0	497.3	1
1P	0	2211	250	-1255	0	-518	-221	30.4	446.8	43.6	0.0	477.2	1
2	0	501	-122	147	0	-96	655	6.9	150.4	5.1	0.0	157.2	1
7	0	250	-63	260	0	-128	546	3.4	164.9	9.0	0.0	168.4	1
8	0	492	-74	63	0	-48	541	6.8	98.9	2.8	0.0	105.7	1
1A	12	-1143	-256	723	0	351	221	15.7	310.7	25.1	0.0	326.4	1
1B	12	-1143	61	723	0	351	-63	15.7	293.2	25.1	0.0	308.9	1
1C	12	-1143	-256	-768	0	-316	221	15.7	281.9	26.7	0.0	297.6	1
1D	12	-1143	61	-768	0	-316	-63	15.7	264.4	26.7	0.0	280.1	1
1E	12	1851	-256	723	0	351	221	25.5	310.7	25.1	0.0	336.2	1
1F	12	1851	61	723	0	351	-63	25.5	293.2	25.1	0.0	318.7	1
1G	12	1851	-256	-768	0	-316	221	25.5	281.9	26.7	0.0	307.4	1
1H	12	1851	61	-768	0	-316	-63	25.5	264.4	26.7	0.0	289.8	1
1I	12	-1503	-438	1209	0	704	433	20.7	621.4	42.0	0.0	642.1	1
1J	12	-1503	243	1209	0	704	-275	20.7	603.9	42.0	0.0	624.6	1
1K	12	-1503	-438	-1255	0	-668	433	20.7	592.6	43.6	0.0	613.3	1
1L	12	-1503	243	-1255	0	-668	-275	20.7	575.1	43.6	0.0	595.7	1
1M	12	2211	-438	1209	0	704	433	30.4	621.4	42.0	0.0	651.8	1
1N	12	2211	243	1209	0	704	-275	30.4	603.9	42.0	0.0	634.3	1
1O	12	2211	-438	-1255	0	-668	433	30.4	592.6	43.6	0.0	623.0	1
1P	12	2211	243	-1255	0	-668	-275	30.4	575.1	43.6	0.0	605.5	1
2	12	501	-131	147	0	-114	639	6.9	163.6	5.1	0.0	170.5	1
7	12	250	-73	260	0	-161	537	3.4	190.5	9.0	0.0	193.9	1
8	12	492	-84	63	0	-56	531	6.8	104.3	3.1	0.0	111.1	1
1A	25	-1143	-264	723	0	446	225	15.7	388.6	25.1	0.0	404.3	1
1B	25	-1143	54	723	0	446	-92	15.7	373.9	25.1	0.0	389.6	1
1C	25	-1143	-264	-768	0	-405	225	15.7	355.2	26.7	0.0	370.9	1
1D	25	-1143	54	-768	0	-405	-92	15.7	340.4	26.7	0.0	356.2	1
1E	25	1851	-264	723	0	446	225	25.5	388.6	25.1	0.0	414.1	1
1F	25	1851	54	723	0	446	-92	25.5	373.9	25.1	0.0	399.3	1
1G	25	1851	-264	-768	0	-405	225	25.5	355.2	26.7	0.0	380.6	1
1H	25	1851	54	-768	0	-405	-92	25.5	340.4	26.7	0.0	365.9	1
1I	25	-1503	-445	1209	0	860	462	20.7	751.6	42.0	0.0	772.3	1
1J	25	-1503	235	1209	0	860	-329	20.7	736.9	42.0	0.0	757.6	1
1K	25	-1503	-445	-1255	0	-819	462	20.7	718.2	43.6	0.0	738.9	1
1L	25	-1503	235	-1255	0	-819	-329	20.7	703.5	43.6	0.0	724.1	1
1M	25	2211	-445	1209	0	860	462	30.4	751.6	42.0	0.0	782.0	1
1N	25	2211	235	1209	0	860	-329	30.4	736.9	42.0	0.0	767.3	1
1O	25	2211	-445	-1255	0	-819	462	30.4	718.2	43.6	0.0	748.6	1
1P	25	2211	235	-1255	0	-819	-329	30.4	703.5	43.6	0.0	733.9	1
2	25	500	-140	147	0	-132	622	6.9	176.7	5.2	0.0	183.6	1
7	25	250	-82	260	0	-193	527	3.4	215.9	9.0	0.0	219.3	1
8	25	492	-93	63	0	-64	520	6.8	109.5	3.5	0.0	116.3	1

ASTA NUM. 47 NI 799 NF 796 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2052	764	122	0	159	-978	28.2	238.2	28.6	0.0	266.4	1	
1B	0	-2052	1081	122	0	159	-2042	28.2	355.8	40.4	0.0	384.0	1	
1C	0	-2052	764	-102	0	-135	-978	28.2	218.5	28.6	0.0	246.7	1	
1D	0	-2052	1081	-102	0	-135	-2042	28.2	336.1	40.4	0.0	364.3	1	
1E	0	1215	764	122	0	159	-978	16.7	238.2	28.6	0.0	254.9	1	
1F	0	1215	1081	122	0	159	-2042	16.7	355.8	40.4	0.0	372.5	1	
1G	0	1215	764	-102	0	-135	-978	16.7	218.5	28.6	0.0	235.2	1	
1H	0	1215	1081	-102	0	-135	-2042	16.7	336.1	40.4	0.0	352.8	1	
1I	0	-4715	743	312	0	422	-522	64.9	401.3	27.8	0.0	466.1	1	
1J	0	-4715	1102	312	0	422	-2498	64.9	620.0	41.2	0.0	684.8	1	
1K	0	-4715	743	-292	0	-397	-522	64.9	381.6	27.8	0.0	446.4	1	
1L	0	-4715	1102	-292	0	-397	-2498	64.9	600.2	41.2	0.0	665.1	1	
1M	0	3878	743	312	0	422	-522	53.3	401.3	27.8	0.0	454.6	1	
1N	0	3878	1102	312	0	422	-2498	53.3	620.0	41.2	0.0	673.3	1	
1O	0	3878	743	-292	0	-397	-522	53.3	381.6	27.8	0.0	434.9	1	
1P	0	3878	1102	-292	0	-397	-2498	53.3	600.2	41.2	0.0	653.6	1	
2	0	-2308	4321	137	0	179	-7526	31.7	978.3	161.6	0.0	1010.1	1	
7	0	-2043	3399	139	0	181	-5919	28.1	802.5	127.1	0.0	830.6	1	
8	0	-1692	3394	93	0	120	-5911	23.3	752.0	127.0	0.0	775.3	1	
1A	72	-2051	722	122	0	68	-433	28.2	103.7	27.0	0.0	131.9	1	
1B	72	-2051	1040	122	0	68	-1290	28.2	198.5	38.9	0.0	226.7	1	
1C	72	-2051	722	-102	0	-58	-433	28.2	95.6	27.0	0.0	123.8	1	
1D	72	-2051	1040	-102	0	-58	-1290	28.2	190.3	38.9	0.0	218.5	1	
1E	72	1216	722	122	0	68	-433	16.7	103.7	27.0	0.0	120.4	1	
1F	72	1216	1040	122	0	68	-1290	16.7	198.5	38.9	0.0	215.2	1	
1G	72	1216	722	-102	0	-58	-433	16.7	95.6	27.0	0.0	112.3	1	
1H	72	1216	1040	-102	0	-58	-1290	16.7	190.3	38.9	0.0	207.1	1	
1I	72	-4714	702	312	0	195	3	64.8	159.6	26.2	0.0	224.4	1	
1J	72	-4714	1061	312	0	195	-1726	64.8	350.2	39.7	0.0	415.0	1	
1K	72	-4714	702	-292	0	-185	3	64.8	151.4	26.2	0.0	216.3	1	
1L	72	-4714	1061	-292	0	-185	-1726	64.8	342.1	39.7	0.0	406.9	1	
1M	72	3879	702	312	0	195	3	53.4	159.6	26.2	0.0	212.9	1	
1N	72	3879	1061	312	0	195	-1726	53.4	350.2	39.7	0.0	403.5	1	
1O	72	3879	702	-292	0	-185	3	53.4	151.4	26.2	0.0	204.8	1	
1P	72	3879	1061	-292	0	-185	-1726	53.4	342.1	39.7	0.0	395.4	1	
2	72	-2306	4268	137	0	80	-4438	31.7	556.3	159.6	0.0	588.0	1	
7	72	-2042	3346	139	0	81	-3494	28.1	452.7	125.2	0.0	480.8	1	

8	72	-1690	3340	93	0	54	-3490	23.3	429.8	125.0	0.0	453.1	1
1A	144	-2050	681	122	0	-23	82	28.2	27.5	25.5	0.0	55.7	1
1B	144	-2050	999	122	0	-23	-567	28.2	81.2	37.4	0.0	109.4	1
1C	144	-2050	681	-102	0	18	82	28.2	24.0	25.5	0.0	52.8	4
1D	144	-2050	999	-102	0	18	-567	28.2	77.7	37.4	0.0	105.9	1
1E	144	1217	681	122	0	-23	82	16.7	27.5	25.5	0.0	47.5	4
1F	144	1217	999	122	0	-23	-567	16.7	81.2	37.4	0.0	97.9	1
1G	144	1217	681	-102	0	18	82	16.7	24.0	25.5	0.0	47.5	4
1H	144	1217	999	-102	0	18	-567	16.7	77.7	37.4	0.0	94.4	1
1I	144	-4713	661	312	0	-31	497	64.8	80.0	24.7	0.0	144.8	1
1J	144	-4713	1020	312	0	-31	-982	64.8	133.7	38.1	0.0	198.5	1
1K	144	-4713	661	-292	0	26	497	64.8	76.5	24.7	0.0	141.4	1
1L	144	-4713	1020	-292	0	26	-982	64.8	130.2	38.1	0.0	195.0	1
1M	144	3880	661	312	0	-31	497	53.4	80.0	24.7	0.0	133.4	1
1N	144	3880	1020	312	0	-31	-982	53.4	133.7	38.1	0.0	187.0	1
1O	144	3880	661	-292	0	26	497	53.4	76.5	24.7	0.0	129.9	1
1P	144	3880	1020	-292	0	26	-982	53.4	130.2	38.1	0.0	183.6	1
2	144	-2305	4215	137	0	-19	-1388	31.7	168.7	157.7	0.0	275.0	4
7	144	-2040	3293	139	0	-19	-1107	28.1	137.8	123.2	0.0	217.7	3
8	144	-1689	3287	93	0	-13	-1107	23.2	133.0	123.0	0.0	214.3	4

ASTA NUM. 48 NI 796 NF 795 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2397	558	18	0	13	82	33.0	20.0	20.9	0.0	52.9	1	
1B	0	-2397	848	18	0	13	-567	33.0	73.7	31.7	0.0	106.6	1	
1C	0	-2397	558	-16	0	-15	82	33.0	21.7	20.9	0.0	54.6	1	
1D	0	-2397	848	-16	0	-15	-567	33.0	75.3	31.7	0.0	108.3	1	
1E	0	2497	558	18	0	13	82	34.4	20.0	20.9	0.0	54.3	1	
1F	0	2497	848	18	0	13	-567	34.4	73.7	31.7	0.0	108.0	1	
1G	0	2497	558	-16	0	-15	82	34.4	21.7	20.9	0.0	56.0	1	
1H	0	2497	848	-16	0	-15	-567	34.4	75.3	31.7	0.0	109.7	1	
1I	0	-3732	530	13	0	16	497	51.3	68.0	19.8	0.0	119.3	1	
1J	0	-3732	876	13	0	16	-982	51.3	121.7	32.8	0.0	173.0	1	
1K	0	-3732	530	-11	0	-18	497	51.3	69.7	19.8	0.0	121.0	1	
1L	0	-3732	876	-11	0	-18	-982	51.3	123.4	32.8	0.0	174.7	1	
1M	0	3833	530	13	0	16	497	52.7	68.0	19.8	0.0	120.7	1	
1N	0	3833	876	13	0	16	-982	52.7	121.7	32.8	0.0	174.4	1	
1O	0	3833	530	-11	0	-18	497	52.7	69.7	19.8	0.0	122.4	1	
1P	0	3833	876	-11	0	-18	-982	52.7	123.4	32.8	0.0	176.1	1	
2	0	-13	3273	1	0	-10	-1389	0.2	161.5	122.4	0.0	217.3	3	
7	0	-174	2580	-1	0	-10	-1107	2.4	131.0	96.5	0.0	173.7	3	
8	0	80	2574	1	0	-7	-1107	1.1	127.8	96.3	0.0	172.5	3	
1A	72	-2395	517	18	0	22	540	33.0	77.4	19.3	0.0	110.4	1	
1B	72	-2395	807	18	0	22	-44	33.0	22.5	30.2	0.0	62.2	4	
1C	72	-2395	517	-16	0	-25	540	33.0	80.4	19.3	0.0	113.3	1	
1D	72	-2395	807	-16	0	-25	-44	33.0	25.5	30.2	0.0	62.3	4	
1E	72	2499	517	18	0	22	540	34.4	77.4	19.3	0.0	111.8	1	
1F	72	2499	807	18	0	22	-44	34.4	22.5	30.2	0.0	63.0	4	
1G	72	2499	517	-16	0	-25	540	34.4	80.4	19.3	0.0	114.7	1	
1H	72	2499	807	-16	0	-25	-44	34.4	25.5	30.2	0.0	63.1	4	
1I	72	-3731	489	13	0	-1	886	51.3	99.1	18.3	0.0	150.5	1	
1J	72	-3731	835	13	0	-1	-390	51.3	44.2	31.2	0.0	100.5	3	
1K	72	-3731	489	-11	0	-2	886	51.3	99.8	18.3	0.0	151.1	1	
1L	72	-3731	835	-11	0	-2	-390	51.3	44.9	31.2	0.0	100.5	3	
1M	72	3834	489	13	0	-1	886	52.7	99.1	18.3	0.0	151.9	1	
1N	72	3834	835	13	0	-1	-390	52.7	44.2	31.2	0.0	101.8	3	
1O	72	3834	489	-11	0	-2	886	52.7	99.8	18.3	0.0	152.5	1	
1P	72	3834	835	-11	0	-2	-390	52.7	44.9	31.2	0.0	101.8	3	
2	72	-12	3220	1	0	-10	946	0.2	113.0	120.4	0.0	208.6	4	
7	72	-172	2526	-1	0	-10	729	2.4	88.8	94.5	0.0	163.7	4	
8	72	81	2520	1	0	-8	724	1.1	86.3	94.3	0.0	163.3	4	
1A	144	-2394	476	18	0	30	969	32.9	131.6	17.8	0.0	164.6	1	
1B	144	-2394	766	18	0	30	449	32.9	74.1	28.6	0.0	107.0	1	
1C	144	-2394	476	-16	0	-35	969	32.9	135.8	17.8	0.0	168.8	1	
1D	144	-2394	766	-16	0	-35	449	32.9	78.3	28.6	0.0	111.2	1	
1E	144	2500	476	18	0	30	969	34.4	131.6	17.8	0.0	166.0	1	
1F	144	2500	766	18	0	30	449	34.4	74.1	28.6	0.0	108.5	1	
1G	144	2500	476	-16	0	-35	969	34.4	135.8	17.8	0.0	170.2	1	
1H	144	2500	766	-16	0	-35	449	34.4	78.3	28.6	0.0	112.7	1	
1I	144	-3730	448	13	0	-19	1245	51.3	153.1	16.7	0.0	204.4	1	
1J	144	-3730	794	13	0	-19	173	51.3	34.5	29.7	0.0	85.8	1	
1K	144	-3730	448	-11	0	14	1245	51.3	148.9	16.7	0.0	200.2	1	
1L	144	-3730	794	-11	0	14	173	51.3	30.3	29.7	0.0	81.6	1	
1M	144	3835	448	13	0	-19	1245	52.8	153.1	16.7	0.0	205.8	1	
1N	144	3835	794	13	0	-19	173	52.8	34.5	29.7	0.0	87.3	1	
1O	144	3835	448	-11	0	14	1245	52.8	148.9	16.7	0.0	201.6	1	
1P	144	3835	794	-11	0	14	173	52.8	30.3	29.7	0.0	83.1	1	
2	144	-10	3166	1	0	-11	3242	0.1	367.7	118.4	0.0	369.4	3	
7	144	-171	2473	-1	0	-10	2526	2.4	287.3	92.5	0.0	290.0	3	
8	144	83	2467	1	0	-9	2517	1.1	285.5	92.3	0.0	287.9	3	

ASTA NUM. 49 NI 795 NF 794 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2652	366	14	0	28	969	36.5	130.4	13.7	0.0	166.8	1	
1B	0	-2652	614	14	0	28	449	36.5	72.9	23.0	0.0	109.3	1	
1C	0	-2652	366	-13	0	-31	969	36.5	132.8	13.7	0.0	169.3	1	
1D	0	-2652	614	-13	0	-31	449	36.5	75.3	23.0	0.0	111.8	1	
1E	0	3706	366	14	0	28	969	51.0	130.4	13.7	0.0	181.3	1	
1F	0	3706	614	14	0	28	449	51.0	72.9	23.0	0.0	123.8	1	
1G	0	3706	366	-13	0	-31	969	51.0	132.8	13.7	0.0	183.8	1	
1H	0	3706	614	-13	0	-31	449	51.0	75.3	23.0	0.0	126.3	1	
1I	0	-2320	326	10	0	12	1245	31.9	147.8	12.2	0.0	179.7	1	
1J	0	-2320	654	10	0	12	173	31.9	29.2	24.5	0.0	61.1	1	
1K	0	-2320	326	-9	0	-15	1245	31.9	150.2	12.2	0.0	182.1	1	
1L	0	-2320	654	-9	0	-15	173	31.9	31.6	24.5	0.0	63.5	1	
1M	0	3373	326	10	0	12	1245	46.4	147.8	12.2	0.0	194.2	1	
1N	0	3373	654	10	0	12	173	46.4	29.2	24.5	0.0	75.6	1	
1O	0	3373	326	-9	0	-15	1245	46.4	150.2	12.2	0.0	196.6	1	
1P	0	3373	654	-9	0	-15	173	46.4	31.6	24.5	0.0	78.0	1	
2	0	2513	2258	6	0	-2	3241	34.6	360.5	84.5	0.0	395.0	1	
7	0	1907	1786	6	0	-1	2525	26.2	280.5	66.8	0.0	306.8	1	
8	0	2008	1780	4	0	-2	2516	27.6	280.3	66.6	0.0	307.9	1	
1A	72	-2651	325	14	0	19	1328	36.5	162.8	12.2	0.0	199.3	1	
1B	72	-2651	573	14	0	19	766	36.5	100.6	21.4	0.0	137.1	1	
1C	72	-2651	325	-13	0	-24	1328	36.5	166.1	12.2	0.0	202.6	1	
1D	72	-2651	573	-13	0	-24	766	36.5	103.9	21.4	0.0	140.4	1	
1E	72	3707	325	14	0	19	1328	51.0	162.8	12.2	0.0	213.8	1	
1F	72	3707	573	14	0	19	766	51.0	100.6	21.4	0.0	151.6	1	
1G	72	3707	325	-13	0	-24	1328	51.0	166.1	12.2	0.0	217.1	1	
1H	72	3707	573	-13	0	-24	766	51.0	103.9	21.4	0.0	154.9	1	
1I	72	-2319	285	10	0	8	1499	31.9	172.6	10.7	0.0	204.5	1	
1J	72	-2319	613	10	0	8	595	31.9	72.5	22.9	0.0	104.4	1	
1K	72	-2319	285	-9	0	-12	1499	31.9	175.9	10.7	0.0	207.8	1	
1L	72	-2319	613	-9	0	-12	595	31.9	75.9	22.9	0.0	107.7	1	
1M	72	3374	285	10	0	8	1499	46.4	172.6	10.7	0.0	219.0	1	
1N	72	3374	613	10	0	8	595	46.4	72.5	22.9	0.0	118.9	1	
1O	72	3374	285	-9	0	-12	1499	46.4	175.9	10.7	0.0	222.3	1	
1P	72	3374	613	-9	0	-12	595	46.4	75.9	22.9	0.0	122.3	1	
2	72	2514	2205	6	0	-7	4846	34.6	541.6	82.5	0.0	576.2	1	
7	72	1908	1733	6	0	-5	3790	26.3	423.8	64.8	0.0	450.0	1	
8	72	2010	1726	4	0	-6	3777	27.6	422.4	64.6	0.0	450.0	1	
1A	144	-2650	284	14	0	11	1657	36.5	192.0	10.6	0.0	228.4	1	
1B	144	-2650	532	14	0	11	1053	36.5	125.1	19.9	0.0	161.5	1	
1C	144	-2650	284	-13	0	-16	1657	36.5	196.1	10.6	0.0	232.6	1	
1D	144	-2650	532	-13	0	-16	1053	36.5	129.3	19.9	0.0	165.7	1	
1E	144	3708	284	14	0	11	1657	51.0	192.0	10.6	0.0	243.0	1	
1F	144	3708	532	14	0	11	1053	51.0	125.1	19.9	0.0	176.1	1	
1G	144	3708	284	-13	0	-16	1657	51.0	196.1	10.6	0.0	247.1	1	
1H	144	3708	532	-13	0	-16	1053	51.0	129.3	19.9	0.0	180.3	1	
1I	144	-2318	244	10	0	4	1723	31.9	194.1	9.1	0.0	226.0	1	
1J	144	-2318	572	10	0	4	987	31.9	112.6	21.4	0.0	144.5	1	
1K	144	-2318	244	-9	0	-9	1723	31.9	198.3	9.1	0.0	230.2	1	
1L	144	-2318	572	-9	0	-9	987	31.9	116.8	21.4	0.0	148.7	1	
1M	144	3375	244	10	0	4	1723	46.4	194.1	9.1	0.0	240.5	1	
1N	144	3375	572	10	0	4	987	46.4	112.6	21.4	0.0	159.0	1	
1O	144	3375	244	-9	0	-9	1723	46.4	198.3	9.1	0.0	244.7	1	
1P	144	3375	572	-9	0	-9	987	46.4	116.8	21.4	0.0	163.2	1	
2	144	2516	2152	6	0	-11	6412	34.6	718.6	80.5	0.0	753.2	1	
7	144	1910	1680	6	0	-9	5017	26.3	562.7	62.8	0.0	589.0	1	
8	144	2011	1673	4	0	-9	4999	27.7	560.2	62.6	0.0	587.9	1	

ASTA NUM. 50 NI 794 NF 798 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2545	164	32	0	12	1656	35.0	193.0	6.1	0.0	228.0	1	
1B	0	-2545	381	32	0	12	1052	35.0	126.2	14.3	0.0	161.2	1	
1C	0	-2545	164	-6	0	-15	1656	35.0	195.6	6.1	0.0	230.6	1	
1D	0	-2545	381	-6	0	-15	1052	35.0	128.7	14.3	0.0	163.7	1	
1E	0	4491	164	32	0	12	1656	61.8	193.0	6.1	0.0	254.8	1	
1F	0	4491	381	32	0	12	1052	61.8	126.2	14.3	0.0	187.9	1	
1G	0	4491	164	-6	0	-15	1656	61.8	195.6	6.1	0.0	257.4	1	
1H	0	4491	381	-6	0	-15	1052	61.8	128.7	14.3	0.0	190.5	1	
1I	0	-936	113	27	0	11	1722	12.9	199.2	4.2	0.0	212.0	1	
1J	0	-936	432	27	0	11	986	12.9	117.6	16.2	0.0	130.5	1	
1K	0	-936	113	-2	0	-14	1722	12.9	201.7	4.2	0.0	214.6	1	
1L	0	-936	432	-2	0	-14	986	12.9	120.2	16.2	0.0	133.1	1	
1M	0	2883	113	27	0	11	1722	39.7	199.2	4.2	0.0	238.8	1	
1N	0	2883	432	27	0	11	986	39.7	117.6	16.2	0.0	157.3	1	
1O	0	2883	113	-2	0	-14	1722	39.7	201.7	4.2	0.0	241.4	1	
1P	0	2883	432	-2	0	-14	986	39.7	120.2	16.2	0.0	159.8	1	
2	0	4941	1224	67	0	-3	6411	68.0	711.5	45.8	0.0	779.5	1	
7	0	3894	978	53	0	-1	5017	53.6	556.2	36.6	0.0	609.8	1	
8	0	3859	971	52	0	-3	4999	53.1	555.3	36.3	0.0	608.4	1	
1A	72	-2543	123	32	0	14	1851	35.0	215.8	4.6	0.0	250.8	1	

1B	72	-2543	340	32	0	14	1220	35.0	146.1	12.7	0.0	181.0	1
1C	72	-2543	123	-6	0	-35	1851	35.0	233.4	4.6	0.0	268.4	1
1D	72	-2543	340	-6	0	-35	1220	35.0	163.7	12.7	0.0	198.6	1
1E	72	4492	123	32	0	14	1851	61.8	215.8	4.6	0.0	277.6	1
1F	72	4492	340	32	0	14	1220	61.8	146.1	12.7	0.0	207.8	1
1G	72	4492	123	-6	0	-35	1851	61.8	233.4	4.6	0.0	295.2	1
1H	72	4492	340	-6	0	-35	1220	61.8	163.7	12.7	0.0	225.4	1
1I	72	-935	72	27	0	-12	1819	12.9	211.2	2.7	0.0	224.0	1
1J	72	-935	391	27	0	-12	1253	12.9	148.6	14.6	0.0	161.5	1
1K	72	-935	72	-2	0	-9	1819	12.9	208.8	2.7	0.0	221.7	1
1L	72	-935	391	-2	0	-9	1253	12.9	146.2	14.6	0.0	159.1	1
1M	72	2884	72	27	0	-12	1819	39.7	211.2	2.7	0.0	250.8	1
1N	72	2884	391	27	0	-12	1253	39.7	148.6	14.6	0.0	188.3	1
1O	72	2884	72	-2	0	-9	1819	39.7	208.8	2.7	0.0	248.5	1
1P	72	2884	391	-2	0	-9	1253	39.7	146.2	14.6	0.0	185.9	1
2	72	4942	1170	67	0	-51	7272	68.0	845.9	43.8	0.0	913.9	1
7	72	3896	925	53	0	-40	5701	53.6	663.1	34.6	0.0	716.7	1
8	72	3860	918	52	0	-40	5678	53.1	660.6	34.3	0.0	713.7	1
1A	144	-2542	82	32	0	15	2016	35.0	235.4	3.1	0.0	270.3	1
1B	144	-2542	299	32	0	15	1360	35.0	162.7	11.2	0.0	197.7	1
1C	144	-2542	82	-6	0	-55	2016	35.0	268.0	3.1	0.0	303.0	1
1D	144	-2542	299	-6	0	-55	1360	35.0	195.3	11.2	0.0	230.3	1
1E	144	4493	82	32	0	15	2016	61.8	235.4	3.1	0.0	297.2	1
1F	144	4493	299	32	0	15	1360	61.8	162.7	11.2	0.0	224.5	1
1G	144	4493	82	-6	0	-55	2016	61.8	268.0	3.1	0.0	329.8	1
1H	144	4493	299	-6	0	-55	1360	61.8	195.3	11.2	0.0	257.1	1
1I	144	-934	31	27	0	-35	1885	12.9	237.1	1.2	0.0	250.0	1
1J	144	-934	350	27	0	-35	1491	12.9	193.5	13.1	0.0	206.3	1
1K	144	-934	31	-2	0	-5	1885	12.9	212.6	1.2	0.0	225.5	1
1L	144	-934	350	-2	0	-5	1491	12.9	169.0	13.1	0.0	181.8	1
1M	144	2885	31	27	0	-35	1885	39.7	237.1	1.2	0.0	276.8	1
1N	144	2885	350	27	0	-35	1491	39.7	193.5	13.1	0.0	233.2	1
1O	144	2885	31	-2	0	-5	1885	39.7	212.6	1.2	0.0	252.3	1
1P	144	2885	350	-2	0	-5	1491	39.7	169.0	13.1	0.0	208.7	1
2	144	4944	1117	67	0	-99	8094	68.0	976.0	41.8	0.0	1044.0	1
7	144	3897	872	53	0	-78	6347	53.6	765.8	32.6	0.0	819.4	1
8	144	3862	864	52	0	-77	6318	53.1	761.6	32.3	0.0	814.7	1

ASTA NUM. 51 NI 798 NF 733 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2343	-54	19	0	16	2016	32.2	236.0	2.0	0.0	268.2	1	
1B	0	-2343	202	19	0	16	1360	32.2	163.3	7.5	0.0	195.6	1	
1C	0	-2343	-54	-18	0	-55	2016	32.2	267.6	2.0	0.0	299.8	1	
1D	0	-2343	202	-18	0	-55	1360	32.2	194.9	7.5	0.0	227.2	1	
1E	0	4695	-54	19	0	16	2016	64.6	236.0	2.0	0.0	300.6	1	
1F	0	4695	202	19	0	16	1360	64.6	163.3	7.5	0.0	227.9	1	
1G	0	4695	-54	-18	0	-55	2016	64.6	267.6	2.0	0.0	332.2	1	
1H	0	4695	202	-18	0	-55	1360	64.6	194.9	7.5	0.0	259.5	1	
1I	0	-102	-105	15	0	-2	1885	1.4	210.5	3.9	0.0	211.9	1	
1J	0	-102	252	15	0	-2	1491	1.4	166.8	9.4	0.0	168.2	1	
1K	0	-102	-105	-15	0	-36	1885	1.4	238.3	3.9	0.0	239.7	1	
1L	0	-102	252	-15	0	-36	1491	1.4	194.6	9.4	0.0	196.0	1	
1M	0	2454	-105	15	0	-2	1885	33.8	210.5	3.9	0.0	244.2	1	
1N	0	2454	252	15	0	-2	1491	33.8	166.8	9.4	0.0	200.6	1	
1O	0	2454	-105	-15	0	-36	1885	33.8	238.3	3.9	0.0	272.1	1	
1P	0	2454	252	-15	0	-36	1491	33.8	194.6	9.4	0.0	228.4	1	
2	0	6223	287	4	0	-92	8094	85.6	970.5	10.7	0.0	1056.1	1	
7	0	4985	248	4	0	-71	6346	68.6	760.3	9.3	0.0	828.9	1	
8	0	4812	237	3	0	-72	6318	66.2	757.8	8.9	0.0	824.0	1	
1A	37	-2343	-75	19	0	21	2049	32.2	243.5	2.8	0.0	275.8	1	
1B	37	-2343	180	19	0	21	1374	32.2	168.9	6.7	0.0	201.1	1	
1C	37	-2343	-75	-18	0	-60	2049	32.2	275.2	2.8	0.0	307.4	1	
1D	37	-2343	180	-18	0	-60	1374	32.2	200.5	6.7	0.0	232.8	1	
1E	37	4696	-75	19	0	21	2049	64.6	243.5	2.8	0.0	308.1	1	
1F	37	4696	180	19	0	21	1374	64.6	168.9	6.7	0.0	233.5	1	
1G	37	4696	-75	-18	0	-60	2049	64.6	275.2	2.8	0.0	339.8	1	
1H	37	4696	180	-18	0	-60	1374	64.6	200.5	6.7	0.0	265.1	1	
1I	37	-102	-126	15	0	-3	1878	1.4	210.6	4.7	0.0	212.0	1	
1J	37	-102	231	15	0	-3	1545	1.4	173.7	8.6	0.0	175.1	1	
1K	37	-102	-126	-15	0	-35	1878	1.4	236.7	4.7	0.0	238.1	1	
1L	37	-102	231	-15	0	-35	1545	1.4	199.8	8.6	0.0	201.2	1	
1M	37	2455	-126	15	0	-3	1878	33.8	210.6	4.7	0.0	244.4	1	
1N	37	2455	231	15	0	-3	1545	33.8	173.7	8.6	0.0	207.5	1	
1O	37	2455	-126	-15	0	-35	1878	33.8	236.7	4.7	0.0	270.4	1	
1P	37	2455	231	-15	0	-35	1545	33.8	199.8	8.6	0.0	233.5	1	
2	37	6224	259	4	0	-94	8196	85.6	983.0	9.7	0.0	1068.6	1	
7	37	4986	220	4	0	-73	6434	68.6	771.3	8.2	0.0	839.9	1	
8	37	4813	209	3	0	-73	6402	66.2	767.8	7.8	0.0	834.0	1	
1A	75	-2342	-97	19	0	25	2073	32.2	250.2	3.6	0.0	282.4	1	
1B	75	-2342	159	19	0	25	1381	32.2	173.5	5.9	0.0	205.7	1	
1C	75	-2342	-97	-18	0	-64	2073	32.2	281.9	3.6	0.0	314.1	1	
1D	75	-2342	159	-18	0	-64	1381	32.2	205.2	5.9	0.0	237.4	1	
1E	75	4696	-97	19	0	25	2073	64.6	250.2	3.6	0.0	314.8	1	
1F	75	4696	159	19	0	25	1381	64.6	173.5	5.9	0.0	238.1	1	
1G	75	4696	-97	-18	0	-64	2073	64.6	281.9	3.6	0.0	346.5	1	
1H	75	4696	159	-18	0	-64	1381	64.6	205.2	5.9	0.0	269.8	1	

1I	75	-101	-148	15	0	-5	1863	1.4	209.8	5.5	0.0	211.2	1
1J	75	-101	210	15	0	-5	1591	1.4	179.7	7.8	0.0	181.1	1
1K	75	-101	-148	-15	0	-34	1863	1.4	234.1	5.5	0.0	235.5	1
1L	75	-101	210	-15	0	-34	1591	1.4	204.0	7.8	0.0	205.4	1
1M	75	2455	-148	15	0	-5	1863	33.8	209.8	5.5	0.0	243.6	1
1N	75	2455	210	15	0	-5	1591	33.8	179.7	7.8	0.0	213.5	1
1O	75	2455	-148	-15	0	-34	1863	33.8	234.1	5.5	0.0	267.9	1
1P	75	2455	210	-15	0	-34	1591	33.8	204.0	7.8	0.0	237.8	1
2	75	6224	231	4	0	-95	8288	85.6	994.3	8.7	0.0	1080.0	1
7	75	4987	192	4	0	-75	6511	68.6	781.1	7.2	0.0	849.7	1
8	75	4814	181	3	0	-74	6475	66.2	776.7	6.8	0.0	842.9	1

ASTA NUM. 52 NI 797 NF 793 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2528	-301	7	0	15	2023	34.8	236.4	11.2	0.0	271.1	1	
1B	0	-2528	-75	7	0	15	1357	34.8	162.8	2.8	0.0	197.5	1	
1C	0	-2528	-301	-32	0	-55	2023	34.8	268.6	11.2	0.0	303.4	1	
1D	0	-2528	-75	-32	0	-55	1357	34.8	195.0	2.8	0.0	229.8	1	
1E	0	4499	-301	7	0	15	2023	61.9	236.4	11.2	0.0	298.2	1	
1F	0	4499	-75	7	0	15	1357	61.9	162.8	2.8	0.0	224.7	1	
1G	0	4499	-301	-32	0	-55	2023	61.9	268.6	11.2	0.0	330.5	1	
1H	0	4499	-75	-32	0	-55	1357	61.9	195.0	2.8	0.0	256.9	1	
1I	0	-1309	-343	1	0	-6	1903	18.0	215.5	12.8	0.0	233.5	1	
1J	0	-1309	-33	1	0	-6	1477	18.0	168.5	1.3	0.0	186.5	1	
1K	0	-1309	-343	-26	0	-33	1903	18.0	237.7	12.8	0.0	255.7	1	
1L	0	-1309	-33	-26	0	-33	1477	18.0	190.7	1.3	0.0	208.7	1	
1M	0	3280	-343	1	0	-6	1903	45.1	215.5	12.8	0.0	260.6	1	
1N	0	3280	-33	1	0	-6	1477	45.1	168.5	1.3	0.0	213.6	1	
1O	0	3280	-343	-26	0	-33	1903	45.1	237.7	12.8	0.0	282.8	1	
1P	0	3280	-33	-26	0	-33	1477	45.1	190.7	1.3	0.0	235.8	1	
2	0	5587	-974	-60	0	-95	8206	76.9	985.7	36.4	0.0	1062.5	1	
7	0	4585	-745	-46	0	-74	6446	63.1	773.8	27.9	0.0	836.8	1	
8	0	4270	-747	-47	0	-75	6408	58.7	769.8	28.0	0.0	828.5	1	
1A	72	-2529	-342	7	0	14	1861	34.8	217.1	12.8	0.0	251.9	1	
1B	72	-2529	-116	7	0	14	1218	34.8	146.0	4.4	0.0	180.8	1	
1C	72	-2529	-342	-32	0	-35	1861	34.8	234.6	12.8	0.0	269.4	1	
1D	72	-2529	-116	-32	0	-35	1218	34.8	163.5	4.4	0.0	198.3	1	
1E	72	4498	-342	7	0	14	1861	61.9	217.1	12.8	0.0	279.0	1	
1F	72	4498	-116	7	0	14	1218	61.9	146.0	4.4	0.0	207.9	1	
1G	72	4498	-342	-32	0	-35	1861	61.9	234.6	12.8	0.0	296.5	1	
1H	72	4498	-116	-32	0	-35	1218	61.9	163.5	4.4	0.0	225.4	1	
1I	72	-1310	-384	1	0	-10	1834	18.0	211.4	14.4	0.0	229.5	1	
1J	72	-1310	-74	1	0	-10	1245	18.0	146.3	2.8	0.0	164.3	1	
1K	72	-1310	-384	-26	0	-11	1834	18.0	212.0	14.4	0.0	230.0	1	
1L	72	-1310	-74	-26	0	-11	1245	18.0	146.8	2.8	0.0	164.8	1	
1M	72	3279	-384	1	0	-10	1834	45.1	211.4	14.4	0.0	256.5	1	
1N	72	3279	-74	1	0	-10	1245	45.1	146.3	2.8	0.0	191.4	1	
1O	72	3279	-384	-26	0	-11	1834	45.1	212.0	14.4	0.0	257.1	1	
1P	72	3279	-74	-26	0	-11	1245	45.1	146.8	2.8	0.0	191.9	1	
2	72	5586	-1028	-60	0	-52	7487	76.8	870.8	38.4	0.0	947.6	1	
7	72	4584	-798	-46	0	-41	5891	63.0	685.3	29.9	0.0	748.4	1	
8	72	4268	-801	-47	0	-41	5852	58.7	680.5	30.0	0.0	739.2	1	
1A	144	-2530	-383	7	0	12	1670	34.8	194.6	14.3	0.0	229.4	1	
1B	144	-2530	-157	7	0	12	1050	34.8	126.0	5.9	0.0	160.8	1	
1C	144	-2530	-383	-32	0	-16	1670	34.8	197.4	14.3	0.0	232.2	1	
1D	144	-2530	-157	-32	0	-16	1050	34.8	128.8	5.9	0.0	163.6	1	
1E	144	4497	-383	7	0	12	1670	61.9	194.6	14.3	0.0	256.5	1	
1F	144	4497	-157	7	0	12	1050	61.9	126.0	5.9	0.0	187.8	1	
1G	144	4497	-383	-32	0	-16	1670	61.9	197.4	14.3	0.0	259.3	1	
1H	144	4497	-157	-32	0	-16	1050	61.9	128.8	5.9	0.0	190.6	1	
1I	144	-1311	-425	1	0	-15	1737	18.0	204.1	15.9	0.0	222.1	1	
1J	144	-1311	-115	1	0	-15	983	18.0	120.8	4.3	0.0	138.8	1	
1K	144	-1311	-425	-26	0	11	1737	18.0	201.3	15.9	0.0	219.3	1	
1L	144	-1311	-115	-26	0	11	983	18.0	118.0	4.3	0.0	136.0	1	
1M	144	3278	-425	1	0	-15	1737	45.1	204.1	15.9	0.0	249.2	1	
1N	144	3278	-115	1	0	-15	983	45.1	120.8	4.3	0.0	165.9	1	
1O	144	3278	-425	-26	0	11	1737	45.1	201.3	15.9	0.0	246.4	1	
1P	144	3278	-115	-26	0	11	983	45.1	118.0	4.3	0.0	163.1	1	
2	144	5584	-1081	-60	0	-9	6729	76.8	751.6	40.4	0.0	828.4	1	
7	144	4582	-852	-46	0	-8	5298	63.0	592.6	31.9	0.0	655.6	1	
8	144	4267	-854	-47	0	-7	5257	58.7	587.0	31.9	0.0	645.7	1	

ASTA NUM. 53 NI 793 NF 792 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2466	-526	14	0	11	1670	33.9	193.9	19.7	0.0	227.8	1	
1B	0	-2466	-285	14	0	11	1050	33.9	125.2	10.6	0.0	159.2	1	
1C	0	-2466	-526	-15	0	-16	1670	33.9	197.7	19.7	0.0	231.6	1	
1D	0	-2466	-285	-15	0	-16	1050	33.9	129.0	10.6	0.0	163.0	1	

1E	0	3570	-526	14	0	11	1670	49.1	193.9	19.7	0.0	243.0	1
1F	0	3570	-285	14	0	11	1050	49.1	125.2	10.6	0.0	174.4	1
1G	0	3570	-526	-15	0	-16	1670	49.1	197.7	19.7	0.0	246.8	1
1H	0	3570	-285	-15	0	-16	1050	49.1	129.0	10.6	0.0	178.2	1
1I	0	-2605	-563	10	0	4	1736	35.8	195.4	21.0	0.0	231.2	1
1J	0	-2605	-247	10	0	4	984	35.8	112.1	9.3	0.0	147.9	1
1K	0	-2605	-563	-10	0	-9	1736	35.8	199.2	21.0	0.0	235.0	1
1L	0	-2605	-247	-10	0	-9	984	35.8	115.9	9.3	0.0	151.7	1
1M	0	3709	-563	10	0	4	1736	51.0	195.4	21.0	0.0	246.4	1
1N	0	3709	-247	10	0	4	984	51.0	112.1	9.3	0.0	163.1	1
1O	0	3709	-563	-10	0	-9	1736	51.0	199.2	21.0	0.0	250.2	1
1P	0	3709	-247	-10	0	-9	984	51.0	115.9	9.3	0.0	166.9	1
2	0	3805	-2002	-1	0	-8	6729	52.3	751.1	74.9	0.0	803.4	1
7	0	3288	-1547	0	0	-6	5299	45.2	591.2	57.9	0.0	636.5	1
8	0	2830	-1551	-1	0	-7	5257	38.9	587.0	58.0	0.0	626.0	1
1A	72	-2467	-567	14	0	21	1344	33.9	165.8	21.2	0.0	199.7	1
1B	72	-2467	-326	14	0	21	764	33.9	101.7	12.2	0.0	135.6	1
1C	72	-2467	-567	-15	0	-25	1344	33.9	169.0	21.2	0.0	203.0	1
1D	72	-2467	-326	-15	0	-25	764	33.9	104.9	12.2	0.0	138.9	1
1E	72	3569	-567	14	0	21	1344	49.1	165.8	21.2	0.0	214.9	1
1F	72	3569	-326	14	0	21	764	49.1	101.7	12.2	0.0	150.8	1
1G	72	3569	-567	-15	0	-25	1344	49.1	169.0	21.2	0.0	218.1	1
1H	72	3569	-326	-15	0	-25	764	49.1	104.9	12.2	0.0	154.0	1
1I	72	-2606	-604	10	0	9	1511	35.8	174.5	22.6	0.0	210.4	1
1J	72	-2606	-289	10	0	9	597	35.8	73.4	10.8	0.0	109.2	1
1K	72	-2606	-604	-10	0	-13	1511	35.8	177.8	22.6	0.0	213.6	1
1L	72	-2606	-289	-10	0	-13	597	35.8	76.7	10.8	0.0	112.5	1
1M	72	3708	-604	10	0	9	1511	51.0	174.5	22.6	0.0	225.5	1
1N	72	3708	-289	10	0	9	597	51.0	73.4	10.8	0.0	124.4	1
1O	72	3708	-604	-10	0	-13	1511	51.0	177.8	22.6	0.0	228.8	1
1P	72	3708	-289	-10	0	-13	597	51.0	76.7	10.8	0.0	127.7	1
2	72	3804	-2055	-1	0	-8	5271	52.3	589.4	76.9	0.0	641.8	1
7	72	3287	-1600	0	0	-6	4167	45.2	466.3	59.9	0.0	511.5	1
8	72	2829	-1604	-1	0	-6	4123	38.9	461.1	60.0	0.0	500.0	1
1A	144	-2468	-608	14	0	31	988	34.0	134.4	22.7	0.0	168.3	1
1B	144	-2468	-367	14	0	31	450	34.0	74.8	13.7	0.0	108.8	1
1C	144	-2468	-608	-15	0	-34	988	34.0	137.1	22.7	0.0	171.1	1
1D	144	-2468	-367	-15	0	-34	450	34.0	77.6	13.7	0.0	111.5	1
1E	144	3568	-608	14	0	31	988	49.1	134.4	22.7	0.0	183.5	1
1F	144	3568	-367	14	0	31	450	49.1	74.8	13.7	0.0	123.9	1
1G	144	3568	-608	-15	0	-34	988	49.1	137.1	22.7	0.0	186.2	1
1H	144	3568	-367	-15	0	-34	450	49.1	77.6	13.7	0.0	126.6	1
1I	144	-2607	-645	10	0	14	1257	35.9	150.4	24.1	0.0	186.3	1
1J	144	-2607	-330	10	0	14	181	35.9	31.4	12.3	0.0	67.3	1
1K	144	-2607	-645	-10	0	-17	1257	35.9	153.2	24.1	0.0	189.0	1
1L	144	-2607	-330	-10	0	-17	181	35.9	34.2	12.3	0.0	70.0	1
1M	144	3707	-645	10	0	14	1257	51.0	150.4	24.1	0.0	201.4	1
1N	144	3707	-330	10	0	14	181	51.0	31.4	12.3	0.0	82.4	1
1O	144	3707	-645	-10	0	-17	1257	51.0	153.2	24.1	0.0	204.1	1
1P	144	3707	-330	-10	0	-17	181	51.0	34.2	12.3	0.0	85.1	1
2	144	3803	-2108	-1	0	-7	3774	52.3	423.6	78.9	0.0	475.9	1
7	144	3286	-1654	0	0	-7	2997	45.2	337.1	61.9	0.0	382.3	1
8	144	2828	-1658	-1	0	-6	2950	38.9	331.0	62.0	0.0	369.9	1

ASTA NUM. 54 NI 792 NF 791 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2000	-757	16	0	32	988	27.5	135.8	28.3	0.0	163.3	1	
1B	0	-2000	-479	16	0	32	450	27.5	76.2	17.9	0.0	103.7	1	
1C	0	-2000	-757	-21	0	-37	988	27.5	139.6	28.3	0.0	167.1	1	
1D	0	-2000	-479	-21	0	-37	450	27.5	80.0	17.9	0.0	107.6	1	
1E	0	2188	-757	16	0	32	988	30.1	135.8	28.3	0.0	165.9	1	
1F	0	2188	-479	16	0	32	450	30.1	76.2	17.9	0.0	106.3	1	
1G	0	2188	-757	-21	0	-37	988	30.1	139.6	28.3	0.0	169.7	1	
1H	0	2188	-479	-21	0	-37	450	30.1	80.0	17.9	0.0	110.1	1	
1I	0	-3893	-784	10	0	13	1257	53.6	149.6	29.3	0.0	203.1	1	
1J	0	-3893	-451	10	0	13	181	53.6	30.6	16.9	0.0	84.1	1	
1K	0	-3893	-784	-15	0	-18	1257	53.6	153.4	29.3	0.0	206.9	1	
1L	0	-3893	-451	-15	0	-18	181	53.6	34.4	16.9	0.0	87.9	1	
1M	0	4081	-784	10	0	13	1257	56.1	149.6	29.3	0.0	205.7	1	
1N	0	4081	-451	10	0	13	181	56.1	30.6	16.9	0.0	86.7	1	
1O	0	4081	-784	-15	0	-18	1257	56.1	153.4	29.3	0.0	209.5	1	
1P	0	4081	-451	-15	0	-18	181	56.1	34.4	16.9	0.0	90.5	1	
2	0	2010	-3005	-12	0	-7	3775	27.6	423.3	112.4	0.0	450.9	1	
7	0	1987	-2330	-11	0	-5	2998	27.3	335.9	87.2	0.0	363.2	1	
8	0	1369	-2336	-9	0	-6	2951	18.8	331.3	87.4	0.0	350.1	1	
1A	72	-2001	-798	16	0	24	541	27.5	79.1	29.8	0.0	106.7	1	
1B	72	-2001	-520	16	0	24	-21	27.5	21.6	19.4	0.0	49.1	1	
1C	72	-2001	-798	-21	0	-25	541	27.5	80.1	29.8	0.0	107.6	1	
1D	72	-2001	-520	-21	0	-25	-21	27.5	22.6	19.4	0.0	50.1	1	
1E	72	2187	-798	16	0	24	541	30.1	79.1	29.8	0.0	109.2	1	
1F	72	2187	-520	16	0	24	-21	30.1	21.6	19.4	0.0	51.7	1	
1G	72	2187	-798	-21	0	-25	541	30.1	80.1	29.8	0.0	110.2	1	
1H	72	2187	-520	-21	0	-25	-21	30.1	22.6	19.4	0.0	52.7	1	
1I	72	-3894	-826	10	0	-1	890	53.6	99.2	30.9	0.0	152.8	1	
1J	72	-3894	-492	10	0	-1	-370	53.6	41.7	18.4	0.0	95.3	1	
1K	72	-3894	-826	-15	0	-0	890	53.6	98.7	30.9	0.0	152.3	1	

1L	72	-3894	-492	-15	0	-0	-370	53.6	41.2	18.4	0.0	94.9	3
1M	72	4080	-826	10	0	-1	890	56.1	99.2	30.9	0.0	155.4	1
1N	72	4080	-492	10	0	-1	-370	56.1	41.7	18.4	0.0	97.8	1
1O	72	4080	-826	-15	0	-0	890	56.1	98.7	30.9	0.0	154.9	1
1P	72	4080	-492	-15	0	-0	-370	56.1	41.2	18.4	0.0	97.4	3
2	72	2008	-3058	-12	0	2	1595	27.6	177.8	114.4	0.0	245.0	3
7	72	1986	-2384	-11	0	2	1303	27.3	146.2	89.2	0.0	200.5	3
8	72	1368	-2389	-9	0	1	1252	18.8	139.0	89.4	0.0	189.7	3
1A	144	-2003	-839	16	0	15	64	27.5	19.2	31.4	0.0	61.2	4
1B	144	-2003	-561	16	0	15	-521	27.5	69.8	21.0	0.0	97.3	1
1C	144	-2003	-839	-21	0	-13	64	27.5	17.3	31.4	0.0	61.2	4
1D	144	-2003	-561	-21	0	-13	-521	27.5	67.9	21.0	0.0	95.5	1
1E	144	2186	-839	16	0	15	64	30.1	19.2	31.4	0.0	62.4	4
1F	144	2186	-561	16	0	15	-521	30.1	69.8	21.0	0.0	99.9	1
1G	144	2186	-839	-21	0	-13	64	30.1	17.3	31.4	0.0	62.4	4
1H	144	2186	-561	-21	0	-13	-521	30.1	67.9	21.0	0.0	98.0	1
1I	144	-3895	-867	10	0	-15	494	53.6	66.7	32.4	0.0	120.3	1
1J	144	-3895	-533	10	0	-15	-952	53.6	117.3	20.0	0.0	170.9	1
1K	144	-3895	-867	-15	0	17	494	53.6	68.6	32.4	0.0	122.2	1
1L	144	-3895	-533	-15	0	17	-952	53.6	119.2	20.0	0.0	172.7	1
1M	144	4079	-867	10	0	-15	494	56.1	66.7	32.4	0.0	122.8	1
1N	144	4079	-533	10	0	-15	-952	56.1	117.3	20.0	0.0	173.4	1
1O	144	4079	-867	-15	0	17	494	56.1	68.6	32.4	0.0	124.7	1
1P	144	4079	-533	-15	0	17	-952	56.1	119.2	20.0	0.0	175.3	1
2	144	2007	-3111	-12	0	10	-622	27.6	77.0	116.4	0.0	203.5	4
7	144	1985	-2437	-11	0	10	-430	27.3	55.7	91.2	0.0	160.3	4
8	144	1366	-2442	-9	0	7	-485	18.8	59.3	91.3	0.0	159.4	4

ASTA NUM. 55 NI 791 NF 800 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2589	-990	126	0	21	63	35.6	24.0	37.0	0.0	73.8	4	
1B	0	-2589	-684	126	0	21	-521	35.6	74.6	25.6	0.0	110.2	1	
1C	0	-2589	-990	-132	0	-20	63	35.6	23.2	37.0	0.0	73.7	4	
1D	0	-2589	-684	-132	0	-20	-521	35.6	73.7	25.6	0.0	109.4	1	
1E	0	1888	-990	126	0	21	63	26.0	24.0	37.0	0.0	69.5	4	
1F	0	1888	-684	126	0	21	-521	26.0	74.6	25.6	0.0	100.5	1	
1G	0	1888	-990	-132	0	-20	63	26.0	23.2	37.0	0.0	69.5	4	
1H	0	1888	-684	-132	0	-20	-521	26.0	73.7	25.6	0.0	99.7	1	
1I	0	-5059	-1010	305	0	27	495	69.6	76.9	37.8	0.0	146.5	1	
1J	0	-5059	-665	305	0	27	-952	69.6	127.5	24.9	0.0	197.1	1	
1K	0	-5059	-1010	-311	0	-26	495	69.6	76.1	37.8	0.0	145.7	1	
1L	0	-5059	-665	-311	0	-26	-952	69.6	126.7	24.9	0.0	196.3	1	
1M	0	4357	-1010	305	0	27	495	59.9	76.9	37.8	0.0	136.9	1	
1N	0	4357	-665	305	0	27	-952	59.9	127.5	24.9	0.0	187.5	1	
1O	0	4357	-1010	-311	0	-26	495	59.9	76.1	37.8	0.0	136.1	1	
1P	0	4357	-665	-311	0	-26	-952	59.9	126.7	24.9	0.0	186.6	1	
2	0	208	-4044	81	0	11	-622	2.9	77.6	151.3	0.0	262.0	4	
7	0	642	-3141	93	0	12	-430	8.8	57.2	117.5	0.0	203.7	4	
8	0	-83	-3148	48	0	7	-484	1.1	59.2	117.8	0.0	204.0	4	
1A	72	-2590	-1031	126	0	-71	-458	35.6	108.4	38.6	0.0	144.0	1	
1B	72	-2590	-725	126	0	-71	-1232	35.6	194.1	27.1	0.0	229.7	1	
1C	72	-2590	-1031	-132	0	76	-458	35.6	112.8	38.6	0.0	148.4	1	
1D	72	-2590	-725	-132	0	76	-1232	35.6	198.5	27.1	0.0	234.1	1	
1E	72	1887	-1031	126	0	-71	-458	26.0	108.4	38.6	0.0	134.4	1	
1F	72	1887	-725	126	0	-71	-1232	26.0	194.1	27.1	0.0	220.0	1	
1G	72	1887	-1031	-132	0	76	-458	26.0	112.8	38.6	0.0	138.7	1	
1H	72	1887	-725	-132	0	76	-1232	26.0	198.5	27.1	0.0	224.4	1	
1I	72	-5060	-1051	305	0	-194	-3	69.6	158.5	39.3	0.0	228.1	1	
1J	72	-5060	-706	305	0	-194	-1687	69.6	344.8	26.4	0.0	414.4	1	
1K	72	-5060	-1051	-311	0	199	-3	69.6	162.8	39.3	0.0	232.5	1	
1L	72	-5060	-706	-311	0	199	-1687	69.6	349.2	26.4	0.0	418.8	1	
1M	72	4356	-1051	305	0	-194	-3	59.9	158.5	39.3	0.0	218.4	1	
1N	72	4356	-706	305	0	-194	-1687	59.9	344.8	26.4	0.0	404.7	1	
1O	72	4356	-1051	-311	0	199	-3	59.9	162.8	39.3	0.0	222.8	1	
1P	72	4356	-706	-311	0	199	-1687	59.9	349.2	26.4	0.0	409.1	1	
2	72	206	-4097	81	0	-47	-3549	2.8	431.3	153.2	0.0	434.1	1	
7	72	641	-3194	93	0	-55	-2708	8.8	344.3	119.5	0.0	353.1	1	
8	72	-85	-3202	48	0	-28	-2767	1.2	328.7	119.8	0.0	329.9	1	
1A	144	-2591	-1072	126	0	-163	-1009	35.6	244.1	40.1	0.0	279.7	1	
1B	144	-2591	-766	126	0	-163	-1973	35.6	350.8	28.7	0.0	386.4	1	
1C	144	-2591	-1072	-132	0	172	-1009	35.6	252.0	40.1	0.0	287.6	1	
1D	144	-2591	-766	-132	0	172	-1973	35.6	358.7	28.7	0.0	394.4	1	
1E	144	1886	-1072	126	0	-163	-1009	25.9	244.1	40.1	0.0	270.0	1	
1F	144	1886	-766	126	0	-163	-1973	25.9	350.8	28.7	0.0	376.7	1	
1G	144	1886	-1072	-132	0	172	-1009	25.9	252.0	40.1	0.0	277.9	1	
1H	144	1886	-766	-132	0	172	-1973	25.9	358.7	28.7	0.0	384.7	1	
1I	144	-5061	-1092	305	0	-415	-530	69.6	397.2	40.8	0.0	466.8	1	
1J	144	-5061	-747	305	0	-415	-2452	69.6	609.8	27.9	0.0	679.4	1	
1K	144	-5061	-1092	-311	0	425	-530	69.6	405.1	40.8	0.0	474.7	1	
1L	144	-5061	-747	-311	0	425	-2452	69.6	617.7	27.9	0.0	687.3	1	
1M	144	4355	-1092	305	0	-415	-530	59.9	397.2	40.8	0.0	457.1	1	
1N	144	4355	-747	305	0	-415	-2452	59.9	609.8	27.9	0.0	669.7	1	
1O	144	4355	-1092	-311	0	425	-530	59.9	405.1	40.8	0.0	465.0	1	
1P	144	4355	-747	-311	0	425	-2452	59.9	617.7	27.9	0.0	677.6	1	
2	144	205	-4150	81	0	-106	-6514	2.8	806.7	155.2	0.0	809.5	1	
7	144	639	-3248	93	0	-122	-5024	8.8	655.1	121.5	0.0	663.9	1	

8	144	-86	-3255	48	0	-62	-5088	1.2	613.6	121.8	0.0	614.8	1

ASTA NUM. 56 NI 800 NF 417 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3669	-1204	932	0	168	-1010	50.5	248.6	45.0	0.0	299.1	1	
1B	0	-3669	-894	932	0	168	-1974	50.5	355.3	33.4	0.0	405.8	1	
1C	0	-3669	-1204	-1244	0	-159	-1010	50.5	241.5	45.0	0.0	292.0	1	
1D	0	-3669	-894	-1244	0	-159	-1974	50.5	348.2	43.2	0.0	398.7	1	
1E	0	2538	-1204	932	0	168	-1010	34.9	248.6	45.0	0.0	283.5	1	
1F	0	2538	-894	932	0	168	-1974	34.9	355.3	33.4	0.0	390.2	1	
1G	0	2538	-1204	-1244	0	-159	-1010	34.9	241.5	45.0	0.0	276.4	1	
1H	0	2538	-894	-1244	0	-159	-1974	34.9	348.2	43.2	0.0	383.1	1	
1I	0	-5499	-1222	1662	0	420	-531	75.6	400.7	57.7	0.0	476.3	1	
1J	0	-5499	-876	1662	0	420	-2453	75.6	613.4	57.7	0.0	689.0	1	
1K	0	-5499	-1222	-1974	0	-411	-531	75.6	393.6	68.6	0.0	469.2	1	
1L	0	-5499	-876	-1974	0	-411	-2453	75.6	606.3	68.6	0.0	681.9	1	
1M	0	4367	-1222	1662	0	420	-531	60.1	400.7	57.7	0.0	460.8	1	
1N	0	4367	-876	1662	0	420	-2453	60.1	613.4	57.7	0.0	673.5	1	
1O	0	4367	-1222	-1974	0	-411	-531	60.1	393.6	68.6	0.0	453.7	1	
1P	0	4367	-876	-1974	0	-411	-2453	60.1	606.3	68.6	0.0	666.4	1	
2	0	-779	-5061	-1164	0	-107	-6515	10.7	807.6	189.3	0.0	818.4	1	
7	0	-123	-3936	-995	0	-122	-5025	1.7	655.4	147.2	0.0	657.0	1	
8	0	-859	-3942	-850	0	-63	-5089	11.8	614.6	147.5	0.0	626.4	1	
1A	12	-3670	-1211	932	0	-2	-1123	50.5	126.2	45.3	0.0	185.3	3	
1B	12	-3670	-901	932	0	-2	-2125	50.5	237.1	33.7	0.0	287.5	1	
1C	12	-3670	-1211	-1244	0	50	-1123	50.5	165.1	45.3	0.0	215.6	1	
1D	12	-3670	-901	-1244	0	50	-2125	50.5	275.9	43.2	0.0	326.4	1	
1E	12	2537	-1211	932	0	-2	-1123	34.9	126.2	45.3	0.0	171.5	3	
1F	12	2537	-901	932	0	-2	-2125	34.9	237.1	33.7	0.0	272.0	1	
1G	12	2537	-1211	-1244	0	50	-1123	34.9	165.1	45.3	0.0	200.0	1	
1H	12	2537	-901	-1244	0	50	-2125	34.9	275.9	43.2	0.0	310.8	1	
1I	12	-5499	-1229	1662	0	142	-641	75.6	186.8	57.7	0.0	262.4	1	
1J	12	-5499	-883	1662	0	142	-2606	75.6	404.2	57.7	0.0	479.8	1	
1K	12	-5499	-1229	-1974	0	-94	-641	75.6	147.9	68.6	0.0	223.6	1	
1L	12	-5499	-883	-1974	0	-94	-2606	75.6	365.3	68.6	0.0	440.9	1	
1M	12	4367	-1229	1662	0	142	-641	60.1	186.8	57.7	0.0	246.9	1	
1N	12	4367	-883	1662	0	142	-2606	60.1	404.2	57.7	0.0	464.2	1	
1O	12	4367	-1229	-1974	0	-94	-641	60.1	147.9	68.6	0.0	208.0	1	
1P	12	4367	-883	-1974	0	-94	-2606	60.1	365.3	68.6	0.0	425.4	1	
2	12	-779	-5070	-1164	0	39	-7148	10.7	822.6	189.6	0.0	833.3	1	
7	12	-123	-3945	-995	0	2	-5517	1.7	612.3	147.6	0.0	614.0	1	
8	12	-859	-3952	-850	0	43	-5582	11.8	652.6	147.8	0.0	664.4	1	
1A	25	-3670	-1218	932	0	-173	-1236	50.5	277.7	45.6	0.0	328.2	1	
1B	25	-3670	-908	932	0	-173	-2276	50.5	392.7	34.0	0.0	443.2	1	
1C	25	-3670	-1218	-1244	0	260	-1236	50.5	348.4	45.6	0.0	398.9	1	
1D	25	-3670	-908	-1244	0	260	-2276	50.5	463.3	43.2	0.0	513.8	1	
1E	25	2537	-1218	932	0	-173	-1236	34.9	277.7	45.6	0.0	312.6	1	
1F	25	2537	-908	932	0	-173	-2276	34.9	392.7	34.0	0.0	427.6	1	
1G	25	2537	-1218	-1244	0	260	-1236	34.9	348.4	45.6	0.0	383.3	1	
1H	25	2537	-908	-1244	0	260	-2276	34.9	463.3	43.2	0.0	498.2	1	
1I	25	-5500	-1236	1662	0	-135	-752	75.6	193.5	57.7	0.0	269.2	1	
1J	25	-5500	-890	1662	0	-135	-2760	75.6	415.6	57.7	0.0	491.2	1	
1K	25	-5500	-1236	-1974	0	222	-752	75.6	264.2	68.6	0.0	339.8	1	
1L	25	-5500	-890	-1974	0	222	-2760	75.6	486.2	68.6	0.0	561.8	1	
1M	25	4367	-1236	1662	0	-135	-752	60.1	193.5	57.7	0.0	253.6	1	
1N	25	4367	-890	1662	0	-135	-2760	60.1	415.6	57.7	0.0	475.6	1	
1O	25	4367	-1236	-1974	0	222	-752	60.1	264.2	68.6	0.0	324.2	1	
1P	25	4367	-890	-1974	0	222	-2760	60.1	486.2	68.6	0.0	546.3	1	
2	25	-779	-5079	-1164	0	184	-7783	10.7	1011.3	190.0	0.0	1022.1	1	
7	25	-124	-3954	-995	0	127	-6011	1.7	768.2	147.9	0.0	769.9	1	
8	25	-859	-3961	-850	0	149	-6077	11.8	793.8	148.2	0.0	805.6	1	

ASTA NUM. 57 NI 789 NF 786 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2329	471	171	0	212	245	32.0	199.8	17.6	0.0	231.8	1	
1B	0	-2329	911	171	0	212	143	32.0	188.4	34.1	0.0	220.5	1	
1C	0	-2329	471	-177	0	-217	245	32.0	203.9	17.6	0.0	235.9	1	
1D	0	-2329	911	-177	0	-217	143	32.0	192.5	34.1	0.0	224.6	1	
1E	0	1776	471	171	0	212	245	24.4	199.8	17.6	0.0	224.2	1	
1F	0	1776	911	171	0	212	143	24.4	188.4	34.1	0.0	212.9	1	
1G	0	1776	471	-177	0	-217	245	24.4	203.9	17.6	0.0	228.3	1	
1H	0	1776	911	-177	0	-217	143	24.4	192.5	34.1	0.0	217.0	1	
1I	0	-4376	601	465	0	584	221	60.2	500.8	22.5	0.0	561.0	1	
1J	0	-4376	781	465	0	584	167	60.2	494.8	29.2	0.0	555.0	1	
1K	0	-4376	601	-471	0	-590	221	60.2	504.9	22.5	0.0	565.1	1	
1L	0	-4376	781	-471	0	-590	167	60.2	498.9	29.2	0.0	559.1	1	
1M	0	3823	601	465	0	584	221	52.6	500.8	22.5	0.0	553.4	1	
1N	0	3823	781	465	0	584	167	52.6	494.8	29.2	0.0	547.4	1	

1O	0	3823	601	-471	0	-590	221	52.6	504.9	22.5	0.0	557.5	1
1P	0	3823	781	-471	0	-590	167	52.6	498.9	29.2	0.0	551.5	1
2	0	-124	3155	98	0	132	954	1.7	213.5	118.0	0.0	215.2	1
7	0	266	2481	112	0	148	744	3.7	203.1	92.8	0.0	206.8	1
8	0	-282	2477	59	0	81	743	3.9	148.1	92.7	0.0	160.6	4
1A	72	-2328	430	171	0	86	885	32.0	168.4	16.1	0.0	200.4	1
1B	72	-2328	870	171	0	86	467	32.0	122.1	32.5	0.0	154.1	1
1C	72	-2328	430	-177	0	-87	885	32.0	168.9	16.1	0.0	200.9	1
1D	72	-2328	870	-177	0	-87	467	32.0	122.6	32.5	0.0	154.7	1
1E	72	1777	430	171	0	86	885	24.4	168.4	16.1	0.0	192.8	1
1F	72	1777	870	171	0	86	467	24.4	122.1	32.5	0.0	146.5	1
1G	72	1777	430	-177	0	-87	885	24.4	168.9	16.1	0.0	193.4	1
1H	72	1777	870	-177	0	-87	467	24.4	122.6	32.5	0.0	147.1	1
1I	72	-4375	560	465	0	249	767	60.2	287.8	21.0	0.0	348.0	1
1J	72	-4375	740	465	0	249	584	60.2	267.6	27.7	0.0	327.8	1
1K	72	-4375	560	-471	0	-250	767	60.2	288.4	21.0	0.0	348.5	1
1L	72	-4375	740	-471	0	-250	584	60.2	268.1	27.7	0.0	328.3	1
1M	72	3824	560	465	0	249	767	52.6	287.8	21.0	0.0	340.4	1
1N	72	3824	740	465	0	249	584	52.6	267.6	27.7	0.0	320.2	1
1O	72	3824	560	-471	0	-250	767	52.6	288.4	21.0	0.0	341.0	1
1P	72	3824	740	-471	0	-250	584	52.6	268.1	27.7	0.0	320.7	1
2	72	-122	3102	98	0	62	3203	1.7	404.7	116.0	0.0	406.4	1
7	72	268	2428	112	0	67	2509	3.7	332.5	90.8	0.0	336.2	1
8	72	-281	2424	59	0	38	2505	3.9	308.5	90.7	0.0	312.3	1
1A	144	-2327	389	171	0	-39	1495	32.0	197.1	14.6	0.0	229.1	1
1B	144	-2327	829	171	0	-39	761	32.0	115.8	31.0	0.0	147.9	1
1C	144	-2327	389	-177	0	43	1495	32.0	200.1	14.6	0.0	232.1	1
1D	144	-2327	829	-177	0	43	761	32.0	118.9	31.0	0.0	150.9	1
1E	144	1778	389	171	0	-39	1495	24.5	197.1	14.6	0.0	221.5	1
1F	144	1778	829	171	0	-39	761	24.5	115.8	31.0	0.0	140.3	1
1G	144	1778	389	-177	0	43	1495	24.5	200.1	14.6	0.0	224.6	1
1H	144	1778	829	-177	0	43	761	24.5	118.9	31.0	0.0	143.3	1
1I	144	-4373	519	465	0	-86	1284	60.2	212.4	19.4	0.0	272.6	1
1J	144	-4373	699	465	0	-86	972	60.2	178.0	26.1	0.0	238.1	1
1K	144	-4373	519	-471	0	90	1284	60.2	215.5	19.4	0.0	275.6	1
1L	144	-4373	699	-471	0	90	972	60.2	181.0	26.1	0.0	241.2	1
1M	144	3825	519	465	0	-86	1284	52.6	212.4	19.4	0.0	265.1	1
1N	144	3825	699	465	0	-86	972	52.6	178.0	26.1	0.0	230.6	1
1O	144	3825	519	-471	0	90	1284	52.6	215.5	19.4	0.0	268.1	1
1P	144	3825	699	-471	0	90	972	52.6	181.0	26.1	0.0	233.6	1
2	144	-121	3048	98	0	-9	5414	1.7	606.3	114.0	0.0	608.0	1
7	144	269	2375	112	0	-14	4236	3.7	479.7	88.8	0.0	483.4	1
8	144	-280	2370	59	0	-4	4229	3.8	471.2	88.7	0.0	475.0	1

ASTA NUM. 58 NI 786 NF 785 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4146	306	26	0	34	1494	57.0	192.9	11.4	0.0	249.9	1	
1B	0	-4146	706	26	0	34	762	57.0	111.8	26.4	0.0	168.8	1	
1C	0	-4146	306	-20	0	-29	1494	57.0	189.3	11.4	0.0	246.4	1	
1D	0	-4146	706	-20	0	-29	762	57.0	108.3	26.4	0.0	165.3	1	
1E	0	2660	306	26	0	34	1494	36.6	192.9	11.4	0.0	229.5	1	
1F	0	2660	706	26	0	34	762	36.6	111.8	26.4	0.0	148.4	1	
1G	0	2660	306	-20	0	-29	1494	36.6	189.3	11.4	0.0	225.9	1	
1H	0	2660	706	-20	0	-29	762	36.6	108.3	26.4	0.0	144.9	1	
1I	0	-4684	436	51	0	69	1284	64.4	198.0	16.3	0.0	262.5	1	
1J	0	-4684	576	51	0	69	972	64.4	163.6	21.6	0.0	228.0	1	
1K	0	-4684	436	-45	0	-64	1284	64.4	194.5	16.3	0.0	258.9	1	
1L	0	-4684	576	-45	0	-64	972	64.4	160.0	21.6	0.0	224.4	1	
1M	0	3200	436	51	0	69	1284	44.0	198.0	16.3	0.0	242.0	1	
1N	0	3200	576	51	0	69	972	44.0	163.6	21.6	0.0	207.6	1	
1O	0	3200	436	-45	0	-64	1284	44.0	194.5	16.3	0.0	238.5	1	
1P	0	3200	576	-45	0	-64	972	44.0	160.0	21.6	0.0	204.0	1	
2	0	-2391	2279	3	0	-2	5410	32.9	600.5	85.2	0.0	633.4	1	
7	0	-1577	1797	-1	0	-7	4232	21.7	473.7	67.2	0.0	495.4	1	
8	0	-2036	1793	4	0	0	4225	28.0	467.6	67.1	0.0	495.6	1	
1A	72	-4144	265	26	0	3	1987	57.0	222.4	9.9	0.0	279.4	1	
1B	72	-4144	665	26	0	3	967	57.0	109.5	24.9	0.0	166.5	1	
1C	72	-4144	265	-20	0	-3	1987	57.0	222.2	9.9	0.0	279.3	1	
1D	72	-4144	665	-20	0	-3	967	57.0	109.4	24.9	0.0	166.4	1	
1E	72	2662	265	26	0	3	1987	36.6	222.4	9.9	0.0	259.0	1	
1F	72	2662	665	26	0	3	967	36.6	109.5	24.9	0.0	146.1	1	
1G	72	2662	265	-20	0	-3	1987	36.6	222.2	9.9	0.0	258.9	1	
1H	72	2662	665	-20	0	-3	967	36.6	109.4	24.9	0.0	146.0	1	
1I	72	-4684	395	51	0	28	1683	64.4	209.3	14.8	0.0	273.7	1	
1J	72	-4684	535	51	0	28	1271	64.4	163.7	20.0	0.0	228.1	1	
1K	72	-4684	395	-45	0	-28	1683	64.4	209.1	14.8	0.0	273.5	1	
1L	72	-4684	535	-45	0	-28	1271	64.4	163.6	20.0	0.0	228.0	1	
1M	72	3200	395	51	0	28	1683	44.0	209.3	14.8	0.0	253.3	1	
1N	72	3200	535	51	0	28	1271	44.0	163.7	20.0	0.0	207.7	1	
1O	72	3200	395	-45	0	-28	1683	44.0	209.1	14.8	0.0	253.1	1	
1P	72	3200	535	-45	0	-28	1271	44.0	163.6	20.0	0.0	207.6	1	
2	72	-2390	2226	3	0	-4	7030	32.9	781.3	83.3	0.0	814.1	1	
7	72	-1576	1744	-1	0	-6	5505	21.7	613.9	65.2	0.0	635.6	1	
8	72	-2034	1740	4	0	-2	5495	28.0	609.9	65.1	0.0	637.9	1	
1A	144	-4144	224	26	0	-28	2450	57.0	293.5	8.4	0.0	350.5	1	

1B	144	-4144	624	26	0	-28	1142	57.0	148.8	23.4	0.0	205.8	1
1C	144	-4144	224	-20	0	24	2450	57.0	290.2	8.4	0.0	347.2	1
1D	144	-4144	624	-20	0	24	1142	57.0	145.5	23.4	0.0	202.5	1
1E	144	2662	224	26	0	-28	2450	36.6	293.5	8.4	0.0	330.1	1
1F	144	2662	624	26	0	-28	1142	36.6	148.8	23.4	0.0	185.4	1
1G	144	2662	224	-20	0	24	2450	36.6	290.2	8.4	0.0	326.8	1
1H	144	2662	624	-20	0	24	1142	36.6	145.5	23.4	0.0	182.1	1
1I	144	-4682	354	51	0	-12	2052	64.4	236.8	13.2	0.0	301.2	1
1J	144	-4682	494	51	0	-12	1540	64.4	180.2	18.5	0.0	244.6	1
1K	144	-4682	354	-45	0	8	2052	64.4	233.5	13.2	0.0	297.9	1
1L	144	-4682	494	-45	0	8	1540	64.4	176.9	18.5	0.0	241.3	1
1M	144	3202	354	51	0	-12	2052	44.0	236.8	13.2	0.0	280.8	1
1N	144	3202	494	51	0	-12	1540	44.0	180.2	18.5	0.0	224.2	1
1O	144	3202	354	-45	0	8	2052	44.0	233.5	13.2	0.0	277.6	1
1P	144	3202	494	-45	0	8	1540	44.0	176.9	18.5	0.0	220.9	1
2	144	-2388	2173	3	0	-6	8611	32.8	957.8	81.3	0.0	990.6	1
7	144	-1574	1690	-1	0	-5	6740	21.7	749.9	63.2	0.0	771.5	1
8	144	-2033	1686	4	0	-5	6726	28.0	748.4	63.1	0.0	776.3	1

ASTA NUM. 59 NI 785 NF 784 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5400	158	14	0	28	2449	74.3	293.8	5.9	0.0	368.1	1	
1B	0	-5400	507	14	0	28	1143	74.3	149.3	19.0	0.0	223.6	1	
1C	0	-5400	158	-9	0	-31	2449	74.3	296.6	5.9	0.0	370.8	1	
1D	0	-5400	507	-9	0	-31	1143	74.3	152.0	19.0	0.0	226.3	1	
1E	0	2980	158	14	0	28	2449	41.0	293.8	5.9	0.0	334.8	1	
1F	0	2980	507	14	0	28	1143	41.0	149.3	19.0	0.0	190.3	1	
1G	0	2980	158	-9	0	-31	2449	41.0	296.6	5.9	0.0	337.5	1	
1H	0	2980	507	-9	0	-31	1143	41.0	152.0	19.0	0.0	193.0	1	
1I	0	-4293	272	25	0	27	2052	59.1	249.2	10.2	0.0	308.3	1	
1J	0	-4293	392	25	0	27	1540	59.1	192.6	14.7	0.0	251.7	1	
1K	0	-4293	272	-21	0	-31	2052	59.1	252.0	10.2	0.0	311.0	1	
1L	0	-4293	392	-21	0	-31	1540	59.1	195.4	14.7	0.0	254.4	1	
1M	0	1873	272	25	0	27	2052	25.8	249.2	10.2	0.0	275.0	1	
1N	0	1873	392	25	0	27	1540	25.8	192.6	14.7	0.0	218.4	1	
1O	0	1873	272	-21	0	-31	2052	25.8	252.0	10.2	0.0	277.7	1	
1P	0	1873	392	-21	0	-31	1540	25.8	195.4	14.7	0.0	221.1	1	
2	0	-4880	1454	15	0	0	8608	67.1	952.4	54.4	0.0	1019.6	1	
7	0	-3632	1152	13	0	1	6738	50.0	746.6	43.1	0.0	796.5	1	
8	0	-3934	1148	11	0	-1	6724	54.1	744.7	42.9	0.0	798.8	1	
1A	72	-5399	117	14	0	21	2795	74.3	326.6	4.4	0.0	400.9	1	
1B	72	-5399	466	14	0	21	1245	74.3	155.2	17.4	0.0	229.4	1	
1C	72	-5399	117	-9	0	-28	2795	74.3	331.8	4.4	0.0	406.1	1	
1D	72	-5399	466	-9	0	-28	1245	74.3	160.4	17.4	0.0	234.6	1	
1E	72	2981	117	14	0	21	2795	41.0	326.6	4.4	0.0	367.6	1	
1F	72	2981	466	14	0	21	1245	41.0	155.2	17.4	0.0	196.2	1	
1G	72	2981	117	-9	0	-28	2795	41.0	331.8	4.4	0.0	372.8	1	
1H	72	2981	466	-9	0	-28	1245	41.0	160.4	17.4	0.0	201.4	1	
1I	72	-4292	231	25	0	4	2309	59.0	258.9	8.6	0.0	318.0	1	
1J	72	-4292	351	25	0	4	1732	59.0	195.1	13.1	0.0	254.2	1	
1K	72	-4292	231	-21	0	-11	2309	59.0	264.1	8.6	0.0	323.1	1	
1L	72	-4292	351	-21	0	-11	1732	59.0	200.3	13.1	0.0	259.3	1	
1M	72	1874	231	25	0	4	2309	25.8	258.9	8.6	0.0	284.7	1	
1N	72	1874	351	25	0	4	1732	25.8	195.1	13.1	0.0	220.9	1	
1O	72	1874	231	-21	0	-11	2309	25.8	264.1	8.6	0.0	289.9	1	
1P	72	1874	351	-21	0	-11	1732	25.8	200.3	13.1	0.0	226.1	1	
2	72	-4878	1400	15	0	-11	9633	67.1	1074.4	52.4	0.0	1141.5	1	
7	72	-3630	1098	13	0	-8	7547	49.9	841.6	41.1	0.0	891.5	1	
8	72	-3932	1094	11	0	-9	7530	54.1	840.3	40.9	0.0	894.4	1	
1A	144	-5398	76	14	0	15	3111	74.3	356.2	2.8	0.0	430.4	1	
1B	144	-5398	425	14	0	15	1319	74.3	157.8	15.9	0.0	232.1	1	
1C	144	-5398	76	-9	0	-24	3111	74.3	363.8	2.8	0.0	438.1	1	
1D	144	-5398	425	-9	0	-24	1319	74.3	165.5	15.9	0.0	239.7	1	
1E	144	2982	76	14	0	15	3111	41.0	356.2	2.8	0.0	397.2	1	
1F	144	2982	425	14	0	15	1319	41.0	157.8	15.9	0.0	198.8	1	
1G	144	2982	76	-9	0	-24	3111	41.0	363.8	2.8	0.0	404.8	1	
1H	144	2982	425	-9	0	-24	1319	41.0	165.5	15.9	0.0	206.5	1	
1I	144	-4291	190	25	0	-19	2536	59.0	295.8	7.1	0.0	354.8	1	
1J	144	-4291	310	25	0	-19	1894	59.0	224.8	11.6	0.0	283.8	1	
1K	144	-4291	190	-21	0	9	2536	59.0	288.1	7.1	0.0	347.2	1	
1L	144	-4291	310	-21	0	9	1894	59.0	217.1	11.6	0.0	276.2	1	
1M	144	1875	190	25	0	-19	2536	25.8	295.8	7.1	0.0	321.6	1	
1N	144	1875	310	25	0	-19	1894	25.8	224.8	11.6	0.0	250.6	1	
1O	144	1875	190	-21	0	9	2536	25.8	288.1	7.1	0.0	313.9	1	
1P	144	1875	310	-21	0	9	1894	25.8	217.1	11.6	0.0	242.9	1	
2	144	-4877	1347	15	0	-21	10620	67.1	1192.4	50.4	0.0	1259.4	1	
7	144	-3629	1045	13	0	-18	8317	49.9	934.6	39.1	0.0	984.5	1	
8	144	-3931	1041	11	0	-17	8298	54.1	931.6	38.9	0.0	985.7	1	

ASTA NUM. 60 NI 784 NF 788 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq					
1A	0	-6204	15	18	0	15	3110	85.3	355.9	0.6	0.0	441.2	1
1B	0	-6204	312	18	0	15	1318	85.3	157.7	11.7	0.0	243.0	1
1C	0	-6204	15	-22	0	-23	3110	85.3	363.2	0.8	0.0	448.5	1
1D	0	-6204	312	-22	0	-23	1318	85.3	164.9	11.7	0.0	250.3	1
1E	0	2958	15	18	0	15	3110	40.7	355.9	0.6	0.0	396.6	1
1F	0	2958	312	18	0	15	1318	40.7	157.7	11.7	0.0	198.4	1
1G	0	2958	15	-22	0	-23	3110	40.7	363.2	0.8	0.0	403.9	1
1H	0	2958	312	-22	0	-23	1318	40.7	164.9	11.7	0.0	205.6	1
1I	0	-3850	100	17	0	11	2535	53.0	289.5	3.7	0.0	342.4	1
1J	0	-3850	227	17	0	11	1893	53.0	218.5	8.5	0.0	271.5	1
1K	0	-3850	100	-21	0	-20	2535	53.0	296.8	3.7	0.0	349.7	1
1L	0	-3850	227	-21	0	-20	1893	53.0	225.8	8.5	0.0	278.8	1
1M	0	604	100	17	0	11	2535	8.3	289.5	3.7	0.0	297.8	1
1N	0	604	227	17	0	11	1893	8.3	218.5	8.5	0.0	226.9	1
1O	0	604	100	-21	0	-20	2535	8.3	296.8	3.7	0.0	305.1	1
1P	0	604	227	-21	0	-20	1893	8.3	225.8	8.5	0.0	234.1	1
2	0	-7143	651	-1	0	-15	10620	98.3	1187.4	24.3	0.0	1285.7	1
7	0	-5490	523	-0	0	-11	8316	75.5	929.3	19.6	0.0	1004.9	1
8	0	-5656	520	-2	0	-13	8297	77.8	928.2	19.4	0.0	1006.0	1
1A	72	-6203	-26	18	0	26	3309	85.3	387.6	1.0	0.0	472.9	1
1B	72	-6203	271	18	0	26	1326	85.3	168.2	10.1	0.0	253.5	1
1C	72	-6203	-26	-22	0	-32	3309	85.3	392.5	1.0	0.0	477.8	1
1D	72	-6203	271	-22	0	-32	1326	85.3	173.1	10.1	0.0	258.4	1
1E	72	2959	-26	18	0	26	3309	40.7	387.6	1.0	0.0	428.3	1
1F	72	2959	271	18	0	26	1326	40.7	168.2	10.1	0.0	208.9	1
1G	72	2959	-26	-22	0	-32	3309	40.7	392.5	1.0	0.0	433.2	1
1H	72	2959	271	-22	0	-32	1326	40.7	173.1	10.1	0.0	213.8	1
1I	72	-3849	59	17	0	-5	2656	52.9	298.2	2.2	0.0	351.1	1
1J	72	-3849	186	17	0	-5	1978	52.9	223.2	7.0	0.0	276.2	1
1K	72	-3849	59	-21	0	-1	2656	52.9	294.4	2.2	0.0	347.4	1
1L	72	-3849	186	-21	0	-1	1978	52.9	219.5	7.0	0.0	272.4	1
1M	72	605	59	17	0	-5	2656	8.3	298.2	2.2	0.0	306.5	1
1N	72	605	186	17	0	-5	1978	8.3	223.2	7.0	0.0	231.6	1
1O	72	605	59	-21	0	-1	2656	8.3	294.4	2.2	0.0	302.7	1
1P	72	605	186	-21	0	-1	1978	8.3	219.5	7.0	0.0	227.8	1
2	72	-7142	598	-1	0	-14	11069	98.2	1236.4	22.3	0.0	1334.6	1
7	72	-5489	470	-0	0	-11	8673	75.5	968.8	17.6	0.0	1044.3	1
8	72	-5655	467	-2	0	-11	8652	77.8	966.4	17.5	0.0	1044.2	1
1A	144	-6202	-67	18	0	38	3478	85.3	416.0	2.5	0.0	501.3	1
1B	144	-6202	230	18	0	38	1304	85.3	175.4	8.6	0.0	260.7	1
1C	144	-6202	-67	-22	0	-41	3478	85.3	418.6	2.5	0.0	503.9	1
1D	144	-6202	230	-22	0	-41	1304	85.3	178.0	8.6	0.0	263.3	1
1E	144	2960	-67	18	0	38	3478	40.7	416.0	2.5	0.0	456.7	1
1F	144	2960	230	18	0	38	1304	40.7	175.4	8.6	0.0	216.1	1
1G	144	2960	-67	-22	0	-41	3478	40.7	418.6	2.5	0.0	459.3	1
1H	144	2960	230	-22	0	-41	1304	40.7	178.0	8.6	0.0	218.7	1
1I	144	-3848	18	17	0	-22	2748	52.9	321.8	0.7	0.0	374.7	1
1J	144	-3848	145	17	0	-22	2034	52.9	242.8	5.4	0.0	295.8	1
1K	144	-3848	18	-21	0	19	2748	52.9	319.2	0.7	0.0	372.2	1
1L	144	-3848	145	-21	0	19	2034	52.9	240.2	5.4	0.0	293.2	1
1M	144	606	18	17	0	-22	2748	8.3	321.8	0.7	0.0	330.1	1
1N	144	606	145	17	0	-22	2034	8.3	242.8	5.4	0.0	251.2	1
1O	144	606	18	-21	0	19	2748	8.3	319.2	0.7	0.0	327.6	1
1P	144	606	145	-21	0	19	2034	8.3	240.2	5.4	0.0	248.6	1
2	144	-7140	544	-1	0	-14	11480	98.2	1281.2	20.4	0.0	1379.4	1
7	144	-5488	417	-0	0	-11	8992	75.5	1004.0	15.6	0.0	1079.5	1
8	144	-5654	413	-2	0	-10	8968	77.8	1000.3	15.5	0.0	1078.1	1

ASTA NUM. 61 NI 788 NF 732 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6424	-131	20	0	39	3477	88.4	416.4	4.9	0.0	504.7	1	
1B	0	-6424	124	20	0	39	1303	88.4	175.8	4.7	0.0	264.2	1	
1C	0	-6424	-131	-20	0	-42	3477	88.4	418.8	4.9	0.0	507.1	1	
1D	0	-6424	124	-20	0	-42	1303	88.4	178.2	4.7	0.0	266.6	1	
1E	0	2778	-131	20	0	39	3477	38.2	416.4	4.9	0.0	454.6	1	
1F	0	2778	124	20	0	39	1303	38.2	175.8	4.7	0.0	214.1	1	
1G	0	2778	-131	-20	0	-42	3477	38.2	418.8	4.9	0.0	457.0	1	
1H	0	2778	124	-20	0	-42	1303	38.2	178.2	4.7	0.0	216.4	1	
1I	0	-3368	-56	20	0	21	2747	46.3	320.6	2.1	0.0	366.9	1	
1J	0	-3368	50	20	0	21	2033	46.3	241.7	1.9	0.0	288.0	1	
1K	0	-3368	-56	-20	0	-23	2747	46.3	323.0	2.1	0.0	369.3	1	
1L	0	-3368	50	-20	0	-23	2033	46.3	244.1	1.9	0.0	290.4	1	
1M	0	-278	-56	20	0	21	2747	3.8	320.6	2.1	0.0	324.5	1	
1N	0	-278	50	20	0	21	2033	3.8	241.7	1.9	0.0	245.5	1	
1O	0	-278	-56	-20	0	-23	2747	3.8	323.0	2.1	0.0	326.8	1	
1P	0	-278	50	-20	0	-23	2033	3.8	244.1	1.9	0.0	247.9	1	
2	0	-8400	-151	4	0	-8	11480	115.5	1276.6	5.6	0.0	1392.2	1	
7	0	-6563	-105	5	0	-5	8992	90.3	999.2	3.9	0.0	1089.5	1	
8	0	-6591	-106	3	0	-6	8968	90.7	997.4	4.0	0.0	1088.0	1	
1A	37	-6423	-152	20	0	43	3512	88.4	423.5	5.7	0.0	511.9	1	
1B	37	-6423	103	20	0	43	1258	88.4	174.2	3.9	0.0	262.5	1	
1C	37	-6423	-152	-20	0	-46	3512	88.4	425.9	5.7	0.0	514.3	1	
1D	37	-6423	103	-20	0	-46	1258	88.4	176.6	3.9	0.0	264.9	1	

1E	37	2779	-152	20	0	43	3512	38.2	423.5	5.7	0.0	461.8	1
1F	37	2779	103	20	0	43	1258	38.2	174.2	3.9	0.0	212.4	1
1G	37	2779	-152	-20	0	-46	3512	38.2	425.9	5.7	0.0	464.1	1
1H	37	2779	103	-20	0	-46	1258	38.2	176.6	3.9	0.0	214.8	1
1I	37	-3366	-78	20	0	18	2752	46.3	318.7	2.9	0.0	365.0	1
1J	37	-3366	29	20	0	18	2018	46.3	237.6	1.1	0.0	283.9	1
1K	37	-3366	-78	-20	0	-20	2752	46.3	321.1	2.9	0.0	367.4	1
1L	37	-3366	29	-20	0	-20	2018	46.3	239.9	1.1	0.0	286.2	1
1M	37	-277	-78	20	0	18	2752	3.8	318.7	2.9	0.0	322.6	1
1N	37	-277	29	20	0	18	2018	3.8	237.6	1.1	0.0	241.4	1
1O	37	-277	-78	-20	0	-20	2752	3.8	321.1	2.9	0.0	324.9	1
1P	37	-277	29	-20	0	-20	2018	3.8	239.9	1.1	0.0	243.8	1
2	37	-8400	-178	4	0	-10	11420	115.5	1271.3	6.7	0.0	1386.9	1
7	37	-6562	-133	5	0	-7	8947	90.3	995.6	5.0	0.0	1085.9	1
8	37	-6590	-134	3	0	-7	8923	90.7	993.2	5.0	0.0	1083.9	1
1A	75	-6422	-173	20	0	47	3539	88.3	429.8	6.5	0.0	518.1	1
1B	75	-6422	82	20	0	47	1205	88.3	171.6	3.1	0.0	259.9	1
1C	75	-6422	-173	-20	0	-50	3539	88.3	432.2	6.5	0.0	520.5	1
1D	75	-6422	82	-20	0	-50	1205	88.3	174.0	3.1	0.0	262.3	1
1E	75	2780	-173	20	0	47	3539	38.2	429.8	6.5	0.0	468.0	1
1F	75	2780	82	20	0	47	1205	38.2	171.6	3.1	0.0	209.8	1
1G	75	2780	-173	-20	0	-50	3539	38.2	432.2	6.5	0.0	470.4	1
1H	75	2780	82	-20	0	-50	1205	38.2	174.0	3.1	0.0	212.2	1
1I	75	-3366	-99	20	0	15	2749	46.3	316.0	3.7	0.0	362.3	1
1J	75	-3366	7	20	0	15	1995	46.3	232.5	0.7	0.0	278.8	1
1K	75	-3366	-99	-20	0	-17	2749	46.3	318.4	3.7	0.0	364.6	1
1L	75	-3366	7	-20	0	-17	1995	46.3	234.9	0.7	0.0	281.2	1
1M	75	-276	-99	20	0	15	2749	3.8	316.0	3.7	0.0	319.8	1
1N	75	-276	7	20	0	15	1995	3.8	232.5	0.7	0.0	236.3	1
1O	75	-276	-99	-20	0	-17	2749	3.8	318.4	3.7	0.0	322.2	1
1P	75	-276	7	-20	0	-17	1995	3.8	234.9	0.7	0.0	238.7	1
2	75	-8399	-206	4	0	-11	11350	115.5	1264.9	7.7	0.0	1380.4	1
7	75	-6562	-161	5	0	-9	8892	90.3	990.9	6.0	0.0	1081.2	1
8	75	-6590	-161	3	0	-8	8867	90.6	987.9	6.0	0.0	1078.5	1

ASTA NUM. 62 NI 787 NF 783 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6203	-226	23	0	39	3480	85.3	416.8	8.5	0.0	502.1	1	
1B	0	-6203	63	23	0	39	1302	85.3	175.8	2.4	0.0	261.1	1	
1C	0	-6203	-226	-18	0	-42	3480	85.3	419.1	8.5	0.0	504.4	1	
1D	0	-6203	63	-18	0	-42	1302	85.3	178.1	2.4	0.0	263.5	1	
1E	0	2939	-226	23	0	39	3480	40.4	416.8	8.5	0.0	457.2	1	
1F	0	2939	63	23	0	39	1302	40.4	175.8	2.4	0.0	216.2	1	
1G	0	2939	-226	-18	0	-42	3480	40.4	419.1	8.5	0.0	459.5	1	
1H	0	2939	63	-18	0	-42	1302	40.4	178.1	2.4	0.0	218.6	1	
1I	0	-4093	-148	20	0	17	2742	56.3	317.4	5.5	0.0	373.7	1	
1J	0	-4093	-15	20	0	17	2040	56.3	239.8	0.7	0.0	296.1	1	
1K	0	-4093	-148	-16	0	-20	2742	56.3	319.7	5.5	0.0	376.0	1	
1L	0	-4093	-15	-16	0	-20	2040	56.3	242.1	0.6	0.0	298.4	1	
1M	0	829	-148	20	0	17	2742	11.4	317.4	5.5	0.0	328.8	1	
1N	0	829	-15	20	0	17	2040	11.4	239.8	0.7	0.0	251.2	1	
1O	0	829	-148	-16	0	-20	2742	11.4	319.7	5.5	0.0	331.1	1	
1P	0	829	-15	-16	0	-20	2040	11.4	242.1	0.6	0.0	253.5	1	
2	0	-7780	-529	8	0	-9	11490	107.0	1278.9	19.8	0.0	1385.9	1	
7	0	-6172	-402	8	0	-7	8999	84.9	1001.1	15.1	0.0	1086.0	1	
8	0	-6059	-401	6	0	-7	8975	83.3	998.9	15.0	0.0	1082.3	1	
1A	72	-6204	-268	23	0	27	3313	85.3	388.5	10.0	0.0	473.8	1	
1B	72	-6204	22	23	0	27	1321	85.3	168.1	0.8	0.0	253.5	1	
1C	72	-6204	-268	-18	0	-33	3313	85.3	393.3	10.0	0.0	478.6	1	
1D	72	-6204	22	-18	0	-33	1321	85.3	172.9	0.8	0.0	258.3	1	
1E	72	2938	-268	23	0	27	3313	40.4	388.5	10.0	0.0	428.9	1	
1F	72	2938	22	23	0	27	1321	40.4	168.1	0.8	0.0	208.5	1	
1G	72	2938	-268	-18	0	-33	3313	40.4	393.3	10.0	0.0	433.7	1	
1H	72	2938	22	-18	0	-33	1321	40.4	172.9	0.8	0.0	213.4	1	
1I	72	-4094	-189	20	0	-2	2647	56.3	294.5	7.1	0.0	350.8	1	
1J	72	-4094	-56	20	0	-2	1987	56.3	221.4	2.1	0.0	277.8	1	
1K	72	-4094	-189	-16	0	-4	2647	56.3	296.1	7.1	0.0	352.4	1	
1L	72	-4094	-56	-16	0	-4	1987	56.3	223.0	2.1	0.0	279.3	1	
1M	72	828	-189	20	0	-2	2647	11.4	294.5	7.1	0.0	305.9	1	
1N	72	828	-56	20	0	-2	1987	11.4	221.4	2.1	0.0	232.8	1	
1O	72	828	-189	-16	0	-4	2647	11.4	296.1	7.1	0.0	307.5	1	
1P	72	828	-56	-16	0	-4	1987	11.4	223.0	2.1	0.0	234.4	1	
2	72	-7781	-582	8	0	-15	11089	107.0	1239.3	21.8	0.0	1346.3	1	
7	72	-6174	-456	8	0	-12	8690	84.9	971.4	17.0	0.0	1056.3	1	
8	72	-6060	-455	6	0	-12	8667	83.4	968.5	17.0	0.0	1051.9	1	
1A	144	-6205	-309	23	0	15	3117	85.4	356.9	11.5	0.0	442.2	1	
1B	144	-6205	-19	23	0	15	1311	85.4	157.2	0.8	0.0	242.5	1	
1C	144	-6205	-309	-18	0	-24	3117	85.4	364.2	11.5	0.0	449.6	1	
1D	144	-6205	-19	-18	0	-24	1311	85.4	164.5	0.7	0.0	249.9	1	
1E	144	2937	-309	23	0	15	3117	40.4	356.9	11.5	0.0	397.3	1	
1F	144	2937	-19	23	0	15	1311	40.4	157.2	0.8	0.0	197.6	1	
1G	144	2937	-309	-18	0	-24	3117	40.4	364.2	11.5	0.0	404.6	1	
1H	144	2937	-19	-18	0	-24	1311	40.4	164.5	0.7	0.0	204.9	1	
1I	144	-4095	-230	20	0	-21	2523	56.3	296.5	8.6	0.0	352.8	1	
1J	144	-4095	-97	20	0	-21	1905	56.3	228.0	3.6	0.0	284.3	1	
1K	144	-4095	-230	-16	0	12	2523	56.3	289.1	8.6	0.0	345.5	1	

1L	144	-4095	-97	-16	0	12	1905	56.3	220.7	3.6	0.0	277.0	1
1M	144	827	-230	20	0	-21	2523	11.4	296.5	8.6	0.0	307.9	1
1N	144	827	-97	20	0	-21	1905	11.4	228.0	3.6	0.0	239.4	1
1O	144	827	-230	-16	0	12	2523	11.4	289.1	8.6	0.0	300.5	1
1P	144	827	-97	-16	0	12	1905	11.4	220.7	3.6	0.0	232.0	1
2	144	-7782	-635	8	0	-21	10650	107.0	1195.4	23.8	0.0	1302.5	1
7	144	-6175	-509	8	0	-18	8343	84.9	937.4	19.0	0.0	1022.3	1
8	144	-6062	-508	6	0	-16	8321	83.4	933.9	19.0	0.0	1017.3	1

ASTA NUM. 63 NI 783 NF 782 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5296	-424	8	0	16	3118	72.8	358.3	15.8	0.0	431.1	1	
1B	0	-5296	-76	8	0	16	1312	72.8	158.5	2.9	0.0	231.3	1	
1C	0	-5296	-424	-12	0	-25	3118	72.8	365.7	15.8	0.0	438.5	1	
1D	0	-5296	-76	-12	0	-25	1312	72.8	165.9	2.9	0.0	238.7	1	
1E	0	2834	-424	8	0	16	3118	39.0	358.3	15.8	0.0	397.2	1	
1F	0	2834	-76	8	0	16	1312	39.0	158.5	2.9	0.0	197.4	1	
1G	0	2834	-424	-12	0	-25	3118	39.0	365.7	15.8	0.0	404.7	1	
1H	0	2834	-76	-12	0	-25	1312	39.0	165.9	2.9	0.0	204.9	1	
1I	0	-4482	-313	21	0	9	2525	61.6	286.5	11.7	0.0	348.1	1	
1J	0	-4482	-187	21	0	9	1905	61.6	217.9	7.0	0.0	279.6	1	
1K	0	-4482	-313	-25	0	-18	2525	61.6	293.9	11.7	0.0	355.5	1	
1L	0	-4482	-187	-25	0	-18	1905	61.6	225.4	7.0	0.0	287.0	1	
1M	0	2020	-313	21	0	9	2525	27.8	286.5	11.7	0.0	314.2	1	
1N	0	2020	-187	21	0	9	1905	27.8	217.9	7.0	0.0	245.7	1	
1O	0	2020	-313	-25	0	-18	2525	27.8	293.9	11.7	0.0	321.7	1	
1P	0	2020	-187	-25	0	-18	1905	27.8	225.4	7.0	0.0	253.1	1	
2	0	-6162	-1341	-4	0	-17	10650	84.8	1191.8	50.2	0.0	1276.5	1	
7	0	-5003	-1039	-2	0	-13	8344	68.8	933.4	38.9	0.0	1002.2	1	
8	0	-4747	-1036	-4	0	-14	8322	65.3	931.7	38.8	0.0	997.0	1	
1A	72	-5297	-465	8	0	22	2804	72.9	328.1	17.4	0.0	400.9	1	
1B	72	-5297	-118	8	0	22	1237	72.9	154.7	4.4	0.0	227.6	1	
1C	72	-5297	-465	-12	0	-28	2804	72.9	333.1	17.4	0.0	406.0	1	
1D	72	-5297	-118	-12	0	-28	1237	72.9	159.8	4.4	0.0	232.6	1	
1E	72	2833	-465	8	0	22	2804	39.0	328.1	17.4	0.0	367.0	1	
1F	72	2833	-118	8	0	22	1237	39.0	154.7	4.4	0.0	193.7	1	
1G	72	2833	-465	-12	0	-28	2804	39.0	333.1	17.4	0.0	372.1	1	
1H	72	2833	-118	-12	0	-28	1237	39.0	159.8	4.4	0.0	198.7	1	
1I	72	-4482	-354	21	0	-12	2300	61.7	263.9	13.2	0.0	325.5	1	
1J	72	-4482	-228	21	0	-12	1741	61.7	202.1	8.5	0.0	263.7	1	
1K	72	-4482	-354	-25	0	5	2300	61.7	258.9	13.2	0.0	320.5	1	
1L	72	-4482	-228	-25	0	5	1741	61.7	197.0	8.5	0.0	258.7	1	
1M	72	2018	-354	21	0	-12	2300	27.8	263.9	13.2	0.0	291.7	1	
1N	72	2018	-228	21	0	-12	1741	27.8	202.1	8.5	0.0	229.8	1	
1O	72	2018	-354	-25	0	5	2300	27.8	258.9	13.2	0.0	286.6	1	
1P	72	2018	-228	-25	0	5	1741	27.8	197.0	8.5	0.0	224.8	1	
2	72	-6163	-1394	-4	0	-14	9668	84.8	1080.7	52.1	0.0	1165.5	1	
7	72	-5004	-1092	-2	0	-11	7578	68.8	847.7	40.8	0.0	916.5	1	
8	72	-4748	-1089	-4	0	-11	7558	65.3	844.8	40.7	0.0	910.2	1	
1A	144	-5298	-506	8	0	28	2460	72.9	294.6	18.9	0.0	367.5	1	
1B	144	-5298	-159	8	0	28	1132	72.9	147.8	5.9	0.0	220.6	1	
1C	144	-5298	-506	-12	0	-31	2460	72.9	297.3	18.9	0.0	370.1	1	
1D	144	-5298	-159	-12	0	-31	1132	72.9	150.4	5.9	0.0	223.3	1	
1E	144	2832	-506	8	0	28	2460	38.9	294.6	18.9	0.0	333.6	1	
1F	144	2832	-159	8	0	28	1132	38.9	147.8	5.9	0.0	186.7	1	
1G	144	2832	-506	-12	0	-31	2460	38.9	297.3	18.9	0.0	336.2	1	
1H	144	2832	-159	-12	0	-31	1132	38.9	150.4	5.9	0.0	189.4	1	
1I	144	-4484	-395	21	0	-32	2045	61.7	252.3	14.8	0.0	314.0	1	
1J	144	-4484	-269	21	0	-32	1547	61.7	197.2	10.1	0.0	258.9	1	
1K	144	-4484	-395	-25	0	29	2045	61.7	249.7	14.8	0.0	311.4	1	
1L	144	-4484	-269	-25	0	29	1547	61.7	194.6	10.1	0.0	256.3	1	
1M	144	2018	-395	21	0	-32	2045	27.8	252.3	14.8	0.0	280.1	1	
1N	144	2018	-269	21	0	-32	1547	27.8	197.2	10.1	0.0	225.0	1	
1O	144	2018	-395	-25	0	29	2045	27.8	249.7	14.8	0.0	277.5	1	
1P	144	2018	-269	-25	0	29	1547	27.8	194.6	10.1	0.0	222.3	1	
2	144	-6164	-1447	-4	0	-11	8648	84.8	965.5	54.1	0.0	1050.3	1	
7	144	-5006	-1145	-2	0	-10	6774	68.9	757.8	42.8	0.0	826.6	1	
8	144	-4749	-1142	-4	0	-8	6756	65.3	753.7	42.7	0.0	819.0	1	

ASTA NUM. 64 NI 782 NF 781 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3889	-625	16	0	25	2460	53.5	292.8	23.4	0.0	346.3	1	
1B	0	-3889	-223	16	0	25	1132	53.5	145.8	8.3	0.0	199.3	1	
1C	0	-3889	-625	-22	0	-29	2460	53.5	295.7	23.4	0.0	349.2	1	
1D	0	-3889	-223	-22	0	-29	1132	53.5	148.7	8.3	0.0	202.2	1	
1E	0	2318	-625	16	0	25	2460	31.9	292.8	23.4	0.0	324.7	1	
1F	0	2318	-223	16	0	25	1132	31.9	145.8	8.3	0.0	177.7	1	
1G	0	2318	-625	-22	0	-29	2460	31.9	295.7	23.4	0.0	327.6	1	

1H	0	2318	-223	-22	0	-29	1132	31.9	148.7	8.3	0.0	180.6	1
1I	0	-4785	-492	44	0	11	2045	65.8	234.9	18.4	0.0	300.7	1
1J	0	-4785	-356	44	0	11	1547	65.8	179.7	13.3	0.0	245.5	1
1K	0	-4785	-492	-50	0	-14	2045	65.8	237.8	18.4	0.0	303.6	1
1L	0	-4785	-356	-50	0	-14	1547	65.8	182.6	13.3	0.0	248.4	1
1M	0	3214	-492	44	0	11	2045	44.2	234.9	18.4	0.0	279.1	1
1N	0	3214	-356	44	0	11	1547	44.2	179.7	13.3	0.0	223.9	1
1O	0	3214	-492	-50	0	-14	2045	44.2	237.8	18.4	0.0	282.0	1
1P	0	3214	-356	-50	0	-14	1547	44.2	182.6	13.3	0.0	226.8	1
2	0	-4426	-2178	-24	0	-7	8651	60.9	962.5	81.5	0.0	1023.4	1
7	0	-3751	-1695	-22	0	-6	6776	51.6	754.2	63.4	0.0	805.8	1
8	0	-3331	-1690	-17	0	-5	6758	45.8	752.0	63.2	0.0	797.8	1
1A	72	-3890	-666	16	0	33	1997	53.5	247.9	24.9	0.0	301.4	1
1B	72	-3890	-264	16	0	33	957	53.5	132.8	9.9	0.0	186.4	1
1C	72	-3890	-666	-22	0	-32	1997	53.5	247.1	24.9	0.0	300.6	1
1D	72	-3890	-264	-22	0	-32	957	53.5	132.1	9.9	0.0	185.6	1
1E	72	2317	-666	16	0	33	1997	31.9	247.9	24.9	0.0	279.8	1
1F	72	2317	-264	16	0	33	957	31.9	132.8	9.9	0.0	164.7	1
1G	72	2317	-666	-22	0	-32	1997	31.9	247.1	24.9	0.0	279.0	1
1H	72	2317	-264	-22	0	-32	957	31.9	132.1	9.9	0.0	164.0	1
1I	72	-4786	-533	44	0	-27	1678	65.8	207.6	19.9	0.0	273.4	1
1J	72	-4786	-397	44	0	-27	1275	65.8	163.0	14.9	0.0	228.8	1
1K	72	-4786	-533	-50	0	28	1678	65.8	208.3	19.9	0.0	274.1	1
1L	72	-4786	-397	-50	0	28	1275	65.8	163.8	14.9	0.0	229.6	1
1M	72	3213	-533	44	0	-27	1678	44.2	207.6	19.9	0.0	251.8	1
1N	72	3213	-397	44	0	-27	1275	44.2	163.0	14.9	0.0	207.2	1
1O	72	3213	-533	-50	0	28	1678	44.2	208.3	19.9	0.0	252.5	1
1P	72	3213	-397	-50	0	28	1275	44.2	163.8	14.9	0.0	208.0	1
2	72	-4427	-2232	-24	0	11	7066	60.9	790.4	83.5	0.0	851.3	1
7	72	-3752	-1748	-22	0	10	5538	51.6	620.9	65.4	0.0	672.6	1
8	72	-3332	-1744	-17	0	7	5523	45.8	616.9	65.2	0.0	662.7	1
1A	144	-3891	-707	16	0	41	1503	53.5	199.7	26.5	0.0	253.2	1
1B	144	-3891	-305	16	0	41	753	53.5	116.6	11.4	0.0	170.1	1
1C	144	-3891	-707	-22	0	-36	1503	53.5	195.3	26.5	0.0	248.8	1
1D	144	-3891	-305	-22	0	-36	753	53.5	112.2	11.4	0.0	165.7	1
1E	144	2316	-707	16	0	41	1503	31.9	199.7	26.5	0.0	231.6	1
1F	144	2316	-305	16	0	41	753	31.9	116.6	11.4	0.0	148.5	1
1G	144	2316	-707	-22	0	-36	1503	31.9	195.3	26.5	0.0	227.2	1
1H	144	2316	-305	-22	0	-36	753	31.9	112.2	11.4	0.0	144.1	1
1I	144	-4787	-574	44	0	-64	1281	65.8	194.2	21.5	0.0	260.0	1
1J	144	-4787	-438	44	0	-64	975	65.8	160.2	16.4	0.0	226.1	1
1K	144	-4787	-574	-50	0	70	1281	65.8	198.6	21.5	0.0	264.4	1
1L	144	-4787	-438	-50	0	70	975	65.8	164.7	16.4	0.0	230.5	1
1M	144	3212	-574	44	0	-64	1281	44.2	194.2	21.5	0.0	238.3	1
1N	144	3212	-438	44	0	-64	975	44.2	160.2	16.4	0.0	204.4	1
1O	144	3212	-574	-50	0	70	1281	44.2	198.6	21.5	0.0	242.8	1
1P	144	3212	-438	-50	0	70	975	44.2	164.7	16.4	0.0	208.9	1
2	144	-4428	-2285	-24	0	28	5442	60.9	624.9	85.5	0.0	685.8	1
7	144	-3754	-1802	-22	0	26	4261	51.6	492.5	67.4	0.0	544.2	1
8	144	-3334	-1797	-17	0	20	4250	45.9	486.2	67.2	0.0	532.0	1

ASTA NUM. 65 NI 781 NF 790 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1989	-833	205	0	52	1504	27.4	208.7	31.2	0.0	236.0	1	
1B	0	-1989	-385	205	0	52	752	27.4	125.4	14.4	0.0	152.8	1	
1C	0	-1989	-833	-194	0	-47	1504	27.4	204.5	31.2	0.0	231.8	1	
1D	0	-1989	-385	-194	0	-47	752	27.4	121.2	14.4	0.0	148.6	1	
1E	0	1276	-833	205	0	52	1504	17.6	208.7	31.2	0.0	226.2	1	
1F	0	1276	-385	205	0	52	752	17.6	125.4	14.4	0.0	143.0	1	
1G	0	1276	-833	-194	0	-47	1504	17.6	204.5	31.2	0.0	222.0	1	
1H	0	1276	-385	-194	0	-47	752	17.6	121.2	14.4	0.0	138.8	1	
1I	0	-4371	-697	482	0	92	1281	60.1	216.5	26.1	0.0	276.6	1	
1J	0	-4371	-521	482	0	92	975	60.1	182.6	19.5	0.0	242.7	1	
1K	0	-4371	-697	-471	0	-87	1281	60.1	212.3	26.1	0.0	272.4	1	
1L	0	-4371	-521	-471	0	-87	975	60.1	178.4	19.5	0.0	238.5	1	
1M	0	3659	-697	482	0	92	1281	50.3	216.5	26.1	0.0	266.8	1	
1N	0	3659	-521	482	0	92	975	50.3	182.6	19.5	0.0	232.9	1	
1O	0	3659	-697	-471	0	-87	1281	50.3	212.3	26.1	0.0	262.6	1	
1P	0	3659	-521	-471	0	-87	975	50.3	178.4	19.5	0.0	228.7	1	
2	0	-2637	-3064	142	0	33	5446	36.3	629.1	114.6	0.0	665.4	1	
7	0	-2414	-2389	145	0	31	4265	33.2	497.2	89.4	0.0	530.4	1	
8	0	-1897	-2383	93	0	22	4254	26.1	488.8	89.1	0.0	514.9	1	
1A	72	-1990	-874	205	0	-96	891	27.4	176.9	32.7	0.0	204.3	1	
1B	72	-1990	-426	205	0	-96	461	27.4	129.3	15.9	0.0	156.7	1	
1C	72	-1990	-874	-194	0	93	891	27.4	174.7	32.7	0.0	202.1	1	
1D	72	-1990	-426	-194	0	93	461	27.4	127.1	15.9	0.0	154.5	1	
1E	72	1276	-874	205	0	-96	891	17.5	176.9	32.7	0.0	194.4	1	
1F	72	1276	-426	205	0	-96	461	17.5	129.3	15.9	0.0	146.9	1	
1G	72	1276	-874	-194	0	93	891	17.5	174.7	32.7	0.0	192.2	1	
1H	72	1276	-426	-194	0	93	461	17.5	127.1	15.9	0.0	144.7	1	
1I	72	-4372	-738	482	0	-255	766	60.1	292.4	27.6	0.0	352.5	1	
1J	72	-4372	-562	482	0	-255	585	60.1	272.4	21.0	0.0	332.6	1	
1K	72	-4372	-738	-471	0	252	766	60.1	290.2	27.6	0.0	350.3	1	
1L	72	-4372	-562	-471	0	252	585	60.1	270.2	21.0	0.0	330.4	1	
1M	72	3658	-738	482	0	-255	766	50.3	292.4	27.6	0.0	342.7	1	
1N	72	3658	-562	482	0	-255	585	50.3	272.4	21.0	0.0	322.8	1	

1O	72	3658	-738	-471	0	252	766	50.3	290.2	27.6	0.0	340.5	1
1P	72	3658	-562	-471	0	252	585	50.3	270.2	21.0	0.0	320.6	1
2	72	-2638	-3118	142	0	-70	3224	36.3	413.5	116.6	0.0	449.8	1
7	72	-2416	-2442	145	0	-73	2528	33.2	339.4	91.4	0.0	372.6	1
8	72	-1898	-2436	93	0	-45	2521	26.1	315.3	91.1	0.0	341.4	1
1A	144	-1991	-915	205	0	-244	248	27.4	226.4	34.2	0.0	253.7	1
1B	144	-1991	-467	205	0	-244	140	27.4	214.5	17.5	0.0	241.9	1
1C	144	-1991	-915	-194	0	234	248	27.4	217.7	34.2	0.0	245.1	1
1D	144	-1991	-467	-194	0	234	140	27.4	205.9	17.5	0.0	233.3	1
1E	144	1274	-915	205	0	-244	248	17.5	226.4	34.2	0.0	243.9	1
1F	144	1274	-467	205	0	-244	140	17.5	214.5	17.5	0.0	232.0	1
1G	144	1274	-915	-194	0	234	248	17.5	217.7	34.2	0.0	235.3	1
1H	144	1274	-467	-194	0	234	140	17.5	205.9	17.5	0.0	223.4	1
1I	144	-4373	-779	482	0	-601	221	60.2	514.5	29.1	0.0	574.7	1
1J	144	-4373	-603	482	0	-601	167	60.2	508.5	22.6	0.0	568.7	1
1K	144	-4373	-779	-471	0	591	221	60.2	505.9	29.1	0.0	566.1	1
1L	144	-4373	-603	-471	0	591	167	60.2	499.9	22.6	0.0	560.1	1
1M	144	3657	-779	482	0	-601	221	50.3	514.5	29.1	0.0	564.8	1
1N	144	3657	-603	482	0	-601	167	50.3	508.5	22.6	0.0	558.8	1
1O	144	3657	-779	-471	0	591	221	50.3	505.9	29.1	0.0	556.2	1
1P	144	3657	-603	-471	0	591	167	50.3	499.9	22.6	0.0	550.2	1
2	144	-2640	-3171	142	0	-172	963	36.3	246.9	118.6	0.0	283.2	1
7	144	-2417	-2496	145	0	-178	752	33.2	227.9	93.4	0.0	261.2	1
8	144	-1899	-2490	93	0	-112	750	26.1	173.9	93.1	0.0	200.0	1

ASTA NUM. 66 NI 779 NF 776 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-867	921	316	0	361	-954	11.9	399.8	34.4	0.0	411.7	1	
1B	0	-867	1185	316	0	361	-2468	11.9	567.2	44.3	0.0	579.2	1	
1C	0	-867	921	-307	0	-352	-954	11.9	392.3	34.4	0.0	404.2	1	
1D	0	-867	1185	-307	0	-352	-2468	11.9	559.8	44.3	0.0	571.7	1	
1E	0	155	921	316	0	361	-954	2.1	399.8	34.4	0.0	401.9	1	
1F	0	155	1185	316	0	361	-2468	2.1	567.2	44.3	0.0	569.4	1	
1G	0	155	921	-307	0	-352	-954	2.1	392.3	34.4	0.0	394.4	1	
1H	0	155	1185	-307	0	-352	-2468	2.1	559.8	44.3	0.0	561.9	1	
1I	0	-1016	746	781	0	920	199	14.0	771.6	27.9	0.0	785.6	1	
1J	0	-1016	1360	781	0	920	-3621	14.0	1150.2	50.9	0.0	1164.2	1	
1K	0	-1016	746	-773	0	-911	199	14.0	764.2	27.9	0.0	778.1	1	
1L	0	-1016	1360	-773	0	-911	-3621	14.0	1142.7	50.9	0.0	1156.7	1	
1M	0	304	746	781	0	920	199	4.2	771.6	27.9	0.0	775.8	1	
1N	0	304	1360	781	0	920	-3621	4.2	1150.2	50.9	0.0	1154.4	1	
1O	0	304	746	-773	0	-911	199	4.2	764.2	27.9	0.0	768.3	1	
1P	0	304	1360	-773	0	-911	-3621	4.2	1142.7	50.9	0.0	1146.9	1	
2	0	-950	5052	181	0	218	-8828	13.1	1154.3	189.0	0.0	1167.4	1	
7	0	-619	3974	189	0	228	-6972	8.5	956.8	148.6	0.0	965.3	1	
8	0	-800	3954	116	0	140	-6891	11.0	876.7	147.9	0.0	887.7	1	
1A	72	-866	879	316	0	133	-302	11.9	141.8	32.9	0.0	153.7	1	
1B	72	-866	1144	316	0	133	-1636	11.9	289.3	42.8	0.0	301.3	1	
1C	72	-866	879	-307	0	-130	-302	11.9	139.1	32.9	0.0	151.0	1	
1D	72	-866	1144	-307	0	-130	-1636	11.9	286.6	42.8	0.0	298.5	1	
1E	72	156	879	316	0	133	-302	2.1	141.8	32.9	0.0	143.9	1	
1F	72	156	1144	316	0	133	-1636	2.1	289.3	42.8	0.0	291.5	1	
1G	72	156	879	-307	0	-130	-302	2.1	139.1	32.9	0.0	141.2	1	
1H	72	156	1144	-307	0	-130	-1636	2.1	286.6	42.8	0.0	288.8	1	
1I	72	-1015	705	781	0	358	722	14.0	371.6	27.1	0.0	385.6	1	
1J	72	-1015	1319	781	0	358	-2660	14.0	586.0	49.3	0.0	600.0	1	
1K	72	-1015	705	-773	0	-355	722	14.0	368.9	26.8	0.0	382.8	1	
1L	72	-1015	1319	-773	0	-355	-2660	14.0	583.3	49.3	0.0	597.2	1	
1M	72	305	705	781	0	358	722	4.2	371.6	27.1	0.0	375.8	1	
1N	72	305	1319	781	0	358	-2660	4.2	586.0	49.3	0.0	590.2	1	
1O	72	305	705	-773	0	-355	722	4.2	368.9	26.8	0.0	373.1	1	
1P	72	305	1319	-773	0	-355	-2660	4.2	583.3	49.3	0.0	587.5	1	
2	72	-949	4999	181	0	88	-5215	13.1	648.6	187.0	0.0	661.7	1	
7	72	-618	3920	189	0	92	-4134	8.5	532.0	146.6	0.0	540.5	1	
8	72	-798	3901	116	0	57	-4067	11.0	496.1	145.9	0.0	507.0	1	
1A	144	-864	838	316	0	-95	320	11.9	112.9	31.4	0.0	124.8	1	
1B	144	-864	1103	316	0	-95	-833	11.9	169.6	41.3	0.0	181.5	1	
1C	144	-864	838	-307	0	93	320	11.9	110.9	31.4	0.0	122.8	1	
1D	144	-864	1103	-307	0	93	-833	11.9	167.6	41.3	0.0	179.5	1	
1E	144	157	838	316	0	-95	320	2.2	112.9	31.4	0.0	115.1	1	
1F	144	157	1103	316	0	-95	-833	2.2	169.6	41.3	0.0	171.8	1	
1G	144	157	838	-307	0	93	320	2.2	110.9	31.4	0.0	113.1	1	
1H	144	157	1103	-307	0	93	-833	2.2	167.6	41.3	0.0	169.8	1	
1I	144	-1014	664	781	0	-204	1215	13.9	300.6	27.1	0.0	314.5	1	
1J	144	-1014	1278	781	0	-204	-1728	13.9	357.3	47.8	0.0	371.2	1	
1K	144	-1014	664	-773	0	201	1215	13.9	298.5	26.8	0.0	312.5	1	
1L	144	-1014	1278	-773	0	201	-1728	13.9	355.3	47.8	0.0	369.2	1	
1M	144	306	664	781	0	-204	1215	4.2	300.6	27.1	0.0	304.8	1	
1N	144	306	1278	781	0	-204	-1728	4.2	357.3	47.8	0.0	361.5	1	
1O	144	306	664	-773	0	201	1215	4.2	298.5	26.8	0.0	302.8	1	
1P	144	306	1278	-773	0	201	-1728	4.2	355.3	47.8	0.0	359.5	1	
2	144	-948	4946	181	0	-42	-1640	13.0	215.7	185.0	0.0	320.8	4	
7	144	-616	3867	189	0	-44	-1334	8.5	183.7	144.6	0.0	250.7	4	
8	144	-797	3848	116	0	-27	-1281	11.0	163.8	143.9	0.0	249.6	4	

ASTA NUM. 67 NI 776 NF 775 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-820	686	45	0	75	321	11.3	96.9	25.7	0.0	108.2	1	
1B	0	-820	944	45	0	75	-832	11.3	153.5	35.3	0.0	164.8	1	
1C	0	-820	686	-44	0	-77	321	11.3	98.7	25.7	0.0	110.0	1	
1D	0	-820	944	-44	0	-77	-832	11.3	155.3	35.3	0.0	166.5	1	
1E	0	120	686	45	0	75	321	1.7	96.9	25.7	0.0	98.6	1	
1F	0	120	944	45	0	75	-832	1.7	153.5	35.3	0.0	155.2	1	
1G	0	120	686	-44	0	-77	321	1.7	98.7	25.7	0.0	100.3	1	
1H	0	120	944	-44	0	-77	-832	1.7	155.3	35.3	0.0	156.9	1	
1I	0	-928	515	116	0	159	1216	12.8	264.0	19.3	0.0	276.8	1	
1J	0	-928	1116	116	0	159	-1727	12.8	320.6	41.7	0.0	333.4	1	
1K	0	-928	515	-116	0	-161	1216	12.8	265.8	19.3	0.0	278.5	1	
1L	0	-928	1116	-116	0	-161	-1727	12.8	322.3	41.7	0.0	335.1	1	
1M	0	227	515	116	0	159	1216	3.1	264.0	19.3	0.0	267.2	1	
1N	0	227	1116	116	0	159	-1727	3.1	320.6	41.7	0.0	323.7	1	
1O	0	227	515	-116	0	-161	1216	3.1	265.8	19.3	0.0	268.9	1	
1P	0	227	1116	-116	0	-161	-1727	3.1	322.3	41.7	0.0	325.5	1	
2	0	-923	3902	-21	0	-32	-1636	12.7	207.2	146.0	0.0	266.6	3	
7	0	-599	3075	-23	0	-34	-1331	8.2	175.0	115.0	0.0	212.1	3	
8	0	-778	3056	-13	0	-21	-1278	10.7	158.3	114.3	0.0	209.0	3	
1A	72	-819	645	45	0	49	809	11.3	129.3	24.1	0.0	140.5	1	
1B	72	-819	903	45	0	49	-177	11.3	59.4	33.8	0.0	70.7	1	
1C	72	-819	645	-44	0	-51	809	11.3	131.3	24.1	0.0	142.6	1	
1D	72	-819	903	-44	0	-51	-177	11.3	61.5	33.8	0.0	72.7	1	
1E	72	121	645	45	0	49	809	1.7	129.3	24.1	0.0	130.9	1	
1F	72	121	903	45	0	49	-177	1.7	59.4	33.8	0.0	61.1	1	
1G	72	121	645	-44	0	-51	809	1.7	131.3	24.1	0.0	133.0	1	
1H	72	121	903	-44	0	-51	-177	1.7	61.5	33.8	0.0	63.1	1	
1I	72	-927	474	116	0	70	1574	12.7	231.1	17.7	0.0	243.8	1	
1J	72	-927	1075	116	0	70	-943	12.7	161.2	40.2	0.0	173.9	1	
1K	72	-927	474	-116	0	-72	1574	12.7	233.1	17.7	0.0	245.9	1	
1L	72	-927	1075	-116	0	-72	-943	12.7	163.3	40.2	0.0	176.0	1	
1M	72	228	474	116	0	70	1574	3.1	231.1	17.7	0.0	234.2	1	
1N	72	228	1075	116	0	70	-943	3.1	161.2	40.2	0.0	164.3	1	
1O	72	228	474	-116	0	-72	1574	3.1	233.1	17.7	0.0	236.2	1	
1P	72	228	1075	-116	0	-72	-943	3.1	163.3	40.2	0.0	166.4	1	
2	72	-922	3848	-21	0	-17	1150	12.7	141.2	144.0	0.0	249.7	4	
7	72	-597	3022	-23	0	-18	861	8.2	109.6	113.0	0.0	196.0	4	
8	72	-777	3002	-13	0	-11	900	10.7	108.9	112.3	0.0	194.8	4	
1A	144	-818	604	45	0	22	1267	11.3	158.3	22.6	0.0	169.6	1	
1B	144	-818	862	45	0	22	449	11.3	67.8	32.3	0.0	79.1	1	
1C	144	-818	604	-44	0	-25	1267	11.3	160.7	22.6	0.0	172.0	1	
1D	144	-818	862	-44	0	-25	449	11.3	70.2	32.3	0.0	81.5	1	
1E	144	122	604	45	0	22	1267	1.7	158.3	22.6	0.0	160.0	1	
1F	144	122	862	45	0	22	449	1.7	67.8	32.3	0.0	69.5	1	
1G	144	122	604	-44	0	-25	1267	1.7	160.7	22.6	0.0	162.4	1	
1H	144	122	862	-44	0	-25	449	1.7	70.2	32.3	0.0	71.9	1	
1I	144	-926	433	116	0	-19	1903	12.7	226.3	16.2	0.0	239.0	1	
1J	144	-926	1034	116	0	-19	-188	12.7	36.5	38.7	0.0	68.3	4	
1K	144	-926	433	-116	0	16	1903	12.7	223.9	16.2	0.0	236.6	1	
1L	144	-926	1034	-116	0	16	-188	12.7	34.1	38.7	0.0	68.3	4	
1M	144	229	433	116	0	-19	1903	3.2	226.3	16.2	0.0	229.4	1	
1N	144	229	1034	116	0	-19	-188	3.2	36.5	38.7	0.0	67.1	4	
1O	144	229	433	-116	0	16	1903	3.2	223.9	16.2	0.0	227.0	1	
1P	144	229	1034	-116	0	16	-188	3.2	34.1	38.7	0.0	67.1	4	
2	144	-920	3795	-21	0	-2	3898	12.7	432.9	142.0	0.0	454.8	3	
7	144	-596	2969	-23	0	-1	3014	8.2	334.5	111.1	0.0	351.0	3	
8	144	-776	2949	-13	0	-2	3040	10.7	338.1	110.3	0.0	355.2	3	

ASTA NUM. 68 NI 775 NF 774 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-777	437	18	0	31	1267	10.7	165.7	16.4	0.0	176.3	1	
1B	0	-777	686	18	0	31	449	10.7	75.2	25.7	0.0	85.8	1	
1C	0	-777	437	-19	0	-34	1267	10.7	167.8	16.4	0.0	178.5	1	
1D	0	-777	686	-19	0	-34	449	10.7	77.3	25.7	0.0	88.0	1	
1E	0	88	437	18	0	31	1267	1.2	165.7	16.4	0.0	166.9	1	
1F	0	88	686	18	0	31	449	1.2	75.2	25.7	0.0	76.4	1	
1G	0	88	437	-19	0	-34	1267	1.2	167.8	16.4	0.0	169.1	1	
1H	0	88	686	-19	0	-34	449	1.2	77.3	25.7	0.0	78.6	1	
1I	0	-844	270	50	0	54	1903	11.6	254.7	10.1	0.0	266.3	1	
1J	0	-844	853	50	0	54	-187	11.6	64.9	31.9	0.0	76.5	1	
1K	0	-844	270	-51	0	-57	1903	11.6	256.9	10.1	0.0	268.5	1	
1L	0	-844	853	-51	0	-57	-187	11.6	67.0	31.9	0.0	78.7	1	
1M	0	155	270	50	0	54	1903	2.1	254.7	10.1	0.0	256.8	1	
1N	0	155	853	50	0	54	-187	2.1	64.9	31.9	0.0	67.0	1	
1O	0	155	270	-51	0	-57	1903	2.1	256.9	10.1	0.0	259.0	1	
1P	0	155	853	-51	0	-57	-187	2.1	67.0	31.9	0.0	69.2	1	
2	0	-895	2676	7	0	7	3899	12.3	437.2	100.1	0.0	449.5	1	

7	0	-578	2118	9	0	8	3016	7.9	340.5	79.2	0.0	348.4	1
8	0	-756	2099	4	0	4	3042	10.4	339.6	78.5	0.0	350.0	1
1A	72	-776	396	18	0	27	1584	10.7	197.1	14.8	0.0	207.7	1
1B	72	-776	645	18	0	27	911	10.7	122.6	24.1	0.0	133.2	1
1C	72	-776	396	-19	0	-29	1584	10.7	198.6	14.8	0.0	209.3	1
1D	72	-776	645	-19	0	-29	911	10.7	124.1	24.1	0.0	134.8	1
1E	72	89	396	18	0	27	1584	1.2	197.1	14.8	0.0	198.3	1
1F	72	89	645	18	0	27	911	1.2	122.6	24.1	0.0	123.8	1
1G	72	89	396	-19	0	-29	1584	1.2	198.6	14.8	0.0	199.9	1
1H	72	89	645	-19	0	-29	911	1.2	124.1	24.1	0.0	125.4	1
1I	72	-843	229	50	0	14	2089	11.6	242.3	8.6	0.0	253.9	1
1J	72	-843	812	50	0	14	406	11.6	56.1	30.4	0.0	67.7	1
1K	72	-843	229	-51	0	-16	2089	11.6	243.8	8.6	0.0	255.4	1
1L	72	-843	812	-51	0	-16	406	11.6	57.7	30.4	0.0	69.3	1
1M	72	156	229	50	0	14	2089	2.2	242.3	8.6	0.0	244.4	1
1N	72	156	812	50	0	14	406	2.2	56.1	30.4	0.0	60.2	3
1O	72	156	229	-51	0	-16	2089	2.2	243.8	8.6	0.0	246.0	1
1P	72	156	812	-51	0	-16	406	2.2	57.7	30.4	0.0	60.2	3
2	72	-894	2622	7	0	2	5804	12.3	643.7	98.1	0.0	656.0	1
7	72	-576	2064	9	0	2	4520	7.9	501.7	77.2	0.0	509.6	1
8	72	-755	2046	4	0	1	4532	10.4	502.0	76.5	0.0	512.4	1
1A	144	-775	355	18	0	22	1871	10.7	225.2	13.3	0.0	235.9	1
1B	144	-775	604	18	0	22	1343	10.7	166.7	22.6	0.0	177.4	1
1C	144	-775	355	-19	0	-23	1871	10.7	226.2	13.3	0.0	236.8	1
1D	144	-775	604	-19	0	-23	1343	10.7	167.6	22.6	0.0	178.3	1
1E	144	90	355	18	0	22	1871	1.2	225.2	13.3	0.0	226.5	1
1F	144	90	604	18	0	22	1343	1.2	166.7	22.6	0.0	168.0	1
1G	144	90	355	-19	0	-23	1871	1.2	226.2	13.3	0.0	227.4	1
1H	144	90	604	-19	0	-23	1343	1.2	167.6	22.6	0.0	168.9	1
1I	144	-842	188	50	0	-27	2244	11.6	270.0	7.0	0.0	281.6	1
1J	144	-842	771	50	0	-27	970	11.6	129.0	28.8	0.0	140.6	1
1K	144	-842	188	-51	0	26	2244	11.6	269.1	7.0	0.0	280.7	1
1L	144	-842	771	-51	0	26	970	11.6	128.1	28.8	0.0	139.7	1
1M	144	157	188	50	0	-27	2244	2.2	270.0	7.0	0.0	272.2	1
1N	144	157	771	50	0	-27	970	2.2	129.0	28.8	0.0	131.2	1
1O	144	157	188	-51	0	26	2244	2.2	269.1	7.0	0.0	271.3	1
1P	144	157	771	-51	0	26	970	2.2	128.1	28.8	0.0	130.3	1
2	144	-892	2569	7	0	-3	7670	12.3	851.2	96.1	0.0	863.5	1
7	144	-575	2011	9	0	-4	5985	7.9	665.6	75.2	0.0	673.5	1
8	144	-754	1992	4	0	-2	5983	10.4	663.7	74.5	0.0	674.1	1

ASTA NUM. 69 NI 774 NF 778 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-736	179	40	0	19	1872	10.1	222.9	6.7	0.0	233.0	1	
1B	0	-736	419	40	0	19	1342	10.1	164.3	15.7	0.0	174.5	1	
1C	0	-736	179	-36	0	-20	1872	10.1	223.6	6.7	0.0	233.8	1	
1D	0	-736	419	-36	0	-20	1342	10.1	165.1	15.7	0.0	175.2	1	
1E	0	60	179	40	0	19	1872	0.8	222.9	6.7	0.0	223.7	1	
1F	0	60	419	40	0	19	1342	0.8	164.3	15.7	0.0	165.2	1	
1G	0	60	179	-36	0	-20	1872	0.8	223.6	6.7	0.0	224.5	1	
1H	0	60	419	-36	0	-20	1342	0.8	165.1	15.7	0.0	165.9	1	
1I	0	-768	14	37	0	22	2244	10.6	266.2	1.3	0.0	276.7	1	
1J	0	-768	584	37	0	22	970	10.6	125.1	21.9	0.0	135.7	1	
1K	0	-768	14	-33	0	-23	2244	10.6	267.0	1.1	0.0	277.5	1	
1L	0	-768	584	-33	0	-23	970	10.6	125.9	21.9	0.0	136.5	1	
1M	0	92	14	37	0	22	2244	1.3	266.2	1.3	0.0	267.4	1	
1N	0	92	584	37	0	22	970	1.3	125.1	21.9	0.0	126.4	1	
1O	0	92	14	-33	0	-23	2244	1.3	267.0	1.1	0.0	268.2	1	
1P	0	92	584	-33	0	-23	970	1.3	125.9	21.9	0.0	127.2	1	
2	0	-866	1410	22	0	6	7671	11.9	853.6	52.7	0.0	865.5	1	
7	0	-555	1130	18	0	6	5985	7.6	666.7	42.3	0.0	674.3	1	
8	0	-733	1110	16	0	4	5983	10.1	665.0	41.5	0.0	675.1	1	
1A	72	-735	138	40	0	38	2015	10.1	253.8	5.2	0.0	264.0	1	
1B	72	-735	378	40	0	38	1600	10.1	207.9	14.1	0.0	218.0	1	
1C	72	-735	138	-36	0	-42	2015	10.1	257.3	5.2	0.0	267.4	1	
1D	72	-735	378	-36	0	-42	1600	10.1	211.4	14.1	0.0	221.5	1	
1E	72	61	138	40	0	38	2015	0.8	253.8	5.2	0.0	254.7	1	
1F	72	61	378	40	0	38	1600	0.8	207.9	14.1	0.0	208.8	1	
1G	72	61	138	-36	0	-42	2015	0.8	257.3	5.2	0.0	258.2	1	
1H	72	61	378	-36	0	-42	1600	0.8	211.4	14.1	0.0	212.2	1	
1I	72	-766	-27	37	0	-9	2250	10.5	256.0	1.3	0.0	266.5	1	
1J	72	-766	543	37	0	-9	1365	10.5	158.1	20.3	0.0	168.6	1	
1K	72	-766	-27	-33	0	4	2250	10.5	252.5	1.1	0.0	263.1	1	
1L	72	-766	543	-33	0	4	1365	10.5	154.6	20.3	0.0	165.1	1	
1M	72	93	-27	37	0	-9	2250	1.3	256.0	1.3	0.0	257.3	1	
1N	72	93	543	37	0	-9	1365	1.3	158.1	20.3	0.0	159.3	1	
1O	72	93	-27	-33	0	4	2250	1.3	252.5	1.1	0.0	253.8	1	
1P	72	93	543	-33	0	4	1365	1.3	154.6	20.3	0.0	155.9	1	
2	72	-865	1357	22	0	-9	8666	11.9	966.4	50.8	0.0	978.3	1	
7	72	-554	1076	18	0	-7	6778	7.6	756.0	40.3	0.0	763.6	1	
8	72	-732	1057	16	0	-7	6762	10.1	754.2	39.5	0.0	764.2	1	
1A	144	-734	97	40	0	57	2129	10.1	281.6	3.6	0.0	291.7	1	
1B	144	-734	337	40	0	57	1827	10.1	248.3	12.6	0.0	258.4	1	
1C	144	-734	97	-36	0	-64	2129	10.1	287.7	3.6	0.0	297.8	1	
1D	144	-734	337	-36	0	-64	1827	10.1	254.4	12.6	0.0	264.5	1	

1E	144	62	97	40	0	57	2129	0.9	281.6	3.6	0.0	282.4	1
1F	144	62	337	40	0	57	1827	0.9	248.3	12.6	0.0	249.1	1
1G	144	62	97	-36	0	-64	2129	0.9	287.7	3.6	0.0	288.6	1
1H	144	62	337	-36	0	-64	1827	0.9	254.4	12.6	0.0	255.3	1
1I	144	-765	-68	37	0	-39	2226	10.5	278.3	2.5	0.0	288.8	1
1J	144	-765	502	37	0	-39	1730	10.5	223.4	18.8	0.0	234.0	1
1K	144	-765	-68	-33	0	32	2226	10.5	272.1	2.5	0.0	282.6	1
1L	144	-765	502	-33	0	32	1730	10.5	217.3	18.8	0.0	227.8	1
1M	144	94	-68	37	0	-39	2226	1.3	278.3	2.5	0.0	279.6	1
1N	144	94	502	37	0	-39	1730	1.3	223.4	18.8	0.0	224.7	1
1O	144	94	-68	-33	0	32	2226	1.3	272.1	2.5	0.0	273.4	1
1P	144	94	502	-33	0	32	1730	1.3	217.3	18.8	0.0	218.6	1
2	144	-864	1304	22	0	-25	9623	11.9	1084.9	48.8	0.0	1096.8	1
7	144	-553	1023	18	0	-21	7533	7.6	850.1	38.3	0.0	857.7	1
8	144	-731	1004	16	0	-19	7503	10.0	845.3	37.6	0.0	855.3	1

ASTA NUM. 70 NI 778 NF 731 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-704	-85	24	0	56	2129	9.7	280.9	3.2	0.0	290.6	1	
1B	0	-704	152	24	0	56	1827	9.7	247.6	5.7	0.0	257.2	1	
1C	0	-704	-85	-24	0	-63	2129	9.7	287.0	3.2	0.0	296.7	1	
1D	0	-704	152	-24	0	-63	1827	9.7	253.7	5.7	0.0	263.4	1	
1E	0	41	-85	24	0	56	2129	0.6	280.9	3.2	0.0	281.4	1	
1F	0	41	152	24	0	56	1827	0.6	247.6	5.7	0.0	248.1	1	
1G	0	41	-85	-24	0	-63	2129	0.6	287.0	3.2	0.0	287.6	1	
1H	0	41	152	-24	0	-63	1827	0.6	253.7	5.7	0.0	254.3	1	
1I	0	-709	-250	33	0	32	2226	9.7	272.6	9.4	0.0	282.4	1	
1J	0	-709	317	33	0	32	1730	9.7	217.7	11.8	0.0	227.5	1	
1K	0	-709	-250	-33	0	-40	2226	9.7	278.8	9.4	0.0	288.5	1	
1L	0	-709	317	-33	0	-40	1730	9.7	223.9	11.8	0.0	233.6	1	
1M	0	46	-250	33	0	32	2226	0.6	272.6	9.4	0.0	273.3	1	
1N	0	46	317	33	0	32	1730	0.6	217.7	11.8	0.0	218.4	1	
1O	0	46	-250	-33	0	-40	2226	0.6	278.8	9.4	0.0	279.4	1	
1P	0	46	317	-33	0	-40	1730	0.6	223.9	11.8	0.0	224.5	1	
2	0	-836	130	6	0	-16	9623	11.5	1077.6	4.9	0.0	1089.1	1	
7	0	-533	131	7	0	-11	7533	7.3	842.4	4.9	0.0	849.7	1	
8	0	-710	110	4	0	-13	7503	9.8	840.6	4.1	0.0	850.4	1	
1A	37	-703	-107	24	0	59	2115	9.7	281.7	4.0	0.0	291.4	1	
1B	37	-703	130	24	0	59	1858	9.7	253.2	4.9	0.0	262.9	1	
1C	37	-703	-107	-24	0	-66	2115	9.7	287.7	4.0	0.0	297.4	1	
1D	37	-703	130	-24	0	-66	1858	9.7	259.2	4.9	0.0	268.9	1	
1E	37	41	-107	24	0	59	2115	0.6	281.7	4.0	0.0	282.3	1	
1F	37	41	130	24	0	59	1858	0.6	253.2	4.9	0.0	253.8	1	
1G	37	41	-107	-24	0	-66	2115	0.6	287.7	4.0	0.0	288.3	1	
1H	37	41	130	-24	0	-66	1858	0.6	259.2	4.9	0.0	259.8	1	
1I	37	-708	-272	33	0	25	2147	9.7	257.8	10.2	0.0	267.6	1	
1J	37	-708	295	33	0	25	1826	9.7	222.3	11.0	0.0	232.1	1	
1K	37	-708	-272	-33	0	-32	2147	9.7	263.9	10.2	0.0	273.6	1	
1L	37	-708	295	-33	0	-32	1826	9.7	228.4	11.0	0.0	238.1	1	
1M	37	46	-272	33	0	25	2147	0.6	257.8	10.2	0.0	258.5	1	
1N	37	46	295	33	0	25	1826	0.6	222.3	11.0	0.0	223.0	1	
1O	37	46	-272	-33	0	-32	2147	0.6	263.9	10.2	0.0	264.5	1	
1P	37	46	295	-33	0	-32	1826	0.6	228.4	11.0	0.0	229.0	1	
2	37	-836	103	6	0	-18	9667	11.5	1084.3	3.8	0.0	1095.8	1	
7	37	-532	103	7	0	-13	7577	7.3	849.2	3.9	0.0	856.6	1	
8	37	-709	83	4	0	-14	7539	9.8	845.8	3.1	0.0	855.5	1	
1A	75	-703	-128	24	0	61	2094	9.7	281.6	4.8	0.0	291.3	1	
1B	75	-703	109	24	0	61	1880	9.7	258.0	4.1	0.0	267.6	1	
1C	75	-703	-128	-24	0	-69	2094	9.7	287.5	4.8	0.0	297.2	1	
1D	75	-703	109	-24	0	-69	1880	9.7	263.9	4.1	0.0	273.5	1	
1E	75	42	-128	24	0	61	2094	0.6	281.6	4.8	0.0	282.2	1	
1F	75	42	109	24	0	61	1880	0.6	258.0	4.1	0.0	258.5	1	
1G	75	42	-128	-24	0	-69	2094	0.6	287.5	4.8	0.0	288.1	1	
1H	75	42	109	-24	0	-69	1880	0.6	263.9	4.1	0.0	264.5	1	
1I	75	-708	-293	33	0	18	2060	9.7	242.1	11.0	0.0	251.9	1	
1J	75	-708	274	33	0	18	1914	9.7	226.1	10.2	0.0	235.8	1	
1K	75	-708	-293	-33	0	-25	2060	9.7	248.0	11.0	0.0	257.8	1	
1L	75	-708	274	-33	0	-25	1914	9.7	232.0	10.2	0.0	241.7	1	
1M	75	47	-293	33	0	18	2060	0.6	242.1	11.0	0.0	242.8	1	
1N	75	47	274	33	0	18	1914	0.6	226.1	10.2	0.0	226.7	1	
1O	75	47	-293	-33	0	-25	2060	0.6	248.0	11.0	0.0	248.7	1	
1P	75	47	274	-33	0	-25	1914	0.6	232.0	10.2	0.0	232.6	1	
2	75	-835	75	6	0	-20	9700	11.5	1089.8	2.8	0.0	1101.3	1	
7	75	-531	76	7	0	-16	7611	7.3	855.0	2.8	0.0	862.3	1	
8	75	-708	55	4	0	-16	7565	9.7	849.8	2.1	0.0	859.5	1	

ASTA NUM. 71 NI 777 NF 773 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-683	-348	35	0	57	2151	9.4	284.2	13.0	0.0	293.6	1
1B	0	-683	-91	35	0	57	1801	9.4	245.5	3.4	0.0	254.9	1
1C	0	-683	-348	-40	0	-64	2151	9.4	290.1	13.0	0.0	299.5	1
1D	0	-683	-91	-40	0	-64	1801	9.4	251.4	3.4	0.0	260.8	1
1E	0	9	-348	35	0	57	2151	0.1	284.2	13.0	0.0	284.3	1
1F	0	9	-91	35	0	57	1801	0.1	245.5	3.4	0.0	245.6	1
1G	0	9	-348	-40	0	-64	2151	0.1	290.1	13.0	0.0	290.2	1
1H	0	9	-91	-40	0	-64	1801	0.1	251.4	3.4	0.0	251.6	1
1I	0	-666	-516	32	0	30	2210	9.2	268.8	19.3	0.0	277.9	1
1J	0	-666	77	32	0	30	1742	9.2	217.1	2.9	0.0	226.2	1
1K	0	-666	-516	-36	0	-37	2210	9.2	274.7	19.3	0.0	283.8	1
1L	0	-666	77	-36	0	-37	1742	9.2	223.0	2.9	0.0	232.1	1
1M	0	-7	-516	32	0	30	2210	0.1	268.8	19.3	0.0	268.9	1
1N	0	-7	77	32	0	30	1742	0.1	217.1	2.9	0.0	217.2	1
1O	0	-7	-516	-36	0	-37	2210	0.1	274.7	19.3	0.0	274.8	1
1P	0	-7	77	-36	0	-37	1742	0.1	223.0	2.9	0.0	223.1	1
2	0	-863	-1108	-10	0	-17	9766	11.9	1094.2	41.4	0.0	1106.1	1
7	0	-553	-842	-6	0	-12	7666	7.6	857.9	31.5	0.0	865.5	1
8	0	-730	-855	-8	0	-14	7612	10.0	853.2	32.0	0.0	863.2	1
1A	72	-684	-389	35	0	38	2062	9.4	259.3	14.6	0.0	268.8	1
1B	72	-684	-132	35	0	38	1545	9.4	202.2	4.9	0.0	211.6	1
1C	72	-684	-389	-40	0	-42	2062	9.4	262.7	14.6	0.0	272.1	1
1D	72	-684	-132	-40	0	-42	1545	9.4	205.6	4.9	0.0	215.0	1
1E	72	8	-389	35	0	38	2062	0.1	259.3	14.6	0.0	259.5	1
1F	72	8	-132	35	0	38	1545	0.1	202.2	4.9	0.0	202.3	1
1G	72	8	-389	-40	0	-42	2062	0.1	262.7	14.6	0.0	262.8	1
1H	72	8	-132	-40	0	-42	1545	0.1	205.6	4.9	0.0	205.7	1
1I	72	-667	-557	32	0	3	2246	9.2	250.9	20.8	0.0	260.1	1
1J	72	-667	36	32	0	3	1361	9.2	153.0	1.3	0.0	162.1	1
1K	72	-667	-557	-36	0	-7	2246	9.2	254.3	20.8	0.0	263.4	1
1L	72	-667	36	-36	0	-7	1361	9.2	156.3	1.3	0.0	165.5	1
1M	72	-8	-557	32	0	3	2246	0.1	250.9	20.8	0.0	251.0	1
1N	72	-8	36	32	0	3	1361	0.1	153.0	1.3	0.0	153.1	1
1O	72	-8	-557	-36	0	-7	2246	0.1	254.3	20.8	0.0	254.4	1
1P	72	-8	36	-36	0	-7	1361	0.1	156.3	1.3	0.0	156.4	1
2	72	-864	-1162	-10	0	-10	8950	11.9	998.1	43.4	0.0	1010.0	1
7	72	-554	-895	-6	0	-8	7042	7.6	785.4	33.5	0.0	793.0	1
8	72	-731	-908	-8	0	-8	6978	10.1	778.2	34.0	0.0	788.2	1
1A	144	-685	-430	35	0	20	1944	9.4	231.3	16.1	0.0	240.7	1
1B	144	-685	-173	35	0	20	1260	9.4	155.6	6.5	0.0	165.0	1
1C	144	-685	-430	-40	0	-21	1944	9.4	232.1	16.1	0.0	241.5	1
1D	144	-685	-173	-40	0	-21	1260	9.4	156.4	6.5	0.0	165.8	1
1E	144	7	-430	35	0	20	1944	0.1	231.3	16.1	0.0	231.4	1
1F	144	7	-173	35	0	20	1260	0.1	155.6	6.5	0.0	155.7	1
1G	144	7	-430	-40	0	-21	1944	0.1	232.1	16.1	0.0	232.2	1
1H	144	7	-173	-40	0	-21	1260	0.1	156.4	6.5	0.0	156.5	1
1I	144	-668	-598	32	0	-24	2254	9.2	268.9	22.4	0.0	278.1	1
1J	144	-668	-5	32	0	-24	950	9.2	124.7	1.1	0.0	133.9	1
1K	144	-668	-598	-36	0	23	2254	9.2	268.1	22.4	0.0	277.3	1
1L	144	-668	-5	-36	0	23	950	9.2	123.9	1.3	0.0	133.1	1
1M	144	-9	-598	32	0	-24	2254	0.1	268.9	22.4	0.0	269.0	1
1N	144	-9	-5	32	0	-24	950	0.1	124.7	1.1	0.0	124.8	1
1O	144	-9	-598	-36	0	23	2254	0.1	268.1	22.4	0.0	268.2	1
1P	144	-9	-5	-36	0	23	950	0.1	123.9	1.3	0.0	124.0	1
2	144	-866	-1215	-10	0	-2	8096	11.9	897.7	45.4	0.0	909.6	1
7	144	-555	-948	-6	0	-4	6379	7.6	708.7	35.5	0.0	716.3	1
8	144	-732	-962	-8	0	-2	6306	10.1	699.0	36.0	0.0	709.0	1

ASTA NUM. 72 NI 773 NF 772 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-681	-613	20	0	23	1943	9.4	233.7	22.9	0.0	243.1	1	
1B	0	-681	-350	20	0	23	1259	9.4	158.1	13.1	0.0	167.5	1	
1C	0	-681	-613	-19	0	-24	1943	9.4	234.9	22.9	0.0	244.3	1	
1D	0	-681	-350	-19	0	-24	1259	9.4	159.3	13.1	0.0	168.6	1	
1E	0	-6	-613	20	0	23	1943	0.1	233.7	22.9	0.0	233.8	1	
1F	0	-6	-350	20	0	23	1259	0.1	158.1	13.1	0.0	158.2	1	
1G	0	-6	-613	-19	0	-24	1943	0.1	234.9	22.9	0.0	235.0	1	
1H	0	-6	-350	-19	0	-24	1259	0.1	159.3	13.1	0.0	159.4	1	
1I	0	-670	-784	51	0	25	2252	9.2	269.2	29.3	0.0	278.4	1	
1J	0	-670	-179	51	0	25	950	9.2	125.1	6.7	0.0	134.3	1	
1K	0	-670	-784	-51	0	-26	2252	9.2	270.3	29.3	0.0	279.6	1	
1L	0	-670	-179	-51	0	-26	950	9.2	126.2	6.7	0.0	135.5	1	
1M	0	-17	-784	51	0	25	2252	0.2	269.2	29.3	0.0	269.4	1	
1N	0	-17	-179	51	0	25	950	0.2	125.1	6.7	0.0	125.3	1	
1O	0	-17	-784	-51	0	-26	2252	0.2	270.3	29.3	0.0	270.6	1	
1P	0	-17	-179	-51	0	-26	950	0.2	126.2	6.7	0.0	126.5	1	
2	0	-896	-2363	13	0	5	8095	12.3	899.9	88.4	0.0	912.2	1	
7	0	-579	-1820	13	0	5	6379	8.0	709.8	68.1	0.0	717.7	1	
8	0	-756	-1836	8	0	3	6305	10.4	700.1	68.7	0.0	710.5	1	
1A	72	-682	-654	20	0	28	1669	9.4	207.2	24.5	0.0	216.6	1	
1B	72	-682	-391	20	0	28	811	9.4	112.2	14.6	0.0	121.6	1	
1C	72	-682	-654	-19	0	-29	1669	9.4	208.5	24.5	0.0	217.9	1	
1D	72	-682	-391	-19	0	-29	811	9.4	113.6	14.6	0.0	122.9	1	
1E	72	-7	-654	20	0	28	1669	0.1	207.2	24.5	0.0	207.3	1	
1F	72	-7	-391	20	0	28	811	0.1	112.2	14.6	0.0	112.3	1	
1G	72	-7	-654	-19	0	-29	1669	0.1	208.5	24.5	0.0	208.6	1	

1H	72	-7	-391	-19	0	-29	811	0.1	113.6	14.6	0.0	113.7	1
1I	72	-671	-825	51	0	-17	2106	9.2	246.6	30.9	0.0	255.8	1
1J	72	-671	-220	51	0	-17	374	9.2	54.9	8.2	0.0	64.2	1
1K	72	-671	-825	-51	0	15	2106	9.2	245.3	30.9	0.0	254.5	1
1L	72	-671	-220	-51	0	15	374	9.2	53.6	8.2	0.0	62.9	1
1M	72	-18	-825	51	0	-17	2106	0.2	246.6	30.9	0.0	246.9	1
1N	72	-18	-220	51	0	-17	374	0.2	54.9	8.2	0.0	55.2	1
1O	72	-18	-825	-51	0	15	2106	0.2	245.3	30.9	0.0	245.5	1
1P	72	-18	-220	-51	0	15	374	0.2	53.6	8.2	0.0	53.9	1
2	72	-897	-2416	13	0	-4	6377	12.3	708.8	90.4	0.0	721.2	1
7	72	-581	-1874	13	0	-4	5051	8.0	562.5	70.1	0.0	570.4	1
8	72	-757	-1889	8	0	-3	4966	10.4	551.8	70.7	0.0	562.2	1
1A	144	-683	-695	20	0	32	1366	9.4	177.4	26.0	0.0	186.8	1
1B	144	-683	-432	20	0	32	333	9.4	63.1	16.2	0.0	72.5	1
1C	144	-683	-695	-19	0	-34	1366	9.4	178.9	26.0	0.0	188.3	1
1D	144	-683	-432	-19	0	-34	333	9.4	64.6	16.2	0.0	74.0	1
1E	144	-8	-695	20	0	32	1366	0.1	177.4	26.0	0.0	177.6	1
1F	144	-8	-432	20	0	32	333	0.1	63.1	16.2	0.0	63.2	1
1G	144	-8	-695	-19	0	-34	1366	0.1	178.9	26.0	0.0	179.0	1
1H	144	-8	-432	-19	0	-34	333	0.1	64.6	16.2	0.0	64.7	1
1I	144	-672	-866	51	0	-58	1931	9.2	260.8	32.4	0.0	270.0	1
1J	144	-672	-261	51	0	-58	-232	9.2	72.7	9.8	0.0	82.0	1
1K	144	-672	-866	-51	0	56	1931	9.2	259.3	32.4	0.0	268.6	1
1L	144	-672	-261	-51	0	56	-232	9.2	71.3	9.8	0.0	80.6	1
1M	144	-19	-866	51	0	-58	1931	0.3	260.8	32.4	0.0	261.0	1
1N	144	-19	-261	51	0	-58	-232	0.3	72.7	9.8	0.0	73.0	1
1O	144	-19	-866	-51	0	56	1931	0.3	259.3	32.4	0.0	259.6	1
1P	144	-19	-261	-51	0	56	-232	0.3	71.3	9.8	0.0	71.6	1
2	144	-899	-2470	13	0	-13	4620	12.4	522.1	92.4	0.0	534.5	1
7	144	-582	-1927	13	0	-14	3685	8.0	419.0	72.1	0.0	427.0	1
8	144	-758	-1942	8	0	-9	3589	10.4	404.4	72.6	0.0	414.8	1

ASTA NUM. 73 NI 772 NF 771 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-691	-870	48	0	24	1366	9.5	170.8	32.5	0.0	180.3	1	
1B	0	-691	-599	48	0	24	333	9.5	56.5	22.4	0.0	66.0	1	
1C	0	-691	-870	-46	0	-26	1366	9.5	172.7	32.5	0.0	182.2	1	
1D	0	-691	-599	-46	0	-26	333	9.5	58.4	22.4	0.0	67.9	1	
1E	0	-9	-870	48	0	24	1366	0.1	170.8	32.5	0.0	171.0	1	
1F	0	-9	-599	48	0	24	333	0.1	56.5	22.4	0.0	56.7	1	
1G	0	-9	-870	-46	0	-26	1366	0.1	172.7	32.5	0.0	172.8	1	
1H	0	-9	-599	-46	0	-26	333	0.1	58.4	22.4	0.0	58.5	1	
1I	0	-705	-1046	118	0	19	1931	9.7	228.8	39.1	0.0	238.5	1	
1J	0	-705	-424	118	0	19	-232	9.7	40.9	15.8	0.0	50.6	1	
1K	0	-705	-1046	-116	0	-21	1931	9.7	230.7	39.1	0.0	240.4	1	
1L	0	-705	-424	-116	0	-21	-232	9.7	42.7	15.8	0.0	52.4	1	
1M	0	5	-1046	118	0	19	1931	0.1	228.8	39.1	0.0	228.9	1	
1N	0	5	-424	118	0	19	-232	0.1	40.9	15.8	0.0	40.9	1	
1O	0	5	-1046	-116	0	-21	1931	0.1	230.7	39.1	0.0	230.7	1	
1P	0	5	-424	-116	0	-21	-232	0.1	42.7	15.8	0.0	42.8	1	
2	0	-928	-3575	-21	0	-6	4619	12.8	515.8	133.7	0.0	528.6	1	
7	0	-605	-2764	-23	0	-6	3684	8.3	412.1	103.4	0.0	420.4	1	
8	0	-780	-2782	-13	0	-4	3587	10.7	400.4	104.1	0.0	411.2	1	
1A	72	-692	-911	48	0	52	914	9.5	143.3	34.1	0.0	152.8	1	
1B	72	-692	-640	48	0	52	-301	9.5	75.5	23.9	0.0	85.0	1	
1C	72	-692	-911	-46	0	-56	914	9.5	146.6	34.1	0.0	156.1	1	
1D	72	-692	-640	-46	0	-56	-301	9.5	78.8	23.9	0.0	88.3	1	
1E	72	-10	-911	48	0	52	914	0.1	143.3	34.1	0.0	143.4	1	
1F	72	-10	-640	48	0	52	-301	0.1	75.5	23.9	0.0	75.6	1	
1G	72	-10	-911	-46	0	-56	914	0.1	146.6	34.1	0.0	146.7	1	
1H	72	-10	-640	-46	0	-56	-301	0.1	78.8	23.9	0.0	78.9	1	
1I	72	-706	-1087	118	0	-72	1609	9.7	237.0	40.6	0.0	246.7	1	
1J	72	-706	-465	118	0	-72	-996	9.7	169.2	17.4	0.0	178.9	1	
1K	72	-706	-1087	-116	0	68	1609	9.7	233.7	40.6	0.0	243.5	1	
1L	72	-706	-465	-116	0	68	-996	9.7	165.9	17.4	0.0	175.6	1	
1M	72	4	-1087	118	0	-72	1609	0.1	237.0	40.6	0.0	237.1	1	
1N	72	4	-465	118	0	-72	-996	0.1	169.2	17.4	0.0	169.3	1	
1O	72	4	-1087	-116	0	68	1609	0.1	233.7	40.6	0.0	233.8	1	
1P	72	4	-465	-116	0	68	-996	0.1	165.9	17.4	0.0	166.0	1	
2	72	-930	-3628	-21	0	9	2029	12.8	232.2	135.7	0.0	286.3	3	
7	72	-606	-2818	-23	0	11	1677	8.3	194.4	105.4	0.0	229.3	3	
8	72	-782	-2836	-13	0	5	1567	10.8	177.4	106.1	0.0	222.8	3	
1A	144	-693	-952	48	0	79	432	9.5	112.5	35.6	0.0	122.0	1	
1B	144	-693	-681	48	0	79	-964	9.5	171.4	25.5	0.0	180.9	1	
1C	144	-693	-952	-46	0	-85	432	9.5	117.2	35.6	0.0	126.7	1	
1D	144	-693	-681	-46	0	-85	-964	9.5	176.1	25.5	0.0	185.6	1	
1E	144	-12	-952	48	0	79	432	0.2	112.5	35.6	0.0	112.7	1	
1F	144	-12	-681	48	0	79	-964	0.2	171.4	25.5	0.0	171.5	1	
1G	144	-12	-952	-46	0	-85	432	0.2	117.2	35.6	0.0	117.4	1	
1H	144	-12	-681	-46	0	-85	-964	0.2	176.1	25.5	0.0	176.2	1	
1I	144	-707	-1128	118	0	-163	1258	9.7	272.4	42.2	0.0	282.1	1	
1J	144	-707	-506	118	0	-163	-1790	9.7	331.2	18.9	0.0	341.0	1	
1K	144	-707	-1128	-116	0	158	1258	9.7	267.7	42.2	0.0	277.4	1	
1L	144	-707	-506	-116	0	158	-1790	9.7	326.5	18.9	0.0	336.3	1	
1M	144	3	-1128	118	0	-163	1258	0.0	272.4	42.2	0.0	272.4	1	
1N	144	3	-506	118	0	-163	-1790	0.0	331.2	18.9	0.0	331.3	1	

1O	144	3	-1128	-116	0	158	1258	0.0	267.7	42.2	0.0	267.7	1
1P	144	3	-506	-116	0	158	-1790	0.0	326.5	18.9	0.0	326.6	1
2	144	-931	-3682	-21	0	25	-599	12.8	86.5	137.7	0.0	238.9	4
7	144	-608	-2871	-23	0	27	-369	8.4	63.0	107.4	0.0	186.2	4
8	144	-783	-2889	-13	0	14	-490	10.8	65.7	108.1	0.0	187.5	4

ASTA NUM. 74 NI 771 NF 780 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-709	-1109	322	0	97	432	9.8	127.0	41.5	0.0	136.8	1	
1B	0	-709	-834	322	0	97	-966	9.8	186.1	31.2	0.0	195.8	1	
1C	0	-709	-1109	-340	0	-104	432	9.8	132.3	41.5	0.0	142.0	1	
1D	0	-709	-834	-340	0	-104	-966	9.8	191.3	31.2	0.0	201.0	1	
1E	0	-4	-1109	322	0	97	432	0.1	127.0	41.5	0.0	127.1	1	
1F	0	-4	-834	322	0	97	-966	0.1	186.1	31.2	0.0	186.1	1	
1G	0	-4	-1109	-340	0	-104	432	0.1	132.3	41.5	0.0	132.3	1	
1H	0	-4	-834	-340	0	-104	-966	0.1	191.3	31.2	0.0	191.4	1	
1I	0	-761	-1289	773	0	200	1258	10.5	302.2	48.2	0.0	312.7	1	
1J	0	-761	-654	773	0	200	-1791	10.5	361.2	26.9	0.0	371.7	1	
1K	0	-761	-1289	-791	0	-207	1258	10.5	307.5	48.2	0.0	317.9	1	
1L	0	-761	-654	-791	0	-207	-1791	10.5	366.5	27.5	0.0	377.0	1	
1M	0	49	-1289	773	0	200	1258	0.7	302.2	48.2	0.0	302.9	1	
1N	0	49	-654	773	0	200	-1791	0.7	361.2	26.9	0.0	361.9	1	
1O	0	49	-1289	-791	0	-207	1258	0.7	307.5	48.2	0.0	308.1	1	
1P	0	49	-654	-791	0	-207	-1791	0.7	366.5	27.5	0.0	367.2	1	
2	0	-959	-4713	141	0	33	-602	13.2	93.4	176.3	0.0	305.7	4	
7	0	-630	-3652	156	0	36	-371	8.7	70.4	136.6	0.0	236.8	4	
8	0	-805	-3671	84	0	19	-493	11.1	69.9	137.3	0.0	238.1	4	
1A	72	-710	-1151	322	0	-135	-187	9.8	130.9	43.0	0.0	140.7	1	
1B	72	-710	-875	322	0	-135	-1773	9.8	306.4	32.7	0.0	316.1	1	
1C	72	-710	-1151	-340	0	142	-187	9.8	136.2	43.0	0.0	145.9	1	
1D	72	-710	-875	-340	0	142	-1773	9.8	311.6	32.7	0.0	321.4	1	
1E	72	-5	-1151	322	0	-135	-187	0.1	130.9	43.0	0.0	131.0	1	
1F	72	-5	-875	322	0	-135	-1773	0.1	306.4	32.7	0.0	306.4	1	
1G	72	-5	-1151	-340	0	142	-187	0.1	136.2	43.0	0.0	136.2	1	
1H	72	-5	-875	-340	0	142	-1773	0.1	311.6	32.7	0.0	311.7	1	
1I	72	-762	-1330	773	0	-356	771	10.5	375.5	49.8	0.0	386.0	1	
1J	72	-762	-695	773	0	-356	-2731	10.5	592.4	26.9	0.0	602.9	1	
1K	72	-762	-1330	-791	0	363	771	10.5	380.7	49.8	0.0	391.2	1	
1L	72	-762	-695	-791	0	363	-2731	10.5	597.6	27.5	0.0	608.1	1	
1M	72	48	-1330	773	0	-356	771	0.7	375.5	49.8	0.0	376.2	1	
1N	72	48	-695	773	0	-356	-2731	0.7	592.4	26.9	0.0	593.0	1	
1O	72	48	-1330	-791	0	363	771	0.7	380.7	49.8	0.0	381.4	1	
1P	72	48	-695	-791	0	363	-2731	0.7	597.6	27.5	0.0	598.2	1	
2	72	-961	-4766	141	0	-69	-4011	13.2	499.7	178.3	0.0	513.0	1	
7	72	-631	-3705	156	0	-76	-3016	8.7	395.9	138.6	0.0	404.6	1	
8	72	-806	-3724	84	0	-41	-3152	11.1	382.3	139.3	0.0	393.4	1	
1A	144	-711	-1192	322	0	-368	-836	9.8	392.2	44.6	0.0	402.0	1	
1B	144	-711	-916	322	0	-368	-2610	9.8	588.4	34.3	0.0	598.2	1	
1C	144	-711	-1192	-340	0	387	-836	9.8	407.9	44.6	0.0	417.6	1	
1D	144	-711	-916	-340	0	387	-2610	9.8	604.1	34.3	0.0	613.9	1	
1E	144	-6	-1192	322	0	-368	-836	0.1	392.2	44.6	0.0	392.3	1	
1F	144	-6	-916	322	0	-368	-2610	0.1	588.4	34.3	0.0	588.5	1	
1G	144	-6	-1192	-340	0	387	-836	0.1	407.9	44.6	0.0	407.9	1	
1H	144	-6	-916	-340	0	387	-2610	0.1	604.1	34.3	0.0	604.2	1	
1I	144	-764	-1371	773	0	-912	254	10.5	771.6	51.3	0.0	782.1	1	
1J	144	-764	-737	773	0	-912	-3700	10.5	1152.9	27.6	0.0	1163.4	1	
1K	144	-764	-1371	-791	0	932	254	10.5	787.3	51.3	0.0	797.8	1	
1L	144	-764	-737	-791	0	932	-3700	10.5	1168.6	27.6	0.0	1179.1	1	
1M	144	47	-1371	773	0	-912	254	0.6	771.6	51.3	0.0	772.3	1	
1N	144	47	-737	773	0	-912	-3700	0.6	1152.9	27.6	0.0	1153.5	1	
1O	144	47	-1371	-791	0	932	254	0.6	787.3	51.3	0.0	788.0	1	
1P	144	47	-737	-791	0	932	-3700	0.6	1168.6	27.6	0.0	1169.2	1	
2	144	-962	-4820	141	0	-170	-7457	13.2	963.8	180.3	0.0	977.0	1	
7	144	-632	-3758	156	0	-189	-5699	8.7	784.3	140.6	0.0	793.0	1	
8	144	-807	-3778	84	0	-101	-5849	11.1	729.6	141.3	0.0	740.8	1	

ASTA NUM. 75 NI 780 NF 415 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-730	-1320	2414	0	374	-837	10.0	397.3	83.9	0.0	407.4	1	
1B	0	-730	-1046	2414	0	374	-2611	10.0	593.7	83.9	0.0	603.7	1	
1C	0	-730	-1320	-2484	0	-355	-837	10.0	382.0	86.3	0.0	392.1	1	
1D	0	-730	-1046	-2484	0	-355	-2611	10.0	578.3	86.3	0.0	588.4	1	
1E	0	5	-1320	2414	0	374	-837	0.1	397.3	83.9	0.0	397.4	1	
1F	0	5	-1046	2414	0	374	-2611	0.1	593.7	83.9	0.0	593.7	1	
1G	0	5	-1320	-2484	0	-355	-837	0.1	382.0	86.3	0.0	382.1	1	
1H	0	5	-1046	-2484	0	-355	-2611	0.1	578.3	86.3	0.0	578.4	1	
1I	0	-820	-1499	5163	0	903	254	11.3	764.1	179.3	0.0	775.4	1	
1J	0	-820	-867	5163	0	903	-3702	11.3	1145.5	179.3	0.0	1156.8	1	

1K	0	-820	-1499	-5232	0	-884	254	11.3	748.8	181.8	0.0	760.0	1
1L	0	-820	-867	-5232	0	-884	-3702	11.3	1130.2	181.8	0.0	1141.5	1
1M	0	96	-1499	5163	0	903	254	1.3	764.1	179.3	0.0	765.4	1
1N	0	96	-867	5163	0	903	-3702	1.3	1145.5	179.3	0.0	1146.9	1
1O	0	96	-1499	-5232	0	-884	254	1.3	748.8	181.8	0.0	750.1	1
1P	0	96	-867	-5232	0	-884	-3702	1.3	1130.2	181.8	0.0	1131.5	1
2	0	-988	-5735	938	0	-165	-7463	13.6	960.3	214.5	0.0	973.9	1
7	0	-653	-4449	1030	0	-183	-5703	9.0	780.1	166.4	0.0	789.1	1
8	0	-827	-4469	567	0	-98	-5853	11.4	727.5	167.2	0.0	738.9	1
1A	12	-730	-1327	2414	0	683	-969	10.0	663.9	83.9	0.0	674.0	1
1B	12	-730	-1053	2414	0	683	-2776	10.0	863.9	83.9	0.0	873.9	1
1C	12	-730	-1327	-2484	0	-656	-969	10.0	641.5	86.3	0.0	651.6	1
1D	12	-730	-1053	-2484	0	-656	-2776	10.0	841.4	86.3	0.0	851.5	1
1E	12	5	-1327	2414	0	683	-969	0.1	663.9	83.9	0.0	664.0	1
1F	12	5	-1053	2414	0	683	-2776	0.1	863.9	83.9	0.0	863.9	1
1G	12	5	-1327	-2484	0	-656	-969	0.1	641.5	86.3	0.0	641.6	1
1H	12	5	-1053	-2484	0	-656	-2776	0.1	841.4	86.3	0.0	841.5	1
1I	12	-821	-1506	5163	0	1557	144	11.3	1284.7	179.3	0.0	1296.0	1
1J	12	-821	-874	5163	0	1557	-3889	11.3	1699.0	179.3	0.0	1710.3	1
1K	12	-821	-1506	-5232	0	-1529	144	11.3	1262.3	181.8	0.0	1273.5	1
1L	12	-821	-874	-5232	0	-1529	-3889	11.3	1676.6	181.8	0.0	1687.9	1
1M	12	96	-1506	5163	0	1557	144	1.3	1284.7	179.3	0.0	1286.0	1
1N	12	96	-874	5163	0	1557	-3889	1.3	1699.0	179.3	0.0	1700.3	1
1O	12	96	-1506	-5232	0	-1529	144	1.3	1262.3	181.8	0.0	1263.6	1
1P	12	96	-874	-5232	0	-1529	-3889	1.3	1676.6	181.8	0.0	1677.9	1
2	12	-988	-5744	938	0	-282	-8180	13.6	1135.2	214.9	0.0	1148.8	1
7	12	-653	-4458	1030	0	-312	-6260	9.0	946.6	166.8	0.0	955.6	1
8	12	-827	-4478	567	0	-169	-6412	11.4	847.2	167.5	0.0	858.6	1
1A	25	-730	-1334	2414	0	992	-1102	10.0	930.6	83.9	0.0	940.6	1
1B	25	-730	-1060	2414	0	992	-2942	10.0	1134.1	83.9	0.0	1144.2	1
1C	25	-730	-1334	-2484	0	-956	-1102	10.0	901.1	86.3	0.0	911.2	1
1D	25	-730	-1060	-2484	0	-956	-2942	10.0	1104.7	86.3	0.0	1114.7	1
1E	25	5	-1334	2414	0	992	-1102	0.1	930.6	83.9	0.0	930.7	1
1F	25	5	-1060	2414	0	992	-2942	0.1	1134.1	83.9	0.0	1134.2	1
1G	25	5	-1334	-2484	0	-956	-1102	0.1	901.1	86.3	0.0	901.2	1
1H	25	5	-1060	-2484	0	-956	-2942	0.1	1104.7	86.3	0.0	1104.7	1
1I	25	-821	-1513	5163	0	2210	34	11.3	1805.2	179.3	0.0	1816.4	1
1J	25	-821	-881	5163	0	2210	-4078	11.3	2252.6	179.3	0.0	2263.8	1
1K	25	-821	-1513	-5232	0	-2174	34	11.3	1775.7	181.8	0.0	1787.0	1
1L	25	-821	-881	-5232	0	-2174	-4078	11.3	2223.1	181.8	0.0	2234.4	1
1M	25	95	-1513	5163	0	2210	34	1.3	1805.2	179.3	0.0	1806.5	1
1N	25	95	-881	5163	0	2210	-4078	1.3	2252.6	179.3	0.0	2253.9	1
1O	25	95	-1513	-5232	0	-2174	34	1.3	1775.7	181.8	0.0	1777.0	1
1P	25	95	-881	-5232	0	-2174	-4078	1.3	2223.1	181.8	0.0	2224.4	1
2	25	-989	-5754	938	0	-400	-8899	13.6	1310.3	215.2	0.0	1323.9	1
7	25	-653	-4468	1030	0	-440	-6818	9.0	1113.3	167.1	0.0	1122.3	1
8	25	-828	-4487	567	0	-240	-6973	11.4	967.0	167.8	0.0	978.4	1

ASTA NUM. 76 NI 769 NF 766 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1970	446	190	0	225	247	27.1	210.7	16.7	0.0	237.8	1	
1B	0	-1970	909	190	0	225	134	27.1	198.3	34.0	0.0	225.4	1	
1C	0	-1970	446	-168	0	-202	247	27.1	191.5	16.7	0.0	218.6	1	
1D	0	-1970	909	-168	0	-202	134	27.1	179.1	34.0	0.0	206.2	1	
1E	0	1209	446	190	0	225	247	16.6	210.7	16.7	0.0	227.4	1	
1F	0	1209	909	190	0	225	134	16.6	198.3	34.0	0.0	214.9	1	
1G	0	1209	446	-168	0	-202	247	16.6	191.5	16.7	0.0	208.2	1	
1H	0	1209	909	-168	0	-202	134	16.6	179.1	34.0	0.0	195.7	1	
1I	0	-3861	577	467	0	573	224	53.1	491.9	21.6	0.0	545.0	1	
1J	0	-3861	778	467	0	573	157	53.1	484.5	29.1	0.0	537.6	1	
1K	0	-3861	577	-445	0	-550	224	53.1	472.7	21.6	0.0	525.8	1	
1L	0	-3861	778	-445	0	-550	157	53.1	465.3	29.1	0.0	518.4	1	
1M	0	3100	577	467	0	573	224	42.6	491.9	21.6	0.0	534.5	1	
1N	0	3100	778	467	0	573	157	42.6	484.5	29.1	0.0	527.1	1	
1O	0	3100	577	-445	0	-550	224	42.6	472.7	21.6	0.0	515.3	1	
1P	0	3100	778	-445	0	-550	157	42.6	465.3	29.1	0.0	508.0	1	
2	0	-2322	3074	138	0	168	933	31.9	239.8	115.0	0.0	271.8	1	
7	0	-1966	2417	131	0	161	727	27.0	212.0	90.4	0.0	239.0	1	
8	0	-1738	2416	95	0	114	727	23.9	173.7	90.4	0.0	197.6	1	
1A	72	-1969	405	190	0	86	886	27.1	168.2	15.2	0.0	195.3	1	
1B	72	-1969	868	190	0	86	440	27.1	118.9	32.5	0.0	146.0	1	
1C	72	-1969	405	-168	0	-79	886	27.1	162.0	15.2	0.0	189.1	1	
1D	72	-1969	868	-168	0	-79	440	27.1	112.7	32.5	0.0	139.8	1	
1E	72	1210	405	190	0	86	886	16.6	168.2	15.2	0.0	184.8	1	
1F	72	1210	868	190	0	86	440	16.6	118.9	32.5	0.0	135.6	1	
1G	72	1210	405	-168	0	-79	886	16.6	162.0	15.2	0.0	178.6	1	
1H	72	1210	868	-168	0	-79	440	16.6	112.7	32.5	0.0	129.4	1	
1I	72	-3860	536	467	0	237	768	53.1	278.0	20.1	0.0	331.1	1	
1J	72	-3860	737	467	0	237	558	53.1	254.7	27.6	0.0	307.8	1	
1K	72	-3860	536	-445	0	-229	768	53.1	271.8	20.1	0.0	324.9	1	
1L	72	-3860	737	-445	0	-229	558	53.1	248.5	27.6	0.0	301.6	1	
1M	72	3101	536	467	0	237	768	42.7	278.0	20.1	0.0	320.7	1	
1N	72	3101	737	467	0	237	558	42.7	254.7	27.6	0.0	297.4	1	
1O	72	3101	536	-445	0	-229	768	42.7	271.8	20.1	0.0	314.5	1	
1P	72	3101	737	-445	0	-229	558	42.7	248.5	27.6	0.0	291.2	1	
2	72	-2320	3020	138	0	69	3124	31.9	401.7	113.0	0.0	433.6	1	

7	72	-1965	2364	131	0	67	2446	27.0	325.2	88.4	0.0	352.3	1
8	72	-1736	2362	95	0	46	2445	23.9	308.2	88.4	0.0	332.1	1
1A	144	-1968	364	190	0	-53	1495	27.1	208.4	13.6	0.0	235.5	1
1B	144	-1968	827	190	0	-53	717	27.1	122.4	30.9	0.0	149.4	1
1C	144	-1968	364	-168	0	44	1495	27.1	201.6	13.6	0.0	228.7	1
1D	144	-1968	827	-168	0	44	717	27.1	115.5	30.9	0.0	142.6	1
1E	144	1211	364	190	0	-53	1495	16.7	208.4	13.6	0.0	225.1	1
1F	144	1211	827	190	0	-53	717	16.7	122.4	30.9	0.0	139.0	1
1G	144	1211	364	-168	0	44	1495	16.7	201.6	13.6	0.0	218.3	1
1H	144	1211	827	-168	0	44	717	16.7	115.5	30.9	0.0	132.2	1
1I	144	-3859	495	467	0	-99	1283	53.1	223.1	18.5	0.0	276.2	1
1J	144	-3859	696	467	0	-99	929	53.1	183.8	26.0	0.0	236.9	1
1K	144	-3859	495	-445	0	91	1283	53.1	216.2	18.5	0.0	269.3	1
1L	144	-3859	696	-445	0	91	929	53.1	177.0	26.0	0.0	230.1	1
1M	144	3102	495	467	0	-99	1283	42.7	223.1	18.5	0.0	265.7	1
1N	144	3102	696	467	0	-99	929	42.7	183.8	26.0	0.0	226.5	1
1O	144	3102	495	-445	0	91	1283	42.7	216.2	18.5	0.0	258.9	1
1P	144	3102	696	-445	0	91	929	42.7	177.0	26.0	0.0	219.7	1
2	144	-2319	2967	138	0	-30	5277	31.9	608.4	111.0	0.0	640.3	1
7	144	-1964	2311	131	0	-27	4127	27.0	478.9	86.4	0.0	505.9	1
8	144	-1735	2309	95	0	-22	4124	23.9	474.1	86.4	0.0	497.9	1

ASTA NUM. 77 NI 766 NF 765 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3829	286	18	0	34	1493	52.7	192.6	10.7	0.0	245.3	1	
1B	0	-3829	698	18	0	34	717	52.7	106.7	26.1	0.0	159.4	1	
1C	0	-3829	286	-23	0	-42	1493	52.7	199.7	10.7	0.0	252.4	1	
1D	0	-3829	698	-23	0	-42	717	52.7	113.8	26.1	0.0	166.5	1	
1E	0	2083	286	18	0	34	1493	28.6	192.6	10.7	0.0	221.2	1	
1F	0	2083	698	18	0	34	717	28.6	106.7	26.1	0.0	135.3	1	
1G	0	2083	286	-23	0	-42	1493	28.6	199.7	10.7	0.0	228.3	1	
1H	0	2083	698	-23	0	-42	717	28.6	113.8	26.1	0.0	142.4	1	
1I	0	-4517	416	51	0	68	1282	62.1	197.4	15.6	0.0	259.5	1	
1J	0	-4517	568	51	0	68	928	62.1	158.1	21.2	0.0	220.3	1	
1K	0	-4517	416	-56	0	-77	1282	62.1	204.5	15.6	0.0	266.6	1	
1L	0	-4517	568	-56	0	-77	928	62.1	165.2	21.2	0.0	227.4	1	
1M	0	2771	416	51	0	68	1282	38.1	197.4	15.6	0.0	235.5	1	
1N	0	2771	568	51	0	68	928	38.1	158.1	21.2	0.0	196.3	1	
1O	0	2771	416	-56	0	-77	1282	38.1	204.5	15.6	0.0	242.6	1	
1P	0	2771	568	-56	0	-77	928	38.1	165.2	21.2	0.0	203.3	1	
2	0	-4502	2192	-19	0	-27	5271	61.9	604.8	82.0	0.0	666.7	1	
7	0	-3685	1729	-17	0	-24	4123	50.7	475.3	64.7	0.0	526.0	1	
8	0	-3455	1726	-14	0	-20	4120	47.5	471.8	64.6	0.0	519.4	1	
1A	72	-3828	245	18	0	28	1980	52.7	241.6	9.2	0.0	294.3	1	
1B	72	-3828	657	18	0	28	908	52.7	123.0	24.6	0.0	175.7	1	
1C	72	-3828	245	-23	0	-33	1980	52.7	245.8	9.2	0.0	298.4	1	
1D	72	-3828	657	-23	0	-33	908	52.7	127.1	24.6	0.0	179.8	1	
1E	72	2084	245	18	0	28	1980	28.7	241.6	9.2	0.0	270.3	1	
1F	72	2084	657	18	0	28	908	28.7	123.0	24.6	0.0	151.7	1	
1G	72	2084	245	-23	0	-33	1980	28.7	245.8	9.2	0.0	274.4	1	
1H	72	2084	657	-23	0	-33	908	28.7	127.1	24.6	0.0	155.8	1	
1I	72	-4516	375	51	0	27	1676	62.1	207.3	14.0	0.0	269.4	1	
1J	72	-4516	527	51	0	27	1212	62.1	156.0	19.7	0.0	218.1	1	
1K	72	-4516	375	-56	0	-32	1676	62.1	211.5	14.0	0.0	273.6	1	
1L	72	-4516	527	-56	0	-32	1212	62.1	160.1	19.7	0.0	222.3	1	
1M	72	2772	375	51	0	27	1676	38.1	207.3	14.0	0.0	245.4	1	
1N	72	2772	527	51	0	27	1212	38.1	156.0	19.7	0.0	194.1	1	
1O	72	2772	375	-56	0	-32	1676	38.1	211.5	14.0	0.0	249.6	1	
1P	72	2772	527	-56	0	-32	1212	38.1	160.1	19.7	0.0	198.3	1	
2	72	-4501	2139	-19	0	-13	6829	61.9	766.0	80.0	0.0	827.9	1	
7	72	-3684	1676	-17	0	-11	5347	50.7	600.8	62.7	0.0	651.5	1	
8	72	-3454	1673	-14	0	-10	5342	47.5	599.0	62.6	0.0	646.5	1	
1A	144	-3827	204	18	0	22	2437	52.6	287.4	7.6	0.0	340.1	1	
1B	144	-3827	616	18	0	22	1069	52.6	136.0	23.0	0.0	188.7	1	
1C	144	-3827	204	-23	0	-23	2437	52.6	288.6	7.6	0.0	341.3	1	
1D	144	-3827	616	-23	0	-23	1069	52.6	137.2	23.0	0.0	189.9	1	
1E	144	2085	204	18	0	22	2437	28.7	287.4	7.6	0.0	316.1	1	
1F	144	2085	616	18	0	22	1069	28.7	136.0	23.0	0.0	164.7	1	
1G	144	2085	204	-23	0	-23	2437	28.7	288.6	7.6	0.0	317.3	1	
1H	144	2085	616	-23	0	-23	1069	28.7	137.2	23.0	0.0	165.9	1	
1I	144	-4515	334	51	0	-14	2039	62.1	237.3	12.5	0.0	299.4	1	
1J	144	-4515	486	51	0	-14	1467	62.1	173.9	18.2	0.0	236.0	1	
1K	144	-4515	334	-56	0	13	2039	62.1	236.1	12.5	0.0	298.2	1	
1L	144	-4515	486	-56	0	13	1467	62.1	172.7	18.2	0.0	234.8	1	
1M	144	2773	334	51	0	-14	2039	38.1	237.3	12.5	0.0	275.4	1	
1N	144	2773	486	51	0	-14	1467	38.1	173.9	18.2	0.0	212.1	1	
1O	144	2773	334	-56	0	13	2039	38.1	236.1	12.5	0.0	274.2	1	
1P	144	2773	486	-56	0	13	1467	38.1	172.7	18.2	0.0	210.9	1	
2	144	-4500	2086	-19	0	1	8348	61.9	924.2	78.0	0.0	986.1	1	
7	144	-3682	1622	-17	0	1	6532	50.6	723.2	60.7	0.0	773.8	1	
8	144	-3452	1620	-14	0	0	6526	47.5	722.1	60.6	0.0	769.6	1	

ASTA NUM. 78 NI 765 NF 764 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5193	148	8	0	25	2435	71.4	289.7	5.5	0.0	361.1	1	
1B	0	-5193	492	8	0	25	1069	71.4	138.4	18.4	0.0	209.9	1	
1C	0	-5193	148	-14	0	-27	2435	71.4	291.2	5.5	0.0	362.6	1	
1D	0	-5193	492	-14	0	-27	1069	71.4	140.0	18.4	0.0	211.4	1	
1E	0	2507	148	8	0	25	2435	34.5	289.7	5.5	0.0	324.1	1	
1F	0	2507	492	8	0	25	1069	34.5	138.4	18.4	0.0	172.9	1	
1G	0	2507	148	-14	0	-27	2435	34.5	291.2	5.5	0.0	325.7	1	
1H	0	2507	492	-14	0	-27	1069	34.5	140.0	18.4	0.0	174.5	1	
1I	0	-4372	262	24	0	32	2038	60.1	251.6	9.8	0.0	311.8	1	
1J	0	-4372	377	24	0	32	1466	60.1	188.3	14.1	0.0	248.5	1	
1K	0	-4372	262	-30	0	-34	2038	60.1	253.2	9.8	0.0	313.3	1	
1L	0	-4372	377	-30	0	-34	1466	60.1	189.9	14.1	0.0	250.0	1	
1M	0	1686	262	24	0	32	2038	23.2	251.6	9.8	0.0	274.8	1	
1N	0	1686	377	24	0	32	1466	23.2	188.3	14.1	0.0	211.5	1	
1O	0	1686	262	-30	0	-34	2038	23.2	253.2	9.8	0.0	276.4	1	
1P	0	1686	377	-30	0	-34	1466	23.2	189.9	14.1	0.0	213.1	1	
2	0	-6486	1377	-9	0	4	8344	89.2	926.3	51.5	0.0	1015.5	1	
7	0	-5191	1091	-6	0	4	6529	71.4	725.7	40.8	0.0	797.1	1	
8	0	-5038	1089	-8	0	2	6524	69.3	723.4	40.7	0.0	792.7	1	
1A	72	-5192	107	8	0	26	2771	71.4	327.5	4.0	0.0	398.9	1	
1B	72	-5192	451	8	0	26	1163	71.4	149.5	16.9	0.0	221.0	1	
1C	72	-5192	107	-14	0	-23	2771	71.4	325.7	4.0	0.0	397.1	1	
1D	72	-5192	451	-14	0	-23	1163	71.4	147.8	16.9	0.0	219.2	1	
1E	72	2508	107	8	0	26	2771	34.5	327.5	4.0	0.0	361.9	1	
1F	72	2508	451	8	0	26	1163	34.5	149.5	16.9	0.0	184.0	1	
1G	72	2508	107	-14	0	-23	2771	34.5	325.7	4.0	0.0	360.2	1	
1H	72	2508	451	-14	0	-23	1163	34.5	147.8	16.9	0.0	182.3	1	
1I	72	-4371	221	24	0	10	2287	60.1	261.0	8.3	0.0	321.1	1	
1J	72	-4371	336	24	0	10	1648	60.1	190.3	12.6	0.0	250.5	1	
1K	72	-4371	221	-30	0	-8	2287	60.1	259.2	8.3	0.0	319.4	1	
1L	72	-4371	336	-30	0	-8	1648	60.1	188.6	12.6	0.0	248.7	1	
1M	72	1687	221	24	0	10	2287	23.2	261.0	8.3	0.0	284.2	1	
1N	72	1687	336	24	0	10	1648	23.2	190.3	12.6	0.0	213.5	1	
1O	72	1687	221	-30	0	-8	2287	23.2	259.2	8.3	0.0	282.4	1	
1P	72	1687	336	-30	0	-8	1648	23.2	188.6	12.6	0.0	211.8	1	
2	72	-6484	1324	-9	0	10	9316	89.2	1039.1	49.5	0.0	1128.3	1	
7	72	-5190	1038	-6	0	8	7295	71.4	813.7	38.8	0.0	885.1	1	
8	72	-5037	1036	-8	0	7	7288	69.3	812.4	38.7	0.0	881.6	1	
1A	144	-5191	66	8	0	26	3078	71.4	362.0	2.5	0.0	433.4	1	
1B	144	-5191	410	8	0	26	1228	71.4	157.4	15.3	0.0	228.8	1	
1C	144	-5191	66	-14	0	-20	3078	71.4	357.0	2.5	0.0	428.4	1	
1D	144	-5191	410	-14	0	-20	1228	71.4	152.4	15.3	0.0	223.8	1	
1E	144	2509	66	8	0	26	3078	34.5	362.0	2.5	0.0	396.5	1	
1F	144	2509	410	8	0	26	1228	34.5	157.4	15.3	0.0	191.9	1	
1G	144	2509	66	-14	0	-20	3078	34.5	357.0	2.5	0.0	391.5	1	
1H	144	2509	410	-14	0	-20	1228	34.5	152.4	15.3	0.0	186.9	1	
1I	144	-4370	180	24	0	-12	2505	60.1	287.3	6.7	0.0	347.4	1	
1J	144	-4370	295	24	0	-12	1801	60.1	209.3	11.0	0.0	269.4	1	
1K	144	-4370	180	-30	0	19	2505	60.1	292.3	6.7	0.0	352.4	1	
1L	144	-4370	295	-30	0	19	1801	60.1	214.3	11.0	0.0	274.4	1	
1M	144	1688	180	24	0	-12	2505	23.2	287.3	6.7	0.0	310.5	1	
1N	144	1688	295	24	0	-12	1801	23.2	209.3	11.0	0.0	232.5	1	
1O	144	1688	180	-30	0	19	2505	23.2	292.3	6.7	0.0	315.5	1	
1P	144	1688	295	-30	0	19	1801	23.2	214.3	11.0	0.0	237.6	1	
2	144	-6483	1270	-9	0	17	10250	89.2	1147.6	47.5	0.0	1236.8	1	
7	144	-5189	985	-6	0	12	8022	71.4	897.5	36.8	0.0	968.9	1	
8	144	-5036	982	-8	0	13	8013	69.3	897.1	36.7	0.0	966.3	1	

ASTA NUM. 79 NI 764 NF 768 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6083	15	23	0	25	3077	83.7	360.4	0.8	0.0	444.1	1	
1B	0	-6083	295	23	0	25	1229	83.7	156.0	11.1	0.0	239.6	1	
1C	0	-6083	15	-14	0	-19	3077	83.7	355.6	0.5	0.0	439.3	1	
1D	0	-6083	295	-14	0	-19	1229	83.7	151.2	11.1	0.0	234.9	1	
1E	0	2561	15	23	0	25	3077	35.2	360.4	0.8	0.0	395.6	1	
1F	0	2561	295	23	0	25	1229	35.2	156.0	11.1	0.0	191.2	1	
1G	0	2561	15	-14	0	-19	3077	35.2	355.6	0.5	0.0	390.9	1	
1H	0	2561	295	-14	0	-19	1229	35.2	151.2	11.1	0.0	186.4	1	
1I	0	-4037	93	24	0	20	2505	55.5	293.3	3.5	0.0	348.8	1	
1J	0	-4037	217	24	0	20	1801	55.5	215.4	8.1	0.0	270.9	1	
1K	0	-4037	93	-15	0	-14	2505	55.5	288.5	3.5	0.0	344.0	1	
1L	0	-4037	217	-15	0	-14	1801	55.5	210.6	8.1	0.0	266.1	1	
1M	0	515	93	24	0	20	2505	7.1	293.3	3.5	0.0	300.3	1	
1N	0	515	217	24	0	20	1801	7.1	215.4	8.1	0.0	222.5	1	
1O	0	515	93	-15	0	-14	2505	7.1	288.5	3.5	0.0	295.6	1	
1P	0	515	217	-15	0	-14	1801	7.1	210.6	8.1	0.0	217.7	1	
2	0	-8284	598	24	0	20	10250	113.9	1150.5	22.4	0.0	1264.5	1	
7	0	-6542	482	19	0	16	8020	90.0	900.4	18.0	0.0	990.4	1	
8	0	-6473	480	18	0	15	8011	89.0	898.6	17.9	0.0	987.7	1	

1A	72	-6082	-26	23	0	30	3263	83.7	385.8	1.0	0.0	469.5	1
1B	72	-6082	254	23	0	30	1237	83.7	161.7	9.5	0.0	245.3	1
1C	72	-6082	-26	-14	0	-31	3263	83.7	386.2	1.0	0.0	469.9	1
1D	72	-6082	254	-14	0	-31	1237	83.7	162.1	9.5	0.0	245.7	1
1E	72	2562	-26	23	0	30	3263	35.2	385.8	1.0	0.0	421.1	1
1F	72	2562	254	23	0	30	1237	35.2	161.7	9.5	0.0	196.9	1
1G	72	2562	-26	-14	0	-31	3263	35.2	386.2	1.0	0.0	421.5	1
1H	72	2562	254	-14	0	-31	1237	35.2	162.1	9.5	0.0	197.3	1
1I	72	-4036	52	24	0	-3	2616	55.5	291.5	2.0	0.0	347.1	1
1J	72	-4036	176	24	0	-3	1884	55.5	210.6	6.6	0.0	266.1	1
1K	72	-4036	52	-15	0	2	2616	55.5	291.1	2.0	0.0	346.6	1
1L	72	-4036	176	-15	0	2	1884	55.5	210.2	6.6	0.0	265.7	1
1M	72	516	52	24	0	-3	2616	7.1	291.5	2.0	0.0	298.6	1
1N	72	516	176	24	0	-3	1884	7.1	210.6	6.6	0.0	217.7	1
1O	72	516	52	-15	0	2	2616	7.1	291.1	2.0	0.0	298.2	1
1P	72	516	176	-15	0	2	1884	7.1	210.2	6.6	0.0	217.3	1
2	72	-8282	545	24	0	3	10659	113.9	1181.9	20.4	0.0	1295.8	1
7	72	-6541	429	19	0	2	8348	90.0	925.4	16.0	0.0	1015.3	1
8	72	-6472	426	18	0	2	8337	89.0	924.0	15.9	0.0	1013.0	1
1A	144	-6081	-67	23	0	36	3419	83.6	408.0	2.5	0.0	491.6	1
1B	144	-6081	213	23	0	36	1215	83.6	164.1	8.0	0.0	247.7	1
1C	144	-6081	-67	-14	0	-43	3419	83.6	413.6	2.5	0.0	497.2	1
1D	144	-6081	213	-14	0	-43	1215	83.6	169.7	8.0	0.0	253.4	1
1E	144	2563	-67	23	0	36	3419	35.3	408.0	2.5	0.0	443.2	1
1F	144	2563	213	23	0	36	1215	35.3	164.1	8.0	0.0	199.4	1
1G	144	2563	-67	-14	0	-43	3419	35.3	413.6	2.5	0.0	448.9	1
1H	144	2563	213	-14	0	-43	1215	35.3	169.7	8.0	0.0	205.0	1
1I	144	-4035	11	24	0	-25	2697	55.5	318.8	0.8	0.0	374.3	1
1J	144	-4035	135	24	0	-25	1937	55.5	234.8	5.0	0.0	290.3	1
1K	144	-4035	11	-15	0	18	2697	55.5	313.2	0.5	0.0	368.7	1
1L	144	-4035	135	-15	0	18	1937	55.5	229.2	5.0	0.0	284.7	1
1M	144	517	11	24	0	-25	2697	7.1	318.8	0.8	0.0	326.0	1
1N	144	517	135	24	0	-25	1937	7.1	234.8	5.0	0.0	241.9	1
1O	144	517	11	-15	0	18	2697	7.1	313.2	0.5	0.0	320.3	1
1P	144	517	135	-15	0	18	1937	7.1	229.2	5.0	0.0	236.3	1
2	144	-8281	492	24	0	-14	11030	113.9	1231.6	18.4	0.0	1345.5	1
7	144	-6540	375	19	0	-12	8637	90.0	965.0	14.0	0.0	1055.0	1
8	144	-6470	373	18	0	-11	8624	89.0	963.0	13.9	0.0	1052.0	1

ASTA NUM. 80 NI 768 NF 730 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6288	-128	20	0	35	3419	86.5	406.5	4.8	0.0	493.0	1	
1B	0	-6288	117	20	0	35	1215	86.5	162.6	4.4	0.0	249.1	1	
1C	0	-6288	-128	-21	0	-42	3419	86.5	412.3	4.8	0.0	498.8	1	
1D	0	-6288	117	-21	0	-42	1215	86.5	168.5	4.4	0.0	254.9	1	
1E	0	2378	-128	20	0	35	3419	32.7	406.5	4.8	0.0	439.2	1	
1F	0	2378	117	20	0	35	1215	32.7	162.6	4.4	0.0	195.3	1	
1G	0	2378	-128	-21	0	-42	3419	32.7	412.3	4.8	0.0	445.0	1	
1H	0	2378	117	-21	0	-42	1215	32.7	168.5	4.4	0.0	201.2	1	
1I	0	-3351	-79	19	0	17	2697	46.1	312.2	3.0	0.0	358.3	1	
1J	0	-3351	69	19	0	17	1937	46.1	228.3	2.6	0.0	274.3	1	
1K	0	-3351	-79	-20	0	-24	2697	46.1	318.0	3.0	0.0	364.1	1	
1L	0	-3351	69	-20	0	-24	1937	46.1	234.1	2.6	0.0	280.2	1	
1M	0	-559	-79	19	0	17	2697	7.7	312.2	3.0	0.0	319.9	1	
1N	0	-559	69	19	0	17	1937	7.7	228.3	2.6	0.0	235.9	1	
1O	0	-559	-79	-20	0	-24	2697	7.7	318.0	3.0	0.0	325.7	1	
1P	0	-559	69	-20	0	-24	1937	7.7	234.1	2.6	0.0	241.8	1	
2	0	-9023	-160	2	0	-10	11030	124.1	1228.5	6.0	0.0	1352.7	1	
7	0	-7063	-111	2	0	-8	8637	97.2	961.8	4.1	0.0	1058.9	1	
8	0	-7079	-114	1	0	-9	8624	97.4	961.1	4.2	0.0	1058.5	1	
1A	37	-6287	-150	20	0	39	3445	86.5	413.2	5.6	0.0	499.7	1	
1B	37	-6287	96	20	0	39	1176	86.5	162.2	3.6	0.0	248.7	1	
1C	37	-6287	-150	-21	0	-46	3445	86.5	418.8	5.6	0.0	505.3	1	
1D	37	-6287	96	-21	0	-46	1176	86.5	167.8	3.6	0.0	254.3	1	
1E	37	2378	-150	20	0	39	3445	32.7	413.2	5.6	0.0	445.9	1	
1F	37	2378	96	20	0	39	1176	32.7	162.2	3.6	0.0	194.9	1	
1G	37	2378	-150	-21	0	-46	3445	32.7	418.8	5.6	0.0	451.5	1	
1H	37	2378	96	-21	0	-46	1176	32.7	167.8	3.6	0.0	200.5	1	
1I	37	-3350	-101	19	0	15	2689	46.1	309.4	3.8	0.0	355.4	1	
1J	37	-3350	47	19	0	15	1932	46.1	225.7	1.8	0.0	271.7	1	
1K	37	-3350	-101	-20	0	-21	2689	46.1	315.0	3.8	0.0	361.0	1	
1L	37	-3350	47	-20	0	-21	1932	46.1	231.3	1.8	0.0	277.3	1	
1M	37	-559	-101	19	0	15	2689	7.7	309.4	3.8	0.0	317.1	1	
1N	37	-559	47	19	0	15	1932	7.7	225.7	1.8	0.0	233.3	1	
1O	37	-559	-101	-20	0	-21	2689	7.7	315.0	3.8	0.0	322.7	1	
1P	37	-559	47	-20	0	-21	1932	7.7	231.3	1.8	0.0	238.9	1	
2	37	-9022	-188	2	0	-11	10965	124.1	1222.0	7.0	0.0	1346.1	1	
7	37	-7062	-138	2	0	-9	8590	97.1	957.3	5.2	0.0	1054.4	1	
8	37	-7078	-141	1	0	-9	8576	97.4	956.2	5.3	0.0	1053.6	1	
1A	75	-6287	-171	20	0	44	3463	86.5	419.1	6.4	0.0	505.5	1	
1B	75	-6287	75	20	0	44	1129	86.5	160.9	2.8	0.0	247.3	1	
1C	75	-6287	-171	-21	0	-51	3463	86.5	424.5	6.4	0.0	510.9	1	
1D	75	-6287	75	-21	0	-51	1129	86.5	166.3	2.8	0.0	252.7	1	
1E	75	2379	-171	20	0	44	3463	32.7	419.1	6.4	0.0	451.8	1	
1F	75	2379	75	20	0	44	1129	32.7	160.9	2.8	0.0	193.6	1	
1G	75	2379	-171	-21	0	-51	3463	32.7	424.5	6.4	0.0	457.2	1	

1H	75	2379	75	-21	0	-51	1129	32.7	166.3	2.8	0.0	199.0	1
1I	75	-3350	-122	19	0	12	2673	46.1	305.6	4.6	0.0	351.7	1
1J	75	-3350	26	19	0	12	1919	46.1	222.2	1.0	0.0	268.2	1
1K	75	-3350	-122	-20	0	-19	2673	46.1	311.0	4.6	0.0	357.1	1
1L	75	-3350	26	-20	0	-19	1919	46.1	227.6	1.0	0.0	273.6	1
1M	75	-558	-122	19	0	12	2673	7.7	305.6	4.6	0.0	313.3	1
1N	75	-558	26	19	0	12	1919	7.7	222.2	1.0	0.0	229.9	1
1O	75	-558	-122	-20	0	-19	2673	7.7	311.0	4.6	0.0	318.7	1
1P	75	-558	26	-20	0	-19	1919	7.7	227.6	1.0	0.0	235.2	1
2	75	-9022	-215	2	0	-12	10890	124.1	1214.4	8.1	0.0	1338.5	1
7	75	-7061	-166	2	0	-9	8533	97.1	951.7	6.2	0.0	1048.8	1
8	75	-7077	-169	1	0	-9	8518	97.3	950.1	6.3	0.0	1047.5	1

ASTA NUM. 81 NI 767 NF 763 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6177	-220	14	0	36	3409	85.0	406.7	8.2	0.0	491.7	1	
1B	0	-6177	77	14	0	36	1227	85.0	165.4	2.9	0.0	250.3	1	
1C	0	-6177	-220	-22	0	-43	3409	85.0	412.0	8.2	0.0	496.9	1	
1D	0	-6177	77	-22	0	-43	1227	85.0	170.6	2.9	0.0	255.6	1	
1E	0	2649	-220	14	0	36	3409	36.4	406.7	8.2	0.0	443.1	1	
1F	0	2649	77	14	0	36	1227	36.4	165.4	2.9	0.0	201.8	1	
1G	0	2649	-220	-22	0	-43	3409	36.4	412.0	8.2	0.0	448.4	1	
1H	0	2649	77	-22	0	-43	1227	36.4	170.6	2.9	0.0	207.1	1	
1I	0	-3975	-139	15	0	17	2671	54.7	309.2	5.2	0.0	363.9	1	
1J	0	-3975	-3	15	0	17	1965	54.7	231.0	0.5	0.0	285.7	1	
1K	0	-3975	-139	-23	0	-23	2671	54.7	314.5	5.2	0.0	369.2	1	
1L	0	-3975	-3	-23	0	-23	1965	54.7	236.3	0.8	0.0	291.0	1	
1M	0	447	-139	15	0	17	2671	6.1	309.2	5.2	0.0	315.4	1	
1N	0	447	-3	15	0	17	1965	6.1	231.0	0.5	0.0	237.2	1	
1O	0	447	-139	-23	0	-23	2671	6.1	314.5	5.2	0.0	320.7	1	
1P	0	447	-3	-23	0	-23	1965	6.1	236.3	0.8	0.0	242.5	1	
2	0	-7895	-476	-17	0	-10	11050	108.6	1230.5	17.8	0.0	1339.1	1	
7	0	-6127	-361	-12	0	-7	8655	84.3	963.6	13.5	0.0	1047.8	1	
8	0	-6227	-361	-14	0	-8	8638	85.7	962.4	13.5	0.0	1048.0	1	
1A	72	-6178	-261	14	0	31	3249	85.0	384.8	9.7	0.0	469.8	1	
1B	72	-6178	36	14	0	31	1255	85.0	164.1	1.3	0.0	249.1	1	
1C	72	-6178	-261	-22	0	-31	3249	85.0	385.0	9.7	0.0	470.0	1	
1D	72	-6178	36	-22	0	-31	1255	85.0	164.4	1.3	0.0	249.4	1	
1E	72	2648	-261	14	0	31	3249	36.4	384.8	9.7	0.0	421.2	1	
1F	72	2648	36	14	0	31	1255	36.4	164.1	1.3	0.0	200.5	1	
1G	72	2648	-261	-22	0	-31	3249	36.4	385.0	9.7	0.0	421.5	1	
1H	72	2648	36	-22	0	-31	1255	36.4	164.4	1.3	0.0	200.8	1	
1I	72	-3976	-180	15	0	1	2591	54.7	287.2	6.7	0.0	341.8	1	
1J	72	-3976	-44	15	0	1	1914	54.7	212.3	1.7	0.0	267.0	1	
1K	72	-3976	-180	-23	0	-1	2591	54.7	287.4	6.7	0.0	342.1	1	
1L	72	-3976	-44	-23	0	-1	1914	54.7	212.6	1.7	0.0	267.2	1	
1M	72	446	-180	15	0	1	2591	6.1	287.2	6.7	0.0	293.3	1	
1N	72	446	-44	15	0	1	1914	6.1	212.3	1.7	0.0	218.4	1	
1O	72	446	-180	-23	0	-1	2591	6.1	287.4	6.7	0.0	293.5	1	
1P	72	446	-44	-23	0	-1	1914	6.1	212.6	1.7	0.0	218.7	1	
2	72	-7896	-530	-17	0	3	10689	108.6	1184.7	19.8	0.0	1293.3	1	
7	72	-6128	-414	-12	0	2	8376	84.3	928.0	15.5	0.0	1012.3	1	
8	72	-6228	-414	-14	0	2	8359	85.7	926.3	15.5	0.0	1011.9	1	
1A	144	-6179	-302	14	0	26	3061	85.0	359.6	11.3	0.0	444.6	1	
1B	144	-6179	-5	14	0	26	1253	85.0	159.6	0.5	0.0	244.6	1	
1C	144	-6179	-302	-22	0	-20	3061	85.0	354.8	11.3	0.0	439.8	1	
1D	144	-6179	-5	-22	0	-20	1253	85.0	154.8	0.8	0.0	239.8	1	
1E	144	2647	-302	14	0	26	3061	36.4	359.6	11.3	0.0	396.0	1	
1F	144	2647	-5	14	0	26	1253	36.4	159.6	0.5	0.0	196.0	1	
1G	144	2647	-302	-22	0	-20	3061	36.4	354.8	11.3	0.0	391.2	1	
1H	144	2647	-5	-22	0	-20	1253	36.4	154.8	0.8	0.0	191.2	1	
1I	144	-3977	-221	15	0	-15	2480	54.7	287.0	8.3	0.0	341.7	1	
1J	144	-3977	-85	15	0	-15	1834	54.7	215.5	3.2	0.0	270.2	1	
1K	144	-3977	-221	-23	0	21	2480	54.7	291.8	8.3	0.0	346.5	1	
1L	144	-3977	-85	-23	0	21	1834	54.7	220.3	3.2	0.0	275.0	1	
1M	144	445	-221	15	0	-15	2480	6.1	287.0	8.3	0.0	293.1	1	
1N	144	445	-85	15	0	-15	1834	6.1	215.5	3.2	0.0	221.6	1	
1O	144	445	-221	-23	0	21	2480	6.1	291.8	8.3	0.0	297.9	1	
1P	144	445	-85	-23	0	21	1834	6.1	220.3	3.2	0.0	226.4	1	
2	144	-7897	-583	-17	0	15	10290	108.6	1150.7	21.8	0.0	1259.3	1	
7	144	-6130	-468	-12	0	11	8059	84.3	900.2	17.5	0.0	984.5	1	
8	144	-6230	-468	-14	0	12	8042	85.7	899.4	17.5	0.0	985.0	1	

ASTA NUM. 82 NI 763 NF 762 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5411	-413	13	0	25	3061	74.4	359.4	15.4	0.0	433.9	1	
1B	0	-5411	-61	13	0	25	1253	74.4	159.3	2.3	0.0	233.8	1	
1C	0	-5411	-413	-8	0	-20	3061	74.4	355.0	15.4	0.0	429.4	1	

1D	0	-5411	-61	-8	0	-20	1253	74.4	154.8	2.3	0.0	229.3	1
1E	0	2701	-413	13	0	25	3061	37.1	359.4	15.4	0.0	396.6	1
1F	0	2701	-61	13	0	25	1253	37.1	159.3	2.3	0.0	196.5	1
1G	0	2701	-413	-8	0	-20	3061	37.1	355.0	15.4	0.0	392.1	1
1H	0	2701	-61	-8	0	-20	1253	37.1	154.8	2.3	0.0	192.0	1
1I	0	-4352	-300	29	0	17	2481	59.9	288.1	11.2	0.0	348.0	1
1J	0	-4352	-174	29	0	17	1833	59.9	216.5	6.5	0.0	276.4	1
1K	0	-4352	-300	-24	0	-11	2481	59.9	283.6	11.2	0.0	343.5	1
1L	0	-4352	-174	-24	0	-11	1833	59.9	212.0	6.5	0.0	271.9	1
1M	0	1642	-300	29	0	17	2481	22.6	288.1	11.2	0.0	310.7	1
1N	0	1642	-174	29	0	17	1833	22.6	216.5	6.5	0.0	239.1	1
1O	0	1642	-300	-24	0	-11	2481	22.6	283.6	11.2	0.0	306.2	1
1P	0	1642	-174	-24	0	-11	1833	22.6	212.0	6.5	0.0	234.6	1
2	0	-5740	-1265	17	0	19	10290	79.0	1153.6	47.3	0.0	1232.6	1
7	0	-4394	-979	14	0	14	8060	60.4	903.4	36.6	0.0	963.9	1
8	0	-4571	-978	12	0	14	8044	62.9	901.4	36.6	0.0	964.2	1
1A	72	-5412	-454	13	0	27	2756	74.4	326.9	17.0	0.0	401.4	1
1B	72	-5412	-102	13	0	27	1189	74.4	153.6	3.8	0.0	228.0	1
1C	72	-5412	-454	-8	0	-25	2756	74.4	325.1	17.0	0.0	399.6	1
1D	72	-5412	-102	-8	0	-25	1189	74.4	151.8	3.8	0.0	226.3	1
1E	72	2700	-454	13	0	27	2756	37.1	326.9	17.0	0.0	364.1	1
1F	72	2700	-102	13	0	27	1189	37.1	153.6	3.8	0.0	190.7	1
1G	72	2700	-454	-8	0	-25	2756	37.1	325.1	17.0	0.0	362.3	1
1H	72	2700	-102	-8	0	-25	1189	37.1	151.8	3.8	0.0	188.9	1
1I	72	-4353	-341	29	0	-9	2266	59.9	258.3	12.8	0.0	318.2	1
1J	72	-4353	-215	29	0	-9	1679	59.9	193.4	8.0	0.0	253.2	1
1K	72	-4353	-341	-24	0	12	2266	59.9	260.1	12.8	0.0	320.0	1
1L	72	-4353	-215	-24	0	12	1679	59.9	195.2	8.0	0.0	255.0	1
1M	72	1641	-341	29	0	-9	2266	22.6	258.3	12.8	0.0	280.9	1
1N	72	1641	-215	29	0	-9	1679	22.6	193.4	8.0	0.0	215.9	1
1O	72	1641	-341	-24	0	12	2266	22.6	260.1	12.8	0.0	282.7	1
1P	72	1641	-215	-24	0	12	1679	22.6	195.2	8.0	0.0	217.7	1
2	72	-5742	-1318	17	0	6	9361	79.0	1040.8	49.3	0.0	1119.8	1
7	72	-4396	-1033	14	0	4	7337	60.5	815.0	38.6	0.0	875.5	1
8	72	-4572	-1031	12	0	5	7322	62.9	814.1	38.6	0.0	877.0	1
1A	144	-5413	-495	13	0	29	2420	74.5	291.2	18.5	0.0	365.6	1
1B	144	-5413	-143	13	0	29	1096	74.5	144.6	5.4	0.0	219.1	1
1C	144	-5413	-495	-8	0	-30	2420	74.5	292.1	18.5	0.0	366.5	1
1D	144	-5413	-143	-8	0	-30	1096	74.5	145.5	5.4	0.0	220.0	1
1E	144	2699	-495	13	0	29	2420	37.1	291.2	18.5	0.0	328.3	1
1F	144	2699	-143	13	0	29	1096	37.1	144.6	5.4	0.0	181.7	1
1G	144	2699	-495	-8	0	-30	2420	37.1	292.1	18.5	0.0	329.2	1
1H	144	2699	-143	-8	0	-30	1096	37.1	145.5	5.4	0.0	182.7	1
1I	144	-4354	-382	29	0	-36	2021	59.9	252.6	14.3	0.0	312.5	1
1J	144	-4354	-256	29	0	-36	1495	59.9	194.3	9.6	0.0	254.2	1
1K	144	-4354	-382	-24	0	34	2021	59.9	251.7	14.3	0.0	311.6	1
1L	144	-4354	-256	-24	0	34	1495	59.9	193.4	9.6	0.0	253.3	1
1M	144	1640	-382	29	0	-36	2021	22.6	252.6	14.3	0.0	275.1	1
1N	144	1640	-256	29	0	-36	1495	22.6	194.3	9.6	0.0	216.9	1
1O	144	1640	-382	-24	0	34	2021	22.6	251.7	14.3	0.0	274.2	1
1P	144	1640	-256	-24	0	34	1495	22.6	193.4	9.6	0.0	216.0	1
2	144	-5743	-1371	17	0	-6	8393	79.0	933.3	51.3	0.0	1012.2	1
7	144	-4397	-1086	14	0	-6	6575	60.5	732.5	40.6	0.0	793.0	1
8	144	-4574	-1084	12	0	-4	6561	62.9	729.1	40.5	0.0	792.0	1

ASTA NUM. 83 NI 762 NF 761 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4158	-613	26	0	24	2421	57.2	287.8	22.9	0.0	345.0	1	
1B	0	-4158	-208	26	0	24	1095	57.2	141.1	7.8	0.0	198.3	1	
1C	0	-4158	-613	-18	0	-26	2421	57.2	288.9	22.9	0.0	346.1	1	
1D	0	-4158	-208	-18	0	-26	1095	57.2	142.2	7.8	0.0	199.4	1	
1E	0	2360	-613	26	0	24	2421	32.5	287.8	22.9	0.0	320.3	1	
1F	0	2360	-208	26	0	24	1095	32.5	141.1	7.8	0.0	173.6	1	
1G	0	2360	-613	-18	0	-26	2421	32.5	288.9	22.9	0.0	321.4	1	
1H	0	2360	-208	-18	0	-26	1095	32.5	142.2	7.8	0.0	174.6	1	
1I	0	-4539	-480	58	0	15	2021	62.4	235.6	18.0	0.0	298.0	1	
1J	0	-4539	-341	58	0	15	1495	62.4	177.3	12.7	0.0	239.7	1	
1K	0	-4539	-480	-50	0	-16	2021	62.4	236.7	18.0	0.0	299.1	1	
1L	0	-4539	-341	-50	0	-16	1495	62.4	178.4	12.7	0.0	240.8	1	
1M	0	2741	-480	58	0	15	2021	37.7	235.6	18.0	0.0	273.3	1	
1N	0	2741	-341	58	0	15	1495	37.7	177.3	12.7	0.0	215.0	1	
1O	0	2741	-480	-50	0	-16	2021	37.7	236.7	18.0	0.0	274.4	1	
1P	0	2741	-341	-50	0	-16	1495	37.7	178.4	12.7	0.0	216.1	1	
2	0	-3439	-2093	7	0	-2	8396	47.3	930.4	78.3	0.0	977.7	1	
7	0	-2548	-1629	4	0	-2	6578	35.0	729.5	60.9	0.0	764.6	1	
8	0	-2794	-1625	7	0	-1	6564	38.4	727.4	60.8	0.0	765.8	1	
1A	72	-4160	-654	26	0	27	1966	57.2	239.2	24.4	0.0	296.4	1	
1B	72	-4160	-249	26	0	27	930	57.2	124.6	9.3	0.0	181.8	1	
1C	72	-4160	-654	-18	0	-34	1966	57.2	245.0	24.4	0.0	302.2	1	
1D	72	-4160	-249	-18	0	-34	930	57.2	130.4	9.3	0.0	187.6	1	
1E	72	2359	-654	26	0	27	1966	32.5	239.2	24.4	0.0	271.7	1	
1F	72	2359	-249	26	0	27	930	32.5	124.6	9.3	0.0	157.1	1	
1G	72	2359	-654	-18	0	-34	1966	32.5	245.0	24.4	0.0	277.5	1	
1H	72	2359	-249	-18	0	-34	930	32.5	130.4	9.3	0.0	162.9	1	
1I	72	-4540	-521	58	0	-31	1662	62.4	209.1	19.5	0.0	271.6	1	
1J	72	-4540	-382	58	0	-31	1235	62.4	161.9	14.3	0.0	224.3	1	

1K	72	-4540	-521	-50	0	24	1662	62.4	203.3	19.5	0.0	265.8	1
1L	72	-4540	-382	-50	0	24	1235	62.4	156.1	14.3	0.0	218.5	1
1M	72	2740	-521	58	0	-31	1662	37.7	209.1	19.5	0.0	246.8	1
1N	72	2740	-382	58	0	-31	1235	37.7	161.9	14.3	0.0	199.5	1
1O	72	2740	-521	-50	0	24	1662	37.7	203.3	19.5	0.0	241.0	1
1P	72	2740	-382	-50	0	24	1235	37.7	156.1	14.3	0.0	193.8	1
2	72	-3440	-2146	7	0	-7	6872	47.3	765.8	80.3	0.0	813.2	1
7	72	-2550	-1682	4	0	-5	5388	35.1	599.9	62.9	0.0	635.0	1
8	72	-2796	-1678	7	0	-6	5376	38.5	600.0	62.8	0.0	638.5	1
1A	144	-4161	-695	26	0	29	1482	57.2	187.4	26.0	0.0	244.6	1
1B	144	-4161	-290	26	0	29	736	57.2	104.9	10.9	0.0	162.1	1
1C	144	-4161	-695	-18	0	-42	1482	57.2	197.9	26.0	0.0	255.1	1
1D	144	-4161	-290	-18	0	-42	736	57.2	115.4	10.9	0.0	172.6	1
1E	144	2358	-695	26	0	29	1482	32.4	187.4	26.0	0.0	219.8	1
1F	144	2358	-290	26	0	29	736	32.4	104.9	10.9	0.0	137.3	1
1G	144	2358	-695	-18	0	-42	1482	32.4	197.9	26.0	0.0	230.3	1
1H	144	2358	-290	-18	0	-42	736	32.4	115.4	10.9	0.0	147.8	1
1I	144	-4541	-562	58	0	-77	1273	62.5	203.3	21.0	0.0	265.8	1
1J	144	-4541	-423	58	0	-77	945	62.5	167.1	15.8	0.0	229.5	1
1K	144	-4541	-562	-50	0	64	1273	62.5	192.8	21.0	0.0	255.3	1
1L	144	-4541	-423	-50	0	64	945	62.5	156.6	15.8	0.0	219.0	1
1M	144	2738	-562	58	0	-77	1273	37.7	203.3	21.0	0.0	241.0	1
1N	144	2738	-423	58	0	-77	945	37.7	167.1	15.8	0.0	204.8	1
1O	144	2738	-562	-50	0	64	1273	37.7	192.8	21.0	0.0	230.5	1
1P	144	2738	-423	-50	0	64	945	37.7	156.6	15.8	0.0	194.2	1
2	144	-3442	-2199	7	0	-12	5310	47.3	597.0	82.3	0.0	644.4	1
7	144	-2551	-1735	4	0	-7	4159	35.1	466.1	64.9	0.0	501.2	1
8	144	-2797	-1732	7	0	-11	4150	38.5	468.4	64.8	0.0	506.9	1

ASTA NUM. 84 NI 761 NF 770 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2350	-821	151	0	38	1484	32.3	195.2	30.7	0.0	227.5	1	
1B	0	-2350	-374	151	0	38	736	32.3	112.5	14.0	0.0	144.9	1	
1C	0	-2350	-821	-182	0	-51	1484	32.3	206.0	30.7	0.0	238.4	1	
1D	0	-2350	-374	-182	0	-51	736	32.3	123.4	14.0	0.0	155.7	1	
1E	0	1467	-821	151	0	38	1484	20.2	195.2	30.7	0.0	215.4	1	
1F	0	1467	-374	151	0	38	736	20.2	112.5	14.0	0.0	132.7	1	
1G	0	1467	-821	-182	0	-51	1484	20.2	206.0	30.7	0.0	226.2	1	
1H	0	1467	-374	-182	0	-51	736	20.2	123.4	14.0	0.0	143.6	1	
1I	0	-3962	-690	430	0	86	1274	54.5	211.0	25.8	0.0	265.5	1	
1J	0	-3962	-505	430	0	86	946	54.5	174.8	18.9	0.0	229.3	1	
1K	0	-3962	-690	-462	0	-99	1274	54.5	221.8	25.8	0.0	276.3	1	
1L	0	-3962	-505	-462	0	-99	946	54.5	185.6	18.9	0.0	240.1	1	
1M	0	3078	-690	430	0	86	1274	42.3	211.0	25.8	0.0	253.3	1	
1N	0	3078	-505	430	0	86	946	42.3	174.8	18.9	0.0	217.1	1	
1O	0	3078	-690	-462	0	-99	1274	42.3	221.8	25.8	0.0	264.2	1	
1P	0	3078	-505	-462	0	-99	946	42.3	185.6	18.9	0.0	228.0	1	
2	0	-1324	-2986	23	0	-8	5315	18.2	594.5	111.7	0.0	612.8	1	
7	0	-893	-2328	41	0	-3	4163	12.3	463.3	87.1	0.0	475.6	1	
8	0	-1135	-2324	4	0	-9	4154	15.6	467.0	86.9	0.0	482.6	1	
1A	72	-2351	-862	151	0	-74	879	32.3	157.2	32.2	0.0	189.5	1	
1B	72	-2351	-415	151	0	-74	453	32.3	110.1	15.5	0.0	142.4	1	
1C	72	-2351	-862	-182	0	83	879	32.3	164.7	32.2	0.0	197.0	1	
1D	72	-2351	-415	-182	0	83	453	32.3	117.5	15.5	0.0	149.9	1	
1E	72	1466	-862	151	0	-74	879	20.2	157.2	32.2	0.0	177.4	1	
1F	72	1466	-415	151	0	-74	453	20.2	110.1	15.5	0.0	130.2	1	
1G	72	1466	-862	-182	0	83	879	20.2	164.7	32.2	0.0	184.8	1	
1H	72	1466	-415	-182	0	83	453	20.2	117.5	15.5	0.0	137.7	1	
1I	72	-3963	-731	430	0	-224	763	54.5	267.3	27.3	0.0	321.9	1	
1J	72	-3963	-546	430	0	-224	568	54.5	245.8	20.4	0.0	300.3	1	
1K	72	-3963	-731	-462	0	234	763	54.5	274.8	27.3	0.0	329.3	1	
1L	72	-3963	-546	-462	0	234	568	54.5	253.3	20.4	0.0	307.8	1	
1M	72	3077	-731	430	0	-224	763	42.3	267.3	27.3	0.0	309.7	1	
1N	72	3077	-546	430	0	-224	568	42.3	245.8	20.4	0.0	288.1	1	
1O	72	3077	-731	-462	0	234	763	42.3	274.8	27.3	0.0	317.1	1	
1P	72	3077	-546	-462	0	234	568	42.3	253.3	20.4	0.0	295.6	1	
2	72	-1326	-3039	23	0	-25	3149	18.2	368.4	113.7	0.0	386.6	1	
7	72	-895	-2382	41	0	-33	2470	12.3	299.9	89.1	0.0	312.2	1	
8	72	-1136	-2377	4	0	-12	2464	15.6	282.5	88.9	0.0	298.2	1	
1A	144	-2352	-903	151	0	-185	244	32.4	178.1	33.8	0.0	210.4	1	
1B	144	-2352	-456	151	0	-185	139	32.4	166.4	17.1	0.0	198.8	1	
1C	144	-2352	-903	-182	0	217	244	32.4	203.8	33.8	0.0	236.2	1	
1D	144	-2352	-456	-182	0	217	139	32.4	192.2	17.1	0.0	224.6	1	
1E	144	1465	-903	151	0	-185	244	20.2	178.1	33.8	0.0	198.2	1	
1F	144	1465	-456	151	0	-185	139	20.2	166.4	17.1	0.0	186.6	1	
1G	144	1465	-903	-182	0	217	244	20.2	203.8	33.8	0.0	224.0	1	
1H	144	1465	-456	-182	0	217	139	20.2	192.2	17.1	0.0	212.4	1	
1I	144	-3964	-772	430	0	-535	223	54.5	460.6	28.9	0.0	515.1	1	
1J	144	-3964	-587	430	0	-535	161	54.5	453.7	22.0	0.0	508.2	1	
1K	144	-3964	-772	-462	0	567	223	54.5	486.4	28.9	0.0	540.9	1	
1L	144	-3964	-587	-462	0	567	161	54.5	479.5	22.0	0.0	534.0	1	
1M	144	3076	-772	430	0	-535	223	42.3	460.6	28.9	0.0	502.9	1	
1N	144	3076	-587	430	0	-535	161	42.3	453.7	22.0	0.0	496.0	1	
1O	144	3076	-772	-462	0	567	223	42.3	486.4	28.9	0.0	528.7	1	
1P	144	3076	-587	-462	0	567	161	42.3	479.5	22.0	0.0	521.8	1	
2	144	-1327	-3092	23	0	-41	945	18.3	138.0	115.7	0.0	201.3	4	

7	144	-896	-2435	41	0	-62	738	12.3	132.3	91.1	0.0	158.4	4
8	144	-1137	-2430	4	0	-15	736	15.6	93.9	90.9	0.0	158.3	4

ASTA NUM. 85 NI 770 NF 414 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1523	-1031	1071	0	212	246	20.9	200.0	38.6	0.0	221.0	1	
1B	0	-1523	-576	1071	0	212	140	20.9	188.2	37.2	0.0	209.2	1	
1C	0	-1523	-1031	-945	0	-180	246	20.9	174.2	38.6	0.0	195.1	1	
1D	0	-1523	-576	-945	0	-180	140	20.9	162.4	32.8	0.0	183.4	1	
1E	0	1057	-1031	1071	0	212	246	14.5	200.0	38.6	0.0	214.6	1	
1F	0	1057	-576	1071	0	212	140	14.5	188.2	37.2	0.0	202.8	1	
1G	0	1057	-1031	-945	0	-180	246	14.5	174.2	38.6	0.0	188.7	1	
1H	0	1057	-576	-945	0	-180	140	14.5	162.4	32.8	0.0	177.0	1	
1I	0	-3691	-903	1079	0	554	223	50.8	476.1	37.5	0.0	526.9	1	
1J	0	-3691	-704	1079	0	554	163	50.8	469.4	37.5	0.0	520.2	1	
1K	0	-3691	-903	-953	0	-522	223	50.8	450.3	33.8	0.0	501.1	1	
1L	0	-3691	-704	-953	0	-522	163	50.8	443.6	33.1	0.0	494.3	1	
1M	0	3226	-903	1079	0	554	223	44.4	476.1	37.5	0.0	520.5	1	
1N	0	3226	-704	1079	0	554	163	44.4	469.4	37.5	0.0	513.8	1	
1O	0	3226	-903	-953	0	-522	223	44.4	450.3	33.8	0.0	494.7	1	
1P	0	3226	-704	-953	0	-522	163	44.4	443.6	33.1	0.0	487.9	1	
2	0	-361	-3973	434	0	-38	951	5.0	136.4	148.6	0.0	257.5	4	
7	0	-151	-3100	313	0	-59	743	2.1	130.6	116.0	0.0	200.9	4	
8	0	-376	-3095	334	0	-13	741	5.2	92.9	115.8	0.0	200.6	4	
1A	12	-1523	-1038	1071	0	315	115	20.9	269.6	38.8	0.0	290.6	1	
1B	12	-1523	-583	1071	0	315	70	20.9	264.7	37.2	0.0	285.6	1	
1C	12	-1523	-1038	-945	0	-299	115	20.9	256.6	38.8	0.0	277.5	1	
1D	12	-1523	-583	-945	0	-299	70	20.9	251.6	32.8	0.0	272.6	1	
1E	12	1057	-1038	1071	0	315	115	14.5	269.6	38.8	0.0	284.2	1	
1F	12	1057	-583	1071	0	315	70	14.5	264.7	37.2	0.0	279.2	1	
1G	12	1057	-1038	-945	0	-299	115	14.5	256.6	38.8	0.0	271.1	1	
1H	12	1057	-583	-945	0	-299	70	14.5	251.6	32.8	0.0	266.2	1	
1I	12	-3691	-910	1079	0	666	112	50.8	554.9	37.5	0.0	605.7	1	
1J	12	-3691	-711	1079	0	666	72	50.8	550.6	37.5	0.0	601.3	1	
1K	12	-3691	-910	-953	0	-650	112	50.8	541.9	34.0	0.0	592.7	1	
1L	12	-3691	-711	-953	0	-650	72	50.8	537.5	33.1	0.0	588.3	1	
1M	12	3225	-910	1079	0	666	112	44.4	554.9	37.5	0.0	599.3	1	
1N	12	3225	-711	1079	0	666	72	44.4	550.6	37.5	0.0	594.9	1	
1O	12	3225	-910	-953	0	-650	112	44.4	541.9	34.0	0.0	586.3	1	
1P	12	3225	-711	-953	0	-650	72	44.4	537.5	33.1	0.0	581.9	1	
2	12	-361	-3982	434	0	-93	454	5.0	125.7	149.0	0.0	258.2	4	
7	12	-151	-3110	313	0	-99	355	2.1	119.6	116.3	0.0	201.5	4	
8	12	-376	-3104	334	0	-55	354	5.2	84.1	116.1	0.0	201.3	4	
1A	25	-1523	-1045	1071	0	419	-18	20.9	343.1	39.1	0.0	364.0	1	
1B	25	-1523	-590	1071	0	419	-1	20.9	341.3	37.2	0.0	362.2	1	
1C	25	-1523	-1045	-945	0	-418	-18	20.9	342.8	39.1	0.0	363.8	1	
1D	25	-1523	-590	-945	0	-418	-1	20.9	341.0	32.8	0.0	362.0	1	
1E	25	1057	-1045	1071	0	419	-18	14.5	343.1	39.1	0.0	357.6	1	
1F	25	1057	-590	1071	0	419	-1	14.5	341.3	37.2	0.0	355.8	1	
1G	25	1057	-1045	-945	0	-418	-18	14.5	342.8	39.1	0.0	357.4	1	
1H	25	1057	-590	-945	0	-418	-1	14.5	341.0	32.8	0.0	355.6	1	
1I	25	-3691	-917	1079	0	778	-0	50.8	633.8	37.5	0.0	684.5	1	
1J	25	-3691	-718	1079	0	778	-19	50.8	635.8	37.5	0.0	686.6	1	
1K	25	-3691	-917	-953	0	-777	-0	50.8	633.5	34.3	0.0	684.3	1	
1L	25	-3691	-718	-953	0	-777	-19	50.8	635.5	33.1	0.0	686.3	1	
1M	25	3225	-917	1079	0	778	-0	44.4	633.8	37.5	0.0	678.1	1	
1N	25	3225	-718	1079	0	778	-19	44.4	635.8	37.5	0.0	680.2	1	
1O	25	3225	-917	-953	0	-777	-0	44.4	633.5	34.3	0.0	677.9	1	
1P	25	3225	-718	-953	0	-777	-19	44.4	635.5	33.1	0.0	679.9	1	
2	25	-362	-3992	434	0	-147	-44	5.0	124.5	149.3	0.0	258.9	4	
7	25	-152	-3119	313	0	-138	-34	2.1	116.0	116.7	0.0	202.2	4	
8	25	-377	-3114	334	0	-97	-35	5.2	82.8	116.5	0.0	201.9	4	

ASTA NUM. 86 NI 739 NF 861 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1030	130	18	0	41	-39	14.2	38.0	4.9	0.0	52.1	1	
1B	0	-1030	182	18	0	41	-173	14.2	52.7	6.8	0.0	66.9	1	
1C	0	-1030	130	-32	0	-46	-39	14.2	41.6	4.9	0.0	55.8	1	
1D	0	-1030	182	-32	0	-46	-173	14.2	56.4	6.8	0.0	70.5	1	
1E	0	1403	130	18	0	41	-39	19.3	38.0	4.9	0.0	57.3	1	
1F	0	1403	182	18	0	41	-173	19.3	52.7	6.8	0.0	72.0	1	
1G	0	1403	130	-32	0	-46	-39	19.3	41.6	4.9	0.0	60.9	1	
1H	0	1403	182	-32	0	-46	-173	19.3	56.4	6.8	0.0	75.7	1	
1I	0	-1155	116	8	0	14	11	15.9	12.6	4.4	0.0	28.5	1	
1J	0	-1155	195	8	0	14	-223	15.9	36.1	7.3	0.0	52.0	1	
1K	0	-1155	116	-22	0	-18	11	15.9	16.3	4.4	0.0	32.2	1	
1L	0	-1155	195	-22	0	-18	-223	15.9	39.7	7.3	0.0	55.6	1	
1M	0	1529	116	8	0	14	11	21.0	12.6	4.4	0.0	33.7	1	

1N	0	1529	195	8	0	14	-223	21.0	36.1	7.3	0.0	57.1	1
1O	0	1529	116	-22	0	-18	11	21.0	16.3	4.4	0.0	37.3	1
1P	0	1529	195	-22	0	-18	-223	21.0	39.7	7.3	0.0	60.8	1
2	0	-94	426	-32	0	-11	-193	1.3	30.1	15.9	0.0	31.4	1
7	0	-134	354	-26	0	-9	-161	1.8	25.0	13.2	0.0	26.8	1
8	0	-103	342	-24	0	-8	-129	1.4	21.0	12.8	0.0	22.8	3
1A	72	-1031	89	18	0	31	40	14.2	30.0	3.3	0.0	44.1	1
1B	72	-1031	141	18	0	31	-57	14.2	31.9	5.3	0.0	46.1	1
1C	72	-1031	89	-32	0	-26	40	14.2	25.8	3.3	0.0	40.0	1
1D	72	-1031	141	-32	0	-26	-57	14.2	27.7	5.3	0.0	41.9	1
1E	72	1402	89	18	0	31	40	19.3	30.0	3.3	0.0	49.2	1
1F	72	1402	141	18	0	31	-57	19.3	31.9	5.3	0.0	51.2	1
1G	72	1402	89	-32	0	-26	40	19.3	25.8	3.3	0.0	45.1	1
1H	72	1402	141	-32	0	-26	-57	19.3	27.7	5.3	0.0	47.0	1
1I	72	-1156	75	8	0	5	80	15.9	12.6	2.8	0.0	28.5	1
1J	72	-1156	154	8	0	5	-98	15.9	14.5	5.8	0.0	30.4	1
1K	72	-1156	75	-22	0	1	80	15.9	9.3	2.8	0.0	25.2	1
1L	72	-1156	154	-22	0	1	-98	15.9	11.2	5.8	0.0	27.1	1
1M	72	1528	75	8	0	5	80	21.0	12.6	2.8	0.0	33.6	1
1N	72	1528	154	8	0	5	-98	21.0	14.5	5.8	0.0	35.5	1
1O	72	1528	75	-22	0	1	80	21.0	9.3	2.8	0.0	30.3	1
1P	72	1528	154	-22	0	1	-98	21.0	11.2	5.8	0.0	32.3	1
2	72	-96	372	-32	0	12	93	1.3	20.1	13.9	0.0	24.2	4
7	72	-136	300	-26	0	10	74	1.9	16.1	11.2	0.0	19.6	4
8	72	-105	289	-24	0	9	98	1.4	18.4	10.8	0.0	19.9	1
1A	144	-1032	48	18	0	22	89	14.2	27.4	1.8	0.0	41.6	1
1B	144	-1032	100	18	0	22	29	14.2	20.8	3.7	0.0	35.0	1
1C	144	-1032	48	-32	0	-7	89	14.2	15.4	1.8	0.0	29.6	1
1D	144	-1032	100	-32	0	-7	29	14.2	8.8	3.7	0.0	23.0	1
1E	144	1401	48	18	0	22	89	19.3	27.4	1.8	0.0	46.7	1
1F	144	1401	100	18	0	22	29	19.3	20.8	3.7	0.0	40.1	1
1G	144	1401	48	-32	0	-7	89	19.3	15.4	1.8	0.0	34.7	1
1H	144	1401	100	-32	0	-7	29	19.3	8.8	3.7	0.0	28.1	1
1I	144	-1158	34	8	0	-5	120	15.9	17.2	1.3	0.0	33.2	1
1J	144	-1158	113	8	0	-5	-1	15.9	4.1	4.2	0.0	20.1	1
1K	144	-1158	34	-22	0	20	120	15.9	29.2	1.3	0.0	45.1	1
1L	144	-1158	113	-22	0	20	-1	15.9	16.1	4.2	0.0	32.0	1
1M	144	1527	34	8	0	-5	120	21.0	17.2	1.3	0.0	38.2	1
1N	144	1527	113	8	0	-5	-1	21.0	4.1	4.2	0.0	25.2	1
1O	144	1527	34	-22	0	20	120	21.0	29.2	1.3	0.0	50.2	1
1P	144	1527	113	-22	0	20	-1	21.0	16.1	4.2	0.0	37.1	1
2	144	-97	319	-32	0	35	342	1.3	66.1	11.9	0.0	67.4	1
7	144	-137	247	-26	0	28	271	1.9	52.9	9.2	0.0	54.8	1
8	144	-106	236	-24	0	27	286	1.5	53.6	8.8	0.0	55.1	1

ASTA NUM. 87 NI 861 NF 860 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1017	-13	33	0	22	89	14.0	27.4	1.1	0.0	41.4	1	
1B	0	-1017	26	33	0	22	29	14.0	20.8	1.1	0.0	34.8	1	
1C	0	-1017	-13	-21	0	-6	89	14.0	14.6	0.7	0.0	28.6	1	
1D	0	-1017	26	-21	0	-6	29	14.0	8.0	1.0	0.0	22.0	1	
1E	0	1382	-13	33	0	22	89	19.0	27.4	1.1	0.0	46.4	1	
1F	0	1382	26	33	0	22	29	19.0	20.8	1.1	0.0	39.8	1	
1G	0	1382	-13	-21	0	-6	89	19.0	14.6	0.7	0.0	33.6	1	
1H	0	1382	26	-21	0	-6	29	19.0	8.0	1.0	0.0	27.0	1	
1I	0	-1123	-34	23	0	14	119	15.4	24.8	1.3	0.0	40.2	1	
1J	0	-1123	47	23	0	14	-2	15.4	11.8	1.8	0.0	27.2	1	
1K	0	-1123	-34	-11	0	1	119	15.4	14.4	1.3	0.0	29.8	1	
1L	0	-1123	47	-11	0	1	-2	15.4	1.4	1.8	0.0	16.8	1	
1M	0	1488	-34	23	0	14	119	20.5	24.8	1.3	0.0	45.3	1	
1N	0	1488	47	23	0	14	-2	20.5	11.8	1.8	0.0	32.3	1	
1O	0	1488	-34	-11	0	1	119	20.5	14.4	1.3	0.0	34.9	1	
1P	0	1488	47	-11	0	1	-2	20.5	1.4	1.8	0.0	21.9	1	
2	0	-106	-150	22	0	34	340	1.5	65.0	5.6	0.0	66.5	1	
7	0	-142	-108	17	0	26	269	2.0	51.2	4.1	0.0	53.1	1	
8	0	-113	-119	18	0	27	285	1.6	53.3	4.5	0.0	54.8	1	
1A	72	-1018	-54	33	0	-2	65	14.0	9.2	2.0	0.0	23.2	1	
1B	72	-1018	-15	33	0	-2	33	14.0	5.7	1.1	0.0	19.7	1	
1C	72	-1018	-54	-21	0	10	65	14.0	15.1	2.0	0.0	29.1	1	
1D	72	-1018	-15	-21	0	10	33	14.0	11.6	0.7	0.0	25.6	1	
1E	72	1381	-54	33	0	-2	65	19.0	9.2	2.0	0.0	28.2	1	
1F	72	1381	-15	33	0	-2	33	19.0	5.7	1.1	0.0	24.7	1	
1G	72	1381	-54	-21	0	10	65	19.0	15.1	2.0	0.0	34.1	1	
1H	72	1381	-15	-21	0	10	33	19.0	11.6	0.7	0.0	30.6	1	
1I	72	-1124	-75	23	0	-2	80	15.5	10.8	2.8	0.0	26.2	1	
1J	72	-1124	6	23	0	-2	17	15.5	3.8	0.8	0.0	19.3	1	
1K	72	-1124	-75	-11	0	10	80	15.5	16.7	2.8	0.0	32.2	1	
1L	72	-1124	6	-11	0	10	17	15.5	9.8	0.4	0.0	25.2	1	
1M	72	1487	-75	23	0	-2	80	20.5	10.8	2.8	0.0	31.2	1	
1N	72	1487	6	23	0	-2	17	20.5	3.8	0.8	0.0	24.3	1	
1O	72	1487	-75	-11	0	10	80	20.5	16.7	2.8	0.0	37.2	1	
1P	72	1487	6	-11	0	10	17	20.5	9.8	0.4	0.0	30.2	1	
2	72	-107	-204	22	0	17	213	1.5	37.8	7.6	0.0	39.3	1	
7	72	-144	-162	17	0	14	172	2.0	30.7	6.0	0.0	32.7	1	
8	72	-115	-172	18	0	14	180	1.6	31.0	6.4	0.0	32.6	1	

1A	144	-1019	-95	33	0	-27	11	14.0	22.9	3.6	0.0	36.9	1
1B	144	-1019	-56	33	0	-27	7	14.0	22.4	2.1	0.0	36.5	1
1C	144	-1019	-95	-21	0	26	11	14.0	22.0	3.6	0.0	36.0	1
1D	144	-1019	-56	-21	0	26	7	14.0	21.6	2.1	0.0	35.6	1
1E	144	1380	-95	33	0	-27	11	19.0	22.9	3.6	0.0	41.8	1
1F	144	1380	-56	33	0	-27	7	19.0	22.4	2.1	0.0	41.4	1
1G	144	1380	-95	-21	0	26	11	19.0	22.0	3.6	0.0	41.0	1
1H	144	1380	-56	-21	0	26	7	19.0	21.6	2.1	0.0	40.6	1
1I	144	-1125	-116	23	0	-19	12	15.5	16.7	4.3	0.0	32.1	1
1J	144	-1125	-35	23	0	-19	7	15.5	16.1	1.3	0.0	31.6	1
1K	144	-1125	-116	-11	0	18	12	15.5	15.8	4.3	0.0	31.3	1
1L	144	-1125	-35	-11	0	18	7	15.5	15.3	1.3	0.0	30.8	1
1M	144	1486	-116	23	0	-19	12	20.4	16.7	4.3	0.0	37.1	1
1N	144	1486	-35	23	0	-19	7	20.4	16.1	1.3	0.0	36.6	1
1O	144	1486	-116	-11	0	18	12	20.4	15.8	4.3	0.0	36.3	1
1P	144	1486	-35	-11	0	18	7	20.4	15.3	1.3	0.0	35.7	1
2	144	-109	-257	22	0	1	47	1.5	6.3	9.6	0.0	16.7	4
7	144	-145	-215	17	0	2	37	2.0	6.1	8.0	0.0	14.1	4
8	144	-116	-226	18	0	0	37	1.6	4.5	8.4	0.0	14.7	4

ASTA NUM. 88 NI 741 NF 859 Lungh. 131.3 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1133	55	49	0	44	147	15.6	51.8	2.1	0.0	67.4	1	
1B	0	-1133	287	49	0	44	-309	15.6	69.8	10.7	0.0	85.4	1	
1C	0	-1133	55	-53	0	-43	147	15.6	51.0	2.1	0.0	66.6	1	
1D	0	-1133	287	-53	0	-43	-309	15.6	69.0	10.7	0.0	84.6	1	
1E	0	1838	55	49	0	44	147	25.3	51.8	2.1	0.0	77.1	1	
1F	0	1838	287	49	0	44	-309	25.3	69.8	10.7	0.0	95.1	1	
1G	0	1838	55	-53	0	-43	147	25.3	51.0	2.1	0.0	76.3	1	
1H	0	1838	287	-53	0	-43	-309	25.3	69.0	10.7	0.0	94.2	1	
1I	0	-1416	-61	35	0	16	291	19.5	45.4	2.3	0.0	64.9	1	
1J	0	-1416	403	35	0	16	-453	19.5	63.4	15.1	0.0	82.9	1	
1K	0	-1416	-61	-39	0	-15	291	19.5	44.6	2.3	0.0	64.1	1	
1L	0	-1416	403	-39	0	-15	-453	19.5	62.6	15.1	0.0	82.0	1	
1M	0	2121	-61	35	0	16	291	29.2	45.4	2.3	0.0	74.6	1	
1N	0	2121	403	35	0	16	-453	29.2	63.4	15.1	0.0	92.6	1	
1O	0	2121	-61	-39	0	-15	291	29.2	44.6	2.3	0.0	73.8	1	
1P	0	2121	403	-39	0	-15	-453	29.2	62.6	15.1	0.0	91.7	1	
2	0	709	772	2	0	0	-601	9.8	66.7	28.9	0.0	81.2	3	
7	0	417	646	5	0	-0	-513	5.7	56.9	24.2	0.0	66.8	3	
8	0	656	633	-0	0	0	-483	9.0	53.9	23.7	0.0	66.7	3	
1A	66	-1134	18	49	0	10	172	15.6	27.3	1.7	0.0	42.9	1	
1B	66	-1134	249	49	0	10	-135	15.6	23.1	9.3	0.0	38.7	1	
1C	66	-1134	18	-53	0	-7	172	15.6	24.7	1.8	0.0	40.3	1	
1D	66	-1134	249	-53	0	-7	-135	15.6	20.5	9.3	0.0	36.1	1	
1E	66	1837	18	49	0	10	172	25.3	27.3	1.7	0.0	52.5	1	
1F	66	1837	249	49	0	10	-135	25.3	23.1	9.3	0.0	48.4	1	
1G	66	1837	18	-53	0	-7	172	25.3	24.7	1.8	0.0	49.9	1	
1H	66	1837	249	-53	0	-7	-135	25.3	20.5	9.3	0.0	45.8	1	
1I	66	-1417	-99	35	0	-10	240	19.5	34.7	3.7	0.0	54.2	1	
1J	66	-1417	366	35	0	-10	-202	19.5	30.6	13.7	0.0	50.1	1	
1K	66	-1417	-99	-39	0	13	240	19.5	37.3	3.7	0.0	56.8	1	
1L	66	-1417	366	-39	0	13	-202	19.5	33.2	13.7	0.0	52.6	1	
1M	66	2120	-99	35	0	-10	240	29.2	34.7	3.7	0.0	63.9	1	
1N	66	2120	366	35	0	-10	-202	29.2	30.6	13.7	0.0	59.7	1	
1O	66	2120	-99	-39	0	13	240	29.2	37.3	3.7	0.0	66.5	1	
1P	66	2120	366	-39	0	13	-202	29.2	33.2	13.7	0.0	62.3	1	
2	66	708	723	2	0	-1	-110	9.7	12.9	27.1	0.0	47.9	4	
7	66	416	597	5	0	-3	-105	5.7	14.5	22.3	0.0	39.1	4	
8	66	655	585	-0	0	1	-84	9.0	9.8	21.9	0.0	38.9	4	
1A	131	-1135	-20	49	0	-24	173	15.6	38.4	1.7	0.0	54.0	1	
1B	131	-1135	212	49	0	-24	15	15.6	20.9	7.9	0.0	36.5	1	
1C	131	-1135	-20	-53	0	29	173	15.6	42.7	1.8	0.0	58.3	1	
1D	131	-1135	212	-53	0	29	15	15.6	25.2	7.9	0.0	40.8	1	
1E	131	1836	-20	49	0	-24	173	25.3	38.4	1.7	0.0	63.6	1	
1F	131	1836	212	49	0	-24	15	25.3	20.9	7.9	0.0	46.1	1	
1G	131	1836	-20	-53	0	29	173	25.3	42.7	1.8	0.0	68.0	1	
1H	131	1836	212	-53	0	29	15	25.3	25.2	7.9	0.0	50.5	1	
1I	131	-1418	-136	35	0	-36	165	19.5	47.8	5.1	0.0	67.3	1	
1J	131	-1418	328	35	0	-36	24	19.5	32.3	12.3	0.0	51.8	1	
1K	131	-1418	-136	-39	0	42	165	19.5	52.2	5.1	0.0	71.7	1	
1L	131	-1418	328	-39	0	42	24	19.5	36.6	12.3	0.0	56.1	1	
1M	131	2119	-136	35	0	-36	165	29.1	47.8	5.1	0.0	77.0	1	
1N	131	2119	328	35	0	-36	24	29.1	32.3	12.3	0.0	61.4	1	
1O	131	2119	-136	-39	0	42	165	29.1	52.2	5.1	0.0	81.3	1	
1P	131	2119	328	-39	0	42	24	29.1	36.6	12.3	0.0	65.8	1	
2	131	707	675	2	0	-2	349	9.7	40.3	25.2	0.0	56.7	3	
7	131	415	548	5	0	-7	271	5.7	35.5	20.5	0.0	43.5	3	
8	131	653	536	-0	0	1	284	9.0	32.2	20.0	0.0	46.7	3	

ASTA NUM. 89 NI 859 NF 866 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

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	cm		kg			kg*m			kg/cmq				
1A	0	-1121	-76	181	0	30	173	15.4	43.7	6.3	0.0	59.1	1
1B	0	-1121	145	181	0	30	14	15.4	26.2	6.3	0.0	41.6	1
1C	0	-1121	-76	-152	0	-24	173	15.4	38.5	5.3	0.0	53.9	1
1D	0	-1121	145	-152	0	-24	14	15.4	20.9	5.4	0.0	36.4	1
1E	0	1817	-76	181	0	30	173	25.0	43.7	6.3	0.0	68.7	1
1F	0	1817	145	181	0	30	14	25.0	26.2	6.3	0.0	51.2	1
1G	0	1817	-76	-152	0	-24	173	25.0	38.5	5.3	0.0	63.5	1
1H	0	1817	145	-152	0	-24	14	25.0	20.9	5.4	0.0	45.9	1
1I	0	-1387	-193	407	0	52	164	19.1	60.3	14.1	0.0	79.3	1
1J	0	-1387	262	407	0	52	23	19.1	44.7	14.1	0.0	63.8	1
1K	0	-1387	-193	-378	0	-45	164	19.1	55.0	13.1	0.0	74.1	1
1L	0	-1387	262	-378	0	-45	23	19.1	39.4	13.1	0.0	58.5	1
1M	0	2084	-193	407	0	52	164	28.7	60.3	14.1	0.0	88.9	1
1N	0	2084	262	407	0	52	23	28.7	44.7	14.1	0.0	73.3	1
1O	0	2084	-193	-378	0	-45	164	28.7	55.0	13.1	0.0	83.7	1
1P	0	2084	262	-378	0	-45	23	28.7	39.4	13.1	0.0	68.1	1
2	0	698	231	-63	0	-3	346	9.6	40.8	8.6	0.0	50.4	1
7	0	410	213	-91	0	-9	268	5.6	36.9	8.0	0.0	42.5	1
8	0	646	201	-29	0	1	282	8.9	31.8	7.5	0.0	40.7	1
1A	72	-1122	-117	181	0	-112	91	15.4	101.1	6.3	0.0	116.6	1
1B	72	-1122	104	181	0	-112	116	15.4	103.9	6.3	0.0	119.3	1
1C	72	-1122	-117	-152	0	98	91	15.4	89.6	5.3	0.0	105.0	1
1D	72	-1122	104	-152	0	98	116	15.4	92.4	5.3	0.0	107.8	1
1E	72	1816	-117	181	0	-112	91	25.0	101.1	6.3	0.0	126.1	1
1F	72	1816	104	181	0	-112	116	25.0	103.9	6.3	0.0	128.9	1
1G	72	1816	-117	-152	0	98	91	25.0	89.6	5.3	0.0	114.6	1
1H	72	1816	104	-152	0	98	116	25.0	92.4	5.3	0.0	117.4	1
1I	72	-1388	-234	407	0	-246	5	19.1	200.9	14.1	0.0	220.0	1
1J	72	-1388	221	407	0	-246	202	19.1	222.7	14.1	0.0	241.8	1
1K	72	-1388	-234	-378	0	232	5	19.1	189.4	13.1	0.0	208.5	1
1L	72	-1388	221	-378	0	232	202	19.1	211.2	13.1	0.0	230.3	1
1M	72	2083	-234	407	0	-246	5	28.7	200.9	14.1	0.0	229.6	1
1N	72	2083	221	407	0	-246	202	28.7	222.7	14.1	0.0	251.4	1
1O	72	2083	-234	-378	0	232	5	28.7	189.4	13.1	0.0	218.1	1
1P	72	2083	221	-378	0	232	202	28.7	211.2	13.1	0.0	239.9	1
2	72	696	178	-63	0	43	493	9.6	89.3	6.6	0.0	98.9	1
7	72	408	160	-91	0	56	402	5.6	90.5	6.0	0.0	96.1	1
8	72	644	148	-29	0	21	408	8.9	62.4	5.5	0.0	71.3	1
1A	144	-1123	-158	181	0	-254	-20	15.4	209.0	6.3	0.0	224.4	1
1B	144	-1123	63	181	0	-254	188	15.4	227.5	6.3	0.0	243.0	1
1C	144	-1123	-158	-152	0	219	-20	15.4	180.7	5.9	0.0	196.1	1
1D	144	-1123	63	-152	0	219	188	15.4	199.3	5.3	0.0	214.7	1
1E	144	1815	-158	181	0	-254	-20	25.0	209.0	6.3	0.0	233.9	1
1F	144	1815	63	181	0	-254	188	25.0	227.5	6.3	0.0	252.5	1
1G	144	1815	-158	-152	0	219	-20	25.0	180.7	5.9	0.0	205.6	1
1H	144	1815	63	-152	0	219	188	25.0	199.3	5.3	0.0	224.2	1
1I	144	-1389	-275	407	0	-543	-184	19.1	463.2	14.1	0.0	482.3	1
1J	144	-1389	180	407	0	-543	351	19.1	481.8	14.1	0.0	500.9	1
1K	144	-1389	-275	-378	0	509	-184	19.1	434.9	13.1	0.0	454.0	1
1L	144	-1389	180	-378	0	509	351	19.1	453.5	13.1	0.0	472.6	1
1M	144	2082	-275	407	0	-543	-184	28.6	463.2	14.1	0.0	491.8	1
1N	144	2082	180	407	0	-543	351	28.6	481.8	14.1	0.0	510.4	1
1O	144	2082	-275	-378	0	509	-184	28.6	434.9	13.1	0.0	463.5	1
1P	144	2082	180	-378	0	509	351	28.6	453.5	13.1	0.0	482.1	1
2	144	695	124	-63	0	88	602	9.6	138.5	4.7	0.0	148.1	1
7	144	407	106	-91	0	122	498	5.6	154.2	4.0	0.0	159.8	1
8	144	643	95	-29	0	42	495	8.8	88.8	3.5	0.0	97.6	1

ASTA NUM. 90 NI 866 NF 412 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		kg			kg*m			kg/cmq					
1A	0	-1112	-215	785	0	216	188	15.3	196.5	27.3	0.0	211.8	1	
1B	0	-1112	2	785	0	216	-21	15.3	178.0	27.3	0.0	193.3	1	
1C	0	-1112	-215	-696	0	-250	188	15.3	224.3	24.2	0.0	239.6	1	
1D	0	-1112	2	-696	0	-250	-21	15.3	205.8	24.2	0.0	221.1	1	
1E	0	1801	-215	785	0	216	188	24.8	196.5	27.3	0.0	221.3	1	
1F	0	1801	2	785	0	216	-21	24.8	178.0	27.3	0.0	202.8	1	
1G	0	1801	-215	-696	0	-250	188	24.8	224.3	24.2	0.0	249.0	1	
1H	0	1801	2	-696	0	-250	-21	24.8	205.8	24.2	0.0	230.5	1	
1I	0	-1368	-332	1241	0	502	351	18.8	448.1	43.1	0.0	466.9	1	
1J	0	-1368	119	1241	0	502	-184	18.8	429.6	43.1	0.0	448.4	1	
1K	0	-1368	-332	-1152	0	-536	351	18.8	475.9	40.0	0.0	494.7	1	
1L	0	-1368	119	-1152	0	-536	-184	18.8	457.4	40.0	0.0	476.2	1	
1M	0	2057	-332	1241	0	502	351	28.3	448.1	43.1	0.0	476.4	1	
1N	0	2057	119	1241	0	502	-184	28.3	429.6	43.1	0.0	457.9	1	
1O	0	2057	-332	-1152	0	-536	351	28.3	475.9	40.0	0.0	504.2	1	
1P	0	2057	119	-1152	0	-536	-184	28.3	457.4	40.0	0.0	485.7	1	
2	0	685	-304	-108	0	88	600	9.4	137.9	11.4	0.0	147.3	1	
7	0	400	-216	-220	0	120	497	5.5	153.1	8.1	0.0	158.7	1	
8	0	635	-228	-28	0	42	493	8.7	88.6	8.5	0.0	97.4	1	
1A	12	-1112	-222	785	0	302	185	15.3	266.4	27.3	0.0	281.7	1	
1B	12	-1112	-5	785	0	302	-45	15.3	250.9	27.3	0.0	266.2	1	
1C	12	-1112	-222	-696	0	-347	185	15.3	303.1	24.2	0.0	318.4	1	

1D	12	-1112	-5	-696	0	-347	-45	15.3	287.7	24.2	0.0	303.0	1
1E	12	1801	-222	785	0	302	185	24.8	266.4	27.3	0.0	291.1	1
1F	12	1801	-5	785	0	302	-45	24.8	250.9	27.3	0.0	275.7	1
1G	12	1801	-222	-696	0	-347	185	24.8	303.1	24.2	0.0	327.9	1
1H	12	1801	-5	-696	0	-347	-45	24.8	287.7	24.2	0.0	312.5	1
1I	12	-1369	-339	1241	0	645	364	18.8	566.2	43.1	0.0	585.0	1
1J	12	-1369	112	1241	0	645	-225	18.8	550.7	43.1	0.0	569.6	1
1K	12	-1369	-339	-1152	0	-690	364	18.8	602.9	40.0	0.0	621.8	1
1L	12	-1369	112	-1152	0	-690	-225	18.8	587.5	40.0	0.0	606.3	1
1M	12	2057	-339	1241	0	645	364	28.3	566.2	43.1	0.0	594.5	1
1N	12	2057	112	1241	0	645	-225	28.3	550.7	43.1	0.0	579.0	1
1O	12	2057	-339	-1152	0	-690	364	28.3	602.9	40.0	0.0	631.2	1
1P	12	2057	112	-1152	0	-690	-225	28.3	587.5	40.0	0.0	615.8	1
2	12	685	-313	-108	0	101	561	9.4	144.7	11.7	0.0	154.1	1
7	12	400	-225	-220	0	148	469	5.5	172.5	8.4	0.0	178.0	1
8	12	635	-237	-28	0	45	464	8.7	88.2	8.9	0.0	97.0	1
1A	25	-1113	-229	785	0	388	181	15.3	336.1	27.3	0.0	351.4	1
1B	25	-1113	-12	785	0	388	-70	15.3	323.9	27.3	0.0	339.2	1
1C	25	-1113	-229	-696	0	-444	181	15.3	381.9	24.2	0.0	397.2	1
1D	25	-1113	-12	-696	0	-444	-70	15.3	369.7	24.2	0.0	385.0	1
1E	25	1801	-229	785	0	388	181	24.8	336.1	27.3	0.0	360.9	1
1F	25	1801	-12	785	0	388	-70	24.8	323.9	27.3	0.0	348.7	1
1G	25	1801	-229	-696	0	-444	181	24.8	381.9	24.2	0.0	406.7	1
1H	25	1801	-12	-696	0	-444	-70	24.8	369.7	24.2	0.0	394.5	1
1I	25	-1369	-346	1241	0	788	377	18.8	684.1	43.1	0.0	703.0	1
1J	25	-1369	105	1241	0	788	-267	18.8	671.9	43.1	0.0	690.8	1
1K	25	-1369	-346	-1152	0	-844	377	18.8	729.9	40.0	0.0	748.8	1
1L	25	-1369	105	-1152	0	-844	-267	18.8	717.7	40.0	0.0	736.6	1
1M	25	2057	-346	1241	0	788	377	28.3	684.1	43.1	0.0	712.4	1
1N	25	2057	105	1241	0	788	-267	28.3	671.9	43.1	0.0	700.2	1
1O	25	2057	-346	-1152	0	-844	377	28.3	729.9	40.0	0.0	758.2	1
1P	25	2057	105	-1152	0	-844	-267	28.3	717.7	40.0	0.0	746.0	1
2	25	684	-322	-108	0	115	522	9.4	151.3	12.0	0.0	160.7	1
7	25	400	-235	-220	0	176	440	5.5	191.8	8.8	0.0	197.3	1
8	25	635	-246	-28	0	49	434	8.7	87.7	9.2	0.0	96.4	1

ASTA NUM. 91 NI 865 NF 864 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-910	-148	122	0	174	280	12.5	172.6	5.5	0.0	185.1	1	
1B	0	-910	259	122	0	174	-134	12.5	156.4	9.7	0.0	169.0	1	
1C	0	-910	-148	-169	0	-229	280	12.5	217.6	5.9	0.0	230.1	1	
1D	0	-910	259	-169	0	-229	-134	12.5	201.5	9.7	0.0	214.0	1	
1E	0	1581	-148	122	0	174	280	21.7	172.6	5.5	0.0	194.3	1	
1F	0	1581	259	122	0	174	-134	21.7	156.4	9.7	0.0	178.2	1	
1G	0	1581	-148	-169	0	-229	280	21.7	217.6	5.9	0.0	239.4	1	
1H	0	1581	259	-169	0	-229	-134	21.7	201.5	9.7	0.0	223.2	1	
1I	0	-1382	-304	364	0	487	415	19.0	442.7	12.6	0.0	461.8	1	
1J	0	-1382	415	364	0	487	-270	19.0	426.6	15.5	0.0	445.6	1	
1K	0	-1382	-304	-411	0	-542	415	19.0	487.8	14.3	0.0	506.8	1	
1L	0	-1382	415	-411	0	-542	-270	19.0	471.7	15.5	0.0	490.7	1	
1M	0	2053	-304	364	0	487	415	28.2	442.7	12.6	0.0	471.0	1	
1N	0	2053	415	364	0	487	-270	28.2	426.6	15.5	0.0	454.9	1	
1O	0	2053	-304	-411	0	-542	415	28.2	487.8	14.3	0.0	516.0	1	
1P	0	2053	415	-411	0	-542	-270	28.2	471.7	15.5	0.0	499.9	1	
2	0	2751	316	-239	0	-295	187	37.8	261.1	11.8	0.0	298.9	1	
7	0	2481	271	-231	0	-286	166	34.1	251.8	10.1	0.0	285.9	1	
8	0	2056	275	-166	0	-205	120	28.3	180.0	10.3	0.0	208.3	1	
1A	72	-909	-189	122	0	76	157	12.5	79.4	7.1	0.0	91.9	1	
1B	72	-909	218	122	0	76	39	12.5	66.3	8.1	0.0	78.8	1	
1C	72	-909	-189	-169	0	-97	157	12.5	96.6	7.1	0.0	109.1	1	
1D	72	-909	218	-169	0	-97	39	12.5	83.6	8.1	0.0	96.1	1	
1E	72	1582	-189	122	0	76	157	21.8	79.4	7.1	0.0	101.1	1	
1F	72	1582	218	122	0	76	39	21.8	66.3	8.1	0.0	88.1	1	
1G	72	1582	-189	-169	0	-97	157	21.8	96.6	7.1	0.0	118.4	1	
1H	72	1582	218	-169	0	-97	39	21.8	83.6	8.1	0.0	105.3	1	
1I	72	-1381	-345	364	0	221	181	19.0	200.1	12.9	0.0	219.1	1	
1J	72	-1381	374	364	0	221	15	19.0	181.8	14.0	0.0	200.8	1	
1K	72	-1381	-345	-411	0	-242	181	19.0	217.3	14.3	0.0	236.3	1	
1L	72	-1381	374	-411	0	-242	15	19.0	199.0	14.3	0.0	218.0	1	
1M	72	2054	-345	364	0	221	181	28.3	200.1	12.9	0.0	228.3	1	
1N	72	2054	374	364	0	221	15	28.3	181.8	14.0	0.0	210.0	1	
1O	72	2054	-345	-411	0	-242	181	28.3	217.3	14.3	0.0	245.6	1	
1P	72	2054	374	-411	0	-242	15	28.3	199.0	14.3	0.0	227.3	1	
2	72	2752	262	-239	0	-123	395	37.9	144.2	9.8	0.0	182.1	1	
7	72	2482	218	-231	0	-121	342	34.1	136.1	8.2	0.0	170.2	1	
8	72	2058	222	-166	0	-85	299	28.3	102.3	8.3	0.0	130.6	1	
1A	144	-908	-230	122	0	-22	4	12.5	18.1	8.6	0.0	30.6	1	
1B	144	-908	177	122	0	-22	182	12.5	37.7	6.6	0.0	50.2	1	
1C	144	-908	-230	-169	0	34	4	12.5	28.6	8.6	0.0	41.1	1	
1D	144	-908	177	-169	0	34	182	12.5	48.2	6.6	0.0	60.7	1	
1E	144	1583	-230	122	0	-22	4	21.8	18.1	8.6	0.0	39.8	1	
1F	144	1583	177	122	0	-22	182	21.8	37.7	6.6	0.0	59.5	1	
1G	144	1583	-230	-169	0	34	4	21.8	28.6	8.6	0.0	50.4	1	
1H	144	1583	177	-169	0	34	182	21.8	48.2	6.6	0.0	70.0	1	
1I	144	-1380	-386	364	0	-45	-84	19.0	45.9	14.4	0.0	64.9	1	
1J	144	-1380	333	364	0	-45	270	19.0	66.5	12.6	0.0	85.5	1	

1K	144	-1380	-386	-411	0	58	-84	19.0	56.4	14.4	0.0	75.4	1
1L	144	-1380	333	-411	0	58	270	19.0	77.1	14.3	0.0	96.0	1
1M	144	2055	-386	364	0	-45	-84	28.3	45.9	14.4	0.0	74.2	1
1N	144	2055	333	364	0	-45	270	28.3	66.5	12.6	0.0	94.8	1
1O	144	2055	-386	-411	0	58	-84	28.3	56.4	14.4	0.0	84.7	1
1P	144	2055	333	-411	0	58	270	28.3	77.1	14.3	0.0	105.3	1
2	144	2753	209	-239	0	48	564	37.9	101.7	8.3	0.0	139.6	1
7	144	2483	165	-231	0	45	479	34.2	89.9	8.0	0.0	124.1	1
8	144	2059	168	-166	0	35	439	28.3	76.8	6.3	0.0	105.1	1

ASTA NUM. 92 NI 864 NF 736 Lungh. 131.3 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-915	-298	55	0	32	183	12.6	46.4	11.1	0.0	59.0	1	
1B	0	-915	120	55	0	32	5	12.6	26.7	4.5	0.0	39.3	1	
1C	0	-915	-298	-47	0	-21	183	12.6	37.2	11.1	0.0	49.8	1	
1D	0	-915	120	-47	0	-21	5	12.6	17.6	4.5	0.0	30.2	1	
1E	0	1595	-298	55	0	32	183	21.9	46.4	11.1	0.0	68.3	1	
1F	0	1595	120	55	0	32	5	21.9	26.7	4.5	0.0	48.7	1	
1G	0	1595	-298	-47	0	-21	183	21.9	37.2	11.1	0.0	59.2	1	
1H	0	1595	120	-47	0	-21	5	21.9	17.6	4.5	0.0	39.5	1	
1I	0	-1410	-452	42	0	47	271	19.4	68.3	16.9	0.0	87.7	1	
1J	0	-1410	275	42	0	47	-83	19.4	47.6	10.3	0.0	67.0	1	
1K	0	-1410	-452	-34	0	-36	271	19.4	59.2	16.9	0.0	78.6	1	
1L	0	-1410	275	-34	0	-36	-83	19.4	38.4	10.3	0.0	57.8	1	
1M	0	2090	-452	42	0	47	271	28.7	68.3	16.9	0.0	97.1	1	
1N	0	2090	275	42	0	47	-83	28.7	47.6	10.3	0.0	76.3	1	
1O	0	2090	-452	-34	0	-36	271	28.7	59.2	16.9	0.0	87.9	1	
1P	0	2090	275	-34	0	-36	-83	28.7	38.4	10.3	0.0	67.2	1	
2	0	2774	-231	28	0	40	567	38.2	95.7	8.6	0.0	133.8	1	
7	0	2501	-167	26	0	38	481	34.4	84.2	6.3	0.0	118.6	1	
8	0	2074	-164	20	0	29	441	28.5	72.6	6.1	0.0	101.1	1	
1A	66	-914	-335	55	0	-6	248	12.6	32.2	12.5	0.0	44.8	1	
1B	66	-914	83	55	0	-6	-202	12.6	27.1	3.1	0.0	39.6	1	
1C	66	-914	-335	-47	0	12	248	12.6	37.3	12.5	0.0	49.9	1	
1D	66	-914	83	-47	0	12	-202	12.6	32.1	3.1	0.0	44.7	1	
1E	66	1596	-335	55	0	-6	248	22.0	32.2	12.5	0.0	54.2	1	
1F	66	1596	83	55	0	-6	-202	22.0	27.1	3.1	0.0	49.0	1	
1G	66	1596	-335	-47	0	12	248	22.0	37.3	12.5	0.0	59.3	1	
1H	66	1596	83	-47	0	12	-202	22.0	32.1	3.1	0.0	54.1	1	
1I	66	-1409	-490	42	0	15	439	19.4	60.6	18.3	0.0	79.9	1	
1J	66	-1409	238	42	0	15	-392	19.4	55.4	8.9	0.0	74.8	1	
1K	66	-1409	-490	-34	0	-9	439	19.4	55.5	18.3	0.0	74.9	1	
1L	66	-1409	238	-34	0	-9	-392	19.4	50.3	8.9	0.0	69.7	1	
1M	66	2091	-490	42	0	15	439	28.8	60.6	18.3	0.0	89.3	1	
1N	66	2091	238	42	0	15	-392	28.8	55.4	8.9	0.0	84.1	1	
1O	66	2091	-490	-34	0	-9	439	28.8	55.5	18.3	0.0	84.2	1	
1P	66	2091	238	-34	0	-9	-392	28.8	50.3	8.9	0.0	79.1	1	
2	66	2775	-280	28	0	22	399	38.2	62.1	10.5	0.0	100.2	1	
7	66	2502	-216	26	0	21	355	34.4	56.1	8.1	0.0	90.5	1	
8	66	2075	-212	20	0	16	318	28.5	48.1	7.9	0.0	76.6	1	
1A	131	-913	-372	55	0	-44	290	12.6	67.7	13.9	0.0	80.3	1	
1B	131	-913	45	55	0	-44	-433	12.6	83.6	1.9	0.0	96.1	1	
1C	131	-913	-372	-47	0	45	290	12.6	68.7	13.9	0.0	81.3	1	
1D	131	-913	45	-47	0	45	-433	12.6	84.6	1.7	0.0	97.2	1	
1E	131	1597	-372	55	0	-44	290	22.0	67.7	13.9	0.0	89.7	1	
1F	131	1597	45	55	0	-44	-433	22.0	83.6	1.9	0.0	105.5	1	
1G	131	1597	-372	-47	0	45	290	22.0	68.7	13.9	0.0	90.7	1	
1H	131	1597	45	-47	0	45	-433	22.0	84.6	1.7	0.0	106.6	1	
1I	131	-1408	-527	42	0	-18	582	19.4	78.6	19.7	0.0	98.0	1	
1J	131	-1408	200	42	0	-18	-725	19.4	94.5	7.5	0.0	113.9	1	
1K	131	-1408	-527	-34	0	19	582	19.4	79.7	19.7	0.0	99.0	1	
1L	131	-1408	200	-34	0	19	-725	19.4	95.5	7.5	0.0	114.9	1	
1M	131	2092	-527	42	0	-18	582	28.8	78.6	19.7	0.0	107.4	1	
1N	131	2092	200	42	0	-18	-725	28.8	94.5	7.5	0.0	123.3	1	
1O	131	2092	-527	-34	0	19	582	28.8	79.7	19.7	0.0	108.4	1	
1P	131	2092	200	-34	0	19	-725	28.8	95.5	7.5	0.0	124.3	1	
2	131	2776	-328	28	0	3	200	38.2	24.9	12.3	0.0	63.1	1	
7	131	2503	-265	26	0	3	197	34.4	24.5	9.9	0.0	59.0	1	
8	131	2076	-261	20	0	3	162	28.6	20.1	9.8	0.0	48.6	1	

ASTA NUM. 93 NI 863 NF 862 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-690	39	19	0	23	12	9.5	20.4	1.5	0.0	29.8	1	
1B	0	-690	117	19	0	23	7	9.5	19.8	4.4	0.0	29.3	1	
1C	0	-690	39	-32	0	-25	12	9.5	21.9	1.5	0.0	31.4	1	
1D	0	-690	117	-32	0	-25	7	9.5	21.3	4.4	0.0	30.8	1	
1E	0	1139	39	19	0	23	12	15.7	20.4	1.5	0.0	36.0	1	
1F	0	1139	117	19	0	23	7	15.7	19.8	4.4	0.0	35.5	1	

1G	0	1139	39	-32	0	-25	12	15.7	21.9	1.5	0.0	37.5	1
1H	0	1139	117	-32	0	-25	7	15.7	21.3	4.4	0.0	37.0	1
1I	0	-209	5	12	0	18	15	2.9	16.2	0.4	0.0	19.1	1
1J	0	-209	151	12	0	18	4	2.9	15.0	5.7	0.0	17.9	1
1K	0	-209	5	-24	0	-20	15	2.9	17.7	0.8	0.0	20.6	1
1L	0	-209	151	-24	0	-20	4	2.9	16.5	5.7	0.0	19.4	1
1M	0	659	5	12	0	18	15	9.1	16.2	0.4	0.0	25.2	1
1N	0	659	151	12	0	18	4	9.1	15.0	5.7	0.0	24.1	1
1O	0	659	5	-24	0	-20	15	9.1	17.7	0.8	0.0	26.8	1
1P	0	659	151	-24	0	-20	4	9.1	16.5	5.7	0.0	25.6	1
2	0	1019	90	-32	0	-9	38	14.0	11.4	3.4	0.0	25.4	1
7	0	902	82	-26	0	-8	29	12.4	10.0	3.1	0.0	22.4	1
8	0	737	73	-24	0	-6	29	10.1	8.3	2.7	0.0	18.4	1
1A	72	-689	-2	19	0	9	81	9.5	16.4	0.7	0.0	25.9	1
1B	72	-689	76	19	0	9	21	9.5	9.7	2.9	0.0	19.2	1
1C	72	-689	-2	-32	0	-2	81	9.5	10.7	1.1	0.0	20.1	1
1D	72	-689	76	-32	0	-2	21	9.5	3.9	2.9	0.0	13.4	1
1E	72	1140	-2	19	0	9	81	15.7	16.4	0.7	0.0	32.1	1
1F	72	1140	76	19	0	9	21	15.7	9.7	2.9	0.0	25.4	1
1G	72	1140	-2	-32	0	-2	81	15.7	10.7	1.1	0.0	26.3	1
1H	72	1140	76	-32	0	-2	21	15.7	3.9	2.9	0.0	19.6	1
1I	72	-208	-36	12	0	9	109	2.9	19.6	1.3	0.0	22.5	1
1J	72	-208	110	12	0	9	-7	2.9	8.3	4.1	0.0	11.2	1
1K	72	-208	-36	-24	0	-2	109	2.9	13.8	1.3	0.0	16.7	1
1L	72	-208	110	-24	0	-2	-7	2.9	2.6	4.1	0.0	7.7	4
1M	72	660	-36	12	0	9	109	9.1	19.6	1.3	0.0	28.7	1
1N	72	660	110	12	0	9	-7	9.1	8.3	4.1	0.0	17.4	1
1O	72	660	-36	-24	0	-2	109	9.1	13.8	1.3	0.0	22.9	1
1P	72	660	110	-24	0	-2	-7	9.1	2.6	4.1	0.0	11.6	1
2	72	1020	36	-32	0	14	83	14.0	20.6	1.4	0.0	34.6	1
7	72	903	29	-26	0	11	69	12.4	16.3	1.1	0.0	28.7	1
8	72	738	20	-24	0	11	62	10.2	16.1	0.8	0.0	26.3	1
1A	144	-687	-43	19	0	-5	121	9.5	17.6	1.6	0.0	27.0	1
1B	144	-687	35	19	0	-5	5	9.5	4.7	1.3	0.0	14.1	1
1C	144	-687	-43	-32	0	21	121	9.5	30.6	1.6	0.0	40.1	1
1D	144	-687	35	-32	0	21	5	9.5	17.8	1.3	0.0	27.2	1
1E	144	1141	-43	19	0	-5	121	15.7	17.6	1.6	0.0	33.3	1
1F	144	1141	35	19	0	-5	5	15.7	4.7	1.3	0.0	20.4	1
1G	144	1141	-43	-32	0	21	121	15.7	30.6	1.6	0.0	46.3	1
1H	144	1141	35	-32	0	21	5	15.7	17.8	1.3	0.0	33.5	1
1I	144	-207	-77	12	0	1	173	2.8	19.8	2.9	0.0	22.6	1
1J	144	-207	69	12	0	1	-47	2.8	5.9	2.6	0.0	8.7	1
1K	144	-207	-77	-24	0	15	173	2.8	31.6	2.9	0.0	34.5	1
1L	144	-207	69	-24	0	15	-47	2.8	17.7	2.6	0.0	20.5	1
1M	144	661	-77	12	0	1	173	9.1	19.8	2.9	0.0	28.9	1
1N	144	661	69	12	0	1	-47	9.1	5.9	2.6	0.0	14.9	1
1O	144	661	-77	-24	0	15	173	9.1	31.6	2.9	0.0	40.7	1
1P	144	661	69	-24	0	15	-47	9.1	17.7	2.6	0.0	26.8	1
2	144	1022	-17	-32	0	37	90	14.1	39.9	1.1	0.0	54.0	1
7	144	904	-25	-26	0	30	71	12.4	31.9	0.9	0.0	44.3	1
8	144	740	-34	-24	0	29	57	10.2	29.8	1.3	0.0	40.0	1

ASTA NUM. 94 NI 862 NF 738 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-688	-102	32	0	21	122	9.5	30.2	3.8	0.0	39.7	1	
1B	0	-688	-40	32	0	21	5	9.5	17.3	1.5	0.0	26.8	1	
1C	0	-688	-102	-19	0	-6	122	9.5	18.4	3.8	0.0	27.8	1	
1D	0	-688	-40	-19	0	-6	5	9.5	5.5	1.5	0.0	15.0	1	
1E	0	1146	-102	32	0	21	122	15.8	30.2	3.8	0.0	46.0	1	
1F	0	1146	-40	32	0	21	5	15.8	17.3	1.5	0.0	33.1	1	
1G	0	1146	-102	-19	0	-6	122	15.8	18.4	3.8	0.0	34.2	1	
1H	0	1146	-40	-19	0	-6	5	15.8	5.5	1.5	0.0	21.3	1	
1I	0	-219	-139	22	0	18	173	3.0	33.8	5.2	0.0	36.8	1	
1J	0	-219	-3	22	0	18	-47	3.0	19.8	0.8	0.0	22.8	1	
1K	0	-219	-139	-9	0	-3	173	3.0	22.0	5.2	0.0	25.0	1	
1L	0	-219	-3	-9	0	-3	-47	3.0	8.0	0.3	0.0	11.0	1	
1M	0	678	-139	22	0	18	173	9.3	33.8	5.2	0.0	43.1	1	
1N	0	678	-3	22	0	18	-47	9.3	19.8	0.8	0.0	29.1	1	
1O	0	678	-139	-9	0	-3	173	9.3	22.0	5.2	0.0	31.3	1	
1P	0	678	-3	-9	0	-3	-47	9.3	8.0	0.3	0.0	17.3	1	
2	0	1042	-484	26	0	29	92	14.3	34.1	18.1	0.0	48.4	1	
7	0	921	-378	19	0	23	72	12.7	26.3	14.1	0.0	39.0	1	
8	0	754	-387	21	0	24	59	10.4	25.7	14.5	0.0	36.1	1	
1A	72	-687	-143	32	0	31	78	9.4	34.0	5.3	0.0	43.5	1	
1B	72	-687	-81	32	0	31	-82	9.4	34.6	3.0	0.0	44.0	1	
1C	72	-687	-143	-19	0	-26	78	9.4	29.9	5.3	0.0	39.3	1	
1D	72	-687	-81	-19	0	-26	-82	9.4	30.4	3.0	0.0	39.8	1	
1E	72	1147	-143	32	0	31	78	15.8	34.0	5.3	0.0	49.8	1	
1F	72	1147	-81	32	0	31	-82	15.8	34.6	3.0	0.0	50.4	1	
1G	72	1147	-143	-19	0	-26	78	15.8	29.9	5.3	0.0	45.6	1	
1H	72	1147	-81	-19	0	-26	-82	15.8	30.4	3.0	0.0	46.2	1	
1I	72	-218	-180	22	0	-1	156	3.0	18.1	6.7	0.0	21.2	3	
1J	72	-218	-44	22	0	-1	-161	3.0	18.6	1.7	0.0	21.6	1	
1K	72	-218	-180	-9	0	6	156	3.0	22.3	6.7	0.0	25.3	1	
1L	72	-218	-44	-9	0	6	-161	3.0	22.8	1.7	0.0	25.8	1	
1M	72	679	-180	22	0	-1	156	9.3	18.1	6.7	0.0	27.4	1	

1N	72	679	-44	22	0	-1	-161	9.3	18.6	1.7	0.0	28.0	1
1O	72	679	-180	-9	0	6	156	9.3	22.3	6.7	0.0	31.6	1
1P	72	679	-44	-9	0	6	-161	9.3	22.8	1.7	0.0	32.1	1
2	72	1044	-538	26	0	11	-276	14.4	39.4	20.1	0.0	53.8	1
7	72	923	-431	19	0	9	-219	12.7	31.3	16.1	0.0	43.9	1
8	72	756	-440	21	0	9	-238	10.4	33.5	16.5	0.0	43.9	1
1A	144	-686	-184	32	0	42	4	9.4	34.6	6.9	0.0	44.0	1
1B	144	-686	-122	32	0	42	-199	9.4	56.2	4.6	0.0	65.6	1
1C	144	-686	-184	-19	0	-46	4	9.4	38.1	6.9	0.0	47.5	1
1D	144	-686	-122	-19	0	-46	-199	9.4	59.7	4.6	0.0	69.1	1
1E	144	1148	-184	32	0	42	4	15.8	34.6	6.9	0.0	50.4	1
1F	144	1148	-122	32	0	42	-199	15.8	56.2	4.6	0.0	72.0	1
1G	144	1148	-184	-19	0	-46	4	15.8	38.1	6.9	0.0	53.9	1
1H	144	1148	-122	-19	0	-46	-199	15.8	59.7	4.6	0.0	75.5	1
1I	144	-217	-221	22	0	-20	110	3.0	28.3	8.3	0.0	31.3	1
1J	144	-217	-85	22	0	-20	-305	3.0	49.9	3.2	0.0	52.9	1
1K	144	-217	-221	-9	0	16	110	3.0	24.9	8.3	0.0	27.9	1
1L	144	-217	-85	-9	0	16	-305	3.0	46.5	3.2	0.0	49.5	1
1M	144	680	-221	22	0	-20	110	9.4	28.3	8.3	0.0	37.7	1
1N	144	680	-85	22	0	-20	-305	9.4	49.9	3.2	0.0	59.3	1
1O	144	680	-221	-9	0	16	110	9.4	24.9	8.3	0.0	34.2	1
1P	144	680	-85	-9	0	16	-305	9.4	46.5	3.2	0.0	55.8	1
2	144	1045	-591	26	0	-7	-681	14.4	81.5	22.1	0.0	95.8	1
7	144	924	-485	19	0	-5	-548	12.7	65.0	18.1	0.0	77.7	1
8	144	757	-493	21	0	-6	-574	10.4	68.6	18.5	0.0	79.0	1

ASTA NUM. 95 NI 738 NF 728 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-865	-387	20	0	40	233	11.9	58.7	14.5	0.0	70.6	1	
1B	0	-865	486	20	0	40	-360	11.9	72.8	18.2	0.0	84.7	1	
1C	0	-865	-387	-20	0	-43	233	11.9	60.8	14.5	0.0	72.7	1	
1D	0	-865	486	-20	0	-43	-360	11.9	74.9	18.2	0.0	86.8	1	
1E	0	1245	-387	20	0	40	233	17.1	58.7	14.5	0.0	75.8	1	
1F	0	1245	486	20	0	40	-360	17.1	72.8	18.2	0.0	89.9	1	
1G	0	1245	-387	-20	0	-43	233	17.1	60.8	14.5	0.0	77.9	1	
1H	0	1245	486	-20	0	-43	-360	17.1	74.9	18.2	0.0	92.0	1	
1I	0	-175	-926	15	0	17	591	2.4	79.1	34.6	0.0	81.5	1	
1J	0	-175	1025	15	0	17	-718	2.4	93.2	38.4	0.0	95.6	1	
1K	0	-175	-926	-15	0	-19	591	2.4	81.2	34.6	0.0	83.6	1	
1L	0	-175	1025	-15	0	-19	-718	2.4	95.3	38.4	0.0	97.7	1	
1M	0	555	-926	15	0	17	591	7.6	79.1	34.6	0.0	86.7	1	
1N	0	555	1025	15	0	17	-718	7.6	93.2	38.4	0.0	100.8	1	
1O	0	555	-926	-15	0	-19	591	7.6	81.2	34.6	0.0	88.8	1	
1P	0	555	1025	-15	0	-19	-718	7.6	95.3	38.4	0.0	102.9	1	
2	0	1067	1097	-3	0	-7	-904	14.7	106.0	41.0	0.0	121.0	3	
7	0	899	955	-3	0	-6	-769	12.4	90.2	35.7	0.0	103.4	3	
8	0	832	920	-2	0	-6	-748	11.5	87.3	34.4	0.0	99.8	3	
1A	38	-865	-408	20	0	46	84	11.9	46.7	15.3	0.0	58.6	1	
1B	38	-865	465	20	0	46	-182	11.9	57.6	17.4	0.0	69.5	1	
1C	38	-865	-408	-20	0	-49	84	11.9	48.8	15.3	0.0	60.7	1	
1D	38	-865	465	-20	0	-49	-182	11.9	59.7	17.4	0.0	71.6	1	
1E	38	1245	-408	20	0	46	84	17.1	46.7	15.3	0.0	63.8	1	
1F	38	1245	465	20	0	46	-182	17.1	57.6	17.4	0.0	74.7	1	
1G	38	1245	-408	-20	0	-49	84	17.1	48.8	15.3	0.0	66.0	1	
1H	38	1245	465	-20	0	-49	-182	17.1	59.7	17.4	0.0	76.8	1	
1I	38	-175	-948	15	0	17	240	2.4	40.0	35.4	0.0	61.5	4	
1J	38	-175	1004	15	0	17	-338	2.4	50.9	37.6	0.0	65.1	4	
1K	38	-175	-948	-15	0	-19	240	2.4	42.1	35.4	0.0	61.5	4	
1L	38	-175	1004	-15	0	-19	-338	2.4	53.0	37.6	0.0	65.1	4	
1M	38	555	-948	15	0	17	240	7.6	40.0	35.4	0.0	61.9	4	
1N	38	555	1004	15	0	17	-338	7.6	50.9	37.6	0.0	66.0	3	
1O	38	555	-948	-15	0	-19	240	7.6	42.1	35.4	0.0	62.0	4	
1P	38	555	1004	-15	0	-19	-338	7.6	53.0	37.6	0.0	66.1	3	
2	38	1068	1069	-3	0	-6	-498	14.7	60.1	40.0	0.0	85.0	3	
7	38	900	927	-3	0	-5	-416	12.4	50.2	34.7	0.0	72.2	3	
8	38	833	892	-2	0	-5	-408	11.5	49.0	33.4	0.0	69.7	3	
1A	75	-864	-430	20	0	52	-74	11.9	50.2	16.1	0.0	62.1	1	
1B	75	-864	443	20	0	52	-11	11.9	43.2	16.6	0.0	55.1	1	
1C	75	-864	-430	-20	0	-54	-74	11.9	52.4	16.1	0.0	64.2	1	
1D	75	-864	443	-20	0	-54	-11	11.9	45.4	16.6	0.0	57.2	1	
1E	75	1246	-430	20	0	52	-74	17.1	50.2	16.1	0.0	67.4	1	
1F	75	1246	443	20	0	52	-11	17.1	43.2	16.6	0.0	60.4	1	
1G	75	1246	-430	-20	0	-54	-74	17.1	52.4	16.1	0.0	69.5	1	
1H	75	1246	443	-20	0	-54	-11	17.1	45.4	16.6	0.0	62.5	1	
1I	75	-174	-969	15	0	16	-120	2.4	26.6	36.2	0.0	62.8	4	
1J	75	-174	983	15	0	16	35	2.4	17.2	36.8	0.0	63.7	4	
1K	75	-174	-969	-15	0	-19	-120	2.4	28.7	36.2	0.0	62.9	4	
1L	75	-174	983	-15	0	-19	35	2.4	19.3	36.8	0.0	63.7	4	
1M	75	556	-969	15	0	16	-120	7.6	26.6	36.2	0.0	63.3	4	
1N	75	556	983	15	0	16	35	7.6	17.2	36.8	0.0	64.2	4	
1O	75	556	-969	-15	0	-19	-120	7.6	28.7	36.2	0.0	63.3	4	
1P	75	556	983	-15	0	-19	35	7.6	19.3	36.8	0.0	64.2	4	
2	75	1068	1041	-3	0	-5	-102	14.7	15.4	38.9	0.0	69.1	4	
7	75	900	900	-3	0	-4	-74	12.4	11.2	33.6	0.0	59.6	4	
8	75	834	864	-2	0	-4	-79	11.5	12.0	32.3	0.0	57.2	4	

ASTA NUM. 96 NI 815 NF 811 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6220	-267	-7	0	3	1459	85.6	163.8	10.0	0.0	249.4	1	
1B	0	-6220	132	-7	0	3	725	85.6	82.6	4.9	0.0	168.2	1	
1C	0	-6220	-267	-16	0	-36	1459	85.6	191.0	10.0	0.0	276.6	1	
1D	0	-6220	132	-16	0	-36	725	85.6	109.8	4.9	0.0	195.4	1	
1E	0	2804	-267	-7	0	3	1459	38.6	163.8	10.0	0.0	202.4	1	
1F	0	2804	132	-7	0	3	725	38.6	82.6	4.9	0.0	121.2	1	
1G	0	2804	-267	-16	0	-36	1459	38.6	191.0	10.0	0.0	229.6	1	
1H	0	2804	132	-16	0	-36	725	38.6	109.8	4.9	0.0	148.4	1	
1I	0	-4515	-502	-6	0	-10	1422	62.1	165.7	18.8	0.0	227.8	1	
1J	0	-4515	367	-6	0	-10	762	62.1	92.6	13.7	0.0	154.7	1	
1K	0	-4515	-502	-17	0	-23	1422	62.1	176.2	18.8	0.0	238.3	1	
1L	0	-4515	367	-17	0	-23	762	62.1	103.1	13.7	0.0	165.2	1	
1M	0	1099	-502	-6	0	-10	1422	15.1	165.7	18.8	0.0	180.8	1	
1N	0	1099	367	-6	0	-10	762	15.1	92.6	13.7	0.0	107.7	1	
1O	0	1099	-502	-17	0	-23	1422	15.1	176.2	18.8	0.0	191.3	1	
1P	0	1099	367	-17	0	-23	762	15.1	103.1	13.7	0.0	118.2	1	
2	0	-1360	-431	-62	0	-90	4624	18.7	585.3	16.1	0.0	604.0	1	
7	0	-1748	-294	-48	0	-70	3694	24.0	465.5	11.0	0.0	489.5	1	
8	0	-1608	-324	-48	0	-70	3665	22.1	462.4	12.1	0.0	484.5	1	
1A	72	-6221	-308	-7	0	14	1440	85.6	170.7	11.5	0.0	256.3	1	
1B	72	-6221	91	-7	0	14	617	85.6	79.7	3.4	0.0	165.2	1	
1C	72	-6221	-308	-16	0	-31	1440	85.6	184.3	11.5	0.0	269.9	1	
1D	72	-6221	91	-16	0	-31	617	85.6	93.3	3.4	0.0	178.8	1	
1E	72	2803	-308	-7	0	14	1440	38.6	170.7	11.5	0.0	209.2	1	
1F	72	2803	91	-7	0	14	617	38.6	79.7	3.4	0.0	118.2	1	
1G	72	2803	-308	-16	0	-31	1440	38.6	184.3	11.5	0.0	222.9	1	
1H	72	2803	91	-16	0	-31	617	38.6	93.3	3.4	0.0	131.8	1	
1I	72	-4516	-543	-6	0	2	1639	62.1	182.7	20.3	0.0	244.9	1	
1J	72	-4516	326	-6	0	2	418	62.1	47.6	12.2	0.0	109.7	1	
1K	72	-4516	-543	-17	0	-18	1639	62.1	196.4	20.3	0.0	258.5	1	
1L	72	-4516	326	-17	0	-18	418	62.1	61.2	12.2	0.0	123.3	1	
1M	72	1098	-543	-6	0	2	1639	15.1	182.7	20.3	0.0	197.8	1	
1N	72	1098	326	-6	0	2	418	15.1	47.6	12.2	0.0	62.7	1	
1O	72	1098	-543	-17	0	-18	1639	15.1	196.4	20.3	0.0	211.5	1	
1P	72	1098	326	-17	0	-18	418	15.1	61.2	12.2	0.0	76.3	1	
2	72	-1362	-484	-62	0	-46	4295	18.7	512.6	18.1	0.0	531.3	1	
7	72	-1750	-347	-48	0	-35	3464	24.1	411.7	13.0	0.0	435.8	1	
8	72	-1609	-378	-48	0	-35	3413	22.1	406.5	14.1	0.0	428.6	1	
1A	144	-6222	-349	-7	0	25	1391	85.6	174.3	13.1	0.0	259.9	1	
1B	144	-6222	50	-7	0	25	480	85.6	73.4	1.9	0.0	159.0	1	
1C	144	-6222	-349	-16	0	-25	1391	85.6	174.3	13.1	0.0	259.9	1	
1D	144	-6222	50	-16	0	-25	480	85.6	73.5	1.9	0.0	159.0	1	
1E	144	2802	-349	-7	0	25	1391	38.5	174.3	13.1	0.0	212.9	1	
1F	144	2802	50	-7	0	25	480	38.5	73.4	1.9	0.0	112.0	1	
1G	144	2802	-349	-16	0	-25	1391	38.5	174.3	13.1	0.0	212.9	1	
1H	144	2802	50	-16	0	-25	480	38.5	73.5	1.9	0.0	112.0	1	
1I	144	-4517	-584	-6	0	14	1827	62.1	213.2	21.8	0.0	275.4	1	
1J	144	-4517	285	-6	0	14	44	62.1	16.0	10.6	0.0	78.2	1	
1K	144	-4517	-584	-17	0	-14	1827	62.1	213.2	21.8	0.0	275.4	1	
1L	144	-4517	285	-17	0	-14	44	62.1	16.1	10.6	0.0	78.2	1	
1M	144	1097	-584	-6	0	14	1827	15.1	213.2	21.8	0.0	228.3	1	
1N	144	1097	285	-6	0	14	44	15.1	16.0	10.6	0.0	31.1	1	
1O	144	1097	-584	-17	0	-14	1827	15.1	213.2	21.8	0.0	228.3	1	
1P	144	1097	285	-17	0	-14	44	15.1	16.1	10.6	0.0	31.2	1	
2	144	-1363	-538	-62	0	-1	3927	18.7	435.6	20.1	0.0	454.3	1	
7	144	-1751	-400	-48	0	-0	3195	24.1	353.8	15.0	0.0	377.9	1	
8	144	-1610	-431	-48	0	-1	3122	22.1	346.3	16.1	0.0	368.4	1	

ASTA NUM. 97 NI 811 NF 810 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6296	-437	2	0	25	1391	86.6	174.2	16.4	0.0	260.8	1	
1B	0	-6296	-26	2	0	25	479	86.6	73.3	1.0	0.0	159.9	1	
1C	0	-6296	-437	-4	0	-26	1391	86.6	174.8	16.4	0.0	261.4	1	
1D	0	-6296	-26	-4	0	-26	479	86.6	73.9	1.0	0.0	160.5	1	
1E	0	1992	-437	2	0	25	1391	27.4	174.2	16.4	0.0	201.6	1	
1F	0	1992	-26	2	0	25	479	27.4	73.3	1.0	0.0	100.7	1	
1G	0	1992	-437	-4	0	-26	1391	27.4	174.8	16.4	0.0	202.2	1	
1H	0	1992	-26	-4	0	-26	479	27.4	73.9	1.0	0.0	101.3	1	
1I	0	-5570	-665	6	0	13	1826	76.6	212.5	24.9	0.0	289.1	1	
1J	0	-5570	201	6	0	13	44	76.6	15.4	7.5	0.0	92.0	1	
1K	0	-5570	-665	-8	0	-14	1826	76.6	213.1	24.9	0.0	289.7	1	
1L	0	-5570	201	-8	0	-14	44	76.6	16.0	7.5	0.0	92.6	1	
1M	0	1266	-665	6	0	13	1826	17.4	212.5	24.9	0.0	229.9	1	
1N	0	1266	201	6	0	13	44	17.4	15.4	7.5	0.0	32.8	1	
1O	0	1266	-665	-8	0	-14	1826	17.4	213.1	24.9	0.0	230.5	1	
1P	0	1266	201	-8	0	-14	44	17.4	16.0	7.5	0.0	33.4	1	

2	0	-3675	-1059	-2	0	-3	3926	50.6	437.0	39.6	0.0	487.6	1
7	0	-3607	-797	-1	0	-2	3194	49.6	354.9	29.8	0.0	404.5	1
8	0	-3389	-828	-2	0	-3	3120	46.6	347.2	31.0	0.0	393.9	1
1A	72	-6297	-478	2	0	25	1265	86.6	160.3	17.9	0.0	246.9	1
1B	72	-6297	-67	2	0	25	242	86.6	47.1	2.5	0.0	133.7	1
1C	72	-6297	-478	-4	0	-24	1265	86.6	159.8	17.9	0.0	246.5	1
1D	72	-6297	-67	-4	0	-24	242	86.6	46.7	2.5	0.0	133.3	1
1E	72	1991	-478	2	0	25	1265	27.4	160.3	17.9	0.0	187.7	1
1F	72	1991	-67	2	0	25	242	27.4	47.1	2.5	0.0	74.5	1
1G	72	1991	-478	-4	0	-24	1265	27.4	159.8	17.9	0.0	187.2	1
1H	72	1991	-67	-4	0	-24	242	27.4	46.7	2.5	0.0	74.1	1
1I	72	-5571	-706	6	0	12	1928	76.6	223.3	26.4	0.0	299.9	1
1J	72	-5571	160	6	0	12	-421	76.6	56.5	6.0	0.0	133.1	1
1K	72	-5571	-706	-8	0	-12	1928	76.6	222.9	26.4	0.0	299.5	1
1L	72	-5571	160	-8	0	-12	-421	76.6	56.1	6.0	0.0	132.7	1
1M	72	1265	-706	6	0	12	1928	17.4	223.3	26.4	0.0	240.7	1
1N	72	1265	160	6	0	12	-421	17.4	56.5	6.0	0.0	73.9	1
1O	72	1265	-706	-8	0	-12	1928	17.4	222.9	26.4	0.0	240.3	1
1P	72	1265	160	-8	0	-12	-421	17.4	56.1	6.0	0.0	73.5	1
2	72	-3676	-1112	-2	0	-2	3145	50.6	349.4	41.6	0.0	400.0	1
7	72	-3608	-850	-1	0	-1	2602	49.6	288.6	31.8	0.0	338.2	1
8	72	-3390	-881	-2	0	-1	2506	46.6	278.2	33.0	0.0	324.8	1
1A	144	-6298	-519	2	0	25	1110	86.6	143.1	19.4	0.0	229.7	1
1B	144	-6298	-108	2	0	25	-24	86.6	23.0	4.0	0.0	109.6	1
1C	144	-6298	-519	-4	0	-23	1110	86.6	141.6	19.4	0.0	228.3	1
1D	144	-6298	-108	-4	0	-23	-24	86.6	21.5	4.0	0.0	108.1	1
1E	144	1990	-519	2	0	25	1110	27.4	143.1	19.4	0.0	170.5	1
1F	144	1990	-108	2	0	25	-24	27.4	23.0	4.0	0.0	50.4	1
1G	144	1990	-519	-4	0	-23	1110	27.4	141.6	19.4	0.0	169.0	1
1H	144	1990	-108	-4	0	-23	-24	27.4	21.5	4.0	0.0	48.9	1
1I	144	-5572	-747	6	0	12	2001	76.6	230.8	27.9	0.0	307.4	1
1J	144	-5572	119	6	0	12	-915	76.6	110.7	4.5	0.0	187.3	1
1K	144	-5572	-747	-8	0	-10	2001	76.6	229.3	27.9	0.0	306.0	1
1L	144	-5572	119	-8	0	-10	-915	76.6	109.2	4.5	0.0	185.8	1
1M	144	1264	-747	6	0	12	2001	17.4	230.8	27.9	0.0	248.2	1
1N	144	1264	119	6	0	12	-915	17.4	110.7	4.5	0.0	128.1	1
1O	144	1264	-747	-8	0	-10	2001	17.4	229.3	27.9	0.0	246.7	1
1P	144	1264	119	-8	0	-10	-915	17.4	109.2	4.5	0.0	126.6	1
2	144	-3677	-1166	-2	0	-0	2326	50.6	257.6	43.6	0.0	308.2	1
7	144	-3610	-904	-1	0	0	1971	49.7	218.1	33.8	0.0	267.8	1
8	144	-3391	-935	-2	0	0	1853	46.6	205.1	35.0	0.0	251.8	1

ASTA NUM. 98 NI 810 NF 809 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5965	-606	24	0	26	1109	82.1	143.5	22.7	0.0	225.6	1	
1B	0	-5965	-179	24	0	26	-24	82.1	23.5	6.7	0.0	105.5	1	
1C	0	-5965	-606	-28	0	-24	1109	82.1	142.6	22.7	0.0	224.7	1	
1D	0	-5965	-179	-28	0	-24	-24	82.1	22.6	6.7	0.0	104.7	1	
1E	0	719	-606	24	0	26	1109	9.9	143.5	22.7	0.0	153.4	1	
1F	0	719	-179	24	0	26	-24	9.9	23.5	6.7	0.0	33.4	1	
1G	0	719	-606	-28	0	-24	1109	9.9	142.6	22.7	0.0	152.5	1	
1H	0	719	-179	-28	0	-24	-24	9.9	22.6	6.7	0.0	32.5	1	
1I	0	-6566	-825	37	0	12	1999	90.3	231.0	30.8	0.0	321.3	1	
1J	0	-6566	39	37	0	12	-914	90.3	111.0	1.5	0.0	201.3	1	
1K	0	-6566	-825	-41	0	-11	1999	90.3	230.2	30.8	0.0	320.5	1	
1L	0	-6566	39	-41	0	-11	-914	90.3	110.1	1.5	0.0	200.5	1	
1M	0	1320	-825	37	0	12	1999	18.2	231.0	30.8	0.0	249.2	1	
1N	0	1320	39	37	0	12	-914	18.2	111.0	1.5	0.0	129.2	1	
1O	0	1320	-825	-41	0	-11	1999	18.2	230.2	30.8	0.0	248.3	1	
1P	0	1320	39	-41	0	-11	-914	18.2	110.1	1.5	0.0	128.3	1	
2	0	-6040	-1671	-18	0	-2	2323	83.1	258.8	62.5	0.0	341.9	1	
7	0	-5511	-1287	-17	0	-1	1969	75.8	219.0	48.1	0.0	294.8	1	
8	0	-5216	-1319	-13	0	-1	1851	71.7	205.9	49.3	0.0	277.6	1	
1A	72	-5966	-647	24	0	6	911	82.1	105.8	24.2	0.0	187.9	1	
1B	72	-5966	-220	24	0	6	-421	82.1	51.5	8.2	0.0	133.6	1	
1C	72	-5966	-647	-28	0	-2	911	82.1	102.5	24.2	0.0	184.6	1	
1D	72	-5966	-220	-28	0	-2	-421	82.1	48.2	8.2	0.0	130.3	1	
1E	72	718	-647	24	0	6	911	9.9	105.8	24.2	0.0	115.7	1	
1F	72	718	-220	24	0	6	-421	9.9	51.5	8.2	0.0	61.4	1	
1G	72	718	-647	-28	0	-2	911	9.9	102.5	24.2	0.0	112.4	1	
1H	72	718	-220	-28	0	-2	-421	9.9	48.2	8.2	0.0	58.1	1	
1I	72	-6567	-866	37	0	-15	1996	90.3	233.0	32.4	0.0	323.3	1	
1J	72	-6567	-2	37	0	-15	-1506	90.3	178.7	1.3	0.0	269.0	1	
1K	72	-6567	-866	-41	0	19	1996	90.3	236.3	32.4	0.0	326.6	1	
1L	72	-6567	-2	-41	0	19	-1506	90.3	182.0	1.4	0.0	272.3	1	
1M	72	1319	-866	37	0	-15	1996	18.1	233.0	32.4	0.0	251.2	1	
1N	72	1319	-2	37	0	-15	-1506	18.1	178.7	1.3	0.0	196.9	1	
1O	72	1319	-866	-41	0	19	1996	18.1	236.3	32.4	0.0	254.4	1	
1P	72	1319	-2	-41	0	19	-1506	18.1	182.0	1.4	0.0	200.1	1	
2	72	-6042	-1724	-18	0	11	1102	83.1	130.8	64.5	0.0	214.8	3	
7	72	-5512	-1340	-17	0	10	1024	75.8	121.8	50.1	0.0	197.6	1	
8	72	-5218	-1372	-13	0	8	883	71.8	104.3	51.3	0.0	176.7	3	
1A	144	-5967	-688	24	0	-13	684	82.1	86.5	25.7	0.0	168.6	1	
1B	144	-5967	-261	24	0	-13	-846	82.1	104.4	9.8	0.0	186.5	1	
1C	144	-5967	-688	-28	0	20	684	82.1	92.2	25.7	0.0	174.3	1	

1D	144	-5967	-261	-28	0	20	-846	82.1	110.1	9.8	0.0	192.2	1
1E	144	717	-688	24	0	-13	684	9.9	86.5	25.7	0.0	96.4	1
1F	144	717	-261	24	0	-13	-846	9.9	104.4	9.8	0.0	114.3	1
1G	144	717	-688	-28	0	20	684	9.9	92.2	25.7	0.0	102.0	1
1H	144	717	-261	-28	0	20	-846	9.9	110.1	9.8	0.0	120.0	1
1I	144	-6568	-907	37	0	-42	1964	90.3	251.5	33.9	0.0	341.8	1
1J	144	-6568	-43	37	0	-42	-2126	90.3	269.4	1.6	0.0	359.7	1
1K	144	-6568	-907	-41	0	49	1964	90.3	257.1	33.9	0.0	347.5	1
1L	144	-6568	-43	-41	0	49	-2126	90.3	275.1	1.6	0.0	365.4	1
1M	144	1318	-907	37	0	-42	1964	18.1	251.5	33.9	0.0	269.6	1
1N	144	1318	-43	37	0	-42	-2126	18.1	269.4	1.6	0.0	287.5	1
1O	144	1318	-907	-41	0	49	1964	18.1	257.1	33.9	0.0	275.3	1
1P	144	1318	-43	-41	0	49	-2126	18.1	275.1	1.6	0.0	293.2	1
2	144	-6043	-1778	-18	0	24	-157	83.1	37.0	66.5	0.0	142.6	4
7	144	-5513	-1394	-17	0	22	41	75.8	22.7	52.1	0.0	118.5	4
8	144	-5219	-1426	-13	0	17	-122	71.8	27.8	53.3	0.0	117.4	4

ASTA NUM. 99 NI 809 NF 818 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5156	-766	62	0	20	683	70.9	92.0	28.7	0.0	162.9	1	
1B	0	-5156	-331	62	0	20	-847	70.9	110.1	12.4	0.0	181.0	1	
1C	0	-5156	-766	-53	0	-14	683	70.9	86.9	28.7	0.0	157.8	1	
1D	0	-5156	-331	-53	0	-14	-847	70.9	105.0	12.4	0.0	175.9	1	
1E	0	-1046	-766	62	0	20	683	14.4	92.0	28.7	0.0	106.4	1	
1F	0	-1046	-331	62	0	20	-847	14.4	110.1	12.4	0.0	124.5	1	
1G	0	-1046	-766	-53	0	-14	683	14.4	86.9	28.7	0.0	101.2	1	
1H	0	-1046	-331	-53	0	-14	-847	14.4	105.0	12.4	0.0	119.4	1	
1I	0	-7065	-978	73	0	48	1963	97.2	256.5	36.6	0.0	353.7	1	
1J	0	-7065	-118	73	0	48	-2127	97.2	274.6	4.4	0.0	371.8	1	
1K	0	-7065	-978	-64	0	-42	1963	97.2	251.4	36.6	0.0	348.6	1	
1L	0	-7065	-118	-64	0	-42	-2127	97.2	269.5	4.4	0.0	366.7	1	
1M	0	863	-978	73	0	48	1963	11.9	256.5	36.6	0.0	268.4	1	
1N	0	863	-118	73	0	48	-2127	11.9	274.6	4.4	0.0	286.5	1	
1O	0	863	-978	-64	0	-42	1963	11.9	251.4	36.6	0.0	263.3	1	
1P	0	863	-118	-64	0	-42	-2127	11.9	269.5	4.4	0.0	281.4	1	
2	0	-8253	-2258	20	0	22	-160	113.5	36.0	84.5	0.0	185.7	4	
7	0	-7263	-1758	13	0	21	38	99.9	21.3	65.8	0.0	152.0	4	
8	0	-6949	-1790	17	0	16	-125	95.6	27.0	67.0	0.0	150.7	4	
1A	72	-5157	-807	62	0	57	413	70.9	92.1	30.2	0.0	163.1	1	
1B	72	-5157	-372	62	0	57	-1394	70.9	200.7	13.9	0.0	271.7	1	
1C	72	-5157	-807	-53	0	-57	413	70.9	92.5	30.2	0.0	163.4	1	
1D	72	-5157	-372	-53	0	-57	-1394	70.9	201.1	13.9	0.0	272.0	1	
1E	72	-1047	-807	62	0	57	413	14.4	92.1	30.2	0.0	106.5	1	
1F	72	-1047	-372	62	0	57	-1394	14.4	200.7	13.9	0.0	215.1	1	
1G	72	-1047	-807	-53	0	-57	413	14.4	92.5	30.2	0.0	106.8	1	
1H	72	-1047	-372	-53	0	-57	-1394	14.4	201.1	13.9	0.0	215.5	1	
1I	72	-7066	-1019	73	0	94	1858	97.2	281.8	38.1	0.0	379.0	1	
1J	72	-7066	-159	73	0	94	-2839	97.2	390.4	6.0	0.0	487.6	1	
1K	72	-7066	-1019	-64	0	-94	1858	97.2	282.1	38.1	0.0	379.3	1	
1L	72	-7066	-159	-64	0	-94	-2839	97.2	390.7	6.0	0.0	487.9	1	
1M	72	862	-1019	73	0	94	1858	11.9	281.8	38.1	0.0	293.7	1	
1N	72	862	-159	73	0	94	-2839	11.9	390.4	6.0	0.0	402.3	1	
1O	72	862	-1019	-64	0	-94	1858	11.9	282.1	38.1	0.0	294.0	1	
1P	72	862	-159	-64	0	-94	-2839	11.9	390.7	6.0	0.0	402.6	1	
2	72	-8254	-2311	20	0	8	-1803	113.5	205.7	86.4	0.0	320.7	3	
7	72	-7264	-1812	13	0	12	-1245	99.9	147.4	67.8	0.0	247.3	1	
8	72	-6950	-1844	17	0	4	-1432	95.6	161.8	69.0	0.0	259.8	3	
1A	144	-5158	-848	62	0	94	113	71.0	89.1	31.7	0.0	160.0	1	
1B	144	-5158	-413	62	0	94	-1971	71.0	294.7	15.4	0.0	365.6	1	
1C	144	-5158	-848	-53	0	-101	113	71.0	94.8	31.7	0.0	165.7	1	
1D	144	-5158	-413	-53	0	-101	-1971	71.0	300.4	15.4	0.0	371.4	1	
1E	144	-1048	-848	62	0	94	113	14.4	89.1	31.7	0.0	103.5	1	
1F	144	-1048	-413	62	0	94	-1971	14.4	294.7	15.4	0.0	309.1	1	
1G	144	-1048	-848	-53	0	-101	113	14.4	94.8	31.7	0.0	109.2	1	
1H	144	-1048	-413	-53	0	-101	-1971	14.4	300.4	15.4	0.0	314.8	1	
1I	144	-7067	-1060	73	0	139	1723	97.2	303.8	39.7	0.0	401.1	1	
1J	144	-7067	-200	73	0	139	-3582	97.2	509.5	7.5	0.0	606.7	1	
1K	144	-7067	-1060	-64	0	-146	1723	97.2	309.6	39.7	0.0	406.8	1	
1L	144	-7067	-200	-64	0	-146	-3582	97.2	515.2	7.5	0.0	612.4	1	
1M	144	861	-1060	73	0	139	1723	11.8	303.8	39.7	0.0	315.7	1	
1N	144	861	-200	73	0	139	-3582	11.8	509.5	7.5	0.0	521.3	1	
1O	144	861	-1060	-64	0	-146	1723	11.8	309.6	39.7	0.0	321.4	1	
1P	144	861	-200	-64	0	-146	-3582	11.8	515.2	7.5	0.0	527.0	1	
2	144	-8256	-2364	20	0	-7	-3484	113.6	391.2	88.4	0.0	504.7	1	
7	144	-7266	-1865	13	0	3	-2567	99.9	286.2	69.8	0.0	386.1	1	
8	144	-6951	-1897	17	0	-8	-2777	95.6	313.6	71.0	0.0	409.2	1	

ASTA NUM. 100 NI 818 NF 407 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				

1A	0	-4670	-912	1361	0	95	112	64.2	90.1	47.3	0.0	154.4	1
1B	0	-4670	-475	1361	0	95	-1972	64.2	296.0	47.3	0.0	360.2	1
1C	0	-4670	-912	-1806	0	-103	112	64.2	96.5	62.7	0.0	160.8	1
1D	0	-4670	-475	-1806	0	-103	-1972	64.2	302.3	62.7	0.0	366.6	1
1E	0	-2058	-912	1361	0	95	112	28.3	90.1	47.3	0.0	118.5	1
1F	0	-2058	-475	1361	0	95	-1972	28.3	296.0	47.3	0.0	324.3	1
1G	0	-2058	-912	-1806	0	-103	112	28.3	96.5	62.7	0.0	125.7	3
1H	0	-2058	-475	-1806	0	-103	-1972	28.3	302.3	62.7	0.0	330.6	1
1I	0	-6830	-1121	2459	0	140	1722	93.9	304.8	85.4	0.0	398.8	1
1J	0	-6830	-266	2459	0	140	-3582	93.9	510.7	85.4	0.0	604.6	1
1K	0	-6830	-1121	-2904	0	-148	1722	93.9	311.2	100.9	0.0	405.2	1
1L	0	-6830	-266	-2904	0	-148	-3582	93.9	517.0	100.9	0.0	611.0	1
1M	0	102	-1121	2459	0	140	1722	1.4	304.8	85.4	0.0	306.2	1
1N	0	102	-266	2459	0	140	-3582	1.4	510.7	85.4	0.0	512.1	1
1O	0	102	-1121	-2904	0	-148	1722	1.4	311.2	100.9	0.0	312.6	1
1P	0	102	-266	-2904	0	-148	-3582	1.4	517.0	100.9	0.0	518.4	1
2	0	-9309	-2803	-593	0	-9	-3488	128.0	392.9	104.8	0.0	521.0	1
7	0	-8071	-2197	-327	0	2	-2570	111.0	285.6	82.2	0.0	396.6	1
8	0	-7797	-2229	-532	0	-9	-2780	107.2	315.0	83.4	0.0	422.2	1
1A	12	-4670	-919	1361	0	-75	50	64.2	66.5	47.3	0.0	130.7	1
1B	12	-4670	-482	1361	0	-75	-2085	64.2	291.5	47.3	0.0	355.8	1
1C	12	-4670	-919	-1806	0	123	50	64.2	105.5	62.7	0.0	169.7	1
1D	12	-4670	-482	-1806	0	123	-2085	64.2	330.5	62.7	0.0	394.8	1
1E	12	-2058	-919	1361	0	-75	50	28.3	66.5	47.3	0.0	100.6	3
1F	12	-2058	-482	1361	0	-75	-2085	28.3	291.5	47.3	0.0	319.8	1
1G	12	-2058	-919	-1806	0	123	50	28.3	105.5	62.7	0.0	133.8	1
1H	12	-2058	-482	-1806	0	123	-2085	28.3	330.5	62.7	0.0	358.8	1
1I	12	-6830	-1128	2459	0	-167	1688	93.9	323.0	85.4	0.0	416.9	1
1J	12	-6830	-274	2459	0	-167	-3723	93.9	548.0	85.4	0.0	642.0	1
1K	12	-6830	-1128	-2904	0	215	1688	93.9	362.0	100.9	0.0	455.9	1
1L	12	-6830	-274	-2904	0	215	-3723	93.9	587.0	100.9	0.0	681.0	1
1M	12	102	-1128	2459	0	-167	1688	1.4	323.0	85.4	0.0	324.4	1
1N	12	102	-274	2459	0	-167	-3723	1.4	548.0	85.4	0.0	549.4	1
1O	12	102	-1128	-2904	0	215	1688	1.4	362.0	100.9	0.0	363.4	1
1P	12	102	-274	-2904	0	215	-3723	1.4	587.0	100.9	0.0	588.4	1
2	12	-9310	-2812	-593	0	65	-3839	128.1	478.0	105.2	0.0	606.1	1
7	12	-8071	-2206	-327	0	42	-2845	111.0	349.3	82.5	0.0	460.4	1
8	12	-7798	-2238	-532	0	57	-3059	107.3	385.2	83.7	0.0	492.5	1
1A	25	-4670	-926	1361	0	-245	-12	64.2	200.9	47.3	0.0	265.1	1
1B	25	-4670	-489	1361	0	-245	-2198	64.2	442.8	47.3	0.0	507.0	1
1C	25	-4670	-926	-1806	0	348	-12	64.2	285.2	62.7	0.0	349.5	1
1D	25	-4670	-489	-1806	0	348	-2198	64.2	527.1	62.7	0.0	591.4	1
1E	25	-2058	-926	1361	0	-245	-12	28.3	200.9	47.3	0.0	229.2	1
1F	25	-2058	-489	1361	0	-245	-2198	28.3	442.8	47.3	0.0	471.1	1
1G	25	-2058	-926	-1806	0	348	-12	28.3	285.2	62.7	0.0	313.5	1
1H	25	-2058	-489	-1806	0	348	-2198	28.3	527.1	62.7	0.0	555.4	1
1I	25	-6830	-1135	2459	0	-474	1654	93.9	569.6	85.4	0.0	663.6	1
1J	25	-6830	-281	2459	0	-474	-3864	93.9	814.1	85.4	0.0	908.1	1
1K	25	-6830	-1135	-2904	0	578	1654	93.9	654.0	100.9	0.0	747.9	1
1L	25	-6830	-281	-2904	0	578	-3864	93.9	898.5	100.9	0.0	992.4	1
1M	25	102	-1135	2459	0	-474	1654	1.4	569.6	85.4	0.0	571.0	1
1N	25	102	-281	2459	0	-474	-3864	1.4	814.1	85.4	0.0	815.5	1
1O	25	102	-1135	-2904	0	578	1654	1.4	654.0	100.9	0.0	655.4	1
1P	25	102	-281	-2904	0	578	-3864	1.4	898.5	100.9	0.0	899.9	1
2	25	-9310	-2822	-593	0	140	-4191	128.1	577.3	105.6	0.0	705.4	1
7	25	-8071	-2215	-327	0	83	-3122	111.0	413.2	82.9	0.0	524.3	1
8	25	-7798	-2247	-532	0	124	-3339	107.3	470.5	84.0	0.0	577.7	1

ASTA NUM. 101 NI 817 NF 814 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4349	428	34	0	67	95	59.8	65.4	16.0	0.0	125.2	1	
1B	0	-4349	917	34	0	67	-2489	59.8	330.3	34.3	0.0	390.1	1	
1C	0	-4349	428	-51	0	-86	95	59.8	80.4	16.0	0.0	140.2	1	
1D	0	-4349	917	-51	0	-86	-2489	59.8	345.3	34.3	0.0	405.1	1	
1E	0	-1955	428	34	0	67	95	26.9	65.4	16.0	0.0	92.3	1	
1F	0	-1955	917	34	0	67	-2489	26.9	330.3	34.3	0.0	357.2	1	
1G	0	-1955	428	-51	0	-86	95	26.9	80.4	16.0	0.0	107.3	1	
1H	0	-1955	917	-51	0	-86	-2489	26.9	345.3	34.3	0.0	372.2	1	
1I	0	-5638	266	69	0	145	1444	77.5	278.3	9.9	0.0	355.8	1	
1J	0	-5638	1079	69	0	145	-3838	77.5	543.1	40.4	0.0	620.7	1	
1K	0	-5638	266	-87	0	-164	1444	77.5	293.2	9.9	0.0	370.8	1	
1L	0	-5638	1079	-87	0	-164	-3838	77.5	558.1	40.4	0.0	635.7	1	
1M	0	-666	266	69	0	145	1444	9.2	278.3	9.9	0.0	287.4	1	
1N	0	-666	1079	69	0	145	-3838	9.2	543.1	40.4	0.0	552.3	1	
1O	0	-666	266	-87	0	-164	1444	9.2	293.2	9.9	0.0	302.4	1	
1P	0	-666	1079	-87	0	-164	-3838	9.2	558.1	40.4	0.0	567.3	1	
2	0	-7058	2675	-53	0	-75	-5448	97.1	663.7	100.1	0.0	760.8	1	
7	0	-5990	2166	-46	0	-68	-4476	82.4	550.3	81.0	0.0	632.7	1	
8	0	-6214	2139	-39	0	-54	-4305	85.5	520.1	80.0	0.0	605.6	1	
1A	72	-4348	387	34	0	44	396	59.8	79.4	14.5	0.0	139.2	1	
1B	72	-4348	876	34	0	44	-1852	59.8	240.4	32.8	0.0	300.2	1	
1C	72	-4348	387	-51	0	-49	396	59.8	84.1	14.5	0.0	143.9	1	
1D	72	-4348	876	-51	0	-49	-1852	59.8	245.2	32.8	0.0	305.0	1	
1E	72	-1954	387	34	0	44	396	26.9	79.4	14.5	0.0	106.2	1	
1F	72	-1954	876	34	0	44	-1852	26.9	240.4	32.8	0.0	267.3	1	

1G	72	-1954	387	-51	0	-49	396	26.9	84.1	14.5	0.0	111.0	1
1H	72	-1954	876	-51	0	-49	-1852	26.9	245.2	32.8	0.0	272.1	1
1I	72	-5637	225	69	0	96	1623	77.5	257.6	8.4	0.0	335.1	1
1J	72	-5637	1038	69	0	96	-3079	77.5	418.7	38.8	0.0	496.2	1
1K	72	-5637	225	-87	0	-102	1623	77.5	262.3	8.4	0.0	339.9	1
1L	72	-5637	1038	-87	0	-102	-3079	77.5	423.4	38.8	0.0	500.9	1
1M	72	-665	225	69	0	96	1623	9.2	257.6	8.4	0.0	266.7	1
1N	72	-665	1038	69	0	96	-3079	9.2	418.7	38.8	0.0	427.8	1
1O	72	-665	225	-87	0	-102	1623	9.2	262.3	8.4	0.0	271.5	1
1P	72	-665	1038	-87	0	-102	-3079	9.2	423.4	38.8	0.0	432.6	1
2	72	-7057	2622	-53	0	-37	-3544	97.1	422.1	98.1	0.0	519.1	1
7	72	-5988	2113	-46	0	-35	-2937	82.4	353.2	79.0	0.0	435.6	1
8	72	-6212	2086	-39	0	-25	-2787	85.5	329.1	78.0	0.0	414.5	1
1A	144	-4347	346	34	0	20	668	59.8	90.0	12.9	0.0	149.8	1
1B	144	-4347	835	34	0	20	-1245	59.8	153.9	31.2	0.0	213.7	1
1C	144	-4347	346	-51	0	-13	668	59.8	84.5	12.9	0.0	144.3	1
1D	144	-4347	835	-51	0	-13	-1245	59.8	148.4	31.2	0.0	208.2	1
1E	144	-1953	346	34	0	20	668	26.9	90.0	12.9	0.0	116.9	1
1F	144	-1953	835	34	0	20	-1245	26.9	153.9	31.2	0.0	180.7	1
1G	144	-1953	346	-51	0	-13	668	26.9	84.5	12.9	0.0	111.4	1
1H	144	-1953	835	-51	0	-13	-1245	26.9	148.4	31.2	0.0	175.2	1
1I	144	-5636	184	69	0	46	1772	77.5	233.7	6.9	0.0	311.2	1
1J	144	-5636	997	69	0	46	-2349	77.5	297.5	37.3	0.0	375.0	1
1K	144	-5636	184	-87	0	-39	1772	77.5	228.1	6.9	0.0	305.7	1
1L	144	-5636	997	-87	0	-39	-2349	77.5	292.0	37.3	0.0	369.5	1
1M	144	-664	184	69	0	46	1772	9.1	233.7	6.9	0.0	242.8	1
1N	144	-664	997	69	0	46	-2349	9.1	297.5	37.3	0.0	306.6	1
1O	144	-664	184	-87	0	-39	1772	9.1	228.1	6.9	0.0	237.3	1
1P	144	-664	997	-87	0	-39	-2349	9.1	292.0	37.3	0.0	301.1	1
2	144	-7056	2568	-53	0	1	-1678	97.1	186.6	96.1	0.0	298.6	3
7	144	-5987	2060	-46	0	-2	-1437	82.4	160.3	77.1	0.0	252.1	3
8	144	-6211	2032	-39	0	3	-1307	85.4	147.0	76.0	0.0	242.2	3

ASTA NUM. 102 NI 814 NF 813 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5052	271	27	0	20	669	69.5	90.2	10.1	0.0	159.7	1	
1B	0	-5052	762	27	0	20	-1245	69.5	153.9	28.5	0.0	223.4	1	
1C	0	-5052	271	-22	0	-12	669	69.5	84.1	10.1	0.0	153.6	1	
1D	0	-5052	762	-22	0	-12	-1245	69.5	147.8	28.5	0.0	217.3	1	
1E	0	-248	271	27	0	20	669	3.4	90.2	10.1	0.0	93.7	1	
1F	0	-248	762	27	0	20	-1245	3.4	153.9	28.5	0.0	157.3	1	
1G	0	-248	271	-22	0	-12	669	3.4	84.1	10.1	0.0	87.6	1	
1H	0	-248	762	-22	0	-12	-1245	3.4	147.8	28.5	0.0	151.2	1	
1I	0	-5077	106	40	0	47	1773	69.8	234.3	4.0	0.0	304.1	1	
1J	0	-5077	927	40	0	47	-2349	69.8	298.0	34.7	0.0	367.8	1	
1K	0	-5077	106	-35	0	-39	1773	69.8	228.2	4.0	0.0	298.0	1	
1L	0	-5077	927	-35	0	-39	-2349	69.8	291.9	34.7	0.0	361.7	1	
1M	0	-223	106	40	0	47	1773	3.1	234.3	4.0	0.0	237.4	1	
1N	0	-223	927	40	0	47	-2349	3.1	298.0	34.7	0.0	301.0	1	
1O	0	-223	106	-35	0	-39	1773	3.1	228.2	4.0	0.0	231.2	1	
1P	0	-223	927	-35	0	-39	-2349	3.1	291.9	34.7	0.0	294.9	1	
2	0	-4920	2084	3	0	3	-1675	67.7	187.6	78.0	0.0	261.6	3	
7	0	-4319	1691	0	0	-0	-1434	59.4	159.0	63.3	0.0	223.4	3	
8	0	-4518	1664	4	0	4	-1304	62.1	147.7	62.2	0.0	213.2	3	
1A	72	-5050	230	27	0	-2	867	69.5	97.4	8.6	0.0	166.9	1	
1B	72	-5050	721	27	0	-2	-730	69.5	82.2	27.0	0.0	151.7	1	
1C	72	-5050	230	-22	0	6	867	69.5	100.7	8.6	0.0	170.1	1	
1D	72	-5050	721	-22	0	6	-730	69.5	85.5	27.0	0.0	155.0	1	
1E	72	-248	230	27	0	-2	867	3.4	97.4	8.6	0.0	100.8	1	
1F	72	-248	721	27	0	-2	-730	3.4	82.2	27.0	0.0	86.4	3	
1G	72	-248	230	-22	0	6	867	3.4	100.7	8.6	0.0	104.1	1	
1H	72	-248	721	-22	0	6	-730	3.4	85.5	27.0	0.0	88.9	1	
1I	72	-5076	65	40	0	17	1840	69.8	217.6	2.4	0.0	287.4	1	
1J	72	-5076	886	40	0	17	-1703	69.8	202.5	33.1	0.0	272.3	1	
1K	72	-5076	65	-35	0	-13	1840	69.8	214.4	2.4	0.0	284.2	1	
1L	72	-5076	886	-35	0	-13	-1703	69.8	199.2	33.1	0.0	269.0	1	
1M	72	-222	65	40	0	17	1840	3.1	217.6	2.4	0.0	220.7	1	
1N	72	-222	886	40	0	17	-1703	3.1	202.5	33.1	0.0	205.5	1	
1O	72	-222	65	-35	0	-13	1840	3.1	214.4	2.4	0.0	217.4	1	
1P	72	-222	886	-35	0	-13	-1703	3.1	199.2	33.1	0.0	202.3	1	
2	72	-4918	2030	3	0	1	-196	67.7	22.1	76.0	0.0	147.9	4	
7	72	-4318	1638	0	0	-1	-237	59.4	26.8	61.3	0.0	121.6	4	
8	72	-4516	1610	4	0	2	-127	62.1	15.3	60.2	0.0	121.5	4	
1A	144	-5050	188	27	0	-23	1036	69.5	133.7	7.0	0.0	203.2	1	
1B	144	-5050	680	27	0	-23	-245	69.5	46.2	25.4	0.0	115.6	1	
1C	144	-5050	188	-22	0	24	1036	69.5	134.1	7.0	0.0	203.6	1	
1D	144	-5050	680	-22	0	24	-245	69.5	46.6	25.4	0.0	116.0	1	
1E	144	-246	188	27	0	-23	1036	3.4	133.7	7.0	0.0	137.1	1	
1F	144	-246	680	27	0	-23	-245	3.4	46.2	25.4	0.0	49.6	1	
1G	144	-246	188	-22	0	24	1036	3.4	134.1	7.0	0.0	137.5	1	
1H	144	-246	680	-22	0	24	-245	3.4	46.6	25.4	0.0	50.0	1	
1I	144	-5075	24	40	0	-12	1877	69.8	217.6	1.4	0.0	287.4	1	
1J	144	-5075	845	40	0	-12	-1086	69.8	130.1	31.6	0.0	199.9	1	
1K	144	-5075	24	-35	0	13	1877	69.8	218.0	1.2	0.0	287.8	1	
1L	144	-5075	845	-35	0	13	-1086	69.8	130.5	31.6	0.0	200.3	1	
1M	144	-221	24	40	0	-12	1877	3.0	217.6	1.4	0.0	220.7	1	

1N	144	-221	845	40	0	-12	-1086	3.0	130.1	31.6	0.0	133.1	1
1O	144	-221	24	-35	0	13	1877	3.0	218.0	1.2	0.0	221.0	1
1P	144	-221	845	-35	0	13	-1086	3.0	130.5	31.6	0.0	133.5	1
2	144	-4917	1977	3	0	-2	1245	67.6	139.2	74.0	0.0	219.2	3
7	144	-4316	1585	0	0	-1	921	59.4	102.7	59.3	0.0	173.2	3
8	144	-4515	1557	4	0	-1	1012	62.1	112.9	58.2	0.0	183.5	3

ASTA NUM. 103 NI 813 NF 812 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5526	108	4	0	23	1037	76.0	133.7	4.0	0.0	209.7	1	
1B	0	-5526	601	4	0	23	-245	76.0	46.0	22.5	0.0	122.0	1	
1C	0	-5526	108	-3	0	-22	1037	76.0	132.6	4.0	0.0	208.7	1	
1D	0	-5526	601	-3	0	-22	-245	76.0	45.0	22.5	0.0	121.0	1	
1E	0	1190	108	4	0	23	1037	16.4	133.7	4.0	0.0	150.0	1	
1F	0	1190	601	4	0	23	-245	16.4	46.0	22.5	0.0	62.4	1	
1G	0	1190	108	-3	0	-22	1037	16.4	132.6	4.0	0.0	149.0	1	
1H	0	1190	601	-3	0	-22	-245	16.4	45.0	22.5	0.0	61.4	1	
1I	0	-4114	-59	8	0	12	1878	56.6	217.7	2.2	0.0	274.3	1	
1J	0	-4114	769	8	0	12	-1086	56.6	130.0	28.8	0.0	186.6	1	
1K	0	-4114	-59	-6	0	-11	1878	56.6	216.6	2.2	0.0	273.2	1	
1L	0	-4114	769	-6	0	-11	-1086	56.6	129.0	28.8	0.0	185.6	1	
1M	0	-222	-59	8	0	12	1878	3.0	217.7	2.2	0.0	220.7	1	
1N	0	-222	769	8	0	12	-1086	3.0	130.0	28.8	0.0	133.1	1	
1O	0	-222	-59	-6	0	-11	1878	3.0	216.6	2.2	0.0	219.7	1	
1P	0	-222	769	-6	0	-11	-1086	3.0	129.0	28.8	0.0	132.1	1	
2	0	-2915	1467	4	0	-0	1248	40.1	138.2	54.9	0.0	183.6	3	
7	0	-2799	1196	3	0	0	923	38.5	102.4	44.7	0.0	146.2	3	
8	0	-2914	1169	3	0	0	1014	40.1	112.3	43.7	0.0	155.7	3	
1A	72	-5525	67	4	0	23	1162	76.0	147.7	2.5	0.0	223.7	1	
1B	72	-5525	560	4	0	23	110	76.0	31.3	21.0	0.0	107.3	1	
1C	72	-5525	67	-3	0	-23	1162	76.0	147.6	2.5	0.0	223.6	1	
1D	72	-5525	560	-3	0	-23	110	76.0	31.2	21.0	0.0	107.2	1	
1E	72	1191	67	4	0	23	1162	16.4	147.7	2.5	0.0	164.1	1	
1F	72	1191	560	4	0	23	110	16.4	31.3	21.0	0.0	47.7	1	
1G	72	1191	67	-3	0	-23	1162	16.4	147.6	2.5	0.0	164.0	1	
1H	72	1191	560	-3	0	-23	110	16.4	31.2	21.0	0.0	47.6	1	
1I	72	-4113	-100	8	0	12	1840	56.6	212.9	3.8	0.0	269.5	1	
1J	72	-4113	728	8	0	12	-567	56.6	72.1	27.2	0.0	128.7	1	
1K	72	-4113	-100	-6	0	-11	1840	56.6	212.8	3.8	0.0	269.3	1	
1L	72	-4113	728	-6	0	-11	-567	56.6	72.0	27.2	0.0	128.6	1	
1M	72	-221	-100	8	0	12	1840	3.0	212.9	3.8	0.0	215.9	1	
1N	72	-221	728	8	0	12	-567	3.0	72.1	27.2	0.0	75.2	1	
1O	72	-221	-100	-6	0	-11	1840	3.0	212.8	3.8	0.0	215.8	1	
1P	72	-221	728	-6	0	-11	-567	3.0	72.0	27.2	0.0	75.0	1	
2	72	-2914	1414	4	0	-3	2283	40.1	255.1	52.9	0.0	295.1	1	
7	72	-2798	1142	3	0	-2	1764	38.5	196.9	42.7	0.0	235.4	1	
8	72	-2912	1116	3	0	-2	1835	40.1	204.7	41.7	0.0	244.8	1	
1A	144	-5524	26	4	0	24	1258	76.0	158.5	1.0	0.0	234.5	1	
1B	144	-5524	519	4	0	24	436	76.0	67.5	19.4	0.0	143.5	1	
1C	144	-5524	26	-3	0	-25	1258	76.0	159.2	1.0	0.0	235.2	1	
1D	144	-5524	519	-3	0	-25	436	76.0	68.2	19.4	0.0	144.2	1	
1E	144	1192	26	4	0	24	1258	16.4	158.5	1.0	0.0	174.9	1	
1F	144	1192	519	4	0	24	436	16.4	67.5	19.4	0.0	83.9	1	
1G	144	1192	26	-3	0	-25	1258	16.4	159.2	1.0	0.0	175.6	1	
1H	144	1192	519	-3	0	-25	436	16.4	68.2	19.4	0.0	84.6	1	
1I	144	-4112	-141	8	0	11	1772	56.6	204.9	5.3	0.0	261.4	1	
1J	144	-4112	687	8	0	11	-78	56.6	17.5	25.7	0.0	74.0	1	
1K	144	-4112	-141	-6	0	-12	1772	56.6	205.6	5.3	0.0	262.2	1	
1L	144	-4112	687	-6	0	-12	-78	56.6	18.2	25.7	0.0	74.8	1	
1M	144	-220	-141	8	0	11	1772	3.0	204.9	5.3	0.0	207.9	1	
1N	144	-220	687	8	0	11	-78	3.0	17.5	25.7	0.0	44.6	4	
1O	144	-220	-141	-6	0	-12	1772	3.0	205.6	5.3	0.0	208.6	1	
1P	144	-220	687	-6	0	-12	-78	3.0	18.2	25.7	0.0	44.6	4	
2	144	-2912	1360	4	0	-6	3280	40.1	367.7	50.9	0.0	407.8	1	
7	144	-2797	1089	3	0	-5	2566	38.5	287.7	40.7	0.0	326.2	1	
8	144	-2911	1062	3	0	-4	2618	40.0	293.1	39.7	0.0	333.2	1	

ASTA NUM. 104 NI 812 NF 816 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5670	-60	15	0	24	1259	78.0	158.6	2.3	0.0	236.6	1	
1B	0	-5670	440	15	0	24	436	78.0	67.5	16.5	0.0	145.5	1	
1C	0	-5670	-60	7	0	-24	1259	78.0	158.7	2.3	0.0	236.7	1	
1D	0	-5670	440	7	0	-24	436	78.0	67.7	16.5	0.0	145.7	1	
1E	0	2238	-60	15	0	24	1259	30.8	158.6	2.3	0.0	189.4	1	
1F	0	2238	440	15	0	24	436	30.8	67.5	16.5	0.0	98.3	1	
1G	0	2238	-60	7	0	-24	1259	30.8	158.7	2.3	0.0	189.5	1	
1H	0	2238	440	7	0	-24	436	30.8	67.7	16.5	0.0	98.4	1	
1I	0	-3250	-228	17	0	12	1772	44.7	205.6	8.5	0.0	250.3	1	

1J	0	-3250	608	17	0	12	-78	44.7	18.1	22.7	0.0	62.8	1
1K	0	-3250	-228	6	0	-12	1772	44.7	205.7	8.5	0.0	250.4	1
1L	0	-3250	608	6	0	-12	-78	44.7	18.2	22.7	0.0	62.9	1
1M	0	-182	-228	17	0	12	1772	2.5	205.6	8.5	0.0	208.1	1
1N	0	-182	608	17	0	12	-78	2.5	18.1	22.7	0.0	39.5	4
1O	0	-182	-228	6	0	-12	1772	2.5	205.7	8.5	0.0	208.2	1
1P	0	-182	608	6	0	-12	-78	2.5	18.2	22.7	0.0	39.5	4
2	0	-968	835	59	0	-4	3282	13.3	366.6	31.2	0.0	379.9	1
7	0	-1331	690	46	0	-3	2568	18.3	286.9	25.8	0.0	305.2	1
8	0	-1362	662	46	0	-3	2619	18.7	292.2	24.8	0.0	310.9	1
1A	72	-5669	-101	15	0	13	1353	78.0	160.6	3.8	0.0	238.5	1
1B	72	-5669	399	15	0	13	585	78.0	75.6	14.9	0.0	153.6	1
1C	72	-5669	-101	7	0	-30	1353	78.0	174.0	3.8	0.0	251.9	1
1D	72	-5669	399	7	0	-30	585	78.0	89.0	14.9	0.0	167.0	1
1E	72	2239	-101	15	0	13	1353	30.8	160.6	3.8	0.0	191.4	1
1F	72	2239	399	15	0	13	585	30.8	75.6	14.9	0.0	106.4	1
1G	72	2239	-101	7	0	-30	1353	30.8	174.0	3.8	0.0	204.8	1
1H	72	2239	399	7	0	-30	585	30.8	89.0	14.9	0.0	119.8	1
1I	72	-3249	-269	17	0	1	1641	44.7	182.5	10.1	0.0	227.2	1
1J	72	-3249	567	17	0	1	298	44.7	33.9	21.2	0.0	80.5	3
1K	72	-3249	-269	6	0	-18	1641	44.7	195.9	10.1	0.0	240.6	1
1L	72	-3249	567	6	0	-18	298	44.7	47.3	21.2	0.0	92.0	1
1M	72	-181	-269	17	0	1	1641	2.5	182.5	10.1	0.0	185.0	1
1N	72	-181	567	17	0	1	298	2.5	33.9	21.2	0.0	43.6	3
1O	72	-181	-269	6	0	-18	1641	2.5	195.9	10.1	0.0	198.4	1
1P	72	-181	567	6	0	-18	298	2.5	47.3	21.2	0.0	49.8	1
2	72	-966	782	59	0	-47	3863	13.3	465.6	29.2	0.0	478.9	1
7	72	-1330	636	46	0	-36	3044	18.3	366.2	23.8	0.0	384.5	1
8	72	-1360	609	46	0	-36	3076	18.7	369.7	22.8	0.0	388.4	1
1A	144	-5668	-142	15	0	3	1418	78.0	159.3	5.3	0.0	237.3	1
1B	144	-5668	358	15	0	3	706	78.0	80.4	13.4	0.0	158.4	1
1C	144	-5668	-142	7	0	-36	1418	78.0	185.9	5.3	0.0	263.9	1
1D	144	-5668	358	7	0	-36	706	78.0	107.1	13.4	0.0	185.0	1
1E	144	2240	-142	15	0	3	1418	30.8	159.3	5.3	0.0	190.1	1
1F	144	2240	358	15	0	3	706	30.8	80.4	13.4	0.0	111.2	1
1G	144	2240	-142	7	0	-36	1418	30.8	185.9	5.3	0.0	216.7	1
1H	144	2240	358	7	0	-36	706	30.8	107.1	13.4	0.0	137.9	1
1I	144	-3248	-310	17	0	-9	1480	44.7	171.3	11.6	0.0	215.9	1
1J	144	-3248	526	17	0	-9	644	44.7	78.7	19.7	0.0	123.4	1
1K	144	-3248	-310	6	0	-23	1480	44.7	182.9	11.6	0.0	227.6	1
1L	144	-3248	526	6	0	-23	644	44.7	90.4	19.7	0.0	135.0	1
1M	144	-180	-310	17	0	-9	1480	2.5	171.3	11.6	0.0	173.7	1
1N	144	-180	526	17	0	-9	644	2.5	78.7	19.7	0.0	81.2	1
1O	144	-180	-310	6	0	-23	1480	2.5	182.9	11.6	0.0	185.4	1
1P	144	-180	526	6	0	-23	644	2.5	90.4	19.7	0.0	92.8	1
2	144	-965	728	59	0	-90	4406	13.3	560.4	27.2	0.0	573.7	1
7	144	-1328	583	46	0	-69	3482	18.3	441.4	21.8	0.0	459.6	1
8	144	-1359	556	46	0	-69	3495	18.7	442.9	20.8	0.0	461.6	1

ASTA NUM. 105 NI 816 NF 727 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5922	-231	16	0	3	1418	81.5	159.1	8.6	0.0	240.6	1	
1B	0	-5922	281	16	0	3	706	81.5	80.3	10.5	0.0	161.7	1	
1C	0	-5922	-231	-16	0	-35	1418	81.5	185.4	8.6	0.0	266.9	1	
1D	0	-5922	281	-16	0	-35	706	81.5	106.6	10.5	0.0	188.0	1	
1E	0	2906	-231	16	0	3	1418	40.0	159.1	8.6	0.0	199.1	1	
1F	0	2906	281	16	0	3	706	40.0	80.3	10.5	0.0	120.2	1	
1G	0	2906	-231	-16	0	-35	1418	40.0	185.4	8.6	0.0	225.4	1	
1H	0	2906	281	-16	0	-35	706	40.0	106.6	10.5	0.0	146.5	1	
1I	0	-3567	-386	6	0	-10	1480	49.1	171.6	14.4	0.0	220.7	1	
1J	0	-3567	436	6	0	-10	644	49.1	79.0	16.3	0.0	128.1	1	
1K	0	-3567	-386	-5	0	-23	1480	49.1	182.2	14.4	0.0	231.3	1	
1L	0	-3567	436	-5	0	-23	644	49.1	89.7	16.3	0.0	138.7	1	
1M	0	551	-386	6	0	-10	1480	7.6	171.6	14.4	0.0	179.2	1	
1N	0	551	436	6	0	-10	644	7.6	79.0	16.3	0.0	86.6	1	
1O	0	551	-386	-5	0	-23	1480	7.6	182.2	14.4	0.0	189.8	1	
1P	0	551	436	-5	0	-23	644	7.6	89.7	16.3	0.0	97.2	1	
2	0	-180	197	0	0	-89	4406	2.5	559.7	7.4	0.0	562.2	1	
7	0	-774	177	0	0	-68	3483	10.6	440.9	6.6	0.0	451.6	1	
8	0	-717	151	0	0	-68	3495	9.9	442.3	5.7	0.0	452.2	1	
1A	37	-5922	-252	16	0	9	1428	81.5	165.0	9.4	0.0	246.4	1	
1B	37	-5922	260	16	0	9	706	81.5	85.1	9.7	0.0	166.5	1	
1C	37	-5922	-252	-16	0	-41	1428	81.5	191.4	9.4	0.0	272.9	1	
1D	37	-5922	260	-16	0	-41	706	81.5	111.5	9.7	0.0	193.0	1	
1E	37	2907	-252	16	0	9	1428	40.0	165.0	9.4	0.0	205.0	1	
1F	37	2907	260	16	0	9	706	40.0	85.1	9.7	0.0	125.1	1	
1G	37	2907	-252	-16	0	-41	1428	40.0	191.4	9.4	0.0	231.4	1	
1H	37	2907	260	-16	0	-41	706	40.0	111.5	9.7	0.0	151.5	1	
1I	37	-3566	-407	6	0	-8	1369	49.1	157.8	15.2	0.0	206.9	1	
1J	37	-3566	414	6	0	-8	765	49.1	90.9	15.5	0.0	140.0	1	
1K	37	-3566	-407	-5	0	-25	1369	49.1	171.6	15.2	0.0	220.6	1	
1L	37	-3566	414	-5	0	-25	765	49.1	104.7	15.5	0.0	153.8	1	
1M	37	552	-407	6	0	-8	1369	7.6	157.8	15.2	0.0	165.4	1	
1N	37	552	414	6	0	-8	765	7.6	90.9	15.5	0.0	98.5	1	
1O	37	552	-407	-5	0	-25	1369	7.6	171.6	15.2	0.0	179.2	1	
1P	37	552	414	-5	0	-25	765	7.6	104.7	15.5	0.0	112.3	1	

2	37	-180	169	0	0	-89	4475	2.5	567.4	6.3	0.0	569.9	1
7	37	-773	150	0	0	-68	3544	10.6	447.8	5.6	0.0	458.4	1
8	37	-716	123	0	0	-68	3547	9.9	448.2	4.6	0.0	458.0	1
1A	75	-5921	-274	16	0	14	1430	81.4	169.9	10.2	0.0	251.4	1
1B	75	-5921	238	16	0	14	698	81.4	89.0	8.9	0.0	170.4	1
1C	75	-5921	-274	-16	0	-47	1430	81.4	196.5	10.2	0.0	278.0	1
1D	75	-5921	238	-16	0	-47	698	81.4	115.6	8.9	0.0	197.0	1
1E	75	2907	-274	16	0	14	1430	40.0	169.9	10.2	0.0	209.9	1
1F	75	2907	238	16	0	14	698	40.0	89.0	8.9	0.0	129.0	1
1G	75	2907	-274	-16	0	-47	1430	40.0	196.5	10.2	0.0	236.5	1
1H	75	2907	238	-16	0	-47	698	40.0	115.6	8.9	0.0	155.5	1
1I	75	-3566	-428	6	0	-6	1250	49.1	143.1	16.0	0.0	192.2	1
1J	75	-3566	393	6	0	-6	878	49.1	102.0	14.7	0.0	151.0	1
1K	75	-3566	-428	-5	0	-27	1250	49.1	160.0	16.0	0.0	209.1	1
1L	75	-3566	393	-5	0	-27	878	49.1	118.9	14.7	0.0	167.9	1
1M	75	552	-428	6	0	-6	1250	7.6	143.1	16.0	0.0	150.7	1
1N	75	552	393	6	0	-6	878	7.6	102.0	14.7	0.0	109.6	1
1O	75	552	-428	-5	0	-27	1250	7.6	160.0	16.0	0.0	167.6	1
1P	75	552	393	-5	0	-27	878	7.6	118.9	14.7	0.0	126.5	1
2	75	-179	141	0	0	-89	4533	2.5	574.0	5.3	0.0	576.4	1
7	75	-773	122	0	0	-68	3595	10.6	453.5	4.6	0.0	464.1	1
8	75	-716	96	0	0	-69	3588	9.8	452.9	3.6	0.0	462.7	1

ASTA NUM. 106 NI 825 NF 821 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6180	-220	22	0	43	3426	85.0	413.8	8.2	0.0	498.9	1	
1B	0	-6180	78	22	0	43	1198	85.0	167.4	2.9	0.0	252.4	1	
1C	0	-6180	-220	-14	0	-36	3426	85.0	408.4	8.2	0.0	493.4	1	
1D	0	-6180	78	-14	0	-36	1198	85.0	162.0	2.9	0.0	247.0	1	
1E	0	2610	-220	22	0	43	3426	35.9	413.8	8.2	0.0	449.7	1	
1F	0	2610	78	22	0	43	1198	35.9	167.4	2.9	0.0	203.3	1	
1G	0	2610	-220	-14	0	-36	3426	35.9	408.4	8.2	0.0	444.3	1	
1H	0	2610	78	-14	0	-36	1198	35.9	162.0	2.9	0.0	197.9	1	
1I	0	-4014	-138	23	0	23	2681	55.2	315.5	5.2	0.0	370.7	1	
1J	0	-4014	-3	23	0	23	1943	55.2	233.8	0.8	0.0	289.0	1	
1K	0	-4014	-138	-15	0	-16	2681	55.2	310.1	5.2	0.0	365.3	1	
1L	0	-4014	-3	-15	0	-16	1943	55.2	228.3	0.5	0.0	283.6	1	
1M	0	444	-138	23	0	23	2681	6.1	315.5	5.2	0.0	321.6	1	
1N	0	444	-3	23	0	23	1943	6.1	233.8	0.8	0.0	239.9	1	
1O	0	444	-138	-15	0	-16	2681	6.1	310.1	5.2	0.0	316.2	1	
1P	0	444	-3	-15	0	-16	1943	6.1	228.3	0.5	0.0	234.4	1	
2	0	-7906	-476	17	0	10	11040	108.7	1229.6	17.8	0.0	1338.3	1	
7	0	-6144	-361	13	0	8	8649	84.5	963.0	13.5	0.0	1047.6	1	
8	0	-6243	-360	14	0	8	8632	85.9	961.9	13.5	0.0	1047.7	1	
1A	72	-6181	-261	22	0	31	3266	85.0	386.9	9.7	0.0	471.9	1	
1B	72	-6181	37	22	0	31	1227	85.0	161.3	1.4	0.0	246.3	1	
1C	72	-6181	-261	-14	0	-31	3266	85.0	386.5	9.7	0.0	471.5	1	
1D	72	-6181	37	-14	0	-31	1227	85.0	160.9	1.4	0.0	245.9	1	
1E	72	2609	-261	22	0	31	3266	35.9	386.9	9.7	0.0	422.7	1	
1F	72	2609	37	22	0	31	1227	35.9	161.3	1.4	0.0	197.1	1	
1G	72	2609	-261	-14	0	-31	3266	35.9	386.5	9.7	0.0	422.4	1	
1H	72	2609	37	-14	0	-31	1227	35.9	160.9	1.4	0.0	196.8	1	
1I	72	-4016	-179	23	0	1	2600	55.2	288.4	6.7	0.0	343.6	1	
1J	72	-4016	-44	23	0	1	1894	55.2	210.2	1.6	0.0	265.5	1	
1K	72	-4016	-179	-15	0	-0	2600	55.2	288.0	6.7	0.0	343.3	1	
1L	72	-4016	-44	-15	0	-0	1894	55.2	209.9	1.6	0.0	265.1	1	
1M	72	444	-179	23	0	1	2600	6.1	288.4	6.7	0.0	294.5	1	
1N	72	444	-44	23	0	1	1894	6.1	210.2	1.6	0.0	216.3	1	
1O	72	444	-179	-15	0	-0	2600	6.1	288.0	6.7	0.0	294.1	1	
1P	72	444	-44	-15	0	-0	1894	6.1	209.9	1.6	0.0	216.0	1	
2	72	-7908	-529	17	0	-2	10679	108.8	1183.5	19.8	0.0	1292.2	1	
7	72	-6146	-414	13	0	-1	8371	84.5	927.3	15.5	0.0	1011.8	1	
8	72	-6244	-414	14	0	-2	8354	85.9	925.6	15.5	0.0	1011.4	1	
1A	144	-6182	-302	22	0	20	3078	85.0	356.6	11.3	0.0	441.7	1	
1B	144	-6182	-4	22	0	20	1226	85.0	151.8	0.8	0.0	236.9	1	
1C	144	-6182	-302	-14	0	-26	3078	85.0	361.3	11.3	0.0	446.4	1	
1D	144	-6182	-4	-14	0	-26	1226	85.0	156.5	0.5	0.0	241.6	1	
1E	144	2608	-302	22	0	20	3078	35.9	356.6	11.3	0.0	392.5	1	
1F	144	2608	-4	22	0	20	1226	35.9	151.8	0.8	0.0	187.7	1	
1G	144	2608	-302	-14	0	-26	3078	35.9	361.3	11.3	0.0	397.2	1	
1H	144	2608	-4	-14	0	-26	1226	35.9	156.5	0.5	0.0	192.4	1	
1I	144	-4016	-220	23	0	-21	2489	55.2	292.7	8.2	0.0	348.0	1	
1J	144	-4016	-85	23	0	-21	1815	55.2	218.2	3.2	0.0	273.4	1	
1K	144	-4016	-220	-15	0	16	2489	55.2	288.0	8.2	0.0	343.2	1	
1L	144	-4016	-85	-15	0	16	1815	55.2	213.5	3.2	0.0	268.7	1	
1M	144	442	-220	23	0	-21	2489	6.1	292.7	8.2	0.0	298.8	1	
1N	144	442	-85	23	0	-21	1815	6.1	218.2	3.2	0.0	224.3	1	
1O	144	442	-220	-15	0	16	2489	6.1	288.0	8.2	0.0	294.1	1	
1P	144	442	-85	-15	0	16	1815	6.1	213.5	3.2	0.0	219.5	1	
2	144	-7909	-583	17	0	-15	10280	108.8	1149.5	21.8	0.0	1258.3	1	
7	144	-6147	-467	13	0	-10	8054	84.6	899.6	17.5	0.0	984.1	1	
8	144	-6246	-467	14	0	-12	8037	85.9	898.7	17.5	0.0	984.7	1	

ASTA NUM. 107 NI 821 NF 820 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.

qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5414	-414	8	0	20	3078	74.5	356.6	15.5	0.0	431.1	1	
1B	0	-5414	-58	8	0	20	1226	74.5	151.7	2.2	0.0	226.2	1	
1C	0	-5414	-414	-13	0	-25	3078	74.5	361.1	15.5	0.0	435.6	1	
1D	0	-5414	-58	-13	0	-25	1226	74.5	156.2	2.2	0.0	230.7	1	
1E	0	2670	-414	8	0	20	3078	36.7	356.6	15.5	0.0	393.4	1	
1F	0	2670	-58	8	0	20	1226	36.7	151.7	2.2	0.0	188.4	1	
1G	0	2670	-414	-13	0	-25	3078	36.7	361.1	15.5	0.0	397.8	1	
1H	0	2670	-58	-13	0	-25	1226	36.7	156.2	2.2	0.0	192.9	1	
1I	0	-4373	-299	24	0	11	2489	60.1	284.4	11.2	0.0	344.5	1	
1J	0	-4373	-173	24	0	11	1815	60.1	209.8	6.5	0.0	269.9	1	
1K	0	-4373	-299	-28	0	-17	2489	60.1	288.9	11.2	0.0	349.0	1	
1L	0	-4373	-173	-28	0	-17	1815	60.1	214.3	6.5	0.0	274.4	1	
1M	0	1629	-299	24	0	11	2489	22.4	284.4	11.2	0.0	306.8	1	
1N	0	1629	-173	24	0	11	1815	22.4	209.8	6.5	0.0	232.2	1	
1O	0	1629	-299	-28	0	-17	2489	22.4	288.9	11.2	0.0	311.3	1	
1P	0	1629	-173	-28	0	-17	1815	22.4	214.3	6.5	0.0	236.7	1	
2	0	-5748	-1264	-17	0	-19	10280	79.1	1152.5	47.3	0.0	1231.6	1	
7	0	-4408	-978	-14	0	-14	8056	60.6	903.0	36.6	0.0	963.6	1	
8	0	-4583	-977	-13	0	-14	8039	63.0	900.8	36.5	0.0	963.9	1	
1A	72	-5414	-455	8	0	25	2770	74.5	326.9	17.0	0.0	401.4	1	
1B	72	-5414	-99	8	0	25	1165	74.5	149.3	3.7	0.0	223.8	1	
1C	72	-5414	-455	-13	0	-27	2770	74.5	328.6	17.0	0.0	403.1	1	
1D	72	-5414	-99	-13	0	-27	1165	74.5	151.1	3.7	0.0	225.5	1	
1E	72	2668	-455	8	0	25	2770	36.7	326.9	17.0	0.0	363.6	1	
1F	72	2668	-99	8	0	25	1165	36.7	149.3	3.7	0.0	186.0	1	
1G	72	2668	-455	-13	0	-27	2770	36.7	328.6	17.0	0.0	365.3	1	
1H	72	2668	-99	-13	0	-27	1165	36.7	151.1	3.7	0.0	187.8	1	
1I	72	-4374	-340	24	0	-12	2273	60.2	260.9	12.7	0.0	321.1	1	
1J	72	-4374	-214	24	0	-12	1663	60.2	193.4	8.0	0.0	253.6	1	
1K	72	-4374	-340	-28	0	10	2273	60.2	259.2	12.7	0.0	319.4	1	
1L	72	-4374	-214	-28	0	10	1663	60.2	191.7	8.0	0.0	251.9	1	
1M	72	1628	-340	24	0	-12	2273	22.4	260.9	12.7	0.0	283.3	1	
1N	72	1628	-214	24	0	-12	1663	22.4	193.4	8.0	0.0	215.8	1	
1O	72	1628	-340	-28	0	10	2273	22.4	259.2	12.7	0.0	281.6	1	
1P	72	1628	-214	-28	0	10	1663	22.4	191.7	8.0	0.0	214.1	1	
2	72	-5750	-1318	-17	0	-6	9354	79.1	1040.0	49.3	0.0	1119.1	1	
7	72	-4410	-1032	-14	0	-4	7333	60.7	814.5	38.6	0.0	875.2	1	
8	72	-4584	-1030	-13	0	-5	7318	63.1	813.6	38.5	0.0	876.7	1	
1A	144	-5416	-496	8	0	30	2433	74.5	294.0	18.6	0.0	368.4	1	
1B	144	-5416	-140	8	0	30	1075	74.5	143.7	5.2	0.0	218.2	1	
1C	144	-5416	-496	-13	0	-29	2433	74.5	292.9	18.6	0.0	367.4	1	
1D	144	-5416	-140	-13	0	-29	1075	74.5	142.6	5.2	0.0	217.1	1	
1E	144	2668	-496	8	0	30	2433	36.7	294.0	18.6	0.0	330.6	1	
1F	144	2668	-140	8	0	30	1075	36.7	143.7	5.2	0.0	180.4	1	
1G	144	2668	-496	-13	0	-29	2433	36.7	292.9	18.6	0.0	329.6	1	
1H	144	2668	-140	-13	0	-29	1075	36.7	142.6	5.2	0.0	179.3	1	
1I	144	-4375	-381	24	0	-34	2027	60.2	252.2	14.3	0.0	312.4	1	
1J	144	-4375	-255	24	0	-34	1481	60.2	191.8	9.5	0.0	252.0	1	
1K	144	-4375	-381	-28	0	36	2027	60.2	253.3	14.3	0.0	313.5	1	
1L	144	-4375	-255	-28	0	36	1481	60.2	192.9	9.5	0.0	253.0	1	
1M	144	1627	-381	24	0	-34	2027	22.4	252.2	14.3	0.0	274.6	1	
1N	144	1627	-255	24	0	-34	1481	22.4	191.8	9.5	0.0	214.2	1	
1O	144	1627	-381	-28	0	36	2027	22.4	253.3	14.3	0.0	275.7	1	
1P	144	1627	-255	-28	0	36	1481	22.4	192.9	9.5	0.0	215.2	1	
2	144	-5751	-1371	-17	0	6	8390	79.1	933.1	51.3	0.0	1012.2	1	
7	144	-4411	-1085	-14	0	6	6572	60.7	732.3	40.6	0.0	793.0	1	
8	144	-4586	-1083	-13	0	4	6558	63.1	728.9	40.5	0.0	792.0	1	

ASTA NUM. 108 NI 820 NF 819 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4161	-616	18	0	26	2435	57.2	290.9	23.1	0.0	348.1	1	
1B	0	-4161	-202	18	0	26	1075	57.2	140.5	7.6	0.0	197.7	1	
1C	0	-4161	-616	-26	0	-25	2435	57.2	289.7	23.1	0.0	346.9	1	
1D	0	-4161	-202	-26	0	-25	1075	57.2	139.3	7.6	0.0	196.5	1	
1E	0	2338	-616	18	0	26	2435	32.2	290.9	23.1	0.0	323.0	1	
1F	0	2338	-202	18	0	26	1075	32.2	140.5	7.6	0.0	172.6	1	
1G	0	2338	-616	-26	0	-25	2435	32.2	289.7	23.1	0.0	321.9	1	
1H	0	2338	-202	-26	0	-25	1075	32.2	139.3	7.6	0.0	171.4	1	
1I	0	-4542	-482	50	0	16	2028	62.5	237.6	18.0	0.0	300.0	1	
1J	0	-4542	-336	50	0	16	1482	62.5	177.1	12.6	0.0	239.6	1	
1K	0	-4542	-482	-57	0	-15	2028	62.5	236.4	18.0	0.0	298.9	1	
1L	0	-4542	-336	-57	0	-15	1482	62.5	175.9	12.6	0.0	238.4	1	
1M	0	2719	-482	50	0	16	2028	37.4	237.6	18.0	0.0	275.0	1	
1N	0	2719	-336	50	0	16	1482	37.4	177.1	12.6	0.0	214.5	1	
1O	0	2719	-482	-57	0	-15	2028	37.4	236.4	18.0	0.0	273.8	1	
1P	0	2719	-336	-57	0	-15	1482	37.4	175.9	12.6	0.0	213.3	1	
2	0	-3442	-2092	-6	0	2	8393	47.3	930.2	78.3	0.0	977.5	1	
7	0	-2557	-1628	-3	0	2	6574	35.2	729.2	60.9	0.0	764.3	1	
8	0	-2800	-1624	-6	0	2	6560	38.5	727.0	60.7	0.0	765.6	1	

1A	72	-4162	-657	18	0	34	1977	57.2	246.5	24.6	0.0	303.7	1
1B	72	-4162	-243	18	0	34	915	57.2	129.0	9.1	0.0	186.2	1
1C	72	-4162	-657	-26	0	-27	1977	57.2	240.8	24.6	0.0	298.1	1
1D	72	-4162	-243	-26	0	-27	915	57.2	123.3	9.1	0.0	180.5	1
1E	72	2337	-657	18	0	34	1977	32.1	246.5	24.6	0.0	278.6	1
1F	72	2337	-243	18	0	34	915	32.1	129.0	9.1	0.0	161.1	1
1G	72	2337	-657	-26	0	-27	1977	32.1	240.8	24.6	0.0	273.0	1
1H	72	2337	-243	-26	0	-27	915	32.1	123.3	9.1	0.0	155.4	1
1I	72	-4542	-523	50	0	-24	1667	62.5	204.0	19.6	0.0	266.4	1
1J	72	-4542	-377	50	0	-24	1224	62.5	155.0	14.1	0.0	217.5	1
1K	72	-4542	-523	-57	0	31	1667	62.5	209.6	19.6	0.0	272.1	1
1L	72	-4542	-377	-57	0	31	1224	62.5	160.6	14.1	0.0	223.1	1
1M	72	2718	-523	50	0	-24	1667	37.4	204.0	19.6	0.0	241.3	1
1N	72	2718	-377	50	0	-24	1224	37.4	155.0	14.1	0.0	192.4	1
1O	72	2718	-523	-57	0	31	1667	37.4	209.6	19.6	0.0	247.0	1
1P	72	2718	-377	-57	0	31	1224	37.4	160.6	14.1	0.0	198.0	1
2	72	-3444	-2146	-6	0	7	6870	47.4	765.4	80.3	0.0	812.7	1
7	72	-2558	-1681	-3	0	5	5385	35.2	599.4	62.9	0.0	634.6	1
8	72	-2802	-1678	-6	0	6	5373	38.5	599.5	62.7	0.0	638.1	1
1A	144	-4163	-698	18	0	42	1490	57.3	198.9	26.1	0.0	256.1	1
1B	144	-4163	-285	18	0	42	724	57.3	114.2	10.6	0.0	171.5	1
1C	144	-4163	-698	-26	0	-29	1490	57.3	188.7	26.1	0.0	246.0	1
1D	144	-4163	-285	-26	0	-29	724	57.3	104.1	10.6	0.0	161.3	1
1E	144	2336	-698	18	0	42	1490	32.1	198.9	26.1	0.0	231.0	1
1F	144	2336	-285	18	0	42	724	32.1	114.2	10.6	0.0	146.4	1
1G	144	2336	-698	-26	0	-29	1490	32.1	188.7	26.1	0.0	220.8	1
1H	144	2336	-285	-26	0	-29	724	32.1	104.1	10.6	0.0	136.2	1
1I	144	-4544	-564	50	0	-64	1276	62.5	193.4	21.1	0.0	255.9	1
1J	144	-4544	-419	50	0	-64	938	62.5	156.0	15.7	0.0	218.5	1
1K	144	-4544	-564	-57	0	77	1276	62.5	203.6	21.1	0.0	266.1	1
1L	144	-4544	-419	-57	0	77	938	62.5	166.1	15.7	0.0	228.6	1
1M	144	2717	-564	50	0	-64	1276	37.4	193.4	21.1	0.0	230.8	1
1N	144	2717	-419	50	0	-64	938	37.4	156.0	15.7	0.0	193.3	1
1O	144	2717	-564	-57	0	77	1276	37.4	203.6	21.1	0.0	241.0	1
1P	144	2717	-419	-57	0	77	938	37.4	166.1	15.7	0.0	203.5	1
2	144	-3445	-2199	-6	0	11	5308	47.4	596.3	82.3	0.0	643.7	1
7	144	-2559	-1734	-3	0	7	4157	35.2	465.5	64.9	0.0	500.7	1
8	144	-2803	-1731	-6	0	11	4148	38.6	467.7	64.7	0.0	506.3	1

ASTA NUM. 109 NI 819 NF 828 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2343	-826	180	0	51	1491	32.2	207.0	30.9	0.0	239.2	1	
1B	0	-2343	-367	180	0	51	725	32.2	122.1	13.7	0.0	154.3	1	
1C	0	-2343	-826	-149	0	-39	1491	32.2	196.5	30.9	0.0	228.8	1	
1D	0	-2343	-367	-149	0	-39	725	32.2	111.7	13.7	0.0	143.9	1	
1E	0	1458	-826	180	0	51	1491	20.1	207.0	30.9	0.0	227.0	1	
1F	0	1458	-367	180	0	51	725	20.1	122.1	13.7	0.0	142.2	1	
1G	0	1458	-826	-149	0	-39	1491	20.1	196.5	30.9	0.0	216.6	1	
1H	0	1458	-367	-149	0	-39	725	20.1	111.7	13.7	0.0	131.8	1	
1I	0	-3944	-692	459	0	99	1277	54.3	221.9	25.9	0.0	276.2	1	
1J	0	-3944	-501	459	0	99	939	54.3	184.5	18.7	0.0	238.7	1	
1K	0	-3944	-692	-428	0	-86	1277	54.3	211.5	25.9	0.0	265.8	1	
1L	0	-3944	-501	-428	0	-86	939	54.3	174.1	18.7	0.0	228.3	1	
1M	0	3060	-692	459	0	99	1277	42.1	221.9	25.9	0.0	264.0	1	
1N	0	3060	-501	459	0	99	939	42.1	184.5	18.7	0.0	226.6	1	
1O	0	3060	-692	-428	0	-86	1277	42.1	211.5	25.9	0.0	253.6	1	
1P	0	3060	-501	-428	0	-86	939	42.1	174.1	18.7	0.0	216.2	1	
2	0	-1314	-2985	-24	0	7	5313	18.1	593.8	111.7	0.0	611.9	1	
7	0	-888	-2327	-42	0	3	4161	12.2	462.6	87.0	0.0	474.8	1	
8	0	-1127	-2322	-5	0	9	4152	15.5	466.3	86.9	0.0	481.8	1	
1A	72	-2344	-867	180	0	-81	883	32.2	164.1	32.4	0.0	196.3	1	
1B	72	-2344	-408	180	0	-81	446	32.2	115.7	15.3	0.0	147.9	1	
1C	72	-2344	-867	-149	0	72	883	32.2	156.4	32.4	0.0	188.6	1	
1D	72	-2344	-408	-149	0	72	446	32.2	108.0	15.3	0.0	140.2	1	
1E	72	1457	-867	180	0	-81	883	20.0	164.1	32.4	0.0	184.1	1	
1F	72	1457	-408	180	0	-81	446	20.0	115.7	15.3	0.0	135.7	1	
1G	72	1457	-867	-149	0	72	883	20.0	156.4	32.4	0.0	176.4	1	
1H	72	1457	-408	-149	0	72	446	20.0	108.0	15.3	0.0	128.0	1	
1I	72	-3945	-733	459	0	-232	765	54.3	273.7	27.4	0.0	328.0	1	
1J	72	-3945	-542	459	0	-232	564	54.3	251.5	20.3	0.0	305.7	1	
1K	72	-3945	-733	-428	0	223	765	54.3	266.0	27.4	0.0	320.3	1	
1L	72	-3945	-542	-428	0	223	564	54.3	243.8	20.3	0.0	298.0	1	
1M	72	3059	-733	459	0	-232	765	42.1	273.7	27.4	0.0	315.8	1	
1N	72	3059	-542	459	0	-232	564	42.1	251.5	20.3	0.0	293.5	1	
1O	72	3059	-733	-428	0	223	765	42.1	266.0	27.4	0.0	308.1	1	
1P	72	3059	-542	-428	0	223	564	42.1	243.8	20.3	0.0	285.8	1	
2	72	-1316	-3038	-24	0	25	3148	18.1	368.5	113.6	0.0	386.6	1	
7	72	-889	-2380	-42	0	33	2469	12.2	299.8	89.0	0.0	312.0	1	
8	72	-1128	-2376	-5	0	12	2463	15.5	282.6	88.9	0.0	298.1	1	
1A	144	-2345	-908	180	0	-214	245	32.3	201.8	33.9	0.0	234.1	1	
1B	144	-2345	-449	180	0	-214	137	32.3	189.9	16.8	0.0	222.2	1	
1C	144	-2345	-908	-149	0	183	245	32.3	176.0	33.9	0.0	208.3	1	
1D	144	-2345	-449	-149	0	183	137	32.3	164.1	16.8	0.0	196.3	1	
1E	144	1456	-908	180	0	-214	245	20.0	201.8	33.9	0.0	221.9	1	
1F	144	1456	-449	180	0	-214	137	20.0	189.9	16.8	0.0	209.9	1	

1G	144	1456	-908	-149	0	183	245	20.0	176.0	33.9	0.0	196.1	1
1H	144	1456	-449	-149	0	183	137	20.0	164.1	16.8	0.0	184.1	1
1I	144	-3946	-774	459	0	-563	223	54.3	483.5	29.0	0.0	537.8	1
1J	144	-3946	-583	459	0	-563	159	54.3	476.4	21.8	0.0	530.7	1
1K	144	-3946	-774	-428	0	531	223	54.3	457.7	29.0	0.0	512.0	1
1L	144	-3946	-583	-428	0	531	159	54.3	450.6	21.8	0.0	504.9	1
1M	144	3058	-774	459	0	-563	223	42.1	483.5	29.0	0.0	525.6	1
1N	144	3058	-583	459	0	-563	159	42.1	476.4	21.8	0.0	518.5	1
1O	144	3058	-774	-428	0	531	223	42.1	457.7	29.0	0.0	499.7	1
1P	144	3058	-583	-428	0	531	159	42.1	450.6	21.8	0.0	492.7	1
2	144	-1317	-3091	-24	0	42	944	18.1	138.9	115.6	0.0	201.2	4
7	144	-890	-2434	-42	0	63	738	12.2	132.7	91.0	0.0	158.4	4
8	144	-1130	-2429	-5	0	16	736	15.5	94.6	90.9	0.0	158.2	4

ASTA NUM. 110 NI 828 NF 408 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1508	-1036	929	0	178	247	20.7	172.2	38.7	0.0	192.9	1	
1B	0	-1508	-568	929	0	178	138	20.7	160.0	32.3	0.0	180.8	1	
1C	0	-1508	-1036	-1091	0	-209	247	20.7	198.1	38.7	0.0	218.8	1	
1D	0	-1508	-568	-1091	0	-209	138	20.7	186.0	37.9	0.0	206.7	1	
1E	0	1054	-1036	929	0	178	247	14.5	172.2	38.7	0.0	186.7	1	
1F	0	1054	-568	929	0	178	138	14.5	160.0	32.3	0.0	174.5	1	
1G	0	1054	-1036	-1091	0	-209	247	14.5	198.1	38.7	0.0	212.6	1	
1H	0	1054	-568	-1091	0	-209	138	14.5	186.0	37.9	0.0	200.5	1	
1I	0	-3666	-905	933	0	519	224	50.4	447.4	33.8	0.0	497.8	1	
1J	0	-3666	-699	933	0	519	161	50.4	440.4	32.4	0.0	490.9	1	
1K	0	-3666	-905	-1095	0	-550	224	50.4	473.3	38.0	0.0	523.7	1	
1L	0	-3666	-699	-1095	0	-550	161	50.4	466.4	38.0	0.0	516.8	1	
1M	0	3211	-905	933	0	519	224	44.2	447.4	33.8	0.0	491.5	1	
1N	0	3211	-699	933	0	519	161	44.2	440.4	32.4	0.0	484.6	1	
1O	0	3211	-905	-1095	0	-550	224	44.2	473.3	38.0	0.0	517.5	1	
1P	0	3211	-699	-1095	0	-550	161	44.2	466.4	38.0	0.0	510.5	1	
2	0	-344	-3972	-460	0	39	951	4.7	137.3	148.6	0.0	257.4	4	
7	0	-138	-3099	-340	0	60	743	1.9	131.0	115.9	0.0	200.8	4	
8	0	-361	-3094	-359	0	14	741	5.0	93.6	115.7	0.0	200.5	4	
1A	12	-1508	-1043	929	0	300	115	20.7	257.0	39.0	0.0	277.8	1	
1B	12	-1508	-575	929	0	300	69	20.7	251.9	32.3	0.0	272.6	1	
1C	12	-1508	-1043	-1091	0	-311	115	20.7	266.4	39.0	0.0	287.2	1	
1D	12	-1508	-575	-1091	0	-311	69	20.7	261.3	37.9	0.0	282.0	1	
1E	12	1054	-1043	929	0	300	115	14.5	257.0	39.0	0.0	271.5	1	
1F	12	1054	-575	929	0	300	69	14.5	251.9	32.3	0.0	266.4	1	
1G	12	1054	-1043	-1091	0	-311	115	14.5	266.4	39.0	0.0	280.9	1	
1H	12	1054	-575	-1091	0	-311	69	14.5	261.3	37.9	0.0	275.8	1	
1I	12	-3666	-912	933	0	648	112	50.4	540.6	34.1	0.0	591.0	1	
1J	12	-3666	-706	933	0	648	72	50.4	536.1	32.4	0.0	586.6	1	
1K	12	-3666	-912	-1095	0	-660	112	50.4	550.0	38.0	0.0	600.4	1	
1L	12	-3666	-706	-1095	0	-660	72	50.4	545.5	38.0	0.0	595.9	1	
1M	12	3211	-912	933	0	648	112	44.2	540.6	34.1	0.0	584.8	1	
1N	12	3211	-706	933	0	648	72	44.2	536.1	32.4	0.0	580.3	1	
1O	12	3211	-912	-1095	0	-660	112	44.2	550.0	38.0	0.0	594.2	1	
1P	12	3211	-706	-1095	0	-660	72	44.2	545.5	38.0	0.0	589.7	1	
2	12	-344	-3982	-460	0	97	454	4.7	129.2	148.9	0.0	258.1	4	
7	12	-138	-3108	-340	0	102	355	1.9	122.7	116.3	0.0	201.4	4	
8	12	-362	-3103	-359	0	59	354	5.0	87.4	116.1	0.0	201.2	4	
1A	25	-1509	-1050	929	0	422	-18	20.8	345.8	39.3	0.0	366.5	1	
1B	25	-1509	-583	929	0	422	-1	20.8	344.0	32.3	0.0	364.7	1	
1C	25	-1509	-1050	-1091	0	-413	-18	20.8	338.6	39.3	0.0	359.3	1	
1D	25	-1509	-583	-1091	0	-413	-1	20.8	336.8	37.9	0.0	357.5	1	
1E	25	1053	-1050	929	0	422	-18	14.5	345.8	39.3	0.0	360.3	1	
1F	25	1053	-583	929	0	422	-1	14.5	344.0	32.3	0.0	358.5	1	
1G	25	1053	-1050	-1091	0	-413	-18	14.5	338.6	39.3	0.0	353.1	1	
1H	25	1053	-583	-1091	0	-413	-1	14.5	336.8	37.9	0.0	351.3	1	
1I	25	-3666	-919	933	0	778	-0	50.4	633.9	34.4	0.0	684.3	1	
1J	25	-3666	-713	933	0	778	-19	50.4	635.9	32.4	0.0	686.3	1	
1K	25	-3666	-919	-1095	0	-769	-0	50.4	626.7	38.0	0.0	677.1	1	
1L	25	-3666	-713	-1095	0	-769	-19	50.4	628.7	38.0	0.0	679.2	1	
1M	25	3211	-919	933	0	778	-0	44.2	633.9	34.4	0.0	678.0	1	
1N	25	3211	-713	933	0	778	-19	44.2	635.9	32.4	0.0	680.1	1	
1O	25	3211	-919	-1095	0	-769	-0	44.2	626.7	38.0	0.0	670.9	1	
1P	25	3211	-713	-1095	0	-769	-19	44.2	628.7	38.0	0.0	672.9	1	
2	25	-344	-3991	-460	0	154	-44	4.7	130.7	149.3	0.0	258.8	4	
7	25	-138	-3117	-340	0	145	-34	1.9	121.8	116.6	0.0	202.1	4	
8	25	-362	-3112	-359	0	104	-35	5.0	88.7	116.4	0.0	201.8	4	

ASTA NUM. 111 NI 827 NF 824 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1971	440	166	0	199	248	27.1	189.2	16.5	0.0	216.4	1	
1B	0	-1971	913	166	0	199	133	27.1	176.5	34.1	0.0	203.6	1	

1C	0	-1971	440	-191	0	-224	248	27.1	210.3	16.5	0.0	237.4	1
1D	0	-1971	913	-191	0	-224	133	27.1	197.6	34.1	0.0	224.7	1
1E	0	1184	440	166	0	199	248	16.3	189.2	16.5	0.0	205.5	1
1F	0	1184	913	166	0	199	133	16.3	176.5	34.1	0.0	192.8	1
1G	0	1184	440	-191	0	-224	248	16.3	210.3	16.5	0.0	226.6	1
1H	0	1184	913	-191	0	-224	133	16.3	197.6	34.1	0.0	213.9	1
1I	0	-3839	576	441	0	545	224	52.8	468.9	21.5	0.0	521.7	1
1J	0	-3839	778	441	0	545	157	52.8	461.5	29.1	0.0	514.3	1
1K	0	-3839	576	-466	0	-571	224	52.8	490.0	21.5	0.0	542.8	1
1L	0	-3839	778	-466	0	-571	157	52.8	482.6	29.1	0.0	535.4	1
1M	0	3053	576	441	0	545	224	42.0	468.9	21.5	0.0	510.9	1
1N	0	3053	778	441	0	545	157	42.0	461.5	29.1	0.0	503.5	1
1O	0	3053	576	-466	0	-571	224	42.0	490.0	21.5	0.0	532.0	1
1P	0	3053	778	-466	0	-571	157	42.0	482.6	29.1	0.0	524.6	1
2	0	-2343	3073	-140	0	-170	933	32.2	241.8	114.9	0.0	274.0	1
7	0	-1984	2416	-133	0	-163	727	27.3	213.5	90.4	0.0	240.8	1
8	0	-1758	2415	-97	0	-117	727	24.2	175.5	90.3	0.0	199.6	1
1A	72	-1970	399	166	0	77	889	27.1	161.2	14.9	0.0	188.3	1
1B	72	-1970	872	166	0	77	434	27.1	110.9	32.6	0.0	137.9	1
1C	72	-1970	399	-191	0	-85	889	27.1	168.0	14.9	0.0	195.0	1
1D	72	-1970	872	-191	0	-85	434	27.1	117.6	32.6	0.0	144.7	1
1E	72	1185	399	166	0	77	889	16.3	161.2	14.9	0.0	177.5	1
1F	72	1185	872	166	0	77	434	16.3	110.9	32.6	0.0	127.2	1
1G	72	1185	399	-191	0	-85	889	16.3	168.0	14.9	0.0	184.3	1
1H	72	1185	872	-191	0	-85	434	16.3	117.6	32.6	0.0	134.0	1
1I	72	-3838	535	441	0	227	768	52.8	270.0	20.0	0.0	322.8	1
1J	72	-3838	736	441	0	227	556	52.8	246.5	27.5	0.0	299.3	1
1K	72	-3838	535	-466	0	-235	768	52.8	276.8	20.0	0.0	329.6	1
1L	72	-3838	736	-466	0	-235	556	52.8	253.3	27.5	0.0	306.1	1
1M	72	3054	535	441	0	227	768	42.0	270.0	20.0	0.0	312.0	1
1N	72	3054	736	441	0	227	556	42.0	246.5	27.5	0.0	288.5	1
1O	72	3054	535	-466	0	-235	768	42.0	276.8	20.0	0.0	318.8	1
1P	72	3054	736	-466	0	-235	556	42.0	253.3	27.5	0.0	295.3	1
2	72	-2342	3020	-140	0	-70	3123	32.2	402.2	112.9	0.0	434.4	1
7	72	-1983	2363	-133	0	-68	2445	27.3	325.6	88.4	0.0	352.9	1
8	72	-1756	2362	-97	0	-47	2444	24.2	308.7	88.3	0.0	332.9	1
1A	144	-1969	358	166	0	-45	1501	27.1	202.4	13.4	0.0	229.4	1
1B	144	-1969	831	166	0	-45	707	27.1	114.5	31.1	0.0	141.5	1
1C	144	-1969	358	-191	0	54	1501	27.1	209.9	13.4	0.0	236.9	1
1D	144	-1969	831	-191	0	54	707	27.1	122.0	31.1	0.0	149.1	1
1E	144	1186	358	166	0	-45	1501	16.3	202.4	13.4	0.0	218.7	1
1F	144	1186	831	166	0	-45	707	16.3	114.5	31.1	0.0	130.8	1
1G	144	1186	358	-191	0	54	1501	16.3	209.9	13.4	0.0	226.2	1
1H	144	1186	831	-191	0	54	707	16.3	122.0	31.1	0.0	138.3	1
1I	144	-3837	494	441	0	-91	1283	52.8	216.0	18.5	0.0	268.8	1
1J	144	-3837	695	441	0	-91	925	52.8	176.5	26.0	0.0	229.3	1
1K	144	-3837	494	-466	0	100	1283	52.8	223.5	18.5	0.0	276.3	1
1L	144	-3837	695	-466	0	100	925	52.8	184.0	26.0	0.0	236.8	1
1M	144	3055	494	441	0	-91	1283	42.0	216.0	18.5	0.0	258.0	1
1N	144	3055	695	441	0	-91	925	42.0	176.5	26.0	0.0	218.5	1
1O	144	3055	494	-466	0	100	1283	42.0	223.5	18.5	0.0	265.6	1
1P	144	3055	695	-466	0	100	925	42.0	184.0	26.0	0.0	226.0	1
2	144	-2340	2966	-140	0	31	5275	32.2	608.8	110.9	0.0	641.0	1
7	144	-1982	2310	-133	0	28	4125	27.3	479.3	86.4	0.0	506.6	1
8	144	-1755	2308	-97	0	23	4123	24.1	474.6	86.3	0.0	498.7	1

ASTA NUM. 112 NI 824 NF 823 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3821	281	23	0	43	1499	52.6	201.1	10.5	0.0	253.7	1	
1B	0	-3821	701	23	0	43	707	52.6	113.4	26.2	0.0	165.9	1	
1C	0	-3821	281	-18	0	-34	1499	52.6	193.4	10.5	0.0	246.0	1	
1D	0	-3821	701	-18	0	-34	707	52.6	105.7	26.2	0.0	158.3	1	
1E	0	2042	281	23	0	43	1499	28.1	201.1	10.5	0.0	229.2	1	
1F	0	2042	701	23	0	43	707	28.1	113.4	26.2	0.0	141.5	1	
1G	0	2042	281	-18	0	-34	1499	28.1	193.4	10.5	0.0	221.5	1	
1H	0	2042	701	-18	0	-34	707	28.1	105.7	26.2	0.0	133.8	1	
1I	0	-4480	414	56	0	78	1282	61.6	205.0	15.5	0.0	266.6	1	
1J	0	-4480	568	56	0	78	924	61.6	165.5	21.2	0.0	227.1	1	
1K	0	-4480	414	-50	0	-68	1282	61.6	197.3	15.5	0.0	258.9	1	
1L	0	-4480	568	-50	0	-68	924	61.6	157.8	21.2	0.0	219.4	1	
1M	0	2701	414	56	0	78	1282	37.1	205.0	15.5	0.0	242.1	1	
1N	0	2701	568	56	0	78	924	37.1	165.5	21.2	0.0	202.6	1	
1O	0	2701	414	-50	0	-68	1282	37.1	197.3	15.5	0.0	234.5	1	
1P	0	2701	568	-50	0	-68	924	37.1	157.8	21.2	0.0	194.9	1	
2	0	-4521	2192	19	0	27	5270	62.2	605.3	82.0	0.0	667.4	1	
7	0	-3703	1728	17	0	24	4121	50.9	475.6	64.6	0.0	526.6	1	
8	0	-3475	1726	14	0	20	4119	47.8	472.3	64.6	0.0	520.1	1	
1A	72	-3820	240	23	0	33	1989	52.5	247.3	9.0	0.0	299.8	1	
1B	72	-3820	660	23	0	33	894	52.5	126.2	24.7	0.0	178.7	1	
1C	72	-3820	240	-18	0	-28	1989	52.5	242.8	9.0	0.0	295.3	1	
1D	72	-3820	660	-18	0	-28	894	52.5	121.7	24.7	0.0	174.2	1	
1E	72	2043	240	23	0	33	1989	28.1	247.3	9.0	0.0	275.4	1	
1F	72	2043	660	23	0	33	894	28.1	126.2	24.7	0.0	154.3	1	
1G	72	2043	240	-18	0	-28	1989	28.1	242.8	9.0	0.0	270.9	1	
1H	72	2043	660	-18	0	-28	894	28.1	121.7	24.7	0.0	149.8	1	
1I	72	-4479	373	56	0	33	1675	61.6	211.8	14.0	0.0	273.4	1	

1J	72	-4479	527	56	0	33	1208	61.6	160.1	19.7	0.0	221.7	1
1K	72	-4479	373	-50	0	-27	1675	61.6	207.3	14.0	0.0	268.9	1
1L	72	-4479	527	-50	0	-27	1208	61.6	155.6	19.7	0.0	217.3	1
1M	72	2702	373	56	0	33	1675	37.2	211.8	14.0	0.0	249.0	1
1N	72	2702	527	56	0	33	1208	37.2	160.1	19.7	0.0	197.3	1
1O	72	2702	373	-50	0	-27	1675	37.2	207.3	14.0	0.0	244.5	1
1P	72	2702	527	-50	0	-27	1208	37.2	155.6	19.7	0.0	192.8	1
2	72	-4520	2138	19	0	13	6827	62.2	766.1	80.0	0.0	828.3	1
7	72	-3702	1674	17	0	12	5344	50.9	600.9	62.6	0.0	651.8	1
8	72	-3474	1672	14	0	10	5340	47.8	599.1	62.6	0.0	646.8	1
1A	144	-3819	199	23	0	24	2448	52.5	290.2	7.4	0.0	342.7	1
1B	144	-3819	619	23	0	24	1052	52.5	135.7	23.2	0.0	188.2	1
1C	144	-3819	199	-18	0	-22	2448	52.5	288.9	7.4	0.0	341.4	1
1D	144	-3819	619	-18	0	-22	1052	52.5	134.4	23.2	0.0	186.9	1
1E	144	2044	199	23	0	24	2448	28.1	290.2	7.4	0.0	318.3	1
1F	144	2044	619	23	0	24	1052	28.1	135.7	23.2	0.0	163.8	1
1G	144	2044	199	-18	0	-22	2448	28.1	288.9	7.4	0.0	317.0	1
1H	144	2044	619	-18	0	-22	1052	28.1	134.4	23.2	0.0	162.5	1
1I	144	-4478	332	56	0	-12	2038	61.6	235.7	12.4	0.0	297.3	1
1J	144	-4478	486	56	0	-12	1462	61.6	171.9	18.2	0.0	233.5	1
1K	144	-4478	332	-50	0	14	2038	61.6	237.0	12.4	0.0	298.6	1
1L	144	-4478	486	-50	0	14	1462	61.6	173.1	18.2	0.0	234.7	1
1M	144	2703	332	56	0	-12	2038	37.2	235.7	12.4	0.0	272.9	1
1N	144	2703	486	56	0	-12	1462	37.2	171.9	18.2	0.0	209.1	1
1O	144	2703	332	-50	0	14	2038	37.2	237.0	12.4	0.0	274.1	1
1P	144	2703	486	-50	0	14	1462	37.2	173.1	18.2	0.0	210.3	1
2	144	-4518	2085	19	0	-1	8345	62.1	923.8	78.0	0.0	985.9	1
7	144	-3700	1621	17	0	-1	6529	50.9	722.8	60.6	0.0	773.7	1
8	144	-3473	1619	14	0	-0	6523	47.8	721.7	60.6	0.0	769.5	1

ASTA NUM. 113 NI 823 NF 822 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5178	143	13	0	27	2446	71.2	292.7	5.4	0.0	363.9	1	
1B	0	-5178	494	13	0	27	1052	71.2	138.4	18.5	0.0	209.6	1	
1C	0	-5178	143	-8	0	-25	2446	71.2	291.1	5.4	0.0	362.3	1	
1D	0	-5178	494	-8	0	-25	1052	71.2	136.8	18.5	0.0	208.0	1	
1E	0	2454	143	13	0	27	2446	33.7	292.7	5.4	0.0	326.4	1	
1F	0	2454	494	13	0	27	1052	33.7	138.4	18.5	0.0	172.1	1	
1G	0	2454	143	-8	0	-25	2446	33.7	291.1	5.4	0.0	324.9	1	
1H	0	2454	494	-8	0	-25	1052	33.7	136.8	18.5	0.0	170.6	1	
1I	0	-4331	259	29	0	34	2037	59.6	252.7	9.7	0.0	312.3	1	
1J	0	-4331	379	29	0	34	1461	59.6	189.0	14.2	0.0	248.6	1	
1K	0	-4331	259	-24	0	-32	2037	59.6	251.2	9.7	0.0	310.8	1	
1L	0	-4331	379	-24	0	-32	1461	59.6	187.4	14.2	0.0	247.0	1	
1M	0	1607	259	29	0	34	2037	22.1	252.7	9.7	0.0	274.8	1	
1N	0	1607	379	29	0	34	1461	22.1	189.0	14.2	0.0	211.1	1	
1O	0	1607	259	-24	0	-32	2037	22.1	251.2	9.7	0.0	273.3	1	
1P	0	1607	379	-24	0	-32	1461	22.1	187.4	14.2	0.0	209.5	1	
2	0	-6503	1376	9	0	-4	8342	89.4	926.1	51.5	0.0	1015.5	1	
7	0	-5210	1090	6	0	-4	6526	71.7	725.4	40.8	0.0	797.0	1	
8	0	-5058	1088	8	0	-2	6521	69.6	723.1	40.7	0.0	792.7	1	
1A	72	-5176	102	13	0	24	2784	71.2	327.2	3.8	0.0	398.4	1	
1B	72	-5176	453	13	0	24	1144	71.2	145.8	16.9	0.0	217.0	1	
1C	72	-5176	102	-8	0	-26	2784	71.2	328.9	3.8	0.0	400.1	1	
1D	72	-5176	453	-8	0	-26	1144	71.2	147.5	16.9	0.0	218.7	1	
1E	72	2454	102	13	0	24	2784	33.8	327.2	3.8	0.0	361.0	1	
1F	72	2454	453	13	0	24	1144	33.8	145.8	16.9	0.0	179.6	1	
1G	72	2454	102	-8	0	-26	2784	33.8	328.9	3.8	0.0	362.7	1	
1H	72	2454	453	-8	0	-26	1144	33.8	147.5	16.9	0.0	181.2	1	
1I	72	-4330	218	29	0	7	2285	59.6	258.9	8.1	0.0	318.5	1	
1J	72	-4330	338	29	0	7	1642	59.6	187.8	12.6	0.0	247.3	1	
1K	72	-4330	218	-24	0	-10	2285	59.6	260.6	8.1	0.0	320.2	1	
1L	72	-4330	338	-24	0	-10	1642	59.6	189.4	12.6	0.0	249.0	1	
1M	72	1608	218	29	0	7	2285	22.1	258.9	8.1	0.0	281.0	1	
1N	72	1608	338	29	0	7	1642	22.1	187.8	12.6	0.0	209.9	1	
1O	72	1608	218	-24	0	-10	2285	22.1	260.6	8.1	0.0	282.7	1	
1P	72	1608	338	-24	0	-10	1642	22.1	189.4	12.6	0.0	211.6	1	
2	72	-6502	1323	9	0	-10	9310	89.4	1038.4	49.5	0.0	1127.8	1	
7	72	-5208	1037	6	0	-8	7291	71.6	813.3	38.8	0.0	884.9	1	
8	72	-5057	1035	8	0	-7	7284	69.6	811.9	38.7	0.0	881.4	1	
1A	144	-5176	61	13	0	20	3092	71.2	358.5	2.3	0.0	429.7	1	
1B	144	-5176	412	13	0	20	1206	71.2	150.0	15.4	0.0	221.2	1	
1C	144	-5176	61	-8	0	-26	3092	71.2	363.4	2.3	0.0	434.6	1	
1D	144	-5176	412	-8	0	-26	1206	71.2	154.9	15.4	0.0	226.1	1	
1E	144	2456	61	13	0	20	3092	33.8	358.5	2.3	0.0	392.3	1	
1F	144	2456	412	13	0	20	1206	33.8	150.0	15.4	0.0	183.7	1	
1G	144	2456	61	-8	0	-26	3092	33.8	363.4	2.3	0.0	397.2	1	
1H	144	2456	412	-8	0	-26	1206	33.8	154.9	15.4	0.0	188.7	1	
1I	144	-4329	177	29	0	-19	2504	59.5	292.2	6.6	0.0	351.8	1	
1J	144	-4329	297	29	0	-19	1794	59.5	213.7	11.1	0.0	273.2	1	
1K	144	-4329	177	-24	0	13	2504	59.5	287.3	6.6	0.0	346.9	1	
1L	144	-4329	297	-24	0	13	1794	59.5	208.8	11.1	0.0	268.3	1	
1M	144	1609	177	29	0	-19	2504	22.1	292.2	6.6	0.0	314.4	1	
1N	144	1609	297	29	0	-19	1794	22.1	213.7	11.1	0.0	235.8	1	
1O	144	1609	177	-24	0	13	2504	22.1	287.3	6.6	0.0	309.5	1	
1P	144	1609	297	-24	0	13	1794	22.1	208.8	11.1	0.0	230.9	1	

2	144	-6500	1270	9	0	-17	10240	89.4	1146.4	47.5	0.0	1235.8	1
7	144	-5207	984	6	0	-12	8018	71.6	897.0	36.8	0.0	968.6	1
8	144	-5056	981	8	0	-13	8008	69.5	896.4	36.7	0.0	966.0	1

ASTA NUM. 114 NI 822 NF 826 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6063	12	14	0	19	3090	83.4	356.9	0.5	0.0	440.3	1	
1B	0	-6063	296	14	0	19	1206	83.4	148.5	11.1	0.0	231.9	1	
1C	0	-6063	12	-23	0	-24	3090	83.4	361.7	0.8	0.0	445.1	1	
1D	0	-6063	296	-23	0	-24	1206	83.4	153.3	11.1	0.0	236.7	1	
1E	0	2497	12	14	0	19	3090	34.4	356.9	0.5	0.0	391.3	1	
1F	0	2497	296	14	0	19	1206	34.4	148.5	11.1	0.0	182.9	1	
1G	0	2497	12	-23	0	-24	3090	34.4	361.7	0.8	0.0	396.0	1	
1H	0	2497	296	-23	0	-24	1206	34.4	153.3	11.1	0.0	187.6	1	
1I	0	-4003	91	15	0	14	2503	55.1	288.0	3.4	0.0	343.1	1	
1J	0	-4003	217	15	0	14	1793	55.1	209.6	8.1	0.0	264.6	1	
1K	0	-4003	91	-24	0	-19	2503	55.1	292.8	3.4	0.0	347.8	1	
1L	0	-4003	217	-24	0	-19	1793	55.1	214.3	8.1	0.0	269.3	1	
1M	0	437	91	15	0	14	2503	6.0	288.0	3.4	0.0	294.0	1	
1N	0	437	217	15	0	14	1793	6.0	209.6	8.1	0.0	215.6	1	
1O	0	437	91	-24	0	-19	2503	6.0	292.8	3.4	0.0	298.8	1	
1P	0	437	217	-24	0	-19	1793	6.0	214.3	8.1	0.0	220.3	1	
2	0	-8300	598	-24	0	-20	10240	114.2	1149.4	22.4	0.0	1263.6	1	
7	0	-6562	481	-19	0	-16	8016	90.3	900.0	18.0	0.0	990.2	1	
8	0	-6492	479	-18	0	-15	8007	89.3	898.2	17.9	0.0	987.5	1	
1A	72	-6062	-29	14	0	31	3276	83.4	387.7	1.1	0.0	471.1	1	
1B	72	-6062	255	14	0	31	1212	83.4	159.4	9.5	0.0	242.8	1	
1C	72	-6062	-29	-23	0	-30	3276	83.4	387.2	1.1	0.0	470.6	1	
1D	72	-6062	255	-23	0	-30	1212	83.4	158.9	9.5	0.0	242.3	1	
1E	72	2499	-29	14	0	31	3276	34.4	387.7	1.1	0.0	422.1	1	
1F	72	2499	255	14	0	31	1212	34.4	159.4	9.5	0.0	193.8	1	
1G	72	2499	-29	-23	0	-30	3276	34.4	387.2	1.1	0.0	421.6	1	
1H	72	2499	255	-23	0	-30	1212	34.4	158.9	9.5	0.0	193.3	1	
1I	72	-4001	50	15	0	-2	2614	55.0	291.1	1.9	0.0	346.1	1	
1J	72	-4001	176	15	0	-2	1875	55.0	209.4	6.6	0.0	264.4	1	
1K	72	-4001	50	-24	0	3	2614	55.0	291.6	1.9	0.0	346.6	1	
1L	72	-4001	176	-24	0	3	1875	55.0	209.8	6.6	0.0	264.9	1	
1M	72	438	50	15	0	-2	2614	6.0	291.1	1.9	0.0	297.1	1	
1N	72	438	176	15	0	-2	1875	6.0	209.4	6.6	0.0	215.4	1	
1O	72	438	50	-24	0	3	2614	6.0	291.6	1.9	0.0	297.6	1	
1P	72	438	176	-24	0	3	1875	6.0	209.8	6.6	0.0	215.9	1	
2	72	-8298	544	-24	0	-3	10654	114.1	1181.2	20.4	0.0	1295.4	1	
7	72	-6560	428	-19	0	-2	8343	90.2	924.8	16.0	0.0	1015.0	1	
8	72	-6491	425	-18	0	-2	8332	89.3	923.4	15.9	0.0	1012.7	1	
1A	144	-6060	-70	14	0	43	3433	83.4	415.2	2.6	0.0	498.5	1	
1B	144	-6060	214	14	0	43	1189	83.4	167.0	8.0	0.0	250.3	1	
1C	144	-6060	-70	-23	0	-36	3433	83.4	409.4	2.6	0.0	492.8	1	
1D	144	-6060	214	-23	0	-36	1189	83.4	161.3	8.0	0.0	244.6	1	
1E	144	2500	-70	14	0	43	3433	34.4	415.2	2.6	0.0	449.6	1	
1F	144	2500	214	14	0	43	1189	34.4	167.0	8.0	0.0	201.4	1	
1G	144	2500	-70	-23	0	-36	3433	34.4	409.4	2.6	0.0	443.8	1	
1H	144	2500	214	-23	0	-36	1189	34.4	161.3	8.0	0.0	195.7	1	
1I	144	-4000	9	15	0	-18	2695	55.0	313.1	0.5	0.0	368.1	1	
1J	144	-4000	135	15	0	-18	1927	55.0	228.2	5.1	0.0	283.2	1	
1K	144	-4000	9	-24	0	25	2695	55.0	318.8	0.8	0.0	373.9	1	
1L	144	-4000	135	-24	0	25	1927	55.0	233.9	5.1	0.0	288.9	1	
1M	144	440	9	15	0	-18	2695	6.0	313.1	0.5	0.0	319.2	1	
1N	144	440	135	15	0	-18	1927	6.0	228.2	5.1	0.0	234.2	1	
1O	144	440	9	-24	0	25	2695	6.0	318.8	0.8	0.0	324.9	1	
1P	144	440	135	-24	0	25	1927	6.0	233.9	5.1	0.0	239.9	1	
2	144	-8297	491	-24	0	14	11030	114.1	1231.8	18.4	0.0	1345.9	1	
7	144	-6559	375	-19	0	12	8632	90.2	964.6	14.0	0.0	1054.8	1	
8	144	-6490	372	-18	0	11	8619	89.3	962.6	13.9	0.0	1051.9	1	

ASTA NUM. 115 NI 826 NF 726 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6280	-129	21	0	42	3433	86.4	413.7	4.8	0.0	500.1	1	
1B	0	-6280	116	21	0	42	1189	86.4	165.5	4.4	0.0	251.9	1	
1C	0	-6280	-129	-20	0	-34	3433	86.4	407.8	4.8	0.0	494.2	1	
1D	0	-6280	116	-20	0	-34	1189	86.4	159.7	4.4	0.0	246.1	1	
1E	0	2324	-129	21	0	42	3433	32.0	413.7	4.8	0.0	445.7	1	
1F	0	2324	116	21	0	42	1189	32.0	165.5	4.4	0.0	197.5	1	
1G	0	2324	-129	-20	0	-34	3433	32.0	407.8	4.8	0.0	439.8	1	
1H	0	2324	116	-20	0	-34	1189	32.0	159.7	4.4	0.0	191.6	1	
1I	0	-3361	-81	20	0	24	2695	46.2	317.6	3.0	0.0	363.8	1	
1J	0	-3361	69	20	0	24	1927	46.2	232.7	2.6	0.0	278.9	1	
1K	0	-3361	-81	-19	0	-17	2695	46.2	311.7	3.0	0.0	357.9	1	
1L	0	-3361	69	-19	0	-17	1927	46.2	226.8	2.6	0.0	273.1	1	

1M	0	-595	-81	20	0	24	2695	8.2	317.6	3.0	0.0	325.7	1
1N	0	-595	69	20	0	24	1927	8.2	232.7	2.6	0.0	240.9	1
1O	0	-595	-81	-19	0	-17	2695	8.2	311.7	3.0	0.0	319.9	1
1P	0	-595	69	-19	0	-17	1927	8.2	226.8	2.6	0.0	235.0	1
2	0	-9037	-160	-2	0	10	11020	124.3	1227.5	6.0	0.0	1351.9	1
7	0	-7081	-111	-2	0	8	8631	97.4	961.2	4.2	0.0	1058.6	1
8	0	-7097	-114	-1	0	9	8618	97.6	960.6	4.3	0.0	1058.2	1
1A	37	-6280	-150	21	0	46	3459	86.4	420.4	5.6	0.0	506.8	1
1B	37	-6280	95	21	0	46	1150	86.4	164.9	3.6	0.0	251.3	1
1C	37	-6280	-150	-20	0	-39	3459	86.4	414.7	5.6	0.0	501.1	1
1D	37	-6280	95	-20	0	-39	1150	86.4	159.2	3.6	0.0	245.6	1
1E	37	2325	-150	21	0	46	3459	32.0	420.4	5.6	0.0	452.4	1
1F	37	2325	95	21	0	46	1150	32.0	164.9	3.6	0.0	196.9	1
1G	37	2325	-150	-20	0	-39	3459	32.0	414.7	5.6	0.0	446.7	1
1H	37	2325	95	-20	0	-39	1150	32.0	159.2	3.6	0.0	191.2	1
1I	37	-3360	-102	20	0	21	2689	46.2	315.1	3.8	0.0	361.3	1
1J	37	-3360	47	20	0	21	1920	46.2	229.9	1.8	0.0	276.1	1
1K	37	-3360	-102	-19	0	-15	2689	46.2	309.4	3.8	0.0	355.6	1
1L	37	-3360	47	-19	0	-15	1920	46.2	224.2	1.8	0.0	270.4	1
1M	37	-595	-102	20	0	21	2689	8.2	315.1	3.8	0.0	323.2	1
1N	37	-595	47	20	0	21	1920	8.2	229.9	1.8	0.0	238.1	1
1O	37	-595	-102	-19	0	-15	2689	8.2	309.4	3.8	0.0	317.6	1
1P	37	-595	47	-19	0	-15	1920	8.2	224.2	1.8	0.0	232.4	1
2	37	-9036	-188	-2	0	11	10955	124.3	1221.1	7.0	0.0	1345.4	1
7	37	-7080	-139	-2	0	9	8584	97.4	956.8	5.2	0.0	1054.2	1
8	37	-7096	-142	-1	0	9	8570	97.6	955.7	5.3	0.0	1053.3	1
1A	75	-6279	-171	21	0	51	3478	86.4	426.2	6.4	0.0	512.6	1
1B	75	-6279	74	21	0	51	1102	86.4	163.4	2.8	0.0	249.8	1
1C	75	-6279	-171	-20	0	-44	3478	86.4	420.7	6.4	0.0	507.1	1
1D	75	-6279	74	-20	0	-44	1102	86.4	157.9	2.8	0.0	244.3	1
1E	75	2325	-171	21	0	51	3478	32.0	426.2	6.4	0.0	458.2	1
1F	75	2325	74	21	0	51	1102	32.0	163.4	2.8	0.0	195.4	1
1G	75	2325	-171	-20	0	-44	3478	32.0	420.7	6.4	0.0	452.7	1
1H	75	2325	74	-20	0	-44	1102	32.0	157.9	2.8	0.0	189.9	1
1I	75	-3360	-124	20	0	19	2676	46.2	311.7	4.6	0.0	357.9	1
1J	75	-3360	26	20	0	19	1904	46.2	226.2	1.0	0.0	272.4	1
1K	75	-3360	-124	-19	0	-12	2676	46.2	306.2	4.6	0.0	352.4	1
1L	75	-3360	26	-19	0	-12	1904	46.2	220.7	1.0	0.0	266.9	1
1M	75	-594	-124	20	0	19	2676	8.2	311.7	4.6	0.0	319.9	1
1N	75	-594	26	20	0	19	1904	8.2	226.2	1.0	0.0	234.4	1
1O	75	-594	-124	-19	0	-12	2676	8.2	306.2	4.6	0.0	314.3	1
1P	75	-594	26	-19	0	-12	1904	8.2	220.7	1.0	0.0	228.8	1
2	75	-9036	-216	-2	0	12	10880	124.3	1213.4	8.1	0.0	1337.7	1
7	75	-7080	-167	-2	0	10	8527	97.4	951.2	6.2	0.0	1048.6	1
8	75	-7096	-170	-1	0	10	8512	97.6	949.6	6.4	0.0	1047.2	1

ASTA NUM. 116 NI 835 NF 831 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-716	-350	40	0	64	2127	9.9	287.8	13.1	0.0	297.7	1	
1B	0	-716	-89	40	0	64	1829	9.9	254.9	3.3	0.0	264.8	1	
1C	0	-716	-350	-36	0	-57	2127	9.9	281.5	13.1	0.0	291.4	1	
1D	0	-716	-89	-36	0	-57	1829	9.9	248.6	3.3	0.0	258.4	1	
1E	0	50	-350	40	0	64	2127	0.7	287.8	13.1	0.0	288.5	1	
1F	0	50	-89	40	0	64	1829	0.7	254.9	3.3	0.0	255.6	1	
1G	0	50	-350	-36	0	-57	2127	0.7	281.5	13.1	0.0	282.2	1	
1H	0	50	-89	-36	0	-57	1829	0.7	248.6	3.3	0.0	249.3	1	
1I	0	-651	-518	36	0	37	2209	9.0	274.5	19.4	0.0	283.5	1	
1J	0	-651	79	36	0	37	1747	9.0	223.4	2.9	0.0	232.3	1	
1K	0	-651	-518	-32	0	-29	2209	9.0	268.2	19.4	0.0	277.2	1	
1L	0	-651	79	-32	0	-29	1747	9.0	217.0	2.9	0.0	226.0	1	
1M	0	-15	-518	36	0	37	2209	0.2	274.5	19.4	0.0	274.8	1	
1N	0	-15	79	36	0	37	1747	0.2	223.4	2.9	0.0	223.6	1	
1O	0	-15	-518	-32	0	-29	2209	0.2	268.2	19.4	0.0	268.4	1	
1P	0	-15	79	-32	0	-29	1747	0.2	217.0	2.9	0.0	217.2	1	
2	0	-845	-1108	10	0	17	9771	11.6	1095.1	41.4	0.0	1106.7	1	
7	0	-535	-842	6	0	12	7671	7.4	858.7	31.5	0.0	866.1	1	
8	0	-717	-855	9	0	14	7616	9.9	853.9	32.0	0.0	863.8	1	
1A	72	-718	-391	40	0	42	2037	9.9	260.0	14.6	0.0	269.8	1	
1B	72	-718	-130	40	0	42	1573	9.9	208.7	4.9	0.0	218.6	1	
1C	72	-718	-391	-36	0	-38	2037	9.9	256.4	14.6	0.0	266.3	1	
1D	72	-718	-130	-36	0	-38	1573	9.9	205.1	4.9	0.0	215.0	1	
1E	72	49	-391	40	0	42	2037	0.7	260.0	14.6	0.0	260.6	1	
1F	72	49	-130	40	0	42	1573	0.7	208.7	4.9	0.0	209.4	1	
1G	72	49	-391	-36	0	-38	2037	0.7	256.4	14.6	0.0	257.1	1	
1H	72	49	-130	-36	0	-38	1573	0.7	205.1	4.9	0.0	205.8	1	
1I	72	-652	-559	36	0	7	2247	9.0	254.3	20.9	0.0	263.2	1	
1J	72	-652	38	36	0	7	1364	9.0	156.6	1.4	0.0	165.6	1	
1K	72	-652	-559	-32	0	-3	2247	9.0	250.7	20.9	0.0	259.7	1	
1L	72	-652	38	-32	0	-3	1364	9.0	153.1	1.4	0.0	162.0	1	
1M	72	-16	-559	36	0	7	2247	0.2	254.3	20.9	0.0	254.5	1	
1N	72	-16	38	36	0	7	1364	0.2	156.6	1.4	0.0	156.9	1	
1O	72	-16	-559	-32	0	-3	2247	0.2	250.7	20.9	0.0	250.9	1	
1P	72	-16	38	-32	0	-3	1364	0.2	153.1	1.4	0.0	153.3	1	
2	72	-846	-1162	10	0	10	8955	11.6	998.8	43.4	0.0	1010.5	1	
7	72	-536	-895	6	0	8	7047	7.4	786.1	33.5	0.0	793.5	1	
8	72	-718	-908	9	0	8	6982	9.9	778.7	34.0	0.0	788.6	1	

1A	144	-719	-432	40	0	20	1918	9.9	228.8	16.1	0.0	238.7	1
1B	144	-719	-171	40	0	20	1288	9.9	159.2	6.4	0.0	169.1	1
1C	144	-719	-432	-36	0	-19	1918	9.9	228.0	16.1	0.0	237.9	1
1D	144	-719	-171	-36	0	-19	1288	9.9	158.4	6.4	0.0	168.3	1
1E	144	48	-432	40	0	20	1918	0.7	228.8	16.1	0.0	229.5	1
1F	144	48	-171	40	0	20	1288	0.7	159.2	6.4	0.0	159.9	1
1G	144	48	-432	-36	0	-19	1918	0.7	228.0	16.1	0.0	228.7	1
1H	144	48	-171	-36	0	-19	1288	0.7	158.4	6.4	0.0	159.1	1
1I	144	-653	-600	36	0	-23	2254	9.0	268.1	22.4	0.0	277.0	1
1J	144	-653	-3	36	0	-23	952	9.0	123.9	1.3	0.0	132.9	1
1K	144	-653	-600	-32	0	24	2254	9.0	268.9	22.4	0.0	277.9	1
1L	144	-653	-3	-32	0	24	952	9.0	124.8	1.1	0.0	133.8	1
1M	144	-17	-600	36	0	-23	2254	0.2	268.1	22.4	0.0	268.3	1
1N	144	-17	-3	36	0	-23	952	0.2	123.9	1.3	0.0	124.2	1
1O	144	-17	-600	-32	0	24	2254	0.2	268.9	22.4	0.0	269.1	1
1P	144	-17	-3	-32	0	24	952	0.2	124.8	1.1	0.0	125.0	1
2	144	-848	-1215	10	0	2	8101	11.7	898.3	45.4	0.0	909.9	1
7	144	-538	-948	6	0	4	6384	7.4	709.2	35.5	0.0	716.6	1
8	144	-719	-962	9	0	2	6309	9.9	699.3	36.0	0.0	709.2	1

ASTA NUM. 117 NI 831 NF 830 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-716	-616	19	0	24	1918	9.9	231.7	23.0	0.0	241.5	1	
1B	0	-716	-347	19	0	24	1288	9.9	162.0	13.0	0.0	171.9	1	
1C	0	-716	-616	-20	0	-23	1918	9.9	230.5	23.0	0.0	240.4	1	
1D	0	-716	-347	-20	0	-23	1288	9.9	160.9	13.0	0.0	170.7	1	
1E	0	36	-616	19	0	24	1918	0.5	231.7	23.0	0.0	232.2	1	
1F	0	36	-347	19	0	24	1288	0.5	162.0	13.0	0.0	162.5	1	
1G	0	36	-616	-20	0	-23	1918	0.5	230.5	23.0	0.0	231.0	1	
1H	0	36	-347	-20	0	-23	1288	0.5	160.9	13.0	0.0	161.4	1	
1I	0	-667	-786	50	0	26	2254	9.2	270.2	29.4	0.0	279.4	1	
1J	0	-667	-176	50	0	26	952	9.2	126.1	6.6	0.0	135.3	1	
1K	0	-667	-786	-51	0	-24	2254	9.2	269.1	29.4	0.0	278.2	1	
1L	0	-667	-176	-51	0	-24	952	9.2	125.0	6.6	0.0	134.2	1	
1M	0	-13	-786	50	0	26	2254	0.2	270.2	29.4	0.0	270.4	1	
1N	0	-13	-176	50	0	26	952	0.2	126.1	6.6	0.0	126.3	1	
1O	0	-13	-786	-51	0	-24	2254	0.2	269.1	29.4	0.0	269.2	1	
1P	0	-13	-176	-51	0	-24	952	0.2	125.0	6.6	0.0	125.2	1	
2	0	-878	-2363	-13	0	-5	8100	12.1	900.5	88.4	0.0	912.6	1	
7	0	-561	-1820	-13	0	-5	6383	7.7	710.2	68.1	0.0	718.0	1	
8	0	-742	-1835	-9	0	-3	6309	10.2	700.6	68.6	0.0	710.8	1	
1A	72	-718	-657	19	0	29	1647	9.9	206.1	24.6	0.0	216.0	1	
1B	72	-718	-388	19	0	29	838	9.9	116.7	14.5	0.0	126.6	1	
1C	72	-718	-657	-20	0	-28	1647	9.9	204.7	24.6	0.0	214.5	1	
1D	72	-718	-388	-20	0	-28	838	9.9	115.2	14.5	0.0	125.1	1	
1E	72	35	-657	19	0	29	1647	0.5	206.1	24.6	0.0	206.6	1	
1F	72	35	-388	19	0	29	838	0.5	116.7	14.5	0.0	117.2	1	
1G	72	35	-657	-20	0	-28	1647	0.5	204.7	24.6	0.0	205.2	1	
1H	72	35	-388	-20	0	-28	838	0.5	115.2	14.5	0.0	115.7	1	
1I	72	-668	-827	50	0	-15	2110	9.2	245.8	30.9	0.0	255.0	1	
1J	72	-668	-217	50	0	-15	374	9.2	53.8	8.1	0.0	62.9	1	
1K	72	-668	-827	-51	0	17	2110	9.2	247.2	30.9	0.0	256.4	1	
1L	72	-668	-217	-51	0	17	374	9.2	55.2	8.1	0.0	64.4	1	
1M	72	-14	-827	50	0	-15	2110	0.2	245.8	30.9	0.0	246.0	1	
1N	72	-14	-217	50	0	-15	374	0.2	53.8	8.1	0.0	54.0	1	
1O	72	-14	-827	-51	0	17	2110	0.2	247.2	30.9	0.0	247.4	1	
1P	72	-14	-217	-51	0	17	374	0.2	55.2	8.1	0.0	55.4	1	
2	72	-880	-2416	-13	0	4	6382	12.1	709.5	90.4	0.0	721.6	1	
7	72	-563	-1873	-13	0	5	5055	7.7	563.0	70.1	0.0	570.7	1	
8	72	-744	-1888	-9	0	3	4970	10.2	552.4	70.6	0.0	562.6	1	
1A	144	-719	-698	19	0	35	1346	9.9	177.3	26.1	0.0	187.2	1	
1B	144	-719	-429	19	0	35	358	9.9	68.1	16.0	0.0	77.9	1	
1C	144	-719	-698	-20	0	-33	1346	9.9	175.6	26.1	0.0	185.5	1	
1D	144	-719	-429	-20	0	-33	358	9.9	66.3	16.0	0.0	76.2	1	
1E	144	34	-698	19	0	35	1346	0.5	177.3	26.1	0.0	177.8	1	
1F	144	34	-429	19	0	35	358	0.5	68.1	16.0	0.0	68.5	1	
1G	144	34	-698	-20	0	-33	1346	0.5	175.6	26.1	0.0	176.0	1	
1H	144	34	-429	-20	0	-33	358	0.5	66.3	16.0	0.0	66.8	1	
1I	144	-669	-868	50	0	-56	1937	9.2	259.7	32.5	0.0	268.9	1	
1J	144	-669	-258	50	0	-56	-232	9.2	71.2	9.7	0.0	80.4	1	
1K	144	-669	-868	-51	0	58	1937	9.2	261.5	32.5	0.0	270.7	1	
1L	144	-669	-258	-51	0	58	-232	9.2	73.0	9.7	0.0	82.2	1	
1M	144	-15	-868	50	0	-56	1937	0.2	259.7	32.5	0.0	260.0	1	
1N	144	-15	-258	50	0	-56	-232	0.2	71.2	9.7	0.0	71.4	1	
1O	144	-15	-868	-51	0	58	1937	0.2	261.5	32.5	0.0	261.7	1	
1P	144	-15	-258	-51	0	58	-232	0.2	73.0	9.7	0.0	73.2	1	
2	144	-881	-2469	-13	0	14	4626	12.1	523.1	92.4	0.0	535.2	1	
7	144	-564	-1926	-13	0	14	3689	7.8	419.7	72.0	0.0	427.4	1	
8	144	-745	-1942	-9	0	9	3593	10.2	405.1	72.6	0.0	415.4	1	

ASTA NUM. 118 NI 830 NF 829 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-727	-874	46	0	27	1346	10.0	171.2	32.7	0.0	181.2	1	
1B	0	-727	-595	46	0	27	358	10.0	61.9	22.3	0.0	71.9	1	
1C	0	-727	-874	-47	0	-25	1346	10.0	169.0	32.7	0.0	179.0	1	
1D	0	-727	-595	-47	0	-25	358	10.0	59.8	22.3	0.0	69.8	1	
1E	0	34	-874	46	0	27	1346	0.5	171.2	32.7	0.0	171.6	1	
1F	0	34	-595	46	0	27	358	0.5	61.9	22.3	0.0	62.4	1	
1G	0	34	-874	-47	0	-25	1346	0.5	169.0	32.7	0.0	169.5	1	
1H	0	34	-595	-47	0	-25	358	0.5	59.8	22.3	0.0	60.3	1	
1I	0	-712	-1048	116	0	21	1936	9.8	231.6	39.2	0.0	241.4	1	
1J	0	-712	-420	116	0	21	-233	9.8	43.1	15.7	0.0	52.9	1	
1K	0	-712	-1048	-117	0	-19	1936	9.8	229.4	39.2	0.0	239.2	1	
1L	0	-712	-420	-117	0	-19	-233	9.8	41.0	15.7	0.0	50.8	1	
1M	0	19	-1048	116	0	21	1936	0.3	231.6	39.2	0.0	231.8	1	
1N	0	19	-420	116	0	21	-233	0.3	43.1	15.7	0.0	43.4	1	
1O	0	19	-1048	-117	0	-19	1936	0.3	229.4	39.2	0.0	229.7	1	
1P	0	19	-420	-117	0	-19	-233	0.3	41.0	15.7	0.0	41.2	1	
2	0	-910	-3575	22	0	6	4624	12.5	516.6	133.7	0.0	529.1	1	
7	0	-587	-2764	23	0	6	3688	8.1	412.7	103.4	0.0	420.8	1	
8	0	-767	-2782	14	0	5	3591	10.6	401.1	104.1	0.0	411.6	1	
1A	72	-728	-915	46	0	56	897	10.0	145.0	34.2	0.0	155.0	1	
1B	72	-728	-636	46	0	56	-280	10.0	76.6	23.8	0.0	86.6	1	
1C	72	-728	-915	-47	0	-52	897	10.0	141.9	34.2	0.0	151.9	1	
1D	72	-728	-636	-47	0	-52	-280	10.0	73.5	23.8	0.0	83.5	1	
1E	72	33	-915	46	0	56	897	0.5	145.0	34.2	0.0	145.5	1	
1F	72	33	-636	46	0	56	-280	0.5	76.6	23.8	0.0	77.1	1	
1G	72	33	-915	-47	0	-52	897	0.5	141.9	34.2	0.0	142.3	1	
1H	72	33	-636	-47	0	-52	-280	0.5	73.5	23.8	0.0	73.9	1	
1I	72	-713	-1089	116	0	-68	1617	9.8	234.5	40.7	0.0	244.3	1	
1J	72	-713	-462	116	0	-68	-999	9.8	166.1	17.3	0.0	175.9	1	
1K	72	-713	-1089	-117	0	72	1617	9.8	237.6	40.7	0.0	247.4	1	
1L	72	-713	-462	-117	0	72	-999	9.8	169.2	17.3	0.0	179.0	1	
1M	72	18	-1089	116	0	-68	1617	0.3	234.5	40.7	0.0	234.7	1	
1N	72	18	-462	116	0	-68	-999	0.3	166.1	17.3	0.0	166.3	1	
1O	72	18	-1089	-117	0	72	1617	0.3	237.6	40.7	0.0	237.9	1	
1P	72	18	-462	-117	0	72	-999	0.3	169.2	17.3	0.0	169.5	1	
2	72	-912	-3628	22	0	-10	2035	12.5	233.0	135.7	0.0	286.5	3	
7	72	-588	-2818	23	0	-11	1681	8.1	195.0	105.4	0.0	229.5	3	
8	72	-769	-2836	14	0	-5	1572	10.6	178.0	106.1	0.0	223.0	3	
1A	144	-729	-956	46	0	85	420	10.0	115.6	35.7	0.0	125.6	1	
1B	144	-729	-677	46	0	85	-946	10.0	173.8	25.3	0.0	183.8	1	
1C	144	-729	-956	-47	0	-80	420	10.0	111.4	35.7	0.0	121.4	1	
1D	144	-729	-677	-47	0	-80	-946	10.0	169.6	25.3	0.0	179.7	1	
1E	144	32	-956	46	0	85	420	0.4	115.6	35.7	0.0	116.0	1	
1F	144	32	-677	46	0	85	-946	0.4	173.8	25.3	0.0	174.2	1	
1G	144	32	-956	-47	0	-80	420	0.4	111.4	35.7	0.0	111.8	1	
1H	144	32	-677	-47	0	-80	-946	0.4	169.6	25.3	0.0	170.1	1	
1I	144	-714	-1130	116	0	-158	1269	9.8	268.8	42.3	0.0	278.6	1	
1J	144	-714	-503	116	0	-158	-1795	9.8	327.0	18.8	0.0	336.9	1	
1K	144	-714	-1130	-117	0	163	1269	9.8	273.0	42.3	0.0	282.8	1	
1L	144	-714	-503	-117	0	163	-1795	9.8	331.2	18.8	0.0	341.0	1	
1M	144	17	-1130	116	0	-158	1269	0.2	268.8	42.3	0.0	269.0	1	
1N	144	17	-503	116	0	-158	-1795	0.2	327.0	18.8	0.0	327.3	1	
1O	144	17	-1130	-117	0	163	1269	0.2	273.0	42.3	0.0	273.2	1	
1P	144	17	-503	-117	0	163	-1795	0.2	331.2	18.8	0.0	331.4	1	
2	144	-913	-3681	22	0	-26	-593	12.6	86.5	137.7	0.0	238.9	4	
7	144	-590	-2871	23	0	-28	-364	8.1	63.0	107.4	0.0	186.2	4	
8	144	-770	-2889	14	0	-15	-486	10.6	65.8	108.1	0.0	187.5	4	

ASTA NUM. 119 NI 829 NF 838 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-745	-1114	336	0	103	419	10.2	130.4	41.7	0.0	140.7	1	
1B	0	-745	-829	336	0	103	-947	10.2	188.8	31.0	0.0	199.1	1	
1C	0	-745	-1114	-320	0	-97	419	10.2	125.8	41.7	0.0	136.0	1	
1D	0	-745	-829	-320	0	-97	-947	10.2	184.2	31.0	0.0	194.4	1	
1E	0	39	-1114	336	0	103	419	0.5	130.4	41.7	0.0	131.0	1	
1F	0	39	-829	336	0	103	-947	0.5	188.8	31.0	0.0	189.3	1	
1G	0	39	-1114	-320	0	-97	419	0.5	125.8	41.7	0.0	126.3	1	
1H	0	39	-829	-320	0	-97	-947	0.5	184.2	31.0	0.0	184.7	1	
1I	0	-777	-1291	785	0	205	1268	10.7	307.6	48.3	0.0	318.3	1	
1J	0	-777	-651	785	0	205	-1796	10.7	366.0	27.3	0.0	376.7	1	
1K	0	-777	-1291	-770	0	-200	1268	10.7	303.0	48.3	0.0	313.7	1	
1L	0	-777	-651	-770	0	-200	-1796	10.7	361.4	26.7	0.0	372.1	1	
1M	0	71	-1291	785	0	205	1268	1.0	307.6	48.3	0.0	308.6	1	
1N	0	71	-651	785	0	205	-1796	1.0	366.0	27.3	0.0	367.0	1	
1O	0	71	-1291	-770	0	-200	1268	1.0	303.0	48.3	0.0	304.0	1	
1P	0	71	-651	-770	0	-200	-1796	1.0	361.4	26.7	0.0	362.4	1	
2	0	-941	-4713	-143	0	-34	-596	12.9	93.4	176.3	0.0	305.7	4	
7	0	-612	-3651	-158	0	-37	-366	8.4	70.4	136.6	0.0	236.7	4	
8	0	-791	-3671	-86	0	-20	-488	10.9	70.1	137.3	0.0	238.1	4	
1A	72	-746	-1154	336	0	-139	-196	10.3	135.1	43.2	0.0	145.3	1	
1B	72	-746	-870	336	0	-139	-1759	10.3	308.0	32.5	0.0	318.3	1	

1C	72	-746	-1154	-320	0	134	-196	10.3	130.5	43.2	0.0	140.8	1
1D	72	-746	-870	-320	0	134	-1759	10.3	303.5	32.5	0.0	313.7	1
1E	72	38	-1154	336	0	-139	-196	0.5	135.1	43.2	0.0	135.6	1
1F	72	38	-870	336	0	-139	-1759	0.5	308.0	32.5	0.0	308.6	1
1G	72	38	-1154	-320	0	134	-196	0.5	130.5	43.2	0.0	131.0	1
1H	72	38	-870	-320	0	134	-1759	0.5	303.5	32.5	0.0	304.0	1
1I	72	-778	-1332	785	0	-359	783	10.7	379.6	49.8	0.0	390.3	1
1J	72	-778	-692	785	0	-359	-2738	10.7	595.9	27.3	0.0	606.6	1
1K	72	-778	-1332	-770	0	354	783	10.7	375.1	49.8	0.0	385.8	1
1L	72	-778	-692	-770	0	354	-2738	10.7	591.3	26.7	0.0	602.0	1
1M	72	70	-1332	785	0	-359	783	1.0	379.6	49.8	0.0	380.6	1
1N	72	70	-692	785	0	-359	-2738	1.0	595.9	27.3	0.0	596.8	1
1O	72	70	-1332	-770	0	354	783	1.0	375.1	49.8	0.0	376.0	1
1P	72	70	-692	-770	0	354	-2738	1.0	591.3	26.7	0.0	592.3	1
2	72	-943	-4766	-143	0	69	-4004	13.0	499.6	178.3	0.0	512.6	1
7	72	-613	-3704	-158	0	77	-3010	8.4	395.6	138.6	0.0	404.0	1
8	72	-793	-3724	-86	0	42	-3147	10.9	382.4	139.3	0.0	393.3	1
1A	144	-747	-1195	336	0	-382	-840	10.3	403.9	44.7	0.0	414.1	1
1B	144	-747	-911	336	0	-382	-2600	10.3	598.6	34.1	0.0	608.8	1
1C	144	-747	-1195	-320	0	365	-840	10.3	390.0	44.7	0.0	400.3	1
1D	144	-747	-911	-320	0	365	-2600	10.3	584.8	34.1	0.0	595.0	1
1E	144	37	-1195	336	0	-382	-840	0.5	403.9	44.7	0.0	404.4	1
1F	144	37	-911	336	0	-382	-2600	0.5	598.6	34.1	0.0	599.1	1
1G	144	37	-1195	-320	0	365	-840	0.5	390.0	44.7	0.0	390.6	1
1H	144	37	-911	-320	0	365	-2600	0.5	584.8	34.1	0.0	585.3	1
1I	144	-779	-1373	785	0	-924	269	10.7	783.1	51.4	0.0	793.8	1
1J	144	-779	-733	785	0	-924	-3709	10.7	1163.7	27.4	0.0	1174.4	1
1K	144	-779	-1373	-770	0	907	269	10.7	769.3	51.4	0.0	780.0	1
1L	144	-779	-733	-770	0	907	-3709	10.7	1149.9	27.4	0.0	1160.6	1
1M	144	69	-1373	785	0	-924	269	1.0	783.1	51.4	0.0	784.1	1
1N	144	69	-733	785	0	-924	-3709	1.0	1163.7	27.4	0.0	1164.7	1
1O	144	69	-1373	-770	0	907	269	1.0	769.3	51.4	0.0	770.3	1
1P	144	69	-733	-770	0	907	-3709	1.0	1149.9	27.4	0.0	1150.8	1
2	144	-944	-4819	-143	0	173	-7450	13.0	964.9	180.3	0.0	977.9	1
7	144	-614	-3758	-158	0	190	-5693	8.5	784.8	140.6	0.0	793.3	1
8	144	-794	-3777	-86	0	104	-5844	10.9	731.0	141.3	0.0	741.9	1

ASTA NUM. 120 NI 838 NF 409 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-764	-1325	2465	0	352	-841	10.5	380.0	85.6	0.0	390.5	1	
1B	0	-764	-1041	2465	0	352	-2601	10.5	574.8	85.6	0.0	585.3	1	
1C	0	-764	-1325	-2398	0	-369	-841	10.5	393.5	83.3	0.0	404.0	1	
1D	0	-764	-1041	-2398	0	-369	-2601	10.5	588.3	83.3	0.0	598.8	1	
1E	0	47	-1325	2465	0	352	-841	0.6	380.0	85.6	0.0	380.6	1	
1F	0	47	-1041	2465	0	352	-2601	0.6	574.8	85.6	0.0	575.4	1	
1G	0	47	-1325	-2398	0	-369	-841	0.6	393.5	83.3	0.0	394.1	1	
1H	0	47	-1041	-2398	0	-369	-2601	0.6	588.3	83.3	0.0	588.9	1	
1I	0	-841	-1502	5202	0	879	269	11.6	746.5	180.7	0.0	758.1	1	
1J	0	-841	-864	5202	0	879	-3711	11.6	1127.3	180.7	0.0	1138.9	1	
1K	0	-841	-1502	-5135	0	-896	269	11.6	760.0	178.4	0.0	771.6	1	
1L	0	-841	-864	-5135	0	-896	-3711	11.6	1140.8	178.4	0.0	1152.4	1	
1M	0	123	-1502	5202	0	879	269	1.7	746.5	180.7	0.0	748.2	1	
1N	0	123	-864	5202	0	879	-3711	1.7	1127.3	180.7	0.0	1129.0	1	
1O	0	123	-1502	-5135	0	-896	269	1.7	760.0	178.4	0.0	761.7	1	
1P	0	123	-864	-5135	0	-896	-3711	1.7	1140.8	178.4	0.0	1142.5	1	
2	0	-970	-5735	-950	0	167	-7456	13.3	961.3	214.5	0.0	974.6	1	
7	0	-635	-4449	-1036	0	184	-5698	8.7	780.7	166.4	0.0	789.5	1	
8	0	-814	-4468	-577	0	100	-5848	11.2	728.8	167.1	0.0	740.0	1	
1A	12	-764	-1332	2465	0	651	-971	10.5	637.7	85.6	0.0	648.2	1	
1B	12	-764	-1048	2465	0	651	-2767	10.5	836.3	85.6	0.0	846.8	1	
1C	12	-764	-1332	-2398	0	-676	-971	10.5	658.0	83.3	0.0	668.5	1	
1D	12	-764	-1048	-2398	0	-676	-2767	10.5	856.6	83.3	0.0	867.1	1	
1E	12	46	-1332	2465	0	651	-971	0.6	637.7	85.6	0.0	638.3	1	
1F	12	46	-1048	2465	0	651	-2767	0.6	836.3	85.6	0.0	836.9	1	
1G	12	46	-1332	-2398	0	-676	-971	0.6	658.0	83.3	0.0	658.6	1	
1H	12	46	-1048	-2398	0	-676	-2767	0.6	856.6	83.3	0.0	857.3	1	
1I	12	-841	-1509	5202	0	1521	161	11.6	1257.2	180.7	0.0	1268.8	1	
1J	12	-841	-871	5202	0	1521	-3899	11.6	1670.8	180.7	0.0	1682.3	1	
1K	12	-841	-1509	-5135	0	-1546	161	11.6	1277.6	178.4	0.0	1289.1	1	
1L	12	-841	-871	-5135	0	-1546	-3899	11.6	1691.1	178.4	0.0	1702.7	1	
1M	12	123	-1509	5202	0	1521	161	1.7	1257.2	180.7	0.0	1258.9	1	
1N	12	123	-871	5202	0	1521	-3899	1.7	1670.8	180.7	0.0	1672.5	1	
1O	12	123	-1509	-5135	0	-1546	161	1.7	1277.6	178.4	0.0	1279.3	1	
1P	12	123	-871	-5135	0	-1546	-3899	1.7	1691.1	178.4	0.0	1692.8	1	
2	12	-970	-5744	-950	0	286	-8173	13.3	1137.3	214.9	0.0	1150.7	1	
7	12	-635	-4458	-1036	0	314	-6254	8.7	947.9	166.8	0.0	956.6	1	
8	12	-814	-4478	-577	0	173	-6407	11.2	849.4	167.5	0.0	860.6	1	
1A	25	-764	-1339	2465	0	949	-1103	10.5	895.5	85.6	0.0	906.0	1	
1B	25	-764	-1055	2465	0	949	-2933	10.5	1097.9	85.6	0.0	1108.4	1	
1C	25	-764	-1339	-2398	0	-982	-1103	10.5	922.7	83.3	0.0	933.2	1	
1D	25	-764	-1055	-2398	0	-982	-2933	10.5	1125.1	83.3	0.0	1135.6	1	
1E	25	46	-1339	2465	0	949	-1103	0.6	895.5	85.6	0.0	896.1	1	
1F	25	46	-1055	2465	0	949	-2933	0.6	1097.9	85.6	0.0	1098.5	1	
1G	25	46	-1339	-2398	0	-982	-1103	0.6	922.7	83.3	0.0	923.3	1	
1H	25	46	-1055	-2398	0	-982	-2933	0.6	1125.1	83.3	0.0	1125.7	1	
1I	25	-841	-1516	5202	0	2162	52	11.6	1767.8	180.7	0.0	1779.4	1	

1J	25	-841	-878	5202	0	2162	-4088	11.6	2214.3	180.7	0.0	2225.9	1
1K	25	-841	-1516	-5135	0	-2196	52	11.6	1795.0	178.4	0.0	1806.6	1
1L	25	-841	-878	-5135	0	-2196	-4088	11.6	2241.5	178.4	0.0	2253.1	1
1M	25	123	-1516	5202	0	2162	52	1.7	1767.8	180.7	0.0	1769.5	1
1N	25	123	-878	5202	0	2162	-4088	1.7	2214.3	180.7	0.0	2216.0	1
1O	25	123	-1516	-5135	0	-2196	52	1.7	1795.0	178.4	0.0	1796.7	1
1P	25	123	-878	-5135	0	-2196	-4088	1.7	2241.5	178.4	0.0	2243.2	1
2	25	-970	-5753	-950	0	405	-8891	13.3	1313.5	215.2	0.0	1326.8	1
7	25	-635	-4467	-1036	0	444	-6812	8.7	1115.1	167.1	0.0	1123.9	1
8	25	-814	-4487	-577	0	245	-6967	11.2	970.2	167.8	0.0	981.4	1

ASTA NUM. 121 NI 837 NF 834 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-901	924	305	0	348	-962	12.4	390.1	34.6	0.0	402.5	1	
1B	0	-901	1182	305	0	348	-2458	12.4	555.6	44.2	0.0	568.0	1	
1C	0	-901	924	-316	0	-360	-962	12.4	399.7	34.6	0.0	412.1	1	
1D	0	-901	1182	-316	0	-360	-2458	12.4	565.2	44.2	0.0	577.6	1	
1E	0	195	924	305	0	348	-962	2.7	390.1	34.6	0.0	392.8	1	
1F	0	195	1182	305	0	348	-2458	2.7	555.6	44.2	0.0	558.3	1	
1G	0	195	924	-316	0	-360	-962	2.7	399.7	34.6	0.0	402.4	1	
1H	0	195	1182	-316	0	-360	-2458	2.7	565.2	44.2	0.0	567.9	1	
1I	0	-994	744	768	0	905	211	13.7	760.8	27.8	0.0	774.5	1	
1J	0	-994	1362	768	0	905	-3631	13.7	1139.2	50.9	0.0	1152.8	1	
1K	0	-994	744	-779	0	-917	211	13.7	770.4	27.8	0.0	784.1	1	
1L	0	-994	1362	-779	0	-917	-3631	13.7	1148.8	50.9	0.0	1162.4	1	
1M	0	288	744	768	0	905	211	4.0	760.8	27.8	0.0	764.8	1	
1N	0	288	1362	768	0	905	-3631	4.0	1139.2	50.9	0.0	1143.1	1	
1O	0	288	744	-779	0	-917	211	4.0	770.4	27.8	0.0	774.4	1	
1P	0	288	1362	-779	0	-917	-3631	4.0	1148.8	50.9	0.0	1152.7	1	
2	0	-933	5052	-184	0	-221	-8824	12.8	1156.2	189.0	0.0	1169.0	1	
7	0	-602	3974	-191	0	-230	-6968	8.3	957.9	148.6	0.0	966.2	1	
8	0	-787	3954	-119	0	-143	-6886	10.8	878.4	147.9	0.0	889.3	1	
1A	72	-900	883	305	0	128	-308	12.4	138.1	33.0	0.0	150.5	1	
1B	72	-900	1140	305	0	128	-1628	12.4	284.2	42.7	0.0	296.6	1	
1C	72	-900	883	-316	0	-132	-308	12.4	141.5	33.0	0.0	153.9	1	
1D	72	-900	1140	-316	0	-132	-1628	12.4	287.6	42.7	0.0	300.0	1	
1E	72	196	883	305	0	128	-308	2.7	138.1	33.0	0.0	140.8	1	
1F	72	196	1140	305	0	128	-1628	2.7	284.2	42.7	0.0	286.9	1	
1G	72	196	883	-316	0	-132	-308	2.7	141.5	33.0	0.0	144.2	1	
1H	72	196	1140	-316	0	-132	-1628	2.7	287.6	42.7	0.0	290.3	1	
1I	72	-993	703	768	0	352	733	13.7	367.9	26.7	0.0	381.5	1	
1J	72	-993	1321	768	0	352	-2669	13.7	582.1	49.4	0.0	595.7	1	
1K	72	-993	703	-779	0	-356	733	13.7	371.3	27.1	0.0	385.0	1	
1L	72	-993	1321	-779	0	-356	-2669	13.7	585.5	49.4	0.0	599.2	1	
1M	72	289	703	768	0	352	733	4.0	367.9	26.7	0.0	371.9	1	
1N	72	289	1321	768	0	352	-2669	4.0	582.1	49.4	0.0	586.1	1	
1O	72	289	703	-779	0	-356	733	4.0	371.3	27.1	0.0	375.3	1	
1P	72	289	1321	-779	0	-356	-2669	4.0	585.5	49.4	0.0	589.5	1	
2	72	-932	4998	-184	0	-89	-5211	12.8	648.9	187.0	0.0	661.7	1	
7	72	-601	3920	-191	0	-92	-4130	8.3	532.0	146.6	0.0	540.2	1	
8	72	-785	3900	-119	0	-58	-4062	10.8	496.3	145.9	0.0	507.1	1	
1A	144	-899	842	305	0	-93	317	12.4	110.7	31.5	0.0	123.0	1	
1B	144	-899	1099	305	0	-93	-828	12.4	167.2	41.1	0.0	179.6	1	
1C	144	-899	842	-316	0	96	317	12.4	113.5	31.5	0.0	125.8	1	
1D	144	-899	1099	-316	0	96	-828	12.4	170.0	41.1	0.0	182.3	1	
1E	144	197	842	305	0	-93	317	2.7	110.7	31.5	0.0	113.4	1	
1F	144	197	1099	305	0	-93	-828	2.7	167.2	41.1	0.0	169.9	1	
1G	144	197	842	-316	0	96	317	2.7	113.5	31.5	0.0	116.2	1	
1H	144	197	1099	-316	0	96	-828	2.7	170.0	41.1	0.0	172.7	1	
1I	144	-992	662	768	0	-201	1225	13.6	299.3	26.7	0.0	312.9	1	
1J	144	-992	1280	768	0	-201	-1736	13.6	355.8	47.9	0.0	369.5	1	
1K	144	-992	662	-779	0	204	1225	13.6	302.1	27.1	0.0	315.7	1	
1L	144	-992	1280	-779	0	204	-1736	13.6	358.6	47.9	0.0	372.3	1	
1M	144	290	662	768	0	-201	1225	4.0	299.3	26.7	0.0	303.3	1	
1N	144	290	1280	768	0	-201	-1736	4.0	355.8	47.9	0.0	359.8	1	
1O	144	290	662	-779	0	204	1225	4.0	302.1	27.1	0.0	306.1	1	
1P	144	290	1280	-779	0	204	-1736	4.0	358.6	47.9	0.0	362.6	1	
2	144	-930	4945	-184	0	43	-1636	12.8	216.1	185.0	0.0	320.7	4	
7	144	-599	3867	-191	0	45	-1330	8.2	184.0	144.6	0.0	250.7	4	
8	144	-784	3847	-119	0	28	-1277	10.8	164.2	143.9	0.0	249.5	4	

ASTA NUM. 122 NI 834 NF 833 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-854	690	44	0	79	318	11.8	99.2	25.8	0.0	111.0	1	
1B	0	-854	941	44	0	79	-828	11.8	155.6	35.2	0.0	167.3	1	
1C	0	-854	690	-44	0	-76	318	11.8	96.8	25.8	0.0	108.6	1	
1D	0	-854	941	-44	0	-76	-828	11.8	153.2	35.2	0.0	164.9	1	
1E	0	160	690	44	0	79	318	2.2	99.2	25.8	0.0	101.4	1	

1F	0	160	941	44	0	79	-828	2.2	155.6	35.2	0.0	157.8	1
1G	0	160	690	-44	0	-76	318	2.2	96.8	25.8	0.0	99.0	1
1H	0	160	941	-44	0	-76	-828	2.2	153.2	35.2	0.0	155.4	1
1I	0	-904	513	116	0	162	1226	12.4	267.4	19.2	0.0	279.9	1
1J	0	-904	1117	116	0	162	-1735	12.4	323.8	41.8	0.0	336.2	1
1K	0	-904	513	-116	0	-159	1226	12.4	265.0	19.2	0.0	277.4	1
1L	0	-904	1117	-116	0	-159	-1735	12.4	321.4	41.8	0.0	333.8	1
1M	0	210	513	116	0	162	1226	2.9	267.4	19.2	0.0	270.3	1
1N	0	210	1117	116	0	162	-1735	2.9	323.8	41.8	0.0	326.7	1
1O	0	210	513	-116	0	-159	1226	2.9	265.0	19.2	0.0	267.9	1
1P	0	210	1117	-116	0	-159	-1735	2.9	321.4	41.8	0.0	324.3	1
2	0	-906	3901	21	0	33	-1633	12.5	207.6	145.9	0.0	266.2	3
7	0	-581	3075	23	0	35	-1328	8.0	175.3	115.0	0.0	211.7	3
8	0	-765	3056	13	0	22	-1274	10.5	158.5	114.3	0.0	208.6	3
1A	72	-853	649	44	0	52	807	11.7	131.8	24.3	0.0	143.6	1
1B	72	-853	900	44	0	52	-174	11.7	61.8	33.6	0.0	73.5	1
1C	72	-853	649	-44	0	-49	807	11.7	129.4	24.3	0.0	141.1	1
1D	72	-853	900	-44	0	-49	-174	11.7	59.3	33.6	0.0	71.1	1
1E	72	161	649	44	0	52	807	2.2	131.8	24.3	0.0	134.1	1
1F	72	161	900	44	0	52	-174	2.2	61.8	33.6	0.0	64.0	1
1G	72	161	649	-44	0	-49	807	2.2	129.4	24.3	0.0	131.6	1
1H	72	161	900	-44	0	-49	-174	2.2	59.3	33.6	0.0	61.6	1
1I	72	-903	472	116	0	73	1582	12.4	234.4	17.7	0.0	246.8	1
1J	72	-903	1076	116	0	73	-949	12.4	164.4	40.3	0.0	176.8	1
1K	72	-903	472	-116	0	-70	1582	12.4	232.0	17.7	0.0	244.4	1
1L	72	-903	1076	-116	0	-70	-949	12.4	161.9	40.3	0.0	174.3	1
1M	72	211	472	116	0	73	1582	2.9	234.4	17.7	0.0	237.3	1
1N	72	211	1076	116	0	73	-949	2.9	164.4	40.3	0.0	167.3	1
1O	72	211	472	-116	0	-70	1582	2.9	232.0	17.7	0.0	234.9	1
1P	72	211	1076	-116	0	-70	-949	2.9	161.9	40.3	0.0	164.8	1
2	72	-905	3848	21	0	18	1153	12.4	141.9	143.9	0.0	249.6	4
7	72	-580	3022	23	0	18	864	8.0	110.4	113.0	0.0	195.9	4
8	72	-764	3002	13	0	12	904	10.5	109.7	112.3	0.0	194.8	4
1A	144	-852	608	44	0	26	1267	11.7	161.2	22.7	0.0	172.9	1
1B	144	-852	859	44	0	26	450	11.7	70.9	32.1	0.0	82.6	1
1C	144	-852	608	-44	0	-23	1267	11.7	158.7	22.7	0.0	170.5	1
1D	144	-852	859	-44	0	-23	450	11.7	68.4	32.1	0.0	80.1	1
1E	144	162	608	44	0	26	1267	2.2	161.2	22.7	0.0	163.4	1
1F	144	162	859	44	0	26	450	2.2	70.9	32.1	0.0	73.1	1
1G	144	162	608	-44	0	-23	1267	2.2	158.7	22.7	0.0	161.0	1
1H	144	162	859	-44	0	-23	450	2.2	68.4	32.1	0.0	70.7	1
1I	144	-902	431	116	0	-16	1909	12.4	224.3	16.1	0.0	236.7	1
1J	144	-902	1035	116	0	-16	-192	12.4	34.3	38.7	0.0	68.3	4
1K	144	-902	431	-116	0	19	1909	12.4	226.7	16.1	0.0	239.1	1
1L	144	-902	1035	-116	0	19	-192	12.4	36.8	38.7	0.0	68.3	4
1M	144	212	431	116	0	-16	1909	2.9	224.3	16.1	0.0	227.2	1
1N	144	212	1035	116	0	-16	-192	2.9	34.3	38.7	0.0	67.2	4
1O	144	212	431	-116	0	19	1909	2.9	226.7	16.1	0.0	229.7	1
1P	144	212	1035	-116	0	19	-192	2.9	36.8	38.7	0.0	67.2	4
2	144	-903	3795	21	0	2	3901	12.4	433.3	142.0	0.0	454.9	3
7	144	-579	2968	23	0	1	3018	8.0	335.0	111.0	0.0	351.1	3
8	144	-763	2949	13	0	2	3043	10.5	338.5	110.3	0.0	355.4	3

ASTA NUM. 123 NI 833 NF 832 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-810	441	19	0	34	1267	11.1	168.2	16.5	0.0	179.3	1	
1B	0	-810	682	19	0	34	450	11.1	77.8	25.5	0.0	88.9	1	
1C	0	-810	441	-18	0	-32	1267	11.1	166.0	16.5	0.0	177.1	1	
1D	0	-810	682	-18	0	-32	450	11.1	75.6	25.5	0.0	86.8	1	
1E	0	128	441	19	0	34	1267	1.8	168.2	16.5	0.0	169.9	1	
1F	0	128	682	19	0	34	450	1.8	77.8	25.5	0.0	79.6	1	
1G	0	128	441	-18	0	-32	1267	1.8	166.0	16.5	0.0	167.8	1	
1H	0	128	682	-18	0	-32	450	1.8	75.6	25.5	0.0	77.4	1	
1I	0	-819	268	51	0	56	1911	11.3	257.3	10.0	0.0	268.5	1	
1J	0	-819	855	51	0	56	-193	11.3	67.2	32.0	0.0	78.5	1	
1K	0	-819	268	-50	0	-54	1911	11.3	255.1	10.0	0.0	266.4	1	
1L	0	-819	855	-50	0	-54	-193	11.3	65.1	32.0	0.0	76.3	1	
1M	0	137	268	51	0	56	1911	1.9	257.3	10.0	0.0	259.2	1	
1N	0	137	855	51	0	56	-193	1.9	67.2	32.0	0.0	69.1	1	
1O	0	137	268	-50	0	-54	1911	1.9	255.1	10.0	0.0	257.0	1	
1P	0	137	855	-50	0	-54	-193	1.9	65.1	32.0	0.0	66.9	1	
2	0	-878	2676	-7	0	-7	3903	12.1	437.7	100.1	0.0	449.8	1	
7	0	-560	2118	-9	0	-8	3019	7.7	340.8	79.2	0.0	348.5	1	
8	0	-743	2099	-4	0	-4	3045	10.2	340.0	78.5	0.0	350.2	1	
1A	72	-809	400	19	0	29	1583	11.1	198.5	15.0	0.0	209.6	1	
1B	72	-809	641	19	0	29	914	11.1	124.5	24.0	0.0	135.6	1	
1C	72	-809	400	-18	0	-27	1583	11.1	196.9	15.0	0.0	208.0	1	
1D	72	-809	641	-18	0	-27	914	11.1	122.9	24.0	0.0	134.1	1	
1E	72	129	400	19	0	29	1583	1.8	198.5	15.0	0.0	200.3	1	
1F	72	129	641	19	0	29	914	1.8	124.5	24.0	0.0	126.3	1	
1G	72	129	400	-18	0	-27	1583	1.8	196.9	15.0	0.0	198.7	1	
1H	72	129	641	-18	0	-27	914	1.8	122.9	24.0	0.0	124.7	1	
1I	72	-818	227	51	0	15	2093	11.3	244.1	8.5	0.0	255.4	1	
1J	72	-818	814	51	0	15	404	11.3	57.3	30.4	0.0	68.5	1	
1K	72	-818	227	-50	0	-14	2093	11.3	242.6	8.5	0.0	253.8	1	
1L	72	-818	814	-50	0	-14	404	11.3	55.7	30.4	0.0	67.1	3	

1M	72	138	227	51	0	15	2093	1.9	244.1	8.5	0.0	246.1	1
1N	72	138	814	51	0	15	404	1.9	57.3	30.4	0.0	59.9	3
1O	72	138	227	-50	0	-14	2093	1.9	242.6	8.5	0.0	244.5	1
1P	72	138	814	-50	0	-14	404	1.9	55.7	30.4	0.0	59.9	3
2	72	-876	2622	-7	0	-2	5808	12.1	644.1	98.1	0.0	656.2	1
7	72	-559	2064	-9	0	-2	4523	7.7	502.0	77.2	0.0	509.7	1
8	72	-742	2046	-4	0	-1	4535	10.2	502.3	76.5	0.0	512.5	1
1A	144	-808	359	19	0	23	1868	11.1	225.6	13.4	0.0	236.7	1
1B	144	-808	600	19	0	23	1348	11.1	168.0	22.4	0.0	179.1	1
1C	144	-808	359	-18	0	-22	1868	11.1	224.6	13.4	0.0	235.7	1
1D	144	-808	600	-18	0	-22	1348	11.1	167.0	22.4	0.0	178.1	1
1E	144	130	359	19	0	23	1868	1.8	225.6	13.4	0.0	227.4	1
1F	144	130	600	19	0	23	1348	1.8	168.0	22.4	0.0	169.8	1
1G	144	130	359	-18	0	-22	1868	1.8	224.6	13.4	0.0	226.4	1
1H	144	130	600	-18	0	-22	1348	1.8	167.0	22.4	0.0	168.8	1
1I	144	-817	186	51	0	-25	2246	11.2	269.1	7.0	0.0	280.4	1
1J	144	-817	773	51	0	-25	970	11.2	128.0	28.9	0.0	139.3	1
1K	144	-817	186	-50	0	27	2246	11.2	270.1	7.0	0.0	281.4	1
1L	144	-817	773	-50	0	27	970	11.2	129.0	28.9	0.0	140.3	1
1M	144	140	186	51	0	-25	2246	1.9	269.1	7.0	0.0	271.0	1
1N	144	140	773	51	0	-25	970	1.9	128.0	28.9	0.0	130.0	1
1O	144	140	186	-50	0	27	2246	1.9	270.1	7.0	0.0	272.0	1
1P	144	140	773	-50	0	27	970	1.9	129.0	28.9	0.0	131.0	1
2	144	-875	2569	-7	0	3	7674	12.0	851.7	96.1	0.0	863.7	1
7	144	-557	2011	-9	0	4	5988	7.7	665.9	75.2	0.0	673.6	1
8	144	-741	1992	-4	0	2	5986	10.2	664.1	74.5	0.0	674.2	1

ASTA NUM. 124 NI 832 NF 836 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-770	183	36	0	20	1868	10.6	222.9	6.8	0.0	233.5	1	
1B	0	-770	416	36	0	20	1348	10.6	165.3	15.6	0.0	175.9	1	
1C	0	-770	183	-41	0	-19	1868	10.6	222.1	6.8	0.0	232.7	1	
1D	0	-770	416	-41	0	-19	1348	10.6	164.5	15.6	0.0	175.1	1	
1E	0	100	183	36	0	20	1868	1.4	222.9	6.8	0.0	224.3	1	
1F	0	100	416	36	0	20	1348	1.4	165.3	15.6	0.0	166.7	1	
1G	0	100	183	-41	0	-19	1868	1.4	222.1	6.8	0.0	223.5	1	
1H	0	100	416	-41	0	-19	1348	1.4	164.5	15.6	0.0	165.9	1	
1I	0	-743	12	33	0	23	2246	10.2	266.8	1.1	0.0	277.1	1	
1J	0	-743	587	33	0	23	970	10.2	125.7	21.9	0.0	135.9	1	
1K	0	-743	12	-38	0	-22	2246	10.2	266.1	1.3	0.0	276.3	1	
1L	0	-743	587	-38	0	-22	970	10.2	124.9	21.9	0.0	135.1	1	
1M	0	73	12	33	0	23	2246	1.0	266.8	1.1	0.0	267.8	1	
1N	0	73	587	33	0	23	970	1.0	125.7	21.9	0.0	126.7	1	
1O	0	73	12	-38	0	-22	2246	1.0	266.1	1.3	0.0	267.1	1	
1P	0	73	587	-38	0	-22	970	1.0	124.9	21.9	0.0	125.9	1	
2	0	-849	1411	-22	0	-6	7675	11.7	854.2	52.8	0.0	865.8	1	
7	0	-538	1130	-18	0	-6	5989	7.4	667.2	42.3	0.0	674.6	1	
8	0	-720	1110	-16	0	-4	5986	9.9	665.4	41.5	0.0	675.3	1	
1A	72	-769	142	36	0	42	2005	10.6	256.4	5.3	0.0	266.9	1	
1B	72	-769	375	36	0	42	1611	10.6	212.8	14.0	0.0	223.3	1	
1C	72	-769	142	-41	0	-38	2005	10.6	252.7	5.3	0.0	263.3	1	
1D	72	-769	375	-41	0	-38	1611	10.6	209.1	14.0	0.0	219.7	1	
1E	72	101	142	36	0	42	2005	1.4	256.4	5.3	0.0	257.8	1	
1F	72	101	375	36	0	42	1611	1.4	212.8	14.0	0.0	214.2	1	
1G	72	101	142	-41	0	-38	2005	1.4	252.7	5.3	0.0	254.1	1	
1H	72	101	375	-41	0	-38	1611	1.4	209.1	14.0	0.0	210.5	1	
1I	72	-742	-29	33	0	-5	2247	10.2	252.4	1.1	0.0	262.6	1	
1J	72	-742	546	33	0	-5	1370	10.2	155.4	20.4	0.0	165.6	1	
1K	72	-742	-29	-38	0	9	2247	10.2	256.1	1.3	0.0	266.3	1	
1L	72	-742	546	-38	0	9	1370	10.2	159.0	20.4	0.0	169.2	1	
1M	72	74	-29	33	0	-5	2247	1.0	252.4	1.1	0.0	253.5	1	
1N	72	74	546	33	0	-5	1370	1.0	155.4	20.4	0.0	156.4	1	
1O	72	74	-29	-38	0	9	2247	1.0	256.1	1.3	0.0	257.1	1	
1P	72	74	546	-38	0	9	1370	1.0	159.0	20.4	0.0	160.1	1	
2	72	-847	1358	-22	0	10	8670	11.7	967.0	50.8	0.0	978.7	1	
7	72	-537	1077	-18	0	8	6782	7.4	756.6	40.3	0.0	764.0	1	
8	72	-719	1057	-16	0	8	6766	9.9	754.7	39.5	0.0	764.6	1	
1A	144	-768	101	36	0	65	2113	10.6	286.6	3.8	0.0	297.1	1	
1B	144	-768	334	36	0	65	1845	10.6	257.0	12.5	0.0	267.5	1	
1C	144	-768	101	-41	0	-57	2113	10.6	280.0	3.8	0.0	290.6	1	
1D	144	-768	334	-41	0	-57	1845	10.6	250.4	12.5	0.0	261.0	1	
1E	144	102	101	36	0	65	2113	1.4	286.6	3.8	0.0	288.0	1	
1F	144	102	334	36	0	65	1845	1.4	257.0	12.5	0.0	258.4	1	
1G	144	102	101	-41	0	-57	2113	1.4	280.0	3.8	0.0	281.4	1	
1H	144	102	334	-41	0	-57	1845	1.4	250.4	12.5	0.0	251.8	1	
1I	144	-741	-70	33	0	-32	2219	10.2	271.5	2.6	0.0	281.7	1	
1J	144	-741	505	33	0	-32	1739	10.2	218.5	18.9	0.0	228.7	1	
1K	144	-741	-70	-38	0	40	2219	10.2	278.1	2.6	0.0	288.3	1	
1L	144	-741	505	-38	0	40	1739	10.2	225.1	18.9	0.0	235.3	1	
1M	144	75	-70	33	0	-32	2219	1.0	271.5	2.6	0.0	272.6	1	
1N	144	75	505	33	0	-32	1739	1.0	218.5	18.9	0.0	219.6	1	
1O	144	75	-70	-38	0	40	2219	1.0	278.1	2.6	0.0	279.1	1	
1P	144	75	505	-38	0	40	1739	1.0	225.1	18.9	0.0	226.1	1	
2	144	-846	1304	-22	0	25	9627	11.6	1085.8	48.8	0.0	1097.4	1	
7	144	-535	1024	-18	0	21	7537	7.4	850.9	38.3	0.0	858.3	1	
8	144	-718	1004	-16	0	19	7507	9.9	846.1	37.6	0.0	856.0	1	

ASTA NUM. 125 NI 836 NF 725 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-737	-83	24	0	64	2114	10.1	285.7	3.1	0.0	295.8	1	
1B	0	-737	150	24	0	64	1846	10.1	256.0	5.6	0.0	266.2	1	
1C	0	-737	-83	-24	0	-56	2114	10.1	279.2	3.1	0.0	289.3	1	
1D	0	-737	150	-24	0	-56	1846	10.1	249.5	5.6	0.0	259.7	1	
1E	0	80	-83	24	0	64	2114	1.1	285.7	3.1	0.0	286.8	1	
1F	0	80	150	24	0	64	1846	1.1	256.0	5.6	0.0	257.1	1	
1G	0	80	-83	-24	0	-56	2114	1.1	279.2	3.1	0.0	280.3	1	
1H	0	80	150	-24	0	-56	1846	1.1	249.5	5.6	0.0	250.6	1	
1I	0	-686	-252	33	0	40	2220	9.4	277.9	9.4	0.0	287.3	1	
1J	0	-686	319	33	0	40	1740	9.4	224.8	11.9	0.0	234.2	1	
1K	0	-686	-252	-33	0	-32	2220	9.4	271.4	9.4	0.0	280.8	1	
1L	0	-686	319	-33	0	-32	1740	9.4	218.3	11.9	0.0	227.7	1	
1M	0	29	-252	33	0	40	2220	0.4	277.9	9.4	0.0	278.3	1	
1N	0	29	319	33	0	40	1740	0.4	224.8	11.9	0.0	225.2	1	
1O	0	29	-252	-33	0	-32	2220	0.4	271.4	9.4	0.0	271.8	1	
1P	0	29	319	-33	0	-32	1740	0.4	218.3	11.9	0.0	218.7	1	
2	0	-819	131	-6	0	16	9627	11.3	1078.3	4.9	0.0	1089.6	1	
7	0	-515	132	-7	0	11	7537	7.1	843.1	4.9	0.0	850.2	1	
8	0	-697	111	-4	0	13	7507	9.6	841.4	4.2	0.0	850.9	1	
1A	37	-736	-104	24	0	66	2097	10.1	286.1	3.9	0.0	296.3	1	
1B	37	-736	129	24	0	66	1880	10.1	262.1	4.8	0.0	272.2	1	
1C	37	-736	-104	-24	0	-59	2097	10.1	279.7	3.9	0.0	289.9	1	
1D	37	-736	129	-24	0	-59	1880	10.1	255.7	4.8	0.0	265.8	1	
1E	37	81	-104	24	0	66	2097	1.1	286.1	3.9	0.0	287.2	1	
1F	37	81	129	24	0	66	1880	1.1	262.1	4.8	0.0	263.2	1	
1G	37	81	-104	-24	0	-59	2097	1.1	279.7	3.9	0.0	280.8	1	
1H	37	81	129	-24	0	-59	1880	1.1	255.7	4.8	0.0	256.8	1	
1I	37	-685	-274	33	0	33	2139	9.4	263.2	10.2	0.0	272.6	1	
1J	37	-685	298	33	0	33	1838	9.4	229.9	11.1	0.0	239.3	1	
1K	37	-685	-274	-33	0	-25	2139	9.4	256.8	10.2	0.0	266.2	1	
1L	37	-685	298	-33	0	-25	1838	9.4	223.5	11.1	0.0	232.9	1	
1M	37	30	-274	33	0	33	2139	0.4	263.2	10.2	0.0	263.6	1	
1N	37	30	298	33	0	33	1838	0.4	229.9	11.1	0.0	230.3	1	
1O	37	30	-274	-33	0	-25	2139	0.4	256.8	10.2	0.0	257.2	1	
1P	37	30	298	-33	0	-25	1838	0.4	223.5	11.1	0.0	223.9	1	
2	37	-818	103	-6	0	19	9671	11.3	1085.1	3.9	0.0	1096.3	1	
7	37	-514	104	-7	0	14	7581	7.1	850.0	3.9	0.0	857.1	1	
8	37	-696	83	-4	0	15	7543	9.6	846.5	3.1	0.0	856.1	1	
1A	75	-736	-126	24	0	69	2072	10.1	285.7	4.7	0.0	295.9	1	
1B	75	-736	107	24	0	69	1906	10.1	267.3	4.0	0.0	277.4	1	
1C	75	-736	-126	-24	0	-62	2072	10.1	279.4	4.7	0.0	289.5	1	
1D	75	-736	107	-24	0	-62	1906	10.1	261.0	4.0	0.0	271.1	1	
1E	75	81	-126	24	0	69	2072	1.1	285.7	4.7	0.0	286.9	1	
1F	75	81	107	24	0	69	1906	1.1	267.3	4.0	0.0	268.4	1	
1G	75	81	-126	-24	0	-62	2072	1.1	279.4	4.7	0.0	280.5	1	
1H	75	81	107	-24	0	-62	1906	1.1	261.0	4.0	0.0	262.1	1	
1I	75	-685	-295	33	0	26	2050	9.4	247.7	11.0	0.0	257.1	1	
1J	75	-685	277	33	0	26	1928	9.4	234.1	10.3	0.0	243.5	1	
1K	75	-685	-295	-33	0	-18	2050	9.4	241.3	11.0	0.0	250.8	1	
1L	75	-685	277	-33	0	-18	1928	9.4	227.8	10.3	0.0	237.2	1	
1M	75	30	-295	33	0	26	2050	0.4	247.7	11.0	0.0	248.1	1	
1N	75	30	277	33	0	26	1928	0.4	234.1	10.3	0.0	234.5	1	
1O	75	30	-295	-33	0	-18	2050	0.4	241.3	11.0	0.0	241.8	1	
1P	75	30	277	-33	0	-18	1928	0.4	227.8	10.3	0.0	228.2	1	
2	75	-817	76	-6	0	21	9704	11.2	1090.6	2.8	0.0	1101.9	1	
7	75	-514	76	-7	0	16	7615	7.1	855.8	2.9	0.0	862.8	1	
8	75	-695	55	-4	0	16	7569	9.6	850.6	2.1	0.0	860.1	1	

ASTA NUM. 126 NI 845 NF 841 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6278	-226	19	0	43	3460	86.4	417.6	8.5	0.0	503.9	1	
1B	0	-6278	63	19	0	43	1324	86.4	181.3	2.4	0.0	267.6	1	
1C	0	-6278	-226	-23	0	-39	3460	86.4	414.9	8.5	0.0	501.3	1	
1D	0	-6278	63	-23	0	-39	1324	86.4	178.6	2.4	0.0	265.0	1	
1E	0	2982	-226	19	0	43	3460	41.0	417.6	8.5	0.0	458.6	1	
1F	0	2982	63	19	0	43	1324	41.0	181.3	2.4	0.0	222.3	1	
1G	0	2982	-226	-23	0	-39	3460	41.0	414.9	8.5	0.0	455.9	1	
1H	0	2982	63	-23	0	-39	1324	41.0	178.6	2.4	0.0	219.6	1	
1I	0	-4162	-148	16	0	20	2736	57.2	319.1	5.6	0.0	376.4	1	
1J	0	-4162	-15	16	0	20	2048	57.2	243.0	0.6	0.0	300.3	1	
1K	0	-4162	-148	-20	0	-17	2736	57.2	316.5	5.6	0.0	373.7	1	
1L	0	-4162	-15	-20	0	-17	2048	57.2	240.4	0.7	0.0	297.6	1	
1M	0	866	-148	16	0	20	2736	11.9	319.1	5.6	0.0	331.0	1	
1N	0	866	-15	16	0	20	2048	11.9	243.0	0.6	0.0	254.9	1	
1O	0	866	-148	-20	0	-17	2736	11.9	316.5	5.6	0.0	328.4	1	

1P	0	866	-15	-20	0	-17	2048	11.9	240.4	0.7	0.0	252.3	1
2	0	-7791	-530	-8	0	10	11500	107.2	1280.2	19.8	0.0	1387.3	1
7	0	-6186	-403	-7	0	7	9006	85.1	1002.0	15.1	0.0	1087.1	1
8	0	-6074	-402	-6	0	8	8982	83.5	999.9	15.0	0.0	1083.4	1
1A	72	-6279	-267	19	0	33	3293	86.4	391.2	10.0	0.0	477.5	1
1B	72	-6279	22	19	0	33	1344	86.4	175.5	0.8	0.0	261.9	1
1C	72	-6279	-267	-23	0	-27	3293	86.4	386.1	10.0	0.0	472.5	1
1D	72	-6279	22	-23	0	-27	1344	86.4	170.5	0.8	0.0	256.8	1
1E	72	2981	-267	19	0	33	3293	41.0	391.2	10.0	0.0	432.2	1
1F	72	2981	22	19	0	33	1344	41.0	175.5	0.8	0.0	216.5	1
1G	72	2981	-267	-23	0	-27	3293	41.0	386.1	10.0	0.0	427.1	1
1H	72	2981	22	-23	0	-27	1344	41.0	170.5	0.8	0.0	211.5	1
1I	72	-4163	-189	16	0	4	2641	57.3	295.4	7.1	0.0	352.7	1
1J	72	-4163	-56	16	0	4	1997	57.3	224.2	2.1	0.0	281.5	1
1K	72	-4163	-189	-20	0	2	2641	57.3	293.9	7.1	0.0	351.1	1
1L	72	-4163	-56	-20	0	2	1997	57.3	222.6	2.1	0.0	279.9	1
1M	72	865	-189	16	0	4	2641	11.9	295.4	7.1	0.0	307.3	1
1N	72	865	-56	16	0	4	1997	11.9	224.2	2.1	0.0	236.1	1
1O	72	865	-189	-20	0	2	2641	11.9	293.9	7.1	0.0	305.8	1
1P	72	865	-56	-20	0	2	1997	11.9	222.6	2.1	0.0	234.5	1
2	72	-7792	-583	-8	0	15	11099	107.2	1240.5	21.8	0.0	1347.7	1
7	72	-6188	-456	-7	0	12	8697	85.1	972.2	17.1	0.0	1057.3	1
8	72	-6075	-455	-6	0	12	8674	83.6	969.3	17.0	0.0	1052.9	1
1A	144	-6280	-308	19	0	23	3098	86.4	361.5	11.5	0.0	447.9	1
1B	144	-6280	-19	19	0	23	1334	86.4	166.4	0.7	0.0	252.8	1
1C	144	-6280	-308	-23	0	-14	3098	86.4	354.1	11.5	0.0	440.5	1
1D	144	-6280	-19	-23	0	-14	1334	86.4	159.0	0.8	0.0	245.4	1
1E	144	2980	-308	19	0	23	3098	41.0	361.5	11.5	0.0	402.5	1
1F	144	2980	-19	19	0	23	1334	41.0	166.4	0.7	0.0	207.4	1
1G	144	2980	-308	-23	0	-14	3098	41.0	354.1	11.5	0.0	395.1	1
1H	144	2980	-19	-23	0	-14	1334	41.0	159.0	0.8	0.0	200.0	1
1I	144	-4164	-230	16	0	-12	2516	57.3	288.2	8.6	0.0	345.4	1
1J	144	-4164	-97	16	0	-12	1916	57.3	221.9	3.6	0.0	279.1	1
1K	144	-4164	-230	-20	0	21	2516	57.3	295.6	8.6	0.0	352.8	1
1L	144	-4164	-97	-20	0	21	1916	57.3	229.2	3.6	0.0	286.5	1
1M	144	864	-230	16	0	-12	2516	11.9	288.2	8.6	0.0	300.0	1
1N	144	864	-97	16	0	-12	1916	11.9	221.9	3.6	0.0	233.7	1
1O	144	864	-230	-20	0	21	2516	11.9	295.6	8.6	0.0	307.4	1
1P	144	864	-97	-20	0	21	1916	11.9	229.2	3.6	0.0	241.1	1
2	144	-7794	-636	-8	0	21	10660	107.2	1196.6	23.8	0.0	1303.8	1
7	144	-6189	-510	-7	0	18	8349	85.1	938.1	19.1	0.0	1023.2	1
8	144	-6076	-509	-6	0	16	8327	83.6	934.6	19.0	0.0	1018.1	1

ASTA NUM. 127 NI 841 NF 840 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5360	-422	13	0	25	3098	73.7	362.8	15.8	0.0	436.5	1	
1B	0	-5360	-79	13	0	25	1334	73.7	167.6	3.0	0.0	241.3	1	
1C	0	-5360	-422	-9	0	-15	3098	73.7	355.3	15.8	0.0	429.0	1	
1D	0	-5360	-79	-9	0	-15	1334	73.7	160.1	3.0	0.0	233.8	1	
1E	0	2872	-422	13	0	25	3098	39.5	362.8	15.8	0.0	402.3	1	
1F	0	2872	-79	13	0	25	1334	39.5	167.6	3.0	0.0	207.1	1	
1G	0	2872	-422	-9	0	-15	3098	39.5	355.3	15.8	0.0	394.8	1	
1H	0	2872	-79	-9	0	-15	1334	39.5	160.1	3.0	0.0	199.6	1	
1I	0	-4525	-313	25	0	17	2516	62.2	292.5	11.7	0.0	354.8	1	
1J	0	-4525	-187	25	0	17	1916	62.2	226.2	7.0	0.0	288.4	1	
1K	0	-4525	-313	-21	0	-8	2516	62.2	285.1	11.7	0.0	347.3	1	
1L	0	-4525	-187	-21	0	-8	1916	62.2	218.7	7.0	0.0	280.9	1	
1M	0	2037	-313	25	0	17	2516	28.0	292.5	11.7	0.0	320.6	1	
1N	0	2037	-187	25	0	17	1916	28.0	226.2	7.0	0.0	254.2	1	
1O	0	2037	-313	-21	0	-8	2516	28.0	285.1	11.7	0.0	313.1	1	
1P	0	2037	-187	-21	0	-8	1916	28.0	218.7	7.0	0.0	246.7	1	
2	0	-6171	-1342	4	0	17	10660	84.9	1192.9	50.2	0.0	1277.8	1	
7	0	-5013	-1040	2	0	13	8350	69.0	934.1	38.9	0.0	1003.0	1	
8	0	-4759	-1037	4	0	14	8328	65.5	932.4	38.8	0.0	997.9	1	
1A	72	-5361	-463	13	0	28	2786	73.7	331.3	17.3	0.0	405.0	1	
1B	72	-5361	-120	13	0	28	1257	73.7	162.1	4.5	0.0	235.8	1	
1C	72	-5361	-463	-9	0	-22	2786	73.7	326.1	17.3	0.0	399.8	1	
1D	72	-5361	-120	-9	0	-22	1257	73.7	156.9	4.5	0.0	230.6	1	
1E	72	2871	-463	13	0	28	2786	39.5	331.3	17.3	0.0	370.8	1	
1F	72	2871	-120	13	0	28	1257	39.5	162.1	4.5	0.0	201.6	1	
1G	72	2871	-463	-9	0	-22	2786	39.5	326.1	17.3	0.0	365.6	1	
1H	72	2871	-120	-9	0	-22	1257	39.5	156.9	4.5	0.0	196.4	1	
1I	72	-4526	-354	25	0	-6	2292	62.3	258.2	13.3	0.0	320.5	1	
1J	72	-4526	-228	25	0	-6	1750	62.3	198.3	8.5	0.0	260.5	1	
1K	72	-4526	-354	-21	0	12	2292	62.3	263.4	13.3	0.0	325.7	1	
1L	72	-4526	-228	-21	0	12	1750	62.3	203.5	8.5	0.0	265.7	1	
1M	72	2036	-354	25	0	-6	2292	28.0	258.2	13.3	0.0	286.2	1	
1N	72	2036	-228	25	0	-6	1750	28.0	198.3	8.5	0.0	226.3	1	
1O	72	2036	-354	-21	0	12	2292	28.0	263.4	13.3	0.0	291.4	1	
1P	72	2036	-228	-21	0	12	1750	28.0	203.5	8.5	0.0	231.5	1	
2	72	-6172	-1396	4	0	14	9676	84.9	1081.7	52.2	0.0	1166.6	1	
7	72	-5014	-1094	2	0	12	7583	69.0	848.4	40.9	0.0	917.3	1	
8	72	-4760	-1090	4	0	11	7563	65.5	845.5	40.8	0.0	911.0	1	
1A	144	-5362	-504	13	0	32	2444	73.8	296.5	18.8	0.0	370.3	1	
1B	144	-5362	-161	13	0	32	1150	73.8	153.3	6.0	0.0	227.1	1	

1C	144	-5362	-504	-9	0	-28	2444	73.8	293.6	18.8	0.0	367.4	1
1D	144	-5362	-161	-9	0	-28	1150	73.8	150.4	6.0	0.0	224.2	1
1E	144	2870	-504	13	0	32	2444	39.5	296.5	18.8	0.0	336.0	1
1F	144	2870	-161	13	0	32	1150	39.5	153.3	6.0	0.0	192.8	1
1G	144	2870	-504	-9	0	-28	2444	39.5	293.6	18.8	0.0	333.1	1
1H	144	2870	-161	-9	0	-28	1150	39.5	150.4	6.0	0.0	189.9	1
1I	144	-4527	-395	25	0	-29	2039	62.3	249.0	14.8	0.0	311.3	1
1J	144	-4527	-269	25	0	-29	1555	62.3	195.5	10.1	0.0	257.8	1
1K	144	-4527	-395	-21	0	32	2039	62.3	251.9	14.8	0.0	314.2	1
1L	144	-4527	-269	-21	0	32	1555	62.3	198.4	10.1	0.0	260.7	1
1M	144	2035	-395	25	0	-29	2039	28.0	249.0	14.8	0.0	277.0	1
1N	144	2035	-269	25	0	-29	1555	28.0	195.5	10.1	0.0	223.5	1
1O	144	2035	-395	-21	0	32	2039	28.0	251.9	14.8	0.0	279.9	1
1P	144	2035	-269	-21	0	32	1555	28.0	198.4	10.1	0.0	226.4	1
2	144	-6174	-1449	4	0	11	8653	84.9	966.2	54.2	0.0	1051.2	1
7	144	-5015	-1147	2	0	10	6778	69.0	758.4	42.9	0.0	827.4	1
8	144	-4762	-1144	4	0	8	6760	65.5	754.4	42.8	0.0	819.9	1

ASTA NUM. 128 NI 840 NF 839 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3936	-621	23	0	30	2445	54.1	295.0	23.2	0.0	349.1	1	
1B	0	-3936	-228	23	0	30	1149	54.1	151.7	8.5	0.0	205.8	1	
1C	0	-3936	-621	-16	0	-26	2445	54.1	291.8	23.2	0.0	346.0	1	
1D	0	-3936	-228	-16	0	-26	1149	54.1	148.5	8.5	0.0	202.6	1	
1E	0	2351	-621	23	0	30	2445	32.3	295.0	23.2	0.0	327.3	1	
1F	0	2351	-228	23	0	30	1149	32.3	151.7	8.5	0.0	184.0	1	
1G	0	2351	-621	-16	0	-26	2445	32.3	291.8	23.2	0.0	324.2	1	
1H	0	2351	-228	-16	0	-26	1149	32.3	148.5	8.5	0.0	180.8	1	
1I	0	-4797	-490	50	0	15	2039	66.0	237.5	18.3	0.0	303.4	1	
1J	0	-4797	-359	50	0	15	1555	66.0	183.9	13.4	0.0	249.9	1	
1K	0	-4797	-490	-44	0	-11	2039	66.0	234.3	18.3	0.0	300.2	1	
1L	0	-4797	-359	-44	0	-11	1555	66.0	180.7	13.4	0.0	246.7	1	
1M	0	3212	-490	50	0	15	2039	44.2	237.5	18.3	0.0	281.6	1	
1N	0	3212	-359	50	0	15	1555	44.2	183.9	13.4	0.0	228.1	1	
1O	0	3212	-490	-44	0	-11	2039	44.2	234.3	18.3	0.0	278.4	1	
1P	0	3212	-359	-44	0	-11	1555	44.2	180.7	13.4	0.0	224.9	1	
2	0	-4427	-2180	24	0	7	8656	60.9	963.2	81.5	0.0	1024.1	1	
7	0	-3751	-1696	22	0	6	6780	51.6	754.8	63.4	0.0	806.4	1	
8	0	-3336	-1691	18	0	6	6762	45.9	752.6	63.3	0.0	798.5	1	
1A	72	-3937	-662	23	0	33	1984	54.1	246.3	24.8	0.0	300.5	1	
1B	72	-3937	-269	23	0	33	970	54.1	134.2	10.1	0.0	188.3	1	
1C	72	-3937	-662	-16	0	-34	1984	54.1	246.9	24.8	0.0	301.1	1	
1D	72	-3937	-269	-16	0	-34	970	54.1	134.8	10.1	0.0	188.9	1	
1E	72	2350	-662	23	0	33	1984	32.3	246.3	24.8	0.0	278.7	1	
1F	72	2350	-269	23	0	33	970	32.3	134.2	10.1	0.0	166.5	1	
1G	72	2350	-662	-16	0	-34	1984	32.3	246.9	24.8	0.0	279.2	1	
1H	72	2350	-269	-16	0	-34	970	32.3	134.8	10.1	0.0	167.1	1	
1I	72	-4798	-531	50	0	-28	1673	66.0	207.5	19.9	0.0	273.5	1	
1J	72	-4798	-400	50	0	-28	1282	66.0	164.2	15.0	0.0	230.2	1	
1K	72	-4798	-531	-44	0	27	1673	66.0	206.9	19.9	0.0	272.9	1	
1L	72	-4798	-400	-44	0	27	1282	66.0	163.7	15.0	0.0	229.7	1	
1M	72	3211	-531	50	0	-28	1673	44.2	207.5	19.9	0.0	251.7	1	
1N	72	3211	-400	50	0	-28	1282	44.2	164.2	15.0	0.0	208.4	1	
1O	72	3211	-531	-44	0	27	1673	44.2	206.9	19.9	0.0	251.1	1	
1P	72	3211	-400	-44	0	27	1282	44.2	163.7	15.0	0.0	207.8	1	
2	72	-4428	-2233	24	0	-11	7070	60.9	790.8	83.5	0.0	851.7	1	
7	72	-3752	-1750	22	0	-10	5541	51.6	621.3	65.4	0.0	672.9	1	
8	72	-3337	-1744	18	0	-7	5527	45.9	617.2	65.3	0.0	663.1	1	
1A	144	-3938	-703	23	0	36	1494	54.2	194.4	26.3	0.0	248.6	1	
1B	144	-3938	-310	23	0	36	762	54.2	113.5	11.6	0.0	167.6	1	
1C	144	-3938	-703	-16	0	-41	1494	54.2	198.8	26.3	0.0	252.9	1	
1D	144	-3938	-310	-16	0	-41	762	54.2	117.8	11.6	0.0	172.0	1	
1E	144	2349	-703	23	0	36	1494	32.3	194.4	26.3	0.0	226.7	1	
1F	144	2349	-310	23	0	36	762	32.3	113.5	11.6	0.0	145.8	1	
1G	144	2349	-703	-16	0	-41	1494	32.3	198.8	26.3	0.0	231.1	1	
1H	144	2349	-310	-16	0	-41	762	32.3	117.8	11.6	0.0	150.1	1	
1I	144	-4799	-572	50	0	-70	1277	66.0	198.0	21.4	0.0	264.0	1	
1J	144	-4799	-441	50	0	-70	979	66.0	165.1	16.5	0.0	231.1	1	
1K	144	-4799	-572	-44	0	64	1277	66.0	193.7	21.4	0.0	259.7	1	
1L	144	-4799	-441	-44	0	64	979	66.0	160.7	16.5	0.0	226.7	1	
1M	144	3210	-572	50	0	-70	1277	44.1	198.0	21.4	0.0	242.2	1	
1N	144	3210	-441	50	0	-70	979	44.1	165.1	16.5	0.0	209.2	1	
1O	144	3210	-572	-44	0	64	1277	44.1	193.7	21.4	0.0	237.8	1	
1P	144	3210	-441	-44	0	64	979	44.1	160.7	16.5	0.0	204.9	1	
2	144	-4429	-2286	24	0	-28	5445	60.9	625.4	85.5	0.0	686.3	1	
7	144	-3754	-1803	22	0	-26	4264	51.6	492.9	67.4	0.0	544.6	1	
8	144	-3338	-1798	18	0	-20	4253	45.9	486.6	67.3	0.0	532.5	1	

ASTA NUM. 129 NI 839 NF 848 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				

1A	0	-1973	-828	191	0	47	1495	27.1	203.6	31.0	0.0	230.8	1
1B	0	-1973	-391	191	0	47	763	27.1	122.5	14.6	0.0	149.7	1
1C	0	-1973	-828	-202	0	-52	1495	27.1	207.7	31.0	0.0	234.9	1
1D	0	-1973	-391	-202	0	-52	763	27.1	126.6	14.6	0.0	153.8	1
1E	0	1270	-828	191	0	47	1495	17.5	203.6	31.0	0.0	221.1	1
1F	0	1270	-391	191	0	47	763	17.5	122.5	14.6	0.0	140.0	1
1G	0	1270	-828	-202	0	-52	1495	17.5	207.7	31.0	0.0	225.2	1
1H	0	1270	-391	-202	0	-52	763	17.5	126.6	14.6	0.0	144.1	1
1I	0	-4337	-695	467	0	86	1278	59.7	211.8	26.0	0.0	271.5	1
1J	0	-4337	-524	467	0	86	980	59.7	178.8	19.6	0.0	238.5	1
1K	0	-4337	-695	-478	0	-91	1278	59.7	215.9	26.0	0.0	275.6	1
1L	0	-4337	-524	-478	0	-91	980	59.7	183.0	19.6	0.0	242.6	1
1M	0	3634	-695	467	0	86	1278	50.0	211.8	26.0	0.0	261.8	1
1N	0	3634	-524	467	0	86	980	50.0	178.8	19.6	0.0	228.8	1
1O	0	3634	-695	-478	0	-91	1278	50.0	215.9	26.0	0.0	265.9	1
1P	0	3634	-524	-478	0	-91	980	50.0	183.0	19.6	0.0	232.9	1
2	0	-2622	-3066	-142	0	-33	5449	36.1	629.5	114.7	0.0	665.6	1
7	0	-2397	-2391	-145	0	-31	4267	33.0	497.4	89.4	0.0	530.4	1
8	0	-1886	-2384	-93	0	-22	4256	25.9	489.2	89.2	0.0	515.1	1
1A	72	-1974	-869	191	0	-91	886	27.2	172.5	32.5	0.0	199.6	1
1B	72	-1974	-432	191	0	-91	467	27.2	126.2	16.1	0.0	153.3	1
1C	72	-1974	-869	-202	0	94	886	27.2	174.8	32.5	0.0	202.0	1
1D	72	-1974	-432	-202	0	94	467	27.2	128.5	16.1	0.0	155.7	1
1E	72	1269	-869	191	0	-91	886	17.5	172.5	32.5	0.0	189.9	1
1F	72	1269	-432	191	0	-91	467	17.5	126.2	16.1	0.0	143.6	1
1G	72	1269	-869	-202	0	94	886	17.5	174.8	32.5	0.0	192.3	1
1H	72	1269	-432	-202	0	94	467	17.5	128.5	16.1	0.0	146.0	1
1I	72	-4338	-736	467	0	-250	764	59.7	287.9	27.5	0.0	347.6	1
1J	72	-4338	-565	467	0	-250	588	59.7	268.5	21.1	0.0	328.2	1
1K	72	-4338	-736	-478	0	252	764	59.7	290.3	27.5	0.0	350.0	1
1L	72	-4338	-565	-478	0	252	588	59.7	270.9	21.1	0.0	330.6	1
1M	72	3633	-736	467	0	-250	764	50.0	287.9	27.5	0.0	337.9	1
1N	72	3633	-565	467	0	-250	588	50.0	268.5	21.1	0.0	318.5	1
1O	72	3633	-736	-478	0	252	764	50.0	290.3	27.5	0.0	340.3	1
1P	72	3633	-565	-478	0	252	588	50.0	270.9	21.1	0.0	320.9	1
2	72	-2624	-3119	-142	0	70	3225	36.1	413.6	116.7	0.0	449.7	1
7	72	-2398	-2444	-145	0	73	2529	33.0	339.3	91.4	0.0	372.3	1
8	72	-1888	-2438	-93	0	45	2522	26.0	315.5	91.2	0.0	341.4	1
1A	144	-1975	-910	191	0	-230	246	27.2	214.4	34.0	0.0	241.6	1
1B	144	-1975	-473	191	0	-230	142	27.2	202.9	17.7	0.0	230.1	1
1C	144	-1975	-910	-202	0	241	246	27.2	223.3	34.0	0.0	250.4	1
1D	144	-1975	-473	-202	0	241	142	27.2	211.7	17.7	0.0	238.9	1
1E	144	1268	-910	191	0	-230	246	17.4	214.4	34.0	0.0	231.9	1
1F	144	1268	-473	191	0	-230	142	17.4	202.9	17.7	0.0	220.3	1
1G	144	1268	-910	-202	0	241	246	17.4	223.3	34.0	0.0	240.7	1
1H	144	1268	-473	-202	0	241	142	17.4	211.7	17.7	0.0	229.2	1
1I	144	-4339	-777	467	0	-586	220	59.7	501.7	29.1	0.0	561.3	1
1J	144	-4339	-606	467	0	-586	168	59.7	495.8	22.7	0.0	555.5	1
1K	144	-4339	-777	-478	0	596	220	59.7	510.5	29.1	0.0	570.2	1
1L	144	-4339	-606	-478	0	596	168	59.7	504.6	22.7	0.0	564.3	1
1M	144	3632	-777	467	0	-586	220	50.0	501.7	29.1	0.0	551.6	1
1N	144	3632	-606	467	0	-586	168	50.0	495.8	22.7	0.0	545.8	1
1O	144	3632	-777	-478	0	596	220	50.0	510.5	29.1	0.0	560.4	1
1P	144	3632	-606	-478	0	596	168	50.0	504.6	22.7	0.0	554.6	1
2	144	-2625	-3172	-142	0	172	963	36.1	246.8	118.6	0.0	282.9	1
7	144	-2399	-2497	-145	0	177	752	33.0	227.6	93.4	0.0	260.6	1
8	144	-1889	-2491	-93	0	112	750	26.0	174.1	93.2	0.0	200.1	1

ASTA NUM. 130 NI 848 NF 410 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1917	-1036	1080	0	234	248	26.4	218.1	38.8	0.0	244.5	1	
1B	0	-1917	-587	1080	0	234	143	26.4	206.4	37.5	0.0	232.8	1	
1C	0	-1917	-1036	-995	0	-223	248	26.4	208.9	38.8	0.0	235.3	1	
1D	0	-1917	-587	-995	0	-223	143	26.4	197.3	34.6	0.0	223.6	1	
1E	0	1629	-1036	1080	0	234	248	22.4	218.1	38.8	0.0	240.5	1	
1F	0	1629	-587	1080	0	234	143	22.4	206.4	37.5	0.0	228.8	1	
1G	0	1629	-1036	-995	0	-223	248	22.4	208.9	38.8	0.0	231.3	1	
1H	0	1629	-587	-995	0	-223	143	22.4	197.3	34.6	0.0	219.7	1	
1I	0	-4171	-904	810	0	585	221	57.4	501.2	33.8	0.0	558.6	1	
1J	0	-4171	-719	810	0	585	169	57.4	495.4	28.1	0.0	552.8	1	
1K	0	-4171	-904	-724	0	-574	221	57.4	492.1	33.8	0.0	549.5	1	
1L	0	-4171	-719	-724	0	-574	169	57.4	486.3	26.9	0.0	543.7	1	
1M	0	3883	-904	810	0	585	221	53.4	501.2	33.8	0.0	554.7	1	
1N	0	3883	-719	810	0	585	169	53.4	495.4	28.1	0.0	548.9	1	
1O	0	3883	-904	-724	0	-574	221	53.4	492.1	33.8	0.0	545.5	1	
1P	0	3883	-719	-724	0	-574	169	53.4	486.3	26.9	0.0	539.7	1	
2	0	-1721	-4039	332	0	170	969	23.7	246.0	151.1	0.0	269.6	1	
7	0	-1695	-3151	285	0	175	757	23.3	226.2	117.9	0.0	249.5	1	
8	0	-1172	-3145	245	0	111	755	16.1	173.8	117.6	0.0	204.8	4	
1A	12	-1917	-1044	1080	0	317	117	26.4	270.9	39.0	0.0	297.2	1	
1B	12	-1917	-595	1080	0	317	70	26.4	265.7	37.5	0.0	292.1	1	
1C	12	-1917	-1044	-995	0	-316	117	26.4	270.4	39.0	0.0	296.8	1	
1D	12	-1917	-595	-995	0	-316	70	26.4	265.2	34.6	0.0	291.6	1	
1E	12	1629	-1044	1080	0	317	117	22.4	270.9	39.0	0.0	293.3	1	

1F	12	1629	-595	1080	0	317	70	22.4	265.7	37.5	0.0	288.1	1
1G	12	1629	-1044	-995	0	-316	117	22.4	270.4	39.0	0.0	292.8	1
1H	12	1629	-595	-995	0	-316	70	22.4	265.2	34.6	0.0	287.6	1
1I	12	-4171	-912	810	0	553	109	57.4	462.8	34.1	0.0	520.1	1
1J	12	-4171	-726	810	0	553	77	57.4	459.2	28.1	0.0	516.6	1
1K	12	-4171	-912	-724	0	-552	109	57.4	462.3	34.1	0.0	519.7	1
1L	12	-4171	-726	-724	0	-552	77	57.4	458.7	27.2	0.0	516.1	1
1M	12	3883	-912	810	0	553	109	53.4	462.8	34.1	0.0	516.2	1
1N	12	3883	-726	810	0	553	77	53.4	459.2	28.1	0.0	512.6	1
1O	12	3883	-912	-724	0	-552	109	53.4	462.3	34.1	0.0	515.7	1
1P	12	3883	-726	-724	0	-552	77	53.4	458.7	27.2	0.0	512.1	1
2	12	-1721	-4048	332	0	129	464	23.7	156.2	151.4	0.0	263.8	4
7	12	-1695	-3160	285	0	139	363	23.3	153.6	118.2	0.0	206.8	4
8	12	-1172	-3154	245	0	80	361	16.1	105.3	118.0	0.0	205.2	4
1A	25	-1917	-1051	1080	0	399	-16	26.4	327.0	39.3	0.0	353.3	1
1B	25	-1917	-602	1080	0	399	-3	26.4	325.6	37.5	0.0	352.0	1
1C	25	-1917	-1051	-995	0	-409	-16	26.4	335.2	39.3	0.0	361.6	1
1D	25	-1917	-602	-995	0	-409	-3	26.4	333.8	34.6	0.0	360.2	1
1E	25	1629	-1051	1080	0	399	-16	22.4	327.0	39.3	0.0	349.4	1
1F	25	1629	-602	1080	0	399	-3	22.4	325.6	37.5	0.0	348.0	1
1G	25	1629	-1051	-995	0	-409	-16	22.4	335.2	39.3	0.0	357.6	1
1H	25	1629	-602	-995	0	-409	-3	22.4	333.8	34.6	0.0	356.3	1
1I	25	-4171	-919	810	0	521	-3	57.4	424.9	34.4	0.0	482.3	1
1J	25	-4171	-734	810	0	521	-16	57.4	426.3	28.1	0.0	483.7	1
1K	25	-4171	-919	-724	0	-531	-3	57.4	433.2	34.4	0.0	490.5	1
1L	25	-4171	-734	-724	0	-531	-16	57.4	434.5	27.4	0.0	491.9	1
1M	25	3883	-919	810	0	521	-3	53.4	424.9	34.4	0.0	478.4	1
1N	25	3883	-734	810	0	521	-16	53.4	426.3	28.1	0.0	479.7	1
1O	25	3883	-919	-724	0	-531	-3	53.4	433.2	34.4	0.0	486.6	1
1P	25	3883	-734	-724	0	-531	-16	53.4	434.5	27.4	0.0	487.9	1
2	25	-1721	-4058	332	0	87	-43	23.7	75.7	151.8	0.0	264.3	4
7	25	-1695	-3170	285	0	104	-33	23.3	88.1	118.6	0.0	207.2	4
8	25	-1173	-3163	245	0	50	-33	16.1	44.1	118.3	0.0	205.7	4

ASTA NUM. 131 NI 847 NF 844 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2312	476	174	0	212	244	31.8	200.1	17.8	0.0	231.9	1	
1B	0	-2312	906	174	0	212	144	31.8	189.1	33.9	0.0	220.9	1	
1C	0	-2312	476	-168	0	-208	244	31.8	196.3	17.8	0.0	228.1	1	
1D	0	-2312	906	-168	0	-208	144	31.8	185.2	33.9	0.0	217.0	1	
1E	0	1745	476	174	0	212	244	24.0	200.1	17.8	0.0	224.1	1	
1F	0	1745	906	174	0	212	144	24.0	189.1	33.9	0.0	213.1	1	
1G	0	1745	476	-168	0	-208	244	24.0	196.3	17.8	0.0	220.3	1	
1H	0	1745	906	-168	0	-208	144	24.0	185.2	33.9	0.0	209.2	1	
1I	0	-4337	602	468	0	585	221	59.7	500.8	22.5	0.0	560.5	1	
1J	0	-4337	780	468	0	585	167	59.7	494.9	29.2	0.0	554.5	1	
1K	0	-4337	602	-462	0	-580	221	59.7	497.0	22.5	0.0	556.6	1	
1L	0	-4337	780	-462	0	-580	167	59.7	491.0	29.2	0.0	550.7	1	
1M	0	3769	602	468	0	585	221	51.8	500.8	22.5	0.0	552.7	1	
1N	0	3769	780	468	0	585	167	51.8	494.9	29.2	0.0	546.7	1	
1O	0	3769	602	-462	0	-580	221	51.8	497.0	22.5	0.0	548.8	1	
1P	0	3769	780	-462	0	-580	167	51.8	491.0	29.2	0.0	542.9	1	
2	0	-139	3157	-99	0	-133	955	1.9	213.8	118.1	0.0	215.7	1	
7	0	248	2483	-112	0	-148	744	3.4	203.0	92.9	0.0	206.4	1	
8	0	-294	2479	-60	0	-81	744	4.0	148.6	92.7	0.0	160.8	4	
1A	72	-2312	435	174	0	85	881	31.8	166.5	16.3	0.0	198.3	1	
1B	72	-2312	865	174	0	85	472	31.8	121.2	32.4	0.0	153.0	1	
1C	72	-2312	435	-168	0	-84	881	31.8	165.9	16.3	0.0	197.7	1	
1D	72	-2312	865	-168	0	-84	472	31.8	120.7	32.4	0.0	152.5	1	
1E	72	1746	435	174	0	85	881	24.0	166.5	16.3	0.0	190.5	1	
1F	72	1746	865	174	0	85	472	24.0	121.2	32.4	0.0	145.2	1	
1G	72	1746	435	-168	0	-84	881	24.0	165.9	16.3	0.0	190.0	1	
1H	72	1746	865	-168	0	-84	472	24.0	120.7	32.4	0.0	144.7	1	
1I	72	-4336	561	468	0	247	767	59.6	286.2	21.0	0.0	345.9	1	
1J	72	-4336	739	468	0	247	586	59.6	266.2	27.6	0.0	325.8	1	
1K	72	-4336	561	-462	0	-246	767	59.6	285.7	21.0	0.0	345.3	1	
1L	72	-4336	739	-462	0	-246	586	59.6	265.7	27.6	0.0	325.3	1	
1M	72	3770	561	468	0	247	767	51.9	286.2	21.0	0.0	338.1	1	
1N	72	3770	739	468	0	247	586	51.9	266.2	27.6	0.0	318.0	1	
1O	72	3770	561	-462	0	-246	767	51.9	285.7	21.0	0.0	337.6	1	
1P	72	3770	739	-462	0	-246	586	51.9	265.7	27.6	0.0	317.5	1	
2	72	-138	3104	-99	0	-62	3205	1.9	404.9	116.1	0.0	406.8	1	
7	72	249	2430	-112	0	-67	2510	3.4	332.4	90.9	0.0	335.9	1	
8	72	-293	2426	-60	0	-39	2506	4.0	308.7	90.7	0.0	312.7	1	
1A	144	-2310	394	174	0	-43	1488	31.8	199.7	14.7	0.0	231.5	1	
1B	144	-2310	824	174	0	-43	770	31.8	120.3	30.8	0.0	152.1	1	
1C	144	-2310	394	-168	0	40	1488	31.8	196.9	14.7	0.0	228.7	1	
1D	144	-2310	824	-168	0	40	770	31.8	117.5	30.8	0.0	149.3	1	
1E	144	1747	394	174	0	-43	1488	24.0	199.7	14.7	0.0	223.8	1	
1F	144	1747	824	174	0	-43	770	24.0	120.3	30.8	0.0	144.3	1	
1G	144	1747	394	-168	0	40	1488	24.0	196.9	14.7	0.0	221.0	1	
1H	144	1747	824	-168	0	40	770	24.0	117.5	30.8	0.0	141.5	1	
1I	144	-4335	520	468	0	-90	1283	59.6	215.6	19.5	0.0	275.2	1	
1J	144	-4335	698	468	0	-90	975	59.6	181.4	26.1	0.0	241.0	1	
1K	144	-4335	520	-462	0	87	1283	59.6	212.8	19.5	0.0	272.4	1	
1L	144	-4335	698	-462	0	87	975	59.6	178.6	26.1	0.0	238.2	1	

1M	144	3771	520	468	0	-90	1283	51.9	215.6	19.5	0.0	267.5	1
1N	144	3771	698	468	0	-90	975	51.9	181.4	26.1	0.0	233.3	1
1O	144	3771	520	-462	0	87	1283	51.9	212.8	19.5	0.0	264.7	1
1P	144	3771	698	-462	0	87	975	51.9	178.6	26.1	0.0	230.5	1
2	144	-136	3050	-99	0	9	5417	1.9	606.9	114.1	0.0	608.8	1
7	144	250	2376	-112	0	14	4238	3.4	480.1	88.9	0.0	483.5	1
8	144	-291	2372	-60	0	4	4231	4.0	471.7	88.7	0.0	475.7	1

ASTA NUM. 132 NI 844 NF 843 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4163	310	20	0	30	1486	57.3	189.0	11.6	0.0	246.3	1	
1B	0	-4163	703	20	0	30	770	57.3	109.8	26.3	0.0	167.0	1	
1C	0	-4163	310	-26	0	-34	1486	57.3	192.4	11.6	0.0	249.7	1	
1D	0	-4163	703	-26	0	-34	770	57.3	113.1	26.3	0.0	170.4	1	
1E	0	2655	310	20	0	30	1486	36.5	189.0	11.6	0.0	225.6	1	
1F	0	2655	703	20	0	30	770	36.5	109.8	26.3	0.0	146.3	1	
1G	0	2655	310	-26	0	-34	1486	36.5	192.4	11.6	0.0	228.9	1	
1H	0	2655	703	-26	0	-34	770	36.5	113.1	26.3	0.0	149.6	1	
1I	0	-4640	437	45	0	65	1282	63.8	194.7	16.3	0.0	258.5	1	
1J	0	-4640	576	45	0	65	974	63.8	160.6	21.5	0.0	224.4	1	
1K	0	-4640	437	-51	0	-69	1282	63.8	198.1	16.3	0.0	261.9	1	
1L	0	-4640	576	-51	0	-69	974	63.8	163.9	21.5	0.0	227.8	1	
1M	0	3132	437	45	0	65	1282	43.1	194.7	16.3	0.0	237.8	1	
1N	0	3132	576	45	0	65	974	43.1	160.6	21.5	0.0	203.7	1	
1O	0	3132	437	-51	0	-69	1282	43.1	198.1	16.3	0.0	241.2	1	
1P	0	3132	576	-51	0	-69	974	43.1	163.9	21.5	0.0	207.0	1	
2	0	-2409	2281	-3	0	3	5413	33.1	601.1	85.3	0.0	634.2	1	
7	0	-1599	1798	1	0	7	4235	22.0	474.2	67.3	0.0	496.2	1	
8	0	-2051	1794	-4	0	0	4228	28.2	467.8	67.1	0.0	496.0	1	
1A	72	-4162	269	20	0	3	1976	57.3	221.1	10.1	0.0	278.3	1	
1B	72	-4162	662	20	0	3	978	57.3	110.6	24.7	0.0	167.9	1	
1C	72	-4162	269	-26	0	-3	1976	57.3	221.1	10.1	0.0	278.3	1	
1D	72	-4162	662	-26	0	-3	978	57.3	110.6	24.7	0.0	167.9	1	
1E	72	2656	269	20	0	3	1976	36.5	221.1	10.1	0.0	257.6	1	
1F	72	2656	662	20	0	3	978	36.5	110.6	24.7	0.0	147.2	1	
1G	72	2656	269	-26	0	-3	1976	36.5	221.1	10.1	0.0	257.6	1	
1H	72	2656	662	-26	0	-3	978	36.5	110.6	24.7	0.0	147.2	1	
1I	72	-4640	396	45	0	29	1681	63.8	209.3	14.8	0.0	273.1	1	
1J	72	-4640	535	45	0	29	1273	63.8	164.2	20.0	0.0	228.0	1	
1K	72	-4640	396	-51	0	-29	1681	63.8	209.3	14.8	0.0	273.1	1	
1L	72	-4640	535	-51	0	-29	1273	63.8	164.2	20.0	0.0	228.0	1	
1M	72	3134	396	45	0	29	1681	43.1	209.3	14.8	0.0	252.4	1	
1N	72	3134	535	45	0	29	1273	43.1	164.2	20.0	0.0	207.3	1	
1O	72	3134	396	-51	0	-29	1681	43.1	209.3	14.8	0.0	252.4	1	
1P	72	3134	535	-51	0	-29	1273	43.1	164.2	20.0	0.0	207.3	1	
2	72	-2408	2228	-3	0	5	7034	33.1	781.9	83.3	0.0	815.0	1	
7	72	-1598	1745	1	0	6	5509	22.0	614.4	65.3	0.0	636.4	1	
8	72	-2050	1740	-4	0	3	5499	28.2	610.5	65.1	0.0	638.7	1	
1A	144	-4161	228	20	0	-24	2437	57.2	289.4	8.5	0.0	346.6	1	
1B	144	-4161	621	20	0	-24	1157	57.2	147.8	23.2	0.0	205.0	1	
1C	144	-4161	228	-26	0	28	2437	57.2	292.8	8.5	0.0	350.0	1	
1D	144	-4161	621	-26	0	28	1157	57.2	151.2	23.2	0.0	208.4	1	
1E	144	2657	228	20	0	-24	2437	36.5	289.4	8.5	0.0	325.9	1	
1F	144	2657	621	20	0	-24	1157	36.5	147.8	23.2	0.0	184.3	1	
1G	144	2657	228	-26	0	28	2437	36.5	292.8	8.5	0.0	329.3	1	
1H	144	2657	621	-26	0	28	1157	36.5	151.2	23.2	0.0	187.7	1	
1I	144	-4638	355	45	0	-8	2051	63.8	233.1	13.3	0.0	296.9	1	
1J	144	-4638	494	45	0	-8	1543	63.8	177.0	18.5	0.0	240.8	1	
1K	144	-4638	355	-51	0	12	2051	63.8	236.5	13.3	0.0	300.3	1	
1L	144	-4638	494	-51	0	12	1543	63.8	180.4	18.5	0.0	244.2	1	
1M	144	3134	355	45	0	-8	2051	43.1	233.1	13.3	0.0	276.2	1	
1N	144	3134	494	45	0	-8	1543	43.1	177.0	18.5	0.0	220.1	1	
1O	144	3134	355	-51	0	12	2051	43.1	236.5	13.3	0.0	279.6	1	
1P	144	3134	494	-51	0	12	1543	43.1	180.4	18.5	0.0	223.5	1	
2	144	-2407	2174	-3	0	6	8616	33.1	958.5	81.3	0.0	991.6	1	
7	144	-1597	1692	1	0	5	6744	22.0	750.5	63.3	0.0	772.4	1	
8	144	-2049	1687	-4	0	5	6731	28.2	749.0	63.1	0.0	777.2	1	

ASTA NUM. 133 NI 843 NF 842 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5430	161	10	0	32	2436	74.7	295.8	6.0	0.0	370.5	1	
1B	0	-5430	504	10	0	32	1158	74.7	154.3	18.8	0.0	229.0	1	
1C	0	-5430	161	-14	0	-29	2436	74.7	292.9	6.0	0.0	367.6	1	
1D	0	-5430	504	-14	0	-29	1158	74.7	151.4	18.8	0.0	226.1	1	
1E	0	2982	161	10	0	32	2436	41.0	295.8	6.0	0.0	336.8	1	
1F	0	2982	504	10	0	32	1158	41.0	154.3	18.8	0.0	195.3	1	
1G	0	2982	161	-14	0	-29	2436	41.0	292.9	6.0	0.0	333.9	1	
1H	0	2982	504	-14	0	-29	1158	41.0	151.4	18.8	0.0	192.5	1	

1I	0	-4252	274	21	0	30	2050	58.5	251.6	10.3	0.0	310.1	1
1J	0	-4252	391	21	0	30	1544	58.5	195.5	14.6	0.0	254.0	1
1K	0	-4252	274	-25	0	-27	2050	58.5	248.7	10.3	0.0	307.2	1
1L	0	-4252	391	-25	0	-27	1544	58.5	192.7	14.6	0.0	251.1	1
1M	0	1804	274	21	0	30	2050	24.8	251.6	10.3	0.0	276.4	1
1N	0	1804	391	21	0	30	1544	24.8	195.5	14.6	0.0	220.3	1
1O	0	1804	274	-25	0	-27	2050	24.8	248.7	10.3	0.0	273.5	1
1P	0	1804	391	-25	0	-27	1544	24.8	192.7	14.6	0.0	217.5	1
2	0	-4897	1456	-15	0	0	8614	67.4	953.0	54.5	0.0	1020.4	1
7	0	-3653	1153	-13	0	-1	6742	50.2	746.9	43.1	0.0	797.1	1
8	0	-3951	1149	-11	0	1	6729	54.3	745.3	43.0	0.0	799.7	1
1A	72	-5429	120	10	0	28	2780	74.7	330.2	4.5	0.0	404.9	1
1B	72	-5429	463	10	0	28	1262	74.7	162.3	17.3	0.0	237.0	1
1C	72	-5429	120	-14	0	-21	2780	74.7	325.0	4.5	0.0	399.6	1
1D	72	-5429	463	-14	0	-21	1262	74.7	157.0	17.3	0.0	231.7	1
1E	72	2983	120	10	0	28	2780	41.0	330.2	4.5	0.0	371.3	1
1F	72	2983	463	10	0	28	1262	41.0	162.3	17.3	0.0	203.3	1
1G	72	2983	120	-14	0	-21	2780	41.0	325.0	4.5	0.0	366.0	1
1H	72	2983	463	-14	0	-21	1262	41.0	157.0	17.3	0.0	198.0	1
1I	72	-4251	233	21	0	11	2307	58.5	263.9	8.7	0.0	322.4	1
1J	72	-4251	350	21	0	11	1735	58.5	200.7	13.1	0.0	259.2	1
1K	72	-4251	233	-25	0	-4	2307	58.5	258.6	8.7	0.0	317.1	1
1L	72	-4251	350	-25	0	-4	1735	58.5	195.4	13.1	0.0	253.9	1
1M	72	1805	233	21	0	11	2307	24.8	263.9	8.7	0.0	288.7	1
1N	72	1805	350	21	0	11	1735	24.8	200.7	13.1	0.0	225.5	1
1O	72	1805	233	-25	0	-4	2307	24.8	258.6	8.7	0.0	283.5	1
1P	72	1805	350	-25	0	-4	1735	24.8	195.4	13.1	0.0	220.2	1
2	72	-4896	1402	-15	0	11	9641	67.3	1075.3	52.5	0.0	1142.7	1
7	72	-3652	1100	-13	0	8	7552	50.2	842.2	41.1	0.0	892.4	1
8	72	-3950	1096	-11	0	9	7536	54.3	840.9	41.0	0.0	895.2	1
1A	144	-5428	79	10	0	23	3095	74.7	361.4	3.0	0.0	436.1	1
1B	144	-5428	422	10	0	23	1337	74.7	167.0	15.8	0.0	241.7	1
1C	144	-5428	79	-14	0	-14	3095	74.7	353.7	3.0	0.0	428.4	1
1D	144	-5428	422	-14	0	-14	1337	74.7	159.3	15.8	0.0	234.0	1
1E	144	2984	79	10	0	23	3095	41.0	361.4	3.0	0.0	402.5	1
1F	144	2984	422	10	0	23	1337	41.0	167.0	15.8	0.0	208.0	1
1G	144	2984	79	-14	0	-14	3095	41.0	353.7	3.0	0.0	394.8	1
1H	144	2984	422	-14	0	-14	1337	41.0	159.3	15.8	0.0	200.4	1
1I	144	-4250	192	21	0	-9	2534	58.5	287.7	7.2	0.0	346.2	1
1J	144	-4250	309	21	0	-9	1898	58.5	217.3	11.5	0.0	275.8	1
1K	144	-4250	192	-25	0	18	2534	58.5	295.4	7.2	0.0	353.9	1
1L	144	-4250	309	-25	0	18	1898	58.5	225.0	11.5	0.0	283.5	1
1M	144	1806	192	21	0	-9	2534	24.8	287.7	7.2	0.0	312.6	1
1N	144	1806	309	21	0	-9	1898	24.8	217.3	11.5	0.0	242.2	1
1O	144	1806	192	-25	0	18	2534	24.8	295.4	7.2	0.0	320.3	1
1P	144	1806	309	-25	0	18	1898	24.8	225.0	11.5	0.0	249.9	1
2	144	-4895	1349	-15	0	21	10630	67.3	1193.4	50.5	0.0	1260.7	1
7	144	-3650	1046	-13	0	18	8323	50.2	935.2	39.1	0.0	985.4	1
8	144	-3948	1042	-11	0	17	8304	54.3	932.2	39.0	0.0	986.5	1

ASTA NUM. 134 NI 842 NF 846 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6244	16	23	0	23	3094	85.9	360.8	0.8	0.0	446.7	1	
1B	0	-6244	311	23	0	23	1338	85.9	166.5	11.6	0.0	252.4	1	
1C	0	-6244	16	-19	0	-14	3094	85.9	353.5	0.7	0.0	439.4	1	
1D	0	-6244	311	-19	0	-14	1338	85.9	159.2	11.6	0.0	245.1	1	
1E	0	2964	16	23	0	23	3094	40.8	360.8	0.8	0.0	401.6	1	
1F	0	2964	311	23	0	23	1338	40.8	166.5	11.6	0.0	207.3	1	
1G	0	2964	16	-19	0	-14	3094	40.8	353.5	0.7	0.0	394.3	1	
1H	0	2964	311	-19	0	-14	1338	40.8	159.2	11.6	0.0	200.0	1	
1I	0	-3819	101	21	0	20	2534	52.5	296.5	3.8	0.0	349.0	1	
1J	0	-3819	226	21	0	20	1898	52.5	226.1	8.4	0.0	278.7	1	
1K	0	-3819	101	-17	0	-11	2534	52.5	289.2	3.8	0.0	341.7	1	
1L	0	-3819	226	-17	0	-11	1898	52.5	218.8	8.4	0.0	271.4	1	
1M	0	539	101	21	0	20	2534	7.4	296.5	3.8	0.0	303.9	1	
1N	0	539	226	21	0	20	1898	7.4	226.1	8.4	0.0	233.5	1	
1O	0	539	101	-17	0	-11	2534	7.4	289.2	3.8	0.0	296.6	1	
1P	0	539	226	-17	0	-11	1898	7.4	218.8	8.4	0.0	226.2	1	
2	0	-7158	652	1	0	15	10630	98.5	1188.4	24.4	0.0	1286.9	1	
7	0	-5509	524	-0	0	11	8323	75.8	930.1	19.6	0.0	1005.8	1	
8	0	-5673	520	2	0	13	8303	78.0	928.9	19.5	0.0	1006.9	1	
1A	72	-6243	-25	23	0	33	3292	85.9	390.7	0.9	0.0	476.6	1	
1B	72	-6243	270	23	0	33	1346	85.9	175.4	10.1	0.0	261.3	1	
1C	72	-6243	-25	-19	0	-26	3292	85.9	385.6	0.9	0.0	471.5	1	
1D	72	-6243	270	-19	0	-26	1346	85.9	170.3	10.1	0.0	256.2	1	
1E	72	2965	-25	23	0	33	3292	40.8	390.7	0.9	0.0	431.5	1	
1F	72	2965	270	23	0	33	1346	40.8	175.4	10.1	0.0	216.2	1	
1G	72	2965	-25	-19	0	-26	3292	40.8	385.6	0.9	0.0	426.4	1	
1H	72	2965	270	-19	0	-26	1346	40.8	170.3	10.1	0.0	211.1	1	
1I	72	-3818	60	21	0	0	2654	52.5	294.0	2.2	0.0	346.5	1	
1J	72	-3818	185	21	0	0	1983	52.5	219.7	6.9	0.0	272.2	1	
1K	72	-3818	60	-17	0	6	2654	52.5	298.5	2.2	0.0	351.0	1	
1L	72	-3818	185	-17	0	6	1983	52.5	224.2	6.9	0.0	276.7	1	
1M	72	540	60	21	0	0	2654	7.4	294.0	2.2	0.0	301.4	1	
1N	72	540	185	21	0	0	1983	7.4	219.7	6.9	0.0	227.1	1	
1O	72	540	60	-17	0	6	2654	7.4	298.5	2.2	0.0	305.9	1	

1P	72	540	185	-17	0	6	1983	7.4	224.2	6.9	0.0	231.6	1
2	72	-7156	598	1	0	15	11079	98.4	1237.6	22.4	0.0	1336.0	1
7	72	-5508	470	-0	0	11	8680	75.8	969.6	17.6	0.0	1045.4	1
8	72	-5672	467	2	0	11	8658	78.0	967.2	17.5	0.0	1045.2	1
1A	144	-6242	-66	23	0	42	3460	85.9	417.4	2.5	0.0	503.2	1
1B	144	-6242	229	23	0	42	1324	85.9	181.1	8.6	0.0	266.9	1
1C	144	-6242	-66	-19	0	-39	3460	85.9	414.4	2.5	0.0	500.3	1
1D	144	-6242	229	-19	0	-39	1324	85.9	178.1	8.6	0.0	264.0	1
1E	144	2966	-66	23	0	42	3460	40.8	417.4	2.5	0.0	458.2	1
1F	144	2966	229	23	0	42	1324	40.8	181.1	8.6	0.0	221.9	1
1G	144	2966	-66	-19	0	-39	3460	40.8	414.4	2.5	0.0	455.2	1
1H	144	2966	229	-19	0	-39	1324	40.8	178.1	8.6	0.0	218.9	1
1I	144	-3817	19	21	0	-19	2746	52.5	319.3	0.7	0.0	371.8	1
1J	144	-3817	144	21	0	-19	2038	52.5	241.1	5.4	0.0	293.6	1
1K	144	-3817	19	-17	0	23	2746	52.5	322.2	0.7	0.0	374.7	1
1L	144	-3817	144	-17	0	23	2038	52.5	244.0	5.4	0.0	296.5	1
1M	144	541	19	21	0	-19	2746	7.4	319.3	0.7	0.0	326.7	1
1N	144	541	144	21	0	-19	2038	7.4	241.1	5.4	0.0	248.5	1
1O	144	541	19	-17	0	23	2746	7.4	322.2	0.7	0.0	329.7	1
1P	144	541	144	-17	0	23	2038	7.4	244.0	5.4	0.0	251.4	1
2	144	-7155	545	1	0	14	11490	98.4	1282.5	20.4	0.0	1380.9	1
7	144	-5506	417	-0	0	11	8999	75.7	1005.0	15.6	0.0	1080.7	1
8	144	-5670	414	2	0	10	8975	78.0	1001.3	15.5	0.0	1079.3	1

ASTA NUM. 135 NI 846 NF 723 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6508	-132	20	0	42	3460	89.5	417.4	4.9	0.0	506.9	1	
1B	0	-6508	125	20	0	42	1324	89.5	181.1	4.7	0.0	270.6	1	
1C	0	-6508	-132	-20	0	-39	3460	89.5	414.7	4.9	0.0	504.2	1	
1D	0	-6508	125	-20	0	-39	1324	89.5	178.4	4.7	0.0	267.9	1	
1E	0	2828	-132	20	0	42	3460	38.9	417.4	4.9	0.0	456.3	1	
1F	0	2828	125	20	0	42	1324	38.9	181.1	4.7	0.0	220.0	1	
1G	0	2828	-132	-20	0	-39	3460	38.9	414.7	4.9	0.0	453.6	1	
1H	0	2828	125	-20	0	-39	1324	38.9	178.4	4.7	0.0	217.3	1	
1I	0	-3449	-57	20	0	23	2745	47.4	322.7	2.1	0.0	370.2	1	
1J	0	-3449	49	20	0	23	2039	47.4	244.6	1.8	0.0	292.0	1	
1K	0	-3449	-57	-20	0	-20	2745	47.4	320.0	2.1	0.0	367.5	1	
1L	0	-3449	49	-20	0	-20	2039	47.4	241.8	1.8	0.0	289.3	1	
1M	0	-231	-57	20	0	23	2745	3.2	322.7	2.1	0.0	325.9	1	
1N	0	-231	49	20	0	23	2039	3.2	244.6	1.8	0.0	247.7	1	
1O	0	-231	-57	-20	0	-20	2745	3.2	320.0	2.1	0.0	323.2	1	
1P	0	-231	49	-20	0	-20	2039	3.2	241.8	1.8	0.0	245.0	1	
2	0	-8413	-151	-4	0	8	11490	115.7	1277.9	5.6	0.0	1393.6	1	
7	0	-6580	-106	-5	0	6	8999	90.5	1000.2	4.0	0.0	1090.7	1	
8	0	-6607	-106	-3	0	7	8975	90.9	998.3	4.0	0.0	1089.2	1	
1A	37	-6507	-153	20	0	47	3495	89.5	424.7	5.7	0.0	514.2	1	
1B	37	-6507	103	20	0	47	1278	89.5	179.5	3.9	0.0	269.0	1	
1C	37	-6507	-153	-20	0	-43	3495	89.5	422.0	5.7	0.0	511.5	1	
1D	37	-6507	103	-20	0	-43	1278	89.5	176.8	3.9	0.0	266.3	1	
1E	37	2828	-153	20	0	47	3495	38.9	424.7	5.7	0.0	463.6	1	
1F	37	2828	103	20	0	47	1278	38.9	179.5	3.9	0.0	218.4	1	
1G	37	2828	-153	-20	0	-43	3495	38.9	422.0	5.7	0.0	460.9	1	
1H	37	2828	103	-20	0	-43	1278	38.9	176.8	3.9	0.0	215.7	1	
1I	37	-3448	-78	20	0	21	2750	47.4	321.2	2.9	0.0	368.6	1	
1J	37	-3448	28	20	0	21	2023	47.4	240.8	1.0	0.0	288.2	1	
1K	37	-3448	-78	-20	0	-17	2750	47.4	318.5	2.9	0.0	365.9	1	
1L	37	-3448	28	-20	0	-17	2023	47.4	238.0	1.0	0.0	285.5	1	
1M	37	-231	-78	20	0	21	2750	3.2	321.2	2.9	0.0	324.4	1	
1N	37	-231	28	20	0	21	2023	3.2	240.8	1.0	0.0	243.9	1	
1O	37	-231	-78	-20	0	-17	2750	3.2	318.5	2.9	0.0	321.6	1	
1P	37	-231	28	-20	0	-17	2023	3.2	238.0	1.0	0.0	241.2	1	
2	37	-8412	-179	-4	0	10	11430	115.7	1272.6	6.7	0.0	1388.3	1	
7	37	-6579	-134	-5	0	7	8954	90.5	996.6	5.0	0.0	1087.1	1	
8	37	-6606	-134	-3	0	8	8930	90.9	994.2	5.0	0.0	1085.0	1	
1A	75	-6507	-175	20	0	51	3522	89.5	431.1	6.5	0.0	520.6	1	
1B	75	-6507	82	20	0	51	1224	89.5	177.0	3.1	0.0	266.5	1	
1C	75	-6507	-175	-20	0	-48	3522	89.5	428.4	6.5	0.0	517.9	1	
1D	75	-6507	82	-20	0	-48	1224	89.5	174.2	3.1	0.0	263.7	1	
1E	75	2829	-175	20	0	51	3522	38.9	431.1	6.5	0.0	470.0	1	
1F	75	2829	82	20	0	51	1224	38.9	177.0	3.1	0.0	215.9	1	
1G	75	2829	-175	-20	0	-48	3522	38.9	428.4	6.5	0.0	467.3	1	
1H	75	2829	82	-20	0	-48	1224	38.9	174.2	3.1	0.0	213.1	1	
1I	75	-3448	-99	20	0	18	2747	47.4	318.8	3.7	0.0	366.2	1	
1J	75	-3448	7	20	0	18	1999	47.4	236.1	0.7	0.0	283.5	1	
1K	75	-3448	-99	-20	0	-15	2747	47.4	316.0	3.7	0.0	363.4	1	
1L	75	-3448	7	-20	0	-15	1999	47.4	233.4	0.7	0.0	280.8	1	
1M	75	-230	-99	20	0	18	2747	3.2	318.8	3.7	0.0	321.9	1	
1N	75	-230	7	20	0	18	1999	3.2	236.1	0.7	0.0	239.3	1	
1O	75	-230	-99	-20	0	-15	2747	3.2	316.0	3.7	0.0	319.2	1	
1P	75	-230	7	-20	0	-15	1999	3.2	233.4	0.7	0.0	236.5	1	
2	75	-8411	-207	-4	0	11	11360	115.7	1266.2	7.7	0.0	1381.9	1	
7	75	-6578	-162	-5	0	9	8899	90.5	991.9	6.0	0.0	1082.4	1	
8	75	-6605	-162	-3	0	9	8874	90.9	988.8	6.1	0.0	1079.7	1	

ASTA NUM. 136 NI 857 NF 854 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2011	773	100	0	132	-1005	27.7	218.5	28.9	0.0	246.1	1	
1B	0	-2011	1086	100	0	132	-2035	27.7	332.5	40.6	0.0	360.2	1	
1C	0	-2011	773	-118	0	-153	-1005	27.7	236.2	28.9	0.0	263.9	1	
1D	0	-2011	1086	-118	0	-153	-2035	27.7	350.3	40.6	0.0	377.9	1	
1E	0	1204	773	100	0	132	-1005	16.6	218.5	28.9	0.0	235.0	1	
1F	0	1204	1086	100	0	132	-2035	16.6	332.5	40.6	0.0	349.1	1	
1G	0	1204	773	-118	0	-153	-1005	16.6	236.2	28.9	0.0	252.8	1	
1H	0	1204	1086	-118	0	-153	-2035	16.6	350.3	40.6	0.0	366.8	1	
1I	0	-4713	754	286	0	390	-552	64.8	378.9	28.2	0.0	443.7	1	
1J	0	-4713	1104	286	0	390	-2488	64.8	593.0	41.3	0.0	657.9	1	
1K	0	-4713	754	-304	0	-412	-552	64.8	396.6	28.2	0.0	461.5	1	
1L	0	-4713	1104	-304	0	-412	-2488	64.8	610.8	41.3	0.0	675.6	1	
1M	0	3905	754	286	0	390	-552	53.7	378.9	28.2	0.0	432.6	1	
1N	0	3905	1104	286	0	390	-2488	53.7	593.0	41.3	0.0	646.8	1	
1O	0	3905	754	-304	0	-412	-552	53.7	396.6	28.2	0.0	450.4	1	
1P	0	3905	1104	-304	0	-412	-2488	53.7	610.8	41.3	0.0	664.5	1	
2	0	-2347	4353	-134	0	-175	-7567	32.3	980.1	162.8	0.0	1012.4	1	
7	0	-2068	3424	-136	0	-178	-5949	28.4	802.8	128.1	0.0	831.3	1	
8	0	-1717	3419	-90	0	-118	-5942	23.6	753.3	127.9	0.0	776.9	1	
1A	72	-2010	732	100	0	56	-454	27.7	96.2	27.4	0.0	123.9	1	
1B	72	-2010	1045	100	0	56	-1279	27.7	187.4	39.1	0.0	215.0	1	
1C	72	-2010	732	-118	0	-65	-454	27.7	103.6	27.4	0.0	131.2	1	
1D	72	-2010	1045	-118	0	-65	-1279	27.7	194.8	39.1	0.0	222.4	1	
1E	72	1205	732	100	0	56	-454	16.6	96.2	27.4	0.0	112.8	1	
1F	72	1205	1045	100	0	56	-1279	16.6	187.4	39.1	0.0	204.0	1	
1G	72	1205	732	-118	0	-65	-454	16.6	103.6	27.4	0.0	120.1	1	
1H	72	1205	1045	-118	0	-65	-1279	16.6	194.8	39.1	0.0	211.3	1	
1I	72	-4711	713	286	0	182	-20	64.8	150.6	26.7	0.0	215.4	1	
1J	72	-4711	1064	286	0	182	-1713	64.8	337.8	39.8	0.0	402.6	1	
1K	72	-4711	713	-304	0	-191	-20	64.8	157.9	26.7	0.0	222.8	1	
1L	72	-4711	1064	-304	0	-191	-1713	64.8	345.2	39.8	0.0	410.0	1	
1M	72	3906	713	286	0	182	-20	53.7	150.6	26.7	0.0	204.3	1	
1N	72	3906	1064	286	0	182	-1713	53.7	337.8	39.8	0.0	391.5	1	
1O	72	3906	713	-304	0	-191	-20	53.7	157.9	26.7	0.0	211.7	1	
1P	72	3906	1064	-304	0	-191	-1713	53.7	345.2	39.8	0.0	398.9	1	
2	72	-2346	4300	-134	0	-79	-4456	32.3	557.3	160.8	0.0	589.5	1	
7	72	-2066	3370	-136	0	-80	-3506	28.4	452.9	126.1	0.0	481.3	1	
8	72	-1716	3366	-90	0	-53	-3503	23.6	430.5	125.9	0.0	454.1	1	
1A	144	-2009	691	100	0	-19	67	27.6	22.8	25.9	0.0	53.0	4	
1B	144	-2009	1004	100	0	-19	-551	27.6	76.5	37.5	0.0	104.1	1	
1C	144	-2009	691	-118	0	23	67	27.6	25.8	25.9	0.0	53.5	1	
1D	144	-2009	1004	-118	0	23	-551	27.6	79.5	37.5	0.0	107.1	1	
1E	144	1206	691	100	0	-19	67	16.6	22.8	25.9	0.0	48.0	4	
1F	144	1206	1004	100	0	-19	-551	16.6	76.5	37.5	0.0	93.0	1	
1G	144	1206	691	-118	0	23	67	16.6	25.8	25.9	0.0	48.1	4	
1H	144	1206	1004	-118	0	23	-551	16.6	79.5	37.5	0.0	96.0	1	
1I	144	-4710	672	286	0	-26	482	64.8	74.5	25.1	0.0	139.3	1	
1J	144	-4710	1022	286	0	-26	-967	64.8	128.1	38.2	0.0	192.9	1	
1K	144	-4710	672	-304	0	30	482	64.8	77.5	25.1	0.0	142.3	1	
1L	144	-4710	1022	-304	0	30	-967	64.8	131.1	38.2	0.0	195.9	1	
1M	144	3907	672	286	0	-26	482	53.7	74.5	25.1	0.0	128.2	1	
1N	144	3907	1022	286	0	-26	-967	53.7	128.1	38.2	0.0	181.9	1	
1O	144	3907	672	-304	0	30	482	53.7	77.5	25.1	0.0	131.2	1	
1P	144	3907	1022	-304	0	30	-967	53.7	131.1	38.2	0.0	184.9	1	
2	144	-2344	4247	-134	0	18	-1384	32.2	167.5	158.9	0.0	277.1	4	
7	144	-2065	3317	-136	0	18	-1102	28.4	136.6	124.1	0.0	218.5	3	
8	144	-1715	3312	-90	0	12	-1103	23.6	132.0	123.9	0.0	215.9	4	

ASTA NUM. 137 NI 854 NF 853 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2392	567	16	0	16	66	32.9	20.1	21.2	0.0	53.0	1	
1B	0	-2392	854	16	0	16	-551	32.9	73.8	31.9	0.0	106.7	1	
1C	0	-2392	567	-19	0	-14	66	32.9	18.8	21.2	0.0	51.7	1	
1D	0	-2392	854	-19	0	-14	-551	32.9	72.5	31.9	0.0	105.4	1	
1E	0	2532	567	16	0	16	66	34.8	20.1	21.2	0.0	54.9	1	
1F	0	2532	854	16	0	16	-551	34.8	73.8	31.9	0.0	108.6	1	
1G	0	2532	567	-19	0	-14	66	34.8	18.8	21.2	0.0	53.7	1	
1H	0	2532	854	-19	0	-14	-551	34.8	72.5	31.9	0.0	107.3	1	
1I	0	-3719	541	11	0	18	482	51.2	67.6	20.2	0.0	118.8	1	
1J	0	-3719	880	11	0	18	-967	51.2	121.3	32.9	0.0	172.4	1	
1K	0	-3719	541	-14	0	-16	482	51.2	66.3	20.2	0.0	117.5	1	
1L	0	-3719	880	-14	0	-16	-967	51.2	120.0	32.9	0.0	171.1	1	
1M	0	3859	541	11	0	18	482	53.1	67.6	20.2	0.0	120.7	1	
1N	0	3859	880	11	0	18	-967	53.1	121.3	32.9	0.0	174.3	1	
1O	0	3859	541	-14	0	-16	482	53.1	66.3	20.2	0.0	119.4	1	
1P	0	3859	880	-14	0	-16	-967	53.1	120.0	32.9	0.0	173.1	1	
2	0	-46	3306	-2	0	9	-1384	0.6	160.3	123.7	0.0	218.5	3	
7	0	-192	2605	-0	0	10	-1102	2.6	129.8	97.4	0.0	174.4	3	

8	0	61	2599	-2	0	6	-1103	0.8	126.9	97.2	0.0	173.0	3
1A	72	-2390	526	16	0	26	535	32.9	80.7	19.7	0.0	113.6	1
1B	72	-2390	813	16	0	26	-28	32.9	24.6	30.4	0.0	62.6	4
1C	72	-2390	526	-19	0	-23	535	32.9	77.9	19.7	0.0	110.7	1
1D	72	-2390	813	-19	0	-23	-28	32.9	21.8	30.4	0.0	62.5	4
1E	72	2533	526	16	0	26	535	34.8	80.7	19.7	0.0	115.6	1
1F	72	2533	813	16	0	26	-28	34.8	24.6	30.4	0.0	63.7	4
1G	72	2533	526	-19	0	-23	535	34.8	77.9	19.7	0.0	112.7	1
1H	72	2533	813	-19	0	-23	-28	34.8	21.8	30.4	0.0	63.6	4
1I	72	-3718	500	11	0	1	880	51.1	98.4	18.7	0.0	149.5	1
1J	72	-3718	839	11	0	1	-373	51.1	42.3	31.4	0.0	98.8	3
1K	72	-3718	500	-14	0	2	880	51.1	99.2	18.7	0.0	150.4	1
1L	72	-3718	839	-14	0	2	-373	51.1	43.1	31.4	0.0	98.9	3
1M	72	3860	500	11	0	1	880	53.1	98.4	18.7	0.0	151.5	1
1N	72	3860	839	11	0	1	-373	53.1	42.3	31.4	0.0	100.6	3
1O	72	3860	500	-14	0	2	880	53.1	99.2	18.7	0.0	152.3	1
1P	72	3860	839	-14	0	2	-373	53.1	43.1	31.4	0.0	100.7	3
2	72	-45	3252	-2	0	10	974	0.6	116.1	121.7	0.0	210.7	4
7	72	-191	2552	-0	0	10	752	2.6	91.2	95.4	0.0	165.3	4
8	72	62	2546	-2	0	7	747	0.9	88.7	95.2	0.0	165.0	4
1A	144	-2389	485	16	0	37	974	32.9	138.1	18.1	0.0	171.0	1
1B	144	-2389	772	16	0	37	466	32.9	82.0	28.9	0.0	114.8	1
1C	144	-2389	485	-19	0	-32	974	32.9	133.6	18.1	0.0	166.5	1
1D	144	-2389	772	-19	0	-32	466	32.9	77.5	28.9	0.0	110.4	1
1E	144	2534	485	16	0	37	974	34.9	138.1	18.1	0.0	172.9	1
1F	144	2534	772	16	0	37	466	34.9	82.0	28.9	0.0	116.8	1
1G	144	2534	485	-19	0	-32	974	34.9	133.6	18.1	0.0	168.5	1
1H	144	2534	772	-19	0	-32	466	34.9	77.5	28.9	0.0	112.4	1
1I	144	-3717	459	11	0	-15	1249	51.1	150.4	17.2	0.0	201.5	1
1J	144	-3717	798	11	0	-15	191	51.1	33.4	29.8	0.0	84.5	1
1K	144	-3717	459	-14	0	21	1249	51.1	154.9	17.2	0.0	206.0	1
1L	144	-3717	798	-14	0	21	191	51.1	37.9	29.8	0.0	89.0	1
1M	144	3861	459	11	0	-15	1249	53.1	150.4	17.2	0.0	203.5	1
1N	144	3861	798	11	0	-15	191	53.1	33.4	29.8	0.0	86.5	1
1O	144	3861	459	-14	0	21	1249	53.1	154.9	17.2	0.0	208.0	1
1P	144	3861	798	-14	0	21	191	53.1	37.9	29.8	0.0	91.0	1
2	144	-44	3199	-2	0	11	3294	0.6	373.8	119.7	0.0	375.4	3
7	144	-190	2498	-0	0	10	2568	2.6	292.2	93.4	0.0	294.8	1
8	144	64	2493	-2	0	9	2559	0.9	290.4	93.3	0.0	292.2	3

ASTA NUM. 138 NI 853 NF 852 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2658	367	15	0	33	973	36.6	134.6	13.7	0.0	171.2	1	
1B	0	-2658	615	15	0	33	466	36.6	78.6	23.0	0.0	115.2	1	
1C	0	-2658	367	-16	0	-30	973	36.6	131.8	13.7	0.0	168.4	1	
1D	0	-2658	615	-16	0	-30	466	36.6	75.8	23.0	0.0	112.3	1	
1E	0	3758	367	15	0	33	973	51.7	134.6	13.7	0.0	186.3	1	
1F	0	3758	615	15	0	33	466	51.7	78.6	23.0	0.0	130.3	1	
1G	0	3758	367	-16	0	-30	973	51.7	131.8	13.7	0.0	183.5	1	
1H	0	3758	615	-16	0	-30	466	51.7	75.8	23.0	0.0	127.5	1	
1I	0	-2303	329	9	0	15	1248	31.7	150.4	12.3	0.0	182.1	1	
1J	0	-2303	653	9	0	15	191	31.7	33.5	24.4	0.0	65.2	1	
1K	0	-2303	329	-10	0	-12	1248	31.7	147.6	12.3	0.0	179.3	1	
1L	0	-2303	653	-10	0	-12	191	31.7	30.7	24.4	0.0	62.3	1	
1M	0	3402	329	9	0	15	1248	46.8	150.4	12.3	0.0	197.2	1	
1N	0	3402	653	9	0	15	191	46.8	33.5	24.4	0.0	80.3	1	
1O	0	3402	329	-10	0	-12	1248	46.8	147.6	12.3	0.0	194.4	1	
1P	0	3402	653	-10	0	-12	191	46.8	30.7	24.4	0.0	77.5	1	
2	0	2481	2259	-6	0	3	3293	34.1	366.7	84.5	0.0	400.8	1	
7	0	1889	1786	-5	0	2	2567	26.0	285.6	66.8	0.0	311.6	1	
8	0	1992	1780	-4	0	3	2558	27.4	285.3	66.6	0.0	312.7	1	
1A	72	-2657	326	15	0	24	1335	36.6	166.9	12.2	0.0	203.4	1	
1B	72	-2657	574	15	0	24	780	36.6	105.5	21.5	0.0	142.1	1	
1C	72	-2657	326	-16	0	-19	1335	36.6	163.4	12.2	0.0	200.0	1	
1D	72	-2657	574	-16	0	-19	780	36.6	102.1	21.5	0.0	138.6	1	
1E	72	3759	326	15	0	24	1335	51.7	166.9	12.2	0.0	218.6	1	
1F	72	3759	574	15	0	24	780	51.7	105.5	21.5	0.0	157.2	1	
1G	72	3759	326	-16	0	-19	1335	51.7	163.4	12.2	0.0	215.1	1	
1H	72	3759	574	-16	0	-19	780	51.7	102.1	21.5	0.0	153.8	1	
1I	72	-2302	288	9	0	12	1505	31.7	176.1	10.8	0.0	207.8	1	
1J	72	-2302	612	9	0	12	610	31.7	77.2	22.9	0.0	108.8	1	
1K	72	-2302	288	-10	0	-8	1505	31.7	172.6	10.8	0.0	204.3	1	
1L	72	-2302	612	-10	0	-8	610	31.7	73.7	22.9	0.0	105.4	1	
1M	72	3403	288	9	0	12	1505	46.8	176.1	10.8	0.0	222.9	1	
1N	72	3403	612	9	0	12	610	46.8	77.2	22.9	0.0	124.0	1	
1O	72	3403	288	-10	0	-8	1505	46.8	172.6	10.8	0.0	219.4	1	
1P	72	3403	612	-10	0	-8	610	46.8	73.7	22.9	0.0	120.5	1	
2	72	2482	2206	-6	0	7	4898	34.1	547.5	82.5	0.0	581.6	1	
7	72	1890	1733	-5	0	6	3832	26.0	428.5	64.8	0.0	454.5	1	
8	72	1994	1726	-4	0	6	3819	27.4	427.1	64.6	0.0	454.5	1	
1A	144	-2656	285	15	0	14	1667	36.5	195.9	10.7	0.0	232.4	1	
1B	144	-2656	533	15	0	14	1065	36.5	129.2	19.9	0.0	165.8	1	
1C	144	-2656	285	-16	0	-9	1667	36.5	191.8	10.7	0.0	228.3	1	
1D	144	-2656	533	-16	0	-9	1065	36.5	125.1	19.9	0.0	161.6	1	
1E	144	3760	285	15	0	14	1667	51.7	195.9	10.7	0.0	247.6	1	

1F	144	3760	533	15	0	14	1065	51.7	129.2	19.9	0.0	180.9	1
1G	144	3760	285	-16	0	-9	1667	51.7	191.8	10.7	0.0	243.5	1
1H	144	3760	533	-16	0	-9	1065	51.7	125.1	19.9	0.0	176.8	1
1I	144	-2301	247	9	0	8	1732	31.6	198.5	9.2	0.0	230.1	1
1J	144	-2301	571	9	0	8	1000	31.6	117.6	21.3	0.0	149.2	1
1K	144	-2301	247	-10	0	-3	1732	31.6	194.4	9.2	0.0	226.0	1
1L	144	-2301	571	-10	0	-3	1000	31.6	113.5	21.3	0.0	145.1	1
1M	144	3404	247	9	0	8	1732	46.8	198.5	9.2	0.0	245.3	1
1N	144	3404	571	9	0	8	1000	46.8	117.6	21.3	0.0	164.4	1
1O	144	3404	247	-10	0	-3	1732	46.8	194.4	9.2	0.0	241.2	1
1P	144	3404	571	-10	0	-3	1000	46.8	113.5	21.3	0.0	160.3	1
2	144	2483	2152	-6	0	11	6464	34.2	724.0	80.5	0.0	758.2	1
7	144	1891	1680	-5	0	9	5059	26.0	567.1	62.8	0.0	593.1	1
8	144	1995	1673	-4	0	9	5041	27.4	564.7	62.6	0.0	592.1	1

ASTA NUM. 139 NI 852 NF 856 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2560	162	8	0	14	1667	35.2	195.6	6.0	0.0	230.8	1	
1B	0	-2560	383	8	0	14	1065	35.2	129.0	14.3	0.0	164.2	1	
1C	0	-2560	162	-34	0	-11	1667	35.2	193.1	6.0	0.0	228.3	1	
1D	0	-2560	383	-34	0	-11	1065	35.2	126.4	14.3	0.0	161.6	1	
1E	0	4557	162	8	0	14	1667	62.7	195.6	6.0	0.0	258.3	1	
1F	0	4557	383	8	0	14	1065	62.7	129.0	14.3	0.0	191.6	1	
1G	0	4557	162	-34	0	-11	1667	62.7	193.1	6.0	0.0	255.7	1	
1H	0	4557	383	-34	0	-11	1065	62.7	126.4	14.3	0.0	189.1	1	
1I	0	-925	114	2	0	13	1732	12.7	202.5	4.3	0.0	215.2	1	
1J	0	-925	431	2	0	13	1000	12.7	121.6	16.1	0.0	134.3	1	
1K	0	-925	114	-28	0	-10	1732	12.7	200.0	4.3	0.0	212.7	1	
1L	0	-925	431	-28	0	-10	1000	12.7	119.1	16.1	0.0	131.8	1	
1M	0	2922	114	2	0	13	1732	40.2	202.5	4.3	0.0	242.7	1	
1N	0	2922	431	2	0	13	1000	40.2	121.6	16.1	0.0	161.8	1	
1O	0	2922	114	-28	0	-10	1732	40.2	200.0	4.3	0.0	240.2	1	
1P	0	2922	431	-28	0	-10	1000	40.2	119.1	16.1	0.0	159.3	1	
2	0	4906	1219	-67	0	2	6463	67.5	717.1	45.6	0.0	784.5	1	
7	0	3874	974	-54	0	1	5059	53.3	560.7	36.4	0.0	614.0	1	
8	0	3843	967	-52	0	3	5040	52.9	559.7	36.2	0.0	612.6	1	
1A	72	-2558	121	8	0	35	1864	35.2	234.7	4.5	0.0	269.9	1	
1B	72	-2558	342	8	0	35	1231	35.2	164.7	12.8	0.0	199.9	1	
1C	72	-2558	121	-34	0	-13	1864	35.2	216.9	4.5	0.0	252.1	1	
1D	72	-2558	342	-34	0	-13	1231	35.2	146.9	12.8	0.0	182.1	1	
1E	72	4558	121	8	0	35	1864	62.7	234.7	4.5	0.0	297.4	1	
1F	72	4558	342	8	0	35	1231	62.7	164.7	12.8	0.0	227.4	1	
1G	72	4558	121	-34	0	-13	1864	62.7	216.9	4.5	0.0	279.6	1	
1H	72	4558	342	-34	0	-13	1231	62.7	146.9	12.8	0.0	209.6	1	
1I	72	-924	73	2	0	9	1829	12.7	209.7	2.7	0.0	222.5	1	
1J	72	-924	390	2	0	9	1265	12.7	147.3	14.6	0.0	160.0	1	
1K	72	-924	73	-28	0	13	1829	12.7	212.8	2.7	0.0	225.6	1	
1L	72	-924	390	-28	0	13	1265	12.7	150.4	14.6	0.0	163.1	1	
1M	72	2923	73	2	0	9	1829	40.2	209.7	2.7	0.0	250.0	1	
1N	72	2923	390	2	0	9	1265	40.2	147.3	14.6	0.0	187.5	1	
1O	72	2923	73	-28	0	13	1829	40.2	212.8	2.7	0.0	253.1	1	
1P	72	2923	390	-28	0	13	1265	40.2	150.4	14.6	0.0	190.6	1	
2	72	4908	1166	-67	0	51	7321	67.5	851.4	43.6	0.0	918.9	1	
7	72	3875	921	-54	0	40	5740	53.3	667.6	34.4	0.0	720.9	1	
8	72	3844	914	-52	0	40	5717	52.9	665.0	34.2	0.0	717.9	1	
1A	144	-2557	80	8	0	56	2031	35.2	270.6	3.0	0.0	305.8	1	
1B	144	-2557	301	8	0	56	1367	35.2	197.1	11.3	0.0	232.3	1	
1C	144	-2557	80	-34	0	-16	2031	35.2	237.5	3.0	0.0	272.7	1	
1D	144	-2557	301	-34	0	-16	1367	35.2	164.1	11.3	0.0	199.2	1	
1E	144	4559	80	8	0	56	2031	62.7	270.6	3.0	0.0	333.3	1	
1F	144	4559	301	8	0	56	1367	62.7	197.1	11.3	0.0	259.8	1	
1G	144	4559	80	-34	0	-16	2031	62.7	237.5	3.0	0.0	300.2	1	
1H	144	4559	301	-34	0	-16	1367	62.7	164.1	11.3	0.0	226.8	1	
1I	144	-922	32	2	0	5	1898	12.7	213.7	1.2	0.0	226.4	1	
1J	144	-922	349	2	0	5	1500	12.7	169.8	13.1	0.0	182.5	1	
1K	144	-922	32	-28	0	36	1898	12.7	239.2	1.2	0.0	251.9	1	
1L	144	-922	349	-28	0	36	1500	12.7	195.3	13.1	0.0	208.0	1	
1M	144	2924	32	2	0	5	1898	40.2	213.7	1.2	0.0	253.9	1	
1N	144	2924	349	2	0	5	1500	40.2	169.8	13.1	0.0	210.0	1	
1O	144	2924	32	-28	0	36	1898	40.2	239.2	1.2	0.0	279.5	1	
1P	144	2924	349	-28	0	36	1500	40.2	195.3	13.1	0.0	235.5	1	
2	144	4909	1112	-67	0	99	8140	67.5	981.5	41.6	0.0	1049.1	1	
7	144	3876	868	-54	0	79	6383	53.3	770.2	32.5	0.0	823.5	1	
8	144	3845	860	-52	0	77	6355	52.9	766.1	32.2	0.0	819.0	1	

ASTA NUM. 140 NI 856 NF 724 Lungh. 75.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2366	-57	19	0	56	2031	32.5	270.0	2.1	0.0	302.5	1	

1B	0	-2366	206	19	0	56	1367	32.5	196.5	7.7	0.0	229.1	1
1C	0	-2366	-57	-19	0	-16	2031	32.5	237.9	2.1	0.0	270.4	1
1D	0	-2366	206	-19	0	-16	1367	32.5	164.4	7.7	0.0	197.0	1
1E	0	4772	-57	19	0	56	2031	65.6	270.0	2.1	0.0	335.6	1
1F	0	4772	206	19	0	56	1367	65.6	196.5	7.7	0.0	262.2	1
1G	0	4772	-57	-19	0	-16	2031	65.6	237.9	2.1	0.0	303.5	1
1H	0	4772	206	-19	0	-16	1367	65.6	164.4	7.7	0.0	230.1	1
1I	0	-94	-104	15	0	36	1898	1.3	239.7	3.9	0.0	241.0	1
1J	0	-94	252	15	0	36	1500	1.3	195.7	9.4	0.0	197.0	1
1K	0	-94	-104	-15	0	3	1898	1.3	212.4	3.9	0.0	213.6	1
1L	0	-94	252	-15	0	3	1500	1.3	168.4	9.4	0.0	169.7	1
1M	0	2500	-104	15	0	36	1898	34.4	239.7	3.9	0.0	274.1	1
1N	0	2500	252	15	0	36	1500	34.4	195.7	9.4	0.0	230.1	1
1O	0	2500	-104	-15	0	3	1898	34.4	212.4	3.9	0.0	246.7	1
1P	0	2500	252	-15	0	3	1500	34.4	168.4	9.4	0.0	202.8	1
2	0	6186	284	-4	0	93	8139	85.1	976.0	10.6	0.0	1061.1	1
7	0	4963	246	-4	0	72	6383	68.3	764.9	9.2	0.0	833.2	1
8	0	4795	235	-2	0	73	6354	66.0	762.2	8.8	0.0	828.2	1
1A	37	-2365	-78	19	0	61	2066	32.5	278.0	2.9	0.0	310.5	1
1B	37	-2365	184	19	0	61	1380	32.5	202.2	6.9	0.0	234.7	1
1C	37	-2365	-78	-19	0	-21	2066	32.5	245.9	2.9	0.0	278.4	1
1D	37	-2365	184	-19	0	-21	1380	32.5	170.0	6.9	0.0	202.6	1
1E	37	4772	-78	19	0	61	2066	65.6	278.0	2.9	0.0	343.6	1
1F	37	4772	184	19	0	61	1380	65.6	202.2	6.9	0.0	267.8	1
1G	37	4772	-78	-19	0	-21	2066	65.6	245.9	2.9	0.0	311.5	1
1H	37	4772	184	-19	0	-21	1380	65.6	170.0	6.9	0.0	235.7	1
1I	37	-94	-125	15	0	36	1891	1.3	238.5	4.7	0.0	239.8	1
1J	37	-94	231	15	0	36	1555	1.3	201.3	8.6	0.0	202.5	1
1K	37	-94	-125	-15	0	4	1891	1.3	212.1	4.7	0.0	213.4	1
1L	37	-94	231	-15	0	4	1555	1.3	174.9	8.6	0.0	176.2	1
1M	37	2501	-125	15	0	36	1891	34.4	238.5	4.7	0.0	272.9	1
1N	37	2501	231	15	0	36	1555	34.4	201.3	8.6	0.0	235.7	1
1O	37	2501	-125	-15	0	4	1891	34.4	212.1	4.7	0.0	246.5	1
1P	37	2501	231	-15	0	4	1555	34.4	174.9	8.6	0.0	209.3	1
2	37	6186	257	-4	0	94	8241	85.1	988.4	9.6	0.0	1073.5	1
7	37	4964	218	-4	0	74	6470	68.3	775.7	8.1	0.0	844.0	1
8	37	4796	207	-2	0	74	6437	66.0	772.2	7.8	0.0	838.2	1
1A	75	-2365	-100	19	0	66	2092	32.5	285.1	3.7	0.0	317.6	1
1B	75	-2365	163	19	0	66	1386	32.5	206.9	6.1	0.0	239.5	1
1C	75	-2365	-100	-19	0	-26	2092	32.5	252.9	3.7	0.0	285.5	1
1D	75	-2365	163	-19	0	-26	1386	32.5	174.7	6.1	0.0	207.3	1
1E	75	4773	-100	19	0	66	2092	65.6	285.1	3.7	0.0	350.8	1
1F	75	4773	163	19	0	66	1386	65.6	206.9	6.1	0.0	272.6	1
1G	75	4773	-100	-19	0	-26	2092	65.6	252.9	3.7	0.0	318.6	1
1H	75	4773	163	-19	0	-26	1386	65.6	174.7	6.1	0.0	240.4	1
1I	75	-93	-146	15	0	35	1877	1.3	236.5	5.5	0.0	237.8	1
1J	75	-93	209	15	0	35	1601	1.3	205.9	7.8	0.0	207.2	1
1K	75	-93	-146	-15	0	4	1877	1.3	211.0	5.5	0.0	212.3	1
1L	75	-93	209	-15	0	4	1601	1.3	180.5	7.8	0.0	181.8	1
1M	75	2501	-146	15	0	35	1877	34.4	236.5	5.5	0.0	270.9	1
1N	75	2501	209	15	0	35	1601	34.4	205.9	7.8	0.0	240.3	1
1O	75	2501	-146	-15	0	4	1877	34.4	211.0	5.5	0.0	245.4	1
1P	75	2501	209	-15	0	4	1601	34.4	180.5	7.8	0.0	214.9	1
2	75	6187	229	-4	0	96	8332	85.1	999.7	8.6	0.0	1084.8	1
7	75	4964	190	-4	0	75	6546	68.3	785.4	7.1	0.0	853.6	1
8	75	4797	180	-2	0	75	6510	66.0	781.0	6.7	0.0	847.0	1

ASTA NUM. 141 NI 855 NF 851 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-2544	-299	34	0	56	2038	35.0	271.5	11.2	0.0	306.5	1	
1B	0	-2544	-78	34	0	56	1364	35.0	196.9	2.9	0.0	231.9	1	
1C	0	-2544	-299	-9	0	-16	2038	35.0	238.8	11.2	0.0	273.7	1	
1D	0	-2544	-78	-9	0	-16	1364	35.0	164.1	2.9	0.0	199.1	1	
1E	0	4566	-299	34	0	56	2038	62.8	271.5	11.2	0.0	334.3	1	
1F	0	4566	-78	34	0	56	1364	62.8	196.9	2.9	0.0	259.7	1	
1G	0	4566	-299	-9	0	-16	2038	62.8	238.8	11.2	0.0	301.6	1	
1H	0	4566	-78	-9	0	-16	1364	62.8	164.1	2.9	0.0	226.9	1	
1I	0	-1277	-341	27	0	34	1913	17.6	239.3	12.8	0.0	256.9	1	
1J	0	-1277	-35	27	0	34	1489	17.6	192.5	1.3	0.0	210.0	1	
1K	0	-1277	-341	-2	0	6	1913	17.6	216.7	12.8	0.0	234.2	1	
1L	0	-1277	-35	-2	0	6	1489	17.6	169.8	1.3	0.0	187.4	1	
1M	0	3299	-341	27	0	34	1913	45.4	239.3	12.8	0.0	284.7	1	
1N	0	3299	-35	27	0	34	1489	45.4	192.5	1.3	0.0	237.9	1	
1O	0	3299	-341	-2	0	6	1913	45.4	216.7	12.8	0.0	262.0	1	
1P	0	3299	-35	-2	0	6	1489	45.4	169.8	1.3	0.0	215.2	1	
2	0	5549	-972	61	0	96	8249	76.3	990.9	36.4	0.0	1067.2	1	
7	0	4560	-744	47	0	75	6480	62.7	778.0	27.8	0.0	840.7	1	
8	0	4252	-746	48	0	75	6442	58.5	774.0	27.9	0.0	832.5	1	
1A	72	-2545	-340	34	0	35	1875	35.0	236.1	12.7	0.0	271.1	1	
1B	72	-2545	-119	34	0	35	1226	35.0	164.3	4.4	0.0	199.3	1	
1C	72	-2545	-340	-9	0	-13	1875	35.0	218.3	12.7	0.0	253.3	1	
1D	72	-2545	-119	-9	0	-13	1226	35.0	146.5	4.4	0.0	181.5	1	
1E	72	4565	-340	34	0	35	1875	62.8	236.1	12.7	0.0	298.9	1	
1F	72	4565	-119	34	0	35	1226	62.8	164.3	4.4	0.0	227.1	1	
1G	72	4565	-340	-9	0	-13	1875	62.8	218.3	12.7	0.0	281.1	1	
1H	72	4565	-119	-9	0	-13	1226	62.8	146.5	4.4	0.0	209.3	1	

1I	72	-1278	-382	27	0	11	1843	17.6	213.3	14.3	0.0	230.8	1
1J	72	-1278	-76	27	0	11	1258	17.6	148.6	2.9	0.0	166.2	1
1K	72	-1278	-382	-2	0	10	1843	17.6	212.3	14.3	0.0	229.9	1
1L	72	-1278	-76	-2	0	10	1258	17.6	147.6	2.9	0.0	165.2	1
1M	72	3298	-382	27	0	11	1843	45.4	213.3	14.3	0.0	258.6	1
1N	72	3298	-76	27	0	11	1258	45.4	148.6	2.9	0.0	193.9	1
1O	72	3298	-382	-2	0	10	1843	45.4	212.3	14.3	0.0	257.7	1
1P	72	3298	-76	-2	0	10	1258	45.4	147.6	2.9	0.0	193.0	1
2	72	5548	-1026	61	0	52	7531	76.3	875.8	38.4	0.0	952.1	1
7	72	4558	-798	47	0	41	5926	62.7	689.3	29.8	0.0	752.0	1
8	72	4250	-800	48	0	41	5886	58.5	684.5	29.9	0.0	743.0	1
1A	144	-2546	-381	34	0	14	1683	35.0	197.4	14.2	0.0	232.4	1
1B	144	-2546	-160	34	0	14	1059	35.0	128.4	6.0	0.0	163.5	1
1C	144	-2546	-381	-9	0	-10	1683	35.0	194.7	14.2	0.0	229.7	1
1D	144	-2546	-160	-9	0	-10	1059	35.0	125.7	6.0	0.0	160.7	1
1E	144	4564	-381	34	0	14	1683	62.8	197.4	14.2	0.0	260.2	1
1F	144	4564	-160	34	0	14	1059	62.8	128.4	6.0	0.0	191.2	1
1G	144	4564	-381	-9	0	-10	1683	62.8	194.7	14.2	0.0	257.4	1
1H	144	4564	-160	-9	0	-10	1059	62.8	125.7	6.0	0.0	188.5	1
1I	144	-1279	-423	27	0	-11	1744	17.6	201.9	15.8	0.0	219.5	1
1J	144	-1279	-117	27	0	-11	998	17.6	119.4	4.4	0.0	137.0	1
1K	144	-1279	-423	-2	0	14	1744	17.6	204.7	15.8	0.0	222.3	1
1L	144	-1279	-117	-2	0	14	998	17.6	122.2	4.4	0.0	139.8	1
1M	144	3297	-423	27	0	-11	1744	45.3	201.9	15.8	0.0	247.3	1
1N	144	3297	-117	27	0	-11	998	45.3	119.4	4.4	0.0	164.8	1
1O	144	3297	-423	-2	0	14	1744	45.3	204.7	15.8	0.0	250.0	1
1P	144	3297	-117	-2	0	14	998	45.3	122.2	4.4	0.0	167.5	1
2	144	5547	-1079	61	0	9	6774	76.3	756.5	40.4	0.0	832.8	1
7	144	4557	-851	47	0	8	5333	62.7	596.4	31.8	0.0	659.1	1
8	144	4249	-853	48	0	7	5292	58.4	590.8	31.9	0.0	649.2	1

ASTA NUM. 142 NI 851 NF 850 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2475	-525	17	0	14	1684	34.0	197.7	19.6	0.0	231.7	1	
1B	0	-2475	-287	17	0	14	1060	34.0	128.7	10.7	0.0	162.7	1	
1C	0	-2475	-525	-17	0	-9	1684	34.0	193.8	19.6	0.0	227.9	1	
1D	0	-2475	-287	-17	0	-9	1060	34.0	124.8	10.7	0.0	158.9	1	
1E	0	3622	-525	17	0	14	1684	49.8	197.7	19.6	0.0	247.5	1	
1F	0	3622	-287	17	0	14	1060	49.8	128.7	10.7	0.0	178.5	1	
1G	0	3622	-525	-17	0	-9	1684	49.8	193.8	19.6	0.0	243.6	1	
1H	0	3622	-287	-17	0	-9	1060	49.8	124.8	10.7	0.0	174.7	1	
1I	0	-2554	-562	10	0	8	1745	35.1	199.4	21.0	0.0	234.5	1	
1J	0	-2554	-250	10	0	8	999	35.1	116.9	9.4	0.0	152.0	1	
1K	0	-2554	-562	-10	0	-3	1745	35.1	195.5	21.0	0.0	230.7	1	
1L	0	-2554	-250	-10	0	-3	999	35.1	113.1	9.4	0.0	148.2	1	
1M	0	3702	-562	10	0	8	1745	50.9	199.4	21.0	0.0	250.3	1	
1N	0	3702	-250	10	0	8	999	50.9	116.9	9.4	0.0	167.8	1	
1O	0	3702	-562	-10	0	-3	1745	50.9	195.5	21.0	0.0	246.5	1	
1P	0	3702	-250	-10	0	-3	999	50.9	113.1	9.4	0.0	164.0	1	
2	0	3765	-2006	0	0	8	6775	51.8	756.2	75.0	0.0	808.0	1	
7	0	3259	-1551	-0	0	6	5334	44.8	595.2	58.0	0.0	640.0	1	
8	0	2810	-1555	1	0	7	5293	38.7	591.0	58.2	0.0	629.7	1	
1A	72	-2476	-566	17	0	25	1354	34.1	170.1	21.2	0.0	204.2	1	
1B	72	-2476	-328	17	0	25	776	34.1	106.2	12.3	0.0	140.2	1	
1C	72	-2476	-566	-17	0	-21	1354	34.1	166.7	21.2	0.0	200.8	1	
1D	72	-2476	-328	-17	0	-21	776	34.1	102.8	12.3	0.0	136.8	1	
1E	72	3621	-566	17	0	25	1354	49.8	170.1	21.2	0.0	219.9	1	
1F	72	3621	-328	17	0	25	776	49.8	106.2	12.3	0.0	156.0	1	
1G	72	3621	-566	-17	0	-21	1354	49.8	166.7	21.2	0.0	216.5	1	
1H	72	3621	-328	-17	0	-21	776	49.8	102.8	12.3	0.0	152.6	1	
1I	72	-2555	-603	10	0	13	1517	35.1	178.1	22.6	0.0	213.3	1	
1J	72	-2555	-291	10	0	13	613	35.1	78.1	10.9	0.0	113.3	1	
1K	72	-2555	-603	-10	0	-8	1517	35.1	174.7	22.6	0.0	209.9	1	
1L	72	-2555	-291	-10	0	-8	613	35.1	74.7	10.9	0.0	109.9	1	
1M	72	3701	-603	10	0	13	1517	50.9	178.1	22.6	0.0	229.0	1	
1N	72	3701	-291	10	0	13	613	50.9	78.1	10.9	0.0	129.0	1	
1O	72	3701	-603	-10	0	-8	1517	50.9	174.7	22.6	0.0	225.6	1	
1P	72	3701	-291	-10	0	-8	613	50.9	74.7	10.9	0.0	125.6	1	
2	72	3764	-2059	0	0	8	5314	51.8	594.2	77.0	0.0	646.0	1	
7	72	3258	-1604	-0	0	7	4200	44.8	470.0	60.0	0.0	514.8	1	
8	72	2808	-1608	1	0	6	4156	38.6	464.9	60.1	0.0	503.5	1	
1A	144	-2477	-607	17	0	36	995	34.1	139.3	22.7	0.0	173.4	1	
1B	144	-2477	-369	17	0	36	462	34.1	80.4	13.8	0.0	114.5	1	
1C	144	-2477	-607	-17	0	-32	995	34.1	136.4	22.7	0.0	170.4	1	
1D	144	-2477	-369	-17	0	-32	462	34.1	77.5	13.8	0.0	111.5	1	
1E	144	3620	-607	17	0	36	995	49.8	139.3	22.7	0.0	189.1	1	
1F	144	3620	-369	17	0	36	462	49.8	80.4	13.8	0.0	130.2	1	
1G	144	3620	-607	-17	0	-32	995	49.8	136.4	22.7	0.0	186.2	1	
1H	144	3620	-369	-17	0	-32	462	49.8	77.5	13.8	0.0	127.3	1	
1I	144	-2556	-644	10	0	17	1259	35.2	153.6	24.1	0.0	188.7	1	
1J	144	-2556	-333	10	0	17	197	35.2	36.1	12.4	0.0	71.2	1	
1K	144	-2556	-644	-10	0	-14	1259	35.2	150.6	24.1	0.0	185.8	1	
1L	144	-2556	-333	-10	0	-14	197	35.2	33.1	12.4	0.0	68.3	1	
1M	144	3700	-644	10	0	17	1259	50.9	153.6	24.1	0.0	204.5	1	
1N	144	3700	-333	10	0	17	197	50.9	36.1	12.4	0.0	87.0	1	
1O	144	3700	-644	-10	0	-14	1259	50.9	150.6	24.1	0.0	201.5	1	

1P	144	3700	-333	-10	0	-14	197	50.9	33.1	12.4	0.0	84.0	1
2	144	3762	-2112	0	0	7	3814	51.7	428.0	79.0	0.0	479.8	1
7	144	3256	-1657	-0	0	7	3027	44.8	340.5	62.0	0.0	385.3	1
8	144	2807	-1661	1	0	6	2981	38.6	334.5	62.1	0.0	373.1	1

ASTA NUM. 143 NI 850 NF 849 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1993	-764	22	0	39	995	27.4	142.1	28.6	0.0	169.5	1	
1B	0	-1993	-488	22	0	39	462	27.4	83.1	18.2	0.0	110.6	1	
1C	0	-1993	-764	-17	0	-34	995	27.4	137.9	28.6	0.0	165.3	1	
1D	0	-1993	-488	-17	0	-34	462	27.4	79.0	18.2	0.0	106.4	1	
1E	0	2214	-764	22	0	39	995	30.5	142.1	28.6	0.0	172.5	1	
1F	0	2214	-488	22	0	39	462	30.5	83.1	18.2	0.0	113.6	1	
1G	0	2214	-764	-17	0	-34	995	30.5	137.9	28.6	0.0	168.4	1	
1H	0	2214	-488	-17	0	-34	462	30.5	79.0	18.2	0.0	109.4	1	
1I	0	-3820	-789	15	0	19	1260	52.5	154.5	29.5	0.0	207.1	1	
1J	0	-3820	-462	15	0	19	197	52.5	37.0	17.3	0.0	89.6	1	
1K	0	-3820	-789	-10	0	-14	1260	52.5	150.4	29.5	0.0	202.9	1	
1L	0	-3820	-462	-10	0	-14	197	52.5	32.9	17.3	0.0	85.4	1	
1M	0	4041	-789	15	0	19	1260	55.6	154.5	29.5	0.0	210.1	1	
1N	0	4041	-462	15	0	19	197	55.6	37.0	17.3	0.0	92.6	1	
1O	0	4041	-789	-10	0	-14	1260	55.6	150.4	29.5	0.0	206.0	1	
1P	0	4041	-462	-10	0	-14	197	55.6	32.9	17.3	0.0	88.5	1	
2	0	1962	-3043	11	0	7	3815	27.0	427.9	113.8	0.0	454.9	1	
7	0	1949	-2361	10	0	5	3028	26.8	339.4	88.3	0.0	366.2	1	
8	0	1341	-2366	9	0	6	2981	18.4	334.8	88.5	0.0	353.3	1	
1A	72	-1994	-805	22	0	26	538	27.4	81.1	30.1	0.0	108.5	1	
1B	72	-1994	-529	22	0	26	-10	27.4	22.7	19.8	0.0	50.1	1	
1C	72	-1994	-805	-17	0	-25	538	27.4	79.6	30.1	0.0	107.0	1	
1D	72	-1994	-529	-17	0	-25	-10	27.4	21.2	19.8	0.0	48.6	1	
1E	72	2213	-805	22	0	26	538	30.4	81.1	30.1	0.0	111.5	1	
1F	72	2213	-529	22	0	26	-10	30.4	22.7	19.8	0.0	53.1	1	
1G	72	2213	-805	-17	0	-25	538	30.4	79.6	30.1	0.0	110.0	1	
1H	72	2213	-529	-17	0	-25	-10	30.4	21.2	19.8	0.0	51.6	1	
1I	72	-3821	-830	15	0	1	884	52.6	98.7	31.1	0.0	151.3	1	
1J	72	-3821	-503	15	0	1	-357	52.6	40.4	18.8	0.0	92.9	1	
1K	72	-3821	-830	-10	0	1	884	52.6	98.5	31.1	0.0	151.0	1	
1L	72	-3821	-503	-10	0	1	-357	52.6	40.1	18.8	0.0	92.7	3	
1M	72	4040	-830	15	0	1	884	55.6	98.7	31.1	0.0	154.3	1	
1N	72	4040	-503	15	0	1	-357	55.6	40.4	18.8	0.0	95.9	1	
1O	72	4040	-830	-10	0	1	884	55.6	98.5	31.1	0.0	154.0	1	
1P	72	4040	-503	-10	0	1	-357	55.6	40.1	18.8	0.0	95.6	1	
2	72	1960	-3096	11	0	-1	1608	27.0	178.6	115.8	0.0	246.7	3	
7	72	1948	-2414	10	0	-2	1311	26.8	146.6	90.3	0.0	201.6	3	
8	72	1340	-2419	9	0	0	1261	18.4	139.5	90.5	0.0	191.0	3	
1A	144	-1995	-846	22	0	14	51	27.4	16.8	31.6	0.0	61.5	4	
1B	144	-1995	-570	22	0	14	-511	27.4	67.7	21.3	0.0	95.2	1	
1C	144	-1995	-846	-17	0	-15	51	27.4	17.9	31.6	0.0	61.5	4	
1D	144	-1995	-570	-17	0	-15	-511	27.4	68.9	21.3	0.0	96.3	1	
1E	144	2212	-846	22	0	14	51	30.4	16.8	31.6	0.0	62.9	4	
1F	144	2212	-570	22	0	14	-511	30.4	67.7	21.3	0.0	98.1	1	
1G	144	2212	-846	-17	0	-15	51	30.4	17.9	31.6	0.0	63.0	4	
1H	144	2212	-570	-17	0	-15	-511	30.4	68.9	21.3	0.0	99.3	1	
1I	144	-3822	-871	15	0	-16	480	52.6	66.5	32.6	0.0	119.1	1	
1J	144	-3822	-544	15	0	-16	-940	52.6	117.4	20.3	0.0	170.0	1	
1K	144	-3822	-871	-10	0	15	480	52.6	65.3	32.6	0.0	117.9	1	
1L	144	-3822	-544	-10	0	15	-940	52.6	116.3	20.3	0.0	168.8	1	
1M	144	4039	-871	15	0	-16	480	55.6	66.5	32.6	0.0	122.1	1	
1N	144	4039	-544	15	0	-16	-940	55.6	117.4	20.3	0.0	173.0	1	
1O	144	4039	-871	-10	0	15	480	55.6	65.3	32.6	0.0	120.9	1	
1P	144	4039	-544	-10	0	15	-940	55.6	116.3	20.3	0.0	171.8	1	
2	144	1959	-3150	11	0	-9	-638	26.9	78.0	117.8	0.0	205.9	4	
7	144	1946	-2467	10	0	-9	-443	26.8	56.5	92.3	0.0	162.1	4	
8	144	1338	-2472	9	0	-6	-497	18.4	60.0	92.5	0.0	161.2	4	

ASTA NUM. 144 NI 849 NF 858 Lungh. 143.8 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2521	-996	131	0	21	51	34.7	22.6	37.3	0.0	73.6	4	
1B	0	-2521	-693	131	0	21	-511	34.7	73.5	25.9	0.0	108.2	1	
1C	0	-2521	-996	-123	0	-21	51	34.7	22.5	37.3	0.0	73.6	4	
1D	0	-2521	-693	-123	0	-21	-511	34.7	73.4	25.9	0.0	108.1	1	
1E	0	1837	-996	131	0	21	51	25.3	22.6	37.3	0.0	69.6	4	
1F	0	1837	-693	131	0	21	-511	25.3	73.5	25.9	0.0	98.8	1	
1G	0	1837	-996	-123	0	-21	51	25.3	22.5	37.3	0.0	69.6	4	
1H	0	1837	-693	-123	0	-21	-511	25.3	73.4	25.9	0.0	98.7	1	
1I	0	-4958	-1015	306	0	26	480	68.2	74.3	37.9	0.0	142.5	1	
1J	0	-4958	-675	306	0	26	-940	68.2	125.2	25.3	0.0	193.4	1	
1K	0	-4958	-1015	-298	0	-26	480	68.2	74.2	37.9	0.0	142.4	1	

1L	0	-4958	-675	-298	0	-26	-940	68.2	125.2	25.3	0.0	193.4	1
1M	0	4273	-1015	306	0	26	480	58.8	74.3	37.9	0.0	133.1	1
1N	0	4273	-675	306	0	26	-940	58.8	125.2	25.3	0.0	184.0	1
1O	0	4273	-1015	-298	0	-26	480	58.8	74.2	37.9	0.0	133.0	1
1P	0	4273	-675	-298	0	-26	-940	58.8	125.2	25.3	0.0	183.9	1
2	0	150	-4082	-77	0	-10	-638	2.1	78.3	152.7	0.0	264.5	4
7	0	593	-3172	-89	0	-11	-443	8.2	57.8	118.6	0.0	205.7	4
8	0	-120	-3178	-45	0	-6	-497	1.7	59.7	118.9	0.0	205.9	4
1A	72	-2522	-1037	131	0	-75	-475	34.7	113.5	38.8	0.0	148.2	1
1B	72	-2522	-734	131	0	-75	-1229	34.7	197.0	27.5	0.0	231.7	1
1C	72	-2522	-1037	-123	0	69	-475	34.7	109.0	38.8	0.0	143.7	1
1D	72	-2522	-734	-123	0	69	-1229	34.7	192.4	27.5	0.0	227.1	1
1E	72	1836	-1037	131	0	-75	-475	25.2	113.5	38.8	0.0	138.8	1
1F	72	1836	-734	131	0	-75	-1229	25.2	197.0	27.5	0.0	222.2	1
1G	72	1836	-1037	-123	0	69	-475	25.2	109.0	38.8	0.0	134.2	1
1H	72	1836	-734	-123	0	69	-1229	25.2	192.4	27.5	0.0	217.6	1
1I	72	-4959	-1056	306	0	-196	-25	68.2	162.4	39.5	0.0	230.6	1
1J	72	-4959	-716	306	0	-196	-1680	68.2	345.5	26.8	0.0	413.7	1
1K	72	-4959	-1056	-298	0	190	-25	68.2	157.8	39.5	0.0	226.0	1
1L	72	-4959	-716	-298	0	190	-1680	68.2	340.9	26.8	0.0	409.1	1
1M	72	4272	-1056	306	0	-196	-25	58.8	162.4	39.5	0.0	221.1	1
1N	72	4272	-716	306	0	-196	-1680	58.8	345.5	26.8	0.0	404.2	1
1O	72	4272	-1056	-298	0	190	-25	58.8	157.8	39.5	0.0	216.6	1
1P	72	4272	-716	-298	0	190	-1680	58.8	340.9	26.8	0.0	399.6	1
2	72	149	-4135	-77	0	46	-3592	2.0	434.8	154.7	0.0	436.9	1
7	72	591	-3225	-89	0	53	-2743	8.1	347.0	120.6	0.0	355.2	1
8	72	-122	-3232	-45	0	27	-2801	1.7	331.6	120.9	0.0	333.3	1
1A	144	-2523	-1078	131	0	-170	-1031	34.7	252.9	40.3	0.0	287.6	1
1B	144	-2523	-775	131	0	-170	-1977	34.7	357.6	29.0	0.0	392.3	1
1C	144	-2523	-1078	-123	0	159	-1031	34.7	243.7	40.3	0.0	278.4	1
1D	144	-2523	-775	-123	0	159	-1977	34.7	348.4	29.0	0.0	383.1	1
1E	144	1835	-1078	131	0	-170	-1031	25.2	252.9	40.3	0.0	278.1	1
1F	144	1835	-775	131	0	-170	-1977	25.2	357.6	29.0	0.0	382.8	1
1G	144	1835	-1078	-123	0	159	-1031	25.2	243.7	40.3	0.0	268.9	1
1H	144	1835	-775	-123	0	159	-1977	25.2	348.4	29.0	0.0	373.6	1
1I	144	-4960	-1097	306	0	-418	-559	68.2	402.3	41.0	0.0	470.5	1
1J	144	-4960	-757	306	0	-418	-2449	68.2	611.3	28.3	0.0	679.5	1
1K	144	-4960	-1097	-298	0	406	-559	68.2	393.1	41.0	0.0	461.3	1
1L	144	-4960	-757	-298	0	406	-2449	68.2	602.1	28.3	0.0	670.3	1
1M	144	4271	-1097	306	0	-418	-559	58.8	402.3	41.0	0.0	461.1	1
1N	144	4271	-757	306	0	-418	-2449	58.8	611.3	28.3	0.0	670.1	1
1O	144	4271	-1097	-298	0	406	-559	58.8	393.1	41.0	0.0	451.8	1
1P	144	4271	-757	-298	0	406	-2449	58.8	602.1	28.3	0.0	660.8	1
2	144	147	-4188	-77	0	101	-6584	2.0	811.0	156.7	0.0	813.1	1
7	144	590	-3278	-89	0	118	-5081	8.1	658.0	122.6	0.0	666.2	1
8	144	-123	-3285	-45	0	59	-5144	1.7	617.3	122.9	0.0	619.0	1

ASTA NUM. 145 NI 858 NF 411 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3625	-1210	1259	0	156	-1031	49.9	241.0	45.3	0.0	290.9	1	
1B	0	-3625	-904	1259	0	156	-1977	49.9	345.7	43.7	0.0	395.6	1	
1C	0	-3625	-1210	-911	0	-166	-1031	49.9	249.3	45.3	0.0	299.2	1	
1D	0	-3625	-904	-911	0	-166	-1977	49.9	354.0	33.8	0.0	403.9	1	
1E	0	2494	-1210	1259	0	156	-1031	34.3	241.0	45.3	0.0	275.3	1	
1F	0	2494	-904	1259	0	156	-1977	34.3	345.7	43.7	0.0	380.0	1	
1G	0	2494	-1210	-911	0	-166	-1031	34.3	249.3	45.3	0.0	283.6	1	
1H	0	2494	-904	-911	0	-166	-1977	34.3	354.0	33.8	0.0	388.3	1	
1I	0	-5404	-1227	2000	0	402	-559	74.3	389.7	69.5	0.0	464.0	1	
1J	0	-5404	-887	2000	0	402	-2449	74.3	598.8	69.5	0.0	673.1	1	
1K	0	-5404	-1227	-1651	0	-412	-559	74.3	398.0	57.3	0.0	472.3	1	
1L	0	-5404	-887	-1651	0	-412	-2449	74.3	607.0	57.3	0.0	681.4	1	
1M	0	4272	-1227	2000	0	402	-559	58.8	389.7	69.5	0.0	448.5	1	
1N	0	4272	-887	2000	0	402	-2449	58.8	598.8	69.5	0.0	657.6	1	
1O	0	4272	-1227	-1651	0	-412	-559	58.8	398.0	57.3	0.0	456.7	1	
1P	0	4272	-887	-1651	0	-412	-2449	58.8	607.0	57.3	0.0	665.8	1	
2	0	-847	-5099	1190	0	103	-6586	11.6	812.2	190.7	0.0	823.9	1	
7	0	-183	-3966	1021	0	118	-5082	2.5	658.5	148.3	0.0	661.0	1	
8	0	-906	-3972	876	0	60	-5145	12.5	618.4	148.6	0.0	630.8	1	
1A	12	-3625	-1217	1259	0	-55	-1145	49.9	171.6	45.5	0.0	221.4	1	
1B	12	-3625	-911	1259	0	-55	-2128	49.9	280.4	43.7	0.0	330.2	1	
1C	12	-3625	-1217	-911	0	1	-1145	49.9	127.8	45.5	0.0	186.5	3	
1D	12	-3625	-911	-911	0	1	-2128	49.9	236.6	34.1	0.0	286.5	1	
1E	12	2494	-1217	1259	0	-55	-1145	34.3	171.6	45.5	0.0	205.9	1	
1F	12	2494	-911	1259	0	-55	-2128	34.3	280.4	43.7	0.0	314.7	1	
1G	12	2494	-1217	-911	0	1	-1145	34.3	127.8	45.5	0.0	172.7	3	
1H	12	2494	-911	-911	0	1	-2128	34.3	236.6	34.1	0.0	270.9	1	
1I	12	-5404	-1234	2000	0	87	-671	74.3	145.0	69.5	0.0	219.3	1	
1J	12	-5404	-894	2000	0	87	-2602	74.3	358.7	69.5	0.0	433.0	1	
1K	12	-5404	-1234	-1651	0	-141	-671	74.3	188.7	57.3	0.0	263.1	1	
1L	12	-5404	-894	-1651	0	-141	-2602	74.3	402.4	57.3	0.0	476.8	1	
1M	12	4272	-1234	2000	0	87	-671	58.8	145.0	69.5	0.0	203.7	1	
1N	12	4272	-894	2000	0	87	-2602	58.8	358.7	69.5	0.0	417.4	1	
1O	12	4272	-1234	-1651	0	-141	-671	58.8	188.7	57.3	0.0	247.5	1	
1P	12	4272	-894	-1651	0	-141	-2602	58.8	402.4	57.3	0.0	461.2	1	
2	12	-847	-5108	1190	0	-46	-7224	11.6	836.8	191.1	0.0	848.5	1	
7	12	-183	-3975	1021	0	-10	-5578	2.5	624.9	148.7	0.0	627.4	1	

8	12	-906	-3982	876	0	-49	-5642	12.5	664.2	148.9	0.0	676.7	1
1A	25	-3625	-1224	1259	0	-266	-1260	49.9	356.2	45.8	0.0	406.1	1
1B	25	-3625	-918	1259	0	-266	-2280	49.9	469.1	43.7	0.0	519.0	1
1C	25	-3625	-1224	-911	0	169	-1260	49.9	276.9	45.8	0.0	326.8	1
1D	25	-3625	-918	-911	0	169	-2280	49.9	389.8	34.3	0.0	439.7	1
1E	25	2493	-1224	1259	0	-266	-1260	34.3	356.2	45.8	0.0	390.5	1
1F	25	2493	-918	1259	0	-266	-2280	34.3	469.1	43.7	0.0	503.4	1
1G	25	2493	-1224	-911	0	169	-1260	34.3	276.9	45.8	0.0	311.2	1
1H	25	2493	-918	-911	0	169	-2280	34.3	389.8	34.3	0.0	424.1	1
1I	25	-5404	-1241	2000	0	-229	-783	74.3	273.0	69.5	0.0	347.3	1
1J	25	-5404	-901	2000	0	-229	-2757	74.3	491.3	69.5	0.0	565.6	1
1K	25	-5404	-1241	-1651	0	131	-783	74.3	193.7	57.3	0.0	268.0	1
1L	25	-5404	-901	-1651	0	131	-2757	74.3	412.0	57.3	0.0	486.3	1
1M	25	4272	-1241	2000	0	-229	-783	58.8	273.0	69.5	0.0	331.8	1
1N	25	4272	-901	2000	0	-229	-2757	58.8	491.3	69.5	0.0	550.1	1
1O	25	4272	-1241	-1651	0	131	-783	58.8	193.7	57.3	0.0	252.5	1
1P	25	4272	-901	-1651	0	131	-2757	58.8	412.0	57.3	0.0	470.8	1
2	25	-847	-5117	1190	0	-195	-7863	11.7	1028.7	191.4	0.0	1040.4	1
7	25	-184	-3984	1021	0	-137	-6076	2.5	783.9	149.0	0.0	786.5	1
8	25	-907	-3991	876	0	-159	-6140	12.5	808.5	149.3	0.0	821.0	1

ASTA NUM. 146 NI 790 NF 680 Lungh. 25.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5705 0.5705 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1958	-1042	1005	0	227	249	26.9	212.3	39.0	0.0	239.2	1	
1B	0	-1958	-581	1005	0	227	141	26.9	200.2	34.9	0.0	227.2	1	
1C	0	-1958	-1042	-1081	0	-237	249	26.9	221.1	39.0	0.0	248.1	1	
1D	0	-1958	-581	-1081	0	-237	141	26.9	209.1	37.5	0.0	236.1	1	
1E	0	1653	-1042	1005	0	227	249	22.7	212.3	39.0	0.0	235.0	1	
1F	0	1653	-581	1005	0	227	141	22.7	200.2	34.9	0.0	223.0	1	
1G	0	1653	-1042	-1081	0	-237	249	22.7	221.1	39.0	0.0	243.9	1	
1H	0	1653	-581	-1081	0	-237	141	22.7	209.1	37.5	0.0	231.9	1	
1I	0	-4220	-907	753	0	579	222	58.0	496.3	33.9	0.0	554.3	1	
1J	0	-4220	-716	753	0	579	168	58.0	490.4	26.8	0.0	548.4	1	
1K	0	-4220	-907	-828	0	-590	222	58.0	505.2	33.9	0.0	563.2	1	
1L	0	-4220	-716	-828	0	-590	168	58.0	499.3	28.8	0.0	557.3	1	
1M	0	3914	-907	753	0	579	222	53.8	496.3	33.9	0.0	550.1	1	
1N	0	3914	-716	753	0	579	168	53.8	490.4	26.8	0.0	544.2	1	
1O	0	3914	-907	-828	0	-590	222	53.8	505.2	33.9	0.0	559.0	1	
1P	0	3914	-716	-828	0	-590	168	53.8	499.3	28.8	0.0	553.1	1	
2	0	-1740	-4038	-338	0	-170	969	23.9	246.1	151.0	0.0	270.0	1	
7	0	-1716	-3150	-289	0	-175	757	23.6	226.7	117.8	0.0	250.3	1	
8	0	-1187	-3144	-247	0	-111	755	16.3	173.7	117.6	0.0	204.7	4	
1A	12	-1958	-1049	1005	0	317	117	26.9	271.6	39.2	0.0	298.5	1	
1B	12	-1958	-588	1005	0	317	69	26.9	266.2	34.9	0.0	293.2	1	
1C	12	-1958	-1049	-1081	0	-319	117	26.9	272.8	39.2	0.0	299.7	1	
1D	12	-1958	-588	-1081	0	-319	69	26.9	267.4	37.5	0.0	294.4	1	
1E	12	1653	-1049	1005	0	317	117	22.7	271.6	39.2	0.0	294.3	1	
1F	12	1653	-588	1005	0	317	69	22.7	266.2	34.9	0.0	289.0	1	
1G	12	1653	-1049	-1081	0	-319	117	22.7	272.8	39.2	0.0	295.5	1	
1H	12	1653	-588	-1081	0	-319	69	22.7	267.4	37.5	0.0	290.2	1	
1I	12	-4220	-914	753	0	554	110	58.0	463.3	34.2	0.0	521.4	1	
1J	12	-4220	-723	753	0	554	77	58.0	459.7	27.1	0.0	517.7	1	
1K	12	-4220	-914	-828	0	-555	110	58.0	464.5	34.2	0.0	522.6	1	
1L	12	-4220	-723	-828	0	-555	77	58.0	460.9	28.8	0.0	518.9	1	
1M	12	3914	-914	753	0	554	110	53.8	463.3	34.2	0.0	517.2	1	
1N	12	3914	-723	753	0	554	77	53.8	459.7	27.1	0.0	513.5	1	
1O	12	3914	-914	-828	0	-555	110	53.8	464.5	34.2	0.0	518.4	1	
1P	12	3914	-723	-828	0	-555	77	53.8	460.9	28.8	0.0	514.7	1	
2	12	-1740	-4047	-338	0	-128	464	23.9	155.8	151.4	0.0	263.8	4	
7	12	-1716	-3160	-289	0	-139	362	23.6	153.6	118.2	0.0	206.7	4	
8	12	-1187	-3153	-247	0	-80	361	16.3	105.0	117.9	0.0	205.2	4	
1A	25	-1958	-1056	1005	0	408	-16	26.9	334.2	39.5	0.0	361.2	1	
1B	25	-1958	-595	1005	0	408	-3	26.9	332.9	34.9	0.0	359.8	1	
1C	25	-1958	-1056	-1081	0	-400	-16	26.9	327.7	39.5	0.0	354.7	1	
1D	25	-1958	-595	-1081	0	-400	-3	26.9	326.4	37.5	0.0	353.3	1	
1E	25	1652	-1056	1005	0	408	-16	22.7	334.2	39.5	0.0	357.0	1	
1F	25	1652	-595	1005	0	408	-3	22.7	332.9	34.9	0.0	355.6	1	
1G	25	1652	-1056	-1081	0	-400	-16	22.7	327.7	39.5	0.0	350.5	1	
1H	25	1652	-595	-1081	0	-400	-3	22.7	326.4	37.5	0.0	349.1	1	
1I	25	-4220	-921	753	0	528	-3	58.0	431.0	34.4	0.0	489.1	1	
1J	25	-4220	-731	753	0	528	-16	58.0	432.4	27.3	0.0	490.4	1	
1K	25	-4220	-921	-828	0	-520	-3	58.0	424.5	34.4	0.0	482.6	1	
1L	25	-4220	-731	-828	0	-520	-16	58.0	425.9	28.8	0.0	483.9	1	
1M	25	3914	-921	753	0	528	-3	53.8	431.0	34.4	0.0	484.9	1	
1N	25	3914	-731	753	0	528	-16	53.8	432.4	27.3	0.0	486.2	1	
1O	25	3914	-921	-828	0	-520	-3	53.8	424.5	34.4	0.0	478.4	1	
1P	25	3914	-731	-828	0	-520	-16	53.8	425.9	28.8	0.0	479.7	1	
2	25	-1740	-4056	-338	0	-86	-43	23.9	74.8	151.7	0.0	264.2	4	
7	25	-1716	-3169	-289	0	-103	-33	23.6	87.7	118.5	0.0	207.2	4	
8	25	-1187	-3162	-247	0	-49	-33	16.3	43.6	118.3	0.0	205.7	4	

AMV s.r.l.
Via San Lorenzo, 106 Tel. 0481/779903
34077 Ronchi dei Legionari (GO)

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **3** Descrizione: **Travi e mensole basse per scorrimento**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 589 NF 590 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1574	-117	943	0	719	116	14.9	232.3	17.3	0.0	247.1	1	
1B	0	-1574	665	943	0	719	-382	14.9	260.6	30.0	0.0	275.5	1	
1C	0	-1574	-117	-331	0	-259	116	14.9	91.5	6.1	0.0	106.4	1	
1D	0	-1574	665	-331	0	-259	-382	14.9	119.9	30.0	0.0	134.8	1	
1E	0	438	-117	943	0	719	116	4.1	232.3	17.3	0.0	236.4	1	
1F	0	438	665	943	0	719	-382	4.1	260.6	30.0	0.0	264.8	1	
1G	0	438	-117	-331	0	-259	116	4.1	91.5	6.1	0.0	95.7	1	
1H	0	438	665	-331	0	-259	-382	4.1	119.9	30.0	0.0	124.0	1	
1I	0	-1676	104	1087	0	732	127	15.8	237.6	20.0	0.0	253.4	1	
1J	0	-1676	445	1087	0	732	-393	15.8	266.0	20.1	0.0	281.8	1	
1K	0	-1676	104	-475	0	-272	127	15.8	96.9	8.7	0.0	112.7	1	
1L	0	-1676	445	-475	0	-272	-393	15.8	125.3	20.1	0.0	141.1	1	
1M	0	540	104	1087	0	732	127	5.1	237.6	20.0	0.0	242.7	1	
1N	0	540	445	1087	0	732	-393	5.1	266.0	20.1	0.0	271.1	1	
1O	0	540	104	-475	0	-272	127	5.1	96.9	8.7	0.0	102.0	1	
1P	0	540	445	-475	0	-272	-393	5.1	125.3	20.1	0.0	130.4	1	
2	0	-1017	821	669	0	416	-245	9.6	153.4	37.0	0.0	163.0	1	
7	0	-753	669	457	0	302	-182	7.1	111.9	30.2	0.0	119.0	1	
8	0	-993	710	632	0	407	-238	9.4	149.8	32.0	0.0	159.2	1	
1A	75	-1574	-179	943	0	8	563	14.9	62.5	17.3	0.0	77.4	1	
1B	75	-1574	603	943	0	8	-465	14.9	52.1	27.2	0.0	77.4	3	
1C	75	-1574	-179	-331	0	-8	563	14.9	62.4	8.1	0.0	77.2	1	
1D	75	-1574	603	-331	0	-8	-465	14.9	51.9	27.2	0.0	72.1	3	
1E	75	438	-179	943	0	8	563	4.1	62.5	17.3	0.0	66.7	1	
1F	75	438	603	943	0	8	-465	4.1	52.1	27.2	0.0	69.8	3	
1G	75	438	-179	-331	0	-8	563	4.1	62.4	8.1	0.0	66.5	1	
1H	75	438	603	-331	0	-8	-465	4.1	51.9	27.2	0.0	63.8	3	
1I	75	-1676	41	1087	0	-92	358	15.8	66.4	20.0	0.0	82.2	1	
1J	75	-1676	382	1087	0	-92	-260	15.8	55.9	20.0	0.0	71.7	1	
1K	75	-1676	41	-475	0	93	358	15.8	66.6	8.7	0.0	82.4	1	
1L	75	-1676	382	-475	0	93	-260	15.8	56.1	17.2	0.0	71.9	1	
1M	75	540	41	1087	0	-92	358	5.1	66.4	20.0	0.0	71.5	1	
1N	75	540	382	1087	0	-92	-260	5.1	55.9	20.0	0.0	61.0	1	
1O	75	540	41	-475	0	93	358	5.1	66.6	8.7	0.0	71.7	1	
1P	75	540	382	-475	0	93	-260	5.1	56.1	17.2	0.0	61.2	1	
2	75	-1017	740	669	0	-85	340	9.6	62.4	33.4	0.0	72.0	1	
7	75	-753	588	457	0	-41	289	7.1	43.3	26.5	0.0	55.4	3	
8	75	-993	629	632	0	-67	264	9.4	48.6	28.4	0.0	59.3	3	
1A	150	-1574	-242	943	0	-702	963	14.9	317.5	17.3	0.0	332.3	1	
1B	150	-1574	541	943	0	-702	-594	14.9	278.1	24.4	0.0	293.0	1	
1C	150	-1574	-242	-331	0	243	963	14.9	177.1	10.9	0.0	192.0	1	
1D	150	-1574	541	-331	0	243	-594	14.9	137.8	24.4	0.0	152.6	1	
1E	150	438	-242	943	0	-702	963	4.1	317.5	17.3	0.0	321.6	1	
1F	150	438	541	943	0	-702	-594	4.1	278.1	24.4	0.0	282.2	1	
1G	150	438	-242	-331	0	243	963	4.1	177.1	10.9	0.0	181.3	1	
1H	150	438	541	-331	0	243	-594	4.1	137.8	24.4	0.0	141.9	1	
1I	150	-1676	-21	1087	0	-917	542	15.8	338.3	20.0	0.0	354.1	1	
1J	150	-1676	320	1087	0	-917	-173	15.8	299.0	20.0	0.0	314.8	1	
1K	150	-1676	-21	-475	0	458	542	15.8	198.0	8.7	0.0	213.8	1	
1L	150	-1676	320	-475	0	458	-173	15.8	158.6	14.4	0.0	174.4	1	
1M	150	540	-21	1087	0	-917	542	5.1	338.3	20.0	0.0	343.4	1	
1N	150	540	320	1087	0	-917	-173	5.1	299.0	20.0	0.0	304.1	1	
1O	150	540	-21	-475	0	458	542	5.1	198.0	8.7	0.0	203.1	1	
1P	150	540	320	-475	0	458	-173	5.1	158.6	14.4	0.0	163.7	1	
2	150	-1017	659	669	0	-587	864	9.6	271.7	29.7	0.0	281.3	1	
7	150	-753	507	457	0	-384	700	7.1	191.9	22.9	0.0	199.0	1	
8	150	-993	548	632	0	-541	705	9.4	240.5	24.7	0.0	249.9	1	

ASTA NUM. 2 NI 588 NF 587 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-701	-270	33	0	23	39	6.6	11.1	12.2	0.0	22.2	4
1B	0	-701	610	33	0	23	-150	6.6	23.0	27.5	0.0	48.2	4
1C	0	-701	-270	-419	0	-225	39	6.6	72.9	12.2	0.0	79.5	1
1D	0	-701	610	-419	0	-225	-150	6.6	84.7	27.5	0.0	91.3	1
1E	0	239	-270	33	0	23	39	2.3	11.1	12.2	0.0	21.2	4
1F	0	239	610	33	0	23	-150	2.3	23.0	27.5	0.0	47.7	4
1G	0	239	-270	-419	0	-225	39	2.3	72.9	12.2	0.0	75.1	1
1H	0	239	610	-419	0	-225	-150	2.3	84.7	27.5	0.0	87.0	1
1I	0	-770	-56	292	0	118	64	7.3	42.8	5.4	0.0	50.1	1
1J	0	-770	396	292	0	118	-176	7.3	54.7	17.9	0.0	61.9	1
1K	0	-770	-56	-678	0	-319	64	7.3	104.5	12.5	0.0	111.8	1
1L	0	-770	396	-678	0	-319	-176	7.3	116.4	17.9	0.0	123.7	1
1M	0	308	-56	292	0	118	64	2.9	42.8	5.4	0.0	45.7	1
1N	0	308	396	292	0	118	-176	2.9	54.7	17.9	0.0	57.6	1
1O	0	308	-56	-678	0	-319	64	2.9	104.5	12.5	0.0	107.4	1
1P	0	308	396	-678	0	-319	-176	2.9	116.4	17.9	0.0	119.3	1
2	0	-1170	604	-1037	0	-526	-281	11.0	190.7	27.2	0.0	201.8	1
7	0	-1028	511	-913	0	-464	-247	9.7	168.2	23.1	0.0	177.9	1
8	0	-871	466	-766	0	-389	-209	8.2	141.4	21.0	0.0	149.6	1
1A	75	-701	-332	33	0	-18	-211	6.6	28.0	15.0	0.0	35.0	3
1B	75	-701	548	33	0	-18	309	6.6	38.4	24.7	0.0	52.0	3
1C	75	-701	-332	-419	0	106	-211	6.6	54.8	15.0	0.0	61.4	1
1D	75	-701	548	-419	0	106	309	6.6	65.2	24.7	0.0	71.8	1
1E	75	239	-332	33	0	-18	-211	2.3	28.0	15.0	0.0	31.9	3
1F	75	239	548	33	0	-18	309	2.3	38.4	24.7	0.0	49.1	3
1G	75	239	-332	-419	0	106	-211	2.3	54.8	15.0	0.0	57.1	1
1H	75	239	548	-419	0	106	309	2.3	65.2	24.7	0.0	67.4	1
1I	75	-770	-118	292	0	-108	288	7.3	63.7	5.4	0.0	70.9	1
1J	75	-770	334	292	0	-108	-190	7.3	53.3	15.1	0.0	60.6	1
1K	75	-770	-118	-678	0	196	288	7.3	90.5	12.5	0.0	97.8	1
1L	75	-770	334	-678	0	196	-190	7.3	80.1	15.1	0.0	87.4	1
1M	75	308	-118	292	0	-108	288	2.9	63.7	5.4	0.0	66.6	1
1N	75	308	334	292	0	-108	-190	2.9	53.3	15.1	0.0	56.2	1
1O	75	308	-118	-678	0	196	288	2.9	90.5	12.5	0.0	93.4	1
1P	75	308	334	-678	0	196	-190	2.9	80.1	15.1	0.0	83.0	1
2	75	-1170	523	-1037	0	252	141	11.0	92.2	23.6	0.0	103.3	1
7	75	-1028	430	-913	0	221	106	9.7	78.8	19.4	0.0	88.5	1
8	75	-871	385	-766	0	185	110	8.2	68.4	17.4	0.0	76.6	1
1A	150	-701	-394	33	0	-59	-508	6.6	72.1	17.8	0.0	78.7	1
1B	150	-701	485	33	0	-59	721	6.6	94.7	21.9	0.0	101.3	1
1C	150	-701	-394	-419	0	436	-508	6.6	187.5	17.8	0.0	194.1	1
1D	150	-701	485	-419	0	436	721	6.6	210.1	21.9	0.0	216.7	1
1E	150	239	-394	33	0	-59	-508	2.3	72.1	17.8	0.0	74.3	1
1F	150	239	485	33	0	-59	721	2.3	94.7	21.9	0.0	97.0	1
1G	150	239	-394	-419	0	436	-508	2.3	187.5	17.8	0.0	189.7	1
1H	150	239	485	-419	0	436	721	2.3	210.1	21.9	0.0	212.4	1
1I	150	-770	-180	292	0	-333	464	7.3	151.4	8.1	0.0	158.7	1
1J	150	-770	271	292	0	-333	-251	7.3	128.8	12.2	0.0	136.1	1
1K	150	-770	-180	-678	0	711	464	7.3	266.8	12.5	0.0	274.1	1
1L	150	-770	271	-678	0	711	-251	7.3	244.2	12.5	0.0	251.5	1
1M	150	308	-180	292	0	-333	464	2.9	151.4	8.1	0.0	154.3	1
1N	150	308	271	292	0	-333	-251	2.9	128.8	12.2	0.0	131.7	1
1O	150	308	-180	-678	0	711	464	2.9	266.8	12.5	0.0	269.7	1
1P	150	308	271	-678	0	711	-251	2.9	244.2	12.5	0.0	247.1	1
2	150	-1170	442	-1037	0	1030	503	11.0	368.7	19.9	0.0	379.7	1
7	150	-1028	349	-913	0	905	399	9.7	319.4	16.8	0.0	329.1	1
8	150	-871	304	-766	0	760	368	8.2	271.7	14.1	0.0	280.0	1

ASTA NUM. 3 NI 600 NF 574 Lungh. 1270.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	2253	276	64	0	359	46	28.8	187.2	16.7	0.0	216.1	1	
1B	0	2253	439	64	0	359	-965	28.8	348.4	26.5	0.0	377.3	1	
1C	0	2253	276	-48	0	-263	46	28.8	139.4	16.7	0.0	168.2	1	
1D	0	2253	439	-48	0	-263	-965	28.8	300.6	26.5	0.0	329.4	1	
1E	0	4357	276	64	0	359	46	55.8	187.2	16.7	0.0	243.0	1	
1F	0	4357	439	64	0	359	-965	55.8	348.4	26.5	0.0	404.2	1	
1G	0	4357	276	-48	0	-263	46	55.8	139.4	16.7	0.0	195.2	1	
1H	0	4357	439	-48	0	-263	-965	55.8	300.6	26.5	0.0	356.4	1	
1I	0	1276	139	109	0	658	931	16.3	492.1	8.4	0.0	508.4	1	
1J	0	1276	576	109	0	658	-1849	16.3	653.3	34.8	0.0	669.6	1	
1K	0	1276	139	-93	0	-562	931	16.3	444.2	8.4	0.0	460.6	1	
1L	0	1276	576	-93	0	-562	-1849	16.3	605.4	34.8	0.0	621.8	1	
1M	0	5334	139	109	0	658	931	68.3	492.1	8.4	0.0	560.4	1	
1N	0	5334	576	109	0	658	-1849	68.3	653.3	34.8	0.0	721.6	1	
1O	0	5334	139	-93	0	-562	931	68.3	444.2	8.4	0.0	512.5	1	
1P	0	5334	576	-93	0	-562	-1849	68.3	605.4	34.8	0.0	673.7	1	
2	0	10300	401	-6	0	-49	-214	131.9	62.2	24.3	0.0	194.0	1	
7	0	8958	404	-7	0	-49	-223	114.7	63.7	24.4	0.0	178.4	1	
8	0	8494	418	0	0	-10	-315	108.8	60.3	25.3	0.0	169.1	1	
1A	635	2253	-113	64	0	-50	561	28.8	123.6	6.8	0.0	152.4	1	
1B	635	2253	50	64	0	-50	589	28.8	128.5	3.0	0.0	157.3	1	
1C	635	2253	-113	-48	0	42	561	28.8	119.6	6.8	0.0	148.4	1	
1D	635	2253	50	-48	0	42	589	28.8	124.4	3.0	0.0	153.3	1	
1E	635	4357	-113	64	0	-50	561	55.8	123.6	6.8	0.0	179.4	1	
1F	635	4357	50	64	0	-50	589	55.8	128.5	3.0	0.0	184.3	1	

1G	635	4357	-113	-48	0	42	561	55.8	119.6	6.8	0.0	175.4	1
1H	635	4357	50	-48	0	42	589	55.8	124.4	3.0	0.0	180.2	1
1I	635	1276	-250	109	0	-37	579	16.3	120.2	15.1	0.0	136.6	1
1J	635	1276	187	109	0	-37	572	16.3	119.0	11.3	0.0	135.3	1
1K	635	1276	-250	-93	0	29	579	16.3	116.2	15.1	0.0	132.5	1
1L	635	1276	187	-93	0	29	572	16.3	114.9	11.3	0.0	131.3	1
1M	635	5334	-250	109	0	-37	579	68.3	120.2	15.1	0.0	188.5	1
1N	635	5334	187	109	0	-37	572	68.3	119.0	11.3	0.0	187.3	1
1O	635	5334	-250	-93	0	29	579	68.3	116.2	15.1	0.0	184.5	1
1P	635	5334	187	-93	0	29	572	68.3	114.9	11.3	0.0	183.2	1
2	635	10300	-105	-6	0	-13	726	131.9	134.0	6.3	0.0	265.8	1
7	635	8958	-102	-7	0	-5	734	114.7	131.2	6.2	0.0	245.9	1
8	635	8494	-88	0	0	-11	733	108.8	134.4	5.3	0.0	243.2	1
1A	1270	2253	-503	64	0	-459	-1396	28.8	474.1	30.4	0.0	503.0	1
1B	1270	2253	-340	64	0	-459	-329	28.8	286.9	20.5	0.0	315.8	1
1C	1270	2253	-503	-48	0	347	-1396	28.8	418.2	30.4	0.0	447.1	1
1D	1270	2253	-340	-48	0	347	-329	28.8	231.0	20.5	0.0	259.9	1
1E	1270	4357	-503	64	0	-459	-1396	55.8	474.1	30.4	0.0	529.9	1
1F	1270	4357	-340	64	0	-459	-329	55.8	286.9	20.5	0.0	342.7	1
1G	1270	4357	-503	-48	0	347	-1396	55.8	418.2	30.4	0.0	474.0	1
1H	1270	4357	-340	-48	0	347	-329	55.8	231.0	20.5	0.0	286.8	1
1I	1270	1276	-639	109	0	-733	-2245	16.3	760.0	38.7	0.0	776.3	1
1J	1270	1276	-203	109	0	-733	521	16.3	457.2	12.3	0.0	473.5	1
1K	1270	1276	-639	-93	0	621	-2245	16.3	704.1	38.7	0.0	720.4	1
1L	1270	1276	-203	-93	0	621	521	16.3	401.3	12.3	0.0	417.6	1
1M	1270	5334	-639	109	0	-733	-2245	68.3	760.0	38.7	0.0	828.3	1
1N	1270	5334	-203	109	0	-733	521	68.3	457.2	12.3	0.0	525.5	1
1O	1270	5334	-639	-93	0	621	-2245	68.3	704.1	38.7	0.0	772.4	1
1P	1270	5334	-203	-93	0	621	521	68.3	401.3	12.3	0.0	469.6	1
2	1270	10300	-611	-6	0	23	-1547	131.9	283.2	37.0	0.0	415.1	1
7	1270	8958	-608	-7	0	40	-1523	114.7	287.2	36.8	0.0	401.9	1
8	1270	8494	-594	0	0	-13	-1433	108.8	258.0	35.9	0.0	366.7	1

ASTA NUM. 4 NI 594 NF 583 Lungh. 1270.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	2257	295	49	0	268	-121	28.9	154.8	17.8	0.0	183.7	1	
1B	0	2257	455	49	0	268	-1102	28.9	327.1	27.5	0.0	356.0	1	
1C	0	2257	295	-67	0	-377	-121	28.9	209.6	17.8	0.0	238.5	1	
1D	0	2257	455	-67	0	-377	-1102	28.9	381.9	27.5	0.0	410.8	1	
1E	0	4107	295	49	0	268	-121	52.6	154.8	17.8	0.0	207.4	1	
1F	0	4107	455	49	0	268	-1102	52.6	327.1	27.5	0.0	379.7	1	
1G	0	4107	295	-67	0	-377	-121	52.6	209.6	17.8	0.0	262.2	1	
1H	0	4107	455	-67	0	-377	-1102	52.6	381.9	27.5	0.0	434.5	1	
1I	0	1293	168	92	0	548	679	16.6	393.0	10.2	0.0	409.5	1	
1J	0	1293	582	92	0	548	-1902	16.6	607.6	35.2	0.0	624.2	1	
1K	0	1293	168	-110	0	-658	679	16.6	447.8	10.2	0.0	464.4	1	
1L	0	1293	582	-110	0	-658	-1902	16.6	662.5	35.2	0.0	679.0	1	
1M	0	5071	168	92	0	548	679	64.9	393.0	10.2	0.0	457.9	1	
1N	0	5071	582	92	0	548	-1902	64.9	607.6	35.2	0.0	672.6	1	
1O	0	5071	168	-110	0	-658	679	64.9	447.8	10.2	0.0	512.7	1	
1P	0	5071	582	-110	0	-658	-1902	64.9	662.5	35.2	0.0	727.4	1	
2	0	10200	423	4	0	32	-401	130.6	86.4	25.6	0.0	217.0	1	
7	0	8839	425	5	0	34	-410	113.2	88.9	25.7	0.0	202.1	1	
8	0	8370	440	-2	0	-4	-505	107.2	90.8	26.6	0.0	197.9	1	
1A	635	2257	-94	49	0	-47	516	28.9	114.0	5.7	0.0	142.9	1	
1B	635	2257	66	49	0	-47	554	28.9	120.6	4.0	0.0	149.6	1	
1C	635	2257	-94	-67	0	51	516	28.9	116.2	5.7	0.0	145.1	1	
1D	635	2257	66	-67	0	51	554	28.9	122.9	4.0	0.0	151.8	1	
1E	635	4107	-94	49	0	-47	516	52.6	114.0	5.7	0.0	166.5	1	
1F	635	4107	66	49	0	-47	554	52.6	120.6	4.0	0.0	173.2	1	
1G	635	4107	-94	-67	0	51	516	52.6	116.2	5.7	0.0	168.8	1	
1H	635	4107	66	-67	0	51	554	52.6	122.9	4.0	0.0	175.4	1	
1I	635	1293	-221	92	0	-39	509	16.6	108.8	13.4	0.0	125.3	1	
1J	635	1293	193	92	0	-39	561	16.6	117.8	11.7	0.0	134.4	1	
1K	635	1293	-221	-110	0	43	509	16.6	111.0	13.4	0.0	127.5	1	
1L	635	1293	193	-110	0	43	561	16.6	120.0	11.7	0.0	136.6	1	
1M	635	5071	-221	92	0	-39	509	64.9	108.8	13.4	0.0	173.7	1	
1N	635	5071	193	92	0	-39	561	64.9	117.8	11.7	0.0	182.7	1	
1O	635	5071	-221	-110	0	43	509	64.9	111.0	13.4	0.0	175.9	1	
1P	635	5071	193	-110	0	43	561	64.9	120.0	11.7	0.0	184.9	1	
2	635	10200	-83	4	0	7	677	130.6	122.5	5.0	0.0	253.1	1	
7	635	8839	-81	5	0	-0	684	113.2	120.4	4.9	0.0	233.5	1	
8	635	8370	-66	-2	0	7	683	107.2	123.3	4.0	0.0	230.5	1	
1A	1270	2257	-484	49	0	-361	-1319	28.9	411.9	29.2	0.0	440.8	1	
1B	1270	2257	-323	49	0	-361	-262	28.9	226.3	19.5	0.0	255.2	1	
1C	1270	2257	-484	-67	0	480	-1319	28.9	471.2	29.2	0.0	500.1	1	
1D	1270	2257	-323	-67	0	480	-262	28.9	285.5	19.5	0.0	314.4	1	
1E	1270	4107	-484	49	0	-361	-1319	52.6	411.9	29.2	0.0	464.5	1	
1F	1270	4107	-323	49	0	-361	-262	52.6	226.3	19.5	0.0	278.8	1	
1G	1270	4107	-484	-67	0	480	-1319	52.6	471.2	29.2	0.0	523.8	1	
1H	1270	4107	-323	-67	0	480	-262	52.6	285.5	19.5	0.0	338.1	1	
1I	1270	1293	-611	92	0	-626	-2132	16.6	686.8	36.9	0.0	703.4	1	
1J	1270	1293	-196	92	0	-626	551	16.6	409.2	11.9	0.0	425.8	1	
1K	1270	1293	-611	-110	0	745	-2132	16.6	746.1	36.9	0.0	762.6	1	
1L	1270	1293	-196	-110	0	745	551	16.6	468.5	11.9	0.0	485.1	1	
1M	1270	5071	-611	92	0	-626	-2132	64.9	686.8	36.9	0.0	751.7	1	

1N	1270	5071	-196	92	0	-626	551	64.9	409.2	11.9	0.0	474.2	1
1O	1270	5071	-611	-110	0	745	-2132	64.9	746.1	36.9	0.0	811.0	1
1P	1270	5071	-196	-110	0	745	551	64.9	468.5	11.9	0.0	533.4	1
2	1270	10200	-590	4	0	-17	-1460	130.6	265.0	35.6	0.0	395.6	1
7	1270	8839	-587	5	0	-35	-1435	113.2	269.3	35.5	0.0	382.5	1
8	1270	8370	-572	-2	0	18	-1344	107.2	245.1	34.6	0.0	352.3	1

ASTA NUM. 5 NI 579 NF 381 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-416	-625	182	0	22	99	5.3	28.4	37.8	0.0	65.7	4	
1B	0	-416	286	182	0	22	-12	5.3	13.2	17.3	0.0	30.6	4	
1C	0	-416	-625	-637	0	-222	99	5.3	128.0	37.8	0.0	133.3	1	
1D	0	-416	286	-637	0	-222	-12	5.3	112.7	17.3	0.0	118.1	1	
1E	0	42	-625	182	0	22	99	0.5	28.4	37.8	0.0	65.5	4	
1F	0	42	286	182	0	22	-12	0.5	13.2	17.3	0.0	30.0	4	
1G	0	42	-625	-637	0	-222	99	0.5	128.0	37.8	0.0	128.5	1	
1H	0	42	286	-637	0	-222	-12	0.5	112.7	17.3	0.0	113.3	1	
1I	0	-697	-426	309	0	136	168	8.9	97.4	25.8	0.0	106.4	1	
1J	0	-697	88	309	0	136	-81	8.9	82.2	7.7	0.0	91.1	1	
1K	0	-697	-426	-763	0	-336	168	8.9	197.0	25.8	0.0	205.9	1	
1L	0	-697	88	-763	0	-336	-81	8.9	181.8	19.1	0.0	190.7	1	
1M	0	323	-426	309	0	136	168	4.1	97.4	25.8	0.0	101.6	1	
1N	0	323	88	309	0	136	-81	4.1	82.2	7.7	0.0	86.3	1	
1O	0	323	-426	-763	0	-336	168	4.1	197.0	25.8	0.0	201.2	1	
1P	0	323	88	-763	0	-336	-81	4.1	181.8	19.1	0.0	185.9	1	
2	0	-1054	-594	-1216	0	-550	247	13.5	318.1	35.9	0.0	331.6	1	
7	0	-926	-502	-1069	0	-486	217	11.9	280.9	30.3	0.0	292.8	1	
8	0	-777	-458	-902	0	-407	182	10.0	235.1	27.7	0.0	245.0	1	
1A	20	-416	-637	182	0	-52	143	5.3	51.2	38.6	0.0	67.1	4	
1B	20	-416	274	182	0	-52	-126	5.3	48.3	16.6	0.0	53.6	1	
1C	20	-416	-637	-637	0	-56	143	5.3	53.3	38.6	0.0	71.5	3	
1D	20	-416	274	-637	0	-56	-126	5.3	50.3	16.6	0.0	55.7	1	
1E	20	42	-637	182	0	-52	143	0.5	51.2	38.6	0.0	66.8	4	
1F	20	42	274	182	0	-52	-126	0.5	48.3	16.6	0.0	48.8	1	
1G	20	42	-637	-637	0	-56	143	0.5	53.3	38.6	0.0	69.8	3	
1H	20	42	274	-637	0	-56	-126	0.5	50.3	16.6	0.0	50.9	1	
1I	20	-697	-439	309	0	115	169	8.9	87.0	26.5	0.0	96.0	1	
1J	20	-697	75	309	0	115	-153	8.9	84.1	7.7	0.0	93.0	1	
1K	20	-697	-439	-763	0	-223	169	8.9	141.2	26.5	0.0	150.2	1	
1L	20	-697	75	-763	0	-223	-153	8.9	138.3	19.1	0.0	147.3	1	
1M	20	323	-439	309	0	115	169	4.1	87.0	26.5	0.0	91.2	1	
1N	20	323	75	309	0	115	-153	4.1	84.1	7.7	0.0	88.3	1	
1O	20	323	-439	-763	0	-223	169	4.1	141.2	26.5	0.0	145.4	1	
1P	20	323	75	-763	0	-223	-153	4.1	138.3	19.1	0.0	142.5	1	
2	20	-1054	-610	-1216	0	-307	126	13.5	175.6	36.9	0.0	189.0	1	
7	20	-926	-517	-1069	0	-272	116	11.9	156.3	31.3	0.0	168.2	1	
8	20	-777	-474	-902	0	-226	89	10.0	128.6	28.7	0.0	138.6	1	
1A	40	-416	-650	182	0	-127	185	5.3	95.7	39.3	0.0	101.0	1	
1B	40	-416	262	182	0	-127	-244	5.3	106.0	15.8	0.0	111.3	1	
1C	40	-416	-650	-637	0	109	185	5.3	86.9	39.3	0.0	92.2	1	
1D	40	-416	262	-637	0	109	-244	5.3	97.1	15.9	0.0	102.5	1	
1E	40	42	-650	182	0	-127	185	0.5	95.7	39.3	0.0	96.2	1	
1F	40	42	262	182	0	-127	-244	0.5	106.0	15.8	0.0	106.5	1	
1G	40	42	-650	-637	0	109	185	0.5	86.9	39.3	0.0	87.4	1	
1H	40	42	262	-637	0	109	-244	0.5	97.1	15.9	0.0	97.7	1	
1I	40	-697	-451	309	0	93	168	8.9	76.2	27.3	0.0	85.1	1	
1J	40	-697	63	309	0	93	-227	8.9	86.5	7.7	0.0	95.4	1	
1K	40	-697	-451	-763	0	-111	168	8.9	85.0	27.3	0.0	94.0	1	
1L	40	-697	63	-763	0	-111	-227	8.9	95.3	19.1	0.0	104.2	1	
1M	40	323	-451	309	0	93	168	4.1	76.2	27.3	0.0	80.3	1	
1N	40	323	63	309	0	93	-227	4.1	86.5	7.7	0.0	90.6	1	
1O	40	323	-451	-763	0	-111	168	4.1	85.0	27.3	0.0	89.2	1	
1P	40	323	63	-763	0	-111	-227	4.1	95.3	19.1	0.0	99.4	1	
2	40	-1054	-626	-1216	0	-64	3	13.5	32.5	37.9	0.0	80.3	3	
7	40	-926	-533	-1069	0	-59	10	11.9	31.1	32.3	0.0	69.7	3	
8	40	-777	-490	-902	0	-46	-8	10.0	24.3	29.7	0.0	61.5	3	

ASTA NUM. 6 NI 367 NF 595 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-901	-136	1520	0	66	255	11.5	77.6	38.0	0.0	89.1	1	
1B	0	-901	686	1520	0	66	-341	11.5	92.7	41.5	0.0	112.0	3	
1C	0	-901	-136	-600	0	-75	255	11.5	82.1	15.0	0.0	93.7	1	
1D	0	-901	686	-600	0	-75	-341	11.5	97.2	41.5	0.0	108.7	1	
1E	0	370	-136	1520	0	66	255	4.7	77.6	38.0	0.0	82.3	1	
1F	0	370	686	1520	0	66	-341	4.7	92.7	41.5	0.0	108.3	3	
1G	0	370	-136	-600	0	-75	255	4.7	82.1	15.0	0.0	86.9	1	
1H	0	370	686	-600	0	-75	-341	4.7	97.2	41.5	0.0	101.9	1	
1I	0	-1048	92	1597	0	53	173	13.4	57.1	39.9	0.0	80.6	3	

1J	0	-1048	459	1597	0	53	-259	13.4	72.2	39.9	0.0	97.3	3
1K	0	-1048	92	-676	0	-63	173	13.4	61.6	16.9	0.0	75.0	1
1L	0	-1048	459	-676	0	-63	-259	13.4	76.7	27.8	0.0	90.1	1
1M	0	517	92	1597	0	53	173	6.6	57.1	39.9	0.0	77.4	3
1N	0	517	459	1597	0	53	-259	6.6	72.2	39.9	0.0	93.8	3
1O	0	517	92	-676	0	-63	173	6.6	61.6	16.9	0.0	68.2	1
1P	0	517	459	-676	0	-63	-259	6.6	76.7	27.8	0.0	83.3	1
2	0	-648	828	920	0	-12	-179	8.3	37.2	50.1	0.0	94.2	3
7	0	-430	674	644	0	-3	-168	5.5	30.9	40.8	0.0	75.6	3
8	0	-602	715	884	0	-12	-143	7.7	31.0	43.3	0.0	82.6	3
1A	20	-901	-148	1520	0	185	236	11.5	133.8	38.0	0.0	145.4	1
1B	20	-901	674	1520	0	185	-214	11.5	130.0	40.8	0.0	141.5	1
1C	20	-901	-148	-600	0	-378	236	11.5	230.3	15.0	0.0	241.8	1
1D	20	-901	674	-600	0	-378	-214	11.5	226.4	40.8	0.0	238.0	1
1E	20	370	-148	1520	0	185	236	4.7	133.8	38.0	0.0	138.6	1
1F	20	370	674	1520	0	185	-214	4.7	130.0	40.8	0.0	134.7	1
1G	20	370	-148	-600	0	-378	236	4.7	230.3	15.0	0.0	235.0	1
1H	20	370	674	-600	0	-378	-214	4.7	226.4	40.8	0.0	231.2	1
1I	20	-1048	79	1597	0	188	214	13.4	131.4	39.9	0.0	144.9	1
1J	20	-1048	447	1597	0	188	-192	13.4	127.6	39.9	0.0	141.0	1
1K	20	-1048	79	-676	0	-381	214	13.4	227.9	16.9	0.0	241.3	1
1L	20	-1048	447	-676	0	-381	-192	13.4	224.0	27.0	0.0	237.5	1
1M	20	517	79	1597	0	188	214	6.6	131.4	39.9	0.0	138.1	1
1N	20	517	447	1597	0	188	-192	6.6	127.6	39.9	0.0	134.2	1
1O	20	517	79	-676	0	-381	214	6.6	227.9	16.9	0.0	234.5	1
1P	20	517	447	-676	0	-381	-192	6.6	224.0	27.0	0.0	230.7	1
2	20	-648	813	920	0	-196	-15	8.3	100.3	49.1	0.0	108.6	1
7	20	-430	658	644	0	-132	-35	5.5	71.9	39.8	0.0	77.4	1
8	20	-602	700	884	0	-189	-1	7.7	94.4	42.3	0.0	102.2	1
1A	40	-901	-160	1520	0	305	214	11.5	189.6	38.0	0.0	201.2	1
1B	40	-901	662	1520	0	305	-89	11.5	167.8	40.0	0.0	179.3	1
1C	40	-901	-160	-600	0	-682	214	11.5	378.0	15.0	0.0	389.5	1
1D	40	-901	662	-600	0	-682	-89	11.5	356.1	40.0	0.0	367.6	1
1E	40	370	-160	1520	0	305	214	4.7	189.6	38.0	0.0	194.4	1
1F	40	370	662	1520	0	305	-89	4.7	167.8	40.0	0.0	172.5	1
1G	40	370	-160	-600	0	-682	214	4.7	378.0	15.0	0.0	382.7	1
1H	40	370	662	-600	0	-682	-89	4.7	356.1	40.0	0.0	360.8	1
1I	40	-1048	67	1597	0	323	252	13.4	205.4	39.9	0.0	218.8	1
1J	40	-1048	435	1597	0	323	-128	13.4	183.5	39.9	0.0	196.9	1
1K	40	-1048	67	-676	0	-700	252	13.4	393.7	16.9	0.0	407.1	1
1L	40	-1048	435	-676	0	-700	-128	13.4	371.8	26.3	0.0	385.2	1
1M	40	517	67	1597	0	323	252	6.6	205.4	39.9	0.0	212.0	1
1N	40	517	435	1597	0	323	-128	6.6	183.5	39.9	0.0	190.1	1
1O	40	517	67	-676	0	-700	252	6.6	393.7	16.9	0.0	400.3	1
1P	40	517	435	-676	0	-700	-128	6.6	371.8	26.3	0.0	378.4	1
2	40	-648	797	920	0	-380	146	8.3	215.1	48.2	0.0	223.5	1
7	40	-430	642	644	0	-261	95	5.5	146.9	38.8	0.0	152.4	1
8	40	-602	684	884	0	-366	137	7.7	206.5	41.3	0.0	214.2	1

ASTA NUM. 7 NI 578 NF 380 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-100	-745	485	0	114	24	1.3	61.0	45.1	0.0	78.2	4	
1B	0	-100	623	485	0	114	-122	1.3	78.2	37.7	0.0	79.5	1	
1C	0	-100	-745	-771	0	-242	24	1.3	125.1	45.1	0.0	126.4	1	
1D	0	-100	623	-771	0	-242	-122	1.3	142.3	37.7	0.0	143.6	1	
1E	0	518	-745	485	0	114	24	6.6	61.0	45.1	0.0	78.6	4	
1F	0	518	623	485	0	114	-122	6.6	78.2	37.7	0.0	84.9	1	
1G	0	518	-745	-771	0	-242	24	6.6	125.1	45.1	0.0	131.7	1	
1H	0	518	623	-771	0	-242	-122	6.6	142.3	37.7	0.0	148.9	1	
1I	0	-373	-411	301	0	120	93	4.8	76.0	24.9	0.0	80.8	1	
1J	0	-373	289	301	0	120	-191	4.8	93.2	17.5	0.0	98.0	1	
1K	0	-373	-411	-587	0	-248	93	4.8	140.0	24.9	0.0	144.8	1	
1L	0	-373	289	-587	0	-248	-191	4.8	157.2	17.5	0.0	162.0	1	
1M	0	792	-411	301	0	120	93	10.1	76.0	24.9	0.0	86.1	1	
1N	0	792	289	301	0	120	-191	10.1	93.2	17.5	0.0	103.3	1	
1O	0	792	-411	-587	0	-248	93	10.1	140.0	24.9	0.0	150.2	1	
1P	0	792	289	-587	0	-248	-191	10.1	157.2	17.5	0.0	167.4	1	
2	0	1180	202	-724	0	-345	-278	15.1	220.8	18.1	0.0	235.9	1	
7	0	1032	127	-655	0	-313	-243	13.2	199.0	16.4	0.0	212.3	1	
8	0	867	87	-537	0	-254	-204	11.1	162.7	13.4	0.0	173.8	1	
1A	20	-100	-758	485	0	-6	141	1.3	27.7	45.8	0.0	79.4	4	
1B	20	-100	611	485	0	-6	-265	1.3	49.6	37.0	0.0	73.5	3	
1C	20	-100	-758	-771	0	-65	141	1.3	57.2	45.8	0.0	82.0	3	
1D	20	-100	611	-771	0	-65	-265	1.3	79.1	37.0	0.0	80.4	1	
1E	20	518	-758	485	0	-6	141	6.6	27.7	45.8	0.0	79.7	4	
1F	20	518	611	485	0	-6	-265	6.6	49.6	37.0	0.0	76.7	3	
1G	20	518	-758	-771	0	-65	141	6.6	57.2	45.8	0.0	83.7	3	
1H	20	518	611	-771	0	-65	-265	6.6	79.1	37.0	0.0	85.8	1	
1I	20	-373	-424	301	0	109	140	4.8	78.8	25.6	0.0	83.6	1	
1J	20	-373	277	301	0	109	-264	4.8	100.8	16.8	0.0	105.5	1	
1K	20	-373	-424	-587	0	-180	140	4.8	114.4	25.6	0.0	119.2	1	
1L	20	-373	277	-587	0	-180	-264	4.8	136.3	16.8	0.0	141.1	1	
1M	20	792	-424	301	0	109	140	10.1	78.8	25.6	0.0	89.0	1	
1N	20	792	277	301	0	109	-264	10.1	100.8	16.8	0.0	110.9	1	
1O	20	792	-424	-587	0	-180	140	10.1	114.4	25.6	0.0	124.5	1	
1P	20	792	277	-587	0	-180	-264	10.1	136.3	16.8	0.0	146.4	1	

2	20	1180	186	-724	0	-200	-239	15.1	141.7	18.1	0.0	156.8	1
7	20	1032	111	-655	0	-182	-220	13.2	129.4	16.4	0.0	142.7	1
8	20	867	72	-537	0	-147	-188	11.1	106.3	13.4	0.0	117.4	1
1A	40	-100	-770	485	0	-126	254	1.3	107.4	46.6	0.0	108.6	1
1B	40	-100	599	485	0	-126	-411	1.3	134.9	36.2	0.0	136.1	1
1C	40	-100	-770	-771	0	112	254	1.3	100.3	46.6	0.0	101.6	1
1D	40	-100	599	-771	0	112	-411	1.3	127.8	36.2	0.0	129.1	1
1E	40	518	-770	485	0	-126	254	6.6	107.4	46.6	0.0	114.0	1
1F	40	518	599	485	0	-126	-411	6.6	134.9	36.2	0.0	141.5	1
1G	40	518	-770	-771	0	112	254	6.6	100.3	46.6	0.0	107.0	1
1H	40	518	599	-771	0	112	-411	6.6	127.8	36.2	0.0	134.5	1
1I	40	-373	-436	301	0	98	184	4.8	81.2	26.4	0.0	86.0	1
1J	40	-373	265	301	0	98	-341	4.8	108.7	16.0	0.0	113.5	1
1K	40	-373	-436	-587	0	-112	184	4.8	88.3	26.4	0.0	93.1	1
1L	40	-373	265	-587	0	-112	-341	4.8	115.8	16.0	0.0	120.6	1
1M	40	792	-436	301	0	98	184	10.1	81.2	26.4	0.0	91.4	1
1N	40	792	265	301	0	98	-341	10.1	108.7	16.0	0.0	118.9	1
1O	40	792	-436	-587	0	-112	184	10.1	88.3	26.4	0.0	98.4	1
1P	40	792	265	-587	0	-112	-341	10.1	115.8	16.0	0.0	125.9	1
2	40	1180	171	-724	0	-55	-203	15.1	63.1	18.1	0.0	78.2	1
7	40	1032	96	-655	0	-51	-199	13.2	60.4	16.4	0.0	73.6	1
8	40	867	56	-537	0	-39	-176	11.1	50.4	13.4	0.0	61.5	1

ASTA NUM. 8 NI 368 NF 596 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-378	-883	1349	0	72	443	4.8	113.6	53.4	0.0	124.6	3	
1B	0	-378	898	1349	0	72	-542	4.8	130.9	54.3	0.0	135.8	1	
1C	0	-378	-883	-447	0	-79	443	4.8	117.4	53.4	0.0	122.2	1	
1D	0	-378	898	-447	0	-79	-542	4.8	134.7	54.3	0.0	139.6	1	
1E	0	817	-883	1349	0	72	443	10.5	113.6	53.4	0.0	128.0	3	
1F	0	817	898	1349	0	72	-542	10.5	130.9	54.3	0.0	141.4	1	
1G	0	817	-883	-447	0	-79	443	10.5	117.4	53.4	0.0	127.8	1	
1H	0	817	898	-447	0	-79	-542	10.5	134.7	54.3	0.0	145.2	1	
1I	0	-560	-348	1519	0	59	271	7.2	76.8	38.0	0.0	88.2	3	
1J	0	-560	364	1519	0	59	-370	7.2	94.1	38.0	0.0	101.3	1	
1K	0	-560	-348	-617	0	-66	271	7.2	80.6	21.1	0.0	87.7	1	
1L	0	-560	364	-617	0	-66	-370	7.2	97.9	22.0	0.0	105.1	1	
1M	0	998	-348	1519	0	59	271	12.8	76.8	38.0	0.0	91.5	3	
1N	0	998	364	1519	0	59	-370	12.8	94.1	38.0	0.0	106.9	1	
1O	0	998	-348	-617	0	-66	271	12.8	80.6	21.1	0.0	93.3	1	
1P	0	998	364	-617	0	-66	-370	12.8	97.9	22.0	0.0	110.7	1	
2	0	632	-493	657	0	-5	59	8.1	12.8	29.8	0.0	56.9	3	
7	0	389	-345	469	0	2	57	5.0	11.0	20.9	0.0	40.5	3	
8	0	577	-374	689	0	-7	24	7.4	7.4	22.6	0.0	47.4	3	
1A	20	-378	-895	1349	0	160	267	4.8	126.7	54.1	0.0	131.6	1	
1B	20	-378	886	1349	0	160	-366	4.8	144.0	53.6	0.0	148.8	1	
1C	20	-378	-895	-447	0	-348	267	4.8	220.6	54.1	0.0	225.5	1	
1D	20	-378	886	-447	0	-348	-366	4.8	237.9	53.6	0.0	242.7	1	
1E	20	817	-895	1349	0	160	267	10.5	126.7	54.1	0.0	137.2	1	
1F	20	817	886	1349	0	160	-366	10.5	144.0	53.6	0.0	154.5	1	
1G	20	817	-895	-447	0	-348	267	10.5	220.6	54.1	0.0	231.1	1	
1H	20	817	886	-447	0	-348	-366	10.5	237.9	53.6	0.0	248.4	1	
1I	20	-560	-361	1519	0	181	205	7.2	126.4	38.0	0.0	133.5	1	
1J	20	-560	351	1519	0	181	-303	7.2	143.6	38.0	0.0	150.8	1	
1K	20	-560	-361	-617	0	-369	205	7.2	220.3	21.8	0.0	227.5	1	
1L	20	-560	351	-617	0	-369	-303	7.2	237.5	21.2	0.0	244.7	1	
1M	20	998	-361	1519	0	181	205	12.8	126.4	38.0	0.0	139.2	1	
1N	20	998	351	1519	0	181	-303	12.8	143.6	38.0	0.0	156.4	1	
1O	20	998	-361	-617	0	-369	205	12.8	220.3	21.8	0.0	233.1	1	
1P	20	998	351	-617	0	-369	-303	12.8	237.5	21.2	0.0	250.3	1	
2	20	632	-509	657	0	-136	-41	8.1	75.1	30.8	0.0	83.2	1	
7	20	389	-361	469	0	-92	-13	5.0	48.2	21.8	0.0	53.2	1	
8	20	577	-390	689	0	-144	-53	7.4	81.3	23.6	0.0	88.7	1	
1A	40	-378	-908	1349	0	248	89	4.8	139.5	54.9	0.0	144.3	1	
1B	40	-378	874	1349	0	248	-192	4.8	157.5	52.8	0.0	162.3	1	
1C	40	-378	-908	-447	0	-617	89	4.8	323.5	54.9	0.0	328.3	1	
1D	40	-378	874	-447	0	-617	-192	4.8	341.5	52.8	0.0	346.4	1	
1E	40	817	-908	1349	0	248	89	10.5	139.5	54.9	0.0	149.9	1	
1F	40	817	874	1349	0	248	-192	10.5	157.5	52.8	0.0	167.9	1	
1G	40	817	-908	-447	0	-617	89	10.5	323.5	54.9	0.0	334.0	1	
1H	40	817	874	-447	0	-617	-192	10.5	341.5	52.8	0.0	352.0	1	
1I	40	-560	-373	1519	0	304	137	7.2	175.6	38.0	0.0	182.7	1	
1J	40	-560	339	1519	0	304	-239	7.2	193.6	38.0	0.0	200.7	1	
1K	40	-560	-373	-617	0	-672	137	7.2	359.6	22.5	0.0	366.7	1	
1L	40	-560	339	-617	0	-672	-239	7.2	377.6	20.5	0.0	384.8	1	
1M	40	998	-373	1519	0	304	137	12.8	175.6	38.0	0.0	188.3	1	
1N	40	998	339	1519	0	304	-239	12.8	193.6	38.0	0.0	206.4	1	
1O	40	998	-373	-617	0	-672	137	12.8	359.6	22.5	0.0	372.4	1	
1P	40	998	339	-617	0	-672	-239	12.8	377.6	20.5	0.0	390.4	1	
2	40	632	-524	657	0	-268	-144	8.1	158.8	31.7	0.0	166.9	1	
7	40	389	-377	469	0	-186	-87	5.0	108.0	22.8	0.0	113.0	1	
8	40	577	-406	689	0	-282	-132	7.4	164.1	24.6	0.0	171.5	1	

ASTA NUM. 9 NI 576 NF 378 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.

qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-617	-647	1397	0	470	147	7.9	260.5	39.1	0.0	268.4	1	
1B	0	-617	372	1397	0	470	-146	7.9	260.4	34.9	0.0	268.3	1	
1C	0	-617	-647	-1133	0	-362	147	7.9	206.6	39.1	0.0	214.5	1	
1D	0	-617	372	-1133	0	-362	-146	7.9	206.5	28.3	0.0	214.4	1	
1E	0	613	-647	1397	0	470	147	7.9	260.5	39.1	0.0	268.4	1	
1F	0	613	372	1397	0	470	-146	7.9	260.4	34.9	0.0	268.2	1	
1G	0	613	-647	-1133	0	-362	147	7.9	206.6	39.1	0.0	214.5	1	
1H	0	613	372	-1133	0	-362	-146	7.9	206.5	28.3	0.0	214.4	1	
1I	0	-603	-534	854	0	315	142	7.7	182.3	32.3	0.0	190.0	1	
1J	0	-603	258	854	0	315	-141	7.7	182.2	21.4	0.0	189.9	1	
1K	0	-603	-534	-591	0	-207	142	7.7	128.4	32.3	0.0	136.1	1	
1L	0	-603	258	-591	0	-207	-141	7.7	128.3	15.6	0.0	136.0	1	
1M	0	599	-534	854	0	315	142	7.7	182.3	32.3	0.0	190.0	1	
1N	0	599	258	854	0	315	-141	7.7	182.2	21.4	0.0	189.8	1	
1O	0	599	-534	-591	0	-207	142	7.7	128.4	32.3	0.0	136.1	1	
1P	0	599	258	-591	0	-207	-141	7.7	128.3	15.6	0.0	136.0	1	
2	0	274	254	942	0	372	-60	3.5	196.4	23.5	0.0	200.0	1	
7	0	243	136	817	0	319	-54	3.1	168.7	20.4	0.0	171.8	1	
8	0	192	127	687	0	273	-42	2.5	143.7	17.2	0.0	146.2	1	
1A	20	-617	-659	1397	0	178	-43	7.9	96.5	39.9	0.0	104.4	1	
1B	20	-617	359	1397	0	178	-14	7.9	91.5	34.9	0.0	99.4	1	
1C	20	-617	-659	-1133	0	-123	-43	7.9	69.0	39.9	0.0	80.8	3	
1D	20	-617	359	-1133	0	-123	-14	7.9	63.9	28.3	0.0	71.8	1	
1E	20	613	-659	1397	0	178	-43	7.9	96.5	39.9	0.0	104.4	1	
1F	20	613	359	1397	0	178	-14	7.9	91.5	34.9	0.0	99.4	1	
1G	20	613	-659	-1133	0	-123	-43	7.9	69.0	39.9	0.0	80.7	3	
1H	20	613	359	-1133	0	-123	-14	7.9	63.9	28.3	0.0	71.8	1	
1I	20	-603	-546	854	0	109	141	7.7	79.4	33.0	0.0	87.1	1	
1J	20	-603	246	854	0	109	-198	7.7	89.4	21.4	0.0	97.1	1	
1K	20	-603	-546	-591	0	-54	141	7.7	51.8	33.0	0.0	64.6	3	
1L	20	-603	246	-591	0	-54	-198	7.7	61.8	14.9	0.0	69.5	1	
1M	20	599	-546	854	0	109	141	7.7	79.4	33.0	0.0	87.1	1	
1N	20	599	246	854	0	109	-198	7.7	89.4	21.4	0.0	97.0	1	
1O	20	599	-546	-591	0	-54	141	7.7	51.8	33.0	0.0	64.6	3	
1P	20	599	246	-591	0	-54	-198	7.7	61.8	14.9	0.0	69.4	1	
2	20	274	238	942	0	184	-11	3.5	93.8	23.5	0.0	97.3	1	
7	20	243	120	817	0	155	-29	3.1	82.7	20.4	0.0	85.8	1	
8	20	192	111	687	0	136	-19	2.5	71.0	17.2	0.0	73.5	1	
1A	40	-617	-672	1397	0	-113	-235	7.9	97.9	40.6	0.0	105.8	1	
1B	40	-617	347	1397	0	-113	116	7.9	76.9	34.9	0.0	84.8	1	
1C	40	-617	-672	-1133	0	116	-235	7.9	99.2	40.6	0.0	107.1	1	
1D	40	-617	347	-1133	0	116	116	7.9	78.2	28.3	0.0	86.1	1	
1E	40	613	-672	1397	0	-113	-235	7.9	97.9	40.6	0.0	105.7	1	
1F	40	613	347	1397	0	-113	116	7.9	76.9	34.9	0.0	84.8	1	
1G	40	613	-672	-1133	0	116	-235	7.9	99.2	40.6	0.0	107.0	1	
1H	40	613	347	-1133	0	116	116	7.9	78.2	28.3	0.0	86.1	1	
1I	40	-603	-558	854	0	-96	137	7.7	72.1	33.8	0.0	79.8	1	
1J	40	-603	233	854	0	-96	-256	7.7	93.1	21.4	0.0	100.8	1	
1K	40	-603	-558	-591	0	99	137	7.7	73.4	33.8	0.0	81.1	1	
1L	40	-603	233	-591	0	99	-256	7.7	94.4	14.8	0.0	102.1	1	
1M	40	599	-558	854	0	-96	137	7.7	72.1	33.8	0.0	79.8	1	
1N	40	599	233	854	0	-96	-256	7.7	93.1	21.4	0.0	100.7	1	
1O	40	599	-558	-591	0	99	137	7.7	73.4	33.8	0.0	81.1	1	
1P	40	599	233	-591	0	99	-256	7.7	94.4	14.8	0.0	102.0	1	
2	40	274	222	942	0	-5	35	3.5	8.3	23.5	0.0	46.6	3	
7	40	243	104	817	0	-8	-6	3.1	5.0	20.4	0.0	36.9	3	
8	40	192	95	687	0	-2	2	2.5	1.1	17.2	0.0	31.2	3	

ASTA NUM. 10 NI 370 NF 598 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-38	-1213	692	0	60	462	0.5	110.9	73.3	0.0	137.2	3	
1B	0	-38	638	692	0	60	-334	0.5	88.4	38.6	0.0	88.8	1	
1C	0	-38	-1213	-489	0	-19	462	0.5	90.7	73.3	0.0	135.1	3	
1D	0	-38	638	-489	0	-19	-334	0.5	68.2	38.6	0.0	81.3	3	
1E	0	485	-1213	692	0	60	462	6.2	110.9	73.3	0.0	140.3	3	
1F	0	485	638	692	0	60	-334	6.2	88.4	38.6	0.0	94.6	1	
1G	0	485	-1213	-489	0	-19	462	6.2	90.7	73.3	0.0	138.2	3	
1H	0	485	638	-489	0	-19	-334	6.2	68.2	38.6	0.0	84.9	3	
1I	0	-343	-1032	1092	0	63	463	4.4	112.8	62.4	0.0	131.3	3	
1J	0	-343	458	1092	0	63	-335	4.4	90.3	27.7	0.0	94.6	1	
1K	0	-343	-1032	-890	0	-23	463	4.4	92.6	62.4	0.0	127.8	3	
1L	0	-343	458	-890	0	-23	-335	4.4	70.1	27.7	0.0	79.6	3	
1M	0	790	-1032	1092	0	63	463	10.1	112.8	62.4	0.0	134.6	3	
1N	0	790	458	1092	0	63	-335	10.1	90.3	27.7	0.0	100.4	1	
1O	0	790	-1032	-890	0	-23	463	10.1	92.6	62.4	0.0	131.2	3	
1P	0	790	458	-890	0	-23	-335	10.1	70.1	27.7	0.0	83.7	3	
2	0	621	-726	-482	0	50	152	7.9	51.5	43.9	0.0	78.0	3	
7	0	586	-620	-393	0	48	116	7.5	44.2	37.5	0.0	65.9	3	
8	0	510	-618	-289	0	42	134	6.5	44.3	37.4	0.0	65.3	3	

1A	20	-38	-1225	692	0	141	235	0.5	111.5	74.1	0.0	128.4	4
1B	20	-38	626	692	0	141	-224	0.5	109.6	37.8	0.0	110.1	1
1C	20	-38	-1225	-489	0	-141	235	0.5	111.6	74.1	0.0	128.4	4
1D	20	-38	626	-489	0	-141	-224	0.5	109.7	37.8	0.0	110.2	1
1E	20	485	-1225	692	0	141	235	6.2	111.5	74.1	0.0	128.7	4
1F	20	485	626	692	0	141	-224	6.2	109.6	37.8	0.0	115.8	1
1G	20	485	-1225	-489	0	-141	235	6.2	111.6	74.1	0.0	128.7	4
1H	20	485	626	-489	0	-141	-224	6.2	109.7	37.8	0.0	115.9	1
1I	20	-343	-1045	1092	0	235	271	4.4	165.0	63.2	0.0	169.4	1
1J	20	-343	445	1092	0	235	-260	4.4	163.1	27.3	0.0	167.5	1
1K	20	-343	-1045	-890	0	-235	271	4.4	165.0	63.2	0.0	169.4	1
1L	20	-343	445	-890	0	-235	-260	4.4	163.1	26.9	0.0	167.5	1
1M	20	790	-1045	1092	0	235	271	10.1	165.0	63.2	0.0	175.1	1
1N	20	790	445	1092	0	235	-260	10.1	163.1	27.3	0.0	173.2	1
1O	20	790	-1045	-890	0	-235	271	10.1	165.0	63.2	0.0	175.2	1
1P	20	790	445	-890	0	-235	-260	10.1	163.1	26.9	0.0	173.3	1
2	20	621	-742	-482	0	146	6	7.9	73.9	44.9	0.0	81.8	1
7	20	586	-636	-393	0	126	-9	7.5	64.6	38.4	0.0	72.1	1
8	20	510	-634	-289	0	100	8	6.5	51.2	38.3	0.0	67.0	4
1A	40	-38	-1237	692	0	222	6	0.5	111.7	74.8	0.0	129.7	4
1B	40	-38	613	692	0	222	-117	0.5	131.3	37.1	0.0	131.8	1
1C	40	-38	-1237	-489	0	-262	6	0.5	132.0	74.8	0.0	132.5	1
1D	40	-38	613	-489	0	-262	-117	0.5	151.6	37.1	0.0	152.1	1
1E	40	485	-1237	692	0	222	6	6.2	111.7	74.8	0.0	130.1	4
1F	40	485	613	692	0	222	-117	6.2	131.3	37.1	0.0	137.5	1
1G	40	485	-1237	-489	0	-262	6	6.2	132.0	74.8	0.0	138.2	1
1H	40	485	613	-489	0	-262	-117	6.2	151.6	37.1	0.0	157.8	1
1I	40	-343	-1057	1092	0	408	76	4.4	216.8	63.9	0.0	221.1	1
1J	40	-343	433	1092	0	408	-187	4.4	236.3	27.3	0.0	240.7	1
1K	40	-343	-1057	-890	0	-448	76	4.4	237.0	63.9	0.0	241.4	1
1L	40	-343	433	-890	0	-448	-187	4.4	256.6	26.2	0.0	261.0	1
1M	40	790	-1057	1092	0	408	76	10.1	216.8	63.9	0.0	226.9	1
1N	40	790	433	1092	0	408	-187	10.1	236.3	27.3	0.0	246.5	1
1O	40	790	-1057	-890	0	-448	76	10.1	237.0	63.9	0.0	247.1	1
1P	40	790	433	-890	0	-448	-187	10.1	256.6	26.2	0.0	266.7	1
2	40	621	-758	-482	0	242	-144	7.9	146.4	45.9	0.0	154.4	1
7	40	586	-652	-393	0	205	-138	7.5	126.4	39.4	0.0	133.9	1
8	40	510	-650	-289	0	157	-120	6.5	99.7	39.3	0.0	106.2	1

ASTA NUM. 11 NI 574 NF 376 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	1515	-2047	843	0	444	-85	19.4	236.5	123.8	0.0	255.9	1	
1B	0	1515	-1029	843	0	444	-1682	19.4	517.0	62.2	0.0	536.4	1	
1C	0	1515	-2047	-591	0	-328	-85	19.4	178.5	123.8	0.0	216.1	4	
1D	0	1515	-1029	-591	0	-328	-1682	19.4	459.0	62.2	0.0	478.4	1	
1E	0	5273	-2047	843	0	444	-85	67.5	236.5	123.8	0.0	304.0	1	
1F	0	5273	-1029	843	0	444	-1682	67.5	517.0	62.2	0.0	584.5	1	
1G	0	5273	-2047	-591	0	-328	-85	67.5	178.5	123.8	0.0	246.0	1	
1H	0	5273	-1029	-591	0	-328	-1682	67.5	459.0	62.2	0.0	526.5	1	
1I	0	363	-2135	877	0	415	426	4.7	282.0	129.1	0.0	286.7	1	
1J	0	363	-941	877	0	415	-2193	4.7	592.3	56.9	0.0	596.9	1	
1K	0	363	-2135	-625	0	-299	426	4.7	224.0	129.1	0.0	228.7	1	
1L	0	363	-941	-625	0	-299	-2193	4.7	534.3	56.9	0.0	538.9	1	
1M	0	6425	-2135	877	0	415	426	82.3	282.0	129.1	0.0	364.3	1	
1N	0	6425	-941	877	0	415	-2193	82.3	592.3	56.9	0.0	674.5	1	
1O	0	6425	-2135	-625	0	-299	426	82.3	224.0	129.1	0.0	306.3	1	
1P	0	6425	-941	-625	0	-299	-2193	82.3	534.3	56.9	0.0	616.5	1	
2	0	9670	-2486	382	0	154	-1398	123.8	322.5	150.3	0.0	446.3	1	
7	0	8381	-2340	365	0	142	-1386	107.3	314.3	141.5	0.0	421.6	1	
8	0	8099	-2337	297	0	124	-1340	103.7	297.2	141.3	0.0	400.9	1	
1A	20	1515	-2059	843	0	304	-451	19.4	231.1	124.5	0.0	250.5	1	
1B	20	1515	-1042	843	0	304	-1934	19.4	491.3	63.0	0.0	510.7	1	
1C	20	1515	-2059	-591	0	-238	-451	19.4	198.2	124.5	0.0	217.6	1	
1D	20	1515	-1042	-591	0	-238	-1934	19.4	458.5	63.0	0.0	477.9	1	
1E	20	5273	-2059	843	0	304	-451	67.5	231.1	124.5	0.0	298.6	1	
1F	20	5273	-1042	843	0	304	-1934	67.5	491.3	63.0	0.0	558.8	1	
1G	20	5273	-2059	-591	0	-238	-451	67.5	198.2	124.5	0.0	265.8	1	
1H	20	5273	-1042	-591	0	-238	-1934	67.5	458.5	63.0	0.0	526.0	1	
1I	20	363	-2148	877	0	275	26	4.7	141.9	129.9	0.0	225.2	4	
1J	20	363	-953	877	0	275	-2411	4.7	560.6	57.7	0.0	565.3	1	
1K	20	363	-2148	-625	0	-209	26	4.7	109.1	129.9	0.0	225.2	4	
1L	20	363	-953	-625	0	-209	-2411	4.7	527.8	57.7	0.0	532.4	1	
1M	20	6425	-2148	877	0	275	26	82.3	141.9	129.9	0.0	241.7	4	
1N	20	6425	-953	877	0	275	-2411	82.3	560.6	57.7	0.0	642.9	1	
1O	20	6425	-2148	-625	0	-209	26	82.3	109.1	129.9	0.0	241.2	4	
1P	20	6425	-953	-625	0	-209	-2411	82.3	527.8	57.7	0.0	610.1	1	
2	20	9670	-2502	382	0	78	-1897	123.8	372.0	151.3	0.0	495.8	1	
7	20	8381	-2356	365	0	69	-1855	107.3	360.3	142.5	0.0	467.6	1	
8	20	8099	-2353	297	0	65	-1809	103.7	349.9	142.3	0.0	453.6	1	
1A	40	1515	-2072	843	0	164	-821	19.4	226.1	125.3	0.0	245.5	1	
1B	40	1515	-1054	843	0	164	-2187	19.4	466.1	63.7	0.0	485.5	1	
1C	40	1515	-2072	-591	0	-149	-821	19.4	218.4	125.3	0.0	243.9	3	
1D	40	1515	-1054	-591	0	-149	-2187	19.4	458.4	63.7	0.0	477.7	1	
1E	40	5273	-2072	843	0	164	-821	67.5	226.1	125.3	0.0	293.6	1	
1F	40	5273	-1054	843	0	164	-2187	67.5	466.1	63.7	0.0	533.6	1	

1G	40	5273	-2072	-591	0	-149	-821	67.5	218.4	125.3	0.0	285.9	1
1H	40	5273	-1054	-591	0	-149	-2187	67.5	458.4	63.7	0.0	525.9	1
1I	40	363	-2160	877	0	135	-377	4.7	133.8	130.6	0.0	226.4	4
1J	40	363	-966	877	0	135	-2631	4.7	529.5	58.4	0.0	534.1	1
1K	40	363	-2160	-625	0	-120	-377	4.7	126.1	130.6	0.0	226.4	4
1L	40	363	-966	-625	0	-120	-2631	4.7	521.8	58.4	0.0	526.4	1
1M	40	6425	-2160	877	0	135	-377	82.3	133.8	130.6	0.0	250.0	3
1N	40	6425	-966	877	0	135	-2631	82.3	529.5	58.4	0.0	611.7	1
1O	40	6425	-2160	-625	0	-120	-377	82.3	126.1	130.6	0.0	248.4	3
1P	40	6425	-966	-625	0	-120	-2631	82.3	521.8	58.4	0.0	604.0	1
2	40	9670	-2518	382	0	2	-2399	123.8	422.0	152.3	0.0	545.8	1
7	40	8381	-2372	365	0	-4	-2328	107.3	410.5	143.4	0.0	517.9	1
8	40	8099	-2369	297	0	5	-2281	103.7	403.1	143.3	0.0	506.8	1

ASTA NUM. 12 NI 372 NF 600 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	2030	3929	878	0	38	-1896	26.0	351.6	237.6	0.0	482.8	3	
1B	0	2030	7229	878	0	38	-3330	26.0	603.5	437.2	0.0	857.5	3	
1C	0	2030	3929	109	0	-29	-1896	26.0	347.3	237.6	0.0	481.2	3	
1D	0	2030	7229	109	0	-29	-3330	26.0	599.2	437.2	0.0	856.5	3	
1E	0	4118	3929	878	0	38	-1896	52.7	351.6	237.6	0.0	500.3	3	
1F	0	4118	7229	878	0	38	-3330	52.7	603.5	437.2	0.0	874.0	3	
1G	0	4118	3929	109	0	-29	-1896	52.7	347.3	237.6	0.0	498.8	3	
1H	0	4118	7229	109	0	-29	-3330	52.7	599.2	437.2	0.0	873.1	3	
1I	0	330	3188	1230	0	51	-1425	4.2	275.6	192.8	0.0	373.7	3	
1J	0	330	7970	1230	0	51	-3801	4.2	692.7	482.0	0.0	942.9	3	
1K	0	330	3188	-242	0	-42	-1425	4.2	271.3	192.8	0.0	370.0	3	
1L	0	330	7970	-242	0	-42	-3801	4.2	688.4	482.0	0.0	941.4	3	
1M	0	5818	3188	1230	0	51	-1425	74.5	275.6	192.8	0.0	418.6	3	
1N	0	5818	7970	1230	0	51	-3801	74.5	692.7	482.0	0.0	987.2	3	
1O	0	5818	3188	-242	0	-42	-1425	74.5	271.3	192.8	0.0	415.2	3	
1P	0	5818	7970	-242	0	-42	-3801	74.5	688.4	482.0	0.0	985.7	3	
2	0	9634	7647	768	0	25	-3091	123.4	555.1	462.4	0.0	926.1	3	
7	0	8308	7460	754	0	22	-3028	106.4	542.6	451.1	0.0	895.8	3	
8	0	7952	7547	719	0	19	-3180	101.8	567.6	456.4	0.0	913.4	3	
1A	20	2030	3916	878	0	-153	-996	26.0	251.1	236.8	0.0	411.3	4	
1B	20	2030	7217	878	0	-153	-2000	26.0	427.3	436.4	0.0	756.5	4	
1C	20	2030	3916	109	0	-36	-996	26.0	193.1	236.8	0.0	411.1	4	
1D	20	2030	7217	109	0	-36	-2000	26.0	369.3	436.4	0.0	756.4	4	
1E	20	4118	3916	878	0	-153	-996	52.7	251.1	236.8	0.0	422.2	3	
1F	20	4118	7217	878	0	-153	-2000	52.7	427.3	436.4	0.0	764.9	3	
1G	20	4118	3916	109	0	-36	-996	52.7	193.1	236.8	0.0	419.2	3	
1H	20	4118	7217	109	0	-36	-2000	52.7	369.3	436.4	0.0	762.7	3	
1I	20	330	3175	1230	0	92	-592	4.2	149.9	192.0	0.0	332.6	4	
1J	20	330	7958	1230	0	92	-2404	4.2	468.0	481.2	0.0	833.6	4	
1K	20	330	3175	-242	0	-281	-592	4.2	244.2	192.0	0.0	332.7	4	
1L	20	330	7958	-242	0	-281	-2404	4.2	562.3	481.2	0.0	833.6	4	
1M	20	5818	3175	1230	0	92	-592	74.5	149.9	192.0	0.0	344.5	3	
1N	20	5818	7958	1230	0	92	-2404	74.5	468.0	481.2	0.0	865.5	3	
1O	20	5818	3175	-242	0	-281	-592	74.5	244.2	192.0	0.0	342.6	3	
1P	20	5818	7958	-242	0	-281	-2404	74.5	562.3	481.2	0.0	866.1	3	
2	20	9634	7631	768	0	-129	-1563	123.4	338.7	461.5	0.0	809.2	4	
7	20	8308	7444	754	0	-129	-1537	106.4	334.2	450.2	0.0	787.3	4	
8	20	7952	7531	719	0	-125	-1672	101.8	356.1	455.4	0.0	795.7	4	
1A	40	2030	3904	878	0	-343	-100	26.0	188.6	236.1	0.0	410.3	4	
1B	40	2030	7204	878	0	-343	-673	26.0	289.3	435.7	0.0	755.3	4	
1C	40	2030	3904	109	0	-44	-100	26.0	39.3	236.1	0.0	409.8	4	
1D	40	2030	7204	109	0	-44	-673	26.0	139.9	435.7	0.0	755.1	4	
1E	40	4118	3904	878	0	-343	-100	52.7	188.6	236.1	0.0	413.3	4	
1F	40	4118	7204	878	0	-343	-673	52.7	289.3	435.7	0.0	757.0	4	
1G	40	4118	3904	109	0	-44	-100	52.7	39.3	236.1	0.0	412.4	4	
1H	40	4118	7204	109	0	-44	-673	52.7	139.9	435.7	0.0	756.5	4	
1I	40	330	3162	1230	0	133	238	4.2	108.1	191.2	0.0	331.3	4	
1J	40	330	7946	1230	0	133	-1010	4.2	243.8	480.5	0.0	832.3	4	
1K	40	330	3162	-242	0	-519	238	4.2	301.0	191.2	0.0	331.6	4	
1L	40	330	7946	-242	0	-519	-1010	4.2	436.7	480.5	0.0	832.4	4	
1M	40	5818	3162	1230	0	133	238	74.5	108.1	191.2	0.0	340.2	4	
1N	40	5818	7946	1230	0	133	-1010	74.5	243.8	480.5	0.0	835.8	4	
1O	40	5818	3162	-242	0	-519	238	74.5	301.0	191.2	0.0	375.5	1	
1P	40	5818	7946	-242	0	-519	-1010	74.5	436.7	480.5	0.0	836.7	4	
2	40	9634	7615	768	0	-282	-39	123.4	147.8	460.5	0.0	808.1	4	
7	40	8308	7428	754	0	-280	-50	106.4	148.3	449.2	0.0	786.1	4	
8	40	7952	7515	719	0	-269	-168	101.8	163.8	454.5	0.0	794.5	4	

ASTA NUM. 13 NI 572 NF 374 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-988	-2045	1031	0	552	239	12.7	317.4	123.6	0.0	330.1	1	
1B	0	-988	-699	1031	0	552	-213	12.7	312.8	42.3	0.0	325.4	1	

1C	0	-988	-2045	-888	0	-475	239	12.7	279.0	123.6	0.0	291.7	1
1D	0	-988	-699	-888	0	-475	-213	12.7	274.4	42.3	0.0	287.1	1
1E	0	880	-2045	1031	0	552	239	11.3	317.4	123.6	0.0	328.7	1
1F	0	880	-699	1031	0	552	-213	11.3	312.8	42.3	0.0	324.1	1
1G	0	880	-2045	-888	0	-475	239	11.3	279.0	123.6	0.0	290.3	1
1H	0	880	-699	-888	0	-475	-213	11.3	274.4	42.3	0.0	285.7	1
1I	0	-1773	-1826	995	0	531	419	22.7	338.7	110.5	0.0	361.4	1
1J	0	-1773	-918	995	0	531	-393	22.7	334.1	55.5	0.0	356.8	1
1K	0	-1773	-1826	-852	0	-454	419	22.7	300.3	110.5	0.0	323.0	1
1L	0	-1773	-918	-852	0	-454	-393	22.7	295.7	55.5	0.0	318.4	1
1M	0	1665	-1826	995	0	531	419	21.3	338.7	110.5	0.0	360.0	1
1N	0	1665	-918	995	0	531	-393	21.3	334.1	55.5	0.0	355.4	1
1O	0	1665	-1826	-852	0	-454	419	21.3	300.3	110.5	0.0	321.6	1
1P	0	1665	-918	-852	0	-454	-393	21.3	295.7	55.5	0.0	317.0	1
2	0	606	-1622	35	0	15	-146	7.8	32.8	98.1	0.0	170.1	4
7	0	605	-1663	26	0	10	-145	7.8	30.6	100.6	0.0	174.4	4
8	0	396	-1673	58	0	28	-95	5.1	30.9	101.2	0.0	175.3	4
1A	20	-988	-2057	1031	0	345	-258	12.7	217.8	124.4	0.0	230.5	1
1B	20	-988	-711	1031	0	345	-267	12.7	219.3	43.0	0.0	232.0	1
1C	20	-988	-2057	-888	0	-297	-258	12.7	193.7	124.4	0.0	216.3	4
1D	20	-988	-711	-888	0	-297	-267	12.7	195.2	43.0	0.0	207.9	1
1E	20	880	-2057	1031	0	345	-258	11.3	217.8	124.4	0.0	229.1	1
1F	20	880	-711	1031	0	345	-267	11.3	219.3	43.0	0.0	230.6	1
1G	20	880	-2057	-888	0	-297	-258	11.3	193.7	124.4	0.0	216.2	4
1H	20	880	-711	-888	0	-297	-267	11.3	195.2	43.0	0.0	206.5	1
1I	20	-1773	-1838	995	0	332	95	22.7	182.5	111.2	0.0	205.2	1
1J	20	-1773	-930	995	0	332	-620	22.7	274.6	56.2	0.0	297.3	1
1K	20	-1773	-1838	-852	0	-284	95	22.7	158.4	111.2	0.0	194.8	4
1L	20	-1773	-930	-852	0	-284	-620	22.7	250.5	56.2	0.0	273.2	1
1M	20	1665	-1838	995	0	332	95	21.3	182.5	111.2	0.0	203.8	1
1N	20	1665	-930	995	0	332	-620	21.3	274.6	56.2	0.0	295.9	1
1O	20	1665	-1838	-852	0	-284	95	21.3	158.4	111.2	0.0	194.6	4
1P	20	1665	-930	-852	0	-284	-620	21.3	250.5	56.2	0.0	271.8	1
2	20	606	-1638	35	0	8	-472	7.8	86.6	99.1	0.0	172.4	3
7	20	605	-1679	26	0	5	-480	7.8	86.7	101.5	0.0	176.3	3
8	20	396	-1689	58	0	17	-431	5.1	84.1	102.1	0.0	177.0	4
1A	40	-988	-2069	1031	0	139	-758	12.7	202.7	125.1	0.0	237.1	3
1B	40	-988	-723	1031	0	139	-323	12.7	126.2	43.7	0.0	138.9	1
1C	40	-988	-2069	-888	0	-120	-758	12.7	192.9	125.1	0.0	235.8	3
1D	40	-988	-723	-888	0	-120	-323	12.7	116.4	43.7	0.0	129.1	1
1E	40	880	-2069	1031	0	139	-758	11.3	202.7	125.1	0.0	236.4	3
1F	40	880	-723	1031	0	139	-323	11.3	126.2	43.7	0.0	137.5	1
1G	40	880	-2069	-888	0	-120	-758	11.3	192.9	125.1	0.0	235.1	3
1H	40	880	-723	-888	0	-120	-323	11.3	116.4	43.7	0.0	127.7	1
1I	40	-1773	-1850	995	0	133	-231	22.7	106.9	111.9	0.0	195.5	4
1J	40	-1773	-942	995	0	133	-850	22.7	215.6	56.9	0.0	238.3	1
1K	40	-1773	-1850	-852	0	-113	-231	22.7	97.1	111.9	0.0	195.5	4
1L	40	-1773	-942	-852	0	-113	-850	22.7	205.8	56.9	0.0	228.5	1
1M	40	1665	-1850	995	0	133	-231	21.3	106.9	111.9	0.0	195.3	4
1N	40	1665	-942	995	0	133	-850	21.3	215.6	56.9	0.0	236.9	1
1O	40	1665	-1850	-852	0	-113	-231	21.3	97.1	111.9	0.0	195.3	4
1P	40	1665	-942	-852	0	-113	-850	21.3	205.8	56.9	0.0	227.1	1
2	40	606	-1654	35	0	1	-801	7.8	141.0	100.0	0.0	200.6	3
7	40	605	-1695	26	0	-0	-817	7.8	143.6	102.5	0.0	205.1	3
8	40	396	-1705	58	0	5	-771	5.1	137.9	103.1	0.0	200.0	3

ASTA NUM. 14 NI 571 NF 373 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1642	-2266	899	0	392	391	21.0	264.5	137.1	0.0	285.5	1	
1B	0	-1642	224	899	0	392	-123	21.0	217.4	22.5	0.0	238.4	1	
1C	0	-1642	-2266	-783	0	-346	391	21.0	241.2	137.1	0.0	262.2	1	
1D	0	-1642	224	-783	0	-346	-123	21.0	194.1	19.6	0.0	215.1	1	
1E	0	534	-2266	899	0	392	391	6.8	264.5	137.1	0.0	271.3	1	
1F	0	534	224	899	0	392	-123	6.8	217.4	22.5	0.0	224.2	1	
1G	0	534	-2266	-783	0	-346	391	6.8	241.2	137.1	0.0	248.0	1	
1H	0	534	224	-783	0	-346	-123	6.8	194.1	19.6	0.0	200.9	1	
1I	0	-1918	-2232	891	0	395	453	24.6	276.9	135.0	0.0	301.5	1	
1J	0	-1918	190	891	0	395	-185	24.6	229.8	22.3	0.0	254.4	1	
1K	0	-1918	-2232	-775	0	-349	453	24.6	253.6	135.0	0.0	278.2	1	
1L	0	-1918	190	-775	0	-349	-185	24.6	206.5	19.4	0.0	231.1	1	
1M	0	810	-2232	891	0	395	453	10.4	276.9	135.0	0.0	287.3	1	
1N	0	810	190	891	0	395	-185	10.4	229.8	22.3	0.0	240.2	1	
1O	0	810	-2232	-775	0	-349	453	10.4	253.6	135.0	0.0	264.0	1	
1P	0	810	190	-775	0	-349	-185	10.4	206.5	19.4	0.0	216.9	1	
2	0	-950	-1546	103	0	41	228	12.2	60.7	93.5	0.0	162.5	4	
7	0	-949	-1558	99	0	40	228	12.1	59.7	94.2	0.0	163.7	4	
8	0	-884	-1475	99	0	40	213	11.3	57.1	89.2	0.0	155.0	4	
1A	20	-1642	-2279	899	0	212	-83	21.0	120.6	137.8	0.0	240.1	4	
1B	20	-1642	212	899	0	212	-60	21.0	116.6	22.5	0.0	137.6	1	
1C	20	-1642	-2279	-783	0	-189	-83	21.0	108.9	137.8	0.0	240.0	4	
1D	20	-1642	212	-783	0	-189	-60	21.0	104.9	19.6	0.0	125.9	1	
1E	20	534	-2279	899	0	212	-83	6.8	120.6	137.8	0.0	239.0	4	
1F	20	534	212	899	0	212	-60	6.8	116.6	22.5	0.0	123.4	1	
1G	20	534	-2279	-783	0	-189	-83	6.8	108.9	137.8	0.0	238.9	4	
1H	20	534	212	-783	0	-189	-60	6.8	104.9	19.6	0.0	111.7	1	
1I	20	-1918	-2245	891	0	217	-29	24.6	113.6	135.8	0.0	237.0	4	

1J	20	-1918	178	891	0	217	-113	24.6	128.3	22.3	0.0	152.9	1
1K	20	-1918	-2245	-775	0	-194	-29	24.6	101.9	135.8	0.0	236.9	4
1L	20	-1918	178	-775	0	-194	-113	24.6	116.6	19.4	0.0	141.1	1
1M	20	810	-2245	891	0	217	-29	10.4	113.6	135.8	0.0	235.6	4
1N	20	810	178	891	0	217	-113	10.4	128.3	22.3	0.0	138.7	1
1O	20	810	-2245	-775	0	-194	-29	10.4	101.9	135.8	0.0	235.6	4
1P	20	810	178	-775	0	-194	-113	10.4	116.6	19.4	0.0	126.9	1
2	20	-950	-1562	103	0	21	-83	12.2	24.8	94.5	0.0	164.1	4
7	20	-949	-1574	99	0	20	-85	12.1	24.8	95.2	0.0	165.3	4
8	20	-884	-1491	99	0	20	-84	11.3	24.7	90.2	0.0	156.6	4
1A	40	-1642	-2291	899	0	33	-559	21.0	114.4	138.6	0.0	242.3	3
1B	40	-1642	199	899	0	33	0	21.0	16.3	22.5	0.0	48.4	3
1C	40	-1642	-2291	-783	0	-32	-559	21.0	114.2	138.6	0.0	241.6	3
1D	40	-1642	199	-783	0	-32	0	21.0	16.2	19.6	0.0	44.4	3
1E	40	534	-2291	899	0	33	-559	6.8	114.4	138.6	0.0	240.1	4
1F	40	534	199	899	0	33	0	6.8	16.3	22.5	0.0	43.9	3
1G	40	534	-2291	-783	0	-32	-559	6.8	114.2	138.6	0.0	240.1	4
1H	40	534	199	-783	0	-32	0	6.8	16.2	19.6	0.0	39.5	3
1I	40	-1918	-2257	891	0	39	-514	24.6	109.7	136.5	0.0	238.2	3
1J	40	-1918	165	891	0	39	-44	24.6	27.2	22.3	0.0	52.5	3
1K	40	-1918	-2257	-775	0	-39	-514	24.6	109.6	136.5	0.0	237.8	4
1L	40	-1918	165	-775	0	-39	-44	24.6	27.1	19.4	0.0	51.6	1
1M	40	810	-2257	891	0	39	-514	10.4	109.7	136.5	0.0	236.7	4
1N	40	810	165	891	0	39	-44	10.4	27.2	22.3	0.0	45.3	3
1O	40	810	-2257	-775	0	-39	-514	10.4	109.6	136.5	0.0	236.7	4
1P	40	810	165	-775	0	-39	-44	10.4	27.1	19.4	0.0	41.1	3
2	40	-950	-1578	103	0	0	-396	12.2	69.6	95.4	0.0	165.7	4
7	40	-949	-1590	99	0	-0	-402	12.1	70.6	96.2	0.0	167.0	4
8	40	-884	-1507	99	0	0	-384	11.3	67.5	91.1	0.0	158.3	4

ASTA NUM. 15 NI 580 NF 382 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1734	-2382	828	0	364	414	22.2	254.6	144.1	0.0	276.8	1	
1B	0	-1734	342	828	0	364	-145	22.2	207.4	20.7	0.0	229.6	1	
1C	0	-1734	-2382	-957	0	-416	414	22.2	280.5	144.1	0.0	302.7	1	
1D	0	-1734	342	-957	0	-416	-145	22.2	233.3	23.9	0.0	255.5	1	
1E	0	627	-2382	828	0	364	414	8.0	254.6	144.1	0.0	262.6	1	
1F	0	627	342	828	0	364	-145	8.0	207.4	20.7	0.0	215.4	1	
1G	0	627	-2382	-957	0	-416	414	8.0	280.5	144.1	0.0	288.5	1	
1H	0	627	342	-957	0	-416	-145	8.0	233.3	23.9	0.0	241.3	1	
1I	0	-2022	-2385	790	0	355	479	25.9	261.2	144.2	0.0	287.1	1	
1J	0	-2022	345	790	0	355	-210	25.9	214.1	20.9	0.0	240.0	1	
1K	0	-2022	-2385	-919	0	-407	479	25.9	287.1	144.2	0.0	313.0	1	
1L	0	-2022	345	-919	0	-407	-210	25.9	240.0	23.0	0.0	265.9	1	
1M	0	914	-2385	790	0	355	479	11.7	261.2	144.2	0.0	272.9	1	
1N	0	914	345	790	0	355	-210	11.7	214.1	20.9	0.0	225.8	1	
1O	0	914	-2385	-919	0	-407	479	11.7	287.1	144.2	0.0	298.8	1	
1P	0	914	345	-919	0	-407	-210	11.7	240.0	23.0	0.0	251.7	1	
2	0	-974	-1576	-107	0	-43	234	12.5	62.4	95.3	0.0	165.6	4	
7	0	-974	-1589	-103	0	-41	234	12.5	61.6	96.1	0.0	167.0	4	
8	0	-900	-1496	-104	0	-42	217	11.5	58.8	90.5	0.0	157.2	4	
1A	20	-1734	-2394	828	0	199	-82	22.2	113.8	144.8	0.0	252.2	4	
1B	20	-1734	330	828	0	199	-59	22.2	109.7	20.7	0.0	131.9	1	
1C	20	-1734	-2394	-957	0	-225	-82	22.2	126.8	144.8	0.0	252.3	4	
1D	20	-1734	330	-957	0	-225	-59	22.2	122.7	23.9	0.0	145.0	1	
1E	20	627	-2394	828	0	199	-82	8.0	113.8	144.8	0.0	251.1	4	
1F	20	627	330	828	0	199	-59	8.0	109.7	20.7	0.0	117.7	1	
1G	20	627	-2394	-957	0	-225	-82	8.0	126.8	144.8	0.0	251.1	4	
1H	20	627	330	-957	0	-225	-59	8.0	122.7	23.9	0.0	130.8	1	
1I	20	-2022	-2397	790	0	197	-29	25.9	103.4	145.0	0.0	252.9	4	
1J	20	-2022	333	790	0	197	-113	25.9	118.1	20.1	0.0	143.9	1	
1K	20	-2022	-2397	-919	0	-223	-29	25.9	116.4	145.0	0.0	253.0	4	
1L	20	-2022	333	-919	0	-223	-113	25.9	131.1	23.0	0.0	157.0	1	
1M	20	914	-2397	790	0	197	-29	11.7	103.4	145.0	0.0	251.6	4	
1N	20	914	333	790	0	197	-113	11.7	118.1	20.1	0.0	129.8	1	
1O	20	914	-2397	-919	0	-223	-29	11.7	116.4	145.0	0.0	251.6	4	
1P	20	914	333	-919	0	-223	-113	11.7	131.1	23.0	0.0	142.8	1	
2	20	-974	-1592	-107	0	-21	-83	12.5	25.1	96.2	0.0	167.2	4	
7	20	-974	-1605	-103	0	-20	-85	12.5	25.1	97.1	0.0	168.6	4	
8	20	-900	-1512	-104	0	-21	-84	11.5	25.1	91.4	0.0	158.8	4	
1A	40	-1734	-2406	828	0	33	-581	22.2	118.6	145.5	0.0	253.4	3	
1B	40	-1734	318	828	0	33	24	22.2	20.7	20.7	0.0	53.7	3	
1C	40	-1734	-2406	-957	0	-34	-581	22.2	118.7	145.5	0.0	254.2	3	
1D	40	-1734	318	-957	0	-34	24	22.2	20.9	23.9	0.0	57.5	3	
1E	40	627	-2406	828	0	33	-581	8.0	118.6	145.5	0.0	252.2	4	
1F	40	627	318	828	0	33	24	8.0	20.7	20.7	0.0	48.3	3	
1G	40	627	-2406	-957	0	-34	-581	8.0	118.7	145.5	0.0	252.2	4	
1H	40	627	318	-957	0	-34	24	8.0	20.9	23.9	0.0	52.5	3	
1I	40	-2022	-2409	790	0	39	-539	25.9	114.0	145.7	0.0	253.8	4	
1J	40	-2022	321	790	0	39	-18	25.9	22.5	19.8	0.0	54.2	3	
1K	40	-2022	-2409	-919	0	-39	-539	25.9	114.2	145.7	0.0	253.8	4	
1L	40	-2022	321	-919	0	-39	-18	25.9	22.6	23.0	0.0	57.9	3	
1M	40	914	-2409	790	0	39	-539	11.7	114.0	145.7	0.0	252.7	4	
1N	40	914	321	790	0	39	-18	11.7	22.5	19.8	0.0	48.1	3	
1O	40	914	-2409	-919	0	-39	-539	11.7	114.2	145.7	0.0	252.7	4	
1P	40	914	321	-919	0	-39	-18	11.7	22.6	23.0	0.0	52.2	3	

2	40	-974	-1607	-107	0	0	-403	12.5	70.8	97.2	0.0	168.8	4
7	40	-974	-1621	-103	0	0	-408	12.5	71.7	98.0	0.0	170.2	4
8	40	-900	-1528	-104	0	-0	-388	11.5	68.2	92.4	0.0	160.5	4

ASTA NUM. 16 NI 581 NF 383 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-916	-2012	863	0	469	222	11.7	273.4	121.6	0.0	285.1	1	
1B	0	-916	-716	863	0	469	-194	11.7	268.4	43.3	0.0	280.1	1	
1C	0	-916	-2012	-1009	0	-549	222	11.7	312.9	121.6	0.0	324.6	1	
1D	0	-916	-716	-1009	0	-549	-194	11.7	307.9	43.3	0.0	319.6	1	
1E	0	799	-2012	863	0	469	222	10.2	273.4	121.6	0.0	283.6	1	
1F	0	799	-716	863	0	469	-194	10.2	268.4	43.3	0.0	278.6	1	
1G	0	799	-2012	-1009	0	-549	222	10.2	312.9	121.6	0.0	323.1	1	
1H	0	799	-716	-1009	0	-549	-194	10.2	307.9	43.3	0.0	318.1	1	
1I	0	-1684	-1728	846	0	455	398	21.6	296.7	104.5	0.0	318.3	1	
1J	0	-1684	-1000	846	0	455	-369	21.6	291.7	60.5	0.0	313.3	1	
1K	0	-1684	-1728	-993	0	-534	398	21.6	336.2	104.5	0.0	357.7	1	
1L	0	-1684	-1000	-993	0	-534	-369	21.6	331.2	60.5	0.0	352.7	1	
1M	0	1568	-1728	846	0	455	398	20.1	296.7	104.5	0.0	316.8	1	
1N	0	1568	-1000	846	0	455	-369	20.1	291.7	60.5	0.0	311.8	1	
1O	0	1568	-1728	-993	0	-534	398	20.1	336.2	104.5	0.0	356.3	1	
1P	0	1568	-1000	-993	0	-534	-369	20.1	331.2	60.5	0.0	351.3	1	
2	0	622	-1583	-22	0	-9	-150	8.0	30.7	95.7	0.0	166.0	4	
7	0	622	-1625	-14	0	-5	-149	8.0	28.6	98.3	0.0	170.4	4	
8	0	406	-1643	-49	0	-25	-97	5.2	29.5	99.4	0.0	172.2	4	
1A	20	-916	-2024	863	0	297	-274	11.7	196.3	122.4	0.0	212.8	4	
1B	20	-916	-729	863	0	297	-246	11.7	191.4	44.1	0.0	203.1	1	
1C	20	-916	-2024	-1009	0	-347	-274	11.7	221.1	122.4	0.0	232.9	1	
1D	20	-916	-729	-1009	0	-347	-246	11.7	216.2	44.1	0.0	228.0	1	
1E	20	799	-2024	863	0	297	-274	10.2	196.3	122.4	0.0	212.7	4	
1F	20	799	-729	863	0	297	-246	10.2	191.4	44.1	0.0	201.6	1	
1G	20	799	-2024	-1009	0	-347	-274	10.2	221.1	122.4	0.0	231.4	1	
1H	20	799	-729	-1009	0	-347	-246	10.2	216.2	44.1	0.0	226.5	1	
1I	20	-1684	-1741	846	0	285	99	21.6	159.9	105.3	0.0	184.5	4	
1J	20	-1684	-1012	846	0	285	-619	21.6	251.1	61.2	0.0	272.7	1	
1K	20	-1684	-1741	-993	0	-335	99	21.6	184.7	105.3	0.0	206.3	1	
1L	20	-1684	-1012	-993	0	-335	-619	21.6	275.9	61.2	0.0	297.5	1	
1M	20	1568	-1741	846	0	285	99	20.1	159.9	105.3	0.0	184.3	4	
1N	20	1568	-1012	846	0	285	-619	20.1	251.1	61.2	0.0	271.2	1	
1O	20	1568	-1741	-993	0	-335	99	20.1	184.7	105.3	0.0	204.8	1	
1P	20	1568	-1012	-993	0	-335	-619	20.1	275.9	61.2	0.0	296.0	1	
2	20	622	-1599	-22	0	-5	-468	8.0	84.4	96.7	0.0	168.9	3	
7	20	622	-1641	-14	0	-2	-476	8.0	84.6	99.2	0.0	173.0	3	
8	20	406	-1659	-49	0	-15	-428	5.2	82.5	100.3	0.0	173.9	4	
1A	40	-916	-2037	863	0	124	-772	11.7	197.7	123.2	0.0	233.9	3	
1B	40	-916	-741	863	0	124	-300	11.7	114.8	44.8	0.0	126.6	1	
1C	40	-916	-2037	-1009	0	-145	-772	11.7	207.8	123.2	0.0	235.2	3	
1D	40	-916	-741	-1009	0	-145	-300	11.7	125.0	44.8	0.0	136.7	1	
1E	40	799	-2037	863	0	124	-772	10.2	197.7	123.2	0.0	233.0	3	
1F	40	799	-741	863	0	124	-300	10.2	114.8	44.8	0.0	125.1	1	
1G	40	799	-2037	-1009	0	-145	-772	10.2	207.8	123.2	0.0	234.4	3	
1H	40	799	-741	-1009	0	-145	-300	10.2	125.0	44.8	0.0	135.2	1	
1I	40	-1684	-1753	846	0	116	-201	21.6	93.4	106.0	0.0	185.2	4	
1J	40	-1684	-1025	846	0	116	-871	21.6	211.0	62.0	0.0	232.5	1	
1K	40	-1684	-1753	-993	0	-137	-201	21.6	103.6	106.0	0.0	185.3	4	
1L	40	-1684	-1025	-993	0	-137	-871	21.6	221.1	62.0	0.0	242.7	1	
1M	40	1568	-1753	846	0	116	-201	20.1	93.4	106.0	0.0	185.0	4	
1N	40	1568	-1025	846	0	116	-871	20.1	211.0	62.0	0.0	231.0	1	
1O	40	1568	-1753	-993	0	-137	-201	20.1	103.6	106.0	0.0	185.1	4	
1P	40	1568	-1025	-993	0	-137	-871	20.1	221.1	62.0	0.0	241.2	1	
2	40	622	-1615	-22	0	-0	-789	8.0	138.7	97.7	0.0	196.8	3	
7	40	622	-1657	-14	0	1	-806	8.0	141.9	100.2	0.0	201.4	3	
8	40	406	-1675	-49	0	-5	-761	5.2	136.1	101.3	0.0	197.0	3	

ASTA NUM. 17 NI 583 NF 385 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1163	-1980	579	0	305	-11	14.9	154.1	119.8	0.0	208.6	4	
1B	0	1163	-1072	579	0	305	-1617	14.9	436.1	64.8	0.0	451.0	1	
1C	0	1163	-1980	-836	0	-422	-11	14.9	212.4	119.8	0.0	227.3	1	
1D	0	1163	-1072	-836	0	-422	-1617	14.9	494.5	64.8	0.0	509.3	1	
1E	0	5399	-1980	579	0	305	-11	69.1	154.1	119.8	0.0	223.2	1	
1F	0	5399	-1072	579	0	305	-1617	69.1	436.1	64.8	0.0	505.2	1	
1G	0	5399	-1980	-836	0	-422	-11	69.1	212.4	119.8	0.0	281.5	1	
1H	0	5399	-1072	-836	0	-422	-1617	69.1	494.5	64.8	0.0	563.6	1	
1I	0	240	-2110	615	0	282	448	3.1	219.3	127.6	0.0	222.3	1	
1J	0	240	-942	615	0	282	-2076	3.1	505.1	56.9	0.0	508.2	1	
1K	0	240	-2110	-871	0	-399	448	3.1	277.6	127.6	0.0	280.7	1	
1L	0	240	-942	-871	0	-399	-2076	3.1	563.5	56.9	0.0	566.5	1	

1M	0	6322	-2110	615	0	282	448	81.0	219.3	127.6	0.0	300.2	1
1N	0	6322	-942	615	0	282	-2076	81.0	505.1	56.9	0.0	586.1	1
1O	0	6322	-2110	-871	0	-399	448	81.0	277.6	127.6	0.0	358.6	1
1P	0	6322	-942	-871	0	-399	-2076	81.0	563.5	56.9	0.0	644.4	1
2	0	9546	-2479	-374	0	-149	-1307	122.2	303.9	149.9	0.0	426.1	1
7	0	8248	-2331	-361	0	-139	-1295	105.6	296.8	141.0	0.0	402.5	1
8	0	7968	-2328	-291	0	-120	-1249	102.0	279.2	140.8	0.0	381.2	1
1A	20	1163	-1993	579	0	222	-365	14.9	175.0	120.5	0.0	209.7	4
1B	20	1163	-1084	579	0	222	-1877	14.9	440.5	65.6	0.0	455.4	1
1C	20	1163	-1993	-836	0	-288	-365	14.9	207.7	120.5	0.0	222.6	1
1D	20	1163	-1084	-836	0	-288	-1877	14.9	473.2	65.6	0.0	488.1	1
1E	20	5399	-1993	579	0	222	-365	69.1	175.0	120.5	0.0	244.1	1
1F	20	5399	-1084	579	0	222	-1877	69.1	440.5	65.6	0.0	509.6	1
1G	20	5399	-1993	-836	0	-288	-365	69.1	207.7	120.5	0.0	276.8	1
1H	20	5399	-1084	-836	0	-288	-1877	69.1	473.2	65.6	0.0	542.3	1
1I	20	240	-2123	615	0	197	53	3.1	107.6	128.4	0.0	222.5	4
1J	20	240	-954	615	0	197	-2295	3.1	501.1	57.7	0.0	504.2	1
1K	20	240	-2123	-871	0	-262	53	3.1	140.3	128.4	0.0	222.5	4
1L	20	240	-954	-871	0	-262	-2295	3.1	533.9	57.7	0.0	536.9	1
1M	20	6322	-2123	615	0	197	53	81.0	107.6	128.4	0.0	238.2	4
1N	20	6322	-954	615	0	197	-2295	81.0	501.1	57.7	0.0	582.1	1
1O	20	6322	-2123	-871	0	-262	53	81.0	140.3	128.4	0.0	238.7	4
1P	20	6322	-954	-871	0	-262	-2295	81.0	533.9	57.7	0.0	614.8	1
2	20	9546	-2495	-374	0	-74	-1804	122.2	353.9	150.9	0.0	476.1	1
7	20	8248	-2347	-361	0	-67	-1762	105.6	342.8	141.9	0.0	448.4	1
8	20	7968	-2344	-291	0	-62	-1716	102.0	332.2	141.8	0.0	434.2	1
1A	40	1163	-2005	579	0	140	-721	14.9	196.3	121.3	0.0	227.5	3
1B	40	1163	-1097	579	0	140	-2139	14.9	445.3	66.3	0.0	460.1	1
1C	40	1163	-2005	-836	0	-154	-721	14.9	203.4	121.3	0.0	229.2	3
1D	40	1163	-1097	-836	0	-154	-2139	14.9	452.4	66.3	0.0	467.3	1
1E	40	5399	-2005	579	0	140	-721	69.1	196.3	121.3	0.0	265.4	1
1F	40	5399	-1097	579	0	140	-2139	69.1	445.3	66.3	0.0	514.4	1
1G	40	5399	-2005	-836	0	-154	-721	69.1	203.4	121.3	0.0	272.6	1
1H	40	5399	-1097	-836	0	-154	-2139	69.1	452.4	66.3	0.0	521.5	1
1I	40	240	-2135	615	0	112	-344	3.1	116.2	129.1	0.0	223.7	4
1J	40	240	-967	615	0	112	-2516	3.1	497.6	58.5	0.0	500.7	1
1K	40	240	-2135	-871	0	-126	-344	3.1	123.4	129.1	0.0	223.7	4
1L	40	240	-967	-871	0	-126	-2516	3.1	504.7	58.5	0.0	507.8	1
1M	40	6322	-2135	615	0	112	-344	81.0	116.2	129.1	0.0	242.8	3
1N	40	6322	-967	615	0	112	-2516	81.0	497.6	58.5	0.0	578.5	1
1O	40	6322	-2135	-871	0	-126	-344	81.0	123.4	129.1	0.0	244.5	3
1P	40	6322	-967	-871	0	-126	-2516	81.0	504.7	58.5	0.0	585.7	1
2	40	9546	-2511	-374	0	1	-2305	122.2	404.9	151.8	0.0	527.2	1
7	40	8248	-2363	-361	0	5	-2233	105.6	394.7	142.9	0.0	500.3	1
8	40	7968	-2360	-291	0	-4	-2187	102.0	385.8	142.7	0.0	487.8	1

ASTA NUM. 18 NI 366 NF 594 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	976	2343	-191	0	20	-721	12.5	136.7	141.7	0.0	250.7	3	
1B	0	976	3315	-191	0	20	-2317	12.5	416.9	200.5	0.0	474.7	3	
1C	0	976	2343	-1145	0	-33	-721	12.5	142.8	141.7	0.0	255.6	3	
1D	0	976	3315	-1145	0	-33	-2317	12.5	423.0	200.5	0.0	477.4	3	
1E	0	3590	2343	-191	0	20	-721	46.0	136.7	141.7	0.0	268.4	3	
1F	0	3590	3315	-191	0	20	-2317	46.0	416.9	200.5	0.0	500.5	3	
1G	0	3590	2343	-1145	0	-33	-721	46.0	142.8	141.7	0.0	273.0	3	
1H	0	3590	3315	-1145	0	-33	-2317	46.0	423.0	200.5	0.0	503.1	3	
1I	0	115	1812	-96	0	31	191	1.5	48.9	109.6	0.0	189.9	4	
1J	0	115	3846	-96	0	31	-3229	1.5	582.2	232.6	0.0	603.6	3	
1K	0	115	1812	-1240	0	-43	191	1.5	54.9	109.6	0.0	189.9	4	
1L	0	115	3846	-1240	0	-43	-3229	1.5	588.3	232.6	0.0	606.2	3	
1M	0	4451	1812	-96	0	31	191	57.0	48.9	109.6	0.0	198.4	4	
1N	0	4451	3846	-96	0	31	-3229	57.0	582.2	232.6	0.0	648.9	3	
1O	0	4451	1812	-1240	0	-43	191	57.0	54.9	109.6	0.0	198.5	4	
1P	0	4451	3846	-1240	0	-43	-3229	57.0	588.3	232.6	0.0	651.4	3	
2	0	7967	4820	-1036	0	-24	-1791	102.0	326.2	291.5	0.0	585.7	3	
7	0	6755	4515	-1023	0	-21	-1712	86.5	311.2	273.0	0.0	546.3	3	
8	0	6487	4480	-972	0	-18	-1839	83.1	332.1	270.9	0.0	553.4	3	
1A	20	976	2331	-191	0	49	-226	12.5	64.4	141.0	0.0	244.6	4	
1B	20	976	3303	-191	0	49	-1682	12.5	320.0	199.7	0.0	407.4	3	
1C	20	976	2331	-1145	0	206	-226	12.5	142.4	141.0	0.0	244.8	4	
1D	20	976	3303	-1145	0	206	-1682	12.5	398.0	199.7	0.0	412.6	3	
1E	20	3590	2331	-191	0	49	-226	46.0	64.4	141.0	0.0	248.7	4	
1F	20	3590	3303	-191	0	49	-1682	46.0	320.0	199.7	0.0	429.9	3	
1G	20	3590	2331	-1145	0	206	-226	46.0	142.4	141.0	0.0	249.4	4	
1H	20	3590	3303	-1145	0	206	-1682	46.0	398.0	199.7	0.0	443.9	1	
1I	20	115	1800	-96	0	270	626	1.5	244.8	108.9	0.0	246.3	1	
1J	20	115	3834	-96	0	270	-2534	1.5	579.9	231.8	0.0	581.3	1	
1K	20	115	1800	-1240	0	-15	626	1.5	117.5	108.9	0.0	201.1	3	
1L	20	115	3834	-1240	0	-15	-2534	1.5	452.5	231.8	0.0	525.8	3	
1M	20	4451	1800	-96	0	270	626	57.0	244.8	108.9	0.0	301.8	1	
1N	20	4451	3834	-96	0	270	-2534	57.0	579.9	231.8	0.0	636.9	1	
1O	20	4451	1800	-1240	0	-15	626	57.0	117.5	108.9	0.0	232.6	3	
1P	20	4451	3834	-1240	0	-15	-2534	57.0	452.5	231.8	0.0	567.2	3	
2	20	7967	4804	-1036	0	184	-829	102.0	237.2	290.5	0.0	514.3	4	
7	20	6755	4499	-1023	0	183	-810	86.5	233.8	272.1	0.0	479.9	4	
8	20	6487	4464	-972	0	176	-945	83.1	253.7	270.0	0.0	478.5	3	

1A	40	976	2319	-191	0	78	266	12.5	85.9	140.3	0.0	243.4	4
1B	40	976	3291	-191	0	78	-1049	12.5	223.4	199.0	0.0	352.8	3
1C	40	976	2319	-1145	0	444	266	12.5	268.3	140.3	0.0	280.8	1
1D	40	976	3291	-1145	0	444	-1049	12.5	405.8	199.0	0.0	418.3	1
1E	40	3590	2319	-191	0	78	266	46.0	85.9	140.3	0.0	247.6	4
1F	40	3590	3291	-191	0	78	-1049	46.0	223.4	199.0	0.0	370.1	3
1G	40	3590	2319	-1145	0	444	266	46.0	268.3	140.3	0.0	314.3	1
1H	40	3590	3291	-1145	0	444	-1049	46.0	405.8	199.0	0.0	451.8	1
1I	40	115	1788	-96	0	510	1059	1.5	440.4	108.2	0.0	441.9	1
1J	40	115	3822	-96	0	510	-1842	1.5	577.9	231.1	0.0	579.4	1
1K	40	115	1788	-1240	0	13	1059	1.5	192.1	108.2	0.0	237.7	3
1L	40	115	3822	-1240	0	13	-1842	1.5	329.7	231.1	0.0	455.8	3
1M	40	4451	1788	-96	0	510	1059	57.0	440.4	108.2	0.0	497.4	1
1N	40	4451	3822	-96	0	510	-1842	57.0	577.9	231.1	0.0	634.9	1
1O	40	4451	1788	-1240	0	13	1059	57.0	192.1	108.2	0.0	278.1	3
1P	40	4451	3822	-1240	0	13	-1842	57.0	329.7	231.1	0.0	491.5	3
2	40	7967	4788	-1036	0	391	130	102.0	218.1	289.5	0.0	513.6	4
7	40	6755	4483	-1023	0	388	88	86.5	209.2	271.1	0.0	479.1	4
8	40	6487	4448	-972	0	370	-54	83.1	194.3	269.0	0.0	474.8	4

ASTA NUM. 19 NI 585 NF 387 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-641	-600	1145	0	375	153	8.2	214.2	36.3	0.0	222.4	1	
1B	0	-641	331	1145	0	375	-149	8.2	213.4	28.6	0.0	221.6	1	
1C	0	-641	-600	-1403	0	-480	153	8.2	266.5	36.3	0.0	274.7	1	
1D	0	-641	331	-1403	0	-480	-149	8.2	265.7	35.1	0.0	273.9	1	
1E	0	622	-600	1145	0	375	153	8.0	214.2	36.3	0.0	222.1	1	
1F	0	622	331	1145	0	375	-149	8.0	213.4	28.6	0.0	221.3	1	
1G	0	622	-600	-1403	0	-480	153	8.0	266.5	36.3	0.0	274.5	1	
1H	0	622	331	-1403	0	-480	-149	8.0	265.7	35.1	0.0	273.7	1	
1I	0	-610	-561	607	0	215	144	7.8	132.6	33.9	0.0	140.4	1	
1J	0	-610	291	607	0	215	-139	7.8	131.8	17.6	0.0	139.6	1	
1K	0	-610	-561	-865	0	-320	144	7.8	184.9	33.9	0.0	192.7	1	
1L	0	-610	291	-865	0	-320	-139	7.8	184.1	21.6	0.0	191.9	1	
1M	0	591	-561	607	0	215	144	7.6	132.6	33.9	0.0	140.2	1	
1N	0	591	291	607	0	215	-139	7.6	131.8	17.6	0.0	139.4	1	
1O	0	591	-561	-865	0	-320	144	7.6	184.9	33.9	0.0	192.5	1	
1P	0	591	291	-865	0	-320	-139	7.6	184.1	21.6	0.0	191.7	1	
2	0	272	242	-934	0	-368	-60	3.5	194.3	23.4	0.0	197.8	1	
7	0	239	124	-811	0	-316	-53	3.1	167.0	20.3	0.0	170.1	1	
8	0	188	119	-680	0	-269	-41	2.4	141.7	17.0	0.0	144.1	1	
1A	20	-641	-613	1145	0	134	-35	8.2	73.1	37.1	0.0	81.3	1	
1B	20	-641	319	1145	0	134	-17	8.2	69.9	28.6	0.0	78.1	1	
1C	20	-641	-613	-1403	0	-187	-35	8.2	99.7	37.1	0.0	107.9	1	
1D	20	-641	319	-1403	0	-187	-17	8.2	96.4	35.1	0.0	104.6	1	
1E	20	622	-613	1145	0	134	-35	8.0	73.1	37.1	0.0	81.1	1	
1F	20	622	319	1145	0	134	-17	8.0	69.9	28.6	0.0	77.8	1	
1G	20	622	-613	-1403	0	-187	-35	8.0	99.7	37.1	0.0	107.6	1	
1H	20	622	319	-1403	0	-187	-17	8.0	96.4	35.1	0.0	104.4	1	
1I	20	-610	-573	607	0	62	147	7.8	56.8	34.6	0.0	67.4	3	
1J	20	-610	279	607	0	62	-199	7.8	65.9	16.9	0.0	73.7	1	
1K	20	-610	-573	-865	0	-115	147	7.8	83.4	34.6	0.0	91.2	1	
1L	20	-610	279	-865	0	-115	-199	7.8	92.4	21.6	0.0	100.3	1	
1M	20	591	-573	607	0	62	147	7.6	56.8	34.6	0.0	67.3	3	
1N	20	591	279	607	0	62	-199	7.6	65.9	16.9	0.0	73.5	1	
1O	20	591	-573	-865	0	-115	147	7.6	83.4	34.6	0.0	90.9	1	
1P	20	591	279	-865	0	-115	-199	7.6	92.4	21.6	0.0	100.0	1	
2	20	272	226	-934	0	-181	-13	3.5	92.8	23.4	0.0	96.3	1	
7	20	239	108	-811	0	-154	-30	3.1	81.9	20.3	0.0	85.0	1	
8	20	188	103	-680	0	-133	-19	2.4	69.9	17.0	0.0	72.3	1	
1A	40	-641	-625	1145	0	-107	-226	8.2	93.0	37.8	0.0	101.2	1	
1B	40	-641	306	1145	0	-107	113	8.2	73.2	28.6	0.0	81.4	1	
1C	40	-641	-625	-1403	0	105	-226	8.2	92.2	37.8	0.0	100.4	1	
1D	40	-641	306	-1403	0	105	113	8.2	72.4	35.1	0.0	80.6	1	
1E	40	622	-625	1145	0	-107	-226	8.0	93.0	37.8	0.0	101.0	1	
1F	40	622	306	1145	0	-107	113	8.0	73.2	28.6	0.0	81.2	1	
1G	40	622	-625	-1403	0	105	-226	8.0	92.2	37.8	0.0	100.2	1	
1H	40	622	306	-1403	0	105	113	8.0	72.4	35.1	0.0	80.4	1	
1I	40	-610	-585	607	0	-91	148	7.8	71.4	35.4	0.0	79.2	1	
1J	40	-610	266	607	0	-91	-261	7.8	91.3	16.1	0.0	99.1	1	
1K	40	-610	-585	-865	0	89	148	7.8	70.6	35.4	0.0	78.4	1	
1L	40	-610	266	-865	0	89	-261	7.8	90.5	21.6	0.0	98.3	1	
1M	40	591	-585	607	0	-91	148	7.6	71.4	35.4	0.0	79.0	1	
1N	40	591	266	607	0	-91	-261	7.6	91.3	16.1	0.0	98.8	1	
1O	40	591	-585	-865	0	89	148	7.6	70.6	35.4	0.0	78.2	1	
1P	40	591	266	-865	0	89	-261	7.6	90.5	21.6	0.0	98.0	1	
2	40	272	210	-934	0	6	31	3.5	8.1	23.4	0.0	45.7	3	
7	40	239	92	-811	0	9	-10	3.1	6.1	20.3	0.0	36.5	3	
8	40	188	88	-680	0	3	0	2.4	1.3	17.0	0.0	30.7	3	

ASTA NUM. 20 NI 364 NF 592 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-57	-1184	361	0	13	461	0.7	87.4	71.6	0.0	132.1	3	
1B	0	-57	459	361	0	13	-277	0.7	55.1	27.8	0.0	62.4	3	
1C	0	-57	-1184	-813	0	-60	461	0.7	110.7	71.6	0.0	136.3	3	
1D	0	-57	459	-813	0	-60	-277	0.7	78.4	27.8	0.0	79.2	1	
1E	0	530	-1184	361	0	13	461	6.8	87.4	71.6	0.0	135.4	3	
1F	0	530	459	361	0	13	-277	6.8	55.1	27.8	0.0	66.7	3	
1G	0	530	-1184	-813	0	-60	461	6.8	110.7	71.6	0.0	139.6	3	
1H	0	530	459	-813	0	-60	-277	6.8	78.4	27.8	0.0	85.2	1	
1I	0	-390	-992	728	0	16	457	5.0	88.1	60.0	0.0	122.6	3	
1J	0	-390	267	728	0	16	-273	5.0	55.8	18.2	0.0	61.2	3	
1K	0	-390	-992	-1179	0	-62	457	5.0	111.4	60.0	0.0	129.7	3	
1L	0	-390	267	-1179	0	-62	-273	5.0	79.1	29.5	0.0	84.1	1	
1M	0	864	-992	728	0	16	457	11.1	88.1	60.0	0.0	126.4	3	
1N	0	864	267	728	0	16	-273	11.1	55.8	18.2	0.0	66.9	1	
1O	0	864	-992	-1179	0	-62	457	11.1	111.4	60.0	0.0	133.2	3	
1P	0	864	267	-1179	0	-62	-273	11.1	79.1	29.5	0.0	90.2	1	
2	0	672	-886	368	0	-52	205	8.6	62.1	53.6	0.0	93.7	3	
7	0	635	-763	265	0	-51	163	8.1	53.9	46.1	0.0	80.4	4	
8	0	550	-759	161	0	-45	182	7.0	54.3	45.9	0.0	79.9	4	
1A	20	-57	-1196	361	0	160	237	0.7	121.5	72.3	0.0	125.4	4	
1B	20	-57	447	361	0	160	-200	0.7	115.1	27.0	0.0	115.8	1	
1C	20	-57	-1196	-813	0	-116	237	0.7	99.6	72.3	0.0	125.3	4	
1D	20	-57	447	-813	0	-116	-200	0.7	93.3	27.0	0.0	94.0	1	
1E	20	530	-1196	361	0	160	237	6.8	121.5	72.3	0.0	128.2	1	
1F	20	530	447	361	0	160	-200	6.8	115.1	27.0	0.0	121.9	1	
1G	20	530	-1196	-813	0	-116	237	6.8	99.6	72.3	0.0	125.8	3	
1H	20	530	447	-813	0	-116	-200	6.8	93.3	27.0	0.0	100.0	1	
1I	20	-390	-1004	728	0	246	273	5.0	170.7	60.7	0.0	175.7	1	
1J	20	-390	255	728	0	246	-237	5.0	164.4	18.2	0.0	169.3	1	
1K	20	-390	-1004	-1179	0	-202	273	5.0	148.9	60.7	0.0	153.9	1	
1L	20	-390	255	-1179	0	-202	-237	5.0	142.5	29.5	0.0	147.5	1	
1M	20	864	-1004	728	0	246	273	11.1	170.7	60.7	0.0	181.8	1	
1N	20	864	255	728	0	246	-237	11.1	164.4	18.2	0.0	175.4	1	
1O	20	864	-1004	-1179	0	-202	273	11.1	148.9	60.7	0.0	160.0	1	
1P	20	864	255	-1179	0	-202	-237	11.1	142.5	29.5	0.0	153.6	1	
2	20	672	-902	368	0	-126	26	8.6	67.5	54.5	0.0	95.2	4	
7	20	635	-779	265	0	-104	9	8.1	53.3	47.1	0.0	82.2	4	
8	20	550	-775	161	0	-77	28	7.0	43.4	46.9	0.0	81.7	4	
1A	40	-57	-1208	361	0	307	10	0.7	155.1	73.1	0.0	155.8	1	
1B	40	-57	435	361	0	307	-126	0.7	175.4	26.3	0.0	176.2	1	
1C	40	-57	-1208	-813	0	-173	10	0.7	88.2	73.1	0.0	126.6	4	
1D	40	-57	435	-813	0	-173	-126	0.7	108.5	26.3	0.0	109.2	1	
1E	40	530	-1208	361	0	307	10	6.8	155.1	73.1	0.0	161.9	1	
1F	40	530	435	361	0	307	-126	6.8	175.4	26.3	0.0	182.2	1	
1G	40	530	-1208	-813	0	-173	10	6.8	88.2	73.1	0.0	127.0	4	
1H	40	530	435	-813	0	-173	-126	6.8	108.5	26.3	0.0	115.3	1	
1I	40	-390	-1016	728	0	476	87	5.0	253.0	61.5	0.0	258.0	1	
1J	40	-390	243	728	0	476	-203	5.0	273.3	18.2	0.0	278.3	1	
1K	40	-390	-1016	-1179	0	-342	87	5.0	186.0	61.5	0.0	191.0	1	
1L	40	-390	243	-1179	0	-342	-203	5.0	206.4	29.5	0.0	211.4	1	
1M	40	864	-1016	728	0	476	87	11.1	253.0	61.5	0.0	264.0	1	
1N	40	864	243	728	0	476	-203	11.1	273.3	18.2	0.0	284.4	1	
1O	40	864	-1016	-1179	0	-342	87	11.1	186.0	61.5	0.0	197.1	1	
1P	40	864	243	-1179	0	-342	-203	11.1	206.4	29.5	0.0	217.4	1	
2	40	672	-918	368	0	-199	-156	8.6	126.9	55.5	0.0	135.5	1	
7	40	635	-795	265	0	-156	-148	8.1	104.2	48.1	0.0	112.3	1	
8	40	550	-791	161	0	-109	-128	7.0	77.1	47.8	0.0	84.1	1	

ASTA NUM. 21 NI 587 NF 389 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-96	-694	786	0	246	24	1.2	126.7	42.0	0.0	128.0	1	
1B	0	-96	573	786	0	246	-126	1.2	144.8	34.6	0.0	146.0	1	
1C	0	-96	-694	-501	0	-118	24	1.2	63.1	42.0	0.0	72.8	4	
1D	0	-96	573	-501	0	-118	-126	1.2	81.1	34.6	0.0	82.4	1	
1E	0	534	-694	786	0	246	24	6.8	126.7	42.0	0.0	133.6	1	
1F	0	534	573	786	0	246	-126	6.8	144.8	34.6	0.0	151.6	1	
1G	0	534	-694	-501	0	-118	24	6.8	63.1	42.0	0.0	73.3	4	
1H	0	534	573	-501	0	-118	-126	6.8	81.1	34.6	0.0	88.0	1	
1I	0	-358	-344	594	0	235	89	4.6	133.2	20.8	0.0	137.7	1	
1J	0	-358	223	594	0	235	-192	4.6	151.2	14.8	0.0	155.8	1	
1K	0	-358	-344	-309	0	-108	89	4.6	69.5	20.8	0.0	74.1	1	
1L	0	-358	223	-309	0	-108	-192	4.6	87.5	13.5	0.0	92.1	1	
1M	0	796	-344	594	0	235	89	10.2	133.2	20.8	0.0	143.4	1	
1N	0	796	223	594	0	235	-192	10.2	151.2	14.8	0.0	161.4	1	
1O	0	796	-344	-309	0	-108	89	10.2	69.5	20.8	0.0	79.7	1	
1P	0	796	223	-309	0	-108	-192	10.2	87.5	13.5	0.0	97.7	1	
2	0	1170	226	674	0	320	-276	15.0	208.0	16.8	0.0	223.0	1	
7	0	1027	150	610	0	291	-242	13.1	187.8	15.2	0.0	200.9	1	
8	0	863	104	500	0	236	-203	11.0	153.4	12.5	0.0	164.4	1	
1A	20	-96	-706	786	0	69	130	1.2	57.3	42.7	0.0	77.7	3	
1B	20	-96	560	786	0	69	-260	1.2	80.1	33.9	0.0	81.3	1	

1C	20	-96	-706	-501	0	2	130	1.2	23.7	42.7	0.0	74.0	4
1D	20	-96	560	-501	0	2	-260	1.2	46.4	33.9	0.0	69.5	3
1E	20	534	-706	786	0	69	130	6.8	57.3	42.7	0.0	79.5	3
1F	20	534	560	786	0	69	-260	6.8	80.1	33.9	0.0	86.9	1
1G	20	534	-706	-501	0	2	130	6.8	23.7	42.7	0.0	74.5	3
1H	20	534	560	-501	0	2	-260	6.8	46.4	33.9	0.0	72.9	3
1I	20	-358	-356	594	0	73	127	4.6	58.7	21.6	0.0	63.3	1
1J	20	-358	210	594	0	73	-257	4.6	81.4	14.8	0.0	86.0	1
1K	20	-358	-356	-309	0	-2	127	4.6	23.5	21.6	0.0	43.1	3
1L	20	-358	210	-309	0	-2	-257	4.6	46.2	12.7	0.0	50.8	1
1M	20	796	-356	594	0	73	127	10.2	58.7	21.6	0.0	68.9	1
1N	20	796	210	594	0	73	-257	10.2	81.4	14.8	0.0	91.6	1
1O	20	796	-356	-309	0	-2	127	10.2	23.5	21.6	0.0	46.4	3
1P	20	796	210	-309	0	-2	-257	10.2	46.2	12.7	0.0	56.4	1
2	20	1170	210	674	0	185	-232	15.0	133.1	16.8	0.0	148.1	1
7	20	1027	134	610	0	169	-214	13.1	121.9	15.2	0.0	135.0	1
8	20	863	88	500	0	136	-184	11.0	100.1	12.5	0.0	111.1	1
1A	40	-96	-719	786	0	-108	235	1.2	95.0	43.5	0.0	96.2	1
1B	40	-96	548	786	0	-108	-396	1.2	123.2	33.1	0.0	124.5	1
1C	40	-96	-719	-501	0	121	235	1.2	101.7	43.5	0.0	103.0	1
1D	40	-96	548	-501	0	121	-396	1.2	130.0	33.1	0.0	131.3	1
1E	40	534	-719	786	0	-108	235	6.8	95.0	43.5	0.0	101.8	1
1F	40	534	548	786	0	-108	-396	6.8	123.2	33.1	0.0	130.1	1
1G	40	534	-719	-501	0	121	235	6.8	101.7	43.5	0.0	108.6	1
1H	40	534	548	-501	0	121	-396	6.8	130.0	33.1	0.0	136.9	1
1I	40	-358	-369	594	0	-90	163	4.6	73.3	22.3	0.0	77.9	1
1J	40	-358	198	594	0	-90	-324	4.6	101.6	14.8	0.0	106.1	1
1K	40	-358	-369	-309	0	103	163	4.6	80.0	22.3	0.0	84.6	1
1L	40	-358	198	-309	0	103	-324	4.6	108.3	12.0	0.0	112.9	1
1M	40	796	-369	594	0	-90	163	10.2	73.3	22.3	0.0	83.5	1
1N	40	796	198	594	0	-90	-324	10.2	101.6	14.8	0.0	111.7	1
1O	40	796	-369	-309	0	103	163	10.2	80.0	22.3	0.0	90.2	1
1P	40	796	198	-309	0	103	-324	10.2	108.3	12.0	0.0	118.5	1
2	40	1170	194	674	0	50	-192	15.0	58.7	16.8	0.0	73.7	1
7	40	1027	118	610	0	47	-189	13.1	56.5	15.2	0.0	69.7	1
8	40	863	73	500	0	36	-168	11.0	47.3	12.5	0.0	58.3	1

ASTA NUM. 22 NI 362 NF 590 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-378	-819	313	0	81	418	4.8	114.1	49.6	0.0	118.9	1	
1B	0	-378	862	313	0	81	-539	4.8	135.3	52.1	0.0	140.1	1	
1C	0	-378	-819	-1484	0	-76	418	4.8	111.4	49.6	0.0	121.6	3	
1D	0	-378	862	-1484	0	-76	-539	4.8	132.6	52.1	0.0	137.5	1	
1E	0	862	-819	313	0	81	418	11.0	114.1	49.6	0.0	125.1	1	
1F	0	862	862	313	0	81	-539	11.0	135.3	52.1	0.0	146.3	1	
1G	0	862	-819	-1484	0	-76	418	11.0	111.4	49.6	0.0	125.2	3	
1H	0	862	862	-1484	0	-76	-539	11.0	132.6	52.1	0.0	143.7	1	
1I	0	-570	-313	455	0	65	263	7.3	78.5	18.9	0.0	85.8	1	
1J	0	-570	356	455	0	65	-384	7.3	99.7	21.5	0.0	107.0	1	
1K	0	-570	-313	-1626	0	-59	263	7.3	75.9	40.7	0.0	90.1	3	
1L	0	-570	356	-1626	0	-59	-384	7.3	97.0	40.7	0.0	104.3	1	
1M	0	1054	-313	455	0	65	263	13.5	78.5	18.9	0.0	92.0	1	
1N	0	1054	356	455	0	65	-384	13.5	99.7	21.5	0.0	113.2	1	
1O	0	1054	-313	-1626	0	-59	263	13.5	75.9	40.7	0.0	93.5	3	
1P	0	1054	356	-1626	0	-59	-384	13.5	97.0	40.7	0.0	110.5	1	
2	0	623	-470	-774	0	4	53	8.0	11.2	28.5	0.0	57.7	3	
7	0	387	-326	-603	0	-3	50	5.0	10.3	19.7	0.0	42.1	3	
8	0	580	-354	-823	0	5	15	7.4	5.4	21.4	0.0	49.7	3	
1A	20	-378	-832	313	0	377	255	4.8	232.8	50.3	0.0	237.7	1	
1B	20	-378	850	313	0	377	-370	4.8	253.0	51.4	0.0	257.8	1	
1C	20	-378	-832	-1484	0	-137	255	4.8	113.2	50.3	0.0	118.1	1	
1D	20	-378	850	-1484	0	-137	-370	4.8	133.4	51.4	0.0	138.2	1	
1E	20	862	-832	313	0	377	255	11.0	232.8	50.3	0.0	243.9	1	
1F	20	862	850	313	0	377	-370	11.0	253.0	51.4	0.0	264.0	1	
1G	20	862	-832	-1484	0	-137	255	11.0	113.2	50.3	0.0	124.3	1	
1H	20	862	850	-1484	0	-137	-370	11.0	133.4	51.4	0.0	144.4	1	
1I	20	-570	-325	455	0	389	202	7.3	229.7	19.7	0.0	237.0	1	
1J	20	-570	343	455	0	389	-317	7.3	249.8	20.8	0.0	257.1	1	
1K	20	-570	-325	-1626	0	-149	202	7.3	110.1	40.7	0.0	117.4	1	
1L	20	-570	343	-1626	0	-149	-317	7.3	130.2	40.7	0.0	137.5	1	
1M	20	1054	-325	455	0	389	202	13.5	229.7	19.7	0.0	243.2	1	
1N	20	1054	343	455	0	389	-317	13.5	249.8	20.8	0.0	263.3	1	
1O	20	1054	-325	-1626	0	-149	202	13.5	110.1	40.7	0.0	123.6	1	
1P	20	1054	343	-1626	0	-149	-317	13.5	130.2	40.7	0.0	143.7	1	
2	20	623	-486	-774	0	159	-43	8.0	86.8	29.4	0.0	94.8	1	
7	20	387	-342	-603	0	118	-17	5.0	61.6	20.7	0.0	66.6	1	
8	20	580	-370	-823	0	170	-57	7.4	95.0	22.4	0.0	102.4	1	
1A	40	-378	-844	313	0	672	89	4.8	351.1	51.0	0.0	356.0	1	
1B	40	-378	837	313	0	672	-203	4.8	371.1	50.6	0.0	375.9	1	
1C	40	-378	-844	-1484	0	-198	89	4.8	114.6	51.0	0.0	119.4	1	
1D	40	-378	837	-1484	0	-198	-203	4.8	134.5	50.6	0.0	139.4	1	
1E	40	862	-844	313	0	672	89	11.0	351.1	51.0	0.0	362.2	1	
1F	40	862	837	313	0	672	-203	11.0	371.1	50.6	0.0	382.1	1	
1G	40	862	-844	-1484	0	-198	89	11.0	114.6	51.0	0.0	125.6	1	
1H	40	862	837	-1484	0	-198	-203	11.0	134.5	50.6	0.0	145.6	1	
1I	40	-570	-338	455	0	713	139	7.3	380.4	20.4	0.0	387.7	1	

1J	40	-570	331	455	0	713	-253	7.3	400.3	20.0	0.0	407.6	1
1K	40	-570	-338	-1626	0	-239	139	7.3	143.9	40.7	0.0	151.2	1
1L	40	-570	331	-1626	0	-239	-253	7.3	163.8	40.7	0.0	171.1	1
1M	40	1054	-338	455	0	713	139	13.5	380.4	20.4	0.0	393.9	1
1N	40	1054	331	455	0	713	-253	13.5	400.3	20.0	0.0	413.8	1
1O	40	1054	-338	-1626	0	-239	139	13.5	143.9	40.7	0.0	157.4	1
1P	40	1054	331	-1626	0	-239	-253	13.5	163.8	40.7	0.0	177.3	1
2	40	623	-502	-774	0	314	-142	8.0	181.5	30.4	0.0	189.4	1
7	40	387	-358	-603	0	238	-87	5.0	134.1	21.6	0.0	139.0	1
8	40	580	-386	-823	0	335	-133	7.4	190.4	23.3	0.0	197.8	1

ASTA NUM. 23 NI 588 NF 390 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-426	-609	671	0	225	101	5.4	129.9	36.8	0.0	135.4	1	
1B	0	-426	269	671	0	225	-11	5.4	114.2	16.8	0.0	119.7	1	
1C	0	-426	-609	-209	0	-23	101	5.4	29.2	36.8	0.0	64.1	4	
1D	0	-426	269	-209	0	-23	-11	5.4	13.5	16.3	0.0	28.8	4	
1E	0	40	-609	671	0	225	101	0.5	129.9	36.8	0.0	130.4	1	
1F	0	40	269	671	0	225	-11	0.5	114.2	16.8	0.0	114.7	1	
1G	0	40	-609	-209	0	-23	101	0.5	29.2	36.8	0.0	63.8	4	
1H	0	40	269	-209	0	-23	-11	0.5	13.5	16.3	0.0	28.2	4	
1I	0	-694	-396	761	0	319	167	8.9	188.7	24.0	0.0	197.6	1	
1J	0	-694	56	761	0	319	-77	8.9	173.0	19.0	0.0	181.9	1	
1K	0	-694	-396	-299	0	-118	167	8.9	88.0	24.0	0.0	96.8	1	
1L	0	-694	56	-299	0	-118	-77	8.9	72.2	7.5	0.0	81.1	1	
1M	0	308	-396	761	0	319	167	3.9	188.7	24.0	0.0	192.7	1	
1N	0	308	56	761	0	319	-77	3.9	173.0	19.0	0.0	176.9	1	
1O	0	308	-396	-299	0	-118	167	3.9	88.0	24.0	0.0	91.9	1	
1P	0	308	56	-299	0	-118	-77	3.9	72.2	7.5	0.0	76.2	1	
2	0	-1037	-604	1170	0	526	243	13.3	305.1	36.5	0.0	318.3	1	
7	0	-913	-511	1028	0	464	214	11.7	269.4	30.9	0.0	281.1	1	
8	0	-766	-466	871	0	389	179	9.8	225.9	28.2	0.0	235.7	1	
1A	20	-426	-622	671	0	61	141	5.4	55.4	37.6	0.0	70.8	3	
1B	20	-426	256	671	0	61	-122	5.4	52.1	16.8	0.0	57.6	1	
1C	20	-426	-622	-209	0	48	141	5.4	48.7	37.6	0.0	65.4	4	
1D	20	-426	256	-209	0	48	-122	5.4	45.3	15.5	0.0	50.8	1	
1E	20	40	-622	671	0	61	141	0.5	55.4	37.6	0.0	69.1	3	
1F	20	40	256	671	0	61	-122	0.5	52.1	16.8	0.0	52.6	1	
1G	20	40	-622	-209	0	48	141	0.5	48.7	37.6	0.0	65.1	4	
1H	20	40	256	-209	0	48	-122	0.5	45.3	15.5	0.0	45.8	1	
1I	20	-694	-408	761	0	209	164	8.9	133.3	24.7	0.0	142.2	1	
1J	20	-694	43	761	0	209	-145	8.9	130.0	19.0	0.0	138.9	1	
1K	20	-694	-408	-299	0	-100	164	8.9	78.8	24.7	0.0	87.7	1	
1L	20	-694	43	-299	0	-100	-145	8.9	75.4	7.5	0.0	84.3	1	
1M	20	308	-408	761	0	209	164	3.9	133.3	24.7	0.0	137.3	1	
1N	20	308	43	761	0	209	-145	3.9	130.0	19.0	0.0	133.9	1	
1O	20	308	-408	-299	0	-100	164	3.9	78.8	24.7	0.0	82.7	1	
1P	20	308	43	-299	0	-100	-145	3.9	75.4	7.5	0.0	79.4	1	
2	20	-1037	-620	1170	0	292	121	13.3	166.7	37.5	0.0	180.0	1	
7	20	-913	-527	1028	0	258	111	11.7	148.5	31.9	0.0	160.2	1	
8	20	-766	-482	871	0	215	85	9.8	122.3	29.1	0.0	132.1	1	
1A	40	-426	-634	671	0	-102	179	5.4	82.2	38.3	0.0	87.7	1	
1B	40	-426	244	671	0	-102	-235	5.4	92.1	16.8	0.0	97.6	1	
1C	40	-426	-634	-209	0	119	179	5.4	90.6	38.3	0.0	96.0	1	
1D	40	-426	244	-209	0	119	-235	5.4	100.5	14.8	0.0	105.9	1	
1E	40	40	-634	671	0	-102	179	0.5	82.2	38.3	0.0	82.7	1	
1F	40	40	244	671	0	-102	-235	0.5	92.1	16.8	0.0	92.6	1	
1G	40	40	-634	-209	0	119	179	0.5	90.6	38.3	0.0	91.1	1	
1H	40	40	244	-209	0	119	-235	0.5	100.5	14.8	0.0	101.0	1	
1I	40	-694	-421	761	0	100	158	8.9	77.5	25.4	0.0	86.4	1	
1J	40	-694	31	761	0	100	-214	8.9	87.4	19.0	0.0	96.3	1	
1K	40	-694	-421	-299	0	-83	158	8.9	69.1	25.4	0.0	78.0	1	
1L	40	-694	31	-299	0	-83	-214	8.9	79.1	7.5	0.0	87.9	1	
1M	40	308	-421	761	0	100	158	3.9	77.5	25.4	0.0	81.4	1	
1N	40	308	31	761	0	100	-214	3.9	87.4	19.0	0.0	91.4	1	
1O	40	308	-421	-299	0	-83	158	3.9	69.1	25.4	0.0	73.1	1	
1P	40	308	31	-299	0	-83	-214	3.9	79.1	7.5	0.0	83.0	1	
2	40	-1037	-636	1170	0	57	-5	13.3	29.5	38.4	0.0	79.7	3	
7	40	-913	-543	1028	0	53	4	11.7	27.0	32.8	0.0	69.0	3	
8	40	-766	-498	871	0	41	-13	9.8	22.9	30.1	0.0	61.3	3	

ASTA NUM. 24 NI 361 NF 589 Lungh. 40.0 cm SEZ. 1 Ps HEB 200

categoria: p.p. y qy tot.
qy medio: 0.6131 0.6131 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-950	-91	480	0	74	250	12.2	80.8	12.0	0.0	92.9	1	
1B	0	-950	688	480	0	74	-335	12.2	95.7	41.6	0.0	107.8	1	
1C	0	-950	-91	-1616	0	-68	250	12.2	78.0	40.4	0.0	90.1	1	
1D	0	-950	688	-1616	0	-68	-335	12.2	92.9	41.6	0.0	114.6	3	
1E	0	337	-91	480	0	74	250	4.3	80.8	12.0	0.0	85.1	1	

1F	0	337	688	480	0	74	-335	4.3	95.7	41.6	0.0	100.0	1
1G	0	337	-91	-1616	0	-68	250	4.3	78.0	40.4	0.0	82.7	3
1H	0	337	688	-1616	0	-68	-335	4.3	92.9	41.6	0.0	110.4	3
1I	0	-1102	129	552	0	59	177	14.1	60.5	13.8	0.0	74.6	1
1J	0	-1102	469	552	0	59	-262	14.1	75.4	28.3	0.0	89.5	1
1K	0	-1102	129	-1688	0	-53	177	14.1	57.8	42.2	0.0	85.0	3
1L	0	-1102	469	-1688	0	-53	-262	14.1	72.7	42.2	0.0	101.2	3
1M	0	489	129	552	0	59	177	6.3	60.5	13.8	0.0	66.8	1
1N	0	489	469	552	0	59	-262	6.3	75.4	28.3	0.0	81.7	1
1O	0	489	129	-1688	0	-53	177	6.3	57.8	42.2	0.0	81.5	3
1P	0	489	469	-1688	0	-53	-262	6.3	72.7	42.2	0.0	97.2	3
2	0	-669	853	-1017	0	9	-184	8.6	37.0	51.6	0.0	98.2	3
7	0	-457	701	-753	0	1	-172	5.9	30.7	42.4	0.0	79.9	3
8	0	-632	742	-993	0	10	-146	8.1	30.4	44.9	0.0	87.1	3
1A	20	-950	-103	480	0	396	239	12.2	239.8	12.0	0.0	252.0	1
1B	20	-950	676	480	0	396	-207	12.2	234.2	40.9	0.0	246.4	1
1C	20	-950	-103	-1616	0	-164	239	12.2	123.6	40.4	0.0	135.8	1
1D	20	-950	676	-1616	0	-164	-207	12.2	118.0	40.9	0.0	130.2	1
1E	20	337	-103	480	0	396	239	4.3	239.8	12.0	0.0	244.2	1
1F	20	337	676	480	0	396	-207	4.3	234.2	40.9	0.0	238.5	1
1G	20	337	-103	-1616	0	-164	239	4.3	123.6	40.4	0.0	128.0	1
1H	20	337	676	-1616	0	-164	-207	4.3	118.0	40.9	0.0	122.3	1
1I	20	-1102	117	552	0	396	223	14.1	236.6	13.8	0.0	250.7	1
1J	20	-1102	456	552	0	396	-190	14.1	231.0	27.6	0.0	245.1	1
1K	20	-1102	117	-1688	0	-163	223	14.1	120.4	42.2	0.0	134.5	1
1L	20	-1102	456	-1688	0	-163	-190	14.1	114.8	42.2	0.0	128.9	1
1M	20	489	117	552	0	396	223	6.3	236.6	13.8	0.0	242.9	1
1N	20	489	456	552	0	396	-190	6.3	231.0	27.6	0.0	237.2	1
1O	20	489	117	-1688	0	-163	223	6.3	120.4	42.2	0.0	126.7	1
1P	20	489	456	-1688	0	-163	-190	6.3	114.8	42.2	0.0	121.0	1
2	20	-669	837	-1017	0	213	-15	8.6	108.8	50.6	0.0	117.4	1
7	20	-457	685	-753	0	152	-34	5.9	81.5	41.4	0.0	87.4	1
8	20	-632	726	-993	0	208	1	8.1	104.1	43.9	0.0	112.1	1
1A	40	-950	-115	480	0	719	226	12.2	398.5	12.0	0.0	410.7	1
1B	40	-950	664	480	0	719	-81	12.2	373.2	40.1	0.0	385.3	1
1C	40	-950	-115	-1616	0	-259	226	12.2	168.9	40.4	0.0	181.0	1
1D	40	-950	664	-1616	0	-259	-81	12.2	143.5	40.4	0.0	155.7	1
1E	40	337	-115	480	0	719	226	4.3	398.5	12.0	0.0	402.8	1
1F	40	337	664	480	0	719	-81	4.3	373.2	40.1	0.0	377.5	1
1G	40	337	-115	-1616	0	-259	226	4.3	168.9	40.4	0.0	173.2	1
1H	40	337	664	-1616	0	-259	-81	4.3	143.5	40.4	0.0	147.8	1
1I	40	-1102	104	552	0	732	265	14.1	412.3	13.8	0.0	426.4	1
1J	40	-1102	444	552	0	732	-121	14.1	387.0	26.9	0.0	401.1	1
1K	40	-1102	104	-1688	0	-272	265	14.1	182.6	42.2	0.0	196.7	1
1L	40	-1102	444	-1688	0	-272	-121	14.1	157.3	42.2	0.0	171.4	1
1M	40	489	104	552	0	732	265	6.3	412.3	13.8	0.0	418.5	1
1N	40	489	444	552	0	732	-121	6.3	387.0	26.9	0.0	393.2	1
1O	40	489	104	-1688	0	-272	265	6.3	182.6	42.2	0.0	188.9	1
1P	40	489	444	-1688	0	-272	-121	6.3	157.3	42.2	0.0	163.6	1
2	40	-669	821	-1017	0	416	151	8.6	234.2	49.6	0.0	242.7	1
7	40	-457	669	-753	0	302	102	5.9	168.7	40.5	0.0	174.6	1
8	40	-632	710	-993	0	407	144	8.1	228.4	42.9	0.0	236.5	1

ASTA NUM. 25 NI 587 NF 585 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1565	-110	178	0	438	583	14.8	196.0	5.0	0.0	210.8	1	
1B	0	-1565	323	178	0	438	-439	14.8	180.7	14.6	0.0	195.5	1	
1C	0	-1565	-110	-126	0	-188	583	14.8	119.7	5.0	0.0	134.4	1	
1D	0	-1565	323	-126	0	-188	-439	14.8	104.4	14.6	0.0	119.1	1	
1E	0	817	-110	178	0	438	583	7.7	196.0	5.0	0.0	203.7	1	
1F	0	817	323	178	0	438	-439	7.7	180.7	14.6	0.0	188.4	1	
1G	0	817	-110	-126	0	-188	583	7.7	119.7	5.0	0.0	127.4	1	
1H	0	817	323	-126	0	-188	-439	7.7	104.4	14.6	0.0	112.1	1	
1I	0	-1377	-20	207	0	566	428	13.0	218.9	3.8	0.0	231.8	1	
1J	0	-1377	232	207	0	566	-284	13.0	203.6	10.5	0.0	216.6	1	
1K	0	-1377	-20	-155	0	-317	428	13.0	142.5	2.9	0.0	155.5	1	
1L	0	-1377	232	-155	0	-317	-284	13.0	127.2	10.5	0.0	140.2	1	
1M	0	630	-20	207	0	566	428	5.9	218.9	3.8	0.0	224.8	1	
1N	0	630	232	207	0	566	-284	5.9	203.6	10.5	0.0	209.5	1	
1O	0	630	-20	-155	0	-317	428	5.9	142.5	2.9	0.0	148.4	1	
1P	0	630	232	-155	0	-317	-284	5.9	127.2	10.5	0.0	133.2	1	
2	0	-1844	216	133	0	710	340	17.4	253.5	9.7	0.0	270.8	1	
7	0	-1638	198	114	0	614	251	15.5	214.6	9.0	0.0	230.1	1	
8	0	-1371	199	97	0	524	246	12.9	186.7	9.0	0.0	199.6	1	
1A	150	-1565	-235	178	0	154	287	14.8	77.8	10.6	0.0	92.5	1	
1B	150	-1565	198	178	0	154	-12	14.8	48.5	8.9	0.0	63.2	1	
1C	150	-1565	-235	-126	0	18	287	14.8	35.9	10.6	0.0	50.7	1	
1D	150	-1565	198	-126	0	18	-12	14.8	6.6	8.9	0.0	21.6	3	
1E	150	817	-235	178	0	154	287	7.7	77.8	10.6	0.0	85.5	1	
1F	150	817	198	178	0	154	-12	7.7	48.5	8.9	0.0	56.2	1	
1G	150	817	-235	-126	0	18	287	7.7	35.9	10.6	0.0	43.7	1	
1H	150	817	198	-126	0	18	-12	7.7	6.6	8.9	0.0	17.4	4	
1I	150	-1377	-145	207	0	208	186	13.0	83.4	6.5	0.0	96.4	1	
1J	150	-1377	107	207	0	208	89	13.0	73.0	4.8	0.0	86.0	1	
1K	150	-1377	-145	-155	0	-36	186	13.0	30.8	6.5	0.0	43.8	1	
1L	150	-1377	107	-155	0	-36	89	13.0	20.4	4.8	0.0	33.4	1	

1M	150	630	-145	207	0	208	186	5.9	83.4	6.5	0.0	89.3	1
1N	150	630	107	207	0	208	89	5.9	73.0	4.8	0.0	79.0	1
1O	150	630	-145	-155	0	-36	186	5.9	30.8	6.5	0.0	36.7	1
1P	150	630	107	-155	0	-36	89	5.9	20.4	4.8	0.0	26.4	1
2	150	-1844	53	133	0	510	541	17.4	213.8	2.5	0.0	231.2	1
7	150	-1638	36	114	0	444	427	15.5	181.2	2.1	0.0	196.6	1
8	150	-1371	37	97	0	380	423	12.9	161.2	1.8	0.0	174.2	1
1A	300	-1565	-360	178	0	-129	-197	14.8	60.4	16.2	0.0	75.2	1
1B	300	-1565	73	178	0	-129	229	14.8	63.8	3.3	0.0	78.6	1
1C	300	-1565	-360	-126	0	223	-197	14.8	89.3	16.2	0.0	104.0	1
1D	300	-1565	73	-126	0	223	229	14.8	92.7	3.3	0.0	107.4	1
1E	300	817	-360	178	0	-129	-197	7.7	60.4	16.2	0.0	68.1	1
1F	300	817	73	178	0	-129	229	7.7	63.8	3.3	0.0	71.5	1
1G	300	817	-360	-126	0	223	-197	7.7	89.3	16.2	0.0	97.0	1
1H	300	817	73	-126	0	223	229	7.7	92.7	3.3	0.0	100.4	1
1I	300	-1377	-269	207	0	-151	-243	13.0	72.1	12.2	0.0	85.1	1
1J	300	-1377	-17	207	0	-151	275	13.0	75.5	3.8	0.0	88.5	1
1K	300	-1377	-269	-155	0	245	-243	13.0	100.9	12.2	0.0	113.9	1
1L	300	-1377	-17	-155	0	245	275	13.0	104.3	2.9	0.0	117.3	1
1M	300	630	-269	207	0	-151	-243	5.9	72.1	12.2	0.0	78.0	1
1N	300	630	-17	207	0	-151	275	5.9	75.5	3.8	0.0	81.4	1
1O	300	630	-269	-155	0	245	-243	5.9	100.9	12.2	0.0	106.9	1
1P	300	630	-17	-155	0	245	275	5.9	104.3	2.9	0.0	110.3	1
2	300	-1844	-109	133	0	310	500	17.4	148.1	4.9	0.0	165.5	1
7	300	-1638	-126	114	0	273	359	15.5	121.8	5.7	0.0	137.2	1
8	300	-1371	-125	97	0	235	357	12.9	109.8	5.7	0.0	122.7	1

ASTA NUM. 26 NI 585 NF 583 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2679	-276	640	0	472	502	25.3	197.8	12.5	0.0	223.0	1	
1B	0	-2679	259	640	0	472	-409	25.3	187.9	11.8	0.0	213.1	1	
1C	0	-2679	-276	-607	0	-273	502	25.3	136.8	12.5	0.0	162.1	1	
1D	0	-2679	259	-607	0	-273	-409	25.3	127.0	11.7	0.0	152.2	1	
1E	0	2190	-276	640	0	472	502	20.7	197.8	12.5	0.0	218.4	1	
1F	0	2190	259	640	0	472	-409	20.7	187.9	11.8	0.0	208.5	1	
1G	0	2190	-276	-607	0	-273	502	20.7	136.8	12.5	0.0	157.5	1	
1H	0	2190	259	-607	0	-273	-409	20.7	127.0	11.7	0.0	147.6	1	
1I	0	-1568	-342	534	0	446	343	14.8	173.0	15.4	0.0	187.8	1	
1J	0	-1568	324	534	0	446	-250	14.8	163.1	14.6	0.0	177.9	1	
1K	0	-1568	-342	-501	0	-247	343	14.8	112.1	15.4	0.0	126.9	1	
1L	0	-1568	324	-501	0	-247	-250	14.8	102.2	14.6	0.0	117.0	1	
1M	0	1078	-342	534	0	446	343	10.2	173.0	15.4	0.0	183.2	1	
1N	0	1078	324	534	0	446	-250	10.2	163.1	14.6	0.0	173.3	1	
1O	0	1078	-342	-501	0	-247	343	10.2	112.1	15.4	0.0	122.3	1	
1P	0	1078	324	-501	0	-247	-250	10.2	102.2	14.6	0.0	112.4	1	
2	0	-910	-351	406	0	678	718	8.6	284.0	15.8	0.0	292.6	1	
7	0	-827	-250	353	0	589	549	7.8	238.6	11.3	0.0	246.4	1	
8	0	-691	-245	284	0	504	516	6.5	209.2	11.0	0.0	215.7	1	
1A	150	-2679	-401	640	0	-497	-50	25.3	157.4	18.1	0.0	182.6	1	
1B	150	-2679	134	640	0	-497	-70	25.3	159.4	11.8	0.0	184.7	1	
1C	150	-2679	-401	-607	0	647	-50	25.3	203.1	18.1	0.0	228.4	1	
1D	150	-2679	134	-607	0	647	-70	25.3	205.2	11.2	0.0	230.5	1	
1E	150	2190	-401	640	0	-497	-50	20.7	157.4	18.1	0.0	178.0	1	
1F	150	2190	134	640	0	-497	-70	20.7	159.4	11.8	0.0	180.1	1	
1G	150	2190	-401	-607	0	647	-50	20.7	203.1	18.1	0.0	223.8	1	
1H	150	2190	134	-607	0	647	-70	20.7	205.2	11.2	0.0	225.9	1	
1I	150	-1568	-466	534	0	-373	-280	14.8	143.9	21.0	0.0	158.7	1	
1J	150	-1568	200	534	0	-373	160	14.8	131.1	9.8	0.0	145.9	1	
1K	150	-1568	-466	-501	0	523	-280	14.8	189.7	21.0	0.0	204.5	1	
1L	150	-1568	200	-501	0	523	160	14.8	176.9	9.2	0.0	191.7	1	
1M	150	1078	-466	534	0	-373	-280	10.2	143.9	21.0	0.0	154.1	1	
1N	150	1078	200	534	0	-373	160	10.2	131.1	9.8	0.0	141.3	1	
1O	150	1078	-466	-501	0	523	-280	10.2	189.7	21.0	0.0	199.9	1	
1P	150	1078	200	-501	0	523	160	10.2	176.9	9.2	0.0	187.1	1	
2	150	-910	-513	406	0	70	70	8.6	28.8	23.1	0.0	41.3	3	
7	150	-827	-412	353	0	60	52	7.8	23.8	18.6	0.0	33.7	3	
8	150	-691	-407	284	0	77	27	6.5	26.5	18.4	0.0	33.0	1	
1A	300	-2679	-526	640	0	-1465	-790	25.3	532.4	23.7	0.0	557.7	1	
1B	300	-2679	10	640	0	-1465	82	25.3	457.0	11.8	0.0	482.3	1	
1C	300	-2679	-526	-607	0	1566	-790	25.3	563.1	23.7	0.0	588.3	1	
1D	300	-2679	10	-607	0	1566	82	25.3	487.7	11.2	0.0	512.9	1	
1E	300	2190	-526	640	0	-1465	-790	20.7	532.4	23.7	0.0	553.1	1	
1F	300	2190	10	640	0	-1465	82	20.7	457.0	11.8	0.0	477.7	1	
1G	300	2190	-526	-607	0	1566	-790	20.7	563.1	23.7	0.0	583.7	1	
1H	300	2190	10	-607	0	1566	82	20.7	487.7	11.2	0.0	508.3	1	
1I	300	-1568	-591	534	0	-1192	-1091	14.8	480.8	26.7	0.0	495.6	1	
1J	300	-1568	75	534	0	-1192	383	14.8	405.4	9.8	0.0	420.2	1	
1K	300	-1568	-591	-501	0	1292	-1091	14.8	511.4	26.7	0.0	526.2	1	
1L	300	-1568	75	-501	0	1292	383	14.8	436.0	9.2	0.0	450.8	1	
1M	300	1078	-591	534	0	-1192	-1091	10.2	480.8	26.7	0.0	491.0	1	
1N	300	1078	75	534	0	-1192	383	10.2	405.4	9.8	0.0	415.6	1	
1O	300	1078	-591	-501	0	1292	-1091	10.2	511.4	26.7	0.0	521.6	1	
1P	300	1078	75	-501	0	1292	383	10.2	436.0	9.2	0.0	446.2	1	
2	300	-910	-675	406	0	-539	-821	8.6	252.3	30.5	0.0	260.9	1	
7	300	-827	-575	353	0	-469	-688	7.8	217.0	25.9	0.0	224.8	1	
8	300	-691	-569	284	0	-350	-705	6.5	182.1	25.7	0.0	188.6	1	

ASTA NUM. 27 NI 583 NF 581 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3098	617	1463	0	2303	-9	29.2	705.4	27.8	0.0	734.6	1	
1B	0	-3098	1112	1463	0	2303	-646	29.2	773.3	50.2	0.0	802.5	1	
1C	0	-3098	617	-1233	0	-1967	-9	29.2	602.7	27.8	0.0	632.0	1	
1D	0	-3098	1112	-1233	0	-1967	-646	29.2	670.6	50.2	0.0	699.9	1	
1E	0	2847	617	1463	0	2303	-9	26.9	705.4	27.8	0.0	732.3	1	
1F	0	2847	1112	1463	0	2303	-646	26.9	773.3	50.2	0.0	800.2	1	
1G	0	2847	617	-1233	0	-1967	-9	26.9	602.7	27.8	0.0	629.6	1	
1H	0	2847	1112	-1233	0	-1967	-646	26.9	670.6	50.2	0.0	697.5	1	
1I	0	-1366	455	1159	0	2016	376	12.9	656.7	21.3	0.0	669.6	1	
1J	0	-1366	1274	1159	0	2016	-1031	12.9	726.5	57.5	0.0	739.4	1	
1K	0	-1366	455	-930	0	-1680	376	12.9	554.0	20.5	0.0	566.9	1	
1L	0	-1366	1274	-930	0	-1680	-1031	12.9	623.8	57.5	0.0	636.7	1	
1M	0	1115	455	1159	0	2016	376	10.5	656.7	21.3	0.0	667.2	1	
1N	0	1115	1274	1159	0	2016	-1031	10.5	726.5	57.5	0.0	737.0	1	
1O	0	1115	455	-930	0	-1680	376	10.5	554.0	20.5	0.0	564.5	1	
1P	0	1115	1274	-930	0	-1680	-1031	10.5	623.8	57.5	0.0	634.4	1	
2	0	-532	1215	-243	0	-407	-734	5.0	202.8	54.8	0.0	207.8	1	
7	0	-460	1170	-238	0	-365	-604	4.3	176.1	52.8	0.0	180.4	1	
8	0	-402	1187	-118	0	-211	-639	3.8	132.8	53.5	0.0	136.6	1	
1A	150	-3098	-270	1463	0	99	248	29.2	56.9	26.9	0.0	86.1	1	
1B	150	-3098	225	1463	0	99	360	29.2	68.8	26.9	0.0	98.0	1	
1C	150	-3098	-270	-1233	0	-108	248	29.2	59.6	22.7	0.0	88.8	1	
1D	150	-3098	225	-1233	0	-108	360	29.2	71.5	22.7	0.0	100.7	1	
1E	150	2847	-270	1463	0	99	248	26.9	56.9	26.9	0.0	83.7	1	
1F	150	2847	225	1463	0	99	360	26.9	68.8	26.9	0.0	95.6	1	
1G	150	2847	-270	-1233	0	-108	248	26.9	59.6	22.7	0.0	86.5	1	
1H	150	2847	225	-1233	0	-108	360	26.9	71.5	22.7	0.0	98.4	1	
1I	150	-1366	-432	1159	0	258	391	12.9	120.6	21.3	0.0	133.5	1	
1J	150	-1366	387	1159	0	258	218	12.9	102.2	21.3	0.0	115.1	1	
1K	150	-1366	-432	-930	0	-267	391	12.9	123.4	19.5	0.0	136.2	1	
1L	150	-1366	387	-930	0	-267	218	12.9	104.9	17.5	0.0	117.8	1	
1M	150	1115	-432	1159	0	258	391	10.5	120.6	21.3	0.0	131.2	1	
1N	150	1115	387	1159	0	258	218	10.5	102.2	21.3	0.0	112.7	1	
1O	150	1115	-432	-930	0	-267	391	10.5	123.4	19.5	0.0	133.9	1	
1P	150	1115	387	-930	0	-267	218	10.5	104.9	17.5	0.0	115.4	1	
2	150	-532	62	-243	0	-42	223	5.0	36.7	4.5	0.0	41.7	1	
7	150	-460	17	-238	0	-8	285	4.3	32.8	4.4	0.0	37.1	1	
8	150	-402	34	-118	0	-35	276	3.8	40.1	2.2	0.0	43.9	1	
1A	300	-3098	-1156	1463	0	-2104	-824	29.2	731.5	52.2	0.0	760.7	1	
1B	300	-3098	-661	1463	0	-2104	36	29.2	647.5	29.8	0.0	676.7	1	
1C	300	-3098	-1156	-1233	0	1751	-824	29.2	623.4	52.2	0.0	652.6	1	
1D	300	-3098	-661	-1233	0	1751	36	29.2	539.4	29.8	0.0	568.6	1	
1E	300	2847	-1156	1463	0	-2104	-824	26.9	731.5	52.2	0.0	758.3	1	
1F	300	2847	-661	1463	0	-2104	36	26.9	647.5	29.8	0.0	674.4	1	
1G	300	2847	-1156	-1233	0	1751	-824	26.9	623.4	52.2	0.0	650.2	1	
1H	300	2847	-661	-1233	0	1751	36	26.9	539.4	29.8	0.0	566.3	1	
1I	300	-1366	-1318	1159	0	-1500	-924	12.9	557.2	59.5	0.0	570.0	1	
1J	300	-1366	-499	1159	0	-1500	136	12.9	473.2	22.5	0.0	486.1	1	
1K	300	-1366	-1318	-930	0	1146	-924	12.9	449.1	59.5	0.0	461.9	1	
1L	300	-1366	-499	-930	0	1146	136	12.9	365.1	22.5	0.0	378.0	1	
1M	300	1115	-1318	1159	0	-1500	-924	10.5	557.2	59.5	0.0	567.7	1	
1N	300	1115	-499	1159	0	-1500	136	10.5	473.2	22.5	0.0	483.7	1	
1O	300	1115	-1318	-930	0	1146	-924	10.5	449.1	59.5	0.0	459.6	1	
1P	300	1115	-499	-930	0	1146	136	10.5	365.1	22.5	0.0	375.6	1	
2	300	-532	-1091	-243	0	323	-549	5.0	157.2	49.2	0.0	162.2	1	
7	300	-460	-1136	-238	0	350	-554	4.3	166.0	51.2	0.0	170.3	1	
8	300	-402	-1119	-118	0	142	-538	3.8	100.7	50.5	0.0	104.5	1	

ASTA NUM. 28 NI 581 NF 580 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3121	-62	669	0	1289	86	29.4	403.3	12.3	0.0	432.8	1	
1B	0	-3121	972	669	0	1289	-838	29.4	483.5	43.9	0.0	512.9	1	
1C	0	-3121	-62	-556	0	-1563	86	29.4	487.3	10.2	0.0	516.7	1	
1D	0	-3121	972	-556	0	-1563	-838	29.4	567.4	43.9	0.0	596.8	1	
1E	0	3017	-62	669	0	1289	86	28.5	403.3	12.3	0.0	431.8	1	
1F	0	3017	972	669	0	1289	-838	28.5	483.5	43.9	0.0	511.9	1	
1G	0	3017	-62	-556	0	-1563	86	28.5	487.3	10.2	0.0	515.7	1	
1H	0	3017	972	-556	0	-1563	-838	28.5	567.4	43.9	0.0	595.9	1	
1I	0	-1447	146	1267	0	712	295	13.6	249.1	23.3	0.0	262.7	1	
1J	0	-1447	764	1267	0	712	-1047	13.6	329.2	34.5	0.0	342.9	1	
1K	0	-1447	146	-1154	0	-986	295	13.6	333.0	21.2	0.0	346.7	1	
1L	0	-1447	764	-1154	0	-986	-1047	13.6	413.2	34.5	0.0	426.8	1	
1M	0	1342	146	1267	0	712	295	12.7	249.1	23.3	0.0	261.7	1	
1N	0	1342	764	1267	0	712	-1047	12.7	329.2	34.5	0.0	341.9	1	
1O	0	1342	146	-1154	0	-986	295	12.7	333.0	21.2	0.0	345.7	1	

1P	0	1342	764	-1154	0	-986	-1047	12.7	413.2	34.5	0.0	425.8	1
2	0	-510	492	379	0	332	-540	4.8	159.1	22.2	0.0	163.9	1
7	0	-446	489	384	0	354	-547	4.2	166.7	22.1	0.0	170.9	1
8	0	-353	524	288	0	166	-524	3.3	106.7	23.6	0.0	110.1	1
1A	75	-3121	-505	669	0	1676	453	29.4	560.9	22.8	0.0	590.3	1
1B	75	-3121	529	669	0	1676	-855	29.4	603.7	23.9	0.0	633.1	1
1C	75	-3121	-505	-556	0	-2035	453	29.4	670.7	22.8	0.0	700.2	1
1D	75	-3121	529	-556	0	-2035	-855	29.4	713.5	23.9	0.0	743.0	1
1E	75	3017	-505	669	0	1676	453	28.5	560.9	22.8	0.0	589.3	1
1F	75	3017	529	669	0	1676	-855	28.5	603.7	23.9	0.0	632.1	1
1G	75	3017	-505	-556	0	-2035	453	28.5	670.7	22.8	0.0	699.2	1
1H	75	3017	529	-556	0	-2035	-855	28.5	713.5	23.9	0.0	742.0	1
1I	75	-1447	-297	1267	0	1540	627	13.6	537.8	23.3	0.0	551.5	1
1J	75	-1447	321	1267	0	1540	-1028	13.6	580.6	23.3	0.0	594.3	1
1K	75	-1447	-297	-1154	0	-1899	627	13.6	647.7	21.2	0.0	661.3	1
1L	75	-1447	321	-1154	0	-1899	-1028	13.6	690.5	21.2	0.0	704.1	1
1M	75	1342	-297	1267	0	1540	627	12.7	537.8	23.3	0.0	550.5	1
1N	75	1342	321	1267	0	1540	-1028	12.7	580.6	23.3	0.0	593.3	1
1O	75	1342	-297	-1154	0	-1899	627	12.7	647.7	21.2	0.0	660.3	1
1P	75	1342	321	-1154	0	-1899	-1028	12.7	690.5	21.2	0.0	703.2	1
2	75	-510	-84	379	0	47	-387	4.8	55.7	7.0	0.0	60.6	1
7	75	-446	-87	384	0	66	-397	4.2	62.6	7.1	0.0	66.8	1
8	75	-353	-53	288	0	-50	-348	3.3	52.4	5.3	0.0	55.7	1
1A	150	-3121	-949	669	0	2063	487	29.4	683.0	42.8	0.0	712.4	1
1B	150	-3121	85	669	0	2063	-1204	29.4	759.3	12.3	0.0	788.8	1
1C	150	-3121	-949	-556	0	-2507	487	29.4	818.7	42.8	0.0	848.2	1
1D	150	-3121	85	-556	0	-2507	-1204	29.4	895.1	10.2	0.0	924.5	1
1E	150	3017	-949	669	0	2063	487	28.5	683.0	42.8	0.0	711.4	1
1F	150	3017	85	669	0	2063	-1204	28.5	759.3	12.3	0.0	787.8	1
1G	150	3017	-949	-556	0	-2507	487	28.5	818.7	42.8	0.0	847.2	1
1H	150	3017	85	-556	0	-2507	-1204	28.5	895.1	10.2	0.0	923.5	1
1I	150	-1447	-741	1267	0	2368	626	13.6	791.1	33.4	0.0	804.8	1
1J	150	-1447	-122	1267	0	2368	-1343	13.6	867.5	23.3	0.0	881.2	1
1K	150	-1447	-741	-1154	0	-2812	626	13.6	926.9	33.4	0.0	940.5	1
1L	150	-1447	-122	-1154	0	-2812	-1343	13.6	1003.3	21.2	0.0	1016.9	1
1M	150	1342	-741	1267	0	2368	626	12.7	791.1	33.4	0.0	803.8	1
1N	150	1342	-122	1267	0	2368	-1343	12.7	867.5	23.3	0.0	880.2	1
1O	150	1342	-741	-1154	0	-2812	626	12.7	926.9	33.4	0.0	939.6	1
1P	150	1342	-122	-1154	0	-2812	-1343	12.7	1003.3	21.2	0.0	1015.9	1
2	150	-510	-660	379	0	-237	-666	4.8	143.6	29.8	0.0	148.4	1
7	150	-446	-664	384	0	-221	-678	4.2	140.0	29.9	0.0	144.2	1
8	150	-353	-629	288	0	-266	-604	3.3	145.8	28.4	0.0	149.2	1

ASTA NUM. 29 NI 580 NF 871 Lungh. 100.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3738	-365	1724	0	1691	707	35.3	592.5	31.7	0.0	627.7	1	
1B	0	-3738	1529	1724	0	1691	-1393	35.3	665.6	69.0	0.0	700.9	1	
1C	0	-3738	-365	-2116	0	-2081	707	35.3	711.9	38.9	0.0	747.2	1	
1D	0	-3738	1529	-2116	0	-2081	-1393	35.3	785.1	69.0	0.0	820.3	1	
1E	0	3094	-365	1724	0	1691	707	29.2	592.5	31.7	0.0	621.6	1	
1F	0	3094	1529	1724	0	1691	-1393	29.2	665.6	69.0	0.0	694.8	1	
1G	0	3094	-365	-2116	0	-2081	707	29.2	711.9	38.9	0.0	741.1	1	
1H	0	3094	1529	-2116	0	-2081	-1393	29.2	785.1	69.0	0.0	814.3	1	
1I	0	-5860	-566	1997	0	2002	837	55.3	701.6	36.7	0.0	756.9	1	
1J	0	-5860	1729	1997	0	2002	-1523	55.3	774.8	78.0	0.0	830.1	1	
1K	0	-5860	-566	-2389	0	-2393	837	55.3	821.1	43.9	0.0	876.4	1	
1L	0	-5860	1729	-2389	0	-2393	-1523	55.3	894.3	78.0	0.0	949.5	1	
1M	0	5217	-566	1997	0	2002	837	49.2	701.6	36.7	0.0	750.8	1	
1N	0	5217	1729	1997	0	2002	-1523	49.2	774.8	78.0	0.0	824.0	1	
1O	0	5217	-566	-2389	0	-2393	837	49.2	821.1	43.9	0.0	870.3	1	
1P	0	5217	1729	-2389	0	-2393	-1523	49.2	894.3	78.0	0.0	943.5	1	
2	0	-849	906	-193	0	-194	-640	8.0	127.5	40.9	0.0	135.5	1	
7	0	-802	916	-178	0	-180	-653	7.6	124.6	41.3	0.0	132.1	1	
8	0	-680	858	-224	0	-224	-578	6.4	130.3	38.7	0.0	136.7	1	
1A	50	-3738	-661	1724	0	793	482	35.3	294.0	31.7	0.0	329.2	1	
1B	50	-3738	1233	1724	0	793	-735	35.3	320.9	55.6	0.0	356.1	1	
1C	50	-3738	-661	-2116	0	-987	482	35.3	353.4	38.9	0.0	388.7	1	
1D	50	-3738	1233	-2116	0	-987	-735	35.3	380.3	55.6	0.0	415.6	1	
1E	50	3094	-661	1724	0	793	482	29.2	294.0	31.7	0.0	323.2	1	
1F	50	3094	1233	1724	0	793	-735	29.2	320.9	55.6	0.0	350.1	1	
1G	50	3094	-661	-2116	0	-987	482	29.2	353.4	38.9	0.0	382.6	1	
1H	50	3094	1233	-2116	0	-987	-735	29.2	380.3	55.6	0.0	409.5	1	
1I	50	-5860	-862	1997	0	1025	494	55.3	366.2	38.9	0.0	421.4	1	
1J	50	-5860	1434	1997	0	1025	-747	55.3	393.1	64.7	0.0	448.4	1	
1K	50	-5860	-862	-2389	0	-1219	494	55.3	425.6	43.9	0.0	480.9	1	
1L	50	-5860	1434	-2389	0	-1219	-747	55.3	452.5	64.7	0.0	507.8	1	
1M	50	5217	-862	1997	0	1025	494	49.2	366.2	38.9	0.0	415.4	1	
1N	50	5217	1434	1997	0	1025	-747	49.2	393.1	64.7	0.0	442.3	1	
1O	50	5217	-862	-2389	0	-1219	494	49.2	425.6	43.9	0.0	474.8	1	
1P	50	5217	1434	-2389	0	-1219	-747	49.2	452.5	64.7	0.0	501.7	1	
2	50	-849	522	-193	0	-97	-283	8.0	60.0	23.5	0.0	68.0	1	
7	50	-802	532	-178	0	-91	-291	7.6	58.8	24.0	0.0	66.3	1	
8	50	-680	474	-224	0	-112	-246	6.4	60.5	21.4	0.0	67.0	1	
1A	100	-3738	-957	1724	0	-104	110	35.3	43.6	43.2	0.0	98.3	3	
1B	100	-3738	937	1724	0	-104	-224	35.3	55.8	42.3	0.0	102.8	3	

1C	100	-3738	-957	-2116	0	106	110	35.3	44.2	43.2	0.0	105.8	3
1D	100	-3738	937	-2116	0	106	-224	35.3	56.4	42.3	0.0	110.0	3
1E	100	3094	-957	1724	0	-104	110	29.2	43.6	43.2	0.0	95.6	3
1F	100	3094	937	1724	0	-104	-224	29.2	55.8	42.3	0.0	99.6	3
1G	100	3094	-957	-2116	0	106	110	29.2	44.2	43.2	0.0	103.3	3
1H	100	3094	937	-2116	0	106	-224	29.2	56.4	42.3	0.0	107.0	3
1I	100	-5860	-1157	1997	0	48	4	55.3	15.0	52.2	0.0	117.3	3
1J	100	-5860	1138	1997	0	48	-118	55.3	27.1	51.3	0.0	121.8	3
1K	100	-5860	-1157	-2389	0	-46	4	55.3	14.4	52.2	0.0	124.5	3
1L	100	-5860	1138	-2389	0	-46	-118	55.3	26.5	51.3	0.0	128.7	3
1M	100	5217	-1157	1997	0	48	4	49.2	15.0	52.2	0.0	114.5	3
1N	100	5217	1138	1997	0	48	-118	49.2	27.1	51.3	0.0	118.6	3
1O	100	5217	-1157	-2389	0	-46	4	49.2	14.4	52.2	0.0	121.9	3
1P	100	5217	1138	-2389	0	-46	-118	49.2	26.5	51.3	0.0	125.7	3
2	100	-849	138	-193	0	-1	-118	8.0	12.9	6.2	0.0	22.0	3
7	100	-802	147	-178	0	-2	-121	7.6	13.5	6.6	0.0	22.1	3
8	100	-680	89	-224	0	-0	-105	6.4	11.3	4.1	0.0	18.6	3

ASTA NUM. 30 NI 571 NF 572 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3004	-48	525	0	2003	415	28.3	657.0	9.7	0.0	685.4	1	
1B	0	-3004	902	525	0	2003	-1128	28.3	733.0	40.7	0.0	761.4	1	
1C	0	-3004	-48	-636	0	-2434	415	28.3	788.9	11.7	0.0	817.2	1	
1D	0	-3004	902	-636	0	-2434	-1128	28.3	864.9	40.7	0.0	893.2	1	
1E	0	2905	-48	525	0	2003	415	27.4	657.0	9.7	0.0	684.4	1	
1F	0	2905	902	525	0	2003	-1128	27.4	733.0	40.7	0.0	760.5	1	
1G	0	2905	-48	-636	0	-2434	415	27.4	788.9	11.7	0.0	816.3	1	
1H	0	2905	902	-636	0	-2434	-1128	27.4	864.9	40.7	0.0	892.3	1	
1I	0	-1501	177	1185	0	2385	545	14.2	787.6	21.8	0.0	801.7	1	
1J	0	-1501	677	1185	0	2385	-1258	14.2	863.6	30.6	0.0	877.7	1	
1K	0	-1501	177	-1295	0	-2816	545	14.2	919.4	23.8	0.0	933.6	1	
1L	0	-1501	677	-1295	0	-2816	-1258	14.2	995.4	30.6	0.0	1009.6	1	
1M	0	1403	177	1185	0	2385	545	13.2	787.6	21.8	0.0	800.8	1	
1N	0	1403	677	1185	0	2385	-1258	13.2	863.6	30.6	0.0	876.8	1	
1O	0	1403	177	-1295	0	-2816	545	13.2	919.4	23.8	0.0	932.6	1	
1P	0	1403	677	-1295	0	-2816	-1258	13.2	995.4	30.6	0.0	1008.7	1	
2	0	-576	634	-373	0	-237	-648	5.4	141.6	28.6	0.0	147.0	1	
7	0	-509	637	-376	0	-219	-659	4.8	137.3	28.8	0.0	142.1	1	
8	0	-398	609	-284	0	-264	-590	3.8	143.5	27.5	0.0	147.3	1	
1A	75	-3004	-492	525	0	1635	427	28.3	545.7	22.2	0.0	574.0	1	
1B	75	-3004	459	525	0	1635	-833	28.3	588.9	20.7	0.0	617.2	1	
1C	75	-3004	-492	-636	0	-1983	427	28.3	652.2	22.2	0.0	680.5	1	
1D	75	-3004	459	-636	0	-1983	-833	28.3	695.4	20.7	0.0	723.8	1	
1E	75	2905	-492	525	0	1635	427	27.4	545.7	22.2	0.0	573.1	1	
1F	75	2905	459	525	0	1635	-833	27.4	588.9	20.7	0.0	616.3	1	
1G	75	2905	-492	-636	0	-1983	427	27.4	652.2	22.2	0.0	679.6	1	
1H	75	2905	459	-636	0	-1983	-833	27.4	695.4	20.7	0.0	722.8	1	
1I	75	-1501	-267	1185	0	1540	613	14.2	536.4	21.8	0.0	550.5	1	
1J	75	-1501	234	1185	0	1540	-1018	14.2	579.6	21.8	0.0	593.8	1	
1K	75	-1501	-267	-1295	0	-1888	613	14.2	642.9	23.8	0.0	657.1	1	
1L	75	-1501	234	-1295	0	-1888	-1018	14.2	686.1	23.8	0.0	700.3	1	
1M	75	1403	-267	1185	0	1540	613	13.2	536.4	21.8	0.0	549.6	1	
1N	75	1403	234	1185	0	1540	-1018	13.2	579.6	21.8	0.0	592.8	1	
1O	75	1403	-267	-1295	0	-1888	613	13.2	642.9	23.8	0.0	656.2	1	
1P	75	1403	234	-1295	0	-1888	-1018	13.2	686.1	23.8	0.0	699.4	1	
2	75	-576	58	-373	0	43	-388	5.4	54.6	6.9	0.0	60.0	1	
7	75	-509	61	-376	0	63	-397	4.8	61.7	6.9	0.0	66.5	1	
8	75	-398	32	-284	0	-51	-349	3.8	52.8	5.2	0.0	56.6	1	
1A	150	-3004	-935	525	0	1267	107	28.3	398.9	42.2	0.0	427.2	1	
1B	150	-3004	16	525	0	1267	-870	28.3	480.2	9.7	0.0	508.5	1	
1C	150	-3004	-935	-636	0	-1532	107	28.3	480.1	42.2	0.0	508.5	1	
1D	150	-3004	16	-636	0	-1532	-870	28.3	561.4	11.7	0.0	589.7	1	
1E	150	2905	-935	525	0	1267	107	27.4	398.9	42.2	0.0	426.3	1	
1F	150	2905	16	525	0	1267	-870	27.4	480.2	9.7	0.0	507.6	1	
1G	150	2905	-935	-636	0	-1532	107	27.4	480.1	42.2	0.0	507.5	1	
1H	150	2905	16	-636	0	-1532	-870	27.4	561.4	11.7	0.0	588.8	1	
1I	150	-1501	-710	1185	0	695	348	14.2	249.8	32.0	0.0	263.9	1	
1J	150	-1501	-209	1185	0	695	-1111	14.2	331.1	21.8	0.0	345.2	1	
1K	150	-1501	-710	-1295	0	-961	348	14.2	331.0	32.0	0.0	345.2	1	
1L	150	-1501	-209	-1295	0	-961	-1111	14.2	412.3	23.8	0.0	426.5	1	
1M	150	1403	-710	1185	0	695	348	13.2	249.8	32.0	0.0	263.0	1	
1N	150	1403	-209	1185	0	695	-1111	13.2	331.1	21.8	0.0	344.3	1	
1O	150	1403	-710	-1295	0	-961	348	13.2	331.0	32.0	0.0	344.3	1	
1P	150	1403	-209	-1295	0	-961	-1111	13.2	412.3	23.8	0.0	425.5	1	
2	150	-576	-519	-373	0	323	-561	5.4	158.6	23.4	0.0	164.1	1	
7	150	-509	-516	-376	0	346	-568	4.8	166.2	23.3	0.0	171.0	1	
8	150	-398	-544	-284	0	162	-541	3.8	107.2	24.5	0.0	111.0	1	

ASTA NUM. 31 NI 572 NF 574 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-2931	635	1212	0	1733	66	27.6	537.1	28.7	0.0	564.7	1
1B	0	-2931	1189	1212	0	1733	-863	27.6	622.0	53.6	0.0	649.6	1
1C	0	-2931	635	-1430	0	-2075	66	27.6	641.8	28.7	0.0	669.4	1
1D	0	-2931	1189	-1430	0	-2075	-863	27.6	726.7	53.6	0.0	754.4	1
1E	0	2689	635	1212	0	1733	66	25.4	537.1	28.7	0.0	562.4	1
1F	0	2689	1189	1212	0	1733	-863	25.4	622.0	53.6	0.0	647.4	1
1G	0	2689	635	-1430	0	-2075	66	25.4	641.8	28.7	0.0	667.2	1
1H	0	2689	1189	-1430	0	-2075	-863	25.4	726.7	53.6	0.0	752.1	1
1I	0	-1212	477	915	0	1125	197	11.4	365.0	21.5	0.0	376.4	1
1J	0	-1212	1347	915	0	1125	-994	11.4	449.9	60.8	0.0	461.4	1
1K	0	-1212	477	-1133	0	-1467	197	11.4	469.7	21.5	0.0	481.2	1
1L	0	-1212	1347	-1133	0	-1467	-994	11.4	554.7	60.8	0.0	566.1	1
1M	0	971	477	915	0	1125	197	9.2	365.0	21.5	0.0	374.2	1
1N	0	971	1347	915	0	1125	-994	9.2	449.9	60.8	0.0	459.1	1
1O	0	971	477	-1133	0	-1467	197	9.2	469.7	21.5	0.0	478.9	1
1P	0	971	1347	-1133	0	-1467	-994	9.2	554.7	60.8	0.0	563.8	1
2	0	-610	1104	233	0	308	-573	5.8	155.4	49.8	0.0	161.2	1
7	0	-535	1148	229	0	335	-578	5.0	164.1	51.8	0.0	169.2	1
8	0	-456	1129	112	0	134	-557	4.3	100.3	50.9	0.0	104.6	1
1A	150	-2931	-251	1212	0	-92	353	27.6	65.8	22.3	0.0	93.4	1
1B	150	-2931	302	1212	0	-92	256	27.6	55.4	22.3	0.0	83.1	1
1C	150	-2931	-251	-1430	0	78	353	27.6	61.4	26.3	0.0	89.0	1
1D	150	-2931	302	-1430	0	78	256	27.6	51.0	26.3	0.0	78.7	1
1E	150	2689	-251	1212	0	-92	353	25.4	65.8	22.3	0.0	91.1	1
1F	150	2689	302	1212	0	-92	256	25.4	55.4	22.3	0.0	80.8	1
1G	150	2689	-251	-1430	0	78	353	25.4	61.4	26.3	0.0	86.7	1
1H	150	2689	302	-1430	0	78	256	25.4	51.0	26.3	0.0	76.4	1
1I	150	-1212	-410	915	0	-264	245	11.4	106.9	18.5	0.0	118.4	1
1J	150	-1212	460	915	0	-264	364	11.4	119.5	20.8	0.0	131.0	1
1K	150	-1212	-410	-1133	0	250	245	11.4	102.5	20.8	0.0	114.0	1
1L	150	-1212	460	-1133	0	250	364	11.4	115.1	20.8	0.0	126.6	1
1M	150	971	-410	915	0	-264	245	9.2	106.9	18.5	0.0	116.1	1
1N	150	971	460	915	0	-264	364	9.2	119.5	20.8	0.0	128.7	1
1O	150	971	-410	-1133	0	250	245	9.2	102.5	20.8	0.0	111.7	1
1P	150	971	460	-1133	0	250	364	9.2	115.1	20.8	0.0	124.3	1
2	150	-610	-49	233	0	-41	218	5.8	35.7	4.3	0.0	41.5	1
7	150	-535	-5	229	0	-8	279	5.0	32.2	4.2	0.0	37.3	1
8	150	-456	-24	112	0	-35	272	4.3	39.7	2.1	0.0	44.0	1
1A	300	-2931	-1138	1212	0	-1917	-690	27.6	659.9	51.3	0.0	687.5	1
1B	300	-2931	-585	1212	0	-1917	45	27.6	591.1	26.4	0.0	618.7	1
1C	300	-2931	-1138	-1430	0	2230	-690	27.6	755.8	51.3	0.0	783.4	1
1D	300	-2931	-585	-1430	0	2230	45	27.6	687.0	26.4	0.0	714.7	1
1E	300	2689	-1138	1212	0	-1917	-690	25.4	659.9	51.3	0.0	685.2	1
1F	300	2689	-585	1212	0	-1917	45	25.4	591.1	26.4	0.0	616.5	1
1G	300	2689	-1138	-1430	0	2230	-690	25.4	755.8	51.3	0.0	781.2	1
1H	300	2689	-585	-1430	0	2230	45	25.4	687.0	26.4	0.0	712.4	1
1I	300	-1212	-1297	915	0	-1653	-1037	11.4	616.1	58.5	0.0	627.5	1
1J	300	-1212	-426	915	0	-1653	391	11.4	547.3	19.2	0.0	558.7	1
1K	300	-1212	-1297	-1133	0	1966	-1037	11.4	712.0	58.5	0.0	723.4	1
1L	300	-1212	-426	-1133	0	1966	391	11.4	643.2	20.8	0.0	654.6	1
1M	300	971	-1297	915	0	-1653	-1037	9.2	616.1	58.5	0.0	625.2	1
1N	300	971	-426	915	0	-1653	391	9.2	547.3	19.2	0.0	556.4	1
1O	300	971	-1297	-1133	0	1966	-1037	9.2	712.0	58.5	0.0	721.1	1
1P	300	971	-426	-1133	0	1966	391	9.2	643.2	20.8	0.0	652.4	1
2	300	-610	-1202	233	0	-390	-721	5.8	196.2	54.2	0.0	202.0	1
7	300	-535	-1158	229	0	-352	-593	5.0	170.7	52.2	0.0	175.8	1
8	300	-456	-1176	112	0	-204	-628	4.3	129.2	53.1	0.0	133.5	1

ASTA NUM. 32 NI 574 NF 576 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2608	-40	579	0	1486	110	24.6	466.3	10.6	0.0	490.9	1	
1B	0	-2608	552	579	0	1486	-807	24.6	540.6	24.9	0.0	565.2	1	
1C	0	-2608	-40	-620	0	-1401	110	24.6	440.1	11.4	0.0	464.7	1	
1D	0	-2608	552	-620	0	-1401	-807	24.6	514.4	24.9	0.0	539.0	1	
1E	0	2131	-40	579	0	1486	110	20.1	466.3	10.6	0.0	486.4	1	
1F	0	2131	552	579	0	1486	-807	20.1	540.6	24.9	0.0	560.7	1	
1G	0	2131	-40	-620	0	-1401	110	20.1	440.1	11.4	0.0	460.2	1	
1H	0	2131	552	-620	0	-1401	-807	20.1	514.4	24.9	0.0	534.5	1	
1I	0	-1515	-75	492	0	1263	397	14.3	428.6	9.0	0.0	442.8	1	
1J	0	-1515	587	492	0	1263	-1094	14.3	502.9	26.5	0.0	517.1	1	
1K	0	-1515	-75	-532	0	-1177	397	14.3	402.4	9.8	0.0	416.7	1	
1L	0	-1515	587	-532	0	-1177	-1094	14.3	476.7	26.5	0.0	491.0	1	
1M	0	1038	-75	492	0	1263	397	9.8	428.6	9.0	0.0	438.3	1	
1N	0	1038	587	492	0	1263	-1094	9.8	502.9	26.5	0.0	512.6	1	
1O	0	1038	-75	-532	0	-1177	397	9.8	402.4	9.8	0.0	412.2	1	
1P	0	1038	587	-532	0	-1177	-1094	9.8	476.7	26.5	0.0	486.5	1	
2	0	-998	673	-400	0	-522	-810	9.4	245.8	30.4	0.0	255.2	1	
7	0	-907	573	-348	0	-454	-678	8.6	211.2	25.9	0.0	219.7	1	
8	0	-753	567	-283	0	-341	-695	7.1	178.3	25.6	0.0	185.4	1	
1A	150	-2608	-165	579	0	609	-79	24.6	194.8	10.6	0.0	219.4	1	
1B	150	-2608	427	579	0	609	-38	24.6	190.4	19.3	0.0	215.0	1	
1C	150	-2608	-165	-620	0	-462	-79	24.6	149.8	11.4	0.0	174.4	1	
1D	150	-2608	427	-620	0	-462	-38	24.6	145.5	19.3	0.0	170.1	1	
1E	150	2131	-165	579	0	609	-79	20.1	194.8	10.6	0.0	214.9	1	

1F	150	2131	427	579	0	609	-38	20.1	190.4	19.3	0.0	210.5	1
1G	150	2131	-165	-620	0	-462	-79	20.1	149.8	11.4	0.0	169.9	1
1H	150	2131	427	-620	0	-462	-38	20.1	145.5	19.3	0.0	165.6	1
1I	150	-1515	-200	492	0	509	175	14.3	174.2	9.0	0.0	188.5	1
1J	150	-1515	462	492	0	509	-292	14.3	186.7	20.9	0.0	201.0	1
1K	150	-1515	-200	-532	0	-362	175	14.3	129.3	9.8	0.0	143.6	1
1L	150	-1515	462	-532	0	-362	-292	14.3	141.7	20.9	0.0	156.0	1
1M	150	1038	-200	492	0	509	175	9.8	174.2	9.0	0.0	184.0	1
1N	150	1038	462	492	0	509	-292	9.8	186.7	20.9	0.0	196.5	1
1O	150	1038	-200	-532	0	-362	175	9.8	129.3	9.8	0.0	139.1	1
1P	150	1038	462	-532	0	-362	-292	9.8	141.7	20.9	0.0	151.5	1
2	150	-998	511	-400	0	79	78	9.4	32.6	23.0	0.0	42.0	1
7	150	-907	411	-348	0	68	60	8.6	27.3	18.5	0.0	35.9	1
8	150	-753	405	-283	0	83	33	7.1	29.0	18.3	0.0	36.1	1
1A	300	-2608	-290	579	0	-268	-455	24.6	130.3	13.1	0.0	154.9	1
1B	300	-2608	302	579	0	-268	543	24.6	139.8	13.6	0.0	164.4	1
1C	300	-2608	-290	-620	0	476	-455	24.6	194.1	13.1	0.0	218.7	1
1D	300	-2608	302	-620	0	476	543	24.6	203.6	13.6	0.0	228.2	1
1E	300	2131	-290	579	0	-268	-455	20.1	130.3	13.1	0.0	150.5	1
1F	300	2131	302	579	0	-268	543	20.1	139.8	13.6	0.0	159.9	1
1G	300	2131	-290	-620	0	476	-455	20.1	194.1	13.1	0.0	214.2	1
1H	300	2131	302	-620	0	476	543	20.1	203.6	13.6	0.0	223.7	1
1I	300	-1515	-325	492	0	-246	-234	14.3	100.1	14.7	0.0	114.3	1
1J	300	-1515	337	492	0	-246	323	14.3	109.5	15.2	0.0	123.8	1
1K	300	-1515	-325	-532	0	454	-234	14.3	163.8	14.7	0.0	178.1	1
1L	300	-1515	337	-532	0	454	323	14.3	173.3	15.2	0.0	187.6	1
1M	300	1038	-325	492	0	-246	-234	9.8	100.1	14.7	0.0	109.9	1
1N	300	1038	337	492	0	-246	323	9.8	109.5	15.2	0.0	119.3	1
1O	300	1038	-325	-532	0	454	-234	9.8	163.8	14.7	0.0	173.6	1
1P	300	1038	337	-532	0	454	323	9.8	173.3	15.2	0.0	183.1	1
2	300	-998	349	-400	0	680	723	9.4	285.1	15.7	0.0	294.5	1
7	300	-907	249	-348	0	591	554	8.6	239.9	11.2	0.0	248.4	1
8	300	-753	242	-283	0	507	519	7.1	210.4	10.9	0.0	217.5	1

ASTA NUM. 33 NI 576 NF 578 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1516	-97	120	0	218	266	14.3	95.1	4.4	0.0	109.4	1	
1B	0	-1516	385	120	0	218	-239	14.3	92.2	17.4	0.0	106.5	1	
1C	0	-1516	-97	-165	0	-118	266	14.3	64.4	4.4	0.0	78.7	1	
1D	0	-1516	385	-165	0	-118	-239	14.3	61.5	17.4	0.0	75.8	1	
1E	0	776	-97	120	0	218	266	7.3	95.1	4.4	0.0	102.4	1	
1F	0	776	385	120	0	218	-239	7.3	92.2	17.4	0.0	99.6	1	
1G	0	776	-97	-165	0	-118	266	7.3	64.4	4.4	0.0	71.7	1	
1H	0	776	385	-165	0	-118	-239	7.3	61.5	17.4	0.0	68.8	1	
1I	0	-1376	13	152	0	248	247	13.0	102.0	2.8	0.0	115.0	1	
1J	0	-1376	275	152	0	248	-220	13.0	99.2	12.4	0.0	112.2	1	
1K	0	-1376	13	-196	0	-147	247	13.0	71.3	3.6	0.0	84.3	1	
1L	0	-1376	275	-196	0	-147	-220	13.0	68.5	12.4	0.0	81.5	1	
1M	0	636	13	152	0	248	247	6.0	102.0	2.8	0.0	108.0	1	
1N	0	636	275	152	0	248	-220	6.0	99.2	12.4	0.0	105.2	1	
1O	0	636	13	-196	0	-147	247	6.0	71.3	3.6	0.0	77.3	1	
1P	0	636	275	-196	0	-147	-220	6.0	68.5	12.4	0.0	74.5	1	
2	0	-1940	95	-126	0	308	503	18.3	147.7	4.3	0.0	166.0	1	
7	0	-1724	113	-106	0	272	364	16.3	122.0	5.1	0.0	138.3	1	
8	0	-1440	116	-90	0	234	358	13.6	109.8	5.2	0.0	123.4	1	
1A	150	-1516	-222	120	0	20	-13	14.3	7.5	10.0	0.0	22.6	4	
1B	150	-1516	260	120	0	20	285	14.3	36.5	11.7	0.0	50.8	1	
1C	150	-1516	-222	-165	0	147	-13	14.3	46.4	10.0	0.0	60.7	1	
1D	150	-1516	260	-165	0	147	285	14.3	75.3	11.7	0.0	89.6	1	
1E	150	776	-222	120	0	20	-13	7.3	7.5	10.0	0.0	18.9	4	
1F	150	776	260	120	0	20	285	7.3	36.5	11.7	0.0	43.8	1	
1G	150	776	-222	-165	0	147	-13	7.3	46.4	10.0	0.0	53.7	1	
1H	150	776	260	-165	0	147	285	7.3	75.3	11.7	0.0	82.6	1	
1I	150	-1376	-112	152	0	-33	462	13.0	59.3	5.0	0.0	72.2	1	
1J	150	-1376	150	152	0	-33	-190	13.0	30.3	6.8	0.0	43.3	1	
1K	150	-1376	-112	-196	0	200	462	13.0	110.3	5.0	0.0	123.3	1	
1L	150	-1376	150	-196	0	200	-190	13.0	81.4	6.8	0.0	94.4	1	
1M	150	636	-112	152	0	-33	462	6.0	59.3	5.0	0.0	65.3	1	
1N	150	636	150	152	0	-33	-190	6.0	30.3	6.8	0.0	36.3	1	
1O	150	636	-112	-196	0	200	462	6.0	110.3	5.0	0.0	116.3	1	
1P	150	636	150	-196	0	200	-190	6.0	81.4	6.8	0.0	87.4	1	
2	150	-1940	-67	-126	0	497	523	18.3	207.8	3.0	0.0	226.1	1	
7	150	-1724	-50	-106	0	431	411	16.3	175.6	2.2	0.0	191.8	1	
8	150	-1440	-46	-90	0	369	410	13.6	156.7	2.1	0.0	170.3	1	
1A	300	-1516	-347	120	0	-178	-480	14.3	105.6	15.6	0.0	119.9	1	
1B	300	-1516	136	120	0	-178	622	14.3	120.8	6.1	0.0	135.1	1	
1C	300	-1516	-347	-165	0	412	-480	14.3	177.1	15.6	0.0	191.4	1	
1D	300	-1516	136	-165	0	412	622	14.3	192.2	6.1	0.0	206.5	1	
1E	300	776	-347	120	0	-178	-480	7.3	105.6	15.6	0.0	113.0	1	
1F	300	776	136	120	0	-178	622	7.3	120.8	6.1	0.0	128.1	1	
1G	300	776	-347	-165	0	412	-480	7.3	177.1	15.6	0.0	184.4	1	
1H	300	776	136	-165	0	412	622	7.3	192.2	6.1	0.0	199.6	1	
1I	300	-1376	-236	152	0	-313	490	13.0	148.0	10.7	0.0	161.0	1	
1J	300	-1376	25	152	0	-313	-348	13.0	132.9	2.8	0.0	145.8	1	
1K	300	-1376	-236	-196	0	547	490	13.0	219.5	10.7	0.0	232.4	1	
1L	300	-1376	25	-196	0	547	-348	13.0	204.3	3.6	0.0	217.3	1	

1M	300	636	-236	152	0	-313	490	6.0	148.0	10.7	0.0	154.0	1
1N	300	636	25	152	0	-313	-348	6.0	132.9	2.8	0.0	138.9	1
1O	300	636	-236	-196	0	547	490	6.0	219.5	10.7	0.0	225.5	1
1P	300	636	25	-196	0	547	-348	6.0	204.3	3.6	0.0	210.3	1
2	300	-1940	-229	-126	0	686	301	18.3	241.9	10.3	0.0	260.2	1
7	300	-1724	-212	-106	0	589	215	16.3	203.2	9.6	0.0	219.5	1
8	300	-1440	-209	-90	0	505	218	13.6	177.7	9.4	0.0	191.2	1

ASTA NUM. 34 NI 578 NF 579 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-666	-501	409	0	419	757	6.3	208.7	22.6	0.0	215.0	1	
1B	0	-666	412	409	0	419	-545	6.3	186.2	18.6	0.0	192.5	1	
1C	0	-666	-501	-35	0	-57	757	6.3	98.0	22.6	0.0	104.3	1	
1D	0	-666	412	-35	0	-57	-545	6.3	75.5	18.6	0.0	81.8	1	
1E	0	212	-501	409	0	419	757	2.0	208.7	22.6	0.0	210.7	1	
1F	0	212	412	409	0	419	-545	2.0	186.2	18.6	0.0	188.2	1	
1G	0	212	-501	-35	0	-57	757	2.0	98.0	22.6	0.0	100.0	1	
1H	0	212	412	-35	0	-57	-545	2.0	75.5	18.6	0.0	77.5	1	
1I	0	-772	-302	682	0	702	523	7.3	270.3	13.6	0.0	277.6	1	
1J	0	-772	213	682	0	702	-312	7.3	247.8	12.5	0.0	255.1	1	
1K	0	-772	-302	-308	0	-340	523	7.3	159.6	13.6	0.0	166.9	1	
1L	0	-772	213	-308	0	-340	-312	7.3	137.1	9.6	0.0	144.4	1	
1M	0	318	-302	682	0	702	523	3.0	270.3	13.6	0.0	273.3	1	
1N	0	318	213	682	0	702	-312	3.0	247.8	12.5	0.0	250.8	1	
1O	0	318	-302	-308	0	-340	523	3.0	159.6	13.6	0.0	162.6	1	
1P	0	318	213	-308	0	-340	-312	3.0	137.1	9.6	0.0	140.1	1	
2	0	-1216	-432	1054	0	1030	477	11.5	365.9	19.5	0.0	377.4	1	
7	0	-1069	-339	926	0	902	374	10.1	315.9	17.0	0.0	326.0	1	
8	0	-902	-296	777	0	759	349	8.5	269.4	14.3	0.0	277.9	1	
1A	75	-666	-564	409	0	99	331	6.3	65.4	25.4	0.0	71.7	1	
1B	75	-666	350	409	0	99	-233	6.3	55.0	15.8	0.0	61.3	1	
1C	75	-666	-564	-35	0	-17	331	6.3	40.5	25.4	0.0	53.9	3	
1D	75	-666	350	-35	0	-17	-233	6.3	30.1	15.8	0.0	37.1	3	
1E	75	212	-564	409	0	99	331	2.0	65.4	25.4	0.0	67.4	1	
1F	75	212	350	409	0	99	-233	2.0	55.0	15.8	0.0	57.0	1	
1G	75	212	-564	-35	0	-17	331	2.0	40.5	25.4	0.0	51.1	3	
1H	75	212	350	-35	0	-17	-233	2.0	30.1	15.8	0.0	34.0	3	
1I	75	-772	-364	682	0	183	318	7.3	89.9	16.4	0.0	97.2	1	
1J	75	-772	150	682	0	183	-221	7.3	79.5	12.5	0.0	86.8	1	
1K	75	-772	-364	-308	0	-102	318	7.3	65.0	16.4	0.0	72.3	1	
1L	75	-772	150	-308	0	-102	-221	7.3	54.6	6.8	0.0	61.9	1	
1M	75	318	-364	682	0	183	318	3.0	89.9	16.4	0.0	92.9	1	
1N	75	318	150	682	0	183	-221	3.0	79.5	12.5	0.0	82.5	1	
1O	75	318	-364	-308	0	-102	318	3.0	65.0	16.4	0.0	68.0	1	
1P	75	318	150	-308	0	-102	-221	3.0	54.6	6.8	0.0	57.6	1	
2	75	-1216	-513	1054	0	240	123	11.5	86.5	23.1	0.0	97.9	1	
7	75	-1069	-420	926	0	208	89	10.1	73.2	19.0	0.0	83.3	1	
8	75	-902	-377	777	0	176	97	8.5	64.1	17.0	0.0	72.6	1	
1A	150	-666	-626	409	0	-222	-142	6.3	82.9	28.2	0.0	89.2	1	
1B	150	-666	287	409	0	-222	32	6.3	71.3	13.0	0.0	77.6	1	
1C	150	-666	-626	-35	0	22	-142	6.3	21.9	28.2	0.0	49.4	4	
1D	150	-666	287	-35	0	22	32	6.3	10.3	13.0	0.0	23.4	4	
1E	150	212	-626	409	0	-222	-142	2.0	82.9	28.2	0.0	84.9	1	
1F	150	212	287	409	0	-222	32	2.0	71.3	13.0	0.0	73.3	1	
1G	150	212	-626	-35	0	22	-142	2.0	21.9	28.2	0.0	49.0	4	
1H	150	212	287	-35	0	22	32	2.0	10.3	13.0	0.0	22.6	4	
1I	150	-772	-427	682	0	-336	67	7.3	109.8	19.2	0.0	117.1	1	
1J	150	-772	88	682	0	-336	-177	7.3	121.5	12.5	0.0	128.8	1	
1K	150	-772	-427	-308	0	136	67	7.3	48.8	19.2	0.0	56.1	1	
1L	150	-772	88	-308	0	136	-177	7.3	60.5	5.7	0.0	67.8	1	
1M	150	318	-427	682	0	-336	67	3.0	109.8	19.2	0.0	112.8	1	
1N	150	318	88	682	0	-336	-177	3.0	121.5	12.5	0.0	124.5	1	
1O	150	318	-427	-308	0	136	67	3.0	48.8	19.2	0.0	51.8	1	
1P	150	318	88	-308	0	136	-177	3.0	60.5	5.7	0.0	63.5	1	
2	150	-1216	-594	1054	0	-550	-292	11.5	199.5	26.8	0.0	210.9	1	
7	150	-1069	-502	926	0	-486	-256	10.1	176.1	22.6	0.0	186.1	1	
8	150	-902	-458	777	0	-407	-217	8.5	147.6	20.7	0.0	156.1	1	

ASTA NUM. 35 NI 590 NF 592 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2944	-341	140	0	176	1028	27.8	163.5	15.4	0.0	191.2	1	
1B	0	-2944	634	140	0	176	-932	27.8	153.3	28.6	0.0	181.1	1	
1C	0	-2944	-341	-11	0	-161	1028	27.8	158.9	15.4	0.0	186.7	1	
1D	0	-2944	634	-11	0	-161	-932	27.8	148.7	28.6	0.0	176.5	1	
1E	0	636	-341	140	0	176	1028	6.0	163.5	15.4	0.0	169.5	1	
1F	0	636	634	140	0	176	-932	6.0	153.3	28.6	0.0	159.3	1	
1G	0	636	-341	-11	0	-161	1028	6.0	158.9	15.4	0.0	164.9	1	
1H	0	636	634	-11	0	-161	-932	6.0	148.7	28.6	0.0	154.7	1	

1I	0	-3261	-126	202	0	380	636	30.8	184.2	5.7	0.0	214.9	1
1J	0	-3261	418	202	0	380	-541	30.8	174.0	18.9	0.0	204.8	1
1K	0	-3261	-126	-73	0	-366	636	30.8	179.6	5.7	0.0	210.4	1
1L	0	-3261	418	-73	0	-366	-541	30.8	169.4	18.9	0.0	200.2	1
1M	0	953	-126	202	0	380	636	9.0	184.2	5.7	0.0	193.1	1
1N	0	953	418	202	0	380	-541	9.0	174.0	18.9	0.0	183.0	1
1O	0	953	-126	-73	0	-366	636	9.0	179.6	5.7	0.0	188.6	1
1P	0	953	418	-73	0	-366	-541	9.0	169.4	18.9	0.0	178.4	1
2	0	-1791	156	45	0	-273	678	16.9	155.9	7.1	0.0	172.8	1
7	0	-1356	149	70	0	-146	555	12.8	103.6	6.7	0.0	116.4	1
8	0	-1816	162	52	0	-206	509	17.1	117.2	7.3	0.0	134.4	1
1A	150	-2944	-466	140	0	-60	418	27.8	63.0	21.0	0.0	90.8	1
1B	150	-2944	509	140	0	-60	-71	27.8	26.0	23.0	0.0	53.8	1
1C	150	-2944	-466	-11	0	-118	418	27.8	80.6	21.0	0.0	108.4	1
1D	150	-2944	509	-11	0	-118	-71	27.8	43.7	23.0	0.0	71.4	1
1E	150	636	-466	140	0	-60	418	6.0	63.0	21.0	0.0	69.0	1
1F	150	636	509	140	0	-60	-71	6.0	26.0	23.0	0.0	40.3	4
1G	150	636	-466	-11	0	-118	418	6.0	80.6	21.0	0.0	86.6	1
1H	150	636	509	-11	0	-118	-71	6.0	43.7	23.0	0.0	49.7	1
1I	150	-3261	-251	202	0	16	341	30.8	41.3	11.3	0.0	72.0	1
1J	150	-3261	294	202	0	16	6	30.8	5.6	13.2	0.0	38.5	4
1K	150	-3261	-251	-73	0	-195	341	30.8	95.8	11.3	0.0	126.6	1
1L	150	-3261	294	-73	0	-195	6	30.8	60.2	13.2	0.0	91.0	1
1M	150	953	-251	202	0	16	341	9.0	41.3	11.3	0.0	50.3	1
1N	150	953	294	202	0	16	6	9.0	5.6	13.2	0.0	24.7	4
1O	150	953	-251	-73	0	-195	341	9.0	95.8	11.3	0.0	104.8	1
1P	150	953	294	-73	0	-195	6	9.0	60.2	13.2	0.0	69.2	1
2	150	-1791	-6	45	0	-341	791	16.9	188.7	0.8	0.0	205.6	1
7	150	-1356	-13	70	0	-250	657	12.8	146.6	1.3	0.0	159.4	1
8	150	-1816	-0	52	0	-284	630	17.1	154.0	1.0	0.0	171.1	1
1A	300	-2944	-591	140	0	-297	-379	27.8	131.3	26.7	0.0	159.0	1
1B	300	-2944	384	140	0	-297	603	27.8	155.1	17.3	0.0	182.9	1
1C	300	-2944	-591	-11	0	-75	-379	27.8	63.2	26.7	0.0	91.0	1
1D	300	-2944	384	-11	0	-75	603	27.8	87.1	17.3	0.0	114.8	1
1E	300	636	-591	140	0	-297	-379	6.0	131.3	26.7	0.0	137.3	1
1F	300	636	384	140	0	-297	603	6.0	155.1	17.3	0.0	161.1	1
1G	300	636	-591	-11	0	-75	-379	6.0	63.2	26.7	0.0	69.2	1
1H	300	636	384	-11	0	-75	603	6.0	87.1	17.3	0.0	93.0	1
1I	300	-3261	-376	202	0	-348	-142	30.8	121.5	16.9	0.0	152.3	1
1J	300	-3261	169	202	0	-348	366	30.8	145.4	7.6	0.0	176.1	1
1K	300	-3261	-376	-73	0	-24	-142	30.8	22.4	16.9	0.0	53.2	1
1L	300	-3261	169	-73	0	-24	366	30.8	46.2	7.6	0.0	77.0	1
1M	300	953	-376	202	0	-348	-142	9.0	121.5	16.9	0.0	130.5	1
1N	300	953	169	202	0	-348	366	9.0	145.4	7.6	0.0	154.4	1
1O	300	953	-376	-73	0	-24	-142	9.0	22.4	16.9	0.0	34.5	3
1P	300	953	169	-73	0	-24	366	9.0	46.2	7.6	0.0	55.2	1
2	300	-1791	-168	45	0	-410	660	16.9	195.6	7.6	0.0	212.5	1
7	300	-1356	-175	70	0	-355	516	12.8	163.6	7.9	0.0	176.4	1
8	300	-1816	-162	52	0	-362	508	17.1	164.7	7.3	0.0	181.9	1

ASTA NUM. 36 NI 592 NF 593 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3255	-833	102	0	152	590	30.7	109.4	37.6	0.0	140.1	1	
1B	0	-3255	-147	102	0	152	-466	30.7	96.2	6.6	0.0	126.9	1	
1C	0	-3255	-833	-447	0	-390	590	30.7	182.1	37.6	0.0	212.8	1	
1D	0	-3255	-147	-447	0	-390	-466	30.7	168.9	8.2	0.0	199.6	1	
1E	0	495	-833	102	0	152	590	4.7	109.4	37.6	0.0	114.1	1	
1F	0	495	-147	102	0	152	-466	4.7	96.2	6.6	0.0	100.8	1	
1G	0	495	-833	-447	0	-390	590	4.7	182.1	37.6	0.0	186.7	1	
1H	0	495	-147	-447	0	-390	-466	4.7	168.9	8.2	0.0	173.5	1	
1I	0	-4160	-879	357	0	406	311	39.2	157.5	39.6	0.0	196.8	1	
1J	0	-4160	-101	357	0	406	-187	39.2	144.3	6.6	0.0	183.6	1	
1K	0	-4160	-879	-702	0	-644	311	39.2	230.2	39.6	0.0	269.5	1	
1L	0	-4160	-101	-702	0	-644	-187	39.2	217.0	12.9	0.0	256.2	1	
1M	0	1400	-879	357	0	406	311	13.2	157.5	39.6	0.0	170.7	1	
1N	0	1400	-101	357	0	406	-187	13.2	144.3	6.6	0.0	157.5	1	
1O	0	1400	-879	-702	0	-644	311	13.2	230.2	39.6	0.0	243.4	1	
1P	0	1400	-101	-702	0	-644	-187	13.2	217.0	12.9	0.0	230.2	1	
2	0	-1423	-1086	-626	0	-609	751	13.4	266.4	49.0	0.0	279.8	1	
7	0	-1092	-970	-565	0	-512	583	10.3	218.6	43.8	0.0	228.9	1	
8	0	-1655	-954	-498	0	-471	551	15.6	202.7	43.0	0.0	218.3	1	
1A	75	-3255	-896	102	0	35	72	30.7	18.4	40.4	0.0	76.6	4	
1B	75	-3255	-209	102	0	35	-730	30.7	88.5	9.4	0.0	119.3	1	
1C	75	-3255	-896	-447	0	-14	72	30.7	12.0	40.4	0.0	76.5	4	
1D	75	-3255	-209	-447	0	-14	-730	30.7	82.1	9.4	0.0	112.8	1	
1E	75	495	-896	102	0	35	72	4.7	18.4	40.4	0.0	70.2	4	
1F	75	495	-209	102	0	35	-730	4.7	88.5	9.4	0.0	93.2	1	
1G	75	495	-896	-447	0	-14	72	4.7	12.0	40.4	0.0	70.2	4	
1H	75	495	-209	-447	0	-14	-730	4.7	82.1	9.4	0.0	86.8	1	
1I	75	-4160	-941	357	0	116	-470	39.2	85.6	42.5	0.0	124.8	1	
1J	75	-4160	-164	357	0	116	-188	39.2	55.5	7.4	0.0	94.7	1	
1K	75	-4160	-941	-702	0	-95	-470	39.2	79.1	42.5	0.0	118.4	1	
1L	75	-4160	-164	-702	0	-95	-188	39.2	49.0	12.9	0.0	88.3	1	
1M	75	1400	-941	357	0	116	-470	13.2	85.6	42.5	0.0	98.8	1	
1N	75	1400	-164	357	0	116	-188	13.2	55.5	7.4	0.0	68.7	1	
1O	75	1400	-941	-702	0	-95	-470	13.2	79.1	42.5	0.0	92.3	1	

1P	75	1400	-164	-702	0	-95	-188	13.2	49.0	12.9	0.0	62.2	1
2	75	-1423	-1167	-626	0	-139	-94	13.4	52.5	52.6	0.0	92.4	4
7	75	-1092	-1051	-565	0	-88	-175	10.3	45.6	47.4	0.0	82.9	4
8	75	-1655	-1035	-498	0	-97	-195	15.6	50.4	46.7	0.0	82.6	4
1A	150	-3255	-958	102	0	-82	-492	30.7	77.5	43.2	0.0	108.2	1
1B	150	-3255	-272	102	0	-82	-1042	30.7	136.2	12.2	0.0	166.9	1
1C	150	-3255	-958	-447	0	362	-492	30.7	163.1	43.2	0.0	193.8	1
1D	150	-3255	-272	-447	0	362	-1042	30.7	221.8	12.2	0.0	252.5	1
1E	150	495	-958	102	0	-82	-492	4.7	77.5	43.2	0.0	84.1	3
1F	150	495	-272	102	0	-82	-1042	4.7	136.2	12.2	0.0	140.9	1
1G	150	495	-958	-447	0	362	-492	4.7	163.1	43.2	0.0	167.8	1
1H	150	495	-272	-447	0	362	-1042	4.7	221.8	12.2	0.0	226.5	1
1I	150	-4160	-1004	357	0	-175	-1299	39.2	191.8	45.3	0.0	231.1	1
1J	150	-4160	-226	357	0	-175	-235	39.2	78.4	10.2	0.0	117.7	1
1K	150	-4160	-1004	-702	0	454	-1299	39.2	277.4	45.3	0.0	316.7	1
1L	150	-4160	-226	-702	0	454	-235	39.2	164.0	12.9	0.0	203.3	1
1M	150	1400	-1004	357	0	-175	-1299	13.2	191.8	45.3	0.0	205.0	1
1N	150	1400	-226	357	0	-175	-235	13.2	78.4	10.2	0.0	91.7	1
1O	150	1400	-1004	-702	0	454	-1299	13.2	277.4	45.3	0.0	290.6	1
1P	150	1400	-226	-702	0	454	-235	13.2	164.0	12.9	0.0	177.2	1
2	150	-1423	-1248	-626	0	331	-1000	13.4	207.7	56.3	0.0	221.1	1
7	150	-1092	-1132	-565	0	335	-994	10.3	208.5	51.1	0.0	218.8	1
8	150	-1655	-1116	-498	0	277	-1002	15.6	191.5	50.3	0.0	207.2	1

ASTA NUM. 37 NI 593 NF 594 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3199	-956	79	0	362	-492	30.2	163.1	43.1	0.0	193.3	1	
1B	0	-3199	-273	79	0	362	-1042	30.2	221.8	12.3	0.0	252.0	1	
1C	0	-3199	-956	-424	0	-82	-492	30.2	77.5	43.1	0.0	107.7	1	
1D	0	-3199	-273	-424	0	-82	-1042	30.2	136.2	12.3	0.0	166.4	1	
1E	0	439	-956	79	0	362	-492	4.1	163.1	43.1	0.0	167.3	1	
1F	0	439	-273	79	0	362	-1042	4.1	221.8	12.3	0.0	225.9	1	
1G	0	439	-956	-424	0	-82	-492	4.1	77.5	43.1	0.0	84.7	3	
1H	0	439	-273	-424	0	-82	-1042	4.1	136.2	12.3	0.0	140.3	1	
1I	0	-4144	-1001	306	0	454	-235	39.1	164.0	45.1	0.0	203.1	1	
1J	0	-4144	-229	306	0	454	-1299	39.1	277.4	10.3	0.0	316.5	1	
1K	0	-4144	-1001	-651	0	-175	-235	39.1	78.4	45.1	0.0	117.5	1	
1L	0	-4144	-229	-651	0	-175	-1299	39.1	191.8	12.0	0.0	230.9	1	
1M	0	1384	-1001	306	0	454	-235	13.1	164.0	45.1	0.0	177.1	1	
1N	0	1384	-229	306	0	454	-1299	13.1	277.4	10.3	0.0	290.5	1	
1O	0	1384	-1001	-651	0	-175	-235	13.1	78.4	45.1	0.0	91.5	1	
1P	0	1384	-229	-651	0	-175	-1299	13.1	191.8	12.0	0.0	204.9	1	
2	0	-1423	-1248	-626	0	331	-1000	13.4	207.7	56.3	0.0	221.1	1	
7	0	-1092	-1132	-565	0	335	-994	10.3	208.5	51.1	0.0	218.8	1	
8	0	-1655	-1116	-498	0	277	-1002	15.6	191.5	50.3	0.0	207.2	1	
1A	75	-3199	-1019	79	0	665	-845	30.2	293.3	46.0	0.0	323.5	1	
1B	75	-3199	-336	79	0	665	-1658	30.2	380.0	15.1	0.0	410.2	1	
1C	75	-3199	-1019	-424	0	-126	-845	30.2	128.6	46.0	0.0	158.8	1	
1D	75	-3199	-336	-424	0	-126	-1658	30.2	215.3	15.1	0.0	245.4	1	
1E	75	439	-1019	79	0	665	-845	4.1	293.3	46.0	0.0	297.5	1	
1F	75	439	-336	79	0	665	-1658	4.1	380.0	15.1	0.0	384.2	1	
1G	75	439	-1019	-424	0	-126	-845	4.1	128.6	46.0	0.0	132.7	1	
1H	75	439	-336	-424	0	-126	-1658	4.1	215.3	15.1	0.0	219.4	1	
1I	75	-4144	-1063	306	0	932	-470	39.1	335.2	48.0	0.0	374.3	1	
1J	75	-4144	-292	306	0	932	-2033	39.1	501.8	13.2	0.0	540.9	1	
1K	75	-4144	-1063	-651	0	-394	-470	39.1	170.5	48.0	0.0	209.6	1	
1L	75	-4144	-292	-651	0	-394	-2033	39.1	337.0	13.2	0.0	376.1	1	
1M	75	1384	-1063	306	0	932	-470	13.1	335.2	48.0	0.0	348.3	1	
1N	75	1384	-292	306	0	932	-2033	13.1	501.8	13.2	0.0	514.9	1	
1O	75	1384	-1063	-651	0	-394	-470	13.1	170.5	48.0	0.0	183.6	1	
1P	75	1384	-292	-651	0	-394	-2033	13.1	337.0	13.2	0.0	350.1	1	
2	75	-1423	-1330	-626	0	801	-1966	13.4	454.5	60.0	0.0	468.0	1	
7	75	-1092	-1213	-565	0	759	-1874	10.3	431.9	54.7	0.0	442.2	1	
8	75	-1655	-1197	-498	0	651	-1869	15.6	398.3	54.0	0.0	414.0	1	
1A	150	-3199	-1081	79	0	967	-1245	30.2	428.5	48.8	0.0	458.7	1	
1B	150	-3199	-398	79	0	967	-2321	30.2	543.2	18.0	0.0	573.4	1	
1C	150	-3199	-1081	-424	0	-170	-1245	30.2	184.6	48.8	0.0	214.8	1	
1D	150	-3199	-398	-424	0	-170	-2321	30.2	299.3	18.0	0.0	329.5	1	
1E	150	439	-1081	79	0	967	-1245	4.1	428.5	48.8	0.0	432.6	1	
1F	150	439	-398	79	0	967	-2321	4.1	543.2	18.0	0.0	547.4	1	
1G	150	439	-1081	-424	0	-170	-1245	4.1	184.6	48.8	0.0	188.7	1	
1H	150	439	-398	-424	0	-170	-2321	4.1	299.3	18.0	0.0	303.5	1	
1I	150	-4144	-1125	306	0	1410	-752	39.1	511.5	50.8	0.0	550.6	1	
1J	150	-4144	-354	306	0	1410	-2814	39.1	731.2	16.0	0.0	770.3	1	
1K	150	-4144	-1125	-651	0	-613	-752	39.1	267.5	50.8	0.0	306.6	1	
1L	150	-4144	-354	-651	0	-613	-2814	39.1	487.3	16.0	0.0	526.4	1	
1M	150	1384	-1125	306	0	1410	-752	13.1	511.5	50.8	0.0	524.5	1	
1N	150	1384	-354	306	0	1410	-2814	13.1	731.2	16.0	0.0	744.2	1	
1O	150	1384	-1125	-651	0	-613	-752	13.1	267.5	50.8	0.0	280.6	1	
1P	150	1384	-354	-651	0	-613	-2814	13.1	487.3	16.0	0.0	500.3	1	
2	150	-1423	-1411	-626	0	1271	-2994	13.4	707.9	63.7	0.0	721.3	1	
7	150	-1092	-1294	-565	0	1183	-2814	10.3	661.8	58.4	0.0	672.1	1	
8	150	-1655	-1278	-498	0	1025	-2797	15.6	611.6	57.7	0.0	627.2	1	

ASTA NUM. 38 NI 594 NF 898 Lungh. 100.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3618	1460	1422	0	1324	-1496	34.1	564.5	65.9	0.0	598.6	1	
1B	0	-3618	1920	1422	0	1324	-2388	34.1	659.6	86.6	0.0	693.8	1	
1C	0	-3618	1460	31	0	105	-1496	34.1	191.6	65.9	0.0	225.7	1	
1D	0	-3618	1920	31	0	105	-2388	34.1	286.8	86.6	0.0	320.9	1	
1E	0	-460	1460	1422	0	1324	-1496	4.3	564.5	65.9	0.0	568.8	1	
1F	0	-460	1920	1422	0	1324	-2388	4.3	659.6	86.6	0.0	664.0	1	
1G	0	-460	1460	31	0	105	-1496	4.3	191.6	65.9	0.0	195.9	1	
1H	0	-460	1920	31	0	105	-2388	4.3	286.8	86.6	0.0	291.1	1	
1I	0	-4927	1130	1316	0	1341	-857	46.5	501.6	51.0	0.0	548.1	1	
1J	0	-4927	2250	1316	0	1341	-3027	46.5	732.9	101.5	0.0	779.3	1	
1K	0	-4927	1130	137	0	88	-857	46.5	118.4	51.0	0.0	164.8	1	
1L	0	-4927	2250	137	0	88	-3027	46.5	349.6	101.5	0.0	396.1	1	
1M	0	849	1130	1316	0	1341	-857	8.0	501.6	51.0	0.0	509.6	1	
1N	0	849	2250	1316	0	1341	-3027	8.0	732.9	101.5	0.0	740.9	1	
1O	0	849	1130	137	0	88	-857	8.0	118.4	51.0	0.0	126.4	1	
1P	0	849	2250	137	0	88	-3027	8.0	349.6	101.5	0.0	357.6	1	
2	0	-2463	2955	1601	0	1629	-3243	23.2	843.9	133.3	0.0	867.1	1	
7	0	-2120	2763	1519	0	1537	-3061	20.0	796.4	124.6	0.0	816.4	1	
8	0	-2626	2730	1385	0	1400	-3030	24.8	751.2	123.2	0.0	775.9	1	
1A	50	-3618	1165	1422	0	567	-773	34.1	255.9	52.5	0.0	290.0	1	
1B	50	-3618	1624	1422	0	567	-1569	34.1	340.8	73.3	0.0	374.9	1	
1C	50	-3618	1165	31	0	136	-773	34.1	123.8	52.5	0.0	158.0	1	
1D	50	-3618	1624	31	0	136	-1569	34.1	208.8	73.3	0.0	242.9	1	
1E	50	-460	1165	1422	0	567	-773	4.3	255.9	52.5	0.0	260.2	1	
1F	50	-460	1624	1422	0	567	-1569	4.3	340.8	73.3	0.0	345.1	1	
1G	50	-460	1165	31	0	136	-773	4.3	123.8	52.5	0.0	128.2	1	
1H	50	-460	1624	31	0	136	-1569	4.3	208.8	73.3	0.0	213.1	1	
1I	50	-4927	834	1316	0	767	-316	46.5	268.2	37.6	0.0	314.6	1	
1J	50	-4927	1955	1316	0	767	-2026	46.5	450.4	88.2	0.0	496.9	1	
1K	50	-4927	834	137	0	-64	-316	46.5	53.1	37.6	0.0	99.6	1	
1L	50	-4927	1955	137	0	-64	-2026	46.5	235.4	88.2	0.0	281.9	1	
1M	50	849	834	1316	0	767	-316	8.0	268.2	37.6	0.0	276.2	1	
1N	50	849	1955	1316	0	767	-2026	8.0	450.4	88.2	0.0	458.4	1	
1O	50	849	834	137	0	-64	-316	8.0	53.1	37.6	0.0	69.7	3	
1P	50	849	1955	137	0	-64	-2026	8.0	235.4	88.2	0.0	243.4	1	
2	50	-2463	2571	1601	0	829	-1862	23.2	451.9	116.0	0.0	475.1	1	
7	50	-2120	2379	1519	0	777	-1775	20.0	427.0	107.3	0.0	447.0	1	
8	50	-2626	2346	1385	0	708	-1761	24.8	404.1	105.8	0.0	428.9	1	
1A	100	-3618	869	1422	0	-190	-198	34.1	79.1	39.2	0.0	113.2	1	
1B	100	-3618	1329	1422	0	-190	-898	34.1	153.7	60.0	0.0	187.9	1	
1C	100	-3618	869	31	0	166	-198	34.1	71.8	39.2	0.0	106.0	1	
1D	100	-3618	1329	31	0	166	-898	34.1	146.5	60.0	0.0	180.6	1	
1E	100	-460	869	1422	0	-190	-198	4.3	79.1	39.2	0.0	83.4	1	
1F	100	-460	1329	1422	0	-190	-898	4.3	153.7	60.0	0.0	158.1	1	
1G	100	-460	869	31	0	166	-198	4.3	71.8	39.2	0.0	76.2	1	
1H	100	-460	1329	31	0	166	-898	4.3	146.5	60.0	0.0	150.8	1	
1I	100	-4927	539	1316	0	192	77	46.5	66.9	24.3	0.0	113.4	1	
1J	100	-4927	1659	1316	0	192	-1173	46.5	183.7	74.8	0.0	230.2	1	
1K	100	-4927	539	137	0	-216	77	46.5	74.2	24.3	0.0	120.7	1	
1L	100	-4927	1659	137	0	-216	-1173	46.5	191.0	74.8	0.0	237.4	1	
1M	100	849	539	1316	0	192	77	8.0	66.9	24.3	0.0	75.0	1	
1N	100	849	1659	1316	0	192	-1173	8.0	183.7	74.8	0.0	191.7	1	
1O	100	849	539	137	0	-216	77	8.0	74.2	24.3	0.0	82.2	1	
1P	100	849	1659	137	0	-216	-1173	8.0	191.0	74.8	0.0	199.0	1	
2	100	-2463	2186	1601	0	28	-673	23.2	80.3	98.6	0.0	182.3	3	
7	100	-2120	1995	1519	0	18	-682	20.0	78.1	90.0	0.0	169.3	3	
8	100	-2626	1962	1385	0	15	-684	24.8	77.5	88.5	0.0	168.7	3	

ASTA NUM. 39 NI 600 NF 598 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2880	289	424	0	899	-1042	27.2	386.1	13.0	0.0	413.3	1	
1B	0	-2880	1115	424	0	899	-2422	27.2	533.1	50.3	0.0	560.2	1	
1C	0	-2880	289	-69	0	-123	-1042	27.2	148.7	13.0	0.0	175.8	1	
1D	0	-2880	1115	-69	0	-123	-2422	27.2	295.6	50.3	0.0	322.8	1	
1E	0	854	289	424	0	899	-1042	8.1	386.1	13.0	0.0	394.1	1	
1F	0	854	1115	424	0	899	-2422	8.1	533.1	50.3	0.0	541.1	1	
1G	0	854	289	-69	0	-123	-1042	8.1	148.7	13.0	0.0	156.7	1	
1H	0	854	1115	-69	0	-123	-2422	8.1	295.6	50.3	0.0	303.7	1	
1I	0	-3871	229	653	0	1329	-477	36.5	457.4	12.0	0.0	493.9	1	
1J	0	-3871	1175	653	0	1329	-2987	36.5	724.9	53.0	0.0	761.4	1	
1K	0	-3871	229	-298	0	-553	-477	36.5	220.0	10.4	0.0	256.5	1	
1L	0	-3871	1175	-298	0	-553	-2987	36.5	487.5	53.0	0.0	524.0	1	
1M	0	1845	229	653	0	1329	-477	17.4	457.4	12.0	0.0	474.8	1	
1N	0	1845	1175	653	0	1329	-2987	17.4	724.9	53.0	0.0	742.3	1	
1O	0	1845	229	-298	0	-553	-477	17.4	220.0	10.4	0.0	237.4	1	
1P	0	1845	1175	-298	0	-553	-2987	17.4	487.5	53.0	0.0	504.9	1	
2	0	-1094	1297	604	0	1193	-2754	10.3	658.4	58.5	0.0	668.7	1	
7	0	-720	1197	546	0	1113	-2616	6.8	619.2	54.0	0.0	626.0	1	

8	0	-1284	1184	485	0	969	-2609	12.1	574.3	53.4	0.0	586.4	1
1A	150	-2880	164	424	0	238	-714	27.2	149.0	7.8	0.0	176.1	1
1B	150	-2880	990	424	0	238	-831	27.2	161.5	44.7	0.0	188.7	1
1C	150	-2880	164	-69	0	6	-714	27.2	77.8	7.4	0.0	104.9	1
1D	150	-2880	990	-69	0	6	-831	27.2	90.3	44.7	0.0	124.4	3
1E	150	854	164	424	0	238	-714	8.1	149.0	7.8	0.0	157.0	1
1F	150	854	990	424	0	238	-831	8.1	161.5	44.7	0.0	169.6	1
1G	150	854	164	-69	0	6	-714	8.1	77.8	7.4	0.0	85.8	1
1H	150	854	990	-69	0	6	-831	8.1	90.3	44.7	0.0	109.0	3
1I	150	-3871	105	653	0	335	-261	36.5	130.3	12.0	0.0	166.9	1
1J	150	-3871	1050	653	0	335	-1284	36.5	239.4	47.4	0.0	275.9	1
1K	150	-3871	105	-298	0	-91	-261	36.5	55.7	5.5	0.0	92.2	1
1L	150	-3871	1050	-298	0	-91	-1284	36.5	164.7	47.4	0.0	201.3	1
1M	150	1845	105	653	0	335	-261	17.4	130.3	12.0	0.0	147.7	1
1N	150	1845	1050	653	0	335	-1284	17.4	239.4	47.4	0.0	256.8	1
1O	150	1845	105	-298	0	-91	-261	17.4	55.7	5.5	0.0	73.1	1
1P	150	1845	1050	-298	0	-91	-1284	17.4	164.7	47.4	0.0	182.1	1
2	150	-1094	1135	604	0	287	-930	10.3	186.9	51.2	0.0	197.3	1
7	150	-720	1035	546	0	294	-942	6.8	190.3	46.7	0.0	197.1	1
8	150	-1284	1022	485	0	241	-955	12.1	175.3	46.1	0.0	187.4	1
1A	300	-2880	40	424	0	-422	-572	27.2	190.1	7.8	0.0	217.3	1
1B	300	-2880	865	424	0	-422	572	27.2	190.1	39.0	0.0	217.3	1
1C	300	-2880	40	-69	0	134	-572	27.2	102.0	1.8	0.0	129.1	1
1D	300	-2880	865	-69	0	134	572	27.2	102.0	39.0	0.0	129.2	1
1E	300	854	40	424	0	-422	-572	8.1	190.1	7.8	0.0	198.2	1
1F	300	854	865	424	0	-422	572	8.1	190.1	39.0	0.0	198.2	1
1G	300	854	40	-69	0	134	-572	8.1	102.0	1.8	0.0	110.0	1
1H	300	854	865	-69	0	134	572	8.1	102.0	39.0	0.0	110.0	1
1I	300	-3871	-20	653	0	-659	-232	36.5	226.2	12.0	0.0	262.7	1
1J	300	-3871	925	653	0	-659	232	36.5	226.2	41.7	0.0	262.8	1
1K	300	-3871	-20	-298	0	370	-232	36.5	138.1	5.5	0.0	174.6	1
1L	300	-3871	925	-298	0	370	232	36.5	138.1	41.7	0.0	174.6	1
1M	300	1845	-20	653	0	-659	-232	17.4	226.2	12.0	0.0	243.6	1
1N	300	1845	925	653	0	-659	232	17.4	226.2	41.7	0.0	243.6	1
1O	300	1845	-20	-298	0	370	-232	17.4	138.1	5.5	0.0	155.5	1
1P	300	1845	925	-298	0	370	232	17.4	138.1	41.7	0.0	155.5	1
2	300	-1094	973	604	0	-618	651	10.3	258.6	43.9	0.0	268.9	1
7	300	-720	873	546	0	-525	489	6.8	212.8	39.4	0.0	219.6	1
8	300	-1284	859	485	0	-488	456	12.1	197.7	38.8	0.0	209.8	1

ASTA NUM. 40 NI 598 NF 596 Lungh. 300.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2712	-380	32	0	-50	585	25.6	77.5	17.1	0.0	103.1	1	
1B	0	-2712	661	32	0	-50	-541	25.6	72.8	29.8	0.0	98.4	1	
1C	0	-2712	-380	-124	0	-279	585	25.6	147.7	17.1	0.0	173.3	1	
1D	0	-2712	661	-124	0	-279	-541	25.6	143.1	29.8	0.0	168.6	1	
1E	0	889	-380	32	0	-50	585	8.4	77.5	17.1	0.0	85.9	1	
1F	0	889	661	32	0	-50	-541	8.4	72.8	29.8	0.0	81.2	1	
1G	0	889	-380	-124	0	-279	585	8.4	147.7	17.1	0.0	156.1	1	
1H	0	889	661	-124	0	-279	-541	8.4	143.1	29.8	0.0	151.4	1	
1I	0	-3061	-154	86	0	-25	344	28.9	44.5	7.0	0.0	73.3	1	
1J	0	-3061	435	86	0	-25	-301	28.9	39.8	19.6	0.0	68.7	1	
1K	0	-3061	-154	-179	0	-303	344	28.9	129.5	7.0	0.0	158.4	1	
1L	0	-3061	435	-179	0	-303	-301	28.9	124.9	19.6	0.0	153.7	1	
1M	0	1239	-154	86	0	-25	344	11.7	44.5	7.0	0.0	56.1	1	
1N	0	1239	435	86	0	-25	-301	11.7	39.8	19.6	0.0	51.5	1	
1O	0	1239	-154	-179	0	-303	344	11.7	129.5	7.0	0.0	141.2	1	
1P	0	1239	435	-179	0	-303	-301	11.7	124.9	19.6	0.0	136.5	1	
2	0	-1577	215	-17	0	-376	534	14.9	171.9	9.7	0.0	186.8	1	
7	0	-1114	221	-41	0	-320	394	10.5	139.9	10.0	0.0	150.4	1	
8	0	-1573	209	-25	0	-330	385	14.8	142.0	9.4	0.0	156.8	1	
1A	150	-2712	-505	32	0	-123	-84	25.6	46.6	22.8	0.0	72.1	1	
1B	150	-2712	536	32	0	-123	361	25.6	76.1	24.2	0.0	101.7	1	
1C	150	-2712	-505	-124	0	-67	-84	25.6	29.4	22.8	0.0	54.9	1	
1D	150	-2712	536	-124	0	-67	361	25.6	58.9	24.2	0.0	84.5	1	
1E	150	889	-505	32	0	-123	-84	8.4	46.6	22.8	0.0	54.9	1	
1F	150	889	536	32	0	-123	361	8.4	76.1	24.2	0.0	84.5	1	
1G	150	889	-505	-124	0	-67	-84	8.4	29.4	22.8	0.0	40.5	4	
1H	150	889	536	-124	0	-67	361	8.4	58.9	24.2	0.0	67.3	1	
1I	150	-3061	-279	86	0	-214	3	28.9	65.8	12.6	0.0	94.7	1	
1J	150	-3061	310	86	0	-214	274	28.9	94.7	14.0	0.0	123.6	1	
1K	150	-3061	-279	-179	0	24	3	28.9	7.8	12.6	0.0	36.6	1	
1L	150	-3061	310	-179	0	24	274	28.9	36.6	14.0	0.0	65.5	1	
1M	150	1239	-279	86	0	-214	3	11.7	65.8	12.6	0.0	77.5	1	
1N	150	1239	310	86	0	-214	274	11.7	94.7	14.0	0.0	106.4	1	
1O	150	1239	-279	-179	0	24	3	11.7	7.8	12.6	0.0	24.9	4	
1P	150	1239	310	-179	0	24	274	11.7	36.6	14.0	0.0	48.3	1	
2	150	-1577	52	-17	0	-351	734	14.9	185.6	2.4	0.0	200.4	1	
7	150	-1114	59	-41	0	-259	604	10.5	143.7	2.7	0.0	154.2	1	
8	150	-1573	47	-25	0	-293	577	14.8	151.0	2.1	0.0	165.8	1	
1A	300	-2712	-629	32	0	-196	-939	25.6	160.2	28.4	0.0	185.8	1	
1B	300	-2712	411	32	0	-196	1077	25.6	174.8	18.5	0.0	200.4	1	
1C	300	-2712	-629	-124	0	146	-939	25.6	144.7	28.4	0.0	170.2	1	
1D	300	-2712	411	-124	0	146	1077	25.6	159.3	18.5	0.0	184.9	1	
1E	300	889	-629	32	0	-196	-939	8.4	160.2	28.4	0.0	168.6	1	

1F	300	889	411	32	0	-196	1077	8.4	174.8	18.5	0.0	183.2	1
1G	300	889	-629	-124	0	146	-939	8.4	144.7	28.4	0.0	153.0	1
1H	300	889	411	-124	0	146	1077	8.4	159.3	18.5	0.0	167.7	1
1I	300	-3061	-404	86	0	-403	-525	28.9	179.1	18.2	0.0	208.0	1
1J	300	-3061	185	86	0	-403	662	28.9	193.7	8.4	0.0	222.6	1
1K	300	-3061	-404	-179	0	352	-525	28.9	163.6	18.2	0.0	192.4	1
1L	300	-3061	185	-179	0	352	662	28.9	178.2	8.4	0.0	207.1	1
1M	300	1239	-404	86	0	-403	-525	11.7	179.1	18.2	0.0	190.8	1
1N	300	1239	185	86	0	-403	662	11.7	193.7	8.4	0.0	205.4	1
1O	300	1239	-404	-179	0	352	-525	11.7	163.6	18.2	0.0	175.2	1
1P	300	1239	185	-179	0	352	662	11.7	178.2	8.4	0.0	189.9	1
2	300	-1577	-110	-17	0	-326	691	14.9	173.3	5.0	0.0	188.1	1
7	300	-1114	-103	-41	0	-199	571	10.5	121.6	4.7	0.0	132.1	1
8	300	-1573	-115	-25	0	-255	526	14.8	134.1	5.2	0.0	149.0	1

ASTA NUM. 41 NI 596 NF 595 Lungh. 150.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y qy tot.
qy medio: 0.8321 0.8321 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1478	-539	364	0	249	981	13.9	180.6	24.3	0.0	194.6	1	
1B	0	-1478	286	364	0	249	-632	13.9	143.4	12.9	0.0	157.4	1	
1C	0	-1478	-539	-895	0	-668	981	13.9	308.9	24.3	0.0	322.8	1	
1D	0	-1478	286	-895	0	-668	-632	13.9	271.7	16.4	0.0	285.6	1	
1E	0	558	-539	364	0	249	981	5.3	180.6	24.3	0.0	185.9	1	
1F	0	558	286	364	0	249	-632	5.3	143.4	12.9	0.0	148.7	1	
1G	0	558	-539	-895	0	-668	981	5.3	308.9	24.3	0.0	314.2	1	
1H	0	558	286	-895	0	-668	-632	5.3	271.7	16.4	0.0	277.0	1	
1I	0	-1584	-310	503	0	456	532	14.9	196.3	14.0	0.0	211.3	1	
1J	0	-1584	58	503	0	456	-183	14.9	159.1	9.3	0.0	174.1	1	
1K	0	-1584	-310	-1034	0	-876	532	14.9	324.6	19.0	0.0	339.6	1	
1L	0	-1584	58	-1034	0	-876	-183	14.9	287.4	19.0	0.0	302.4	1	
1M	0	664	-310	503	0	456	532	6.3	196.3	14.0	0.0	202.6	1	
1N	0	664	58	503	0	456	-183	6.3	159.1	9.3	0.0	165.4	1	
1O	0	664	-310	-1034	0	-876	532	6.3	324.6	19.0	0.0	330.9	1	
1P	0	664	58	-1034	0	-876	-183	6.3	287.4	19.0	0.0	293.7	1	
2	0	-920	-634	-648	0	-593	850	8.7	272.1	28.6	0.0	280.7	1	
7	0	-644	-480	-430	0	-384	685	6.1	190.5	21.7	0.0	196.6	1	
8	0	-884	-521	-602	0	-537	691	8.3	238.0	23.5	0.0	246.3	1	
1A	75	-1478	-601	364	0	-28	586	13.9	71.0	27.1	0.0	85.0	1	
1B	75	-1478	224	364	0	-28	-473	13.9	59.0	10.1	0.0	72.9	1	
1C	75	-1478	-601	-895	0	7	586	13.9	64.6	27.1	0.0	84.6	3	
1D	75	-1478	224	-895	0	7	-473	13.9	52.5	16.4	0.0	66.4	1	
1E	75	558	-601	364	0	-28	586	5.3	71.0	27.1	0.0	76.3	1	
1F	75	558	224	364	0	-28	-473	5.3	59.0	10.1	0.0	64.2	1	
1G	75	558	-601	-895	0	7	586	5.3	64.6	27.1	0.0	77.8	3	
1H	75	558	224	-895	0	7	-473	5.3	52.5	16.4	0.0	58.5	3	
1I	75	-1584	-373	503	0	67	367	14.9	59.6	16.8	0.0	74.6	1	
1J	75	-1584	-4	503	0	67	-254	14.9	47.6	9.3	0.0	62.5	1	
1K	75	-1584	-373	-1034	0	-88	367	14.9	66.1	19.0	0.0	81.0	1	
1L	75	-1584	-4	-1034	0	-88	-254	14.9	54.0	19.0	0.0	69.0	1	
1M	75	664	-373	503	0	67	367	6.3	59.6	16.8	0.0	65.9	1	
1N	75	664	-4	503	0	67	-254	6.3	47.6	9.3	0.0	53.9	1	
1O	75	664	-373	-1034	0	-88	367	6.3	66.1	19.0	0.0	72.4	1	
1P	75	664	-4	-1034	0	-88	-254	6.3	54.0	19.0	0.0	60.3	1	
2	75	-920	-716	-648	0	-107	344	8.7	69.3	32.3	0.0	78.0	1	
7	75	-644	-561	-430	0	-62	294	6.1	50.3	25.3	0.0	56.4	1	
8	75	-884	-602	-602	0	-86	270	8.3	55.0	27.2	0.0	63.3	1	
1A	150	-1478	-663	364	0	-305	144	13.9	108.5	29.9	0.0	122.5	1	
1B	150	-1478	162	364	0	-305	-360	13.9	131.6	7.3	0.0	145.5	1	
1C	150	-1478	-663	-895	0	682	144	13.9	223.9	29.9	0.0	237.8	1	
1D	150	-1478	162	-895	0	682	-360	13.9	247.0	16.4	0.0	260.9	1	
1E	150	558	-663	364	0	-305	144	5.3	108.5	29.9	0.0	113.8	1	
1F	150	558	162	364	0	-305	-360	5.3	131.6	7.3	0.0	136.8	1	
1G	150	558	-663	-895	0	682	144	5.3	223.9	29.9	0.0	229.2	1	
1H	150	558	162	-895	0	682	-360	5.3	247.0	16.4	0.0	252.2	1	
1I	150	-1584	-435	503	0	-323	156	14.9	115.3	19.6	0.0	130.3	1	
1J	150	-1584	-67	503	0	-323	-373	14.9	138.4	9.3	0.0	153.3	1	
1K	150	-1584	-435	-1034	0	700	156	14.9	230.7	19.6	0.0	245.6	1	
1L	150	-1584	-67	-1034	0	700	-373	14.9	253.8	19.0	0.0	268.7	1	
1M	150	664	-435	503	0	-323	156	6.3	115.3	19.6	0.0	121.6	1	
1N	150	664	-67	503	0	-323	-373	6.3	138.4	9.3	0.0	144.6	1	
1O	150	664	-435	-1034	0	700	156	6.3	230.7	19.6	0.0	237.0	1	
1P	150	664	-67	-1034	0	700	-373	6.3	253.8	19.0	0.0	260.0	1	
2	150	-920	-797	-648	0	380	-223	8.7	139.9	35.9	0.0	148.5	1	
7	150	-644	-642	-430	0	261	-157	6.1	96.5	29.0	0.0	102.5	1	
8	150	-884	-684	-602	0	366	-213	8.3	134.5	30.8	0.0	142.8	1	

ASTA NUM. 42 NI 898 NF 896 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4672	798	145	0	182	-198	44.1	76.7	36.0	0.0	120.8	1	

1B	0	-4672	1232	145	0	182	-903	44.1	151.8	55.6	0.0	195.9	1
1C	0	-4672	798	-167	0	-193	-198	44.1	80.0	36.0	0.0	124.1	1
1D	0	-4672	1232	-167	0	-193	-903	44.1	155.1	55.6	0.0	199.2	1
1E	0	8016	798	145	0	182	-198	75.6	76.7	36.0	0.0	152.4	1
1F	0	8016	1232	145	0	182	-903	75.6	151.8	55.6	0.0	227.4	1
1G	0	8016	798	-167	0	-193	-198	75.6	80.0	36.0	0.0	155.7	1
1H	0	8016	1232	-167	0	-193	-903	75.6	155.1	55.6	0.0	230.7	1
1I	0	-14891	554	256	0	225	81	140.5	77.4	25.0	0.0	217.9	1
1J	0	-14891	1476	256	0	225	-1182	140.5	194.7	66.6	0.0	335.2	1
1K	0	-14891	554	-278	0	-236	81	140.5	80.7	25.0	0.0	221.2	1
1L	0	-14891	1476	-278	0	-236	-1182	140.5	198.0	66.6	0.0	338.5	1
1M	0	18235	554	256	0	225	81	172.0	77.4	25.0	0.0	249.5	1
1N	0	18235	1476	256	0	225	-1182	172.0	194.7	66.6	0.0	366.8	1
1O	0	18235	554	-278	0	-236	81	172.0	80.7	25.0	0.0	252.8	1
1P	0	18235	1476	-278	0	-236	-1182	172.0	198.0	66.6	0.0	370.0	1
2	0	2574	1289	8	0	36	-677	24.3	83.3	58.1	0.0	125.1	3
7	0	2844	1297	1	0	26	-686	26.8	81.0	58.5	0.0	127.7	3
8	0	2352	1298	2	0	23	-688	22.2	80.4	58.6	0.0	124.7	3
1A	100	-4672	207	145	0	29	291	44.1	39.7	9.3	0.0	83.8	1
1B	100	-4672	641	145	0	29	48	44.1	13.9	28.9	0.0	67.0	4
1C	100	-4672	207	-167	0	-18	291	44.1	36.4	9.3	0.0	80.4	1
1D	100	-4672	641	-167	0	-18	48	44.1	10.6	28.9	0.0	66.9	4
1E	100	8016	207	145	0	29	291	75.6	39.7	9.3	0.0	115.4	1
1F	100	8016	641	145	0	29	48	75.6	13.9	28.9	0.0	92.2	3
1G	100	8016	207	-167	0	-18	291	75.6	36.4	9.3	0.0	112.0	1
1H	100	8016	641	-167	0	-18	48	75.6	10.6	28.9	0.0	92.1	3
1I	100	-14891	-37	256	0	-45	334	140.5	49.3	4.7	0.0	189.8	1
1J	100	-14891	885	256	0	-45	5	140.5	14.3	39.9	0.0	157.1	4
1K	100	-14891	-37	-278	0	56	334	140.5	52.7	5.1	0.0	193.2	1
1L	100	-14891	885	-278	0	56	5	140.5	17.6	39.9	0.0	158.1	1
1M	100	18235	-37	256	0	-45	334	172.0	49.3	4.7	0.0	221.4	1
1N	100	18235	885	256	0	-45	5	172.0	14.3	39.9	0.0	186.3	1
1O	100	18235	-37	-278	0	56	334	172.0	52.7	5.1	0.0	224.7	1
1P	100	18235	885	-278	0	56	5	172.0	17.6	39.9	0.0	189.7	1
2	100	2574	521	8	0	28	228	24.3	33.0	23.5	0.0	58.3	3
7	100	2844	528	1	0	25	227	26.8	31.8	23.8	0.0	60.5	3
8	100	2352	530	2	0	21	226	22.2	30.6	23.9	0.0	56.9	3
1A	200	-4672	-384	145	0	-125	188	44.1	58.1	17.3	0.0	102.2	1
1B	200	-4672	50	145	0	-125	408	44.1	81.6	2.7	0.0	125.7	1
1C	200	-4672	-384	-167	0	157	188	44.1	68.2	17.3	0.0	112.2	1
1D	200	-4672	50	-167	0	157	408	44.1	91.6	3.1	0.0	135.7	1
1E	200	8016	-384	145	0	-125	188	75.6	58.1	17.3	0.0	133.8	1
1F	200	8016	50	145	0	-125	408	75.6	81.6	2.7	0.0	157.2	1
1G	200	8016	-384	-167	0	157	188	75.6	68.2	17.3	0.0	143.8	1
1H	200	8016	50	-167	0	157	408	75.6	91.6	3.1	0.0	167.3	1
1I	200	-14891	-628	256	0	-315	-4	140.5	96.7	28.3	0.0	237.2	1
1J	200	-14891	294	256	0	-315	601	140.5	160.3	13.3	0.0	300.8	1
1K	200	-14891	-628	-278	0	347	-4	140.5	106.7	28.3	0.0	247.2	1
1L	200	-14891	294	-278	0	347	601	140.5	170.3	13.3	0.0	310.8	1
1M	200	18235	-628	256	0	-315	-4	172.0	96.7	28.3	0.0	268.7	1
1N	200	18235	294	256	0	-315	601	172.0	160.3	13.3	0.0	332.3	1
1O	200	18235	-628	-278	0	347	-4	172.0	106.7	28.3	0.0	278.8	1
1P	200	18235	294	-278	0	347	601	172.0	170.3	13.3	0.0	342.3	1
2	200	2574	-248	8	0	20	365	24.3	45.0	11.2	0.0	69.3	1
7	200	2844	-240	1	0	24	371	26.8	46.9	10.8	0.0	73.7	1
8	200	2352	-239	2	0	20	371	22.2	45.5	10.8	0.0	67.7	1

ASTA NUM. 43 NI 896 NF 894 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1028	687	229	0	152	402	9.7	89.4	31.0	0.0	99.1	1	
1B	0	1028	814	229	0	152	185	9.7	66.2	36.7	0.0	75.9	1	
1C	0	1028	687	95	0	-111	402	9.7	76.7	31.0	0.0	86.4	1	
1D	0	1028	814	95	0	-111	185	9.7	53.6	36.7	0.0	64.5	4	
1E	0	12542	687	229	0	152	402	118.3	89.4	31.0	0.0	207.7	1	
1F	0	12542	814	229	0	152	185	118.3	66.2	36.7	0.0	184.6	1	
1G	0	12542	687	95	0	-111	402	118.3	76.7	31.0	0.0	195.0	1	
1H	0	12542	814	95	0	-111	185	118.3	53.6	36.7	0.0	171.9	1	
1I	0	-9384	627	289	0	327	591	88.5	162.9	28.3	0.0	251.5	1	
1J	0	-9384	873	289	0	327	-4	88.5	100.3	39.4	0.0	188.9	1	
1K	0	-9384	627	35	0	-285	591	88.5	150.3	28.3	0.0	238.8	1	
1L	0	-9384	873	35	0	-285	-4	88.5	87.7	39.4	0.0	176.2	1	
1M	0	22954	627	289	0	327	591	216.5	162.9	28.3	0.0	379.5	1	
1N	0	22954	873	289	0	327	-4	216.5	100.3	39.4	0.0	316.9	1	
1O	0	22954	627	35	0	-285	591	216.5	150.3	28.3	0.0	366.8	1	
1P	0	22954	873	35	0	-285	-4	216.5	87.7	39.4	0.0	304.2	1	
2	0	9226	980	203	0	26	359	87.0	46.1	44.2	0.0	138.6	3	
7	0	9479	981	206	0	29	366	89.4	48.0	44.3	0.0	141.2	3	
8	0	9005	978	205	0	25	366	85.0	46.6	44.1	0.0	137.2	3	
1A	100	1028	95	229	0	16	911	9.7	102.0	4.3	0.0	111.7	1	
1B	100	1028	222	229	0	16	585	9.7	67.3	10.0	0.0	76.9	1	
1C	100	1028	95	95	0	-299	911	9.7	188.5	4.3	0.0	198.2	1	
1D	100	1028	222	95	0	-299	585	9.7	153.7	10.0	0.0	163.4	1	
1E	100	12542	95	229	0	16	911	118.3	102.0	4.3	0.0	220.3	1	
1F	100	12542	222	229	0	16	585	118.3	67.3	10.0	0.0	185.6	1	
1G	100	12542	95	95	0	-299	911	118.3	188.5	4.3	0.0	306.8	1	
1H	100	12542	222	95	0	-299	585	118.3	153.7	10.0	0.0	272.1	1	

1I	100	-9384	36	289	0	263	1155	88.5	203.6	5.3	0.0	292.1	1
1J	100	-9384	282	289	0	263	341	88.5	116.8	12.7	0.0	205.3	1
1K	100	-9384	36	35	0	-546	1155	88.5	290.1	1.6	0.0	378.6	1
1L	100	-9384	282	35	0	-546	341	88.5	203.3	12.7	0.0	291.8	1
1M	100	22954	36	289	0	263	1155	216.5	203.6	5.3	0.0	420.1	1
1N	100	22954	282	289	0	263	341	216.5	116.8	12.7	0.0	333.4	1
1O	100	22954	36	35	0	-546	1155	216.5	290.1	1.6	0.0	506.6	1
1P	100	22954	282	35	0	-546	341	216.5	203.3	12.7	0.0	419.8	1
2	100	9226	212	203	0	-178	955	87.0	156.1	9.6	0.0	243.2	1
7	100	9479	213	206	0	-177	963	89.4	156.7	9.6	0.0	246.2	1
8	100	9005	210	205	0	-180	959	85.0	157.4	9.5	0.0	242.3	1
1A	200	1028	-496	229	0	-120	829	9.7	125.0	22.4	0.0	134.7	1
1B	200	1028	-369	229	0	-120	394	9.7	78.7	16.6	0.0	88.4	1
1C	200	1028	-496	95	0	-487	829	9.7	237.2	22.4	0.0	246.9	1
1D	200	1028	-369	95	0	-487	394	9.7	190.9	16.6	0.0	200.6	1
1E	200	12542	-496	229	0	-120	829	118.3	125.0	22.4	0.0	243.4	1
1F	200	12542	-369	229	0	-120	394	118.3	78.7	16.6	0.0	197.0	1
1G	200	12542	-496	95	0	-487	829	118.3	237.2	22.4	0.0	355.6	1
1H	200	12542	-369	95	0	-487	394	118.3	190.9	16.6	0.0	309.2	1
1I	200	-9384	-555	289	0	200	1128	88.5	181.3	25.1	0.0	269.8	1
1J	200	-9384	-309	289	0	200	95	88.5	71.1	14.0	0.0	159.7	1
1K	200	-9384	-555	35	0	-806	1128	88.5	366.9	25.1	0.0	455.4	1
1L	200	-9384	-309	35	0	-806	95	88.5	256.7	14.0	0.0	345.3	1
1M	200	22954	-555	289	0	200	1128	216.5	181.3	25.1	0.0	397.8	1
1N	200	22954	-309	289	0	200	95	216.5	71.1	14.0	0.0	287.7	1
1O	200	22954	-555	35	0	-806	1128	216.5	366.9	25.1	0.0	583.4	1
1P	200	22954	-309	35	0	-806	95	216.5	256.7	14.0	0.0	473.3	1
2	200	9226	-557	203	0	-381	783	87.0	200.0	25.1	0.0	287.0	1
7	200	9479	-556	206	0	-384	791	89.4	201.6	25.1	0.0	291.0	1
8	200	9005	-559	205	0	-385	785	85.0	201.5	25.2	0.0	286.5	1

ASTA NUM. 44 NI 894 NF 892 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-294	486	-141	0	-120	824	2.8	124.6	21.9	0.0	127.4	1	
1B	0	-294	569	-141	0	-120	393	2.8	78.7	25.7	0.0	81.5	1	
1C	0	-294	486	-217	0	-480	824	2.8	234.6	21.9	0.0	237.4	1	
1D	0	-294	569	-217	0	-480	393	2.8	188.6	25.7	0.0	191.4	1	
1E	0	16366	486	-141	0	-120	824	154.4	124.6	21.9	0.0	279.0	1	
1F	0	16366	569	-141	0	-120	393	154.4	78.7	25.7	0.0	233.1	1	
1G	0	16366	486	-217	0	-480	824	154.4	234.6	21.9	0.0	389.0	1	
1H	0	16366	569	-217	0	-480	393	154.4	188.6	25.7	0.0	343.0	1	
1I	0	-16967	502	-110	0	187	1119	160.1	176.6	22.6	0.0	336.7	1	
1J	0	-16967	554	-110	0	187	97	160.1	67.7	25.0	0.0	227.7	1	
1K	0	-16967	502	-248	0	-788	1119	160.1	360.2	22.6	0.0	520.3	1	
1L	0	-16967	554	-248	0	-788	97	160.1	251.3	25.0	0.0	411.3	1	
1M	0	33039	502	-110	0	187	1119	311.7	176.6	22.6	0.0	488.3	1	
1N	0	33039	554	-110	0	187	97	311.7	67.7	25.0	0.0	379.4	1	
1O	0	33039	502	-248	0	-788	1119	311.7	360.2	22.6	0.0	671.9	1	
1P	0	33039	554	-248	0	-788	97	311.7	251.3	25.0	0.0	563.0	1	
2	0	10890	689	-228	0	-377	779	102.7	198.3	31.1	0.0	301.1	1	
7	0	11120	687	-230	0	-379	787	104.9	199.9	31.0	0.0	304.8	1	
8	0	10660	688	-229	0	-381	781	100.6	199.9	31.1	0.0	300.4	1	
1A	100	-294	-105	-141	0	36	1025	2.8	120.1	4.7	0.0	122.8	1	
1B	100	-294	-22	-141	0	36	656	2.8	80.8	2.6	0.0	83.6	1	
1C	100	-294	-105	-217	0	-278	1025	2.8	194.1	4.7	0.0	196.9	1	
1D	100	-294	-22	-217	0	-278	656	2.8	154.8	4.0	0.0	157.6	1	
1E	100	16366	-105	-141	0	36	1025	154.4	120.1	4.7	0.0	274.5	1	
1F	100	16366	-22	-141	0	36	656	154.4	80.8	2.6	0.0	235.2	1	
1G	100	16366	-105	-217	0	-278	1025	154.4	194.1	4.7	0.0	348.5	1	
1H	100	16366	-22	-217	0	-278	656	154.4	154.8	4.0	0.0	309.2	1	
1I	100	-16967	-90	-110	0	330	1336	160.1	243.4	4.0	0.0	403.5	1	
1J	100	-16967	-38	-110	0	330	345	160.1	137.8	2.0	0.0	297.9	1	
1K	100	-16967	-90	-248	0	-572	1336	160.1	317.4	4.6	0.0	477.5	1	
1L	100	-16967	-38	-248	0	-572	345	160.1	211.8	4.6	0.0	371.9	1	
1M	100	33039	-90	-110	0	330	1336	311.7	243.4	4.0	0.0	555.1	1	
1N	100	33039	-38	-110	0	330	345	311.7	137.8	2.0	0.0	449.5	1	
1O	100	33039	-90	-248	0	-572	1336	311.7	317.4	4.6	0.0	629.1	1	
1P	100	33039	-38	-248	0	-572	345	311.7	211.8	4.6	0.0	523.5	1	
2	100	10890	-80	-228	0	-149	1083	102.7	161.1	4.2	0.0	263.8	1	
7	100	11120	-81	-230	0	-149	1090	104.9	161.8	4.2	0.0	266.7	1	
8	100	10660	-80	-229	0	-152	1085	100.6	162.2	4.2	0.0	262.8	1	
1A	200	-294	-696	-141	0	191	634	2.8	126.1	31.4	0.0	128.9	1	
1B	200	-294	-613	-141	0	191	328	2.8	93.5	27.7	0.0	96.3	1	
1C	200	-294	-696	-217	0	-75	634	2.8	90.6	31.4	0.0	93.4	1	
1D	200	-294	-613	-217	0	-75	328	2.8	58.0	27.7	0.0	60.7	1	
1E	200	16366	-696	-141	0	191	634	154.4	126.1	31.4	0.0	280.5	1	
1F	200	16366	-613	-141	0	191	328	154.4	93.5	27.7	0.0	247.9	1	
1G	200	16366	-696	-217	0	-75	634	154.4	90.6	31.4	0.0	245.0	1	
1H	200	16366	-613	-217	0	-75	328	154.4	58.0	27.7	0.0	212.4	1	
1I	200	-16967	-681	-110	0	473	961	160.1	247.2	30.7	0.0	407.3	1	
1J	200	-16967	-629	-110	0	473	1	160.1	144.9	28.4	0.0	305.0	1	
1K	200	-16967	-681	-248	0	-357	961	160.1	211.7	30.7	0.0	371.7	1	
1L	200	-16967	-629	-248	0	-357	1	160.1	109.4	28.4	0.0	269.4	1	
1M	200	33039	-681	-110	0	473	961	311.7	247.2	30.7	0.0	558.9	1	
1N	200	33039	-629	-110	0	473	1	311.7	144.9	28.4	0.0	456.6	1	
1O	200	33039	-681	-248	0	-357	961	311.7	211.7	30.7	0.0	523.4	1	

1P	200	33039	-629	-248	0	-357	1	311.7	109.4	28.4	0.0	421.1	1
2	200	10890	-848	-228	0	79	619	102.7	90.0	38.3	0.0	192.8	1
7	200	11120	-850	-230	0	81	624	104.9	91.1	38.3	0.0	196.1	1
8	200	10660	-849	-229	0	77	620	100.6	89.6	38.3	0.0	190.2	1

ASTA NUM. 45 NI 892 NF 890 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	528	655	239	0	188	634	5.0	125.2	29.5	0.0	130.2	1	
1B	0	528	717	239	0	188	329	5.0	92.7	32.3	0.0	97.7	1	
1C	0	528	655	151	0	-76	634	5.0	90.7	29.5	0.0	95.7	1	
1D	0	528	717	151	0	-76	329	5.0	58.2	32.3	0.0	63.1	1	
1E	0	16038	655	239	0	188	634	151.3	125.2	29.5	0.0	276.5	1	
1F	0	16038	717	239	0	188	329	151.3	92.7	32.3	0.0	244.0	1	
1G	0	16038	655	151	0	-76	634	151.3	90.7	29.5	0.0	242.0	1	
1H	0	16038	717	151	0	-76	329	151.3	58.2	32.3	0.0	209.5	1	
1I	0	-16275	631	283	0	468	960	153.5	245.4	28.5	0.0	398.9	1	
1J	0	-16275	741	283	0	468	2	153.5	143.3	33.4	0.0	296.8	1	
1K	0	-16275	631	106	0	-355	960	153.5	210.9	28.5	0.0	364.4	1	
1L	0	-16275	741	106	0	-355	2	153.5	108.8	33.4	0.0	262.3	1	
1M	0	32841	631	283	0	468	960	309.8	245.4	28.5	0.0	555.2	1	
1N	0	32841	741	283	0	468	2	309.8	143.3	33.4	0.0	453.1	1	
1O	0	32841	631	106	0	-355	960	309.8	210.9	28.5	0.0	520.7	1	
1P	0	32841	741	106	0	-355	2	309.8	108.8	33.4	0.0	418.6	1	
2	0	11180	888	249	0	76	620	105.5	89.4	40.1	0.0	194.9	1	
7	0	11400	890	251	0	78	624	107.5	90.5	40.1	0.0	198.0	1	
8	0	10960	889	250	0	75	621	103.4	89.0	40.1	0.0	192.4	1	
1A	100	528	64	239	0	26	1054	5.0	120.2	4.4	0.0	125.2	1	
1B	100	528	126	239	0	26	690	5.0	81.5	5.7	0.0	86.4	1	
1C	100	528	64	151	0	-303	1054	5.0	204.8	2.9	0.0	209.8	1	
1D	100	528	126	151	0	-303	690	5.0	166.1	5.7	0.0	171.0	1	
1E	100	16038	64	239	0	26	1054	151.3	120.2	4.4	0.0	271.5	1	
1F	100	16038	126	239	0	26	690	151.3	81.5	5.7	0.0	232.8	1	
1G	100	16038	64	151	0	-303	1054	151.3	204.8	2.9	0.0	356.1	1	
1H	100	16038	126	151	0	-303	690	151.3	166.1	5.7	0.0	317.4	1	
1I	100	-16275	40	283	0	334	1404	153.5	251.6	5.2	0.0	405.2	1	
1J	100	-16275	150	283	0	334	340	153.5	138.2	6.7	0.0	291.8	1	
1K	100	-16275	40	106	0	-610	1404	153.5	336.2	2.0	0.0	489.8	1	
1L	100	-16275	150	106	0	-610	340	153.5	222.8	6.7	0.0	376.4	1	
1M	100	32841	40	283	0	334	1404	309.8	251.6	5.2	0.0	561.5	1	
1N	100	32841	150	283	0	334	340	309.8	138.2	6.7	0.0	448.0	1	
1O	100	32841	40	106	0	-610	1404	309.8	336.2	2.0	0.0	646.0	1	
1P	100	32841	150	106	0	-610	340	309.8	222.8	6.7	0.0	532.6	1	
2	100	11180	120	249	0	-173	1124	105.5	172.6	5.4	0.0	278.1	1	
7	100	11400	121	251	0	-173	1130	107.5	173.3	5.5	0.0	280.8	1	
8	100	10960	121	250	0	-175	1126	103.4	173.6	5.4	0.0	277.0	1	
1A	200	528	-528	239	0	-136	882	5.0	135.7	23.8	0.0	140.7	1	
1B	200	528	-465	239	0	-136	460	5.0	90.7	21.0	0.0	95.7	1	
1C	200	528	-528	151	0	-530	882	5.0	255.9	23.8	0.0	260.9	1	
1D	200	528	-465	151	0	-530	460	5.0	211.0	21.0	0.0	215.9	1	
1E	200	16038	-528	239	0	-136	882	151.3	135.7	23.8	0.0	287.0	1	
1F	200	16038	-465	239	0	-136	460	151.3	90.7	21.0	0.0	242.0	1	
1G	200	16038	-528	151	0	-530	882	151.3	255.9	23.8	0.0	407.2	1	
1H	200	16038	-465	151	0	-530	460	151.3	211.0	21.0	0.0	362.3	1	
1I	200	-16275	-551	283	0	200	1256	153.5	194.9	24.9	0.0	348.4	1	
1J	200	-16275	-442	283	0	200	86	153.5	70.1	19.9	0.0	223.7	1	
1K	200	-16275	-551	106	0	-866	1256	153.5	398.6	24.9	0.0	552.1	1	
1L	200	-16275	-442	106	0	-866	86	153.5	273.9	19.9	0.0	427.4	1	
1M	200	32841	-551	283	0	200	1256	309.8	194.9	24.9	0.0	504.7	1	
1N	200	32841	-442	283	0	200	86	309.8	70.1	19.9	0.0	380.0	1	
1O	200	32841	-551	106	0	-866	1256	309.8	398.6	24.9	0.0	708.4	1	
1P	200	32841	-442	106	0	-866	86	309.8	273.9	19.9	0.0	583.7	1	
2	200	11180	-649	249	0	-422	860	105.5	220.6	29.3	0.0	326.1	1	
7	200	11400	-647	251	0	-424	867	107.5	222.1	29.2	0.0	329.6	1	
8	200	10960	-648	250	0	-425	862	103.4	222.0	29.2	0.0	325.4	1	

ASTA NUM. 46 NI 890 NF 888 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	1891	406	-117	0	-135	885	17.8	135.7	18.3	0.0	153.5	1	
1B	0	1891	493	-117	0	-135	461	17.8	90.5	22.2	0.0	108.3	1	
1C	0	1891	406	-260	0	-531	885	17.8	256.9	18.3	0.0	274.7	1	
1D	0	1891	493	-260	0	-531	461	17.8	211.7	22.2	0.0	229.6	1	
1E	0	14883	406	-117	0	-135	885	140.4	135.7	18.3	0.0	276.1	1	
1F	0	14883	493	-117	0	-135	461	140.4	90.5	22.2	0.0	230.9	1	
1G	0	14883	406	-260	0	-531	885	140.4	256.9	18.3	0.0	397.3	1	
1H	0	14883	493	-260	0	-531	461	140.4	211.7	22.2	0.0	352.1	1	
1I	0	-11298	325	-58	0	207	1261	106.6	197.7	14.7	0.0	304.3	1	
1J	0	-11298	574	-58	0	207	85	106.6	72.4	25.9	0.0	179.0	1	
1K	0	-11298	325	-320	0	-874	1261	106.6	401.6	14.7	0.0	508.2	1	

1L	0	-11298	574	-320	0	-874	85	106.6	276.4	25.9	0.0	382.9	1
1M	0	28072	325	-58	0	207	1261	264.8	197.7	14.7	0.0	462.6	1
1N	0	28072	574	-58	0	207	85	264.8	72.4	25.9	0.0	337.3	1
1O	0	28072	325	-320	0	-874	1261	264.8	401.6	14.7	0.0	666.5	1
1P	0	28072	574	-320	0	-874	85	264.8	276.4	25.9	0.0	541.2	1
2	0	11330	587	-247	0	-422	863	106.9	221.2	26.5	0.0	328.1	1
7	0	11570	587	-249	0	-425	870	109.2	222.6	26.5	0.0	331.8	1
8	0	11110	586	-246	0	-426	866	104.8	222.5	26.4	0.0	327.3	1
1A	100	1891	-185	-117	0	24	1007	17.8	114.5	8.3	0.0	132.4	1
1B	100	1891	-99	-117	0	24	647	17.8	76.2	4.4	0.0	94.0	1
1C	100	1891	-185	-260	0	-313	1007	17.8	203.0	8.3	0.0	220.8	1
1D	100	1891	-99	-260	0	-313	647	17.8	164.6	4.8	0.0	182.5	1
1E	100	14883	-185	-117	0	24	1007	140.4	114.5	8.3	0.0	254.9	1
1F	100	14883	-99	-117	0	24	647	140.4	76.2	4.4	0.0	216.6	1
1G	100	14883	-185	-260	0	-313	1007	140.4	203.0	8.3	0.0	343.4	1
1H	100	14883	-99	-260	0	-313	647	140.4	164.6	4.8	0.0	305.0	1
1I	100	-11298	-266	-58	0	298	1294	106.6	229.1	12.0	0.0	335.7	1
1J	100	-11298	-17	-58	0	298	360	106.6	129.6	1.1	0.0	236.2	1
1K	100	-11298	-266	-320	0	-587	1294	106.6	317.6	12.0	0.0	424.1	1
1L	100	-11298	-17	-320	0	-587	360	106.6	218.0	5.9	0.0	324.6	1
1M	100	28072	-266	-58	0	298	1294	264.8	229.1	12.0	0.0	493.9	1
1N	100	28072	-17	-58	0	298	360	264.8	129.6	1.1	0.0	394.4	1
1O	100	28072	-266	-320	0	-587	1294	264.8	317.6	12.0	0.0	582.4	1
1P	100	28072	-17	-320	0	-587	360	264.8	218.0	5.9	0.0	482.9	1
2	100	11330	-181	-247	0	-175	1066	106.9	167.2	8.2	0.0	274.1	1
7	100	11570	-182	-249	0	-176	1073	109.2	168.1	8.2	0.0	277.3	1
8	100	11110	-182	-246	0	-180	1068	104.8	168.8	8.2	0.0	273.6	1
1A	200	1891	-776	-117	0	182	537	17.8	113.0	35.0	0.0	130.9	1
1B	200	1891	-690	-117	0	182	242	17.8	81.5	31.1	0.0	99.4	1
1C	200	1891	-776	-260	0	-94	537	17.8	86.1	35.0	0.0	103.9	1
1D	200	1891	-690	-260	0	-94	242	17.8	54.5	31.1	0.0	72.4	1
1E	200	14883	-776	-117	0	182	537	140.4	113.0	35.0	0.0	253.4	1
1F	200	14883	-690	-117	0	182	242	140.4	81.5	31.1	0.0	221.9	1
1G	200	14883	-776	-260	0	-94	537	140.4	86.1	35.0	0.0	226.5	1
1H	200	14883	-690	-260	0	-94	242	140.4	54.5	31.1	0.0	194.9	1
1I	200	-11298	-858	-58	0	389	736	106.6	197.5	38.7	0.0	304.0	1
1J	200	-11298	-608	-58	0	389	44	106.6	123.7	27.5	0.0	230.3	1
1K	200	-11298	-858	-320	0	-301	736	106.6	170.5	38.7	0.0	277.1	1
1L	200	-11298	-608	-320	0	-301	44	106.6	96.7	27.5	0.0	203.3	1
1M	200	28072	-858	-58	0	389	736	264.8	197.5	38.7	0.0	462.3	1
1N	200	28072	-608	-58	0	389	44	264.8	123.7	27.5	0.0	388.5	1
1O	200	28072	-858	-320	0	-301	736	264.8	170.5	38.7	0.0	435.3	1
1P	200	28072	-608	-320	0	-301	44	264.8	96.7	27.5	0.0	361.5	1
2	200	11330	-950	-247	0	72	500	106.9	75.3	42.9	0.0	182.2	1
7	200	11570	-950	-249	0	73	507	109.2	76.3	42.9	0.0	185.5	1
8	200	11110	-951	-246	0	66	501	104.8	73.6	42.9	0.0	178.4	1

ASTA NUM. 47 NI 888 NF 886 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3436	442	173	0	182	543	32.4	113.6	19.9	0.0	146.0	1	
1B	0	-3436	552	173	0	182	245	32.4	81.9	24.9	0.0	114.3	1	
1C	0	-3436	442	38	0	-106	543	32.4	90.4	19.9	0.0	122.8	1	
1D	0	-3436	552	38	0	-106	245	32.4	58.7	24.9	0.0	91.1	1	
1E	0	10698	442	173	0	182	543	100.9	113.6	19.9	0.0	214.5	1	
1F	0	10698	552	173	0	182	245	100.9	81.9	24.9	0.0	182.8	1	
1G	0	10698	442	38	0	-106	543	100.9	90.4	19.9	0.0	191.3	1	
1H	0	10698	552	38	0	-106	245	100.9	58.7	24.9	0.0	159.6	1	
1I	0	-16334	402	171	0	400	743	154.1	201.6	18.2	0.0	355.7	1	
1J	0	-16334	591	171	0	400	45	154.1	127.2	26.7	0.0	281.3	1	
1K	0	-16334	402	40	0	-324	743	154.1	178.4	18.2	0.0	332.5	1	
1L	0	-16334	591	40	0	-324	45	154.1	104.0	26.7	0.0	258.1	1	
1M	0	23596	402	171	0	400	743	222.6	201.6	18.2	0.0	424.2	1	
1N	0	23596	591	171	0	400	45	222.6	127.2	26.7	0.0	349.8	1	
1O	0	23596	402	40	0	-324	743	222.6	178.4	18.2	0.0	401.0	1	
1P	0	23596	591	40	0	-324	45	222.6	104.0	26.7	0.0	326.6	1	
2	0	5098	630	173	0	64	506	48.1	73.5	28.4	0.0	121.6	1	
7	0	5361	628	170	0	65	513	50.6	74.5	28.3	0.0	125.1	1	
8	0	4886	636	161	0	58	507	46.1	71.8	28.7	0.0	117.9	1	
1A	100	-3436	-150	173	0	82	730	32.4	102.9	6.7	0.0	135.3	1	
1B	100	-3436	-39	173	0	82	461	32.4	74.2	3.2	0.0	106.7	1	
1C	100	-3436	-150	38	0	-217	730	32.4	144.3	6.7	0.0	176.7	1	
1D	100	-3436	-39	38	0	-217	461	32.4	115.6	1.8	0.0	148.1	1	
1E	100	10698	-150	173	0	82	730	100.9	102.9	6.7	0.0	203.8	1	
1F	100	10698	-39	173	0	82	461	100.9	74.2	3.2	0.0	175.2	1	
1G	100	10698	-150	38	0	-217	730	100.9	144.3	6.7	0.0	245.2	1	
1H	100	10698	-39	38	0	-217	461	100.9	115.6	1.8	0.0	216.6	1	
1I	100	-16334	-189	171	0	261	915	154.1	177.3	8.5	0.0	331.4	1	
1J	100	-16334	-0	171	0	261	276	154.1	109.3	3.1	0.0	263.4	1	
1K	100	-16334	-189	40	0	-396	915	154.1	218.7	8.5	0.0	372.8	1	
1L	100	-16334	-0	40	0	-396	276	154.1	150.7	0.7	0.0	304.8	1	
1M	100	23596	-189	171	0	261	915	222.6	177.3	8.5	0.0	399.9	1	
1N	100	23596	-0	171	0	261	276	222.6	109.3	3.1	0.0	331.9	1	
1O	100	23596	-189	40	0	-396	915	222.6	218.7	8.5	0.0	441.3	1	
1P	100	23596	-0	40	0	-396	276	222.6	150.7	0.7	0.0	373.3	1	
2	100	5098	-138	173	0	-109	752	48.1	113.6	6.2	0.0	161.7	1	
7	100	5361	-140	170	0	-105	757	50.6	112.9	6.3	0.0	163.5	1	

8	100	4886	-132	161	0	-103	759	46.1	112.3	6.0	0.0	158.4	1
1A	200	-3436	-741	173	0	-18	325	32.4	40.1	33.4	0.0	81.3	3
1B	200	-3436	-631	173	0	-18	85	32.4	14.6	28.4	0.0	60.1	3
1C	200	-3436	-741	38	0	-328	325	32.4	135.1	33.4	0.0	167.5	1
1D	200	-3436	-631	38	0	-328	85	32.4	109.6	28.4	0.0	142.0	1
1E	200	10698	-741	173	0	-18	325	100.9	40.1	33.4	0.0	141.0	1
1F	200	10698	-631	173	0	-18	85	100.9	14.6	28.4	0.0	117.7	3
1G	200	10698	-741	38	0	-328	325	100.9	135.1	33.4	0.0	236.0	1
1H	200	10698	-631	38	0	-328	85	100.9	109.6	28.4	0.0	210.5	1
1I	200	-16334	-780	171	0	122	494	154.1	90.0	35.2	0.0	244.1	1
1J	200	-16334	-591	171	0	122	-84	154.1	46.3	26.7	0.0	200.4	1
1K	200	-16334	-780	40	0	-468	494	154.1	196.0	35.2	0.0	350.1	1
1L	200	-16334	-591	40	0	-468	-84	154.1	152.2	26.7	0.0	306.3	1
1M	200	23596	-780	171	0	122	494	222.6	90.0	35.2	0.0	312.6	1
1N	200	23596	-591	171	0	122	-84	222.6	46.3	26.7	0.0	268.9	1
1O	200	23596	-780	40	0	-468	494	222.6	196.0	35.2	0.0	418.6	1
1P	200	23596	-591	40	0	-468	-84	222.6	152.2	26.7	0.0	374.8	1
2	200	5098	-907	173	0	-283	229	48.1	111.0	40.9	0.0	159.0	1
7	200	5361	-909	170	0	-276	232	50.6	109.2	41.0	0.0	159.8	1
8	200	4886	-901	161	0	-264	242	46.1	106.5	40.6	0.0	152.6	1

ASTA NUM. 48 NI 886 NF 600 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5390	-807	-107	0	-17	333	50.8	40.6	36.4	0.0	99.2	3	
1B	0	-5390	-63	-107	0	-17	88	50.8	14.5	2.8	0.0	65.3	1	
1C	0	-5390	-807	-694	0	-341	333	50.8	139.8	36.4	0.0	190.7	1	
1D	0	-5390	-63	-694	0	-341	88	50.8	113.7	12.7	0.0	164.6	1	
1E	0	4592	-807	-107	0	-17	333	43.3	40.6	36.4	0.0	93.1	3	
1F	0	4592	-63	-107	0	-17	88	43.3	14.5	2.8	0.0	57.8	1	
1G	0	4592	-807	-694	0	-341	333	43.3	139.8	36.4	0.0	183.2	1	
1H	0	4592	-63	-694	0	-341	88	43.3	113.7	12.7	0.0	157.0	1	
1I	0	-12734	-1255	11	0	146	506	120.1	98.5	56.6	0.0	218.7	1	
1J	0	-12734	385	11	0	146	-86	120.1	53.8	17.4	0.0	173.9	1	
1K	0	-12734	-1255	-812	0	-504	506	120.1	208.1	56.6	0.0	328.3	1	
1L	0	-12734	385	-812	0	-504	-86	120.1	163.3	17.4	0.0	283.5	1	
1M	0	11936	-1255	11	0	146	506	112.6	98.5	56.6	0.0	211.2	1	
1N	0	11936	385	11	0	146	-86	112.6	53.8	17.4	0.0	166.4	1	
1O	0	11936	-1255	-812	0	-504	506	112.6	208.1	56.6	0.0	320.7	1	
1P	0	11936	385	-812	0	-504	-86	112.6	163.3	17.4	0.0	275.9	1	
2	0	287	-814	-853	0	-292	236	2.7	114.6	36.7	0.0	117.3	1	
7	0	485	-746	-808	0	-285	239	4.6	112.7	33.6	0.0	117.3	1	
8	0	-62	-742	-744	0	-273	249	0.6	110.0	33.5	0.0	110.5	1	
1A	100	-5390	-1399	-107	0	68	-783	50.8	104.0	63.1	0.0	157.4	3	
1B	100	-5390	-655	-107	0	68	-258	50.8	48.2	29.5	0.0	99.0	1	
1C	100	-5390	-1399	-694	0	375	-783	50.8	198.1	63.1	0.0	248.9	1	
1D	100	-5390	-655	-694	0	375	-258	50.8	142.2	29.5	0.0	193.0	1	
1E	100	4592	-1399	-107	0	68	-783	43.3	104.0	63.1	0.0	151.6	3	
1F	100	4592	-655	-107	0	68	-258	43.3	48.2	29.5	0.0	91.5	1	
1G	100	4592	-1399	-694	0	375	-783	43.3	198.1	63.1	0.0	241.4	1	
1H	100	4592	-655	-694	0	375	-258	43.3	142.2	29.5	0.0	185.5	1	
1I	100	-12734	-1847	11	0	78	-1055	120.1	136.2	83.3	0.0	256.3	1	
1J	100	-12734	-206	11	0	78	14	120.1	25.3	9.3	0.0	145.4	1	
1K	100	-12734	-1847	-812	0	365	-1055	120.1	223.9	83.3	0.0	344.1	1	
1L	100	-12734	-206	-812	0	365	14	120.1	113.0	14.9	0.0	233.2	1	
1M	100	11936	-1847	11	0	78	-1055	112.6	136.2	83.3	0.0	248.8	1	
1N	100	11936	-206	11	0	78	14	112.6	25.3	9.3	0.0	137.9	1	
1O	100	11936	-1847	-812	0	365	-1055	112.6	223.9	83.3	0.0	336.5	1	
1P	100	11936	-206	-812	0	365	14	112.6	113.0	14.9	0.0	225.6	1	
2	100	287	-1583	-853	0	560	-962	2.7	273.9	71.4	0.0	276.7	1	
7	100	485	-1514	-808	0	522	-891	4.6	254.8	68.3	0.0	259.4	1	
8	100	-62	-1510	-744	0	471	-877	0.6	237.6	68.1	0.0	238.2	1	
1A	200	-5390	-1990	-107	0	152	-2489	50.8	311.7	89.8	0.0	362.6	1	
1B	200	-5390	-1246	-107	0	152	-1195	50.8	173.8	56.2	0.0	224.7	1	
1C	200	-5390	-1990	-694	0	1091	-2489	50.8	599.0	89.8	0.0	649.8	1	
1D	200	-5390	-1246	-694	0	1091	-1195	50.8	461.1	56.2	0.0	512.0	1	
1E	200	4592	-1990	-107	0	152	-2489	43.3	311.7	89.8	0.0	355.0	1	
1F	200	4592	-1246	-107	0	152	-1195	43.3	173.8	56.2	0.0	217.2	1	
1G	200	4592	-1990	-694	0	1091	-2489	43.3	599.0	89.8	0.0	642.3	1	
1H	200	4592	-1246	-694	0	1091	-1195	43.3	461.1	56.2	0.0	504.4	1	
1I	200	-12734	-2438	11	0	10	-3206	120.1	344.6	110.0	0.0	464.8	1	
1J	200	-12734	-798	11	0	10	-478	120.1	53.8	36.0	0.0	174.0	1	
1K	200	-12734	-2438	-812	0	1233	-3206	120.1	719.0	110.0	0.0	839.1	1	
1L	200	-12734	-798	-812	0	1233	-478	120.1	428.2	36.0	0.0	548.3	1	
1M	200	11936	-2438	11	0	10	-3206	112.6	344.6	110.0	0.0	457.3	1	
1N	200	11936	-798	11	0	10	-478	112.6	53.8	36.0	0.0	166.5	1	
1O	200	11936	-2438	-812	0	1233	-3206	112.6	719.0	110.0	0.0	831.6	1	
1P	200	11936	-798	-812	0	1233	-478	112.6	428.2	36.0	0.0	540.8	1	
2	200	287	-2351	-853	0	1413	-2929	2.7	744.4	106.1	0.0	747.1	1	
7	200	485	-2283	-808	0	1330	-2790	4.6	704.2	103.0	0.0	708.7	1	
8	200	-62	-2279	-744	0	1215	-2772	0.6	667.1	102.8	0.0	667.7	1	

ASTA NUM. 49 NI 871 NF 875 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1667	585	56	0	105	108	15.7	43.8	26.4	0.0	59.5	1	
1B	0	-1667	821	56	0	105	-225	15.7	56.3	37.0	0.0	72.0	1	
1C	0	-1667	585	-149	0	-107	108	15.7	44.1	26.4	0.0	59.8	1	
1D	0	-1667	821	-149	0	-107	-225	15.7	56.6	37.0	0.0	72.3	1	
1E	0	4607	585	56	0	105	108	43.5	43.8	26.4	0.0	87.2	1	
1F	0	4607	821	56	0	105	-225	43.5	56.3	37.0	0.0	99.7	1	
1G	0	4607	585	-149	0	-107	108	43.5	44.1	26.4	0.0	87.6	1	
1H	0	4607	821	-149	0	-107	-225	43.5	56.6	37.0	0.0	100.0	1	
1I	0	-4744	568	119	0	41	3	44.8	12.9	25.6	0.0	63.4	4	
1J	0	-4744	838	119	0	41	-120	44.8	25.4	37.8	0.0	81.3	3	
1K	0	-4744	568	-212	0	-42	3	44.8	13.2	25.6	0.0	63.4	4	
1L	0	-4744	838	-212	0	-42	-120	44.8	25.7	37.8	0.0	81.5	3	
1M	0	7684	568	119	0	41	3	72.5	12.9	25.6	0.0	85.5	4	
1N	0	7684	838	119	0	41	-120	72.5	25.4	37.8	0.0	102.5	3	
1O	0	7684	568	-212	0	-42	3	72.5	13.2	25.6	0.0	85.7	1	
1P	0	7684	838	-212	0	-42	-120	72.5	25.7	37.8	0.0	102.6	3	
2	0	1332	935	-63	0	-3	-120	12.6	13.7	42.2	0.0	74.1	4	
7	0	1372	937	-63	0	-4	-123	12.9	14.2	42.3	0.0	74.3	4	
8	0	1547	928	-62	0	-2	-106	14.6	12.1	41.9	0.0	74.0	4	
1A	100	-1667	-6	56	0	45	391	15.7	55.4	1.0	0.0	71.1	1	
1B	100	-1667	230	56	0	45	307	15.7	46.5	10.4	0.0	62.3	1	
1C	100	-1667	-6	-149	0	47	391	15.7	56.0	2.7	0.0	71.7	1	
1D	100	-1667	230	-149	0	47	307	15.7	47.1	10.4	0.0	62.8	1	
1E	100	4607	-6	56	0	45	391	43.5	55.4	1.0	0.0	98.9	1	
1F	100	4607	230	56	0	45	307	43.5	46.5	10.4	0.0	90.0	1	
1G	100	4607	-6	-149	0	47	391	43.5	56.0	2.7	0.0	99.4	1	
1H	100	4607	230	-149	0	47	307	43.5	47.1	10.4	0.0	90.5	1	
1I	100	-4744	-23	119	0	-89	269	44.8	55.8	2.2	0.0	100.6	1	
1J	100	-4744	246	119	0	-89	429	44.8	72.9	11.1	0.0	117.6	1	
1K	100	-4744	-23	-212	0	181	269	44.8	84.0	3.9	0.0	128.7	1	
1L	100	-4744	246	-212	0	181	429	44.8	101.0	11.1	0.0	145.8	1	
1M	100	7684	-23	119	0	-89	269	72.5	55.8	2.2	0.0	128.3	1	
1N	100	7684	246	119	0	-89	429	72.5	72.9	11.1	0.0	145.4	1	
1O	100	7684	-23	-212	0	181	269	72.5	84.0	3.9	0.0	156.4	1	
1P	100	7684	246	-212	0	181	429	72.5	101.0	11.1	0.0	173.5	1	
2	100	1332	166	-63	0	60	431	12.6	64.3	7.5	0.0	76.8	1	
7	100	1372	168	-63	0	60	430	12.9	64.0	7.6	0.0	77.0	1	
8	100	1547	160	-62	0	60	438	14.6	64.9	7.2	0.0	79.5	1	
1A	200	-1667	-597	56	0	-15	82	15.7	13.4	26.9	0.0	49.3	4	
1B	200	-1667	-362	56	0	-15	248	15.7	31.1	16.3	0.0	46.9	1	
1C	200	-1667	-597	-149	0	200	82	15.7	70.0	26.9	0.0	85.7	1	
1D	200	-1667	-362	-149	0	200	248	15.7	87.7	16.3	0.0	103.5	1	
1E	200	4607	-597	56	0	-15	82	43.5	13.4	26.9	0.0	66.1	3	
1F	200	4607	-362	56	0	-15	248	43.5	31.1	16.3	0.0	74.6	1	
1G	200	4607	-597	-149	0	200	82	43.5	70.0	26.9	0.0	113.4	1	
1H	200	4607	-362	-149	0	200	248	43.5	87.7	16.3	0.0	131.2	1	
1I	200	-4744	-614	119	0	-219	-56	44.8	73.0	27.7	0.0	117.7	1	
1J	200	-4744	-345	119	0	-219	386	44.8	108.1	15.6	0.0	152.9	1	
1K	200	-4744	-614	-212	0	404	-56	44.8	129.6	27.7	0.0	174.3	1	
1L	200	-4744	-345	-212	0	404	386	44.8	164.7	15.6	0.0	209.5	1	
1M	200	7684	-614	119	0	-219	-56	72.5	73.0	27.7	0.0	145.5	1	
1N	200	7684	-345	119	0	-219	386	72.5	108.1	15.6	0.0	180.6	1	
1O	200	7684	-614	-212	0	404	-56	72.5	129.6	27.7	0.0	202.0	1	
1P	200	7684	-345	-212	0	404	386	72.5	164.7	15.6	0.0	237.2	1	
2	200	1332	-602	-63	0	123	213	12.6	60.3	27.2	0.0	72.8	1	
7	200	1372	-600	-63	0	123	213	12.9	60.4	27.1	0.0	73.3	1	
8	200	1547	-609	-62	0	122	213	14.6	60.0	27.5	0.0	74.6	1	

ASTA NUM. 50 NI 875 NF 879 Lungh. 200.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1713	371	137	0	196	245	16.2	86.1	16.7	0.0	102.2	1	
1B	0	-1713	594	137	0	196	85	16.2	69.1	26.8	0.0	85.2	1	
1C	0	-1713	371	-43	0	-12	245	16.2	29.7	16.7	0.0	46.6	3	
1D	0	-1713	594	-43	0	-12	85	16.2	12.7	26.8	0.0	49.2	4	
1E	0	4749	371	137	0	196	245	44.8	86.1	16.7	0.0	130.9	1	
1F	0	4749	594	137	0	196	85	44.8	69.1	26.8	0.0	113.9	1	
1G	0	4749	371	-43	0	-12	245	44.8	29.7	16.7	0.0	74.5	1	
1H	0	4749	594	-43	0	-12	85	44.8	12.7	26.8	0.0	67.2	3	
1I	0	-4817	356	205	0	403	385	45.4	164.2	16.1	0.0	209.6	1	
1J	0	-4817	609	205	0	403	-55	45.4	129.0	27.5	0.0	174.5	1	
1K	0	-4817	356	-111	0	-218	385	45.4	107.8	16.1	0.0	153.2	1	
1L	0	-4817	609	-111	0	-218	-55	45.4	72.7	27.5	0.0	118.1	1	
1M	0	7853	356	205	0	403	385	74.1	164.2	16.1	0.0	238.3	1	
1N	0	7853	609	205	0	403	-55	74.1	129.0	27.5	0.0	203.1	1	
1O	0	7853	356	-111	0	-218	385	74.1	107.8	16.1	0.0	181.9	1	
1P	0	7853	609	-111	0	-218	-55	74.1	72.7	27.5	0.0	146.7	1	
2	0	1354	609	62	0	122	213	12.8	60.1	27.5	0.0	72.9	1	
7	0	1393	608	63	0	123	213	13.1	60.2	27.4	0.0	73.4	1	
8	0	1581	615	62	0	121	213	14.9	59.8	27.7	0.0	74.7	1	
1A	100	-1713	-221	137	0	44	306	16.2	46.1	9.9	0.0	62.2	1	

1B	100	-1713	3	137	0	44	398	16.2	55.9	2.5	0.0	72.0	1
1C	100	-1713	-221	-43	0	46	306	16.2	46.7	9.9	0.0	62.8	1
1D	100	-1713	3	-43	0	46	398	16.2	56.4	0.8	0.0	72.6	1
1E	100	4749	-221	137	0	44	306	44.8	46.1	9.9	0.0	90.9	1
1F	100	4749	3	137	0	44	398	44.8	55.9	2.5	0.0	100.7	1
1G	100	4749	-221	-43	0	46	306	44.8	46.7	9.9	0.0	91.5	1
1H	100	4749	3	-43	0	46	398	44.8	56.4	0.8	0.0	101.2	1
1I	100	-4817	-235	205	0	176	426	45.4	99.2	10.6	0.0	144.6	1
1J	100	-4817	18	205	0	176	277	45.4	83.3	3.8	0.0	128.7	1
1K	100	-4817	-235	-111	0	-86	426	45.4	71.6	10.6	0.0	117.1	1
1L	100	-4817	18	-111	0	-86	277	45.4	55.8	2.0	0.0	101.2	1
1M	100	7853	-235	205	0	176	426	74.1	99.2	10.6	0.0	173.2	1
1N	100	7853	18	205	0	176	277	74.1	83.3	3.8	0.0	157.4	1
1O	100	7853	-235	-111	0	-86	426	74.1	71.6	10.6	0.0	145.7	1
1P	100	7853	18	-111	0	-86	277	74.1	55.8	2.0	0.0	129.8	1
2	100	1354	-159	62	0	60	437	12.8	65.0	7.2	0.0	77.8	1
7	100	1393	-161	63	0	60	437	13.1	64.8	7.3	0.0	78.0	1
8	100	1581	-154	62	0	59	444	14.9	65.5	6.9	0.0	80.4	1
1A	200	-1713	-812	137	0	-108	-224	16.2	56.9	36.6	0.0	73.1	1
1B	200	-1713	-588	137	0	-108	119	16.2	45.7	26.5	0.0	61.9	1
1C	200	-1713	-812	-43	0	104	-224	16.2	55.6	36.6	0.0	71.8	1
1D	200	-1713	-588	-43	0	104	119	16.2	44.4	26.5	0.0	60.6	1
1E	200	4749	-812	137	0	-108	-224	44.8	56.9	36.6	0.0	101.7	1
1F	200	4749	-588	137	0	-108	119	44.8	45.7	26.5	0.0	90.5	1
1G	200	4749	-812	-43	0	104	-224	44.8	55.6	36.6	0.0	100.4	1
1H	200	4749	-588	-43	0	104	119	44.8	44.4	26.5	0.0	89.2	1
1I	200	-4817	-826	205	0	-51	-124	45.4	28.9	37.3	0.0	81.7	3
1J	200	-4817	-574	205	0	-51	19	45.4	17.7	25.9	0.0	64.3	4
1K	200	-4817	-826	-111	0	47	-124	45.4	27.6	37.3	0.0	81.5	3
1L	200	-4817	-574	-111	0	47	19	45.4	16.4	25.9	0.0	64.3	4
1M	200	7853	-826	205	0	-51	-124	74.1	28.9	37.3	0.0	103.9	3
1N	200	7853	-574	205	0	-51	19	74.1	17.7	25.9	0.0	91.8	1
1O	200	7853	-826	-111	0	47	-124	74.1	27.6	37.3	0.0	103.7	3
1P	200	7853	-574	-111	0	47	19	74.1	16.4	25.9	0.0	90.5	1
2	200	1354	-928	62	0	-2	-106	12.8	12.0	41.9	0.0	73.6	4
7	200	1393	-930	63	0	-3	-109	13.1	12.5	41.9	0.0	73.8	4
8	200	1581	-922	62	0	-2	-94	14.9	10.8	41.6	0.0	73.6	4

ASTA NUM. 51 NI 879 NF 571 Lungh. 100.0 cm SEZ. 3 Ps HEB 240

categoria: p.p. y Permanente qy tot.
qy medio: 0.8321 5.0800 5.9121 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3798	-883	2065	0	106	121	35.8	45.2	39.8	0.0	102.3	3	
1B	0	-3798	890	2065	0	106	-223	35.8	56.1	40.2	0.0	107.3	3	
1C	0	-3798	-883	-1682	0	-106	121	35.8	45.4	39.8	0.0	95.0	3	
1D	0	-3798	890	-1682	0	-106	-223	35.8	56.2	40.2	0.0	100.3	3	
1E	0	3133	-883	2065	0	106	121	29.6	45.2	39.8	0.0	99.5	3	
1F	0	3133	890	2065	0	106	-223	29.6	56.1	40.2	0.0	104.1	3	
1G	0	3133	-883	-1682	0	-106	121	29.6	45.4	39.8	0.0	91.9	3	
1H	0	3133	890	-1682	0	-106	-223	29.6	56.2	40.2	0.0	96.9	3	
1I	0	-5976	-1077	2396	0	54	22	56.4	18.7	48.6	0.0	122.4	3	
1J	0	-5976	1084	2396	0	54	-123	56.4	29.6	48.9	0.0	127.4	3	
1K	0	-5976	-1077	-2013	0	-54	22	56.4	18.9	48.6	0.0	115.2	3	
1L	0	-5976	1084	-2013	0	-54	-123	56.4	29.7	48.9	0.0	120.6	3	
1M	0	5311	-1077	2396	0	54	22	50.1	18.7	48.6	0.0	119.5	3	
1N	0	5311	1084	2396	0	54	-123	50.1	29.6	48.9	0.0	124.2	3	
1O	0	5311	-1077	-2013	0	-54	22	50.1	18.9	48.6	0.0	112.1	3	
1P	0	5311	1084	-2013	0	-54	-123	50.1	29.7	48.9	0.0	117.1	3	
2	0	-897	-134	195	0	0	-104	8.5	11.2	6.0	0.0	21.2	3	
7	0	-847	-143	178	0	-1	-107	8.0	11.6	6.5	0.0	21.2	3	
8	0	-718	-89	223	0	-0	-92	6.8	9.9	4.1	0.0	17.9	3	
1A	50	-3798	-1179	2065	0	-964	445	35.8	342.2	53.2	0.0	378.1	1	
1B	50	-3798	595	2065	0	-964	-691	35.8	368.5	38.0	0.0	404.3	1	
1C	50	-3798	-1179	-1682	0	772	445	35.8	283.5	53.2	0.0	319.4	1	
1D	50	-3798	595	-1682	0	772	-691	35.8	309.8	30.9	0.0	345.6	1	
1E	50	3133	-1179	2065	0	-964	445	29.6	342.2	53.2	0.0	371.8	1	
1F	50	3133	595	2065	0	-964	-691	29.6	368.5	38.0	0.0	398.0	1	
1G	50	3133	-1179	-1682	0	772	445	29.6	283.5	53.2	0.0	313.1	1	
1H	50	3133	595	-1682	0	772	-691	29.6	309.8	30.9	0.0	339.3	1	
1I	50	-5976	-1372	2396	0	1039	459	56.4	366.8	61.9	0.0	423.1	1	
1J	50	-5976	788	2396	0	1039	-706	56.4	393.0	44.0	0.0	449.4	1	
1K	50	-5976	-1372	-2013	0	-1231	459	56.4	425.5	61.9	0.0	481.8	1	
1L	50	-5976	788	-2013	0	-1231	-706	56.4	451.7	37.0	0.0	508.1	1	
1M	50	5311	-1372	2396	0	1039	459	50.1	366.8	61.9	0.0	416.9	1	
1N	50	5311	788	2396	0	1039	-706	50.1	393.0	44.0	0.0	443.1	1	
1O	50	5311	-1372	-2013	0	-1231	459	50.1	425.5	61.9	0.0	475.6	1	
1P	50	5311	788	-2013	0	-1231	-706	50.1	451.7	37.0	0.0	501.8	1	
2	50	-897	-518	195	0	-98	-267	8.5	58.3	23.4	0.0	66.8	1	
7	50	-847	-527	178	0	-90	-275	8.0	56.8	23.8	0.0	64.8	1	
8	50	-718	-473	223	0	-112	-233	6.8	59.0	21.4	0.0	65.8	1	
1A	100	-3798	-1474	2065	0	-2033	621	35.8	688.1	66.5	0.0	723.9	1	
1B	100	-3798	299	2065	0	-2033	-1307	35.8	761.2	38.0	0.0	797.0	1	
1C	100	-3798	-1474	-1682	0	1650	621	35.8	570.9	66.5	0.0	606.7	1	
1D	100	-3798	299	-1682	0	1650	-1307	35.8	644.0	30.9	0.0	679.8	1	
1E	100	3133	-1474	2065	0	-2033	621	29.6	688.1	66.5	0.0	717.7	1	
1F	100	3133	299	2065	0	-2033	-1307	29.6	761.2	38.0	0.0	790.8	1	
1G	100	3133	-1474	-1682	0	1650	621	29.6	570.9	66.5	0.0	600.4	1	
1H	100	3133	299	-1682	0	1650	-1307	29.6	644.0	30.9	0.0	673.5	1	

1I	100	-5976	-1668	2396	0	2024	749	56.4	699.1	75.3	0.0	755.5	1
1J	100	-5976	493	2396	0	2024	-1435	56.4	772.2	44.0	0.0	828.6	1
1K	100	-5976	-1668	-2013	0	-2408	749	56.4	816.3	75.3	0.0	872.7	1
1L	100	-5976	493	-2013	0	-2408	-1435	56.4	889.4	37.0	0.0	945.8	1
1M	100	5311	-1668	2396	0	2024	749	50.1	699.1	75.3	0.0	749.2	1
1N	100	5311	493	2396	0	2024	-1435	50.1	772.2	44.0	0.0	822.3	1
1O	100	5311	-1668	-2013	0	-2408	749	50.1	816.3	75.3	0.0	866.4	1
1P	100	5311	493	-2013	0	-2408	-1435	50.1	889.4	37.0	0.0	939.5	1
2	100	-897	-902	195	0	-195	-622	8.5	126.1	40.7	0.0	134.5	1
7	100	-847	-912	178	0	-179	-634	8.0	122.4	41.1	0.0	130.4	1
8	100	-718	-858	223	0	-223	-566	6.8	128.6	38.7	0.0	135.4	1

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **4** Descrizione: **Arcarecci**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 798 NF 788 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-456	50	1	0	0	14								Tipo di acciaio non contemplato
1B	0	-456	100	1	0	0	-14								Tipo di acciaio non contemplato
1C	0	-456	50	-1	0	0	14								Tipo di acciaio non contemplato
1D	0	-456	100	-1	0	0	-14								Tipo di acciaio non contemplato
1E	0	90	50	1	0	0	14								Tipo di acciaio non contemplato
1F	0	90	100	1	0	0	-14								Tipo di acciaio non contemplato
1G	0	90	50	-1	0	0	14								Tipo di acciaio non contemplato
1H	0	90	100	-1	0	0	-14								Tipo di acciaio non contemplato
1I	0	-277	66	1	0	0	5								Tipo di acciaio non contemplato
1J	0	-277	84	1	0	0	-5								Tipo di acciaio non contemplato
1K	0	-277	66	-1	0	0	5								Tipo di acciaio non contemplato
1L	0	-277	84	-1	0	0	-5								Tipo di acciaio non contemplato
1M	0	-89	66	1	0	0	5								Tipo di acciaio non contemplato
1N	0	-89	84	1	0	0	-5								Tipo di acciaio non contemplato
1O	0	-89	66	-1	0	0	5								Tipo di acciaio non contemplato
1P	0	-89	84	-1	0	0	-5								Tipo di acciaio non contemplato
2	0	-907	506	-1	0	-1	-5								Tipo di acciaio non contemplato
7	0	-709	383	-1	0	0	-3								Tipo di acciaio non contemplato
8	0	-706	384	-1	0	0	-4								Tipo di acciaio non contemplato
1A	75	-456	-11	1	0	0	28								Tipo di acciaio non contemplato
1B	75	-456	39	1	0	0	39								Tipo di acciaio non contemplato
1C	75	-456	-11	-1	0	0	28								Tipo di acciaio non contemplato
1D	75	-456	39	-1	0	0	39								Tipo di acciaio non contemplato
1E	75	90	-11	1	0	0	28								Tipo di acciaio non contemplato
1F	75	90	39	1	0	0	39								Tipo di acciaio non contemplato
1G	75	90	-11	-1	0	0	28								Tipo di acciaio non contemplato
1H	75	90	39	-1	0	0	39								Tipo di acciaio non contemplato
1I	75	-277	5	1	0	0	32								Tipo di acciaio non contemplato
1J	75	-277	23	1	0	0	35								Tipo di acciaio non contemplato
1K	75	-277	5	-1	0	0	32								Tipo di acciaio non contemplato
1L	75	-277	23	-1	0	0	35								Tipo di acciaio non contemplato
1M	75	-89	5	1	0	0	32								Tipo di acciaio non contemplato
1N	75	-89	23	1	0	0	35								Tipo di acciaio non contemplato
1O	75	-89	5	-1	0	0	32								Tipo di acciaio non contemplato
1P	75	-89	23	-1	0	0	35								Tipo di acciaio non contemplato
2	75	-907	64	-1	0	0	208								Tipo di acciaio non contemplato
7	75	-709	49	-1	0	0	159								Tipo di acciaio non contemplato
8	75	-706	50	-1	0	0	159								Tipo di acciaio non contemplato
1A	150	-456	-73	1	0	0	-3								Tipo di acciaio non contemplato
1B	150	-456	-23	1	0	0	45								Tipo di acciaio non contemplato
1C	150	-456	-73	-1	0	0	-3								Tipo di acciaio non contemplato
1D	150	-456	-23	-1	0	0	45								Tipo di acciaio non contemplato
1E	150	90	-73	1	0	0	-3								Tipo di acciaio non contemplato
1F	150	90	-23	1	0	0	45								Tipo di acciaio non contemplato
1G	150	90	-73	-1	0	0	-3								Tipo di acciaio non contemplato
1H	150	90	-23	-1	0	0	45								Tipo di acciaio non contemplato
1I	150	-277	-57	1	0	0	12								Tipo di acciaio non contemplato
1J	150	-277	-39	1	0	0	29								Tipo di acciaio non contemplato
1K	150	-277	-57	-1	0	0	12								Tipo di acciaio non contemplato
1L	150	-277	-39	-1	0	0	29								Tipo di acciaio non contemplato
1M	150	-89	-57	1	0	0	12								Tipo di acciaio non contemplato
1N	150	-89	-39	1	0	0	29								Tipo di acciaio non contemplato
1O	150	-89	-57	-1	0	0	12								Tipo di acciaio non contemplato
1P	150	-89	-39	-1	0	0	29								Tipo di acciaio non contemplato
2	150	-907	-379	-1	0	0	90								Tipo di acciaio non contemplato
7	150	-709	-284	-1	0	0	71								Tipo di acciaio non contemplato
8	150	-706	-284	-1	0	0	71								Tipo di acciaio non contemplato

ASTA NUM. 2 NI 788 NF 778 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-574	15	9	0	7	45	Tipo di acciaio non contemplato
1B	0	-574	49	9	0	7	-4	Tipo di acciaio non contemplato
1C	0	-574	15	-10	0	-7	45	Tipo di acciaio non contemplato
1D	0	-574	49	-10	0	-7	-4	Tipo di acciaio non contemplato
1E	0	-262	15	9	0	7	45	Tipo di acciaio non contemplato
1F	0	-262	49	9	0	7	-4	Tipo di acciaio non contemplato
1G	0	-262	15	-10	0	-7	45	Tipo di acciaio non contemplato
1H	0	-262	49	-10	0	-7	-4	Tipo di acciaio non contemplato
1I	0	-490	25	26	0	19	29	Tipo di acciaio non contemplato
1J	0	-490	39	26	0	19	12	Tipo di acciaio non contemplato
1K	0	-490	25	-26	0	-20	29	Tipo di acciaio non contemplato
1L	0	-490	39	-26	0	-20	12	Tipo di acciaio non contemplato
1M	0	-345	25	26	0	19	29	Tipo di acciaio non contemplato
1N	0	-345	39	26	0	19	12	Tipo di acciaio non contemplato
1O	0	-345	25	-26	0	-20	29	Tipo di acciaio non contemplato
1P	0	-345	39	-26	0	-20	12	Tipo di acciaio non contemplato
2	0	-2040	307	-7	0	-5	90	Tipo di acciaio non contemplato
7	0	-1591	228	-8	0	-6	70	Tipo di acciaio non contemplato
8	0	-1591	228	-5	0	-3	71	Tipo di acciaio non contemplato
1A	75	-574	-46	9	0	0	33	Tipo di acciaio non contemplato
1B	75	-574	-12	9	0	0	10	Tipo di acciaio non contemplato
1C	75	-574	-46	-10	0	0	33	Tipo di acciaio non contemplato
1D	75	-574	-12	-10	0	0	10	Tipo di acciaio non contemplato
1E	75	-262	-46	9	0	0	33	Tipo di acciaio non contemplato
1F	75	-262	-12	9	0	0	10	Tipo di acciaio non contemplato
1G	75	-262	-46	-10	0	0	33	Tipo di acciaio non contemplato
1H	75	-262	-12	-10	0	0	10	Tipo di acciaio non contemplato
1I	75	-490	-36	26	0	0	25	Tipo di acciaio non contemplato
1J	75	-490	-23	26	0	0	18	Tipo di acciaio non contemplato
1K	75	-490	-36	-26	0	0	25	Tipo di acciaio non contemplato
1L	75	-490	-23	-26	0	0	18	Tipo di acciaio non contemplato
1M	75	-345	-36	26	0	0	25	Tipo di acciaio non contemplato
1N	75	-345	-23	26	0	0	18	Tipo di acciaio non contemplato
1O	75	-345	-36	-26	0	0	25	Tipo di acciaio non contemplato
1P	75	-345	-23	-26	0	0	18	Tipo di acciaio non contemplato
2	75	-2040	-135	-7	0	0	154	Tipo di acciaio non contemplato
7	75	-1591	-106	-8	0	0	116	Tipo di acciaio non contemplato
8	75	-1591	-106	-5	0	0	116	Tipo di acciaio non contemplato
1A	150	-574	-108	9	0	-7	-25	Tipo di acciaio non contemplato
1B	150	-574	-74	9	0	-7	-21	Tipo di acciaio non contemplato
1C	150	-574	-108	-10	0	7	-25	Tipo di acciaio non contemplato
1D	150	-574	-74	-10	0	7	-21	Tipo di acciaio non contemplato
1E	150	-262	-108	9	0	-7	-25	Tipo di acciaio non contemplato
1F	150	-262	-74	9	0	-7	-21	Tipo di acciaio non contemplato
1G	150	-262	-108	-10	0	7	-25	Tipo di acciaio non contemplato
1H	150	-262	-74	-10	0	7	-21	Tipo di acciaio non contemplato
1I	150	-490	-98	26	0	-19	-26	Tipo di acciaio non contemplato
1J	150	-490	-84	26	0	-19	-21	Tipo di acciaio non contemplato
1K	150	-490	-98	-26	0	20	-26	Tipo di acciaio non contemplato
1L	150	-490	-84	-26	0	20	-21	Tipo di acciaio non contemplato
1M	150	-345	-98	26	0	-19	-26	Tipo di acciaio non contemplato
1N	150	-345	-84	26	0	-19	-21	Tipo di acciaio non contemplato
1O	150	-345	-98	-26	0	20	-26	Tipo di acciaio non contemplato
1P	150	-345	-84	-26	0	20	-21	Tipo di acciaio non contemplato
2	150	-2040	-578	-7	0	5	-114	Tipo di acciaio non contemplato
7	150	-1591	-440	-8	0	6	-88	Tipo di acciaio non contemplato
8	150	-1591	-440	-5	0	3	-89	Tipo di acciaio non contemplato

ASTA NUM. 3 NI 778 NF 768 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-691	73	11	0	8	-20								Tipo di acciaio non contemplato
1B	0	-691	113	11	0	8	-27								Tipo di acciaio non contemplato
1C	0	-691	73	-10	0	-8	-20								Tipo di acciaio non contemplato
1D	0	-691	113	-10	0	-8	-27								Tipo di acciaio non contemplato
1E	0	-149	73	11	0	8	-20								Tipo di acciaio non contemplato
1F	0	-149	113	11	0	8	-27								Tipo di acciaio non contemplato
1G	0	-149	73	-10	0	-8	-20								Tipo di acciaio non contemplato
1H	0	-149	113	-10	0	-8	-27								Tipo di acciaio non contemplato
1I	0	-524	84	28	0	21	-20								Tipo di acciaio non contemplato
1J	0	-524	102	28	0	21	-27								Tipo di acciaio non contemplato
1K	0	-524	84	-27	0	-21	-20								Tipo di acciaio non contemplato
1L	0	-524	102	-27	0	-21	-27								Tipo di acciaio non contemplato
1M	0	-316	84	28	0	21	-20								Tipo di acciaio non contemplato
1N	0	-316	102	28	0	21	-27								Tipo di acciaio non contemplato
1O	0	-316	84	-27	0	-21	-20								Tipo di acciaio non contemplato
1P	0	-316	102	-27	0	-21	-27								Tipo di acciaio non contemplato
2	0	-2056	595	-5	0	-4	-114								Tipo di acciaio non contemplato
7	0	-1603	453	-5	0	-4	-89								Tipo di acciaio non contemplato
8	0	-1603	453	-3	0	-2	-89								Tipo di acciaio non contemplato
1A	75	-691	12	11	0	0	12								Tipo di acciaio non contemplato
1B	75	-691	52	11	0	0	35								Tipo di acciaio non contemplato
1C	75	-691	12	-10	0	0	12								Tipo di acciaio non contemplato
1D	75	-691	52	-10	0	0	35								Tipo di acciaio non contemplato
1E	75	-149	12	11	0	0	12								Tipo di acciaio non contemplato
1F	75	-149	52	11	0	0	35								Tipo di acciaio non contemplato

1G	75	-149	12	-10	0	0	12							Tipo di acciaio non contemplato
1H	75	-149	52	-10	0	0	35							Tipo di acciaio non contemplato
1I	75	-524	23	28	0	0	20							Tipo di acciaio non contemplato
1J	75	-524	41	28	0	0	27							Tipo di acciaio non contemplato
1K	75	-524	23	-27	0	0	20							Tipo di acciaio non contemplato
1L	75	-524	41	-27	0	0	27							Tipo di acciaio non contemplato
1M	75	-316	23	28	0	0	20							Tipo di acciaio non contemplato
1N	75	-316	41	28	0	0	27							Tipo di acciaio non contemplato
1O	75	-316	23	-27	0	0	20							Tipo di acciaio non contemplato
1P	75	-316	41	-27	0	0	27							Tipo di acciaio non contemplato
2	75	-2056	152	-5	0	0	166							Tipo di acciaio non contemplato
7	75	-1603	119	-5	0	0	126							Tipo di acciaio non contemplato
8	75	-1603	119	-3	0	0	125							Tipo di acciaio non contemplato
1A	150	-691	-50	11	0	-8	-3							Tipo di acciaio non contemplato
1B	150	-691	-10	11	0	-8	51							Tipo di acciaio non contemplato
1C	150	-691	-50	-10	0	8	-3							Tipo di acciaio non contemplato
1D	150	-691	-10	-10	0	8	51							Tipo di acciaio non contemplato
1E	150	-149	-50	11	0	-8	-3							Tipo di acciaio non contemplato
1F	150	-149	-10	11	0	-8	51							Tipo di acciaio non contemplato
1G	150	-149	-50	-10	0	8	-3							Tipo di acciaio non contemplato
1H	150	-149	-10	-10	0	8	51							Tipo di acciaio non contemplato
1I	150	-524	-39	28	0	-21	13							Tipo di acciaio non contemplato
1J	150	-524	-21	28	0	-21	35							Tipo di acciaio non contemplato
1K	150	-524	-39	-27	0	21	13							Tipo di acciaio non contemplato
1L	150	-524	-21	-27	0	21	35							Tipo di acciaio non contemplato
1M	150	-316	-39	28	0	-21	13							Tipo di acciaio non contemplato
1N	150	-316	-21	28	0	-21	35							Tipo di acciaio non contemplato
1O	150	-316	-39	-27	0	21	13							Tipo di acciaio non contemplato
1P	150	-316	-21	-27	0	21	35							Tipo di acciaio non contemplato
2	150	-2056	-290	-5	0	4	114							Tipo di acciaio non contemplato
7	150	-1603	-215	-5	0	4	89							Tipo di acciaio non contemplato
8	150	-1603	-215	-3	0	2	90							Tipo di acciaio non contemplato

ASTA NUM. 4 NI 768 NF 753 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-264	27	1	0	0	50								Tipo di acciaio non contemplato
1B	0	-264	62	1	0	0	-1								Tipo di acciaio non contemplato
1C	0	-264	27	-1	0	0	50								Tipo di acciaio non contemplato
1D	0	-264	62	-1	0	0	-1								Tipo di acciaio non contemplato
1E	0	-38	27	1	0	0	50								Tipo di acciaio non contemplato
1F	0	-38	62	1	0	0	-1								Tipo di acciaio non contemplato
1G	0	-38	27	-1	0	0	50								Tipo di acciaio non contemplato
1H	0	-38	62	-1	0	0	-1								Tipo di acciaio non contemplato
1I	0	-193	37	1	0	0	34								Tipo di acciaio non contemplato
1J	0	-193	51	1	0	0	15								Tipo di acciaio non contemplato
1K	0	-193	37	-1	0	0	34								Tipo di acciaio non contemplato
1L	0	-193	51	-1	0	0	15								Tipo di acciaio non contemplato
1M	0	-109	37	1	0	0	34								Tipo di acciaio non contemplato
1N	0	-109	51	1	0	0	15								Tipo di acciaio non contemplato
1O	0	-109	37	-1	0	0	34								Tipo di acciaio non contemplato
1P	0	-109	51	-1	0	0	15								Tipo di acciaio non contemplato
2	0	-828	360	0	0	0	116								Tipo di acciaio non contemplato
7	0	-638	270	0	0	0	90								Tipo di acciaio non contemplato
8	0	-639	270	0	0	0	91								Tipo di acciaio non contemplato
1A	75	-264	-35	1	0	0	47								Tipo di acciaio non contemplato
1B	75	-264	0	1	0	0	22								Tipo di acciaio non contemplato
1C	75	-264	-35	-1	0	0	47								Tipo di acciaio non contemplato
1D	75	-264	0	-1	0	0	22								Tipo di acciaio non contemplato
1E	75	-38	-35	1	0	0	47								Tipo di acciaio non contemplato
1F	75	-38	0	1	0	0	22								Tipo di acciaio non contemplato
1G	75	-38	-35	-1	0	0	47								Tipo di acciaio non contemplato
1H	75	-38	0	-1	0	0	22								Tipo di acciaio non contemplato
1I	75	-193	-24	1	0	0	39								Tipo di acciaio non contemplato
1J	75	-193	-10	1	0	0	30								Tipo di acciaio non contemplato
1K	75	-193	-24	-1	0	0	39								Tipo di acciaio non contemplato
1L	75	-193	-10	-1	0	0	30								Tipo di acciaio non contemplato
1M	75	-109	-24	1	0	0	39								Tipo di acciaio non contemplato
1N	75	-109	-10	1	0	0	30								Tipo di acciaio non contemplato
1O	75	-109	-24	-1	0	0	39								Tipo di acciaio non contemplato
1P	75	-109	-10	-1	0	0	30								Tipo di acciaio non contemplato
2	75	-828	-82	0	0	0	220								Tipo di acciaio non contemplato
7	75	-638	-64	0	0	0	168								Tipo di acciaio non contemplato
8	75	-639	-64	0	0	0	168								Tipo di acciaio non contemplato
1A	150	-264	-96	1	0	0	-2								Tipo di acciaio non contemplato
1B	150	-264	-61	1	0	0	0								Tipo di acciaio non contemplato
1C	150	-264	-96	-1	0	0	-2								Tipo di acciaio non contemplato
1D	150	-264	-61	-1	0	0	0								Tipo di acciaio non contemplato
1E	150	-38	-96	1	0	0	-2								Tipo di acciaio non contemplato
1F	150	-38	-61	1	0	0	0								Tipo di acciaio non contemplato
1G	150	-38	-96	-1	0	0	-2								Tipo di acciaio non contemplato
1H	150	-38	-61	-1	0	0	0								Tipo di acciaio non contemplato
1I	150	-193	-86	1	0	0	-2								Tipo di acciaio non contemplato
1J	150	-193	-72	1	0	0	0								Tipo di acciaio non contemplato
1K	150	-193	-86	-1	0	0	-2								Tipo di acciaio non contemplato
1L	150	-193	-72	-1	0	0	0								Tipo di acciaio non contemplato
1M	150	-109	-86	1	0	0	-2								Tipo di acciaio non contemplato

1N	150	-109	-72	1	0	0	0						Tipo di acciaio non contemplato
1O	150	-109	-86	-1	0	0	-2						Tipo di acciaio non contemplato
1P	150	-109	-72	-1	0	0	0						Tipo di acciaio non contemplato
2	150	-828	-525	0	0	0	-8						Tipo di acciaio non contemplato
7	150	-638	-398	0	0	0	-6						Tipo di acciaio non contemplato
8	150	-639	-398	0	0	0	-6						Tipo di acciaio non contemplato

ASTA NUM. 5 NI 804 NF 794 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-141	58	5	0	4	-8								Tipo di acciaio non contemplato
1B	0	-141	79	5	0	4	-14								Tipo di acciaio non contemplato
1C	0	-141	58	-7	0	-5	-8								Tipo di acciaio non contemplato
1D	0	-141	79	-7	0	-5	-14								Tipo di acciaio non contemplato
1E	0	117	58	5	0	4	-8								Tipo di acciaio non contemplato
1F	0	117	79	5	0	4	-14								Tipo di acciaio non contemplato
1G	0	117	58	-7	0	-5	-8								Tipo di acciaio non contemplato
1H	0	117	79	-7	0	-5	-14								Tipo di acciaio non contemplato
1I	0	-57	64	15	0	11	-10								Tipo di acciaio non contemplato
1J	0	-57	73	15	0	11	-13								Tipo di acciaio non contemplato
1K	0	-57	64	-16	0	-12	-10								Tipo di acciaio non contemplato
1L	0	-57	73	-16	0	-12	-13								Tipo di acciaio non contemplato
1M	0	32	64	15	0	11	-10								Tipo di acciaio non contemplato
1N	0	32	73	15	0	11	-13								Tipo di acciaio non contemplato
1O	0	32	64	-16	0	-12	-10								Tipo di acciaio non contemplato
1P	0	32	73	-16	0	-12	-13								Tipo di acciaio non contemplato
2	0	-55	473	-9	0	-6	-56								Tipo di acciaio non contemplato
7	0	-43	358	-8	0	-6	-44								Tipo di acciaio non contemplato
8	0	-43	358	-6	0	-4	-44								Tipo di acciaio non contemplato
1A	75	-141	-3	5	0	0	12								Tipo di acciaio non contemplato
1B	75	-141	17	5	0	0	22								Tipo di acciaio non contemplato
1C	75	-141	-3	-7	0	0	12								Tipo di acciaio non contemplato
1D	75	-141	17	-7	0	0	22								Tipo di acciaio non contemplato
1E	75	117	-3	5	0	0	12								Tipo di acciaio non contemplato
1F	75	117	17	5	0	0	22								Tipo di acciaio non contemplato
1G	75	117	-3	-7	0	0	12								Tipo di acciaio non contemplato
1H	75	117	17	-7	0	0	22								Tipo di acciaio non contemplato
1I	75	-57	2	15	0	0	15								Tipo di acciaio non contemplato
1J	75	-57	12	15	0	0	19								Tipo di acciaio non contemplato
1K	75	-57	2	-16	0	0	15								Tipo di acciaio non contemplato
1L	75	-57	12	-16	0	0	19								Tipo di acciaio non contemplato
1M	75	32	2	15	0	0	15								Tipo di acciaio non contemplato
1N	75	32	12	15	0	0	19								Tipo di acciaio non contemplato
1O	75	32	2	-16	0	0	15								Tipo di acciaio non contemplato
1P	75	32	12	-16	0	0	19								Tipo di acciaio non contemplato
2	75	-55	30	-9	0	0	133								Tipo di acciaio non contemplato
7	75	-43	24	-8	0	0	100								Tipo di acciaio non contemplato
8	75	-43	24	-6	0	0	100								Tipo di acciaio non contemplato
1A	150	-141	-65	5	0	-4	-13								Tipo di acciaio non contemplato
1B	150	-141	-44	5	0	-4	12								Tipo di acciaio non contemplato
1C	150	-141	-65	-7	0	5	-13								Tipo di acciaio non contemplato
1D	150	-141	-44	-7	0	5	12								Tipo di acciaio non contemplato
1E	150	117	-65	5	0	-4	-13								Tipo di acciaio non contemplato
1F	150	117	-44	5	0	-4	12								Tipo di acciaio non contemplato
1G	150	117	-65	-7	0	5	-13								Tipo di acciaio non contemplato
1H	150	117	-44	-7	0	5	12								Tipo di acciaio non contemplato
1I	150	-57	-59	15	0	-11	-7								Tipo di acciaio non contemplato
1J	150	-57	-50	15	0	-11	5								Tipo di acciaio non contemplato
1K	150	-57	-59	-16	0	12	-7								Tipo di acciaio non contemplato
1L	150	-57	-50	-16	0	12	5								Tipo di acciaio non contemplato
1M	150	32	-59	15	0	-11	-7								Tipo di acciaio non contemplato
1N	150	32	-50	15	0	-11	5								Tipo di acciaio non contemplato
1O	150	32	-59	-16	0	12	-7								Tipo di acciaio non contemplato
1P	150	32	-50	-16	0	12	5								Tipo di acciaio non contemplato
2	150	-55	-412	-9	0	7	-10								Tipo di acciaio non contemplato
7	150	-43	-310	-8	0	6	-7								Tipo di acciaio non contemplato
8	150	-43	-310	-6	0	5	-8								Tipo di acciaio non contemplato

ASTA NUM. 6 NI 794 NF 784 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-88	52	1	0	0	11								Tipo di acciaio non contemplato
1B	0	-88	99	1	0	0	-14								Tipo di acciaio non contemplato
1C	0	-88	52	-1	0	-1	11								Tipo di acciaio non contemplato
1D	0	-88	99	-1	0	-1	-14								Tipo di acciaio non contemplato
1E	0	65	52	1	0	0	11								Tipo di acciaio non contemplato
1F	0	65	99	1	0	0	-14								Tipo di acciaio non contemplato
1G	0	65	52	-1	0	-1	11								Tipo di acciaio non contemplato
1H	0	65	99	-1	0	-1	-14								Tipo di acciaio non contemplato
1I	0	-43	65	1	0	0	5								Tipo di acciaio non contemplato

1J	0	-43	86	1	0	0	-8							Tipo di acciaio non contemplato
1K	0	-43	65	-1	0	-1	5							Tipo di acciaio non contemplato
1L	0	-43	86	-1	0	-1	-8							Tipo di acciaio non contemplato
1M	0	21	65	1	0	0	5							Tipo di acciaio non contemplato
1N	0	21	86	1	0	0	-8							Tipo di acciaio non contemplato
1O	0	21	65	-1	0	-1	5							Tipo di acciaio non contemplato
1P	0	21	86	-1	0	-1	-8							Tipo di acciaio non contemplato
2	0	-33	508	-1	0	-2	-14							Tipo di acciaio non contemplato
7	0	-29	385	-1	0	-1	-10							Tipo di acciaio non contemplato
8	0	-27	385	-1	0	-1	-11							Tipo di acciaio non contemplato
1A	75	-88	-9	1	0	0	27							Tipo di acciaio non contemplato
1B	75	-88	37	1	0	0	37							Tipo di acciaio non contemplato
1C	75	-88	-9	-1	0	0	27							Tipo di acciaio non contemplato
1D	75	-88	37	-1	0	0	37							Tipo di acciaio non contemplato
1E	75	65	-9	1	0	0	27							Tipo di acciaio non contemplato
1F	75	65	37	1	0	0	37							Tipo di acciaio non contemplato
1G	75	65	-9	-1	0	0	27							Tipo di acciaio non contemplato
1H	75	65	37	-1	0	0	37							Tipo di acciaio non contemplato
1I	75	-43	3	1	0	0	30							Tipo di acciaio non contemplato
1J	75	-43	25	1	0	0	34							Tipo di acciaio non contemplato
1K	75	-43	3	-1	0	0	30							Tipo di acciaio non contemplato
1L	75	-43	25	-1	0	0	34							Tipo di acciaio non contemplato
1M	75	21	3	1	0	0	30							Tipo di acciaio non contemplato
1N	75	21	25	1	0	0	34							Tipo di acciaio non contemplato
1O	75	21	3	-1	0	0	30							Tipo di acciaio non contemplato
1P	75	21	25	-1	0	0	34							Tipo di acciaio non contemplato
2	75	-33	66	-1	0	0	201							Tipo di acciaio non contemplato
7	75	-29	51	-1	0	0	153							Tipo di acciaio non contemplato
8	75	-27	52	-1	0	0	153							Tipo di acciaio non contemplato
1A	150	-88	-71	1	0	0	-3							Tipo di acciaio non contemplato
1B	150	-88	-24	1	0	0	41							Tipo di acciaio non contemplato
1C	150	-88	-71	-1	0	0	-3							Tipo di acciaio non contemplato
1D	150	-88	-24	-1	0	0	41							Tipo di acciaio non contemplato
1E	150	65	-71	1	0	0	-3							Tipo di acciaio non contemplato
1F	150	65	-24	1	0	0	41							Tipo di acciaio non contemplato
1G	150	65	-71	-1	0	0	-3							Tipo di acciaio non contemplato
1H	150	65	-24	-1	0	0	41							Tipo di acciaio non contemplato
1I	150	-43	-58	1	0	0	9							Tipo di acciaio non contemplato
1J	150	-43	-37	1	0	0	29							Tipo di acciaio non contemplato
1K	150	-43	-58	-1	0	0	9							Tipo di acciaio non contemplato
1L	150	-43	-37	-1	0	0	29							Tipo di acciaio non contemplato
1M	150	21	-58	1	0	0	9							Tipo di acciaio non contemplato
1N	150	21	-37	1	0	0	29							Tipo di acciaio non contemplato
1O	150	21	-58	-1	0	0	9							Tipo di acciaio non contemplato
1P	150	21	-37	-1	0	0	29							Tipo di acciaio non contemplato
2	150	-33	-377	-1	0	0	84							Tipo di acciaio non contemplato
7	150	-29	-283	-1	0	0	66							Tipo di acciaio non contemplato
8	150	-27	-282	-1	0	0	67							Tipo di acciaio non contemplato

ASTA NUM. 7 NI 784 NF 774 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-142	18	9	0	7	41								Tipo di acciaio non contemplato
1B	0	-142	50	9	0	7	-3								Tipo di acciaio non contemplato
1C	0	-142	18	-10	0	-7	41								Tipo di acciaio non contemplato
1D	0	-142	50	-10	0	-7	-3								Tipo di acciaio non contemplato
1E	0	-3	18	9	0	7	41								Tipo di acciaio non contemplato
1F	0	-3	50	9	0	7	-3								Tipo di acciaio non contemplato
1G	0	-3	18	-10	0	-7	41								Tipo di acciaio non contemplato
1H	0	-3	50	-10	0	-7	-3								Tipo di acciaio non contemplato
1I	0	-109	24	26	0	19	29								Tipo di acciaio non contemplato
1J	0	-109	43	26	0	19	9								Tipo di acciaio non contemplato
1K	0	-109	24	-26	0	-20	29								Tipo di acciaio non contemplato
1L	0	-109	43	-26	0	-20	9								Tipo di acciaio non contemplato
1M	0	-36	24	26	0	19	29								Tipo di acciaio non contemplato
1N	0	-36	43	26	0	19	9								Tipo di acciaio non contemplato
1O	0	-36	24	-26	0	-20	29								Tipo di acciaio non contemplato
1P	0	-36	43	-26	0	-20	9								Tipo di acciaio non contemplato
2	0	-278	313	-8	0	-6	84								Tipo di acciaio non contemplato
7	0	-224	233	-8	0	-6	66								Tipo di acciaio non contemplato
8	0	-222	232	-5	0	-4	66								Tipo di acciaio non contemplato
1A	75	-142	-43	9	0	0	31								Tipo di acciaio non contemplato
1B	75	-142	-12	9	0	0	12								Tipo di acciaio non contemplato
1C	75	-142	-43	-10	0	0	31								Tipo di acciaio non contemplato
1D	75	-142	-12	-10	0	0	12								Tipo di acciaio non contemplato
1E	75	-3	-43	9	0	0	31								Tipo di acciaio non contemplato
1F	75	-3	-12	9	0	0	12								Tipo di acciaio non contemplato
1G	75	-3	-43	-10	0	0	31								Tipo di acciaio non contemplato
1H	75	-3	-12	-10	0	0	12								Tipo di acciaio non contemplato
1I	75	-109	-37	26	0	0	24								Tipo di acciaio non contemplato
1J	75	-109	-18	26	0	0	19								Tipo di acciaio non contemplato
1K	75	-109	-37	-26	0	0	24								Tipo di acciaio non contemplato
1L	75	-109	-18	-26	0	0	19								Tipo di acciaio non contemplato
1M	75	-36	-37	26	0	0	24								Tipo di acciaio non contemplato
1N	75	-36	-18	26	0	0	19								Tipo di acciaio non contemplato
1O	75	-36	-37	-26	0	0	24								Tipo di acciaio non contemplato
1P	75	-36	-18	-26	0	0	19								Tipo di acciaio non contemplato

2	75	-278	-129	-8	0	0	153							Tipo di acciaio non contemplato
7	75	-224	-101	-8	0	0	115							Tipo di acciaio non contemplato
8	75	-222	-102	-5	0	0	115							Tipo di acciaio non contemplato
1A	150	-142	-105	9	0	-7	-25							Tipo di acciaio non contemplato
1B	150	-142	-73	9	0	-7	-20							Tipo di acciaio non contemplato
1C	150	-142	-105	-10	0	7	-25							Tipo di acciaio non contemplato
1D	150	-142	-73	-10	0	7	-20							Tipo di acciaio non contemplato
1E	150	-3	-105	9	0	-7	-25							Tipo di acciaio non contemplato
1F	150	-3	-73	9	0	-7	-20							Tipo di acciaio non contemplato
1G	150	-3	-105	-10	0	7	-25							Tipo di acciaio non contemplato
1H	150	-3	-73	-10	0	7	-20							Tipo di acciaio non contemplato
1I	150	-109	-99	26	0	-19	-27							Tipo di acciaio non contemplato
1J	150	-109	-80	26	0	-19	-17							Tipo di acciaio non contemplato
1K	150	-109	-99	-26	0	20	-27							Tipo di acciaio non contemplato
1L	150	-109	-80	-26	0	20	-17							Tipo di acciaio non contemplato
1M	150	-36	-99	26	0	-19	-27							Tipo di acciaio non contemplato
1N	150	-36	-80	26	0	-19	-17							Tipo di acciaio non contemplato
1O	150	-36	-99	-26	0	20	-27							Tipo di acciaio non contemplato
1P	150	-36	-80	-26	0	20	-17							Tipo di acciaio non contemplato
2	150	-278	-572	-8	0	6	-110							Tipo di acciaio non contemplato
7	150	-224	-435	-8	0	6	-86							Tipo di acciaio non contemplato
8	150	-222	-436	-5	0	4	-86							Tipo di acciaio non contemplato

ASTA NUM. 8 NI 774 NF 764 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-307	73	11	0	9	-19								Tipo di acciaio non contemplato
1B	0	-307	109	11	0	9	-26								Tipo di acciaio non contemplato
1C	0	-307	73	-11	0	-8	-19								Tipo di acciaio non contemplato
1D	0	-307	109	-11	0	-8	-26								Tipo di acciaio non contemplato
1E	0	168	73	11	0	9	-19								Tipo di acciaio non contemplato
1F	0	168	109	11	0	9	-26								Tipo di acciaio non contemplato
1G	0	168	73	-11	0	-8	-19								Tipo di acciaio non contemplato
1H	0	168	109	-11	0	-8	-26								Tipo di acciaio non contemplato
1I	0	-172	79	28	0	21	-16								Tipo di acciaio non contemplato
1J	0	-172	104	28	0	21	-28								Tipo di acciaio non contemplato
1K	0	-172	79	-27	0	-21	-16								Tipo di acciaio non contemplato
1L	0	-172	104	-27	0	-21	-28								Tipo di acciaio non contemplato
1M	0	33	79	28	0	21	-16								Tipo di acciaio non contemplato
1N	0	33	104	28	0	21	-28								Tipo di acciaio non contemplato
1O	0	33	79	-27	0	-21	-16								Tipo di acciaio non contemplato
1P	0	33	104	-27	0	-21	-28								Tipo di acciaio non contemplato
2	0	-264	587	-5	0	-4	-110								Tipo di acciaio non contemplato
7	0	-214	446	-5	0	-4	-86								Tipo di acciaio non contemplato
8	0	-211	446	-3	0	-2	-86								Tipo di acciaio non contemplato
1A	75	-307	12	11	0	0	13								Tipo di acciaio non contemplato
1B	75	-307	48	11	0	0	33								Tipo di acciaio non contemplato
1C	75	-307	12	-11	0	0	13								Tipo di acciaio non contemplato
1D	75	-307	48	-11	0	0	33								Tipo di acciaio non contemplato
1E	75	168	12	11	0	0	13								Tipo di acciaio non contemplato
1F	75	168	48	11	0	0	33								Tipo di acciaio non contemplato
1G	75	168	12	-11	0	0	13								Tipo di acciaio non contemplato
1H	75	168	48	-11	0	0	33								Tipo di acciaio non contemplato
1I	75	-172	17	28	0	0	19								Tipo di acciaio non contemplato
1J	75	-172	42	28	0	0	27								Tipo di acciaio non contemplato
1K	75	-172	17	-27	0	0	19								Tipo di acciaio non contemplato
1L	75	-172	42	-27	0	0	27								Tipo di acciaio non contemplato
1M	75	33	17	28	0	0	19								Tipo di acciaio non contemplato
1N	75	33	42	28	0	0	27								Tipo di acciaio non contemplato
1O	75	33	17	-27	0	0	19								Tipo di acciaio non contemplato
1P	75	33	42	-27	0	0	27								Tipo di acciaio non contemplato
2	75	-264	144	-5	0	0	164								Tipo di acciaio non contemplato
7	75	-214	112	-5	0	0	124								Tipo di acciaio non contemplato
8	75	-211	113	-3	0	0	124								Tipo di acciaio non contemplato
1A	150	-307	-50	11	0	-8	-2								Tipo di acciaio non contemplato
1B	150	-307	-14	11	0	-8	46								Tipo di acciaio non contemplato
1C	150	-307	-50	-11	0	8	-2								Tipo di acciaio non contemplato
1D	150	-307	-14	-11	0	8	46								Tipo di acciaio non contemplato
1E	150	168	-50	11	0	-8	-2								Tipo di acciaio non contemplato
1F	150	168	-14	11	0	-8	46								Tipo di acciaio non contemplato
1G	150	168	-50	-11	0	8	-2								Tipo di acciaio non contemplato
1H	150	168	-14	-11	0	8	46								Tipo di acciaio non contemplato
1I	150	-172	-44	28	0	-21	9								Tipo di acciaio non contemplato
1J	150	-172	-19	28	0	-21	35								Tipo di acciaio non contemplato
1K	150	-172	-44	-27	0	21	9								Tipo di acciaio non contemplato
1L	150	-172	-19	-27	0	21	35								Tipo di acciaio non contemplato
1M	150	33	-44	28	0	-21	9								Tipo di acciaio non contemplato
1N	150	33	-19	28	0	-21	35								Tipo di acciaio non contemplato
1O	150	33	-44	-27	0	21	9								Tipo di acciaio non contemplato
1P	150	33	-19	-27	0	21	35								Tipo di acciaio non contemplato
2	150	-264	-299	-5	0	3	106								Tipo di acciaio non contemplato
7	150	-214	-222	-5	0	4	83								Tipo di acciaio non contemplato
8	150	-211	-221	-3	0	2	83								Tipo di acciaio non contemplato

ASTA NUM. 9 NI 764 NF 757 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.

qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-83	29	1	0	0	46								Tipo di acciaio non contemplato
1B	0	-83	62	1	0	0	-1								Tipo di acciaio non contemplato
1C	0	-83	29	-1	0	0	46								Tipo di acciaio non contemplato
1D	0	-83	62	-1	0	0	-1								Tipo di acciaio non contemplato
1E	0	141	29	1	0	0	46								Tipo di acciaio non contemplato
1F	0	141	62	1	0	0	-1								Tipo di acciaio non contemplato
1G	0	141	29	-1	0	0	46								Tipo di acciaio non contemplato
1H	0	141	62	-1	0	0	-1								Tipo di acciaio non contemplato
1I	0	-20	37	1	0	0	35								Tipo di acciaio non contemplato
1J	0	-20	55	1	0	0	10								Tipo di acciaio non contemplato
1K	0	-20	37	-1	0	0	35								Tipo di acciaio non contemplato
1L	0	-20	55	-1	0	0	10								Tipo di acciaio non contemplato
1M	0	78	37	1	0	0	35								Tipo di acciaio non contemplato
1N	0	78	55	1	0	0	10								Tipo di acciaio non contemplato
1O	0	78	37	-1	0	0	35								Tipo di acciaio non contemplato
1P	0	78	55	-1	0	0	10								Tipo di acciaio non contemplato
2	0	85	367	1	0	0	107								Tipo di acciaio non contemplato
7	0	69	275	1	0	0	84								Tipo di acciaio non contemplato
8	0	71	275	1	0	0	84								Tipo di acciaio non contemplato
1A	75	-83	-32	1	0	0	45								Tipo di acciaio non contemplato
1B	75	-83	1	1	0	0	22								Tipo di acciaio non contemplato
1C	75	-83	-32	-1	0	0	45								Tipo di acciaio non contemplato
1D	75	-83	1	-1	0	0	22								Tipo di acciaio non contemplato
1E	75	141	-32	1	0	0	45								Tipo di acciaio non contemplato
1F	75	141	1	1	0	0	22								Tipo di acciaio non contemplato
1G	75	141	-32	-1	0	0	45								Tipo di acciaio non contemplato
1H	75	141	1	-1	0	0	22								Tipo di acciaio non contemplato
1I	75	-20	-25	1	0	0	40								Tipo di acciaio non contemplato
1J	75	-20	-7	1	0	0	28								Tipo di acciaio non contemplato
1K	75	-20	-25	-1	0	0	40								Tipo di acciaio non contemplato
1L	75	-20	-7	-1	0	0	28								Tipo di acciaio non contemplato
1M	75	78	-25	1	0	0	40								Tipo di acciaio non contemplato
1N	75	78	-7	1	0	0	28								Tipo di acciaio non contemplato
1O	75	78	-25	-1	0	0	40								Tipo di acciaio non contemplato
1P	75	78	-7	-1	0	0	28								Tipo di acciaio non contemplato
2	75	85	-75	1	0	0	216								Tipo di acciaio non contemplato
7	75	69	-59	1	0	0	165								Tipo di acciaio non contemplato
8	75	71	-59	1	0	0	165								Tipo di acciaio non contemplato
1A	150	-83	-94	1	0	-1	-2								Tipo di acciaio non contemplato
1B	150	-83	-61	1	0	-1	0								Tipo di acciaio non contemplato
1C	150	-83	-94	-1	0	0	-2								Tipo di acciaio non contemplato
1D	150	-83	-61	-1	0	0	0								Tipo di acciaio non contemplato
1E	150	141	-94	1	0	-1	-2								Tipo di acciaio non contemplato
1F	150	141	-61	1	0	-1	0								Tipo di acciaio non contemplato
1G	150	141	-94	-1	0	0	-2								Tipo di acciaio non contemplato
1H	150	141	-61	-1	0	0	0								Tipo di acciaio non contemplato
1I	150	-20	-86	1	0	-1	-2								Tipo di acciaio non contemplato
1J	150	-20	-68	1	0	-1	0								Tipo di acciaio non contemplato
1K	150	-20	-86	-1	0	0	-2								Tipo di acciaio non contemplato
1L	150	-20	-68	-1	0	0	0								Tipo di acciaio non contemplato
1M	150	78	-86	1	0	-1	-2								Tipo di acciaio non contemplato
1N	150	78	-68	1	0	-1	0								Tipo di acciaio non contemplato
1O	150	78	-86	-1	0	0	-2								Tipo di acciaio non contemplato
1P	150	78	-68	-1	0	0	0								Tipo di acciaio non contemplato
2	150	85	-518	1	0	-1	-6								Tipo di acciaio non contemplato
7	150	69	-393	1	0	-1	-5								Tipo di acciaio non contemplato
8	150	71	-393	1	0	-1	-5								Tipo di acciaio non contemplato

ASTA NUM. 10 NI 805 NF 795 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-410	61	5	0	4	-11								Tipo di acciaio non contemplato
1B	0	-410	82	5	0	4	-24								Tipo di acciaio non contemplato
1C	0	-410	61	-7	0	-5	-11								Tipo di acciaio non contemplato
1D	0	-410	82	-7	0	-5	-24								Tipo di acciaio non contemplato
1E	0	424	61	5	0	4	-11								Tipo di acciaio non contemplato
1F	0	424	82	5	0	4	-24								Tipo di acciaio non contemplato
1G	0	424	61	-7	0	-5	-11								Tipo di acciaio non contemplato
1H	0	424	82	-7	0	-5	-24								Tipo di acciaio non contemplato
1I	0	-150	64	15	0	11	-12								Tipo di acciaio non contemplato
1J	0	-150	79	15	0	11	-22								Tipo di acciaio non contemplato
1K	0	-150	64	-16	0	-12	-12								Tipo di acciaio non contemplato
1L	0	-150	79	-16	0	-12	-22								Tipo di acciaio non contemplato
1M	0	164	64	15	0	11	-12								Tipo di acciaio non contemplato
1N	0	164	79	15	0	11	-22								Tipo di acciaio non contemplato
1O	0	164	64	-16	0	-12	-12								Tipo di acciaio non contemplato
1P	0	164	79	-16	0	-12	-22								Tipo di acciaio non contemplato
2	0	46	488	-9	0	-6	-87								Tipo di acciaio non contemplato
7	0	42	370	-8	0	-6	-68								Tipo di acciaio non contemplato
8	0	34	369	-6	0	-4	-67								Tipo di acciaio non contemplato

1A	75	-410	-1	5	0	0	11							Tipo di acciaio non contemplato
1B	75	-410	21	5	0	0	15							Tipo di acciaio non contemplato
1C	75	-410	-1	-7	0	0	11							Tipo di acciaio non contemplato
1D	75	-410	21	-7	0	0	15							Tipo di acciaio non contemplato
1E	75	424	-1	5	0	0	11							Tipo di acciaio non contemplato
1F	75	424	21	5	0	0	15							Tipo di acciaio non contemplato
1G	75	424	-1	-7	0	0	11							Tipo di acciaio non contemplato
1H	75	424	21	-7	0	0	15							Tipo di acciaio non contemplato
1I	75	-150	3	15	0	0	13							Tipo di acciaio non contemplato
1J	75	-150	17	15	0	0	14							Tipo di acciaio non contemplato
1K	75	-150	3	-16	0	0	13							Tipo di acciaio non contemplato
1L	75	-150	17	-16	0	0	14							Tipo di acciaio non contemplato
1M	75	164	3	15	0	0	13							Tipo di acciaio non contemplato
1N	75	164	17	15	0	0	14							Tipo di acciaio non contemplato
1O	75	164	3	-16	0	0	13							Tipo di acciaio non contemplato
1P	75	164	17	-16	0	0	14							Tipo di acciaio non contemplato
2	75	46	45	-9	0	0	113							Tipo di acciaio non contemplato
7	75	42	36	-8	0	0	84							Tipo di acciaio non contemplato
8	75	34	35	-6	0	0	85							Tipo di acciaio non contemplato
1A	150	-410	-62	5	0	-4	-12							Tipo di acciaio non contemplato
1B	150	-410	-41	5	0	-4	8							Tipo di acciaio non contemplato
1C	150	-410	-62	-7	0	5	-12							Tipo di acciaio non contemplato
1D	150	-410	-41	-7	0	5	8							Tipo di acciaio non contemplato
1E	150	424	-62	5	0	-4	-12							Tipo di acciaio non contemplato
1F	150	424	-41	5	0	-4	8							Tipo di acciaio non contemplato
1G	150	424	-62	-7	0	5	-12							Tipo di acciaio non contemplato
1H	150	424	-41	-7	0	5	8							Tipo di acciaio non contemplato
1I	150	-150	-59	15	0	-11	-9							Tipo di acciaio non contemplato
1J	150	-150	-44	15	0	-11	4							Tipo di acciaio non contemplato
1K	150	-150	-59	-16	0	12	-9							Tipo di acciaio non contemplato
1L	150	-150	-44	-16	0	12	4							Tipo di acciaio non contemplato
1M	150	164	-59	15	0	-11	-9							Tipo di acciaio non contemplato
1N	150	164	-44	15	0	-11	4							Tipo di acciaio non contemplato
1O	150	164	-59	-16	0	12	-9							Tipo di acciaio non contemplato
1P	150	164	-44	-16	0	12	4							Tipo di acciaio non contemplato
2	150	46	-397	-9	0	7	-19							Tipo di acciaio non contemplato
7	150	42	-298	-8	0	7	-14							Tipo di acciaio non contemplato
8	150	34	-299	-6	0	5	-14							Tipo di acciaio non contemplato

ASTA NUM. 11 NI 795 NF 785 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-234	56	1	0	0	7								Tipo di acciaio non contemplato
1B	0	-234	93	1	0	0	-13								Tipo di acciaio non contemplato
1C	0	-234	56	-2	0	-1	7								Tipo di acciaio non contemplato
1D	0	-234	93	-2	0	-1	-13								Tipo di acciaio non contemplato
1E	0	250	56	1	0	0	7								Tipo di acciaio non contemplato
1F	0	250	93	1	0	0	-13								Tipo di acciaio non contemplato
1G	0	250	56	-2	0	-1	7								Tipo di acciaio non contemplato
1H	0	250	93	-2	0	-1	-13								Tipo di acciaio non contemplato
1I	0	-135	63	1	0	0	3								Tipo di acciaio non contemplato
1J	0	-135	85	1	0	0	-10								Tipo di acciaio non contemplato
1K	0	-135	63	-2	0	-1	3								Tipo di acciaio non contemplato
1L	0	-135	85	-2	0	-1	-10								Tipo di acciaio non contemplato
1M	0	150	63	1	0	0	3								Tipo di acciaio non contemplato
1N	0	150	85	1	0	0	-10								Tipo di acciaio non contemplato
1O	0	150	63	-2	0	-1	3								Tipo di acciaio non contemplato
1P	0	150	85	-2	0	-1	-10								Tipo di acciaio non contemplato
2	0	53	504	-2	0	-2	-23								Tipo di acciaio non contemplato
7	0	34	382	-1	0	-1	-17								Tipo di acciaio non contemplato
8	0	41	382	-1	0	-1	-17								Tipo di acciaio non contemplato
1A	75	-234	-6	1	0	0	26								Tipo di acciaio non contemplato
1B	75	-234	31	1	0	0	33								Tipo di acciaio non contemplato
1C	75	-234	-6	-2	0	0	26								Tipo di acciaio non contemplato
1D	75	-234	31	-2	0	0	33								Tipo di acciaio non contemplato
1E	75	250	-6	1	0	0	26								Tipo di acciaio non contemplato
1F	75	250	31	1	0	0	33								Tipo di acciaio non contemplato
1G	75	250	-6	-2	0	0	26								Tipo di acciaio non contemplato
1H	75	250	31	-2	0	0	33								Tipo di acciaio non contemplato
1I	75	-135	2	1	0	0	28								Tipo di acciaio non contemplato
1J	75	-135	23	1	0	0	31								Tipo di acciaio non contemplato
1K	75	-135	2	-2	0	0	28								Tipo di acciaio non contemplato
1L	75	-135	23	-2	0	0	31								Tipo di acciaio non contemplato
1M	75	150	2	1	0	0	28								Tipo di acciaio non contemplato
1N	75	150	23	1	0	0	31								Tipo di acciaio non contemplato
1O	75	150	2	-2	0	0	28								Tipo di acciaio non contemplato
1P	75	150	23	-2	0	0	31								Tipo di acciaio non contemplato
2	75	53	61	-2	0	0	189								Tipo di acciaio non contemplato
7	75	34	48	-1	0	0	144								Tipo di acciaio non contemplato
8	75	41	48	-1	0	0	144								Tipo di acciaio non contemplato
1A	150	-234	-67	1	0	-1	-2								Tipo di acciaio non contemplato
1B	150	-234	-30	1	0	-1	33								Tipo di acciaio non contemplato
1C	150	-234	-67	-2	0	1	-2								Tipo di acciaio non contemplato
1D	150	-234	-30	-2	0	1	33								Tipo di acciaio non contemplato
1E	150	250	-67	1	0	-1	-2								Tipo di acciaio non contemplato
1F	150	250	-30	1	0	-1	33								Tipo di acciaio non contemplato

1G	150	250	-67	-2	0	1	-2							Tipo di acciaio non contemplato
1H	150	250	-30	-2	0	1	33							Tipo di acciaio non contemplato
1I	150	-135	-60	1	0	0	6							Tipo di acciaio non contemplato
1J	150	-135	-38	1	0	0	26							Tipo di acciaio non contemplato
1K	150	-135	-60	-2	0	1	6							Tipo di acciaio non contemplato
1L	150	-135	-38	-2	0	1	26							Tipo di acciaio non contemplato
1M	150	150	-60	1	0	0	6							Tipo di acciaio non contemplato
1N	150	150	-38	1	0	0	26							Tipo di acciaio non contemplato
1O	150	150	-60	-2	0	1	6							Tipo di acciaio non contemplato
1P	150	150	-38	-2	0	1	26							Tipo di acciaio non contemplato
2	150	53	-382	-2	0	0	69							Tipo di acciaio non contemplato
7	150	34	-286	-1	0	0	55							Tipo di acciaio non contemplato
8	150	41	-286	-1	0	0	55							Tipo di acciaio non contemplato

ASTA NUM. 12 NI 785 NF 775 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-147	25	9	0	7	33								Tipo di acciaio non contemplato
1B	0	-147	51	9	0	7	-2								Tipo di acciaio non contemplato
1C	0	-147	25	-10	0	-7	33								Tipo di acciaio non contemplato
1D	0	-147	51	-10	0	-7	-2								Tipo di acciaio non contemplato
1E	0	121	25	9	0	7	33								Tipo di acciaio non contemplato
1F	0	121	51	9	0	7	-2								Tipo di acciaio non contemplato
1G	0	121	25	-10	0	-7	33								Tipo di acciaio non contemplato
1H	0	121	51	-10	0	-7	-2								Tipo di acciaio non contemplato
1I	0	-188	27	26	0	19	25								Tipo di acciaio non contemplato
1J	0	-188	49	26	0	19	6								Tipo di acciaio non contemplato
1K	0	-188	27	-26	0	-20	25								Tipo di acciaio non contemplato
1L	0	-188	49	-26	0	-20	6								Tipo di acciaio non contemplato
1M	0	162	27	26	0	19	25								Tipo di acciaio non contemplato
1N	0	162	49	26	0	19	6								Tipo di acciaio non contemplato
1O	0	162	27	-26	0	-20	25								Tipo di acciaio non contemplato
1P	0	162	49	-26	0	-20	6								Tipo di acciaio non contemplato
2	0	-7	331	-8	0	-6	69								Tipo di acciaio non contemplato
7	0	-25	246	-8	0	-6	54								Tipo di acciaio non contemplato
8	0	-7	246	-5	0	-4	55								Tipo di acciaio non contemplato
1A	75	-147	-37	9	0	0	28								Tipo di acciaio non contemplato
1B	75	-147	-10	9	0	0	14								Tipo di acciaio non contemplato
1C	75	-147	-37	-10	0	0	28								Tipo di acciaio non contemplato
1D	75	-147	-10	-10	0	0	14								Tipo di acciaio non contemplato
1E	75	121	-37	9	0	0	28								Tipo di acciaio non contemplato
1F	75	121	-10	9	0	0	14								Tipo di acciaio non contemplato
1G	75	121	-37	-10	0	0	28								Tipo di acciaio non contemplato
1H	75	121	-10	-10	0	0	14								Tipo di acciaio non contemplato
1I	75	-188	-34	26	0	0	23								Tipo di acciaio non contemplato
1J	75	-188	-13	26	0	0	20								Tipo di acciaio non contemplato
1K	75	-188	-34	-26	0	0	23								Tipo di acciaio non contemplato
1L	75	-188	-13	-26	0	0	20								Tipo di acciaio non contemplato
1M	75	162	-34	26	0	0	23								Tipo di acciaio non contemplato
1N	75	162	-13	26	0	0	20								Tipo di acciaio non contemplato
1O	75	162	-34	-26	0	0	23								Tipo di acciaio non contemplato
1P	75	162	-13	-26	0	0	20								Tipo di acciaio non contemplato
2	75	-7	-112	-8	0	0	151								Tipo di acciaio non contemplato
7	75	-25	-87	-8	0	0	114								Tipo di acciaio non contemplato
8	75	-7	-88	-5	0	0	114								Tipo di acciaio non contemplato
1A	150	-147	-98	9	0	-7	-23								Tipo di acciaio non contemplato
1B	150	-147	-72	9	0	-7	-17								Tipo di acciaio non contemplato
1C	150	-147	-98	-10	0	8	-23								Tipo di acciaio non contemplato
1D	150	-147	-72	-10	0	8	-17								Tipo di acciaio non contemplato
1E	150	121	-98	9	0	-7	-23								Tipo di acciaio non contemplato
1F	150	121	-72	9	0	-7	-17								Tipo di acciaio non contemplato
1G	150	121	-98	-10	0	8	-23								Tipo di acciaio non contemplato
1H	150	121	-72	-10	0	8	-17								Tipo di acciaio non contemplato
1I	150	-188	-96	26	0	-19	-26								Tipo di acciaio non contemplato
1J	150	-188	-74	26	0	-19	-13								Tipo di acciaio non contemplato
1K	150	-188	-96	-26	0	20	-26								Tipo di acciaio non contemplato
1L	150	-188	-74	-26	0	20	-13								Tipo di acciaio non contemplato
1M	150	162	-96	26	0	-19	-26								Tipo di acciaio non contemplato
1N	150	162	-74	26	0	-19	-13								Tipo di acciaio non contemplato
1O	150	162	-96	-26	0	20	-26								Tipo di acciaio non contemplato
1P	150	162	-74	-26	0	20	-13								Tipo di acciaio non contemplato
2	150	-7	-554	-8	0	6	-99								Tipo di acciaio non contemplato
7	150	-25	-421	-8	0	6	-77								Tipo di acciaio non contemplato
8	150	-7	-422	-5	0	4	-77								Tipo di acciaio non contemplato

ASTA NUM. 13 NI 775 NF 765 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-246	72	12	0	9	-16								Tipo di acciaio non contemplato
1B	0	-246	101	12	0	9	-23								Tipo di acciaio non contemplato

1C	0	-246	72	-11	0	-9	-16	Tipo di acciaio non contemplato
1D	0	-246	101	-11	0	-9	-23	Tipo di acciaio non contemplato
1E	0	218	72	12	0	9	-16	Tipo di acciaio non contemplato
1F	0	218	101	12	0	9	-23	Tipo di acciaio non contemplato
1G	0	218	72	-11	0	-9	-16	Tipo di acciaio non contemplato
1H	0	218	101	-11	0	-9	-23	Tipo di acciaio non contemplato
1I	0	-117	73	28	0	21	-12	Tipo di acciaio non contemplato
1J	0	-117	100	28	0	21	-27	Tipo di acciaio non contemplato
1K	0	-117	73	-27	0	-20	-12	Tipo di acciaio non contemplato
1L	0	-117	100	-27	0	-20	-27	Tipo di acciaio non contemplato
1M	0	89	73	28	0	21	-12	Tipo di acciaio non contemplato
1N	0	89	100	28	0	21	-27	Tipo di acciaio non contemplato
1O	0	89	73	-27	0	-20	-12	Tipo di acciaio non contemplato
1P	0	89	100	-27	0	-20	-27	Tipo di acciaio non contemplato
2	0	21	565	-5	0	-4	-99	Tipo di acciaio non contemplato
7	0	7	430	-5	0	-4	-77	Tipo di acciaio non contemplato
8	0	10	430	-3	0	-2	-77	Tipo di acciaio non contemplato
1A	75	-246	11	12	0	0	15	Tipo di acciaio non contemplato
1B	75	-246	40	12	0	0	30	Tipo di acciaio non contemplato
1C	75	-246	11	-11	0	0	15	Tipo di acciaio non contemplato
1D	75	-246	40	-11	0	0	30	Tipo di acciaio non contemplato
1E	75	218	11	12	0	0	15	Tipo di acciaio non contemplato
1F	75	218	40	12	0	0	30	Tipo di acciaio non contemplato
1G	75	218	11	-11	0	0	15	Tipo di acciaio non contemplato
1H	75	218	40	-11	0	0	30	Tipo di acciaio non contemplato
1I	75	-117	11	28	0	0	19	Tipo di acciaio non contemplato
1J	75	-117	39	28	0	0	25	Tipo di acciaio non contemplato
1K	75	-117	11	-27	0	0	19	Tipo di acciaio non contemplato
1L	75	-117	39	-27	0	0	25	Tipo di acciaio non contemplato
1M	75	89	11	28	0	0	19	Tipo di acciaio non contemplato
1N	75	89	39	28	0	0	25	Tipo di acciaio non contemplato
1O	75	89	11	-27	0	0	19	Tipo di acciaio non contemplato
1P	75	89	39	-27	0	0	25	Tipo di acciaio non contemplato
2	75	21	122	-5	0	0	159	Tipo di acciaio non contemplato
7	75	7	96	-5	0	0	120	Tipo di acciaio non contemplato
8	75	10	96	-3	0	0	120	Tipo di acciaio non contemplato
1A	150	-246	-51	12	0	-9	0	Tipo di acciaio non contemplato
1B	150	-246	-22	12	0	-9	37	Tipo di acciaio non contemplato
1C	150	-246	-51	-11	0	8	0	Tipo di acciaio non contemplato
1D	150	-246	-22	-11	0	8	37	Tipo di acciaio non contemplato
1E	150	218	-51	12	0	-9	0	Tipo di acciaio non contemplato
1F	150	218	-22	12	0	-9	37	Tipo di acciaio non contemplato
1G	150	218	-51	-11	0	8	0	Tipo di acciaio non contemplato
1H	150	218	-22	-11	0	8	37	Tipo di acciaio non contemplato
1I	150	-117	-50	28	0	-21	5	Tipo di acciaio non contemplato
1J	150	-117	-23	28	0	-21	31	Tipo di acciaio non contemplato
1K	150	-117	-50	-27	0	20	5	Tipo di acciaio non contemplato
1L	150	-117	-23	-27	0	20	31	Tipo di acciaio non contemplato
1M	150	89	-50	28	0	-21	5	Tipo di acciaio non contemplato
1N	150	89	-23	28	0	-21	31	Tipo di acciaio non contemplato
1O	150	89	-50	-27	0	20	5	Tipo di acciaio non contemplato
1P	150	89	-23	-27	0	20	31	Tipo di acciaio non contemplato
2	150	21	-320	-5	0	3	85	Tipo di acciaio non contemplato
7	150	7	-238	-5	0	4	67	Tipo di acciaio non contemplato
8	150	10	-238	-3	0	2	66	Tipo di acciaio non contemplato

ASTA NUM. 14 NI 765 NF 756 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-101	36	2	0	1	37								Tipo di acciaio non contemplato
1B	0	-101	62	2	0	1	0								Tipo di acciaio non contemplato
1C	0	-101	36	-1	0	-1	37								Tipo di acciaio non contemplato
1D	0	-101	62	-1	0	-1	0								Tipo di acciaio non contemplato
1E	0	170	36	2	0	1	37								Tipo di acciaio non contemplato
1F	0	170	62	2	0	1	0								Tipo di acciaio non contemplato
1G	0	170	36	-1	0	-1	37								Tipo di acciaio non contemplato
1H	0	170	62	-1	0	-1	0								Tipo di acciaio non contemplato
1I	0	-96	39	1	0	0	31								Tipo di acciaio non contemplato
1J	0	-96	58	1	0	0	5								Tipo di acciaio non contemplato
1K	0	-96	39	-1	0	0	31								Tipo di acciaio non contemplato
1L	0	-96	58	-1	0	0	5								Tipo di acciaio non contemplato
1M	0	164	39	1	0	0	31								Tipo di acciaio non contemplato
1N	0	164	58	1	0	0	5								Tipo di acciaio non contemplato
1O	0	164	39	-1	0	0	31								Tipo di acciaio non contemplato
1P	0	164	58	-1	0	0	5								Tipo di acciaio non contemplato
2	0	130	382	1	0	0	85								Tipo di acciaio non contemplato
7	0	110	286	1	0	0	67								Tipo di acciaio non contemplato
8	0	104	286	1	0	0	67								Tipo di acciaio non contemplato
1A	75	-101	-26	2	0	0	41								Tipo di acciaio non contemplato
1B	75	-101	0	2	0	0	23								Tipo di acciaio non contemplato
1C	75	-101	-26	-1	0	0	41								Tipo di acciaio non contemplato
1D	75	-101	0	-1	0	0	23								Tipo di acciaio non contemplato
1E	75	170	-26	2	0	0	41								Tipo di acciaio non contemplato
1F	75	170	0	2	0	0	23								Tipo di acciaio non contemplato
1G	75	170	-26	-1	0	0	41								Tipo di acciaio non contemplato
1H	75	170	0	-1	0	0	23								Tipo di acciaio non contemplato
1I	75	-96	-22	1	0	0	38								Tipo di acciaio non contemplato

1J	75	-96	-4	1	0	0	26	Tipo di acciaio non contemplato
1K	75	-96	-22	-1	0	0	38	Tipo di acciaio non contemplato
1L	75	-96	-4	-1	0	0	26	Tipo di acciaio non contemplato
1M	75	164	-22	1	0	0	38	Tipo di acciaio non contemplato
1N	75	164	-4	1	0	0	26	Tipo di acciaio non contemplato
1O	75	164	-22	-1	0	0	38	Tipo di acciaio non contemplato
1P	75	164	-4	-1	0	0	26	Tipo di acciaio non contemplato
2	75	130	-61	1	0	0	206	Tipo di acciaio non contemplato
7	75	110	-48	1	0	0	156	Tipo di acciaio non contemplato
8	75	104	-48	1	0	0	156	Tipo di acciaio non contemplato
1A	150	-101	-87	2	0	-1	-2	Tipo di acciaio non contemplato
1B	150	-101	-61	2	0	-1	0	Tipo di acciaio non contemplato
1C	150	-101	-87	-1	0	0	-2	Tipo di acciaio non contemplato
1D	150	-101	-61	-1	0	0	0	Tipo di acciaio non contemplato
1E	150	170	-87	2	0	-1	-2	Tipo di acciaio non contemplato
1F	150	170	-61	2	0	-1	0	Tipo di acciaio non contemplato
1G	150	170	-87	-1	0	0	-2	Tipo di acciaio non contemplato
1H	150	170	-61	-1	0	0	0	Tipo di acciaio non contemplato
1I	150	-96	-84	1	0	-1	-2	Tipo di acciaio non contemplato
1J	150	-96	-65	1	0	-1	0	Tipo di acciaio non contemplato
1K	150	-96	-84	-1	0	0	-2	Tipo di acciaio non contemplato
1L	150	-96	-65	-1	0	0	0	Tipo di acciaio non contemplato
1M	150	164	-84	1	0	-1	-2	Tipo di acciaio non contemplato
1N	150	164	-65	1	0	-1	0	Tipo di acciaio non contemplato
1O	150	164	-84	-1	0	0	-2	Tipo di acciaio non contemplato
1P	150	164	-65	-1	0	0	0	Tipo di acciaio non contemplato
2	150	130	-504	1	0	-1	-6	Tipo di acciaio non contemplato
7	150	110	-382	1	0	-1	-5	Tipo di acciaio non contemplato
8	150	104	-382	1	0	-1	-5	Tipo di acciaio non contemplato

ASTA NUM. 15 NI 806 NF 796 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-238	57	6	0	5	-3								Tipo di acciaio non contemplato
1B	0	-238	67	6	0	5	-7								Tipo di acciaio non contemplato
1C	0	-238	57	-8	0	-6	-3								Tipo di acciaio non contemplato
1D	0	-238	67	-8	0	-6	-7								Tipo di acciaio non contemplato
1E	0	179	57	6	0	5	-3								Tipo di acciaio non contemplato
1F	0	179	67	6	0	5	-7								Tipo di acciaio non contemplato
1G	0	179	57	-8	0	-6	-3								Tipo di acciaio non contemplato
1H	0	179	67	-8	0	-6	-7								Tipo di acciaio non contemplato
1I	0	-465	58	15	0	11	-3								Tipo di acciaio non contemplato
1J	0	-465	66	15	0	11	-6								Tipo di acciaio non contemplato
1K	0	-465	58	-17	0	-13	-3								Tipo di acciaio non contemplato
1L	0	-465	66	-17	0	-13	-6								Tipo di acciaio non contemplato
1M	0	406	58	15	0	11	-3								Tipo di acciaio non contemplato
1N	0	406	66	15	0	11	-6								Tipo di acciaio non contemplato
1O	0	406	58	-17	0	-13	-3								Tipo di acciaio non contemplato
1P	0	406	66	-17	0	-13	-6								Tipo di acciaio non contemplato
2	0	-275	440	-10	0	-7	-24								Tipo di acciaio non contemplato
7	0	-265	332	-9	0	-7	-19								Tipo di acciaio non contemplato
8	0	-193	332	-7	0	-5	-18								Tipo di acciaio non contemplato
1A	75	-238	-5	6	0	0	17								Tipo di acciaio non contemplato
1B	75	-238	5	6	0	0	20								Tipo di acciaio non contemplato
1C	75	-238	-5	-8	0	0	17								Tipo di acciaio non contemplato
1D	75	-238	5	-8	0	0	20								Tipo di acciaio non contemplato
1E	75	179	-5	6	0	0	17								Tipo di acciaio non contemplato
1F	75	179	5	6	0	0	20								Tipo di acciaio non contemplato
1G	75	179	-5	-8	0	0	17								Tipo di acciaio non contemplato
1H	75	179	5	-8	0	0	20								Tipo di acciaio non contemplato
1I	75	-465	-4	15	0	0	17								Tipo di acciaio non contemplato
1J	75	-465	4	15	0	0	20								Tipo di acciaio non contemplato
1K	75	-465	-4	-17	0	0	17								Tipo di acciaio non contemplato
1L	75	-465	4	-17	0	0	20								Tipo di acciaio non contemplato
1M	75	406	-4	15	0	0	17								Tipo di acciaio non contemplato
1N	75	406	4	15	0	0	20								Tipo di acciaio non contemplato
1O	75	406	-4	-17	0	0	17								Tipo di acciaio non contemplato
1P	75	406	4	-17	0	0	20								Tipo di acciaio non contemplato
2	75	-275	-3	-10	0	0	140								Tipo di acciaio non contemplato
7	75	-265	-2	-9	0	0	105								Tipo di acciaio non contemplato
8	75	-193	-2	-7	0	0	105								Tipo di acciaio non contemplato
1A	150	-238	-66	6	0	-4	-10								Tipo di acciaio non contemplato
1B	150	-238	-56	6	0	-4	1								Tipo di acciaio non contemplato
1C	150	-238	-66	-8	0	6	-10								Tipo di acciaio non contemplato
1D	150	-238	-56	-8	0	6	1								Tipo di acciaio non contemplato
1E	150	179	-66	6	0	-4	-10								Tipo di acciaio non contemplato
1F	150	179	-56	6	0	-4	1								Tipo di acciaio non contemplato
1G	150	179	-66	-8	0	6	-10								Tipo di acciaio non contemplato
1H	150	179	-56	-8	0	6	1								Tipo di acciaio non contemplato
1I	150	-465	-65	15	0	-11	-9								Tipo di acciaio non contemplato
1J	150	-465	-57	15	0	-11	0								Tipo di acciaio non contemplato
1K	150	-465	-65	-17	0	13	-9								Tipo di acciaio non contemplato
1L	150	-465	-57	-17	0	13	0								Tipo di acciaio non contemplato
1M	150	406	-65	15	0	-11	-9								Tipo di acciaio non contemplato
1N	150	406	-57	15	0	-11	0								Tipo di acciaio non contemplato
1O	150	406	-65	-17	0	13	-9								Tipo di acciaio non contemplato
1P	150	406	-57	-17	0	13	0								Tipo di acciaio non contemplato

2	150	-275	-446	-10	0	7	-28							Tipo di acciaio non contemplato
7	150	-265	-336	-9	0	7	-21							Tipo di acciaio non contemplato
8	150	-193	-336	-7	0	5	-22							Tipo di acciaio non contemplato

ASTA NUM. 16 NI 796 NF 786 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-110	60	2	0	1	1								Tipo di acciaio non contemplato
1B	0	-110	82	2	0	1	-10								Tipo di acciaio non contemplato
1C	0	-110	60	-2	0	-2	1								Tipo di acciaio non contemplato
1D	0	-110	82	-2	0	-2	-10								Tipo di acciaio non contemplato
1E	0	89	60	2	0	1	1								Tipo di acciaio non contemplato
1F	0	89	82	2	0	1	-10								Tipo di acciaio non contemplato
1G	0	89	60	-2	0	-2	1								Tipo di acciaio non contemplato
1H	0	89	82	-2	0	-2	-10								Tipo di acciaio non contemplato
1I	0	-160	63	2	0	1	0								Tipo di acciaio non contemplato
1J	0	-160	79	2	0	1	-9								Tipo di acciaio non contemplato
1K	0	-160	63	-2	0	-2	0								Tipo di acciaio non contemplato
1L	0	-160	79	-2	0	-2	-9								Tipo di acciaio non contemplato
1M	0	139	63	2	0	1	0								Tipo di acciaio non contemplato
1N	0	139	79	2	0	1	-9								Tipo di acciaio non contemplato
1O	0	139	63	-2	0	-2	0								Tipo di acciaio non contemplato
1P	0	139	79	-2	0	-2	-9								Tipo di acciaio non contemplato
2	0	-89	489	-2	0	-2	-29								Tipo di acciaio non contemplato
7	0	-101	370	-2	0	-1	-22								Tipo di acciaio non contemplato
8	0	-61	370	-1	0	-1	-22								Tipo di acciaio non contemplato
1A	75	-110	-2	2	0	0	23								Tipo di acciaio non contemplato
1B	75	-110	20	2	0	0	28								Tipo di acciaio non contemplato
1C	75	-110	-2	-2	0	0	23								Tipo di acciaio non contemplato
1D	75	-110	20	-2	0	0	28								Tipo di acciaio non contemplato
1E	75	89	-2	2	0	0	23								Tipo di acciaio non contemplato
1F	75	89	20	2	0	0	28								Tipo di acciaio non contemplato
1G	75	89	-2	-2	0	0	23								Tipo di acciaio non contemplato
1H	75	89	20	-2	0	0	28								Tipo di acciaio non contemplato
1I	75	-160	1	2	0	0	25								Tipo di acciaio non contemplato
1J	75	-160	17	2	0	0	27								Tipo di acciaio non contemplato
1K	75	-160	1	-2	0	0	25								Tipo di acciaio non contemplato
1L	75	-160	17	-2	0	0	27								Tipo di acciaio non contemplato
1M	75	139	1	2	0	0	25								Tipo di acciaio non contemplato
1N	75	139	17	2	0	0	27								Tipo di acciaio non contemplato
1O	75	139	1	-2	0	0	25								Tipo di acciaio non contemplato
1P	75	139	17	-2	0	0	27								Tipo di acciaio non contemplato
2	75	-89	46	-2	0	0	172								Tipo di acciaio non contemplato
7	75	-101	36	-2	0	0	130								Tipo di acciaio non contemplato
8	75	-61	36	-1	0	0	130								Tipo di acciaio non contemplato
1A	150	-110	-63	2	0	-1	0								Tipo di acciaio non contemplato
1B	150	-110	-41	2	0	-1	20								Tipo di acciaio non contemplato
1C	150	-110	-63	-2	0	2	0								Tipo di acciaio non contemplato
1D	150	-110	-41	-2	0	2	20								Tipo di acciaio non contemplato
1E	150	89	-63	2	0	-1	0								Tipo di acciaio non contemplato
1F	150	89	-41	2	0	-1	20								Tipo di acciaio non contemplato
1G	150	89	-63	-2	0	2	0								Tipo di acciaio non contemplato
1H	150	89	-41	-2	0	2	20								Tipo di acciaio non contemplato
1I	150	-160	-60	2	0	-2	3								Tipo di acciaio non contemplato
1J	150	-160	-44	2	0	-2	17								Tipo di acciaio non contemplato
1K	150	-160	-60	-2	0	2	3								Tipo di acciaio non contemplato
1L	150	-160	-44	-2	0	2	17								Tipo di acciaio non contemplato
1M	150	139	-60	2	0	-2	3								Tipo di acciaio non contemplato
1N	150	139	-44	2	0	-2	17								Tipo di acciaio non contemplato
1O	150	139	-60	-2	0	2	3								Tipo di acciaio non contemplato
1P	150	139	-44	-2	0	2	17								Tipo di acciaio non contemplato
2	150	-89	-396	-2	0	1	40								Tipo di acciaio non contemplato
7	150	-101	-298	-2	0	0	32								Tipo di acciaio non contemplato
8	150	-61	-298	-1	0	0	32								Tipo di acciaio non contemplato

ASTA NUM. 17 NI 786 NF 776 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-106	37	10	0	8	20								Tipo di acciaio non contemplato
1B	0	-106	54	10	0	8	-1								Tipo di acciaio non contemplato
1C	0	-106	37	-11	0	-8	20								Tipo di acciaio non contemplato
1D	0	-106	54	-11	0	-8	-1								Tipo di acciaio non contemplato
1E	0	95	37	10	0	8	20								Tipo di acciaio non contemplato
1F	0	95	54	10	0	8	-1								Tipo di acciaio non contemplato
1G	0	95	37	-11	0	-8	20								Tipo di acciaio non contemplato
1H	0	95	54	-11	0	-8	-1								Tipo di acciaio non contemplato
1I	0	-210	37	27	0	20	17								Tipo di acciaio non contemplato
1J	0	-210	54	27	0	20	3								Tipo di acciaio non contemplato
1K	0	-210	37	-27	0	-20	17								Tipo di acciaio non contemplato
1L	0	-210	54	-27	0	-20	3								Tipo di acciaio non contemplato

1M	0	199	37	27	0	20	17							Tipo di acciaio non contemplato
1N	0	199	54	27	0	20	3							Tipo di acciaio non contemplato
1O	0	199	37	-27	0	-20	17							Tipo di acciaio non contemplato
1P	0	199	54	-27	0	-20	3							Tipo di acciaio non contemplato
2	0	36	366	-7	0	-6	40							Tipo di acciaio non contemplato
7	0	9	274	-8	0	-6	32							Tipo di acciaio non contemplato
8	0	25	274	-5	0	-4	32							Tipo di acciaio non contemplato
1A	75	-106	-24	10	0	0	25							Tipo di acciaio non contemplato
1B	75	-106	-7	10	0	0	17							Tipo di acciaio non contemplato
1C	75	-106	-24	-11	0	0	25							Tipo di acciaio non contemplato
1D	75	-106	-7	-11	0	0	17							Tipo di acciaio non contemplato
1E	75	95	-24	10	0	0	25							Tipo di acciaio non contemplato
1F	75	95	-7	10	0	0	17							Tipo di acciaio non contemplato
1G	75	95	-24	-11	0	0	25							Tipo di acciaio non contemplato
1H	75	95	-7	-11	0	0	17							Tipo di acciaio non contemplato
1I	75	-210	-24	27	0	0	21							Tipo di acciaio non contemplato
1J	75	-210	-8	27	0	0	20							Tipo di acciaio non contemplato
1K	75	-210	-24	-27	0	0	21							Tipo di acciaio non contemplato
1L	75	-210	-8	-27	0	0	20							Tipo di acciaio non contemplato
1M	75	199	-24	27	0	0	21							Tipo di acciaio non contemplato
1N	75	199	-8	27	0	0	20							Tipo di acciaio non contemplato
1O	75	199	-24	-27	0	0	21							Tipo di acciaio non contemplato
1P	75	199	-8	-27	0	0	20							Tipo di acciaio non contemplato
2	75	36	-76	-7	0	0	149							Tipo di acciaio non contemplato
7	75	9	-60	-8	0	0	112							Tipo di acciaio non contemplato
8	75	25	-60	-5	0	0	112							Tipo di acciaio non contemplato
1A	150	-106	-86	10	0	-8	-17							Tipo di acciaio non contemplato
1B	150	-106	-69	10	0	-8	-12							Tipo di acciaio non contemplato
1C	150	-106	-86	-11	0	8	-17							Tipo di acciaio non contemplato
1D	150	-106	-69	-11	0	8	-12							Tipo di acciaio non contemplato
1E	150	95	-86	10	0	-8	-17							Tipo di acciaio non contemplato
1F	150	95	-69	10	0	-8	-12							Tipo di acciaio non contemplato
1G	150	95	-86	-11	0	8	-17							Tipo di acciaio non contemplato
1H	150	95	-69	-11	0	8	-12							Tipo di acciaio non contemplato
1I	150	-210	-86	27	0	-21	-20							Tipo di acciaio non contemplato
1J	150	-210	-69	27	0	-21	-9							Tipo di acciaio non contemplato
1K	150	-210	-86	-27	0	21	-20							Tipo di acciaio non contemplato
1L	150	-210	-69	-27	0	21	-9							Tipo di acciaio non contemplato
1M	150	199	-86	27	0	-21	-20							Tipo di acciaio non contemplato
1N	150	199	-69	27	0	-21	-9							Tipo di acciaio non contemplato
1O	150	199	-86	-27	0	21	-20							Tipo di acciaio non contemplato
1P	150	199	-69	-27	0	21	-9							Tipo di acciaio non contemplato
2	150	36	-519	-7	0	6	-74							Tipo di acciaio non contemplato
7	150	9	-394	-8	0	6	-58							Tipo di acciaio non contemplato
8	150	25	-394	-5	0	4	-58							Tipo di acciaio non contemplato

ASTA NUM. 18 NI 776 NF 766 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-310	69	13	0	10	-12								Tipo di acciaio non contemplato
1B	0	-310	87	13	0	10	-17								Tipo di acciaio non contemplato
1C	0	-310	69	-13	0	-10	-12								Tipo di acciaio non contemplato
1D	0	-310	87	-13	0	-10	-17								Tipo di acciaio non contemplato
1E	0	291	69	13	0	10	-12								Tipo di acciaio non contemplato
1F	0	291	87	13	0	10	-17								Tipo di acciaio non contemplato
1G	0	291	69	-13	0	-10	-12								Tipo di acciaio non contemplato
1H	0	291	87	-13	0	-10	-17								Tipo di acciaio non contemplato
1I	0	-754	67	29	0	22	-8								Tipo di acciaio non contemplato
1J	0	-754	89	29	0	22	-21								Tipo di acciaio non contemplato
1K	0	-754	67	-29	0	-22	-8								Tipo di acciaio non contemplato
1L	0	-754	89	-29	0	-22	-21								Tipo di acciaio non contemplato
1M	0	735	67	29	0	22	-8								Tipo di acciaio non contemplato
1N	0	735	89	29	0	22	-21								Tipo di acciaio non contemplato
1O	0	735	67	-29	0	-22	-8								Tipo di acciaio non contemplato
1P	0	735	89	-29	0	-22	-21								Tipo di acciaio non contemplato
2	0	-166	525	-5	0	-4	-75								Tipo di acciaio non contemplato
7	0	-203	398	-6	0	-4	-58								Tipo di acciaio non contemplato
8	0	-104	398	-3	0	-3	-58								Tipo di acciaio non contemplato
1A	75	-310	8	13	0	0	17								Tipo di acciaio non contemplato
1B	75	-310	26	13	0	0	26								Tipo di acciaio non contemplato
1C	75	-310	8	-13	0	0	17								Tipo di acciaio non contemplato
1D	75	-310	26	-13	0	0	26								Tipo di acciaio non contemplato
1E	75	291	8	13	0	0	17								Tipo di acciaio non contemplato
1F	75	291	26	13	0	0	26								Tipo di acciaio non contemplato
1G	75	291	8	-13	0	0	17								Tipo di acciaio non contemplato
1H	75	291	26	-13	0	0	26								Tipo di acciaio non contemplato
1I	75	-754	6	29	0	0	20								Tipo di acciaio non contemplato
1J	75	-754	28	29	0	0	23								Tipo di acciaio non contemplato
1K	75	-754	6	-29	0	0	20								Tipo di acciaio non contemplato
1L	75	-754	28	-29	0	0	23								Tipo di acciaio non contemplato
1M	75	735	6	29	0	0	20								Tipo di acciaio non contemplato
1N	75	735	28	29	0	0	23								Tipo di acciaio non contemplato
1O	75	735	6	-29	0	0	20								Tipo di acciaio non contemplato
1P	75	735	28	-29	0	0	23								Tipo di acciaio non contemplato
2	75	-166	82	-5	0	0	153								Tipo di acciaio non contemplato
7	75	-203	64	-6	0	0	116								Tipo di acciaio non contemplato
8	75	-104	64	-3	0	0	115								Tipo di acciaio non contemplato

1A	150	-310	-54	13	0	-9	0		Tipo di acciaio non contemplato
1B	150	-310	-36	13	0	-9	22		Tipo di acciaio non contemplato
1C	150	-310	-54	-13	0	9	0		Tipo di acciaio non contemplato
1D	150	-310	-36	-13	0	9	22		Tipo di acciaio non contemplato
1E	150	291	-54	13	0	-9	0		Tipo di acciaio non contemplato
1F	150	291	-36	13	0	-9	22		Tipo di acciaio non contemplato
1G	150	291	-54	-13	0	9	0		Tipo di acciaio non contemplato
1H	150	291	-36	-13	0	9	22		Tipo di acciaio non contemplato
1I	150	-754	-56	29	0	-21	0		Tipo di acciaio non contemplato
1J	150	-754	-34	29	0	-21	21		Tipo di acciaio non contemplato
1K	150	-754	-56	-29	0	21	0		Tipo di acciaio non contemplato
1L	150	-754	-34	-29	0	21	21		Tipo di acciaio non contemplato
1M	150	735	-56	29	0	-21	0		Tipo di acciaio non contemplato
1N	150	735	-34	29	0	-21	21		Tipo di acciaio non contemplato
1O	150	735	-56	-29	0	21	0		Tipo di acciaio non contemplato
1P	150	735	-34	-29	0	21	21		Tipo di acciaio non contemplato
2	150	-166	-361	-5	0	4	49		Tipo di acciaio non contemplato
7	150	-203	-270	-6	0	4	39		Tipo di acciaio non contemplato
8	150	-104	-270	-3	0	3	38		Tipo di acciaio non contemplato

ASTA NUM. 19 NI 766 NF 755 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-110	46	2	0	2	22								Tipo di acciaio non contemplato
1B	0	-110	61	2	0	2	0								Tipo di acciaio non contemplato
1C	0	-110	46	-1	0	-1	22								Tipo di acciaio non contemplato
1D	0	-110	61	-1	0	-1	0								Tipo di acciaio non contemplato
1E	0	184	46	2	0	2	22								Tipo di acciaio non contemplato
1F	0	184	61	2	0	2	0								Tipo di acciaio non contemplato
1G	0	184	46	-1	0	-1	22								Tipo di acciaio non contemplato
1H	0	184	61	-1	0	-1	0								Tipo di acciaio non contemplato
1I	0	-342	47	2	0	2	20								Tipo di acciaio non contemplato
1J	0	-342	61	2	0	2	1								Tipo di acciaio non contemplato
1K	0	-342	47	-1	0	-1	20								Tipo di acciaio non contemplato
1L	0	-342	61	-1	0	-1	1								Tipo di acciaio non contemplato
1M	0	415	47	2	0	2	20								Tipo di acciaio non contemplato
1N	0	415	61	2	0	2	1								Tipo di acciaio non contemplato
1O	0	415	47	-1	0	-1	20								Tipo di acciaio non contemplato
1P	0	415	61	-1	0	-1	1								Tipo di acciaio non contemplato
2	0	22	408	1	0	0	48								Tipo di acciaio non contemplato
7	0	-11	306	1	0	0	38								Tipo di acciaio non contemplato
8	0	37	306	1	0	0	38								Tipo di acciaio non contemplato
1A	75	-110	-15	2	0	0	33								Tipo di acciaio non contemplato
1B	75	-110	-0	2	0	0	23								Tipo di acciaio non contemplato
1C	75	-110	-15	-1	0	0	33								Tipo di acciaio non contemplato
1D	75	-110	-0	-1	0	0	23								Tipo di acciaio non contemplato
1E	75	184	-15	2	0	0	33								Tipo di acciaio non contemplato
1F	75	184	-0	2	0	0	23								Tipo di acciaio non contemplato
1G	75	184	-15	-1	0	0	33								Tipo di acciaio non contemplato
1H	75	184	-0	-1	0	0	23								Tipo di acciaio non contemplato
1I	75	-342	-15	2	0	0	32								Tipo di acciaio non contemplato
1J	75	-342	-1	2	0	0	24								Tipo di acciaio non contemplato
1K	75	-342	-15	-1	0	0	32								Tipo di acciaio non contemplato
1L	75	-342	-1	-1	0	0	24								Tipo di acciaio non contemplato
1M	75	415	-15	2	0	0	32								Tipo di acciaio non contemplato
1N	75	415	-1	2	0	0	24								Tipo di acciaio non contemplato
1O	75	415	-15	-1	0	0	32								Tipo di acciaio non contemplato
1P	75	415	-1	-1	0	0	24								Tipo di acciaio non contemplato
2	75	22	-35	1	0	0	188								Tipo di acciaio non contemplato
7	75	-11	-28	1	0	0	143								Tipo di acciaio non contemplato
8	75	37	-28	1	0	0	143								Tipo di acciaio non contemplato
1A	150	-110	-77	2	0	-1	-1								Tipo di acciaio non contemplato
1B	150	-110	-62	2	0	-1	0								Tipo di acciaio non contemplato
1C	150	-110	-77	-1	0	0	-1								Tipo di acciaio non contemplato
1D	150	-110	-62	-1	0	0	0								Tipo di acciaio non contemplato
1E	150	184	-77	2	0	-1	-1								Tipo di acciaio non contemplato
1F	150	184	-62	2	0	-1	0								Tipo di acciaio non contemplato
1G	150	184	-77	-1	0	0	-1								Tipo di acciaio non contemplato
1H	150	184	-62	-1	0	0	0								Tipo di acciaio non contemplato
1I	150	-342	-76	2	0	-1	-2								Tipo di acciaio non contemplato
1J	150	-342	-62	2	0	-1	0								Tipo di acciaio non contemplato
1K	150	-342	-76	-1	0	0	-2								Tipo di acciaio non contemplato
1L	150	-342	-62	-1	0	0	0								Tipo di acciaio non contemplato
1M	150	415	-76	2	0	-1	-2								Tipo di acciaio non contemplato
1N	150	415	-62	2	0	-1	0								Tipo di acciaio non contemplato
1O	150	415	-76	-1	0	0	-2								Tipo di acciaio non contemplato
1P	150	415	-62	-1	0	0	0								Tipo di acciaio non contemplato
2	150	22	-478	1	0	-1	-5								Tipo di acciaio non contemplato
7	150	-11	-362	1	0	-1	-4								Tipo di acciaio non contemplato
8	150	37	-362	1	0	-1	-3								Tipo di acciaio non contemplato

ASTA NUM. 20 NI 807 NF 799 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-669	58	4	0	3	0								Tipo di acciaio non contemplato
1B	0	-669	60	4	0	3	0								Tipo di acciaio non contemplato
1C	0	-669	58	-6	0	-4	0								Tipo di acciaio non contemplato
1D	0	-669	60	-6	0	-4	0								Tipo di acciaio non contemplato
1E	0	489	58	4	0	3	0								Tipo di acciaio non contemplato
1F	0	489	60	4	0	3	0								Tipo di acciaio non contemplato
1G	0	489	58	-6	0	-4	0								Tipo di acciaio non contemplato
1H	0	489	60	-6	0	-4	0								Tipo di acciaio non contemplato
1I	0	-1010	58	9	0	7	0								Tipo di acciaio non contemplato
1J	0	-1010	59	9	0	7	0								Tipo di acciaio non contemplato
1K	0	-1010	58	-11	0	-8	0								Tipo di acciaio non contemplato
1L	0	-1010	59	-11	0	-8	0								Tipo di acciaio non contemplato
1M	0	829	58	9	0	7	0								Tipo di acciaio non contemplato
1N	0	829	59	9	0	7	0								Tipo di acciaio non contemplato
1O	0	829	58	-11	0	-8	0								Tipo di acciaio non contemplato
1P	0	829	59	-11	0	-8	0								Tipo di acciaio non contemplato
2	0	-703	428	-7	0	-5	-4								Tipo di acciaio non contemplato
7	0	-654	322	-7	0	-5	-3								Tipo di acciaio non contemplato
8	0	-505	322	-5	0	-4	-3								Tipo di acciaio non contemplato
1A	75	-669	-3	4	0	0	20								Tipo di acciaio non contemplato
1B	75	-669	-2	4	0	0	21								Tipo di acciaio non contemplato
1C	75	-669	-3	-6	0	0	20								Tipo di acciaio non contemplato
1D	75	-669	-2	-6	0	0	21								Tipo di acciaio non contemplato
1E	75	489	-3	4	0	0	20								Tipo di acciaio non contemplato
1F	75	489	-2	4	0	0	21								Tipo di acciaio non contemplato
1G	75	489	-3	-6	0	0	20								Tipo di acciaio non contemplato
1H	75	489	-2	-6	0	0	21								Tipo di acciaio non contemplato
1I	75	-1010	-3	9	0	0	21								Tipo di acciaio non contemplato
1J	75	-1010	-2	9	0	0	20								Tipo di acciaio non contemplato
1K	75	-1010	-3	-11	0	0	21								Tipo di acciaio non contemplato
1L	75	-1010	-2	-11	0	0	20								Tipo di acciaio non contemplato
1M	75	829	-3	9	0	0	21								Tipo di acciaio non contemplato
1N	75	829	-2	9	0	0	20								Tipo di acciaio non contemplato
1O	75	829	-3	-11	0	0	21								Tipo di acciaio non contemplato
1P	75	829	-2	-11	0	0	20								Tipo di acciaio non contemplato
2	75	-703	-15	-7	0	0	150								Tipo di acciaio non contemplato
7	75	-654	-12	-7	0	0	113								Tipo di acciaio non contemplato
8	75	-505	-12	-5	0	0	113								Tipo di acciaio non contemplato
1A	150	-669	-65	4	0	-3	-5								Tipo di acciaio non contemplato
1B	150	-669	-63	4	0	-3	-3								Tipo di acciaio non contemplato
1C	150	-669	-65	-6	0	5	-5								Tipo di acciaio non contemplato
1D	150	-669	-63	-6	0	5	-3								Tipo di acciaio non contemplato
1E	150	489	-65	4	0	-3	-5								Tipo di acciaio non contemplato
1F	150	489	-63	4	0	-3	-3								Tipo di acciaio non contemplato
1G	150	489	-65	-6	0	5	-5								Tipo di acciaio non contemplato
1H	150	489	-63	-6	0	5	-3								Tipo di acciaio non contemplato
1I	150	-1010	-65	9	0	-7	-3								Tipo di acciaio non contemplato
1J	150	-1010	-64	9	0	-7	-5								Tipo di acciaio non contemplato
1K	150	-1010	-65	-11	0	8	-3								Tipo di acciaio non contemplato
1L	150	-1010	-64	-11	0	8	-5								Tipo di acciaio non contemplato
1M	150	829	-65	9	0	-7	-3								Tipo di acciaio non contemplato
1N	150	829	-64	9	0	-7	-5								Tipo di acciaio non contemplato
1O	150	829	-65	-11	0	8	-3								Tipo di acciaio non contemplato
1P	150	829	-64	-11	0	8	-5								Tipo di acciaio non contemplato
2	150	-703	-458	-7	0	5	-27								Tipo di acciaio non contemplato
7	150	-654	-346	-7	0	5	-21								Tipo di acciaio non contemplato
8	150	-505	-346	-5	0	4	-21								Tipo di acciaio non contemplato

ASTA NUM. 21 NI 799 NF 789 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-512	62	2	0	2	-2								Tipo di acciaio non contemplato
1B	0	-512	64	2	0	2	-4								Tipo di acciaio non contemplato
1C	0	-512	62	-3	0	-2	-2								Tipo di acciaio non contemplato
1D	0	-512	64	-3	0	-2	-4								Tipo di acciaio non contemplato
1E	0	421	62	2	0	2	-2								Tipo di acciaio non contemplato
1F	0	421	64	2	0	2	-4								Tipo di acciaio non contemplato
1G	0	421	62	-3	0	-2	-2								Tipo di acciaio non contemplato
1H	0	421	64	-3	0	-2	-4								Tipo di acciaio non contemplato
1I	0	-1158	62	4	0	3	-1								Tipo di acciaio non contemplato
1J	0	-1158	65	4	0	3	-4								Tipo di acciaio non contemplato
1K	0	-1158	62	-5	0	-3	-1								Tipo di acciaio non contemplato
1L	0	-1158	65	-5	0	-3	-4								Tipo di acciaio non contemplato
1M	0	1067	62	4	0	3	-1								Tipo di acciaio non contemplato
1N	0	1067	65	4	0	3	-4								Tipo di acciaio non contemplato
1O	0	1067	62	-5	0	-3	-1								Tipo di acciaio non contemplato
1P	0	1067	65	-5	0	-3	-4								Tipo di acciaio non contemplato
2	0	-94	451	-0	0	0	-20								Tipo di acciaio non contemplato
7	0	-47	340	0	0	0	-15								Tipo di acciaio non contemplato
8	0	-94	340	-0	0	0	-15								Tipo di acciaio non contemplato
1A	75	-512	0	2	0	0	23								Tipo di acciaio non contemplato
1B	75	-512	3	2	0	0	20								Tipo di acciaio non contemplato

1C	75	-512	0	-3	0	0	23							Tipo di acciaio non contemplato
1D	75	-512	3	-3	0	0	20							Tipo di acciaio non contemplato
1E	75	421	0	2	0	0	23							Tipo di acciaio non contemplato
1F	75	421	3	2	0	0	20							Tipo di acciaio non contemplato
1G	75	421	0	-3	0	0	23							Tipo di acciaio non contemplato
1H	75	421	3	-3	0	0	20							Tipo di acciaio non contemplato
1I	75	-1158	0	4	0	0	22							Tipo di acciaio non contemplato
1J	75	-1158	3	4	0	0	22							Tipo di acciaio non contemplato
1K	75	-1158	0	-5	0	0	22							Tipo di acciaio non contemplato
1L	75	-1158	3	-5	0	0	22							Tipo di acciaio non contemplato
1M	75	1067	0	4	0	0	22							Tipo di acciaio non contemplato
1N	75	1067	3	4	0	0	22							Tipo di acciaio non contemplato
1O	75	1067	0	-5	0	0	22							Tipo di acciaio non contemplato
1P	75	1067	3	-5	0	0	22							Tipo di acciaio non contemplato
2	75	-94	8	-0	0	0	153							Tipo di acciaio non contemplato
7	75	-47	6	0	0	0	115							Tipo di acciaio non contemplato
8	75	-94	6	-0	0	0	115							Tipo di acciaio non contemplato
1A	150	-512	-61	2	0	-2	2							Tipo di acciaio non contemplato
1B	150	-512	-59	2	0	-2	-2							Tipo di acciaio non contemplato
1C	150	-512	-61	-3	0	2	2							Tipo di acciaio non contemplato
1D	150	-512	-59	-3	0	2	-2							Tipo di acciaio non contemplato
1E	150	421	-61	2	0	-2	2							Tipo di acciaio non contemplato
1F	150	421	-59	2	0	-2	-2							Tipo di acciaio non contemplato
1G	150	421	-61	-3	0	2	2							Tipo di acciaio non contemplato
1H	150	421	-59	-3	0	2	-2							Tipo di acciaio non contemplato
1I	150	-1158	-61	4	0	-3	-2							Tipo di acciaio non contemplato
1J	150	-1158	-58	4	0	-3	1							Tipo di acciaio non contemplato
1K	150	-1158	-61	-5	0	4	-2							Tipo di acciaio non contemplato
1L	150	-1158	-58	-5	0	4	1							Tipo di acciaio non contemplato
1M	150	1067	-61	4	0	-3	-2							Tipo di acciaio non contemplato
1N	150	1067	-58	4	0	-3	1							Tipo di acciaio non contemplato
1O	150	1067	-61	-5	0	4	-2							Tipo di acciaio non contemplato
1P	150	1067	-58	-5	0	4	1							Tipo di acciaio non contemplato
2	150	-94	-435	-0	0	0	-7							Tipo di acciaio non contemplato
7	150	-47	-328	0	0	0	-5							Tipo di acciaio non contemplato
8	150	-94	-328	-0	0	0	-5							Tipo di acciaio non contemplato

ASTA NUM. 22 NI 789 NF 779 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-837	57	8	0	6	2								Tipo di acciaio non contemplato
1B	0	-837	60	8	0	6	-2								Tipo di acciaio non contemplato
1C	0	-837	57	-8	0	-6	2								Tipo di acciaio non contemplato
1D	0	-837	60	-8	0	-6	-2								Tipo di acciaio non contemplato
1E	0	1050	57	8	0	6	2								Tipo di acciaio non contemplato
1F	0	1050	60	8	0	6	-2								Tipo di acciaio non contemplato
1G	0	1050	57	-8	0	-6	2								Tipo di acciaio non contemplato
1H	0	1050	60	-8	0	-6	-2								Tipo di acciaio non contemplato
1I	0	-2007	57	19	0	15	0								Tipo di acciaio non contemplato
1J	0	-2007	59	19	0	15	-1								Tipo di acciaio non contemplato
1K	0	-2007	57	-19	0	-15	0								Tipo di acciaio non contemplato
1L	0	-2007	59	-19	0	-15	-1								Tipo di acciaio non contemplato
1M	0	2219	57	19	0	15	0								Tipo di acciaio non contemplato
1N	0	2219	59	19	0	15	-1								Tipo di acciaio non contemplato
1O	0	2219	57	-19	0	-15	0								Tipo di acciaio non contemplato
1P	0	2219	59	-19	0	-15	-1								Tipo di acciaio non contemplato
2	0	843	427	-5	0	-4	-7								Tipo di acciaio non contemplato
7	0	754	321	-5	0	-4	-5								Tipo di acciaio non contemplato
8	0	607	321	-3	0	-2	-5								Tipo di acciaio non contemplato
1A	75	-837	-5	8	0	0	21								Tipo di acciaio non contemplato
1B	75	-837	-2	8	0	0	20								Tipo di acciaio non contemplato
1C	75	-837	-5	-8	0	0	21								Tipo di acciaio non contemplato
1D	75	-837	-2	-8	0	0	20								Tipo di acciaio non contemplato
1E	75	1050	-5	8	0	0	21								Tipo di acciaio non contemplato
1F	75	1050	-2	8	0	0	20								Tipo di acciaio non contemplato
1G	75	1050	-5	-8	0	0	21								Tipo di acciaio non contemplato
1H	75	1050	-2	-8	0	0	20								Tipo di acciaio non contemplato
1I	75	-2007	-5	19	0	0	21								Tipo di acciaio non contemplato
1J	75	-2007	-2	19	0	0	20								Tipo di acciaio non contemplato
1K	75	-2007	-5	-19	0	0	21								Tipo di acciaio non contemplato
1L	75	-2007	-2	-19	0	0	20								Tipo di acciaio non contemplato
1M	75	2219	-5	19	0	0	21								Tipo di acciaio non contemplato
1N	75	2219	-2	19	0	0	20								Tipo di acciaio non contemplato
1O	75	2219	-5	-19	0	0	21								Tipo di acciaio non contemplato
1P	75	2219	-2	-19	0	0	20								Tipo di acciaio non contemplato
2	75	843	-16	-5	0	0	147								Tipo di acciaio non contemplato
7	75	754	-12	-5	0	0	111								Tipo di acciaio non contemplato
8	75	607	-12	-3	0	0	111								Tipo di acciaio non contemplato
1A	150	-837	-66	8	0	-5	-6								Tipo di acciaio non contemplato
1B	150	-837	-63	8	0	-5	-4								Tipo di acciaio non contemplato
1C	150	-837	-66	-8	0	6	-6								Tipo di acciaio non contemplato
1D	150	-837	-63	-8	0	6	-4								Tipo di acciaio non contemplato
1E	150	1050	-66	8	0	-5	-6								Tipo di acciaio non contemplato
1F	150	1050	-63	8	0	-5	-4								Tipo di acciaio non contemplato
1G	150	1050	-66	-8	0	6	-6								Tipo di acciaio non contemplato
1H	150	1050	-63	-8	0	6	-4								Tipo di acciaio non contemplato
1I	150	-2007	-66	19	0	-14	-6								Tipo di acciaio non contemplato

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1J	150	-2007	-64	19	0	-14	-4								Tipo di acciaio non contemplato
1K	150	-2007	-66	-19	0	14	-6								Tipo di acciaio non contemplato
1L	150	-2007	-64	-19	0	14	-4								Tipo di acciaio non contemplato
1M	150	2219	-66	19	0	-14	-6								Tipo di acciaio non contemplato
1N	150	2219	-64	19	0	-14	-4								Tipo di acciaio non contemplato
1O	150	2219	-66	-19	0	14	-6								Tipo di acciaio non contemplato
1P	150	2219	-64	-19	0	14	-4								Tipo di acciaio non contemplato
2	150	843	-459	-5	0	3	-31								Tipo di acciaio non contemplato
7	150	754	-346	-5	0	4	-24								Tipo di acciaio non contemplato
8	150	607	-346	-3	0	2	-24								Tipo di acciaio non contemplato

ASTA NUM. 23 NI 779 NF 769 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-959	64	10	0	7	-4								Tipo di acciaio non contemplato
1B	0	-959	66	10	0	7	-7								Tipo di acciaio non contemplato
1C	0	-959	64	-10	0	-7	-4								Tipo di acciaio non contemplato
1D	0	-959	66	-10	0	-7	-7								Tipo di acciaio non contemplato
1E	0	1143	64	10	0	7	-4								Tipo di acciaio non contemplato
1F	0	1143	66	10	0	7	-7								Tipo di acciaio non contemplato
1G	0	1143	64	-10	0	-7	-4								Tipo di acciaio non contemplato
1H	0	1143	66	-10	0	-7	-7								Tipo di acciaio non contemplato
1I	0	-2240	63	21	0	15	-3								Tipo di acciaio non contemplato
1J	0	-2240	67	21	0	15	-7								Tipo di acciaio non contemplato
1K	0	-2240	63	-21	0	-15	-3								Tipo di acciaio non contemplato
1L	0	-2240	67	-21	0	-15	-7								Tipo di acciaio non contemplato
1M	0	2424	63	21	0	15	-3								Tipo di acciaio non contemplato
1N	0	2424	67	21	0	15	-7								Tipo di acciaio non contemplato
1O	0	2424	63	-21	0	-15	-3								Tipo di acciaio non contemplato
1P	0	2424	67	-21	0	-15	-7								Tipo di acciaio non contemplato
2	0	-132	460	-4	0	-3	-31								Tipo di acciaio non contemplato
7	0	-270	348	-4	0	-3	-24								Tipo di acciaio non contemplato
8	0	-16	348	-3	0	-2	-24								Tipo di acciaio non contemplato
1A	75	-959	2	10	0	0	22								Tipo di acciaio non contemplato
1B	75	-959	5	10	0	0	19								Tipo di acciaio non contemplato
1C	75	-959	2	-10	0	0	22								Tipo di acciaio non contemplato
1D	75	-959	5	-10	0	0	19								Tipo di acciaio non contemplato
1E	75	1143	2	10	0	0	22								Tipo di acciaio non contemplato
1F	75	1143	5	10	0	0	19								Tipo di acciaio non contemplato
1G	75	1143	2	-10	0	0	22								Tipo di acciaio non contemplato
1H	75	1143	5	-10	0	0	19								Tipo di acciaio non contemplato
1I	75	-2240	1	21	0	0	20								Tipo di acciaio non contemplato
1J	75	-2240	6	21	0	0	21								Tipo di acciaio non contemplato
1K	75	-2240	1	-21	0	0	20								Tipo di acciaio non contemplato
1L	75	-2240	6	-21	0	0	21								Tipo di acciaio non contemplato
1M	75	2424	1	21	0	0	20								Tipo di acciaio non contemplato
1N	75	2424	6	21	0	0	21								Tipo di acciaio non contemplato
1O	75	2424	1	-21	0	0	20								Tipo di acciaio non contemplato
1P	75	2424	6	-21	0	0	21								Tipo di acciaio non contemplato
2	75	-132	17	-4	0	0	148								Tipo di acciaio non contemplato
7	75	-270	14	-4	0	0	111								Tipo di acciaio non contemplato
8	75	-16	14	-3	0	0	111								Tipo di acciaio non contemplato
1A	150	-959	-59	10	0	-8	2								Tipo di acciaio non contemplato
1B	150	-959	-57	10	0	-8	-2								Tipo di acciaio non contemplato
1C	150	-959	-59	-10	0	8	2								Tipo di acciaio non contemplato
1D	150	-959	-57	-10	0	8	-2								Tipo di acciaio non contemplato
1E	150	1143	-59	10	0	-8	2								Tipo di acciaio non contemplato
1F	150	1143	-57	10	0	-8	-2								Tipo di acciaio non contemplato
1G	150	1143	-59	-10	0	8	2								Tipo di acciaio non contemplato
1H	150	1143	-57	-10	0	8	-2								Tipo di acciaio non contemplato
1I	150	-2240	-60	21	0	-16	-2								Tipo di acciaio non contemplato
1J	150	-2240	-56	21	0	-16	2								Tipo di acciaio non contemplato
1K	150	-2240	-60	-21	0	17	-2								Tipo di acciaio non contemplato
1L	150	-2240	-56	-21	0	17	2								Tipo di acciaio non contemplato
1M	150	2424	-60	21	0	-16	-2								Tipo di acciaio non contemplato
1N	150	2424	-56	21	0	-16	2								Tipo di acciaio non contemplato
1O	150	2424	-60	-21	0	17	-2								Tipo di acciaio non contemplato
1P	150	2424	-56	-21	0	17	2								Tipo di acciaio non contemplato
2	150	-132	-425	-4	0	3	-5								Tipo di acciaio non contemplato
7	150	-270	-320	-4	0	3	-4								Tipo di acciaio non contemplato
8	150	-16	-320	-3	0	2	-4								Tipo di acciaio non contemplato

ASTA NUM. 24 NI 769 NF 752 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1135	62	3	0	3	2								Tipo di acciaio non contemplato
1B	0	-1135	63	3	0	3	-2								Tipo di acciaio non contemplato
1C	0	-1135	62	-2	0	-2	2								Tipo di acciaio non contemplato
1D	0	-1135	63	-2	0	-2	-2								Tipo di acciaio non contemplato
1E	0	1176	62	3	0	3	2								Tipo di acciaio non contemplato

1F	0	1176	63	3	0	3	-2	Tipo di acciaio non contemplato
1G	0	1176	62	-2	0	-2	2	Tipo di acciaio non contemplato
1H	0	1176	63	-2	0	-2	-2	Tipo di acciaio non contemplato
1I	0	-2524	61	4	0	4	2	Tipo di acciaio non contemplato
1J	0	-2524	63	4	0	4	-2	Tipo di acciaio non contemplato
1K	0	-2524	61	-3	0	-3	2	Tipo di acciaio non contemplato
1L	0	-2524	63	-3	0	-3	-2	Tipo di acciaio non contemplato
1M	0	2565	61	4	0	4	2	Tipo di acciaio non contemplato
1N	0	2565	63	4	0	4	-2	Tipo di acciaio non contemplato
1O	0	2565	61	-3	0	-3	2	Tipo di acciaio non contemplato
1P	0	2565	63	-3	0	-3	-2	Tipo di acciaio non contemplato
2	0	-418	449	3	0	2	-8	Tipo di acciaio non contemplato
7	0	-447	339	3	0	2	-6	Tipo di acciaio non contemplato
8	0	-254	339	2	0	2	-6	Tipo di acciaio non contemplato
1A	75	-1135	0	3	0	0	25	Tipo di acciaio non contemplato
1B	75	-1135	1	3	0	0	22	Tipo di acciaio non contemplato
1C	75	-1135	0	-2	0	0	25	Tipo di acciaio non contemplato
1D	75	-1135	1	-2	0	0	22	Tipo di acciaio non contemplato
1E	75	1176	0	3	0	0	25	Tipo di acciaio non contemplato
1F	75	1176	1	3	0	0	22	Tipo di acciaio non contemplato
1G	75	1176	0	-2	0	0	25	Tipo di acciaio non contemplato
1H	75	1176	1	-2	0	0	22	Tipo di acciaio non contemplato
1I	75	-2524	-0	4	0	0	25	Tipo di acciaio non contemplato
1J	75	-2524	1	4	0	0	22	Tipo di acciaio non contemplato
1K	75	-2524	-0	-3	0	0	25	Tipo di acciaio non contemplato
1L	75	-2524	1	-3	0	0	22	Tipo di acciaio non contemplato
1M	75	2565	-0	4	0	0	25	Tipo di acciaio non contemplato
1N	75	2565	1	4	0	0	22	Tipo di acciaio non contemplato
1O	75	2565	-0	-3	0	0	25	Tipo di acciaio non contemplato
1P	75	2565	1	-3	0	0	22	Tipo di acciaio non contemplato
2	75	-418	6	3	0	0	163	Tipo di acciaio non contemplato
7	75	-447	5	3	0	0	123	Tipo di acciaio non contemplato
8	75	-254	5	2	0	0	123	Tipo di acciaio non contemplato
1A	150	-1135	-61	3	0	-2	2	Tipo di acciaio non contemplato
1B	150	-1135	-60	3	0	-2	0	Tipo di acciaio non contemplato
1C	150	-1135	-61	-2	0	1	2	Tipo di acciaio non contemplato
1D	150	-1135	-60	-2	0	1	0	Tipo di acciaio non contemplato
1E	150	1176	-61	3	0	-2	2	Tipo di acciaio non contemplato
1F	150	1176	-60	3	0	-2	0	Tipo di acciaio non contemplato
1G	150	1176	-61	-2	0	1	2	Tipo di acciaio non contemplato
1H	150	1176	-60	-2	0	1	0	Tipo di acciaio non contemplato
1I	150	-2524	-62	4	0	-2	1	Tipo di acciaio non contemplato
1J	150	-2524	-60	4	0	-2	0	Tipo di acciaio non contemplato
1K	150	-2524	-62	-3	0	1	1	Tipo di acciaio non contemplato
1L	150	-2524	-60	-3	0	1	0	Tipo di acciaio non contemplato
1M	150	2565	-62	4	0	-2	1	Tipo di acciaio non contemplato
1N	150	2565	-60	4	0	-2	0	Tipo di acciaio non contemplato
1O	150	2565	-62	-3	0	1	1	Tipo di acciaio non contemplato
1P	150	2565	-60	-3	0	1	0	Tipo di acciaio non contemplato
2	150	-418	-436	3	0	-2	2	Tipo di acciaio non contemplato
7	150	-447	-329	3	0	-2	2	Tipo di acciaio non contemplato
8	150	-254	-329	2	0	-2	2	Tipo di acciaio non contemplato

ASTA NUM. 25 NI 808 NF 800 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-504	58	6	0	4	0								Tipo di acciaio non contemplato
1B	0	-504	60	6	0	4	0								Tipo di acciaio non contemplato
1C	0	-504	58	-5	0	-4	0								Tipo di acciaio non contemplato
1D	0	-504	60	-5	0	-4	0								Tipo di acciaio non contemplato
1E	0	482	58	6	0	4	0								Tipo di acciaio non contemplato
1F	0	482	60	6	0	4	0								Tipo di acciaio non contemplato
1G	0	482	58	-5	0	-4	0								Tipo di acciaio non contemplato
1H	0	482	60	-5	0	-4	0								Tipo di acciaio non contemplato
1I	0	-817	58	10	0	7	0								Tipo di acciaio non contemplato
1J	0	-817	60	10	0	7	0								Tipo di acciaio non contemplato
1K	0	-817	58	-9	0	-7	0								Tipo di acciaio non contemplato
1L	0	-817	60	-9	0	-7	0								Tipo di acciaio non contemplato
1M	0	795	58	10	0	7	0								Tipo di acciaio non contemplato
1N	0	795	60	10	0	7	0								Tipo di acciaio non contemplato
1O	0	795	58	-9	0	-7	0								Tipo di acciaio non contemplato
1P	0	795	60	-9	0	-7	0								Tipo di acciaio non contemplato
2	0	76	428	-1	0	0	-4								Tipo di acciaio non contemplato
7	0	162	323	-2	0	-1	-3								Tipo di acciaio non contemplato
8	0	29	323	-0	0	0	-3								Tipo di acciaio non contemplato
1A	75	-504	-3	6	0	0	21								Tipo di acciaio non contemplato
1B	75	-504	-2	6	0	0	20								Tipo di acciaio non contemplato
1C	75	-504	-3	-5	0	0	21								Tipo di acciaio non contemplato
1D	75	-504	-2	-5	0	0	20								Tipo di acciaio non contemplato
1E	75	482	-3	6	0	0	21								Tipo di acciaio non contemplato
1F	75	482	-2	6	0	0	20								Tipo di acciaio non contemplato
1G	75	482	-3	-5	0	0	21								Tipo di acciaio non contemplato
1H	75	482	-2	-5	0	0	20								Tipo di acciaio non contemplato
1I	75	-817	-3	10	0	0	21								Tipo di acciaio non contemplato
1J	75	-817	-2	10	0	0	20								Tipo di acciaio non contemplato
1K	75	-817	-3	-9	0	0	21								Tipo di acciaio non contemplato
1L	75	-817	-2	-9	0	0	20								Tipo di acciaio non contemplato

1M	75	795	-3	10	0	0	21	Tipo di acciaio non contemplato
1N	75	795	-2	10	0	0	20	Tipo di acciaio non contemplato
1O	75	795	-3	-9	0	0	21	Tipo di acciaio non contemplato
1P	75	795	-2	-9	0	0	20	Tipo di acciaio non contemplato
2	75	76	-15	-1	0	0	151	Tipo di acciaio non contemplato
7	75	162	-11	-2	0	0	114	Tipo di acciaio non contemplato
8	75	29	-11	-0	0	0	114	Tipo di acciaio non contemplato
1A	150	-504	-65	6	0	-4	-3	Tipo di acciaio non contemplato
1B	150	-504	-63	6	0	-4	-5	Tipo di acciaio non contemplato
1C	150	-504	-65	-5	0	4	-3	Tipo di acciaio non contemplato
1D	150	-504	-63	-5	0	4	-5	Tipo di acciaio non contemplato
1E	150	482	-65	6	0	-4	-3	Tipo di acciaio non contemplato
1F	150	482	-63	6	0	-4	-5	Tipo di acciaio non contemplato
1G	150	482	-65	-5	0	4	-3	Tipo di acciaio non contemplato
1H	150	482	-63	-5	0	4	-5	Tipo di acciaio non contemplato
1I	150	-817	-65	10	0	-8	-3	Tipo di acciaio non contemplato
1J	150	-817	-63	10	0	-8	-5	Tipo di acciaio non contemplato
1K	150	-817	-65	-9	0	7	-3	Tipo di acciaio non contemplato
1L	150	-817	-63	-9	0	7	-5	Tipo di acciaio non contemplato
1M	150	795	-65	10	0	-8	-3	Tipo di acciaio non contemplato
1N	150	795	-63	10	0	-8	-5	Tipo di acciaio non contemplato
1O	150	795	-65	-9	0	7	-3	Tipo di acciaio non contemplato
1P	150	795	-63	-9	0	7	-5	Tipo di acciaio non contemplato
2	150	76	-458	-1	0	0	-26	Tipo di acciaio non contemplato
7	150	162	-345	-2	0	1	-20	Tipo di acciaio non contemplato
8	150	29	-345	-0	0	0	-20	Tipo di acciaio non contemplato

ASTA NUM. 26 NI 800 NF 790 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-572	62	3	0	2	0								Tipo di acciaio non contemplato
1B	0	-572	64	3	0	2	-4								Tipo di acciaio non contemplato
1C	0	-572	62	-2	0	-2	0								Tipo di acciaio non contemplato
1D	0	-572	64	-2	0	-2	-4								Tipo di acciaio non contemplato
1E	0	683	62	3	0	2	0								Tipo di acciaio non contemplato
1F	0	683	64	3	0	2	-4								Tipo di acciaio non contemplato
1G	0	683	62	-2	0	-2	0								Tipo di acciaio non contemplato
1H	0	683	64	-2	0	-2	-4								Tipo di acciaio non contemplato
1I	0	-1231	62	5	0	3	-1								Tipo di acciaio non contemplato
1J	0	-1231	65	5	0	3	-4								Tipo di acciaio non contemplato
1K	0	-1231	62	-4	0	-3	-1								Tipo di acciaio non contemplato
1L	0	-1231	65	-4	0	-3	-4								Tipo di acciaio non contemplato
1M	0	1342	62	5	0	3	-1								Tipo di acciaio non contemplato
1N	0	1342	65	5	0	3	-4								Tipo di acciaio non contemplato
1O	0	1342	62	-4	0	-3	-1								Tipo di acciaio non contemplato
1P	0	1342	65	-4	0	-3	-4								Tipo di acciaio non contemplato
2	0	-170	450	3	0	2	-18								Tipo di acciaio non contemplato
7	0	-153	339	2	0	2	-14								Tipo di acciaio non contemplato
8	0	-83	339	2	0	1	-14								Tipo di acciaio non contemplato
1A	75	-572	1	3	0	0	24								Tipo di acciaio non contemplato
1B	75	-572	3	3	0	0	20								Tipo di acciaio non contemplato
1C	75	-572	1	-2	0	0	24								Tipo di acciaio non contemplato
1D	75	-572	3	-2	0	0	20								Tipo di acciaio non contemplato
1E	75	683	1	3	0	0	24								Tipo di acciaio non contemplato
1F	75	683	3	3	0	0	20								Tipo di acciaio non contemplato
1G	75	683	1	-2	0	0	24								Tipo di acciaio non contemplato
1H	75	683	3	-2	0	0	20								Tipo di acciaio non contemplato
1I	75	-1231	0	5	0	0	22								Tipo di acciaio non contemplato
1J	75	-1231	3	5	0	0	22								Tipo di acciaio non contemplato
1K	75	-1231	0	-4	0	0	22								Tipo di acciaio non contemplato
1L	75	-1231	3	-4	0	0	22								Tipo di acciaio non contemplato
1M	75	1342	0	5	0	0	22								Tipo di acciaio non contemplato
1N	75	1342	3	5	0	0	22								Tipo di acciaio non contemplato
1O	75	1342	0	-4	0	0	22								Tipo di acciaio non contemplato
1P	75	1342	3	-4	0	0	22								Tipo di acciaio non contemplato
2	75	-170	7	3	0	0	153								Tipo di acciaio non contemplato
7	75	-153	5	2	0	0	115								Tipo di acciaio non contemplato
8	75	-83	5	2	0	0	115								Tipo di acciaio non contemplato
1A	150	-572	-61	3	0	-2	2								Tipo di acciaio non contemplato
1B	150	-572	-59	3	0	-2	-2								Tipo di acciaio non contemplato
1C	150	-572	-61	-2	0	2	2								Tipo di acciaio non contemplato
1D	150	-572	-59	-2	0	2	-2								Tipo di acciaio non contemplato
1E	150	683	-61	3	0	-2	2								Tipo di acciaio non contemplato
1F	150	683	-59	3	0	-2	-2								Tipo di acciaio non contemplato
1G	150	683	-61	-2	0	2	2								Tipo di acciaio non contemplato
1H	150	683	-59	-2	0	2	-2								Tipo di acciaio non contemplato
1I	150	-1231	-61	5	0	-4	-2								Tipo di acciaio non contemplato
1J	150	-1231	-58	5	0	-4	1								Tipo di acciaio non contemplato
1K	150	-1231	-61	-4	0	3	-2								Tipo di acciaio non contemplato
1L	150	-1231	-58	-4	0	3	1								Tipo di acciaio non contemplato
1M	150	1342	-61	5	0	-4	-2								Tipo di acciaio non contemplato
1N	150	1342	-58	5	0	-4	1								Tipo di acciaio non contemplato
1O	150	1342	-61	-4	0	3	-2								Tipo di acciaio non contemplato
1P	150	1342	-58	-4	0	3	1								Tipo di acciaio non contemplato
2	150	-170	-436	3	0	-2	-8								Tipo di acciaio non contemplato
7	150	-153	-329	2	0	-2	-6								Tipo di acciaio non contemplato
8	150	-83	-329	2	0	-2	-6								Tipo di acciaio non contemplato

ASTA NUM. 27 NI 790 NF 780 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-935	56	9	0	7	2								Tipo di acciaio non contemplato
1B	0	-935	60	9	0	7	-2								Tipo di acciaio non contemplato
1C	0	-935	56	-10	0	-8	2								Tipo di acciaio non contemplato
1D	0	-935	60	-10	0	-8	-2								Tipo di acciaio non contemplato
1E	0	1394	56	9	0	7	2								Tipo di acciaio non contemplato
1F	0	1394	60	9	0	7	-2								Tipo di acciaio non contemplato
1G	0	1394	56	-10	0	-8	2								Tipo di acciaio non contemplato
1H	0	1394	60	-10	0	-8	-2								Tipo di acciaio non contemplato
1I	0	-2093	57	19	0	15	1								Tipo di acciaio non contemplato
1J	0	-2093	59	19	0	15	-1								Tipo di acciaio non contemplato
1K	0	-2093	57	-20	0	-15	1								Tipo di acciaio non contemplato
1L	0	-2093	59	-20	0	-15	-1								Tipo di acciaio non contemplato
1M	0	2551	57	19	0	15	1								Tipo di acciaio non contemplato
1N	0	2551	59	19	0	15	-1								Tipo di acciaio non contemplato
1O	0	2551	57	-20	0	-15	1								Tipo di acciaio non contemplato
1P	0	2551	59	-20	0	-15	-1								Tipo di acciaio non contemplato
2	0	303	428	-5	0	-4	-8								Tipo di acciaio non contemplato
7	0	152	322	-5	0	-4	-5								Tipo di acciaio non contemplato
8	0	331	322	-3	0	-3	-5								Tipo di acciaio non contemplato
1A	75	-935	-5	9	0	0	21								Tipo di acciaio non contemplato
1B	75	-935	-2	9	0	0	20								Tipo di acciaio non contemplato
1C	75	-935	-5	-10	0	0	21								Tipo di acciaio non contemplato
1D	75	-935	-2	-10	0	0	20								Tipo di acciaio non contemplato
1E	75	1394	-5	9	0	0	21								Tipo di acciaio non contemplato
1F	75	1394	-2	9	0	0	20								Tipo di acciaio non contemplato
1G	75	1394	-5	-10	0	0	21								Tipo di acciaio non contemplato
1H	75	1394	-2	-10	0	0	20								Tipo di acciaio non contemplato
1I	75	-2093	-5	19	0	0	21								Tipo di acciaio non contemplato
1J	75	-2093	-2	19	0	0	20								Tipo di acciaio non contemplato
1K	75	-2093	-5	-20	0	0	21								Tipo di acciaio non contemplato
1L	75	-2093	-2	-20	0	0	20								Tipo di acciaio non contemplato
1M	75	2551	-5	19	0	0	21								Tipo di acciaio non contemplato
1N	75	2551	-2	19	0	0	20								Tipo di acciaio non contemplato
1O	75	2551	-5	-20	0	0	21								Tipo di acciaio non contemplato
1P	75	2551	-2	-20	0	0	20								Tipo di acciaio non contemplato
2	75	303	-15	-5	0	0	147								Tipo di acciaio non contemplato
7	75	152	-12	-5	0	0	111								Tipo di acciaio non contemplato
8	75	331	-12	-3	0	0	111								Tipo di acciaio non contemplato
1A	150	-935	-67	9	0	-7	-6								Tipo di acciaio non contemplato
1B	150	-935	-63	9	0	-7	-4								Tipo di acciaio non contemplato
1C	150	-935	-67	-10	0	7	-6								Tipo di acciaio non contemplato
1D	150	-935	-63	-10	0	7	-4								Tipo di acciaio non contemplato
1E	150	1394	-67	9	0	-7	-6								Tipo di acciaio non contemplato
1F	150	1394	-63	9	0	-7	-4								Tipo di acciaio non contemplato
1G	150	1394	-67	-10	0	7	-6								Tipo di acciaio non contemplato
1H	150	1394	-63	-10	0	7	-4								Tipo di acciaio non contemplato
1I	150	-2093	-66	19	0	-14	-6								Tipo di acciaio non contemplato
1J	150	-2093	-64	19	0	-14	-4								Tipo di acciaio non contemplato
1K	150	-2093	-66	-20	0	14	-6								Tipo di acciaio non contemplato
1L	150	-2093	-64	-20	0	14	-4								Tipo di acciaio non contemplato
1M	150	2551	-66	19	0	-14	-6								Tipo di acciaio non contemplato
1N	150	2551	-64	19	0	-14	-4								Tipo di acciaio non contemplato
1O	150	2551	-66	-20	0	14	-6								Tipo di acciaio non contemplato
1P	150	2551	-64	-20	0	14	-4								Tipo di acciaio non contemplato
2	150	303	-458	-5	0	4	-30								Tipo di acciaio non contemplato
7	150	152	-346	-5	0	4	-23								Tipo di acciaio non contemplato
8	150	331	-346	-3	0	3	-23								Tipo di acciaio non contemplato

ASTA NUM. 28 NI 780 NF 770 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-661	64	9	0	6	-3								Tipo di acciaio non contemplato
1B	0	-661	65	9	0	6	-7								Tipo di acciaio non contemplato
1C	0	-661	64	-8	0	-6	-3								Tipo di acciaio non contemplato
1D	0	-661	65	-8	0	-6	-7								Tipo di acciaio non contemplato
1E	0	1068	64	9	0	6	-3								Tipo di acciaio non contemplato
1F	0	1068	65	9	0	6	-7								Tipo di acciaio non contemplato
1G	0	1068	64	-8	0	-6	-3								Tipo di acciaio non contemplato
1H	0	1068	65	-8	0	-6	-7								Tipo di acciaio non contemplato
1I	0	-1866	63	21	0	15	-3								Tipo di acciaio non contemplato
1J	0	-1866	66	21	0	15	-7								Tipo di acciaio non contemplato
1K	0	-1866	63	-20	0	-14	-3								Tipo di acciaio non contemplato
1L	0	-1866	66	-20	0	-14	-7								Tipo di acciaio non contemplato
1M	0	2273	63	21	0	15	-3								Tipo di acciaio non contemplato
1N	0	2273	66	21	0	15	-7								Tipo di acciaio non contemplato
1O	0	2273	63	-20	0	-14	-3								Tipo di acciaio non contemplato

1P	0	2273	66	-20	0	-14	-7							Tipo di acciaio non contemplato
2	0	1100	458	-2	0	-1	-30							Tipo di acciaio non contemplato
7	0	1026	346	-2	0	-2	-23							Tipo di acciaio non contemplato
8	0	815	346	-1	0	0	-23							Tipo di acciaio non contemplato
1A	75	-661	2	9	0	0	22							Tipo di acciaio non contemplato
1B	75	-661	4	9	0	0	18							Tipo di acciaio non contemplato
1C	75	-661	2	-8	0	0	22							Tipo di acciaio non contemplato
1D	75	-661	4	-8	0	0	18							Tipo di acciaio non contemplato
1E	75	1068	2	9	0	0	22							Tipo di acciaio non contemplato
1F	75	1068	4	9	0	0	18							Tipo di acciaio non contemplato
1G	75	1068	2	-8	0	0	22							Tipo di acciaio non contemplato
1H	75	1068	4	-8	0	0	18							Tipo di acciaio non contemplato
1I	75	-1866	1	21	0	0	20							Tipo di acciaio non contemplato
1J	75	-1866	5	21	0	0	20							Tipo di acciaio non contemplato
1K	75	-1866	1	-20	0	0	20							Tipo di acciaio non contemplato
1L	75	-1866	5	-20	0	0	20							Tipo di acciaio non contemplato
1M	75	2273	1	21	0	0	20							Tipo di acciaio non contemplato
1N	75	2273	5	21	0	0	20							Tipo di acciaio non contemplato
1O	75	2273	1	-20	0	0	20							Tipo di acciaio non contemplato
1P	75	2273	5	-20	0	0	20							Tipo di acciaio non contemplato
2	75	1100	15	-2	0	0	147							Tipo di acciaio non contemplato
7	75	1026	12	-2	0	0	111							Tipo di acciaio non contemplato
8	75	815	12	-1	0	0	111							Tipo di acciaio non contemplato
1A	150	-661	-59	9	0	-7	1							Tipo di acciaio non contemplato
1B	150	-661	-58	9	0	-7	-3							Tipo di acciaio non contemplato
1C	150	-661	-59	-8	0	6	1							Tipo di acciaio non contemplato
1D	150	-661	-58	-8	0	6	-3							Tipo di acciaio non contemplato
1E	150	1068	-59	9	0	-7	1							Tipo di acciaio non contemplato
1F	150	1068	-58	9	0	-7	-3							Tipo di acciaio non contemplato
1G	150	1068	-59	-8	0	6	1							Tipo di acciaio non contemplato
1H	150	1068	-58	-8	0	6	-3							Tipo di acciaio non contemplato
1I	150	-1866	-60	21	0	-17	-3							Tipo di acciaio non contemplato
1J	150	-1866	-57	21	0	-17	1							Tipo di acciaio non contemplato
1K	150	-1866	-60	-20	0	16	-3							Tipo di acciaio non contemplato
1L	150	-1866	-57	-20	0	16	1							Tipo di acciaio non contemplato
1M	150	2273	-60	21	0	-17	-3							Tipo di acciaio non contemplato
1N	150	2273	-57	21	0	-17	1							Tipo di acciaio non contemplato
1O	150	2273	-60	-20	0	16	-3							Tipo di acciaio non contemplato
1P	150	2273	-57	-20	0	16	1							Tipo di acciaio non contemplato
2	150	1100	-428	-2	0	2	-8							Tipo di acciaio non contemplato
7	150	1026	-322	-2	0	2	-6							Tipo di acciaio non contemplato
8	150	815	-322	-1	0	0	-6							Tipo di acciaio non contemplato

ASTA NUM. 29 NI 770 NF 751 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-777	62	2	0	2	0								Tipo di acciaio non contemplato
1B	0	-777	63	2	0	2	-3								Tipo di acciaio non contemplato
1C	0	-777	62	-3	0	-2	0								Tipo di acciaio non contemplato
1D	0	-777	63	-3	0	-2	-3								Tipo di acciaio non contemplato
1E	0	895	62	2	0	2	0								Tipo di acciaio non contemplato
1F	0	895	63	2	0	2	-3								Tipo di acciaio non contemplato
1G	0	895	62	-3	0	-2	0								Tipo di acciaio non contemplato
1H	0	895	63	-3	0	-2	-3								Tipo di acciaio non contemplato
1I	0	-2222	62	3	0	3	0								Tipo di acciaio non contemplato
1J	0	-2222	63	3	0	3	-3								Tipo di acciaio non contemplato
1K	0	-2222	62	-4	0	-4	0								Tipo di acciaio non contemplato
1L	0	-2222	63	-4	0	-4	-3								Tipo di acciaio non contemplato
1M	0	2340	62	3	0	3	0								Tipo di acciaio non contemplato
1N	0	2340	63	3	0	3	-3								Tipo di acciaio non contemplato
1O	0	2340	62	-4	0	-4	0								Tipo di acciaio non contemplato
1P	0	2340	63	-4	0	-4	-3								Tipo di acciaio non contemplato
2	0	480	450	-2	0	-1	-10								Tipo di acciaio non contemplato
7	0	503	340	-1	0	0	-8								Tipo di acciaio non contemplato
8	0	334	340	-1	0	0	-8								Tipo di acciaio non contemplato
1A	75	-777	0	2	0	0	24								Tipo di acciaio non contemplato
1B	75	-777	2	2	0	0	21								Tipo di acciaio non contemplato
1C	75	-777	0	-3	0	0	24								Tipo di acciaio non contemplato
1D	75	-777	2	-3	0	0	21								Tipo di acciaio non contemplato
1E	75	895	0	2	0	0	24								Tipo di acciaio non contemplato
1F	75	895	2	2	0	0	21								Tipo di acciaio non contemplato
1G	75	895	0	-3	0	0	24								Tipo di acciaio non contemplato
1H	75	895	2	-3	0	0	21								Tipo di acciaio non contemplato
1I	75	-2222	0	3	0	0	23								Tipo di acciaio non contemplato
1J	75	-2222	2	3	0	0	22								Tipo di acciaio non contemplato
1K	75	-2222	0	-4	0	0	23								Tipo di acciaio non contemplato
1L	75	-2222	2	-4	0	0	22								Tipo di acciaio non contemplato
1M	75	2340	0	3	0	0	23								Tipo di acciaio non contemplato
1N	75	2340	2	3	0	0	22								Tipo di acciaio non contemplato
1O	75	2340	0	-4	0	0	23								Tipo di acciaio non contemplato
1P	75	2340	2	-4	0	0	22								Tipo di acciaio non contemplato
2	75	480	7	-2	0	0	161								Tipo di acciaio non contemplato
7	75	503	6	-1	0	0	122								Tipo di acciaio non contemplato
8	75	334	6	-1	0	0	122								Tipo di acciaio non contemplato
1A	150	-777	-61	2	0	-1	1								Tipo di acciaio non contemplato
1B	150	-777	-60	2	0	-1	0								Tipo di acciaio non contemplato

1C	150	-777	-61	-3	0	2	1							Tipo di acciaio non contemplato
1D	150	-777	-60	-3	0	2	0							Tipo di acciaio non contemplato
1E	150	895	-61	2	0	-1	1							Tipo di acciaio non contemplato
1F	150	895	-60	2	0	-1	0							Tipo di acciaio non contemplato
1G	150	895	-61	-3	0	2	1							Tipo di acciaio non contemplato
1H	150	895	-60	-3	0	2	0							Tipo di acciaio non contemplato
1I	150	-2222	-61	3	0	-1	0							Tipo di acciaio non contemplato
1J	150	-2222	-60	3	0	-1	0							Tipo di acciaio non contemplato
1K	150	-2222	-61	-4	0	2	0							Tipo di acciaio non contemplato
1L	150	-2222	-60	-4	0	2	0							Tipo di acciaio non contemplato
1M	150	2340	-61	3	0	-1	0							Tipo di acciaio non contemplato
1N	150	2340	-60	3	0	-1	0							Tipo di acciaio non contemplato
1O	150	2340	-61	-4	0	2	0							Tipo di acciaio non contemplato
1P	150	2340	-60	-4	0	2	0							Tipo di acciaio non contemplato
2	150	480	-435	-2	0	2	0							Tipo di acciaio non contemplato
7	150	503	-328	-1	0	1	0							Tipo di acciaio non contemplato
8	150	334	-328	-1	0	1	0							Tipo di acciaio non contemplato

ASTA NUM. 30 NI 801 NF 791 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-208	57	8	0	6	-3								Tipo di acciaio non contemplato
1B	0	-208	66	8	0	6	-7								Tipo di acciaio non contemplato
1C	0	-208	57	-7	0	-6	-3								Tipo di acciaio non contemplato
1D	0	-208	66	-7	0	-6	-7								Tipo di acciaio non contemplato
1E	0	183	57	8	0	6	-3								Tipo di acciaio non contemplato
1F	0	183	66	8	0	6	-7								Tipo di acciaio non contemplato
1G	0	183	57	-7	0	-6	-3								Tipo di acciaio non contemplato
1H	0	183	66	-7	0	-6	-7								Tipo di acciaio non contemplato
1I	0	-443	58	16	0	12	-3								Tipo di acciaio non contemplato
1J	0	-443	66	16	0	12	-6								Tipo di acciaio non contemplato
1K	0	-443	58	-15	0	-12	-3								Tipo di acciaio non contemplato
1L	0	-443	66	-15	0	-12	-6								Tipo di acciaio non contemplato
1M	0	418	58	16	0	12	-3								Tipo di acciaio non contemplato
1N	0	418	66	16	0	12	-6								Tipo di acciaio non contemplato
1O	0	418	58	-15	0	-12	-3								Tipo di acciaio non contemplato
1P	0	418	66	-15	0	-12	-6								Tipo di acciaio non contemplato
2	0	73	443	-2	0	-2	-25								Tipo di acciaio non contemplato
7	0	104	335	-3	0	-3	-20								Tipo di acciaio non contemplato
8	0	35	335	-1	0	0	-20								Tipo di acciaio non contemplato
1A	75	-208	-4	8	0	0	17								Tipo di acciaio non contemplato
1B	75	-208	5	8	0	0	20								Tipo di acciaio non contemplato
1C	75	-208	-4	-7	0	0	17								Tipo di acciaio non contemplato
1D	75	-208	5	-7	0	0	20								Tipo di acciaio non contemplato
1E	75	183	-4	8	0	0	17								Tipo di acciaio non contemplato
1F	75	183	5	8	0	0	20								Tipo di acciaio non contemplato
1G	75	183	-4	-7	0	0	17								Tipo di acciaio non contemplato
1H	75	183	5	-7	0	0	20								Tipo di acciaio non contemplato
1I	75	-443	-4	16	0	0	17								Tipo di acciaio non contemplato
1J	75	-443	4	16	0	0	20								Tipo di acciaio non contemplato
1K	75	-443	-4	-15	0	0	17								Tipo di acciaio non contemplato
1L	75	-443	4	-15	0	0	20								Tipo di acciaio non contemplato
1M	75	418	-4	16	0	0	17								Tipo di acciaio non contemplato
1N	75	418	4	16	0	0	20								Tipo di acciaio non contemplato
1O	75	418	-4	-15	0	0	17								Tipo di acciaio non contemplato
1P	75	418	4	-15	0	0	20								Tipo di acciaio non contemplato
2	75	73	1	-2	0	0	141								Tipo di acciaio non contemplato
7	75	104	1	-3	0	0	106								Tipo di acciaio non contemplato
8	75	35	1	-1	0	0	106								Tipo di acciaio non contemplato
1A	150	-208	-66	8	0	-6	-9								Tipo di acciaio non contemplato
1B	150	-208	-57	8	0	-6	0								Tipo di acciaio non contemplato
1C	150	-208	-66	-7	0	5	-9								Tipo di acciaio non contemplato
1D	150	-208	-57	-7	0	5	0								Tipo di acciaio non contemplato
1E	150	183	-66	8	0	-6	-9								Tipo di acciaio non contemplato
1F	150	183	-57	8	0	-6	0								Tipo di acciaio non contemplato
1G	150	183	-66	-7	0	5	-9								Tipo di acciaio non contemplato
1H	150	183	-57	-7	0	5	0								Tipo di acciaio non contemplato
1I	150	-443	-65	16	0	-12	-9								Tipo di acciaio non contemplato
1J	150	-443	-57	16	0	-12	0								Tipo di acciaio non contemplato
1K	150	-443	-65	-15	0	11	-9								Tipo di acciaio non contemplato
1L	150	-443	-57	-15	0	11	0								Tipo di acciaio non contemplato
1M	150	418	-65	16	0	-12	-9								Tipo di acciaio non contemplato
1N	150	418	-57	16	0	-12	0								Tipo di acciaio non contemplato
1O	150	418	-65	-15	0	11	-9								Tipo di acciaio non contemplato
1P	150	418	-57	-15	0	11	0								Tipo di acciaio non contemplato
2	150	73	-442	-2	0	2	-24								Tipo di acciaio non contemplato
7	150	104	-333	-3	0	3	-18								Tipo di acciaio non contemplato
8	150	35	-333	-1	0	0	-18								Tipo di acciaio non contemplato

ASTA NUM. 31 NI 791 NF 781 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-75	61	2	0	2	0							Tipo di acciaio non contemplato
1B	0	-75	81	2	0	2	-9							Tipo di acciaio non contemplato
1C	0	-75	61	-2	0	-1	0							Tipo di acciaio non contemplato
1D	0	-75	81	-2	0	-1	-9							Tipo di acciaio non contemplato
1E	0	96	61	2	0	2	0							Tipo di acciaio non contemplato
1F	0	96	81	2	0	2	-9							Tipo di acciaio non contemplato
1G	0	96	61	-2	0	-1	0							Tipo di acciaio non contemplato
1H	0	96	81	-2	0	-1	-9							Tipo di acciaio non contemplato
1I	0	-126	63	2	0	2	0							Tipo di acciaio non contemplato
1J	0	-126	79	2	0	2	-9							Tipo di acciaio non contemplato
1K	0	-126	63	-2	0	-1	0							Tipo di acciaio non contemplato
1L	0	-126	79	-2	0	-1	-9							Tipo di acciaio non contemplato
1M	0	148	63	2	0	2	0							Tipo di acciaio non contemplato
1N	0	148	79	2	0	2	-9							Tipo di acciaio non contemplato
1O	0	148	63	-2	0	-1	0							Tipo di acciaio non contemplato
1P	0	148	79	-2	0	-1	-9							Tipo di acciaio non contemplato
2	0	107	484	1	0	0	-25							Tipo di acciaio non contemplato
7	0	105	366	1	0	0	-19							Tipo di acciaio non contemplato
8	0	74	366	1	0	0	-19							Tipo di acciaio non contemplato
1A	75	-75	-1	2	0	0	23							Tipo di acciaio non contemplato
1B	75	-75	20	2	0	0	28							Tipo di acciaio non contemplato
1C	75	-75	-1	-2	0	0	23							Tipo di acciaio non contemplato
1D	75	-75	20	-2	0	0	28							Tipo di acciaio non contemplato
1E	75	96	-1	2	0	0	23							Tipo di acciaio non contemplato
1F	75	96	20	2	0	0	28							Tipo di acciaio non contemplato
1G	75	96	-1	-2	0	0	23							Tipo di acciaio non contemplato
1H	75	96	20	-2	0	0	28							Tipo di acciaio non contemplato
1I	75	-126	1	2	0	0	25							Tipo di acciaio non contemplato
1J	75	-126	17	2	0	0	27							Tipo di acciaio non contemplato
1K	75	-126	1	-2	0	0	25							Tipo di acciaio non contemplato
1L	75	-126	17	-2	0	0	27							Tipo di acciaio non contemplato
1M	75	148	1	2	0	0	25							Tipo di acciaio non contemplato
1N	75	148	17	2	0	0	27							Tipo di acciaio non contemplato
1O	75	148	1	-2	0	0	25							Tipo di acciaio non contemplato
1P	75	148	17	-2	0	0	27							Tipo di acciaio non contemplato
2	75	107	41	1	0	0	172							Tipo di acciaio non contemplato
7	75	105	32	1	0	0	130							Tipo di acciaio non contemplato
8	75	74	32	1	0	0	130							Tipo di acciaio non contemplato
1A	150	-75	-62	2	0	-2	0							Tipo di acciaio non contemplato
1B	150	-75	-42	2	0	-2	20							Tipo di acciaio non contemplato
1C	150	-75	-62	-2	0	2	0							Tipo di acciaio non contemplato
1D	150	-75	-42	-2	0	2	20							Tipo di acciaio non contemplato
1E	150	96	-62	2	0	-2	0							Tipo di acciaio non contemplato
1F	150	96	-42	2	0	-2	20							Tipo di acciaio non contemplato
1G	150	96	-62	-2	0	2	0							Tipo di acciaio non contemplato
1H	150	96	-42	-2	0	2	20							Tipo di acciaio non contemplato
1I	150	-126	-60	2	0	-2	3							Tipo di acciaio non contemplato
1J	150	-126	-44	2	0	-2	17							Tipo di acciaio non contemplato
1K	150	-126	-60	-2	0	2	3							Tipo di acciaio non contemplato
1L	150	-126	-44	-2	0	2	17							Tipo di acciaio non contemplato
1M	150	148	-60	2	0	-2	3							Tipo di acciaio non contemplato
1N	150	148	-44	2	0	-2	17							Tipo di acciaio non contemplato
1O	150	148	-60	-2	0	2	3							Tipo di acciaio non contemplato
1P	150	148	-44	-2	0	2	17							Tipo di acciaio non contemplato
2	150	107	-402	1	0	0	37							Tipo di acciaio non contemplato
7	150	105	-302	1	0	0	29							Tipo di acciaio non contemplato
8	150	74	-302	1	0	0	29							Tipo di acciaio non contemplato

ASTA NUM. 32 NI 781 NF 771 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-80	38	13	0	9	20								Tipo di acciaio non contemplato
1B	0	-80	53	13	0	9	0								Tipo di acciaio non contemplato
1C	0	-80	38	-13	0	-9	20								Tipo di acciaio non contemplato
1D	0	-80	53	-13	0	-9	0								Tipo di acciaio non contemplato
1E	0	147	38	13	0	9	20								Tipo di acciaio non contemplato
1F	0	147	53	13	0	9	0								Tipo di acciaio non contemplato
1G	0	147	38	-13	0	-9	20								Tipo di acciaio non contemplato
1H	0	147	53	-13	0	-9	0								Tipo di acciaio non contemplato
1I	0	-211	37	28	0	20	17								Tipo di acciaio non contemplato
1J	0	-211	54	28	0	20	3								Tipo di acciaio non contemplato
1K	0	-211	37	-28	0	-20	17								Tipo di acciaio non contemplato
1L	0	-211	54	-28	0	-20	3								Tipo di acciaio non contemplato
1M	0	278	37	28	0	20	17								Tipo di acciaio non contemplato
1N	0	278	54	28	0	20	3								Tipo di acciaio non contemplato
1O	0	278	37	-28	0	-20	17								Tipo di acciaio non contemplato
1P	0	278	54	-28	0	-20	3								Tipo di acciaio non contemplato
2	0	158	371	-6	0	-5	37								Tipo di acciaio non contemplato
7	0	132	279	-7	0	-5	29								Tipo di acciaio non contemplato
8	0	122	278	-4	0	-3	29								Tipo di acciaio non contemplato
1A	75	-80	-24	13	0	0	25								Tipo di acciaio non contemplato
1B	75	-80	-8	13	0	0	17								Tipo di acciaio non contemplato
1C	75	-80	-24	-13	0	0	25								Tipo di acciaio non contemplato
1D	75	-80	-8	-13	0	0	17								Tipo di acciaio non contemplato
1E	75	147	-24	13	0	0	25								Tipo di acciaio non contemplato

1F	75	147	-8	13	0	0	17	Tipo di acciaio non contemplato
1G	75	147	-24	-13	0	0	25	Tipo di acciaio non contemplato
1H	75	147	-8	-13	0	0	17	Tipo di acciaio non contemplato
1I	75	-211	-24	28	0	0	21	Tipo di acciaio non contemplato
1J	75	-211	-8	28	0	0	20	Tipo di acciaio non contemplato
1K	75	-211	-24	-28	0	0	21	Tipo di acciaio non contemplato
1L	75	-211	-8	-28	0	0	20	Tipo di acciaio non contemplato
1M	75	278	-24	28	0	0	21	Tipo di acciaio non contemplato
1N	75	278	-8	28	0	0	20	Tipo di acciaio non contemplato
1O	75	278	-24	-28	0	0	21	Tipo di acciaio non contemplato
1P	75	278	-8	-28	0	0	20	Tipo di acciaio non contemplato
2	75	158	-71	-6	0	0	149	Tipo di acciaio non contemplato
7	75	132	-55	-7	0	0	113	Tipo di acciaio non contemplato
8	75	122	-56	-4	0	0	113	Tipo di acciaio non contemplato
1A	150	-80	-85	13	0	-10	-17	Tipo di acciaio non contemplato
1B	150	-80	-70	13	0	-10	-12	Tipo di acciaio non contemplato
1C	150	-80	-85	-13	0	10	-17	Tipo di acciaio non contemplato
1D	150	-80	-70	-13	0	10	-12	Tipo di acciaio non contemplato
1E	150	147	-85	13	0	-10	-17	Tipo di acciaio non contemplato
1F	150	147	-70	13	0	-10	-12	Tipo di acciaio non contemplato
1G	150	147	-85	-13	0	10	-17	Tipo di acciaio non contemplato
1H	150	147	-70	-13	0	10	-12	Tipo di acciaio non contemplato
1I	150	-211	-86	28	0	-21	-20	Tipo di acciaio non contemplato
1J	150	-211	-69	28	0	-21	-9	Tipo di acciaio non contemplato
1K	150	-211	-86	-28	0	21	-20	Tipo di acciaio non contemplato
1L	150	-211	-69	-28	0	21	-9	Tipo di acciaio non contemplato
1M	150	278	-86	28	0	-21	-20	Tipo di acciaio non contemplato
1N	150	278	-69	28	0	-21	-9	Tipo di acciaio non contemplato
1O	150	278	-86	-28	0	21	-20	Tipo di acciaio non contemplato
1P	150	278	-69	-28	0	21	-9	Tipo di acciaio non contemplato
2	150	158	-514	-6	0	5	-70	Tipo di acciaio non contemplato
7	150	132	-389	-7	0	5	-54	Tipo di acciaio non contemplato
8	150	122	-390	-4	0	3	-55	Tipo di acciaio non contemplato

ASTA NUM. 33 NI 771 NF 761 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-258	68	12	0	9	-11								Tipo di acciaio non contemplato
1B	0	-258	88	12	0	9	-17								Tipo di acciaio non contemplato
1C	0	-258	68	-11	0	-8	-11								Tipo di acciaio non contemplato
1D	0	-258	88	-11	0	-8	-17								Tipo di acciaio non contemplato
1E	0	305	68	12	0	9	-11								Tipo di acciaio non contemplato
1F	0	305	88	12	0	9	-17								Tipo di acciaio non contemplato
1G	0	305	68	-11	0	-8	-11								Tipo di acciaio non contemplato
1H	0	305	88	-11	0	-8	-17								Tipo di acciaio non contemplato
1I	0	-672	67	29	0	22	-8								Tipo di acciaio non contemplato
1J	0	-672	88	29	0	22	-21								Tipo di acciaio non contemplato
1K	0	-672	67	-28	0	-21	-8								Tipo di acciaio non contemplato
1L	0	-672	88	-28	0	-21	-21								Tipo di acciaio non contemplato
1M	0	719	67	29	0	22	-8								Tipo di acciaio non contemplato
1N	0	719	88	29	0	22	-21								Tipo di acciaio non contemplato
1O	0	719	67	-28	0	-21	-8								Tipo di acciaio non contemplato
1P	0	719	88	-28	0	-21	-21								Tipo di acciaio non contemplato
2	0	320	518	-4	0	-3	-70								Tipo di acciaio non contemplato
7	0	311	392	-4	0	-3	-54								Tipo di acciaio non contemplato
8	0	218	392	-2	0	-2	-55								Tipo di acciaio non contemplato
1A	75	-258	6	12	0	0	16								Tipo di acciaio non contemplato
1B	75	-258	26	12	0	0	26								Tipo di acciaio non contemplato
1C	75	-258	6	-11	0	0	16								Tipo di acciaio non contemplato
1D	75	-258	26	-11	0	0	26								Tipo di acciaio non contemplato
1E	75	305	6	12	0	0	16								Tipo di acciaio non contemplato
1F	75	305	26	12	0	0	26								Tipo di acciaio non contemplato
1G	75	305	6	-11	0	0	16								Tipo di acciaio non contemplato
1H	75	305	26	-11	0	0	26								Tipo di acciaio non contemplato
1I	75	-672	5	29	0	0	19								Tipo di acciaio non contemplato
1J	75	-672	27	29	0	0	22								Tipo di acciaio non contemplato
1K	75	-672	5	-28	0	0	19								Tipo di acciaio non contemplato
1L	75	-672	27	-28	0	0	22								Tipo di acciaio non contemplato
1M	75	719	5	29	0	0	19								Tipo di acciaio non contemplato
1N	75	719	27	29	0	0	22								Tipo di acciaio non contemplato
1O	75	719	5	-28	0	0	19								Tipo di acciaio non contemplato
1P	75	719	27	-28	0	0	22								Tipo di acciaio non contemplato
2	75	320	75	-4	0	0	152								Tipo di acciaio non contemplato
7	75	311	58	-4	0	0	115								Tipo di acciaio non contemplato
8	75	218	59	-2	0	0	115								Tipo di acciaio non contemplato
1A	150	-258	-55	12	0	-9	-3								Tipo di acciaio non contemplato
1B	150	-258	-35	12	0	-9	22								Tipo di acciaio non contemplato
1C	150	-258	-55	-11	0	8	-3								Tipo di acciaio non contemplato
1D	150	-258	-35	-11	0	8	22								Tipo di acciaio non contemplato
1E	150	305	-55	12	0	-9	-3								Tipo di acciaio non contemplato
1F	150	305	-35	12	0	-9	22								Tipo di acciaio non contemplato
1G	150	305	-55	-11	0	8	-3								Tipo di acciaio non contemplato
1H	150	305	-35	-11	0	8	22								Tipo di acciaio non contemplato
1I	150	-672	-56	29	0	-21	0								Tipo di acciaio non contemplato
1J	150	-672	-35	29	0	-21	20								Tipo di acciaio non contemplato
1K	150	-672	-56	-28	0	21	0								Tipo di acciaio non contemplato
1L	150	-672	-35	-28	0	21	20								Tipo di acciaio non contemplato

1M	150	719	-56	29	0	-21	0							Tipo di acciaio non contemplato
1N	150	719	-35	29	0	-21	20							Tipo di acciaio non contemplato
1O	150	719	-56	-28	0	21	0							Tipo di acciaio non contemplato
1P	150	719	-35	-28	0	21	20							Tipo di acciaio non contemplato
2	150	320	-368	-4	0	3	42							Tipo di acciaio non contemplato
7	150	311	-276	-4	0	3	33							Tipo di acciaio non contemplato
8	150	218	-275	-2	0	2	33							Tipo di acciaio non contemplato

ASTA NUM. 34 NI 761 NF 760 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-99	46	1	0	1	22								Tipo di acciaio non contemplato
1B	0	-99	63	1	0	1	-2								Tipo di acciaio non contemplato
1C	0	-99	46	-2	0	-2	22								Tipo di acciaio non contemplato
1D	0	-99	63	-2	0	-2	-2								Tipo di acciaio non contemplato
1E	0	185	46	1	0	1	22								Tipo di acciaio non contemplato
1F	0	185	63	1	0	1	-2								Tipo di acciaio non contemplato
1G	0	185	46	-2	0	-2	22								Tipo di acciaio non contemplato
1H	0	185	63	-2	0	-2	-2								Tipo di acciaio non contemplato
1I	0	-346	47	1	0	1	19								Tipo di acciaio non contemplato
1J	0	-346	62	1	0	1	0								Tipo di acciaio non contemplato
1K	0	-346	47	-2	0	-2	19								Tipo di acciaio non contemplato
1L	0	-346	62	-2	0	-2	0								Tipo di acciaio non contemplato
1M	0	432	47	1	0	1	19								Tipo di acciaio non contemplato
1N	0	432	62	1	0	1	0								Tipo di acciaio non contemplato
1O	0	432	47	-2	0	-2	19								Tipo di acciaio non contemplato
1P	0	432	62	-2	0	-2	0								Tipo di acciaio non contemplato
2	0	254	412	-2	0	0	42								Tipo di acciaio non contemplato
7	0	236	310	-1	0	0	32								Tipo di acciaio non contemplato
8	0	187	310	-1	0	0	33								Tipo di acciaio non contemplato
1A	75	-99	-15	1	0	0	33								Tipo di acciaio non contemplato
1B	75	-99	2	1	0	0	22								Tipo di acciaio non contemplato
1C	75	-99	-15	-2	0	0	33								Tipo di acciaio non contemplato
1D	75	-99	2	-2	0	0	22								Tipo di acciaio non contemplato
1E	75	185	-15	1	0	0	33								Tipo di acciaio non contemplato
1F	75	185	2	1	0	0	22								Tipo di acciaio non contemplato
1G	75	185	-15	-2	0	0	33								Tipo di acciaio non contemplato
1H	75	185	2	-2	0	0	22								Tipo di acciaio non contemplato
1I	75	-346	-14	1	0	0	32								Tipo di acciaio non contemplato
1J	75	-346	0	1	0	0	24								Tipo di acciaio non contemplato
1K	75	-346	-14	-2	0	0	32								Tipo di acciaio non contemplato
1L	75	-346	0	-2	0	0	24								Tipo di acciaio non contemplato
1M	75	432	-14	1	0	0	32								Tipo di acciaio non contemplato
1N	75	432	0	1	0	0	24								Tipo di acciaio non contemplato
1O	75	432	-14	-2	0	0	32								Tipo di acciaio non contemplato
1P	75	432	0	-2	0	0	24								Tipo di acciaio non contemplato
2	75	254	-30	-2	0	0	185								Tipo di acciaio non contemplato
7	75	236	-23	-1	0	0	140								Tipo di acciaio non contemplato
8	75	187	-24	-1	0	0	140								Tipo di acciaio non contemplato
1A	150	-99	-77	1	0	0	-1								Tipo di acciaio non contemplato
1B	150	-99	-60	1	0	0	0								Tipo di acciaio non contemplato
1C	150	-99	-77	-2	0	1	-1								Tipo di acciaio non contemplato
1D	150	-99	-60	-2	0	1	0								Tipo di acciaio non contemplato
1E	150	185	-77	1	0	0	-1								Tipo di acciaio non contemplato
1F	150	185	-60	1	0	0	0								Tipo di acciaio non contemplato
1G	150	185	-77	-2	0	1	-1								Tipo di acciaio non contemplato
1H	150	185	-60	-2	0	1	0								Tipo di acciaio non contemplato
1I	150	-346	-76	1	0	0	-2								Tipo di acciaio non contemplato
1J	150	-346	-61	1	0	0	0								Tipo di acciaio non contemplato
1K	150	-346	-76	-2	0	1	-2								Tipo di acciaio non contemplato
1L	150	-346	-61	-2	0	1	0								Tipo di acciaio non contemplato
1M	150	432	-76	1	0	0	-2								Tipo di acciaio non contemplato
1N	150	432	-61	1	0	0	0								Tipo di acciaio non contemplato
1O	150	432	-76	-2	0	1	-2								Tipo di acciaio non contemplato
1P	150	432	-61	-2	0	1	0								Tipo di acciaio non contemplato
2	150	254	-473	-2	0	2	-4								Tipo di acciaio non contemplato
7	150	236	-357	-1	0	1	-3								Tipo di acciaio non contemplato
8	150	187	-358	-1	0	1	-3								Tipo di acciaio non contemplato

ASTA NUM. 35 NI 802 NF 792 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-449	61	7	0	5	-11								Tipo di acciaio non contemplato
1B	0	-449	82	7	0	5	-24								Tipo di acciaio non contemplato
1C	0	-449	61	-7	0	-5	-11								Tipo di acciaio non contemplato
1D	0	-449	82	-7	0	-5	-24								Tipo di acciaio non contemplato
1E	0	453	61	7	0	5	-11								Tipo di acciaio non contemplato
1F	0	453	82	7	0	5	-24								Tipo di acciaio non contemplato
1G	0	453	61	-7	0	-5	-11								Tipo di acciaio non contemplato
1H	0	453	82	-7	0	-5	-24								Tipo di acciaio non contemplato

1I	0	-164	64	16	0	12	-12	Tipo di acciaio non contemplato
1J	0	-164	79	16	0	12	-23	Tipo di acciaio non contemplato
1K	0	-164	64	-15	0	-11	-12	Tipo di acciaio non contemplato
1L	0	-164	79	-15	0	-11	-23	Tipo di acciaio non contemplato
1M	0	169	64	16	0	12	-12	Tipo di acciaio non contemplato
1N	0	169	79	16	0	12	-23	Tipo di acciaio non contemplato
1O	0	169	64	-15	0	-11	-12	Tipo di acciaio non contemplato
1P	0	169	79	-15	0	-11	-23	Tipo di acciaio non contemplato
2	0	5	494	-3	0	-3	-91	Tipo di acciaio non contemplato
7	0	-2	375	-4	0	-3	-71	Tipo di acciaio non contemplato
8	0	5	374	-2	0	-1	-71	Tipo di acciaio non contemplato
1A	75	-449	-0	7	0	0	12	Tipo di acciaio non contemplato
1B	75	-449	20	7	0	0	15	Tipo di acciaio non contemplato
1C	75	-449	-0	-7	0	0	12	Tipo di acciaio non contemplato
1D	75	-449	20	-7	0	0	15	Tipo di acciaio non contemplato
1E	75	453	-0	7	0	0	12	Tipo di acciaio non contemplato
1F	75	453	20	7	0	0	15	Tipo di acciaio non contemplato
1G	75	453	-0	-7	0	0	12	Tipo di acciaio non contemplato
1H	75	453	20	-7	0	0	15	Tipo di acciaio non contemplato
1I	75	-164	2	16	0	0	13	Tipo di acciaio non contemplato
1J	75	-164	18	16	0	0	14	Tipo di acciaio non contemplato
1K	75	-164	2	-15	0	0	13	Tipo di acciaio non contemplato
1L	75	-164	18	-15	0	0	14	Tipo di acciaio non contemplato
1M	75	169	2	16	0	0	13	Tipo di acciaio non contemplato
1N	75	169	18	16	0	0	14	Tipo di acciaio non contemplato
1O	75	169	2	-15	0	0	13	Tipo di acciaio non contemplato
1P	75	169	18	-15	0	0	14	Tipo di acciaio non contemplato
2	75	5	51	-3	0	0	114	Tipo di acciaio non contemplato
7	75	-2	41	-4	0	0	85	Tipo di acciaio non contemplato
8	75	5	40	-2	0	0	85	Tipo di acciaio non contemplato
1A	150	-449	-62	7	0	-6	-12	Tipo di acciaio non contemplato
1B	150	-449	-41	7	0	-6	7	Tipo di acciaio non contemplato
1C	150	-449	-62	-7	0	5	-12	Tipo di acciaio non contemplato
1D	150	-449	-41	-7	0	5	7	Tipo di acciaio non contemplato
1E	150	453	-62	7	0	-6	-12	Tipo di acciaio non contemplato
1F	150	453	-41	7	0	-6	7	Tipo di acciaio non contemplato
1G	150	453	-62	-7	0	5	-12	Tipo di acciaio non contemplato
1H	150	453	-41	-7	0	5	7	Tipo di acciaio non contemplato
1I	150	-164	-59	16	0	-12	-9	Tipo di acciaio non contemplato
1J	150	-164	-44	16	0	-12	4	Tipo di acciaio non contemplato
1K	150	-164	-59	-15	0	11	-9	Tipo di acciaio non contemplato
1L	150	-164	-44	-15	0	11	4	Tipo di acciaio non contemplato
1M	150	169	-59	16	0	-12	-9	Tipo di acciaio non contemplato
1N	150	169	-44	16	0	-12	4	Tipo di acciaio non contemplato
1O	150	169	-59	-15	0	11	-9	Tipo di acciaio non contemplato
1P	150	169	-44	-15	0	11	4	Tipo di acciaio non contemplato
2	150	5	-392	-3	0	2	-14	Tipo di acciaio non contemplato
7	150	-2	-293	-4	0	3	-10	Tipo di acciaio non contemplato
8	150	5	-294	-2	0	0	-11	Tipo di acciaio non contemplato

ASTA NUM. 36 NI 792 NF 782 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-246	56	2	0	1	7								Tipo di acciaio non contemplato
1B	0	-246	92	2	0	1	-13								Tipo di acciaio non contemplato
1C	0	-246	56	-1	0	0	7								Tipo di acciaio non contemplato
1D	0	-246	92	-1	0	0	-13								Tipo di acciaio non contemplato
1E	0	258	56	2	0	1	7								Tipo di acciaio non contemplato
1F	0	258	92	2	0	1	-13								Tipo di acciaio non contemplato
1G	0	258	56	-1	0	0	7								Tipo di acciaio non contemplato
1H	0	258	92	-1	0	0	-13								Tipo di acciaio non contemplato
1I	0	-141	63	2	0	1	4								Tipo di acciaio non contemplato
1J	0	-141	85	2	0	1	-10								Tipo di acciaio non contemplato
1K	0	-141	63	-1	0	0	4								Tipo di acciaio non contemplato
1L	0	-141	85	-1	0	0	-10								Tipo di acciaio non contemplato
1M	0	153	63	2	0	1	4								Tipo di acciaio non contemplato
1N	0	153	85	2	0	1	-10								Tipo di acciaio non contemplato
1O	0	153	63	-1	0	0	4								Tipo di acciaio non contemplato
1P	0	153	85	-1	0	0	-10								Tipo di acciaio non contemplato
2	0	71	498	1	0	1	-18								Tipo di acciaio non contemplato
7	0	54	376	1	0	0	-13								Tipo di acciaio non contemplato
8	0	51	377	1	0	0	-14								Tipo di acciaio non contemplato
1A	75	-246	-5	2	0	0	26								Tipo di acciaio non contemplato
1B	75	-246	30	2	0	0	33								Tipo di acciaio non contemplato
1C	75	-246	-5	-1	0	0	26								Tipo di acciaio non contemplato
1D	75	-246	30	-1	0	0	33								Tipo di acciaio non contemplato
1E	75	258	-5	2	0	0	26								Tipo di acciaio non contemplato
1F	75	258	30	2	0	0	33								Tipo di acciaio non contemplato
1G	75	258	-5	-1	0	0	26								Tipo di acciaio non contemplato
1H	75	258	30	-1	0	0	33								Tipo di acciaio non contemplato
1I	75	-141	2	2	0	0	28								Tipo di acciaio non contemplato
1J	75	-141	24	2	0	0	31								Tipo di acciaio non contemplato
1K	75	-141	2	-1	0	0	28								Tipo di acciaio non contemplato
1L	75	-141	24	-1	0	0	31								Tipo di acciaio non contemplato
1M	75	153	2	2	0	0	28								Tipo di acciaio non contemplato
1N	75	153	24	2	0	0	31								Tipo di acciaio non contemplato
1O	75	153	2	-1	0	0	28								Tipo di acciaio non contemplato

1P	75	153	24	-1	0	0	31		Tipo di acciaio non contemplato
2	75	71	55	1	0	0	189		Tipo di acciaio non contemplato
7	75	54	43	1	0	0	144		Tipo di acciaio non contemplato
8	75	51	43	1	0	0	144		Tipo di acciaio non contemplato
1A	150	-246	-67	2	0	-1	-1		Tipo di acciaio non contemplato
1B	150	-246	-31	2	0	-1	33		Tipo di acciaio non contemplato
1C	150	-246	-67	-1	0	1	-1		Tipo di acciaio non contemplato
1D	150	-246	-31	-1	0	1	33		Tipo di acciaio non contemplato
1E	150	258	-67	2	0	-1	-1		Tipo di acciaio non contemplato
1F	150	258	-31	2	0	-1	33		Tipo di acciaio non contemplato
1G	150	258	-67	-1	0	1	-1		Tipo di acciaio non contemplato
1H	150	258	-31	-1	0	1	33		Tipo di acciaio non contemplato
1I	150	-141	-60	2	0	0	6		Tipo di acciaio non contemplato
1J	150	-141	-38	2	0	0	26		Tipo di acciaio non contemplato
1K	150	-141	-60	-1	0	0	6		Tipo di acciaio non contemplato
1L	150	-141	-38	-1	0	0	26		Tipo di acciaio non contemplato
1M	150	153	-60	2	0	0	6		Tipo di acciaio non contemplato
1N	150	153	-38	2	0	0	26		Tipo di acciaio non contemplato
1O	150	153	-60	-1	0	0	6		Tipo di acciaio non contemplato
1P	150	153	-38	-1	0	0	26		Tipo di acciaio non contemplato
2	150	71	-388	1	0	0	65		Tipo di acciaio non contemplato
7	150	54	-291	1	0	0	51		Tipo di acciaio non contemplato
8	150	51	-291	1	0	0	51		Tipo di acciaio non contemplato

ASTA NUM. 37 NI 782 NF 772 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-129	26	12	0	9	33								Tipo di acciaio non contemplato
1B	0	-129	50	12	0	9	-1								Tipo di acciaio non contemplato
1C	0	-129	26	-12	0	-9	33								Tipo di acciaio non contemplato
1D	0	-129	50	-12	0	-9	-1								Tipo di acciaio non contemplato
1E	0	114	26	12	0	9	33								Tipo di acciaio non contemplato
1F	0	114	50	12	0	9	-1								Tipo di acciaio non contemplato
1G	0	114	26	-12	0	-9	33								Tipo di acciaio non contemplato
1H	0	114	50	-12	0	-9	-1								Tipo di acciaio non contemplato
1I	0	-166	27	26	0	20	25								Tipo di acciaio non contemplato
1J	0	-166	49	26	0	20	6								Tipo di acciaio non contemplato
1K	0	-166	27	-26	0	-20	25								Tipo di acciaio non contemplato
1L	0	-166	49	-26	0	-20	6								Tipo di acciaio non contemplato
1M	0	151	27	26	0	20	25								Tipo di acciaio non contemplato
1N	0	151	49	26	0	20	6								Tipo di acciaio non contemplato
1O	0	151	27	-26	0	-20	25								Tipo di acciaio non contemplato
1P	0	151	49	-26	0	-20	6								Tipo di acciaio non contemplato
2	0	86	337	-6	0	-4	65								Tipo di acciaio non contemplato
7	0	74	252	-7	0	-5	51								Tipo di acciaio non contemplato
8	0	54	251	-4	0	-3	51								Tipo di acciaio non contemplato
1A	75	-129	-36	12	0	0	28								Tipo di acciaio non contemplato
1B	75	-129	-11	12	0	0	14								Tipo di acciaio non contemplato
1C	75	-129	-36	-12	0	0	28								Tipo di acciaio non contemplato
1D	75	-129	-11	-12	0	0	14								Tipo di acciaio non contemplato
1E	75	114	-36	12	0	0	28								Tipo di acciaio non contemplato
1F	75	114	-11	12	0	0	14								Tipo di acciaio non contemplato
1G	75	114	-36	-12	0	0	28								Tipo di acciaio non contemplato
1H	75	114	-11	-12	0	0	14								Tipo di acciaio non contemplato
1I	75	-166	-34	26	0	0	23								Tipo di acciaio non contemplato
1J	75	-166	-13	26	0	0	20								Tipo di acciaio non contemplato
1K	75	-166	-34	-26	0	0	23								Tipo di acciaio non contemplato
1L	75	-166	-13	-26	0	0	20								Tipo di acciaio non contemplato
1M	75	151	-34	26	0	0	23								Tipo di acciaio non contemplato
1N	75	151	-13	26	0	0	20								Tipo di acciaio non contemplato
1O	75	151	-34	-26	0	0	23								Tipo di acciaio non contemplato
1P	75	151	-13	-26	0	0	20								Tipo di acciaio non contemplato
2	75	86	-106	-6	0	0	151								Tipo di acciaio non contemplato
7	75	74	-82	-7	0	0	114								Tipo di acciaio non contemplato
8	75	54	-83	-4	0	0	114								Tipo di acciaio non contemplato
1A	150	-129	-97	12	0	-9	-23								Tipo di acciaio non contemplato
1B	150	-129	-73	12	0	-9	-16								Tipo di acciaio non contemplato
1C	150	-129	-97	-12	0	9	-23								Tipo di acciaio non contemplato
1D	150	-129	-73	-12	0	9	-16								Tipo di acciaio non contemplato
1E	150	114	-97	12	0	-9	-23								Tipo di acciaio non contemplato
1F	150	114	-73	12	0	-9	-16								Tipo di acciaio non contemplato
1G	150	114	-97	-12	0	9	-23								Tipo di acciaio non contemplato
1H	150	114	-73	-12	0	9	-16								Tipo di acciaio non contemplato
1I	150	-166	-96	26	0	-20	-26								Tipo di acciaio non contemplato
1J	150	-166	-74	26	0	-20	-13								Tipo di acciaio non contemplato
1K	150	-166	-96	-26	0	20	-26								Tipo di acciaio non contemplato
1L	150	-166	-74	-26	0	20	-13								Tipo di acciaio non contemplato
1M	150	151	-96	26	0	-20	-26								Tipo di acciaio non contemplato
1N	150	151	-74	26	0	-20	-13								Tipo di acciaio non contemplato
1O	150	151	-96	-26	0	20	-26								Tipo di acciaio non contemplato
1P	150	151	-74	-26	0	20	-13								Tipo di acciaio non contemplato
2	150	86	-549	-6	0	4	-94								Tipo di acciaio non contemplato
7	150	74	-416	-7	0	5	-72								Tipo di acciaio non contemplato
8	150	54	-417	-4	0	3	-73								Tipo di acciaio non contemplato

ASTA NUM. 38 NI 772 NF 762 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-246	70	11	0	8	-15								Tipo di acciaio non contemplato
1B	0	-246	102	11	0	8	-24								Tipo di acciaio non contemplato
1C	0	-246	70	-10	0	-8	-15								Tipo di acciaio non contemplato
1D	0	-246	102	-10	0	-8	-24								Tipo di acciaio non contemplato
1E	0	233	70	11	0	8	-15								Tipo di acciaio non contemplato
1F	0	233	102	11	0	8	-24								Tipo di acciaio non contemplato
1G	0	233	70	-10	0	-8	-15								Tipo di acciaio non contemplato
1H	0	233	102	-10	0	-8	-24								Tipo di acciaio non contemplato
1I	0	-114	72	27	0	20	-12								Tipo di acciaio non contemplato
1J	0	-114	100	27	0	20	-28								Tipo di acciaio non contemplato
1K	0	-114	72	-27	0	-20	-12								Tipo di acciaio non contemplato
1L	0	-114	100	-27	0	-20	-28								Tipo di acciaio non contemplato
1M	0	101	72	27	0	20	-12								Tipo di acciaio non contemplato
1N	0	101	100	27	0	20	-28								Tipo di acciaio non contemplato
1O	0	101	72	-27	0	-20	-12								Tipo di acciaio non contemplato
1P	0	101	100	-27	0	-20	-28								Tipo di acciaio non contemplato
2	0	52	557	-4	0	-3	-94								Tipo di acciaio non contemplato
7	0	38	422	-5	0	-3	-72								Tipo di acciaio non contemplato
8	0	33	423	-3	0	-2	-73								Tipo di acciaio non contemplato
1A	75	-246	9	11	0	0	14								Tipo di acciaio non contemplato
1B	75	-246	40	11	0	0	30								Tipo di acciaio non contemplato
1C	75	-246	9	-10	0	0	14								Tipo di acciaio non contemplato
1D	75	-246	40	-10	0	0	30								Tipo di acciaio non contemplato
1E	75	233	9	11	0	0	14								Tipo di acciaio non contemplato
1F	75	233	40	11	0	0	30								Tipo di acciaio non contemplato
1G	75	233	9	-10	0	0	14								Tipo di acciaio non contemplato
1H	75	233	40	-10	0	0	30								Tipo di acciaio non contemplato
1I	75	-114	11	27	0	0	19								Tipo di acciaio non contemplato
1J	75	-114	38	27	0	0	24								Tipo di acciaio non contemplato
1K	75	-114	11	-27	0	0	19								Tipo di acciaio non contemplato
1L	75	-114	38	-27	0	0	24								Tipo di acciaio non contemplato
1M	75	101	11	27	0	0	19								Tipo di acciaio non contemplato
1N	75	101	38	27	0	0	24								Tipo di acciaio non contemplato
1O	75	101	11	-27	0	0	19								Tipo di acciaio non contemplato
1P	75	101	38	-27	0	0	24								Tipo di acciaio non contemplato
2	75	52	114	-4	0	0	158								Tipo di acciaio non contemplato
7	75	38	88	-5	0	0	119								Tipo di acciaio non contemplato
8	75	33	89	-3	0	0	119								Tipo di acciaio non contemplato
1A	150	-246	-53	11	0	-8	-3								Tipo di acciaio non contemplato
1B	150	-246	-21	11	0	-8	37								Tipo di acciaio non contemplato
1C	150	-246	-53	-10	0	8	-3								Tipo di acciaio non contemplato
1D	150	-246	-21	-10	0	8	37								Tipo di acciaio non contemplato
1E	150	233	-53	11	0	-8	-3								Tipo di acciaio non contemplato
1F	150	233	-21	11	0	-8	37								Tipo di acciaio non contemplato
1G	150	233	-53	-10	0	8	-3								Tipo di acciaio non contemplato
1H	150	233	-21	-10	0	8	37								Tipo di acciaio non contemplato
1I	150	-114	-51	27	0	-20	4								Tipo di acciaio non contemplato
1J	150	-114	-23	27	0	-20	30								Tipo di acciaio non contemplato
1K	150	-114	-51	-27	0	20	4								Tipo di acciaio non contemplato
1L	150	-114	-23	-27	0	20	30								Tipo di acciaio non contemplato
1M	150	101	-51	27	0	-20	4								Tipo di acciaio non contemplato
1N	150	101	-23	27	0	-20	30								Tipo di acciaio non contemplato
1O	150	101	-51	-27	0	20	4								Tipo di acciaio non contemplato
1P	150	101	-23	-27	0	20	30								Tipo di acciaio non contemplato
2	150	52	-328	-4	0	3	78								Tipo di acciaio non contemplato
7	150	38	-246	-5	0	4	60								Tipo di acciaio non contemplato
8	150	33	-244	-3	0	2	61								Tipo di acciaio non contemplato

ASTA NUM. 39 NI 762 NF 759 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-100	36	1	0	0	37								Tipo di acciaio non contemplato
1B	0	-100	63	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-100	36	-2	0	-1	37								Tipo di acciaio non contemplato
1D	0	-100	63	-2	0	-1	-3								Tipo di acciaio non contemplato
1E	0	177	36	1	0	0	37								Tipo di acciaio non contemplato
1F	0	177	63	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	177	36	-2	0	-1	37								Tipo di acciaio non contemplato
1H	0	177	63	-2	0	-1	-3								Tipo di acciaio non contemplato
1I	0	-80	40	1	0	0	30								Tipo di acciaio non contemplato
1J	0	-80	59	1	0	0	5								Tipo di acciaio non contemplato
1K	0	-80	40	-1	0	0	30								Tipo di acciaio non contemplato
1L	0	-80	59	-1	0	0	5								Tipo di acciaio non contemplato
1M	0	156	40	1	0	0	30								Tipo di acciaio non contemplato
1N	0	156	59	1	0	0	5								Tipo di acciaio non contemplato
1O	0	156	40	-1	0	0	30								Tipo di acciaio non contemplato
1P	0	156	59	-1	0	0	5								Tipo di acciaio non contemplato
2	0	114	387	-1	0	0	78								Tipo di acciaio non contemplato
7	0	91	291	-1	0	0	61								Tipo di acciaio non contemplato

8	0	95	290	-1	0	0	62								Tipo di acciaio non contemplato
1A	75	-100	-26	1	0	0	41								Tipo di acciaio non contemplato
1B	75	-100	2	1	0	0	22								Tipo di acciaio non contemplato
1C	75	-100	-26	-2	0	0	41								Tipo di acciaio non contemplato
1D	75	-100	2	-2	0	0	22								Tipo di acciaio non contemplato
1E	75	177	-26	1	0	0	41								Tipo di acciaio non contemplato
1F	75	177	2	1	0	0	22								Tipo di acciaio non contemplato
1G	75	177	-26	-2	0	0	41								Tipo di acciaio non contemplato
1H	75	177	2	-2	0	0	22								Tipo di acciaio non contemplato
1I	75	-80	-21	1	0	0	37								Tipo di acciaio non contemplato
1J	75	-80	-3	1	0	0	26								Tipo di acciaio non contemplato
1K	75	-80	-21	-1	0	0	37								Tipo di acciaio non contemplato
1L	75	-80	-3	-1	0	0	26								Tipo di acciaio non contemplato
1M	75	156	-21	1	0	0	37								Tipo di acciaio non contemplato
1N	75	156	-3	1	0	0	26								Tipo di acciaio non contemplato
1O	75	156	-21	-1	0	0	37								Tipo di acciaio non contemplato
1P	75	156	-3	-1	0	0	26								Tipo di acciaio non contemplato
2	75	114	-56	-1	0	0	203								Tipo di acciaio non contemplato
7	75	91	-43	-1	0	0	154								Tipo di acciaio non contemplato
8	75	95	-44	-1	0	0	154								Tipo di acciaio non contemplato
1A	150	-100	-87	1	0	0	-2								Tipo di acciaio non contemplato
1B	150	-100	-60	1	0	0	0								Tipo di acciaio non contemplato
1C	150	-100	-87	-2	0	1	-2								Tipo di acciaio non contemplato
1D	150	-100	-60	-2	0	1	0								Tipo di acciaio non contemplato
1E	150	177	-87	1	0	0	-2								Tipo di acciaio non contemplato
1F	150	177	-60	1	0	0	0								Tipo di acciaio non contemplato
1G	150	177	-87	-2	0	1	-2								Tipo di acciaio non contemplato
1H	150	177	-60	-2	0	1	0								Tipo di acciaio non contemplato
1I	150	-80	-83	1	0	0	-2								Tipo di acciaio non contemplato
1J	150	-80	-64	1	0	0	0								Tipo di acciaio non contemplato
1K	150	-80	-83	-1	0	1	-2								Tipo di acciaio non contemplato
1L	150	-80	-64	-1	0	1	0								Tipo di acciaio non contemplato
1M	150	156	-83	1	0	0	-2								Tipo di acciaio non contemplato
1N	150	156	-64	1	0	0	0								Tipo di acciaio non contemplato
1O	150	156	-83	-1	0	1	-2								Tipo di acciaio non contemplato
1P	150	156	-64	-1	0	1	0								Tipo di acciaio non contemplato
2	150	114	-498	-1	0	2	-5								Tipo di acciaio non contemplato
7	150	91	-377	-1	0	1	-4								Tipo di acciaio non contemplato
8	150	95	-378	-1	0	1	-4								Tipo di acciaio non contemplato

ASTA NUM. 40 NI 803 NF 793 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-146	58	7	0	5	-8								Tipo di acciaio non contemplato
1B	0	-146	79	7	0	5	-15								Tipo di acciaio non contemplato
1C	0	-146	58	-6	0	-5	-8								Tipo di acciaio non contemplato
1D	0	-146	79	-6	0	-5	-15								Tipo di acciaio non contemplato
1E	0	122	58	7	0	5	-8								Tipo di acciaio non contemplato
1F	0	122	79	7	0	5	-15								Tipo di acciaio non contemplato
1G	0	122	58	-6	0	-5	-8								Tipo di acciaio non contemplato
1H	0	122	79	-6	0	-5	-15								Tipo di acciaio non contemplato
1I	0	-55	63	16	0	12	-9								Tipo di acciaio non contemplato
1J	0	-55	74	16	0	12	-13								Tipo di acciaio non contemplato
1K	0	-55	63	-15	0	-11	-9								Tipo di acciaio non contemplato
1L	0	-55	74	-15	0	-11	-13								Tipo di acciaio non contemplato
1M	0	31	63	16	0	12	-9								Tipo di acciaio non contemplato
1N	0	31	74	16	0	12	-13								Tipo di acciaio non contemplato
1O	0	31	63	-15	0	-11	-9								Tipo di acciaio non contemplato
1P	0	31	74	-15	0	-11	-13								Tipo di acciaio non contemplato
2	0	-55	476	-3	0	-3	-57								Tipo di acciaio non contemplato
7	0	-43	360	-4	0	-3	-45								Tipo di acciaio non contemplato
8	0	-43	360	-2	0	-1	-44								Tipo di acciaio non contemplato
1A	75	-146	-3	7	0	0	13								Tipo di acciaio non contemplato
1B	75	-146	17	7	0	0	22								Tipo di acciaio non contemplato
1C	75	-146	-3	-6	0	0	13								Tipo di acciaio non contemplato
1D	75	-146	17	-6	0	0	22								Tipo di acciaio non contemplato
1E	75	122	-3	7	0	0	13								Tipo di acciaio non contemplato
1F	75	122	17	7	0	0	22								Tipo di acciaio non contemplato
1G	75	122	-3	-6	0	0	13								Tipo di acciaio non contemplato
1H	75	122	17	-6	0	0	22								Tipo di acciaio non contemplato
1I	75	-55	2	16	0	0	15								Tipo di acciaio non contemplato
1J	75	-55	12	16	0	0	19								Tipo di acciaio non contemplato
1K	75	-55	2	-15	0	0	15								Tipo di acciaio non contemplato
1L	75	-55	12	-15	0	0	19								Tipo di acciaio non contemplato
1M	75	31	2	16	0	0	15								Tipo di acciaio non contemplato
1N	75	31	12	16	0	0	19								Tipo di acciaio non contemplato
1O	75	31	2	-15	0	0	15								Tipo di acciaio non contemplato
1P	75	31	12	-15	0	0	19								Tipo di acciaio non contemplato
2	75	-55	33	-3	0	0	134								Tipo di acciaio non contemplato
7	75	-43	26	-4	0	0	101								Tipo di acciaio non contemplato
8	75	-43	26	-2	0	0	100								Tipo di acciaio non contemplato
1A	150	-146	-65	7	0	-5	-13								Tipo di acciaio non contemplato
1B	150	-146	-44	7	0	-5	12								Tipo di acciaio non contemplato
1C	150	-146	-65	-6	0	5	-13								Tipo di acciaio non contemplato
1D	150	-146	-44	-6	0	5	12								Tipo di acciaio non contemplato
1E	150	122	-65	7	0	-5	-13								Tipo di acciaio non contemplato

1F	150	122	-44	7	0	-5	12							Tipo di acciaio non contemplato
1G	150	122	-65	-6	0	5	-13							Tipo di acciaio non contemplato
1H	150	122	-44	-6	0	5	12							Tipo di acciaio non contemplato
1I	150	-55	-60	16	0	-12	-7							Tipo di acciaio non contemplato
1J	150	-55	-49	16	0	-12	5							Tipo di acciaio non contemplato
1K	150	-55	-60	-15	0	11	-7							Tipo di acciaio non contemplato
1L	150	-55	-49	-15	0	11	5							Tipo di acciaio non contemplato
1M	150	31	-60	16	0	-12	-7							Tipo di acciaio non contemplato
1N	150	31	-49	16	0	-12	5							Tipo di acciaio non contemplato
1O	150	31	-60	-15	0	11	-7							Tipo di acciaio non contemplato
1P	150	31	-49	-15	0	11	5							Tipo di acciaio non contemplato
2	150	-55	-410	-3	0	2	-8							Tipo di acciaio non contemplato
7	150	-43	-308	-4	0	3	-5							Tipo di acciaio non contemplato
8	150	-43	-308	-2	0	1	-6							Tipo di acciaio non contemplato

ASTA NUM. 41 NI 793 NF 783 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-87	53	1	0	1	11								Tipo di acciaio non contemplato
1B	0	-87	98	1	0	1	-14								Tipo di acciaio non contemplato
1C	0	-87	53	-1	0	0	11								Tipo di acciaio non contemplato
1D	0	-87	98	-1	0	0	-14								Tipo di acciaio non contemplato
1E	0	68	53	1	0	1	11								Tipo di acciaio non contemplato
1F	0	68	98	1	0	1	-14								Tipo di acciaio non contemplato
1G	0	68	53	-1	0	0	11								Tipo di acciaio non contemplato
1H	0	68	98	-1	0	0	-14								Tipo di acciaio non contemplato
1I	0	-46	64	1	0	1	5								Tipo di acciaio non contemplato
1J	0	-46	86	1	0	1	-8								Tipo di acciaio non contemplato
1K	0	-46	64	-1	0	0	5								Tipo di acciaio non contemplato
1L	0	-46	86	-1	0	0	-8								Tipo di acciaio non contemplato
1M	0	26	64	1	0	1	5								Tipo di acciaio non contemplato
1N	0	26	86	1	0	1	-8								Tipo di acciaio non contemplato
1O	0	26	64	-1	0	0	5								Tipo di acciaio non contemplato
1P	0	26	86	-1	0	0	-8								Tipo di acciaio non contemplato
2	0	-29	504	1	0	1	-11								Tipo di acciaio non contemplato
7	0	-25	381	1	0	0	-8								Tipo di acciaio non contemplato
8	0	-24	382	1	0	1	-8								Tipo di acciaio non contemplato
1A	75	-87	-9	1	0	0	27								Tipo di acciaio non contemplato
1B	75	-87	37	1	0	0	37								Tipo di acciaio non contemplato
1C	75	-87	-9	-1	0	0	27								Tipo di acciaio non contemplato
1D	75	-87	37	-1	0	0	37								Tipo di acciaio non contemplato
1E	75	68	-9	1	0	0	27								Tipo di acciaio non contemplato
1F	75	68	37	1	0	0	37								Tipo di acciaio non contemplato
1G	75	68	-9	-1	0	0	27								Tipo di acciaio non contemplato
1H	75	68	37	-1	0	0	37								Tipo di acciaio non contemplato
1I	75	-46	3	1	0	0	30								Tipo di acciaio non contemplato
1J	75	-46	25	1	0	0	34								Tipo di acciaio non contemplato
1K	75	-46	3	-1	0	0	30								Tipo di acciaio non contemplato
1L	75	-46	25	-1	0	0	34								Tipo di acciaio non contemplato
1M	75	26	3	1	0	0	30								Tipo di acciaio non contemplato
1N	75	26	25	1	0	0	34								Tipo di acciaio non contemplato
1O	75	26	3	-1	0	0	30								Tipo di acciaio non contemplato
1P	75	26	25	-1	0	0	34								Tipo di acciaio non contemplato
2	75	-29	62	1	0	0	201								Tipo di acciaio non contemplato
7	75	-25	47	1	0	0	153								Tipo di acciaio non contemplato
8	75	-24	48	1	0	0	153								Tipo di acciaio non contemplato
1A	150	-87	-71	1	0	-1	-3								Tipo di acciaio non contemplato
1B	150	-87	-25	1	0	-1	41								Tipo di acciaio non contemplato
1C	150	-87	-71	-1	0	0	-3								Tipo di acciaio non contemplato
1D	150	-87	-25	-1	0	0	41								Tipo di acciaio non contemplato
1E	150	68	-71	1	0	-1	-3								Tipo di acciaio non contemplato
1F	150	68	-25	1	0	-1	41								Tipo di acciaio non contemplato
1G	150	68	-71	-1	0	0	-3								Tipo di acciaio non contemplato
1H	150	68	-25	-1	0	0	41								Tipo di acciaio non contemplato
1I	150	-46	-59	1	0	0	9								Tipo di acciaio non contemplato
1J	150	-46	-37	1	0	0	30								Tipo di acciaio non contemplato
1K	150	-46	-59	-1	0	0	9								Tipo di acciaio non contemplato
1L	150	-46	-37	-1	0	0	30								Tipo di acciaio non contemplato
1M	150	26	-59	1	0	0	9								Tipo di acciaio non contemplato
1N	150	26	-37	1	0	0	30								Tipo di acciaio non contemplato
1O	150	26	-59	-1	0	0	9								Tipo di acciaio non contemplato
1P	150	26	-37	-1	0	0	30								Tipo di acciaio non contemplato
2	150	-29	-381	1	0	0	81								Tipo di acciaio non contemplato
7	150	-25	-287	1	0	0	63								Tipo di acciaio non contemplato
8	150	-24	-286	1	0	0	64								Tipo di acciaio non contemplato

ASTA NUM. 42 NI 783 NF 773 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-128	19	11	0	8	41								Tipo di acciaio non contemplato

1B	0	-128	49	11	0	8	-3	Tipo di acciaio non contemplato
1C	0	-128	19	-11	0	-8	41	Tipo di acciaio non contemplato
1D	0	-128	49	-11	0	-8	-3	Tipo di acciaio non contemplato
1E	0	-11	19	11	0	8	41	Tipo di acciaio non contemplato
1F	0	-11	49	11	0	8	-3	Tipo di acciaio non contemplato
1G	0	-11	19	-11	0	-8	41	Tipo di acciaio non contemplato
1H	0	-11	49	-11	0	-8	-3	Tipo di acciaio non contemplato
1I	0	-99	24	27	0	20	29	Tipo di acciaio non contemplato
1J	0	-99	44	27	0	20	9	Tipo di acciaio non contemplato
1K	0	-99	24	-26	0	-20	29	Tipo di acciaio non contemplato
1L	0	-99	44	-26	0	-20	9	Tipo di acciaio non contemplato
1M	0	-40	24	27	0	20	29	Tipo di acciaio non contemplato
1N	0	-40	44	27	0	20	9	Tipo di acciaio non contemplato
1O	0	-40	24	-26	0	-20	29	Tipo di acciaio non contemplato
1P	0	-40	44	-26	0	-20	9	Tipo di acciaio non contemplato
2	0	-259	318	-6	0	-5	81	Tipo di acciaio non contemplato
7	0	-205	237	-7	0	-5	63	Tipo di acciaio non contemplato
8	0	-209	236	-4	0	-3	64	Tipo di acciaio non contemplato
1A	75	-128	-43	11	0	0	31	Tipo di acciaio non contemplato
1B	75	-128	-13	11	0	0	12	Tipo di acciaio non contemplato
1C	75	-128	-43	-11	0	0	31	Tipo di acciaio non contemplato
1D	75	-128	-13	-11	0	0	12	Tipo di acciaio non contemplato
1E	75	-11	-43	11	0	0	31	Tipo di acciaio non contemplato
1F	75	-11	-13	11	0	0	12	Tipo di acciaio non contemplato
1G	75	-11	-43	-11	0	0	31	Tipo di acciaio non contemplato
1H	75	-11	-13	-11	0	0	12	Tipo di acciaio non contemplato
1I	75	-99	-37	27	0	0	24	Tipo di acciaio non contemplato
1J	75	-99	-18	27	0	0	19	Tipo di acciaio non contemplato
1K	75	-99	-37	-26	0	0	24	Tipo di acciaio non contemplato
1L	75	-99	-18	-26	0	0	19	Tipo di acciaio non contemplato
1M	75	-40	-37	27	0	0	24	Tipo di acciaio non contemplato
1N	75	-40	-18	27	0	0	19	Tipo di acciaio non contemplato
1O	75	-40	-37	-26	0	0	24	Tipo di acciaio non contemplato
1P	75	-40	-18	-26	0	0	19	Tipo di acciaio non contemplato
2	75	-259	-125	-6	0	0	153	Tipo di acciaio non contemplato
7	75	-205	-97	-7	0	0	116	Tipo di acciaio non contemplato
8	75	-209	-98	-4	0	0	116	Tipo di acciaio non contemplato
1A	150	-128	-104	11	0	-9	-26	Tipo di acciaio non contemplato
1B	150	-128	-74	11	0	-9	-19	Tipo di acciaio non contemplato
1C	150	-128	-104	-11	0	8	-26	Tipo di acciaio non contemplato
1D	150	-128	-74	-11	0	8	-19	Tipo di acciaio non contemplato
1E	150	-11	-104	11	0	-9	-26	Tipo di acciaio non contemplato
1F	150	-11	-74	11	0	-9	-19	Tipo di acciaio non contemplato
1G	150	-11	-104	-11	0	8	-26	Tipo di acciaio non contemplato
1H	150	-11	-74	-11	0	8	-19	Tipo di acciaio non contemplato
1I	150	-99	-99	27	0	-20	-28	Tipo di acciaio non contemplato
1J	150	-99	-79	27	0	-20	-17	Tipo di acciaio non contemplato
1K	150	-99	-99	-26	0	20	-28	Tipo di acciaio non contemplato
1L	150	-99	-79	-26	0	20	-17	Tipo di acciaio non contemplato
1M	150	-40	-99	27	0	-20	-28	Tipo di acciaio non contemplato
1N	150	-40	-79	27	0	-20	-17	Tipo di acciaio non contemplato
1O	150	-40	-99	-26	0	20	-28	Tipo di acciaio non contemplato
1P	150	-40	-79	-26	0	20	-17	Tipo di acciaio non contemplato
2	150	-259	-568	-6	0	5	-107	Tipo di acciaio non contemplato
7	150	-205	-431	-7	0	5	-82	Tipo di acciaio non contemplato
8	150	-209	-432	-4	0	3	-83	Tipo di acciaio non contemplato

ASTA NUM. 43 NI 773 NF 763 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-299	72	10	0	8	-18								Tipo di acciaio non contemplato
1B	0	-299	110	10	0	8	-27								Tipo di acciaio non contemplato
1C	0	-299	72	-10	0	-8	-18								Tipo di acciaio non contemplato
1D	0	-299	110	-10	0	-8	-27								Tipo di acciaio non contemplato
1E	0	165	72	10	0	8	-18								Tipo di acciaio non contemplato
1F	0	165	110	10	0	8	-27								Tipo di acciaio non contemplato
1G	0	165	72	-10	0	-8	-18								Tipo di acciaio non contemplato
1H	0	165	110	-10	0	-8	-27								Tipo di acciaio non contemplato
1I	0	-163	78	28	0	21	-16								Tipo di acciaio non contemplato
1J	0	-163	104	28	0	21	-29								Tipo di acciaio non contemplato
1K	0	-163	78	-27	0	-20	-16								Tipo di acciaio non contemplato
1L	0	-163	104	-27	0	-20	-29								Tipo di acciaio non contemplato
1M	0	28	78	28	0	21	-16								Tipo di acciaio non contemplato
1N	0	28	104	28	0	21	-29								Tipo di acciaio non contemplato
1O	0	28	78	-27	0	-20	-16								Tipo di acciaio non contemplato
1P	0	28	104	-27	0	-20	-29								Tipo di acciaio non contemplato
2	0	-236	581	-4	0	-3	-106								Tipo di acciaio non contemplato
7	0	-186	441	-5	0	-4	-82								Tipo di acciaio non contemplato
8	0	-192	442	-3	0	-2	-83								Tipo di acciaio non contemplato
1A	75	-299	10	10	0	0	12								Tipo di acciaio non contemplato
1B	75	-299	48	10	0	0	33								Tipo di acciaio non contemplato
1C	75	-299	10	-10	0	0	12								Tipo di acciaio non contemplato
1D	75	-299	48	-10	0	0	33								Tipo di acciaio non contemplato
1E	75	165	10	10	0	0	12								Tipo di acciaio non contemplato
1F	75	165	48	10	0	0	33								Tipo di acciaio non contemplato
1G	75	165	10	-10	0	0	12								Tipo di acciaio non contemplato
1H	75	165	48	-10	0	0	33								Tipo di acciaio non contemplato

1I	75	-163	17	28	0	0	19							Tipo di acciaio non contemplato
1J	75	-163	42	28	0	0	26							Tipo di acciaio non contemplato
1K	75	-163	17	-27	0	0	19							Tipo di acciaio non contemplato
1L	75	-163	42	-27	0	0	26							Tipo di acciaio non contemplato
1M	75	28	17	28	0	0	19							Tipo di acciaio non contemplato
1N	75	28	42	28	0	0	26							Tipo di acciaio non contemplato
1O	75	28	17	-27	0	0	19							Tipo di acciaio non contemplato
1P	75	28	42	-27	0	0	26							Tipo di acciaio non contemplato
2	75	-236	138	-4	0	0	163							Tipo di acciaio non contemplato
7	75	-186	107	-5	0	0	123							Tipo di acciaio non contemplato
8	75	-192	108	-3	0	0	123							Tipo di acciaio non contemplato
1A	150	-299	-51	10	0	-8	-3							Tipo di acciaio non contemplato
1B	150	-299	-13	10	0	-8	46							Tipo di acciaio non contemplato
1C	150	-299	-51	-10	0	7	-3							Tipo di acciaio non contemplato
1D	150	-299	-13	-10	0	7	46							Tipo di acciaio non contemplato
1E	150	165	-51	10	0	-8	-3							Tipo di acciaio non contemplato
1F	150	165	-13	10	0	-8	46							Tipo di acciaio non contemplato
1G	150	165	-51	-10	0	7	-3							Tipo di acciaio non contemplato
1H	150	165	-13	-10	0	7	46							Tipo di acciaio non contemplato
1I	150	-163	-45	28	0	-21	9							Tipo di acciaio non contemplato
1J	150	-163	-20	28	0	-21	34							Tipo di acciaio non contemplato
1K	150	-163	-45	-27	0	20	9							Tipo di acciaio non contemplato
1L	150	-163	-20	-27	0	20	34							Tipo di acciaio non contemplato
1M	150	28	-45	28	0	-21	9							Tipo di acciaio non contemplato
1N	150	28	-20	28	0	-21	34							Tipo di acciaio non contemplato
1O	150	28	-45	-27	0	20	9							Tipo di acciaio non contemplato
1P	150	28	-20	-27	0	20	34							Tipo di acciaio non contemplato
2	150	-236	-305	-4	0	3	101							Tipo di acciaio non contemplato
7	150	-186	-227	-5	0	4	78							Tipo di acciaio non contemplato
8	150	-192	-226	-3	0	2	79							Tipo di acciaio non contemplato

ASTA NUM. 44 NI 763 NF 758 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-88	29	1	0	0	46								Tipo di acciaio non contemplato
1B	0	-88	63	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-88	29	-1	0	0	46								Tipo di acciaio non contemplato
1D	0	-88	63	-1	0	0	-3								Tipo di acciaio non contemplato
1E	0	147	29	1	0	0	46								Tipo di acciaio non contemplato
1F	0	147	63	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	147	29	-1	0	0	46								Tipo di acciaio non contemplato
1H	0	147	63	-1	0	0	-3								Tipo di acciaio non contemplato
1I	0	-36	38	1	0	0	34								Tipo di acciaio non contemplato
1J	0	-36	55	1	0	0	10								Tipo di acciaio non contemplato
1K	0	-36	38	-1	0	0	34								Tipo di acciaio non contemplato
1L	0	-36	55	-1	0	0	10								Tipo di acciaio non contemplato
1M	0	95	38	1	0	0	34								Tipo di acciaio non contemplato
1N	0	95	55	1	0	0	10								Tipo di acciaio non contemplato
1O	0	95	38	-1	0	0	34								Tipo di acciaio non contemplato
1P	0	95	55	-1	0	0	10								Tipo di acciaio non contemplato
2	0	100	371	-1	0	0	102								Tipo di acciaio non contemplato
7	0	85	278	-1	0	0	79								Tipo di acciaio non contemplato
8	0	81	278	-1	0	0	80								Tipo di acciaio non contemplato
1A	75	-88	-32	1	0	0	45								Tipo di acciaio non contemplato
1B	75	-88	2	1	0	0	22								Tipo di acciaio non contemplato
1C	75	-88	-32	-1	0	0	45								Tipo di acciaio non contemplato
1D	75	-88	2	-1	0	0	22								Tipo di acciaio non contemplato
1E	75	147	-32	1	0	0	45								Tipo di acciaio non contemplato
1F	75	147	2	1	0	0	22								Tipo di acciaio non contemplato
1G	75	147	-32	-1	0	0	45								Tipo di acciaio non contemplato
1H	75	147	2	-1	0	0	22								Tipo di acciaio non contemplato
1I	75	-36	-24	1	0	0	39								Tipo di acciaio non contemplato
1J	75	-36	-6	1	0	0	28								Tipo di acciaio non contemplato
1K	75	-36	-24	-1	0	0	39								Tipo di acciaio non contemplato
1L	75	-36	-6	-1	0	0	28								Tipo di acciaio non contemplato
1M	75	95	-24	1	0	0	39								Tipo di acciaio non contemplato
1N	75	95	-6	1	0	0	28								Tipo di acciaio non contemplato
1O	75	95	-24	-1	0	0	39								Tipo di acciaio non contemplato
1P	75	95	-6	-1	0	0	28								Tipo di acciaio non contemplato
2	75	100	-72	-1	0	0	214								Tipo di acciaio non contemplato
7	75	85	-56	-1	0	0	163								Tipo di acciaio non contemplato
8	75	81	-56	-1	0	0	163								Tipo di acciaio non contemplato
1A	150	-88	-94	1	0	0	-2								Tipo di acciaio non contemplato
1B	150	-88	-60	1	0	0	0								Tipo di acciaio non contemplato
1C	150	-88	-94	-1	0	0	-2								Tipo di acciaio non contemplato
1D	150	-88	-60	-1	0	0	0								Tipo di acciaio non contemplato
1E	150	147	-94	1	0	0	-2								Tipo di acciaio non contemplato
1F	150	147	-60	1	0	0	0								Tipo di acciaio non contemplato
1G	150	147	-94	-1	0	0	-2								Tipo di acciaio non contemplato
1H	150	147	-60	-1	0	0	0								Tipo di acciaio non contemplato
1I	150	-36	-85	1	0	0	-2								Tipo di acciaio non contemplato
1J	150	-36	-68	1	0	0	0								Tipo di acciaio non contemplato
1K	150	-36	-85	-1	0	1	-2								Tipo di acciaio non contemplato
1L	150	-36	-68	-1	0	1	0								Tipo di acciaio non contemplato
1M	150	95	-85	1	0	0	-2								Tipo di acciaio non contemplato
1N	150	95	-68	1	0	0	0								Tipo di acciaio non contemplato
1O	150	95	-85	-1	0	1	-2								Tipo di acciaio non contemplato

1P	150	95	-68	-1	0	1	0							Tipo di acciaio non contemplato
2	150	100	-515	-1	0	2	-6							Tipo di acciaio non contemplato
7	150	85	-390	-1	0	1	-4							Tipo di acciaio non contemplato
8	150	81	-390	-1	0	1	-4							Tipo di acciaio non contemplato

ASTA NUM. 45 NI 797 NF 787 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-451	50	1	0	0	14								Tipo di acciaio non contemplato
1B	0	-451	100	1	0	0	-14								Tipo di acciaio non contemplato
1C	0	-451	50	-1	0	0	14								Tipo di acciaio non contemplato
1D	0	-451	100	-1	0	0	-14								Tipo di acciaio non contemplato
1E	0	88	50	1	0	0	14								Tipo di acciaio non contemplato
1F	0	88	100	1	0	0	-14								Tipo di acciaio non contemplato
1G	0	88	50	-1	0	0	14								Tipo di acciaio non contemplato
1H	0	88	100	-1	0	0	-14								Tipo di acciaio non contemplato
1I	0	-273	66	1	0	0	6								Tipo di acciaio non contemplato
1J	0	-273	85	1	0	0	-5								Tipo di acciaio non contemplato
1K	0	-273	66	-1	0	0	6								Tipo di acciaio non contemplato
1L	0	-273	85	-1	0	0	-5								Tipo di acciaio non contemplato
1M	0	-91	66	1	0	0	6								Tipo di acciaio non contemplato
1N	0	-91	85	1	0	0	-5								Tipo di acciaio non contemplato
1O	0	-91	66	-1	0	0	6								Tipo di acciaio non contemplato
1P	0	-91	85	-1	0	0	-5								Tipo di acciaio non contemplato
2	0	-897	505	0	0	0	-5								Tipo di acciaio non contemplato
7	0	-699	382	0	0	0	-2								Tipo di acciaio non contemplato
8	0	-699	383	0	0	0	-3								Tipo di acciaio non contemplato
1A	75	-451	-11	1	0	0	29								Tipo di acciaio non contemplato
1B	75	-451	39	1	0	0	39								Tipo di acciaio non contemplato
1C	75	-451	-11	-1	0	0	29								Tipo di acciaio non contemplato
1D	75	-451	39	-1	0	0	39								Tipo di acciaio non contemplato
1E	75	88	-11	1	0	0	29								Tipo di acciaio non contemplato
1F	75	88	39	1	0	0	39								Tipo di acciaio non contemplato
1G	75	88	-11	-1	0	0	29								Tipo di acciaio non contemplato
1H	75	88	39	-1	0	0	39								Tipo di acciaio non contemplato
1I	75	-273	4	1	0	0	32								Tipo di acciaio non contemplato
1J	75	-273	23	1	0	0	35								Tipo di acciaio non contemplato
1K	75	-273	4	-1	0	0	32								Tipo di acciaio non contemplato
1L	75	-273	23	-1	0	0	35								Tipo di acciaio non contemplato
1M	75	-91	4	1	0	0	32								Tipo di acciaio non contemplato
1N	75	-91	23	1	0	0	35								Tipo di acciaio non contemplato
1O	75	-91	4	-1	0	0	32								Tipo di acciaio non contemplato
1P	75	-91	23	-1	0	0	35								Tipo di acciaio non contemplato
2	75	-897	62	0	0	0	208								Tipo di acciaio non contemplato
7	75	-699	48	0	0	0	159								Tipo di acciaio non contemplato
8	75	-699	49	0	0	0	159								Tipo di acciaio non contemplato
1A	150	-451	-73	1	0	0	-3								Tipo di acciaio non contemplato
1B	150	-451	-23	1	0	0	45								Tipo di acciaio non contemplato
1C	150	-451	-73	-1	0	0	-3								Tipo di acciaio non contemplato
1D	150	-451	-23	-1	0	0	45								Tipo di acciaio non contemplato
1E	150	88	-73	1	0	0	-3								Tipo di acciaio non contemplato
1F	150	88	-23	1	0	0	45								Tipo di acciaio non contemplato
1G	150	88	-73	-1	0	0	-3								Tipo di acciaio non contemplato
1H	150	88	-23	-1	0	0	45								Tipo di acciaio non contemplato
1I	150	-273	-57	1	0	0	12								Tipo di acciaio non contemplato
1J	150	-273	-38	1	0	0	30								Tipo di acciaio non contemplato
1K	150	-273	-57	-1	0	0	12								Tipo di acciaio non contemplato
1L	150	-273	-38	-1	0	0	30								Tipo di acciaio non contemplato
1M	150	-91	-57	1	0	0	12								Tipo di acciaio non contemplato
1N	150	-91	-38	1	0	0	30								Tipo di acciaio non contemplato
1O	150	-91	-57	-1	0	0	12								Tipo di acciaio non contemplato
1P	150	-91	-38	-1	0	0	30								Tipo di acciaio non contemplato
2	150	-897	-381	0	0	0	89								Tipo di acciaio non contemplato
7	150	-699	-286	0	0	0	70								Tipo di acciaio non contemplato
8	150	-699	-285	0	0	0	70								Tipo di acciaio non contemplato

ASTA NUM. 46 NI 787 NF 777 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-561	15	10	0	8	45								Tipo di acciaio non contemplato
1B	0	-561	49	10	0	8	-4								Tipo di acciaio non contemplato
1C	0	-561	15	-10	0	-8	45								Tipo di acciaio non contemplato
1D	0	-561	49	-10	0	-8	-4								Tipo di acciaio non contemplato
1E	0	-268	15	10	0	8	45								Tipo di acciaio non contemplato
1F	0	-268	49	10	0	8	-4								Tipo di acciaio non contemplato
1G	0	-268	15	-10	0	-8	45								Tipo di acciaio non contemplato
1H	0	-268	49	-10	0	-8	-4								Tipo di acciaio non contemplato
1I	0	-476	25	26	0	20	30								Tipo di acciaio non contemplato
1J	0	-476	39	26	0	20	12								Tipo di acciaio non contemplato
1K	0	-476	25	-26	0	-20	30								Tipo di acciaio non contemplato

1L	0	-476	39	-26	0	-20	12	Tipo di acciaio non contemplato
1M	0	-354	25	26	0	20	30	Tipo di acciaio non contemplato
1N	0	-354	39	26	0	20	12	Tipo di acciaio non contemplato
1O	0	-354	25	-26	0	-20	30	Tipo di acciaio non contemplato
1P	0	-354	39	-26	0	-20	12	Tipo di acciaio non contemplato
2	0	-2019	309	-6	0	-5	88	Tipo di acciaio non contemplato
7	0	-1571	230	-7	0	-5	69	Tipo di acciaio non contemplato
8	0	-1575	229	-4	0	-3	70	Tipo di acciaio non contemplato
1A	75	-561	-46	10	0	0	33	Tipo di acciaio non contemplato
1B	75	-561	-13	10	0	0	10	Tipo di acciaio non contemplato
1C	75	-561	-46	-10	0	0	33	Tipo di acciaio non contemplato
1D	75	-561	-13	-10	0	0	10	Tipo di acciaio non contemplato
1E	75	-268	-46	10	0	0	33	Tipo di acciaio non contemplato
1F	75	-268	-13	10	0	0	10	Tipo di acciaio non contemplato
1G	75	-268	-46	-10	0	0	33	Tipo di acciaio non contemplato
1H	75	-268	-13	-10	0	0	10	Tipo di acciaio non contemplato
1I	75	-476	-37	26	0	0	25	Tipo di acciaio non contemplato
1J	75	-476	-22	26	0	0	18	Tipo di acciaio non contemplato
1K	75	-476	-37	-26	0	0	25	Tipo di acciaio non contemplato
1L	75	-476	-22	-26	0	0	18	Tipo di acciaio non contemplato
1M	75	-354	-37	26	0	0	25	Tipo di acciaio non contemplato
1N	75	-354	-22	26	0	0	18	Tipo di acciaio non contemplato
1O	75	-354	-37	-26	0	0	25	Tipo di acciaio non contemplato
1P	75	-354	-22	-26	0	0	18	Tipo di acciaio non contemplato
2	75	-2019	-134	-6	0	0	154	Tipo di acciaio non contemplato
7	75	-1571	-104	-7	0	0	116	Tipo di acciaio non contemplato
8	75	-1575	-105	-4	0	0	116	Tipo di acciaio non contemplato
1A	150	-561	-108	10	0	-8	-26	Tipo di acciaio non contemplato
1B	150	-561	-74	10	0	-8	-21	Tipo di acciaio non contemplato
1C	150	-561	-108	-10	0	8	-26	Tipo di acciaio non contemplato
1D	150	-561	-74	-10	0	8	-21	Tipo di acciaio non contemplato
1E	150	-268	-108	10	0	-8	-26	Tipo di acciaio non contemplato
1F	150	-268	-74	10	0	-8	-21	Tipo di acciaio non contemplato
1G	150	-268	-108	-10	0	8	-26	Tipo di acciaio non contemplato
1H	150	-268	-74	-10	0	8	-21	Tipo di acciaio non contemplato
1I	150	-476	-98	26	0	-20	-26	Tipo di acciaio non contemplato
1J	150	-476	-84	26	0	-20	-21	Tipo di acciaio non contemplato
1K	150	-476	-98	-26	0	20	-26	Tipo di acciaio non contemplato
1L	150	-476	-84	-26	0	20	-21	Tipo di acciaio non contemplato
1M	150	-354	-98	26	0	-20	-26	Tipo di acciaio non contemplato
1N	150	-354	-84	26	0	-20	-21	Tipo di acciaio non contemplato
1O	150	-354	-98	-26	0	20	-26	Tipo di acciaio non contemplato
1P	150	-354	-84	-26	0	20	-21	Tipo di acciaio non contemplato
2	150	-2019	-577	-6	0	5	-112	Tipo di acciaio non contemplato
7	150	-1571	-438	-7	0	5	-87	Tipo di acciaio non contemplato
8	150	-1575	-439	-4	0	3	-88	Tipo di acciaio non contemplato

ASTA NUM. 47 NI 777 NF 767 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-680	73	10	0	8	-20								Tipo di acciaio non contemplato
1B	0	-680	113	10	0	8	-27								Tipo di acciaio non contemplato
1C	0	-680	73	-10	0	-7	-20								Tipo di acciaio non contemplato
1D	0	-680	113	-10	0	-7	-27								Tipo di acciaio non contemplato
1E	0	-153	73	10	0	8	-20								Tipo di acciaio non contemplato
1F	0	-153	113	10	0	8	-27								Tipo di acciaio non contemplato
1G	0	-153	73	-10	0	-7	-20								Tipo di acciaio non contemplato
1H	0	-153	113	-10	0	-7	-27								Tipo di acciaio non contemplato
1I	0	-512	84	28	0	21	-20								Tipo di acciaio non contemplato
1J	0	-512	102	28	0	21	-27								Tipo di acciaio non contemplato
1K	0	-512	84	-27	0	-20	-20								Tipo di acciaio non contemplato
1L	0	-512	102	-27	0	-20	-27								Tipo di acciaio non contemplato
1M	0	-322	84	28	0	21	-20								Tipo di acciaio non contemplato
1N	0	-322	102	28	0	21	-27								Tipo di acciaio non contemplato
1O	0	-322	84	-27	0	-20	-20								Tipo di acciaio non contemplato
1P	0	-322	102	-27	0	-20	-27								Tipo di acciaio non contemplato
2	0	-2035	593	-4	0	-3	-113								Tipo di acciaio non contemplato
7	0	-1583	450	-5	0	-4	-87								Tipo di acciaio non contemplato
8	0	-1587	451	-3	0	-2	-88								Tipo di acciaio non contemplato
1A	75	-680	11	10	0	0	12								Tipo di acciaio non contemplato
1B	75	-680	52	10	0	0	35								Tipo di acciaio non contemplato
1C	75	-680	11	-10	0	0	12								Tipo di acciaio non contemplato
1D	75	-680	52	-10	0	0	35								Tipo di acciaio non contemplato
1E	75	-153	11	10	0	0	12								Tipo di acciaio non contemplato
1F	75	-153	52	10	0	0	35								Tipo di acciaio non contemplato
1G	75	-153	11	-10	0	0	12								Tipo di acciaio non contemplato
1H	75	-153	52	-10	0	0	35								Tipo di acciaio non contemplato
1I	75	-512	23	28	0	0	20								Tipo di acciaio non contemplato
1J	75	-512	40	28	0	0	27								Tipo di acciaio non contemplato
1K	75	-512	23	-27	0	0	20								Tipo di acciaio non contemplato
1L	75	-512	40	-27	0	0	27								Tipo di acciaio non contemplato
1M	75	-322	23	28	0	0	20								Tipo di acciaio non contemplato
1N	75	-322	40	28	0	0	27								Tipo di acciaio non contemplato
1O	75	-322	23	-27	0	0	20								Tipo di acciaio non contemplato
1P	75	-322	40	-27	0	0	27								Tipo di acciaio non contemplato
2	75	-2035	150	-4	0	0	166								Tipo di acciaio non contemplato
7	75	-1583	116	-5	0	0	125								Tipo di acciaio non contemplato

8	75	-1587	117	-3	0	0	125							Tipo di acciaio non contemplato
1A	150	-680	-50	10	0	-8	-3							Tipo di acciaio non contemplato
1B	150	-680	-10	10	0	-8	51							Tipo di acciaio non contemplato
1C	150	-680	-50	-10	0	7	-3							Tipo di acciaio non contemplato
1D	150	-680	-10	-10	0	7	51							Tipo di acciaio non contemplato
1E	150	-153	-50	10	0	-8	-3							Tipo di acciaio non contemplato
1F	150	-153	-10	10	0	-8	51							Tipo di acciaio non contemplato
1G	150	-153	-50	-10	0	7	-3							Tipo di acciaio non contemplato
1H	150	-153	-10	-10	0	7	51							Tipo di acciaio non contemplato
1I	150	-512	-39	28	0	-21	14							Tipo di acciaio non contemplato
1J	150	-512	-21	28	0	-21	34							Tipo di acciaio non contemplato
1K	150	-512	-39	-27	0	20	14							Tipo di acciaio non contemplato
1L	150	-512	-21	-27	0	20	34							Tipo di acciaio non contemplato
1M	150	-322	-39	28	0	-21	14							Tipo di acciaio non contemplato
1N	150	-322	-21	28	0	-21	34							Tipo di acciaio non contemplato
1O	150	-322	-39	-27	0	20	14							Tipo di acciaio non contemplato
1P	150	-322	-21	-27	0	20	34							Tipo di acciaio non contemplato
2	150	-2035	-293	-4	0	3	113							Tipo di acciaio non contemplato
7	150	-1583	-218	-5	0	4	88							Tipo di acciaio non contemplato
8	150	-1587	-217	-3	0	2	88							Tipo di acciaio non contemplato

ASTA NUM. 48 NI 767 NF 754 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-262	27	0	0	0	50								Tipo di acciaio non contemplato
1B	0	-262	62	0	0	0	-2								Tipo di acciaio non contemplato
1C	0	-262	27	-1	0	0	50								Tipo di acciaio non contemplato
1D	0	-262	62	-1	0	0	-2								Tipo di acciaio non contemplato
1E	0	-37	27	0	0	0	50								Tipo di acciaio non contemplato
1F	0	-37	62	0	0	0	-2								Tipo di acciaio non contemplato
1G	0	-37	27	-1	0	0	50								Tipo di acciaio non contemplato
1H	0	-37	62	-1	0	0	-2								Tipo di acciaio non contemplato
1I	0	-195	38	1	0	0	34								Tipo di acciaio non contemplato
1J	0	-195	51	1	0	0	15								Tipo di acciaio non contemplato
1K	0	-195	38	-1	0	0	34								Tipo di acciaio non contemplato
1L	0	-195	51	-1	0	0	15								Tipo di acciaio non contemplato
1M	0	-104	38	1	0	0	34								Tipo di acciaio non contemplato
1N	0	-104	51	1	0	0	15								Tipo di acciaio non contemplato
1O	0	-104	38	-1	0	0	34								Tipo di acciaio non contemplato
1P	0	-104	51	-1	0	0	15								Tipo di acciaio non contemplato
2	0	-820	362	-1	0	0	114								Tipo di acciaio non contemplato
7	0	-630	271	-1	0	0	89								Tipo di acciaio non contemplato
8	0	-633	271	-0	0	0	89								Tipo di acciaio non contemplato
1A	75	-262	-35	0	0	0	47								Tipo di acciaio non contemplato
1B	75	-262	1	0	0	0	22								Tipo di acciaio non contemplato
1C	75	-262	-35	-1	0	0	47								Tipo di acciaio non contemplato
1D	75	-262	1	-1	0	0	22								Tipo di acciaio non contemplato
1E	75	-37	-35	0	0	0	47								Tipo di acciaio non contemplato
1F	75	-37	1	0	0	0	22								Tipo di acciaio non contemplato
1G	75	-37	-35	-1	0	0	47								Tipo di acciaio non contemplato
1H	75	-37	1	-1	0	0	22								Tipo di acciaio non contemplato
1I	75	-195	-23	1	0	0	39								Tipo di acciaio non contemplato
1J	75	-195	-10	1	0	0	30								Tipo di acciaio non contemplato
1K	75	-195	-23	-1	0	0	39								Tipo di acciaio non contemplato
1L	75	-195	-10	-1	0	0	30								Tipo di acciaio non contemplato
1M	75	-104	-23	1	0	0	39								Tipo di acciaio non contemplato
1N	75	-104	-10	1	0	0	30								Tipo di acciaio non contemplato
1O	75	-104	-23	-1	0	0	39								Tipo di acciaio non contemplato
1P	75	-104	-10	-1	0	0	30								Tipo di acciaio non contemplato
2	75	-820	-81	-1	0	0	219								Tipo di acciaio non contemplato
7	75	-630	-63	-1	0	0	167								Tipo di acciaio non contemplato
8	75	-633	-63	-0	0	0	167								Tipo di acciaio non contemplato
1A	150	-262	-96	0	0	0	-2								Tipo di acciaio non contemplato
1B	150	-262	-61	0	0	0	0								Tipo di acciaio non contemplato
1C	150	-262	-96	-1	0	0	-2								Tipo di acciaio non contemplato
1D	150	-262	-61	-1	0	0	0								Tipo di acciaio non contemplato
1E	150	-37	-96	0	0	0	-2								Tipo di acciaio non contemplato
1F	150	-37	-61	0	0	0	0								Tipo di acciaio non contemplato
1G	150	-37	-96	-1	0	0	-2								Tipo di acciaio non contemplato
1H	150	-37	-61	-1	0	0	0								Tipo di acciaio non contemplato
1I	150	-195	-85	1	0	0	-2								Tipo di acciaio non contemplato
1J	150	-195	-72	1	0	0	0								Tipo di acciaio non contemplato
1K	150	-195	-85	-1	0	0	-2								Tipo di acciaio non contemplato
1L	150	-195	-72	-1	0	0	0								Tipo di acciaio non contemplato
1M	150	-104	-85	1	0	0	-2								Tipo di acciaio non contemplato
1N	150	-104	-72	1	0	0	0								Tipo di acciaio non contemplato
1O	150	-104	-85	-1	0	0	-2								Tipo di acciaio non contemplato
1P	150	-104	-72	-1	0	0	0								Tipo di acciaio non contemplato
2	150	-820	-524	-1	0	0	-7								Tipo di acciaio non contemplato
7	150	-630	-397	-1	0	0	-6								Tipo di acciaio non contemplato
8	150	-633	-397	-0	0	0	-6								Tipo di acciaio non contemplato

ASTA NUM. 49 NI 746 NF 798 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-468	71	5	0	4	-26								Tipo di acciaio non contemplato
1B	0	-468	101	5	0	4	-45								Tipo di acciaio non contemplato
1C	0	-468	71	-6	0	-4	-26								Tipo di acciaio non contemplato
1D	0	-468	101	-6	0	-4	-45								Tipo di acciaio non contemplato
1E	0	472	71	5	0	4	-26								Tipo di acciaio non contemplato
1F	0	472	101	5	0	4	-45								Tipo di acciaio non contemplato
1G	0	472	71	-6	0	-4	-26								Tipo di acciaio non contemplato
1H	0	472	101	-6	0	-4	-45								Tipo di acciaio non contemplato
1I	0	-150	81	15	0	11	-32								Tipo di acciaio non contemplato
1J	0	-150	92	15	0	11	-39								Tipo di acciaio non contemplato
1K	0	-150	81	-16	0	-12	-32								Tipo di acciaio non contemplato
1L	0	-150	92	-16	0	-12	-39								Tipo di acciaio non contemplato
1M	0	155	81	15	0	11	-32								Tipo di acciaio non contemplato
1N	0	155	92	15	0	11	-39								Tipo di acciaio non contemplato
1O	0	155	81	-16	0	-12	-32								Tipo di acciaio non contemplato
1P	0	155	92	-16	0	-12	-39								Tipo di acciaio non contemplato
2	0	7	563	-7	0	-4	-177								Tipo di acciaio non contemplato
7	0	5	428	-7	0	-5	-139								Tipo di acciaio non contemplato
8	0	6	428	-4	0	-3	-138								Tipo di acciaio non contemplato
1A	75	-468	9	5	0	0	4								Tipo di acciaio non contemplato
1B	75	-468	40	5	0	0	9								Tipo di acciaio non contemplato
1C	75	-468	9	-6	0	0	4								Tipo di acciaio non contemplato
1D	75	-468	40	-6	0	0	9								Tipo di acciaio non contemplato
1E	75	472	9	5	0	0	4								Tipo di acciaio non contemplato
1F	75	472	40	5	0	0	9								Tipo di acciaio non contemplato
1G	75	472	9	-6	0	0	4								Tipo di acciaio non contemplato
1H	75	472	40	-6	0	0	9								Tipo di acciaio non contemplato
1I	75	-150	19	15	0	0	5								Tipo di acciaio non contemplato
1J	75	-150	30	15	0	0	7								Tipo di acciaio non contemplato
1K	75	-150	19	-16	0	0	5								Tipo di acciaio non contemplato
1L	75	-150	30	-16	0	0	7								Tipo di acciaio non contemplato
1M	75	155	19	15	0	0	5								Tipo di acciaio non contemplato
1N	75	155	30	15	0	0	7								Tipo di acciaio non contemplato
1O	75	155	19	-16	0	0	5								Tipo di acciaio non contemplato
1P	75	155	30	-16	0	0	7								Tipo di acciaio non contemplato
2	75	7	120	-7	0	0	79								Tipo di acciaio non contemplato
7	75	5	95	-7	0	0	57								Tipo di acciaio non contemplato
8	75	6	94	-4	0	0	57								Tipo di acciaio non contemplato
1A	150	-468	-52	5	0	-4	-13								Tipo di acciaio non contemplato
1B	150	-468	-22	5	0	-4	16								Tipo di acciaio non contemplato
1C	150	-468	-52	-6	0	5	-13								Tipo di acciaio non contemplato
1D	150	-468	-22	-6	0	5	16								Tipo di acciaio non contemplato
1E	150	472	-52	5	0	-4	-13								Tipo di acciaio non contemplato
1F	150	472	-22	5	0	-4	16								Tipo di acciaio non contemplato
1G	150	472	-52	-6	0	5	-13								Tipo di acciaio non contemplato
1H	150	472	-22	-6	0	5	16								Tipo di acciaio non contemplato
1I	150	-150	-42	15	0	-11	-3								Tipo di acciaio non contemplato
1J	150	-150	-31	15	0	-11	7								Tipo di acciaio non contemplato
1K	150	-150	-42	-16	0	12	-3								Tipo di acciaio non contemplato
1L	150	-150	-31	-16	0	12	7								Tipo di acciaio non contemplato
1M	150	155	-42	15	0	-11	-3								Tipo di acciaio non contemplato
1N	150	155	-31	15	0	-11	7								Tipo di acciaio non contemplato
1O	150	155	-42	-16	0	12	-3								Tipo di acciaio non contemplato
1P	150	155	-31	-16	0	12	7								Tipo di acciaio non contemplato
2	150	7	-323	-7	0	5	3								Tipo di acciaio non contemplato
7	150	5	-239	-7	0	6	3								Tipo di acciaio non contemplato
8	150	6	-240	-4	0	4	2								Tipo di acciaio non contemplato

ASTA NUM. 50 NI 747 NF 797 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-470	71	6	0	4	-26								Tipo di acciaio non contemplato
1B	0	-470	102	6	0	4	-45								Tipo di acciaio non contemplato
1C	0	-470	71	-6	0	-5	-26								Tipo di acciaio non contemplato
1D	0	-470	102	-6	0	-5	-45								Tipo di acciaio non contemplato
1E	0	475	71	6	0	4	-26								Tipo di acciaio non contemplato
1F	0	475	102	6	0	4	-45								Tipo di acciaio non contemplato
1G	0	475	71	-6	0	-5	-26								Tipo di acciaio non contemplato
1H	0	475	102	-6	0	-5	-45								Tipo di acciaio non contemplato
1I	0	-151	80	15	0	11	-31								Tipo di acciaio non contemplato
1J	0	-151	92	15	0	11	-40								Tipo di acciaio non contemplato
1K	0	-151	80	-15	0	-12	-31								Tipo di acciaio non contemplato
1L	0	-151	92	-15	0	-12	-40								Tipo di acciaio non contemplato
1M	0	156	80	15	0	11	-31								Tipo di acciaio non contemplato
1N	0	156	92	15	0	11	-40								Tipo di acciaio non contemplato
1O	0	156	80	-15	0	-12	-31								Tipo di acciaio non contemplato
1P	0	156	92	-15	0	-12	-40								Tipo di acciaio non contemplato
2	0	7	563	-5	0	-4	-178								Tipo di acciaio non contemplato
7	0	6	429	-6	0	-5	-139								Tipo di acciaio non contemplato
8	0	6	428	-3	0	-3	-138								Tipo di acciaio non contemplato
1A	75	-470	9	6	0	0	4								Tipo di acciaio non contemplato

1B	75	-470	40	6	0	0	9	Tipo di acciaio non contemplato
1C	75	-470	9	-6	0	0	4	Tipo di acciaio non contemplato
1D	75	-470	40	-6	0	0	9	Tipo di acciaio non contemplato
1E	75	475	9	6	0	0	4	Tipo di acciaio non contemplato
1F	75	475	40	6	0	0	9	Tipo di acciaio non contemplato
1G	75	475	9	-6	0	0	4	Tipo di acciaio non contemplato
1H	75	475	40	-6	0	0	9	Tipo di acciaio non contemplato
1I	75	-151	18	15	0	0	6	Tipo di acciaio non contemplato
1J	75	-151	31	15	0	0	7	Tipo di acciaio non contemplato
1K	75	-151	18	-15	0	0	6	Tipo di acciaio non contemplato
1L	75	-151	31	-15	0	0	7	Tipo di acciaio non contemplato
1M	75	156	18	15	0	0	6	Tipo di acciaio non contemplato
1N	75	156	31	15	0	0	7	Tipo di acciaio non contemplato
1O	75	156	18	-15	0	0	6	Tipo di acciaio non contemplato
1P	75	156	31	-15	0	0	7	Tipo di acciaio non contemplato
2	75	7	121	-5	0	0	79	Tipo di acciaio non contemplato
7	75	6	95	-6	0	0	57	Tipo di acciaio non contemplato
8	75	6	94	-3	0	0	58	Tipo di acciaio non contemplato
1A	150	-470	-52	6	0	-4	-13	Tipo di acciaio non contemplato
1B	150	-470	-21	6	0	-4	16	Tipo di acciaio non contemplato
1C	150	-470	-52	-6	0	4	-13	Tipo di acciaio non contemplato
1D	150	-470	-21	-6	0	4	16	Tipo di acciaio non contemplato
1E	150	475	-52	6	0	-4	-13	Tipo di acciaio non contemplato
1F	150	475	-21	6	0	-4	16	Tipo di acciaio non contemplato
1G	150	475	-52	-6	0	4	-13	Tipo di acciaio non contemplato
1H	150	475	-21	-6	0	4	16	Tipo di acciaio non contemplato
1I	150	-151	-43	15	0	-12	-4	Tipo di acciaio non contemplato
1J	150	-151	-31	15	0	-12	7	Tipo di acciaio non contemplato
1K	150	-151	-43	-15	0	12	-4	Tipo di acciaio non contemplato
1L	150	-151	-31	-15	0	12	7	Tipo di acciaio non contemplato
1M	150	156	-43	15	0	-12	-4	Tipo di acciaio non contemplato
1N	150	156	-31	15	0	-12	7	Tipo di acciaio non contemplato
1O	150	156	-43	-15	0	12	-4	Tipo di acciaio non contemplato
1P	150	156	-31	-15	0	12	7	Tipo di acciaio non contemplato
2	150	7	-322	-5	0	3	3	Tipo di acciaio non contemplato
7	150	6	-239	-6	0	4	4	Tipo di acciaio non contemplato
8	150	6	-240	-3	0	2	3	Tipo di acciaio non contemplato

ASTA NUM. 51 NI 816 NF 826 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-264	61	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-264	96	1	0	0	-2								Tipo di acciaio non contemplato
1C	0	-264	61	-1	0	0	0								Tipo di acciaio non contemplato
1D	0	-264	96	-1	0	0	-2								Tipo di acciaio non contemplato
1E	0	-37	61	1	0	0	0								Tipo di acciaio non contemplato
1F	0	-37	96	1	0	0	-2								Tipo di acciaio non contemplato
1G	0	-37	61	-1	0	0	0								Tipo di acciaio non contemplato
1H	0	-37	96	-1	0	0	-2								Tipo di acciaio non contemplato
1I	0	-193	72	1	0	0	0								Tipo di acciaio non contemplato
1J	0	-193	86	1	0	0	-2								Tipo di acciaio non contemplato
1K	0	-193	72	-1	0	0	0								Tipo di acciaio non contemplato
1L	0	-193	86	-1	0	0	-2								Tipo di acciaio non contemplato
1M	0	-109	72	1	0	0	0								Tipo di acciaio non contemplato
1N	0	-109	86	1	0	0	-2								Tipo di acciaio non contemplato
1O	0	-109	72	-1	0	0	0								Tipo di acciaio non contemplato
1P	0	-109	86	-1	0	0	-2								Tipo di acciaio non contemplato
2	0	-827	525	-0	0	0	-8								Tipo di acciaio non contemplato
7	0	-637	398	-0	0	0	-6								Tipo di acciaio non contemplato
8	0	-638	398	-0	0	0	-6								Tipo di acciaio non contemplato
1A	75	-264	-0	1	0	0	22								Tipo di acciaio non contemplato
1B	75	-264	35	1	0	0	47								Tipo di acciaio non contemplato
1C	75	-264	-0	-1	0	0	22								Tipo di acciaio non contemplato
1D	75	-264	35	-1	0	0	47								Tipo di acciaio non contemplato
1E	75	-37	-0	1	0	0	22								Tipo di acciaio non contemplato
1F	75	-37	35	1	0	0	47								Tipo di acciaio non contemplato
1G	75	-37	-0	-1	0	0	22								Tipo di acciaio non contemplato
1H	75	-37	35	-1	0	0	47								Tipo di acciaio non contemplato
1I	75	-193	10	1	0	0	30								Tipo di acciaio non contemplato
1J	75	-193	24	1	0	0	40								Tipo di acciaio non contemplato
1K	75	-193	10	-1	0	0	30								Tipo di acciaio non contemplato
1L	75	-193	24	-1	0	0	40								Tipo di acciaio non contemplato
1M	75	-109	10	1	0	0	30								Tipo di acciaio non contemplato
1N	75	-109	24	1	0	0	40								Tipo di acciaio non contemplato
1O	75	-109	10	-1	0	0	30								Tipo di acciaio non contemplato
1P	75	-109	24	-1	0	0	40								Tipo di acciaio non contemplato
2	75	-827	82	-0	0	0	220								Tipo di acciaio non contemplato
7	75	-637	64	-0	0	0	168								Tipo di acciaio non contemplato
8	75	-638	64	-0	0	0	168								Tipo di acciaio non contemplato
1A	150	-264	-62	1	0	0	-1								Tipo di acciaio non contemplato
1B	150	-264	-27	1	0	0	50								Tipo di acciaio non contemplato
1C	150	-264	-62	-1	0	0	-1								Tipo di acciaio non contemplato
1D	150	-264	-27	-1	0	0	50								Tipo di acciaio non contemplato
1E	150	-37	-62	1	0	0	-1								Tipo di acciaio non contemplato
1F	150	-37	-27	1	0	0	50								Tipo di acciaio non contemplato
1G	150	-37	-62	-1	0	0	-1								Tipo di acciaio non contemplato
1H	150	-37	-27	-1	0	0	50								Tipo di acciaio non contemplato

1I	150	-193	-51	1	0	0	14							Tipo di acciaio non contemplato
1J	150	-193	-37	1	0	0	35							Tipo di acciaio non contemplato
1K	150	-193	-51	-1	0	0	14							Tipo di acciaio non contemplato
1L	150	-193	-37	-1	0	0	35							Tipo di acciaio non contemplato
1M	150	-109	-51	1	0	0	14							Tipo di acciaio non contemplato
1N	150	-109	-37	1	0	0	35							Tipo di acciaio non contemplato
1O	150	-109	-51	-1	0	0	14							Tipo di acciaio non contemplato
1P	150	-109	-37	-1	0	0	35							Tipo di acciaio non contemplato
2	150	-827	-360	-0	0	0	116							Tipo di acciaio non contemplato
7	150	-637	-270	-0	0	0	91							Tipo di acciaio non contemplato
8	150	-638	-270	-0	0	0	91							Tipo di acciaio non contemplato

ASTA NUM. 52 NI 826 NF 836 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-687	10	10	0	8	51								Tipo di acciaio non contemplato
1B	0	-687	50	10	0	8	-3								Tipo di acciaio non contemplato
1C	0	-687	10	-11	0	-8	51								Tipo di acciaio non contemplato
1D	0	-687	50	-11	0	-8	-3								Tipo di acciaio non contemplato
1E	0	-159	10	10	0	8	51								Tipo di acciaio non contemplato
1F	0	-159	50	10	0	8	-3								Tipo di acciaio non contemplato
1G	0	-159	10	-11	0	-8	51								Tipo di acciaio non contemplato
1H	0	-159	50	-11	0	-8	-3								Tipo di acciaio non contemplato
1I	0	-525	21	27	0	20	35								Tipo di acciaio non contemplato
1J	0	-525	39	27	0	20	13								Tipo di acciaio non contemplato
1K	0	-525	21	-27	0	-21	35								Tipo di acciaio non contemplato
1L	0	-525	39	-27	0	-21	13								Tipo di acciaio non contemplato
1M	0	-321	21	27	0	20	35								Tipo di acciaio non contemplato
1N	0	-321	39	27	0	20	13								Tipo di acciaio non contemplato
1O	0	-321	21	-27	0	-21	35								Tipo di acciaio non contemplato
1P	0	-321	39	-27	0	-21	13								Tipo di acciaio non contemplato
2	0	-2056	290	5	0	4	115								Tipo di acciaio non contemplato
7	0	-1604	215	5	0	4	90								Tipo di acciaio non contemplato
8	0	-1604	215	3	0	2	90								Tipo di acciaio non contemplato
1A	75	-687	-52	10	0	0	35								Tipo di acciaio non contemplato
1B	75	-687	-12	10	0	0	12								Tipo di acciaio non contemplato
1C	75	-687	-52	-11	0	0	35								Tipo di acciaio non contemplato
1D	75	-687	-12	-11	0	0	12								Tipo di acciaio non contemplato
1E	75	-159	-52	10	0	0	35								Tipo di acciaio non contemplato
1F	75	-159	-12	10	0	0	12								Tipo di acciaio non contemplato
1G	75	-159	-52	-11	0	0	35								Tipo di acciaio non contemplato
1H	75	-159	-12	-11	0	0	12								Tipo di acciaio non contemplato
1I	75	-525	-41	27	0	0	27								Tipo di acciaio non contemplato
1J	75	-525	-23	27	0	0	20								Tipo di acciaio non contemplato
1K	75	-525	-41	-27	0	0	27								Tipo di acciaio non contemplato
1L	75	-525	-23	-27	0	0	20								Tipo di acciaio non contemplato
1M	75	-321	-41	27	0	0	27								Tipo di acciaio non contemplato
1N	75	-321	-23	27	0	0	20								Tipo di acciaio non contemplato
1O	75	-321	-41	-27	0	0	27								Tipo di acciaio non contemplato
1P	75	-321	-23	-27	0	0	20								Tipo di acciaio non contemplato
2	75	-2056	-152	5	0	0	166								Tipo di acciaio non contemplato
7	75	-1604	-119	5	0	0	126								Tipo di acciaio non contemplato
8	75	-1604	-119	3	0	0	126								Tipo di acciaio non contemplato
1A	150	-687	-113	10	0	-8	-27								Tipo di acciaio non contemplato
1B	150	-687	-74	10	0	-8	-20								Tipo di acciaio non contemplato
1C	150	-687	-113	-11	0	8	-27								Tipo di acciaio non contemplato
1D	150	-687	-74	-11	0	8	-20								Tipo di acciaio non contemplato
1E	150	-159	-113	10	0	-8	-27								Tipo di acciaio non contemplato
1F	150	-159	-74	10	0	-8	-20								Tipo di acciaio non contemplato
1G	150	-159	-113	-11	0	8	-27								Tipo di acciaio non contemplato
1H	150	-159	-74	-11	0	8	-20								Tipo di acciaio non contemplato
1I	150	-525	-102	27	0	-20	-26								Tipo di acciaio non contemplato
1J	150	-525	-84	27	0	-20	-20								Tipo di acciaio non contemplato
1K	150	-525	-102	-27	0	21	-26								Tipo di acciaio non contemplato
1L	150	-525	-84	-27	0	21	-20								Tipo di acciaio non contemplato
1M	150	-321	-102	27	0	-20	-26								Tipo di acciaio non contemplato
1N	150	-321	-84	27	0	-20	-20								Tipo di acciaio non contemplato
1O	150	-321	-102	-27	0	21	-26								Tipo di acciaio non contemplato
1P	150	-321	-84	-27	0	21	-20								Tipo di acciaio non contemplato
2	150	-2056	-595	5	0	-4	-114								Tipo di acciaio non contemplato
7	150	-1604	-453	5	0	-4	-88								Tipo di acciaio non contemplato
8	150	-1604	-453	3	0	-2	-89								Tipo di acciaio non contemplato

ASTA NUM. 53 NI 836 NF 846 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-570	73	10	0	7	-21								Tipo di acciaio non contemplato
1B	0	-570	108	10	0	7	-26								Tipo di acciaio non contemplato
1C	0	-570	73	-9	0	-7	-21								Tipo di acciaio non contemplato
1D	0	-570	108	-9	0	-7	-26								Tipo di acciaio non contemplato

1E	0	-271	73	10	0	7	-21	Tipo di acciaio non contemplato
1F	0	-271	108	10	0	7	-26	Tipo di acciaio non contemplato
1G	0	-271	73	-9	0	-7	-21	Tipo di acciaio non contemplato
1H	0	-271	108	-9	0	-7	-26	Tipo di acciaio non contemplato
1I	0	-491	84	26	0	20	-21	Tipo di acciaio non contemplato
1J	0	-491	97	26	0	20	-25	Tipo di acciaio non contemplato
1K	0	-491	84	-26	0	-19	-21	Tipo di acciaio non contemplato
1L	0	-491	97	-26	0	-19	-25	Tipo di acciaio non contemplato
1M	0	-350	84	26	0	20	-21	Tipo di acciaio non contemplato
1N	0	-350	97	26	0	20	-25	Tipo di acciaio non contemplato
1O	0	-350	84	-26	0	-19	-21	Tipo di acciaio non contemplato
1P	0	-350	97	-26	0	-19	-25	Tipo di acciaio non contemplato
2	0	-2040	578	7	0	5	-114	Tipo di acciaio non contemplato
7	0	-1592	439	8	0	6	-88	Tipo di acciaio non contemplato
8	0	-1592	440	5	0	3	-89	Tipo di acciaio non contemplato
1A	75	-570	12	10	0	0	10	Tipo di acciaio non contemplato
1B	75	-570	46	10	0	0	33	Tipo di acciaio non contemplato
1C	75	-570	12	-9	0	0	10	Tipo di acciaio non contemplato
1D	75	-570	46	-9	0	0	33	Tipo di acciaio non contemplato
1E	75	-271	12	10	0	0	10	Tipo di acciaio non contemplato
1F	75	-271	46	10	0	0	33	Tipo di acciaio non contemplato
1G	75	-271	12	-9	0	0	10	Tipo di acciaio non contemplato
1H	75	-271	46	-9	0	0	33	Tipo di acciaio non contemplato
1I	75	-491	23	26	0	0	18	Tipo di acciaio non contemplato
1J	75	-491	36	26	0	0	25	Tipo di acciaio non contemplato
1K	75	-491	23	-26	0	0	18	Tipo di acciaio non contemplato
1L	75	-491	36	-26	0	0	25	Tipo di acciaio non contemplato
1M	75	-350	23	26	0	0	18	Tipo di acciaio non contemplato
1N	75	-350	36	26	0	0	25	Tipo di acciaio non contemplato
1O	75	-350	23	-26	0	0	18	Tipo di acciaio non contemplato
1P	75	-350	36	-26	0	0	25	Tipo di acciaio non contemplato
2	75	-2040	135	7	0	0	154	Tipo di acciaio non contemplato
7	75	-1592	105	8	0	0	116	Tipo di acciaio non contemplato
8	75	-1592	106	5	0	0	116	Tipo di acciaio non contemplato
1A	150	-570	-50	10	0	-7	-4	Tipo di acciaio non contemplato
1B	150	-570	-15	10	0	-7	45	Tipo di acciaio non contemplato
1C	150	-570	-50	-9	0	7	-4	Tipo di acciaio non contemplato
1D	150	-570	-15	-9	0	7	45	Tipo di acciaio non contemplato
1E	150	-271	-50	10	0	-7	-4	Tipo di acciaio non contemplato
1F	150	-271	-15	10	0	-7	45	Tipo di acciaio non contemplato
1G	150	-271	-50	-9	0	7	-4	Tipo di acciaio non contemplato
1H	150	-271	-15	-9	0	7	45	Tipo di acciaio non contemplato
1I	150	-491	-39	26	0	-20	12	Tipo di acciaio non contemplato
1J	150	-491	-26	26	0	-20	29	Tipo di acciaio non contemplato
1K	150	-491	-39	-26	0	19	12	Tipo di acciaio non contemplato
1L	150	-491	-26	-26	0	19	29	Tipo di acciaio non contemplato
1M	150	-350	-39	26	0	-20	12	Tipo di acciaio non contemplato
1N	150	-350	-26	26	0	-20	29	Tipo di acciaio non contemplato
1O	150	-350	-39	-26	0	19	12	Tipo di acciaio non contemplato
1P	150	-350	-26	-26	0	19	29	Tipo di acciaio non contemplato
2	150	-2040	-308	7	0	-5	89	Tipo di acciaio non contemplato
7	150	-1592	-229	8	0	-6	70	Tipo di acciaio non contemplato
8	150	-1592	-228	5	0	-3	70	Tipo di acciaio non contemplato

ASTA NUM. 54 NI 846 NF 856 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-457	23	1	0	0	44								Tipo di acciaio non contemplato
1B	0	-457	73	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-457	23	-1	0	0	44								Tipo di acciaio non contemplato
1D	0	-457	73	-1	0	0	-3								Tipo di acciaio non contemplato
1E	0	88	23	1	0	0	44								Tipo di acciaio non contemplato
1F	0	88	73	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	88	23	-1	0	0	44								Tipo di acciaio non contemplato
1H	0	88	73	-1	0	0	-3								Tipo di acciaio non contemplato
1I	0	-276	39	1	0	0	29								Tipo di acciaio non contemplato
1J	0	-276	57	1	0	0	12								Tipo di acciaio non contemplato
1K	0	-276	39	-1	0	0	29								Tipo di acciaio non contemplato
1L	0	-276	57	-1	0	0	12								Tipo di acciaio non contemplato
1M	0	-92	39	1	0	0	29								Tipo di acciaio non contemplato
1N	0	-92	57	1	0	0	12								Tipo di acciaio non contemplato
1O	0	-92	39	-1	0	0	29								Tipo di acciaio non contemplato
1P	0	-92	57	-1	0	0	12								Tipo di acciaio non contemplato
2	0	-906	380	1	0	0	90								Tipo di acciaio non contemplato
7	0	-709	285	1	0	0	70								Tipo di acciaio non contemplato
8	0	-706	285	1	0	0	71								Tipo di acciaio non contemplato
1A	75	-457	-38	1	0	0	39								Tipo di acciaio non contemplato
1B	75	-457	11	1	0	0	29								Tipo di acciaio non contemplato
1C	75	-457	-38	-1	0	0	39								Tipo di acciaio non contemplato
1D	75	-457	11	-1	0	0	29								Tipo di acciaio non contemplato
1E	75	88	-38	1	0	0	39								Tipo di acciaio non contemplato
1F	75	88	11	1	0	0	29								Tipo di acciaio non contemplato
1G	75	88	-38	-1	0	0	39								Tipo di acciaio non contemplato
1H	75	88	11	-1	0	0	29								Tipo di acciaio non contemplato
1I	75	-276	-22	1	0	0	35								Tipo di acciaio non contemplato
1J	75	-276	-5	1	0	0	32								Tipo di acciaio non contemplato
1K	75	-276	-22	-1	0	0	35								Tipo di acciaio non contemplato

1L	75	-276	-5	-1	0	0	32							Tipo di acciaio non contemplato
1M	75	-92	-22	1	0	0	35							Tipo di acciaio non contemplato
1N	75	-92	-5	1	0	0	32							Tipo di acciaio non contemplato
1O	75	-92	-22	-1	0	0	35							Tipo di acciaio non contemplato
1P	75	-92	-5	-1	0	0	32							Tipo di acciaio non contemplato
2	75	-906	-63	1	0	0	209							Tipo di acciaio non contemplato
7	75	-709	-49	1	0	0	159							Tipo di acciaio non contemplato
8	75	-706	-49	1	0	0	159							Tipo di acciaio non contemplato
1A	150	-457	-100	1	0	0	-13							Tipo di acciaio non contemplato
1B	150	-457	-50	1	0	0	14							Tipo di acciaio non contemplato
1C	150	-457	-100	-1	0	0	-13							Tipo di acciaio non contemplato
1D	150	-457	-50	-1	0	0	14							Tipo di acciaio non contemplato
1E	150	88	-100	1	0	0	-13							Tipo di acciaio non contemplato
1F	150	88	-50	1	0	0	14							Tipo di acciaio non contemplato
1G	150	88	-100	-1	0	0	-13							Tipo di acciaio non contemplato
1H	150	88	-50	-1	0	0	14							Tipo di acciaio non contemplato
1I	150	-276	-84	1	0	0	-5							Tipo di acciaio non contemplato
1J	150	-276	-66	1	0	0	5							Tipo di acciaio non contemplato
1K	150	-276	-84	-1	0	0	-5							Tipo di acciaio non contemplato
1L	150	-276	-66	-1	0	0	5							Tipo di acciaio non contemplato
1M	150	-92	-84	1	0	0	-5							Tipo di acciaio non contemplato
1N	150	-92	-66	1	0	0	5							Tipo di acciaio non contemplato
1O	150	-92	-84	-1	0	0	-5							Tipo di acciaio non contemplato
1P	150	-92	-66	-1	0	0	5							Tipo di acciaio non contemplato
2	150	-906	-506	1	0	-1	-5							Tipo di acciaio non contemplato
7	150	-709	-383	1	0	0	-3							Tipo di acciaio non contemplato
8	150	-706	-383	1	0	0	-3							Tipo di acciaio non contemplato

ASTA NUM. 55 NI 856 NF 738 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-476	21	6	0	4	16								Tipo di acciaio non contemplato
1B	0	-476	52	6	0	4	-12								Tipo di acciaio non contemplato
1C	0	-476	21	-5	0	-4	16								Tipo di acciaio non contemplato
1D	0	-476	52	-5	0	-4	-12								Tipo di acciaio non contemplato
1E	0	481	21	6	0	4	16								Tipo di acciaio non contemplato
1F	0	481	52	6	0	4	-12								Tipo di acciaio non contemplato
1G	0	481	21	-5	0	-4	16								Tipo di acciaio non contemplato
1H	0	481	52	-5	0	-4	-12								Tipo di acciaio non contemplato
1I	0	-157	31	15	0	12	7								Tipo di acciaio non contemplato
1J	0	-157	42	15	0	12	-3								Tipo di acciaio non contemplato
1K	0	-157	31	-15	0	-11	7								Tipo di acciaio non contemplato
1L	0	-157	42	-15	0	-11	-3								Tipo di acciaio non contemplato
1M	0	161	31	15	0	12	7								Tipo di acciaio non contemplato
1N	0	161	42	15	0	12	-3								Tipo di acciaio non contemplato
1O	0	161	31	-15	0	-11	7								Tipo di acciaio non contemplato
1P	0	161	42	-15	0	-11	-3								Tipo di acciaio non contemplato
2	0	7	321	6	0	5	4								Tipo di acciaio non contemplato
7	0	5	238	7	0	5	4								Tipo di acciaio non contemplato
8	0	6	239	4	0	4	3								Tipo di acciaio non contemplato
1A	75	-476	-40	6	0	0	9								Tipo di acciaio non contemplato
1B	75	-476	-10	6	0	0	4								Tipo di acciaio non contemplato
1C	75	-476	-40	-5	0	0	9								Tipo di acciaio non contemplato
1D	75	-476	-10	-5	0	0	4								Tipo di acciaio non contemplato
1E	75	481	-40	6	0	0	9								Tipo di acciaio non contemplato
1F	75	481	-10	6	0	0	4								Tipo di acciaio non contemplato
1G	75	481	-40	-5	0	0	9								Tipo di acciaio non contemplato
1H	75	481	-10	-5	0	0	4								Tipo di acciaio non contemplato
1I	75	-157	-31	15	0	0	7								Tipo di acciaio non contemplato
1J	75	-157	-20	15	0	0	5								Tipo di acciaio non contemplato
1K	75	-157	-31	-15	0	0	7								Tipo di acciaio non contemplato
1L	75	-157	-20	-15	0	0	5								Tipo di acciaio non contemplato
1M	75	161	-31	15	0	0	7								Tipo di acciaio non contemplato
1N	75	161	-20	15	0	0	5								Tipo di acciaio non contemplato
1O	75	161	-31	-15	0	0	7								Tipo di acciaio non contemplato
1P	75	161	-20	-15	0	0	5								Tipo di acciaio non contemplato
2	75	7	-122	6	0	0	79								Tipo di acciaio non contemplato
7	75	5	-96	7	0	0	57								Tipo di acciaio non contemplato
8	75	6	-95	4	0	0	57								Tipo di acciaio non contemplato
1A	150	-476	-102	6	0	-4	-45								Tipo di acciaio non contemplato
1B	150	-476	-71	6	0	-4	-26								Tipo di acciaio non contemplato
1C	150	-476	-102	-5	0	4	-45								Tipo di acciaio non contemplato
1D	150	-476	-71	-5	0	4	-26								Tipo di acciaio non contemplato
1E	150	481	-102	6	0	-4	-45								Tipo di acciaio non contemplato
1F	150	481	-71	6	0	-4	-26								Tipo di acciaio non contemplato
1G	150	481	-102	-5	0	4	-45								Tipo di acciaio non contemplato
1H	150	481	-71	-5	0	4	-26								Tipo di acciaio non contemplato
1I	150	-157	-92	15	0	-11	-39								Tipo di acciaio non contemplato
1J	150	-157	-81	15	0	-11	-32								Tipo di acciaio non contemplato
1K	150	-157	-92	-15	0	11	-39								Tipo di acciaio non contemplato
1L	150	-157	-81	-15	0	11	-32								Tipo di acciaio non contemplato
1M	150	161	-92	15	0	-11	-39								Tipo di acciaio non contemplato
1N	150	161	-81	15	0	-11	-32								Tipo di acciaio non contemplato
1O	150	161	-92	-15	0	11	-39								Tipo di acciaio non contemplato
1P	150	161	-81	-15	0	11	-32								Tipo di acciaio non contemplato
2	150	7	-564	6	0	-4	-179								Tipo di acciaio non contemplato
7	150	5	-430	7	0	-5	-140								Tipo di acciaio non contemplato

8	150	6	-429	4	0	-3	-139							Tipo di acciaio non contemplato

ASTA NUM. 56 NI 812 NF 822 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-82	61	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-82	94	1	0	0	-2								Tipo di acciaio non contemplato
1C	0	-82	61	-1	0	-1	0								Tipo di acciaio non contemplato
1D	0	-82	94	-1	0	-1	-2								Tipo di acciaio non contemplato
1E	0	142	61	1	0	0	0								Tipo di acciaio non contemplato
1F	0	142	94	1	0	0	-2								Tipo di acciaio non contemplato
1G	0	142	61	-1	0	-1	0								Tipo di acciaio non contemplato
1H	0	142	94	-1	0	-1	-2								Tipo di acciaio non contemplato
1I	0	-18	68	1	0	0	0								Tipo di acciaio non contemplato
1J	0	-18	86	1	0	0	-2								Tipo di acciaio non contemplato
1K	0	-18	68	-1	0	-1	0								Tipo di acciaio non contemplato
1L	0	-18	86	-1	0	-1	-2								Tipo di acciaio non contemplato
1M	0	78	68	1	0	0	0								Tipo di acciaio non contemplato
1N	0	78	86	1	0	0	-2								Tipo di acciaio non contemplato
1O	0	78	68	-1	0	-1	0								Tipo di acciaio non contemplato
1P	0	78	86	-1	0	-1	-2								Tipo di acciaio non contemplato
2	0	86	518	-1	0	-1	-6								Tipo di acciaio non contemplato
7	0	70	393	-1	0	-1	-5								Tipo di acciaio non contemplato
8	0	72	393	-1	0	-1	-5								Tipo di acciaio non contemplato
1A	75	-82	-1	1	0	0	22								Tipo di acciaio non contemplato
1B	75	-82	32	1	0	0	45								Tipo di acciaio non contemplato
1C	75	-82	-1	-1	0	0	22								Tipo di acciaio non contemplato
1D	75	-82	32	-1	0	0	45								Tipo di acciaio non contemplato
1E	75	142	-1	1	0	0	22								Tipo di acciaio non contemplato
1F	75	142	32	1	0	0	45								Tipo di acciaio non contemplato
1G	75	142	-1	-1	0	0	22								Tipo di acciaio non contemplato
1H	75	142	32	-1	0	0	45								Tipo di acciaio non contemplato
1I	75	-18	7	1	0	0	28								Tipo di acciaio non contemplato
1J	75	-18	25	1	0	0	40								Tipo di acciaio non contemplato
1K	75	-18	7	-1	0	0	28								Tipo di acciaio non contemplato
1L	75	-18	25	-1	0	0	40								Tipo di acciaio non contemplato
1M	75	78	7	1	0	0	28								Tipo di acciaio non contemplato
1N	75	78	25	1	0	0	40								Tipo di acciaio non contemplato
1O	75	78	7	-1	0	0	28								Tipo di acciaio non contemplato
1P	75	78	25	-1	0	0	40								Tipo di acciaio non contemplato
2	75	86	76	-1	0	0	216								Tipo di acciaio non contemplato
7	75	70	59	-1	0	0	165								Tipo di acciaio non contemplato
8	75	72	59	-1	0	0	165								Tipo di acciaio non contemplato
1A	150	-82	-62	1	0	0	-1								Tipo di acciaio non contemplato
1B	150	-82	-29	1	0	0	46								Tipo di acciaio non contemplato
1C	150	-82	-62	-1	0	0	-1								Tipo di acciaio non contemplato
1D	150	-82	-29	-1	0	0	46								Tipo di acciaio non contemplato
1E	150	142	-62	1	0	0	-1								Tipo di acciaio non contemplato
1F	150	142	-29	1	0	0	46								Tipo di acciaio non contemplato
1G	150	142	-62	-1	0	0	-1								Tipo di acciaio non contemplato
1H	150	142	-29	-1	0	0	46								Tipo di acciaio non contemplato
1I	150	-18	-55	1	0	0	10								Tipo di acciaio non contemplato
1J	150	-18	-37	1	0	0	35								Tipo di acciaio non contemplato
1K	150	-18	-55	-1	0	0	10								Tipo di acciaio non contemplato
1L	150	-18	-37	-1	0	0	35								Tipo di acciaio non contemplato
1M	150	78	-55	1	0	0	10								Tipo di acciaio non contemplato
1N	150	78	-37	1	0	0	35								Tipo di acciaio non contemplato
1O	150	78	-55	-1	0	0	10								Tipo di acciaio non contemplato
1P	150	78	-37	-1	0	0	35								Tipo di acciaio non contemplato
2	150	86	-367	-1	0	0	107								Tipo di acciaio non contemplato
7	150	70	-275	-1	0	0	84								Tipo di acciaio non contemplato
8	150	72	-275	-1	0	0	84								Tipo di acciaio non contemplato

ASTA NUM. 57 NI 822 NF 832 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-300	14	11	0	8	47								Tipo di acciaio non contemplato
1B	0	-300	50	11	0	8	-2								Tipo di acciaio non contemplato
1C	0	-300	14	-11	0	-8	47								Tipo di acciaio non contemplato
1D	0	-300	50	-11	0	-8	-2								Tipo di acciaio non contemplato
1E	0	160	14	11	0	8	47								Tipo di acciaio non contemplato
1F	0	160	50	11	0	8	-2								Tipo di acciaio non contemplato
1G	0	160	14	-11	0	-8	47								Tipo di acciaio non contemplato
1H	0	160	50	-11	0	-8	-2								Tipo di acciaio non contemplato
1I	0	-170	19	27	0	21	36								Tipo di acciaio non contemplato
1J	0	-170	44	27	0	21	9								Tipo di acciaio non contemplato
1K	0	-170	19	-28	0	-21	36								Tipo di acciaio non contemplato
1L	0	-170	44	-28	0	-21	9								Tipo di acciaio non contemplato
1M	0	29	19	27	0	21	36								Tipo di acciaio non contemplato
1N	0	29	44	27	0	21	9								Tipo di acciaio non contemplato

1O	0	29	19	-28	0	-21	36							Tipo di acciaio non contemplato
1P	0	29	44	-28	0	-21	9							Tipo di acciaio non contemplato
2	0	-264	299	5	0	4	106							Tipo di acciaio non contemplato
7	0	-215	222	5	0	4	83							Tipo di acciaio non contemplato
8	0	-212	221	3	0	2	83							Tipo di acciaio non contemplato
1A	75	-300	-48	11	0	0	34							Tipo di acciaio non contemplato
1B	75	-300	-12	11	0	0	13							Tipo di acciaio non contemplato
1C	75	-300	-48	-11	0	0	34							Tipo di acciaio non contemplato
1D	75	-300	-12	-11	0	0	13							Tipo di acciaio non contemplato
1E	75	160	-48	11	0	0	34							Tipo di acciaio non contemplato
1F	75	160	-12	11	0	0	13							Tipo di acciaio non contemplato
1G	75	160	-48	-11	0	0	34							Tipo di acciaio non contemplato
1H	75	160	-12	-11	0	0	13							Tipo di acciaio non contemplato
1I	75	-170	-42	27	0	0	27							Tipo di acciaio non contemplato
1J	75	-170	-17	27	0	0	19							Tipo di acciaio non contemplato
1K	75	-170	-42	-28	0	0	27							Tipo di acciaio non contemplato
1L	75	-170	-17	-28	0	0	19							Tipo di acciaio non contemplato
1M	75	29	-42	27	0	0	27							Tipo di acciaio non contemplato
1N	75	29	-17	27	0	0	19							Tipo di acciaio non contemplato
1O	75	29	-42	-28	0	0	27							Tipo di acciaio non contemplato
1P	75	29	-17	-28	0	0	19							Tipo di acciaio non contemplato
2	75	-264	-144	5	0	0	164							Tipo di acciaio non contemplato
7	75	-215	-112	5	0	0	124							Tipo di acciaio non contemplato
8	75	-212	-113	3	0	0	124							Tipo di acciaio non contemplato
1A	150	-300	-109	11	0	-8	-26							Tipo di acciaio non contemplato
1B	150	-300	-73	11	0	-8	-19							Tipo di acciaio non contemplato
1C	150	-300	-109	-11	0	9	-26							Tipo di acciaio non contemplato
1D	150	-300	-73	-11	0	9	-19							Tipo di acciaio non contemplato
1E	150	160	-109	11	0	-8	-26							Tipo di acciaio non contemplato
1F	150	160	-73	11	0	-8	-19							Tipo di acciaio non contemplato
1G	150	160	-109	-11	0	9	-26							Tipo di acciaio non contemplato
1H	150	160	-73	-11	0	9	-19							Tipo di acciaio non contemplato
1I	150	-170	-104	27	0	-21	-28							Tipo di acciaio non contemplato
1J	150	-170	-79	27	0	-21	-16							Tipo di acciaio non contemplato
1K	150	-170	-104	-28	0	21	-28							Tipo di acciaio non contemplato
1L	150	-170	-79	-28	0	21	-16							Tipo di acciaio non contemplato
1M	150	29	-104	27	0	-21	-28							Tipo di acciaio non contemplato
1N	150	29	-79	27	0	-21	-16							Tipo di acciaio non contemplato
1O	150	29	-104	-28	0	21	-28							Tipo di acciaio non contemplato
1P	150	29	-79	-28	0	21	-16							Tipo di acciaio non contemplato
2	150	-264	-587	5	0	-4	-110							Tipo di acciaio non contemplato
7	150	-215	-446	5	0	-4	-86							Tipo di acciaio non contemplato
8	150	-212	-446	3	0	-2	-86							Tipo di acciaio non contemplato

ASTA NUM. 58 NI 832 NF 842 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-135	73	10	0	7	-19								Tipo di acciaio non contemplato
1B	0	-135	105	10	0	7	-25								Tipo di acciaio non contemplato
1C	0	-135	73	-9	0	-7	-19								Tipo di acciaio non contemplato
1D	0	-135	105	-9	0	-7	-25								Tipo di acciaio non contemplato
1E	0	-11	73	10	0	7	-19								Tipo di acciaio non contemplato
1F	0	-11	105	10	0	7	-25								Tipo di acciaio non contemplato
1G	0	-11	73	-9	0	-7	-19								Tipo di acciaio non contemplato
1H	0	-11	105	-9	0	-7	-25								Tipo di acciaio non contemplato
1I	0	-108	80	26	0	20	-17								Tipo di acciaio non contemplato
1J	0	-108	98	26	0	20	-27								Tipo di acciaio non contemplato
1K	0	-108	80	-26	0	-19	-17								Tipo di acciaio non contemplato
1L	0	-108	98	-26	0	-19	-27								Tipo di acciaio non contemplato
1M	0	-38	80	26	0	20	-17								Tipo di acciaio non contemplato
1N	0	-38	98	26	0	20	-27								Tipo di acciaio non contemplato
1O	0	-38	80	-26	0	-19	-17								Tipo di acciaio non contemplato
1P	0	-38	98	-26	0	-19	-27								Tipo di acciaio non contemplato
2	0	-279	572	8	0	6	-110								Tipo di acciaio non contemplato
7	0	-225	435	8	0	6	-86								Tipo di acciaio non contemplato
8	0	-224	435	5	0	4	-86								Tipo di acciaio non contemplato
1A	75	-135	12	10	0	0	12								Tipo di acciaio non contemplato
1B	75	-135	43	10	0	0	31								Tipo di acciaio non contemplato
1C	75	-135	12	-9	0	0	12								Tipo di acciaio non contemplato
1D	75	-135	43	-9	0	0	31								Tipo di acciaio non contemplato
1E	75	-11	12	10	0	0	12								Tipo di acciaio non contemplato
1F	75	-11	43	10	0	0	31								Tipo di acciaio non contemplato
1G	75	-11	12	-9	0	0	12								Tipo di acciaio non contemplato
1H	75	-11	43	-9	0	0	31								Tipo di acciaio non contemplato
1I	75	-108	18	26	0	0	19								Tipo di acciaio non contemplato
1J	75	-108	37	26	0	0	24								Tipo di acciaio non contemplato
1K	75	-108	18	-26	0	0	19								Tipo di acciaio non contemplato
1L	75	-108	37	-26	0	0	24								Tipo di acciaio non contemplato
1M	75	-38	18	26	0	0	19								Tipo di acciaio non contemplato
1N	75	-38	37	26	0	0	24								Tipo di acciaio non contemplato
1O	75	-38	18	-26	0	0	19								Tipo di acciaio non contemplato
1P	75	-38	37	-26	0	0	24								Tipo di acciaio non contemplato
2	75	-279	129	8	0	0	153								Tipo di acciaio non contemplato
7	75	-225	101	8	0	0	115								Tipo di acciaio non contemplato
8	75	-224	101	5	0	0	115								Tipo di acciaio non contemplato
1A	150	-135	-50	10	0	-7	-3								Tipo di acciaio non contemplato

1B	150	-135	-18	10	0	-7	41							Tipo di acciaio non contemplato
1C	150	-135	-50	-9	0	7	-3							Tipo di acciaio non contemplato
1D	150	-135	-18	-9	0	7	41							Tipo di acciaio non contemplato
1E	150	-11	-50	10	0	-7	-3							Tipo di acciaio non contemplato
1F	150	-11	-18	10	0	-7	41							Tipo di acciaio non contemplato
1G	150	-11	-50	-9	0	7	-3							Tipo di acciaio non contemplato
1H	150	-11	-18	-9	0	7	41							Tipo di acciaio non contemplato
1I	150	-108	-43	26	0	-20	9							Tipo di acciaio non contemplato
1J	150	-108	-25	26	0	-20	29							Tipo di acciaio non contemplato
1K	150	-108	-43	-26	0	19	9							Tipo di acciaio non contemplato
1L	150	-108	-25	-26	0	19	29							Tipo di acciaio non contemplato
1M	150	-38	-43	26	0	-20	9							Tipo di acciaio non contemplato
1N	150	-38	-25	26	0	-20	29							Tipo di acciaio non contemplato
1O	150	-38	-43	-26	0	19	9							Tipo di acciaio non contemplato
1P	150	-38	-25	-26	0	19	29							Tipo di acciaio non contemplato
2	150	-279	-314	8	0	-6	84							Tipo di acciaio non contemplato
7	150	-225	-233	8	0	-6	66							Tipo di acciaio non contemplato
8	150	-224	-233	5	0	-4	66							Tipo di acciaio non contemplato

ASTA NUM. 59 NI 842 NF 852 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-70	25	1	0	0	41								Tipo di acciaio non contemplato
1B	0	-70	71	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-70	25	-1	0	0	41								Tipo di acciaio non contemplato
1D	0	-70	71	-1	0	0	-3								Tipo di acciaio non contemplato
1E	0	47	25	1	0	0	41								Tipo di acciaio non contemplato
1F	0	47	71	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	47	25	-1	0	0	41								Tipo di acciaio non contemplato
1H	0	47	71	-1	0	0	-3								Tipo di acciaio non contemplato
1I	0	-37	37	1	0	0	29								Tipo di acciaio non contemplato
1J	0	-37	58	1	0	0	9								Tipo di acciaio non contemplato
1K	0	-37	37	-1	0	0	29								Tipo di acciaio non contemplato
1L	0	-37	58	-1	0	0	9								Tipo di acciaio non contemplato
1M	0	14	37	1	0	0	29								Tipo di acciaio non contemplato
1N	0	14	58	1	0	0	9								Tipo di acciaio non contemplato
1O	0	14	37	-1	0	0	29								Tipo di acciaio non contemplato
1P	0	14	58	-1	0	0	9								Tipo di acciaio non contemplato
2	0	-34	378	1	0	0	84								Tipo di acciaio non contemplato
7	0	-31	283	1	0	0	66								Tipo di acciaio non contemplato
8	0	-28	283	1	0	0	66								Tipo di acciaio non contemplato
1A	75	-70	-37	1	0	0	37								Tipo di acciaio non contemplato
1B	75	-70	9	1	0	0	27								Tipo di acciaio non contemplato
1C	75	-70	-37	-1	0	0	37								Tipo di acciaio non contemplato
1D	75	-70	9	-1	0	0	27								Tipo di acciaio non contemplato
1E	75	47	-37	1	0	0	37								Tipo di acciaio non contemplato
1F	75	47	9	1	0	0	27								Tipo di acciaio non contemplato
1G	75	47	-37	-1	0	0	37								Tipo di acciaio non contemplato
1H	75	47	9	-1	0	0	27								Tipo di acciaio non contemplato
1I	75	-37	-24	1	0	0	34								Tipo di acciaio non contemplato
1J	75	-37	-3	1	0	0	30								Tipo di acciaio non contemplato
1K	75	-37	-24	-1	0	0	34								Tipo di acciaio non contemplato
1L	75	-37	-3	-1	0	0	30								Tipo di acciaio non contemplato
1M	75	14	-24	1	0	0	34								Tipo di acciaio non contemplato
1N	75	14	-3	1	0	0	30								Tipo di acciaio non contemplato
1O	75	14	-24	-1	0	0	34								Tipo di acciaio non contemplato
1P	75	14	-3	-1	0	0	30								Tipo di acciaio non contemplato
2	75	-34	-65	1	0	0	201								Tipo di acciaio non contemplato
7	75	-31	-51	1	0	0	153								Tipo di acciaio non contemplato
8	75	-28	-51	1	0	0	153								Tipo di acciaio non contemplato
1A	150	-70	-98	1	0	-1	-14								Tipo di acciaio non contemplato
1B	150	-70	-52	1	0	-1	11								Tipo di acciaio non contemplato
1C	150	-70	-98	-1	0	0	-14								Tipo di acciaio non contemplato
1D	150	-70	-52	-1	0	0	11								Tipo di acciaio non contemplato
1E	150	47	-98	1	0	-1	-14								Tipo di acciaio non contemplato
1F	150	47	-52	1	0	-1	11								Tipo di acciaio non contemplato
1G	150	47	-98	-1	0	0	-14								Tipo di acciaio non contemplato
1H	150	47	-52	-1	0	0	11								Tipo di acciaio non contemplato
1I	150	-37	-86	1	0	-1	-8								Tipo di acciaio non contemplato
1J	150	-37	-65	1	0	-1	5								Tipo di acciaio non contemplato
1K	150	-37	-86	-1	0	0	-8								Tipo di acciaio non contemplato
1L	150	-37	-65	-1	0	0	5								Tipo di acciaio non contemplato
1M	150	14	-86	1	0	-1	-8								Tipo di acciaio non contemplato
1N	150	14	-65	1	0	-1	5								Tipo di acciaio non contemplato
1O	150	14	-86	-1	0	0	-8								Tipo di acciaio non contemplato
1P	150	14	-65	-1	0	0	5								Tipo di acciaio non contemplato
2	150	-34	-508	1	0	-2	-14								Tipo di acciaio non contemplato
7	150	-31	-385	1	0	-1	-10								Tipo di acciaio non contemplato
8	150	-28	-385	1	0	-1	-10								Tipo di acciaio non contemplato

ASTA NUM. 60 NI 852 NF 862 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota

	cm	kg			kg*m			kg/cmq	
1A	0	-110	46	7	0	5	12		Tipo di acciaio non contemplato
1B	0	-110	66	7	0	5	-13		Tipo di acciaio non contemplato
1C	0	-110	46	-5	0	-4	12		Tipo di acciaio non contemplato
1D	0	-110	66	-5	0	-4	-13		Tipo di acciaio non contemplato
1E	0	84	46	7	0	5	12		Tipo di acciaio non contemplato
1F	0	84	66	7	0	5	-13		Tipo di acciaio non contemplato
1G	0	84	46	-5	0	-4	12		Tipo di acciaio non contemplato
1H	0	84	66	-5	0	-4	-13		Tipo di acciaio non contemplato
1I	0	-45	51	16	0	12	5		Tipo di acciaio non contemplato
1J	0	-45	60	16	0	12	-7		Tipo di acciaio non contemplato
1K	0	-45	51	-14	0	-11	5		Tipo di acciaio non contemplato
1L	0	-45	60	-14	0	-11	-7		Tipo di acciaio non contemplato
1M	0	20	51	16	0	12	5		Tipo di acciaio non contemplato
1N	0	20	60	16	0	12	-7		Tipo di acciaio non contemplato
1O	0	20	51	-14	0	-11	5		Tipo di acciaio non contemplato
1P	0	20	60	-14	0	-11	-7		Tipo di acciaio non contemplato
2	0	-57	418	9	0	7	-10		Tipo di acciaio non contemplato
7	0	-46	314	8	0	6	-7		Tipo di acciaio non contemplato
8	0	-45	314	6	0	5	-7		Tipo di acciaio non contemplato
1A	75	-110	-16	7	0	0	23		Tipo di acciaio non contemplato
1B	75	-110	4	7	0	0	13		Tipo di acciaio non contemplato
1C	75	-110	-16	-5	0	0	23		Tipo di acciaio non contemplato
1D	75	-110	4	-5	0	0	13		Tipo di acciaio non contemplato
1E	75	84	-16	7	0	0	23		Tipo di acciaio non contemplato
1F	75	84	4	7	0	0	13		Tipo di acciaio non contemplato
1G	75	84	-16	-5	0	0	23		Tipo di acciaio non contemplato
1H	75	84	4	-5	0	0	13		Tipo di acciaio non contemplato
1I	75	-45	-10	16	0	0	20		Tipo di acciaio non contemplato
1J	75	-45	-1	16	0	0	16		Tipo di acciaio non contemplato
1K	75	-45	-10	-14	0	0	20		Tipo di acciaio non contemplato
1L	75	-45	-1	-14	0	0	16		Tipo di acciaio non contemplato
1M	75	20	-10	16	0	0	20		Tipo di acciaio non contemplato
1N	75	20	-1	16	0	0	16		Tipo di acciaio non contemplato
1O	75	20	-10	-14	0	0	20		Tipo di acciaio non contemplato
1P	75	20	-1	-14	0	0	16		Tipo di acciaio non contemplato
2	75	-57	-25	9	0	0	138		Tipo di acciaio non contemplato
7	75	-46	-20	8	0	0	103		Tipo di acciaio non contemplato
8	75	-45	-19	6	0	0	103		Tipo di acciaio non contemplato
1A	150	-110	-77	7	0	-5	-12		Tipo di acciaio non contemplato
1B	150	-110	-57	7	0	-5	-7		Tipo di acciaio non contemplato
1C	150	-110	-77	-5	0	4	-12		Tipo di acciaio non contemplato
1D	150	-110	-57	-5	0	4	-7		Tipo di acciaio non contemplato
1E	150	84	-77	7	0	-5	-12		Tipo di acciaio non contemplato
1F	150	84	-57	7	0	-5	-7		Tipo di acciaio non contemplato
1G	150	84	-77	-5	0	4	-12		Tipo di acciaio non contemplato
1H	150	84	-57	-5	0	4	-7		Tipo di acciaio non contemplato
1I	150	-45	-72	16	0	-12	-10		Tipo di acciaio non contemplato
1J	150	-45	-63	16	0	-12	-8		Tipo di acciaio non contemplato
1K	150	-45	-72	-14	0	11	-10		Tipo di acciaio non contemplato
1L	150	-45	-63	-14	0	11	-8		Tipo di acciaio non contemplato
1M	150	20	-72	16	0	-12	-10		Tipo di acciaio non contemplato
1N	150	20	-63	16	0	-12	-8		Tipo di acciaio non contemplato
1O	150	20	-72	-14	0	11	-10		Tipo di acciaio non contemplato
1P	150	20	-63	-14	0	11	-8		Tipo di acciaio non contemplato
2	150	-57	-468	9	0	-6	-47		Tipo di acciaio non contemplato
7	150	-46	-354	8	0	-6	-37		Tipo di acciaio non contemplato
8	150	-45	-353	6	0	-4	-36		Tipo di acciaio non contemplato

ASTA NUM. 61 NI 813 NF 823 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-106	61	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-106	87	1	0	0	-2								Tipo di acciaio non contemplato
1C	0	-106	61	-2	0	-1	0								Tipo di acciaio non contemplato
1D	0	-106	87	-2	0	-1	-2								Tipo di acciaio non contemplato
1E	0	178	61	1	0	0	0								Tipo di acciaio non contemplato
1F	0	178	87	1	0	0	-2								Tipo di acciaio non contemplato
1G	0	178	61	-2	0	-1	0								Tipo di acciaio non contemplato
1H	0	178	87	-2	0	-1	-2								Tipo di acciaio non contemplato
1I	0	-98	65	1	0	0	0								Tipo di acciaio non contemplato
1J	0	-98	84	1	0	0	-2								Tipo di acciaio non contemplato
1K	0	-98	65	-1	0	-1	0								Tipo di acciaio non contemplato
1L	0	-98	84	-1	0	-1	-2								Tipo di acciaio non contemplato
1M	0	170	65	1	0	0	0								Tipo di acciaio non contemplato
1N	0	170	84	1	0	0	-2								Tipo di acciaio non contemplato
1O	0	170	65	-1	0	-1	0								Tipo di acciaio non contemplato
1P	0	170	84	-1	0	-1	-2								Tipo di acciaio non contemplato
2	0	133	504	-1	0	-1	-6								Tipo di acciaio non contemplato
7	0	112	382	-1	0	-1	-5								Tipo di acciaio non contemplato
8	0	106	382	-1	0	-1	-5								Tipo di acciaio non contemplato
1A	75	-106	-0	1	0	0	23								Tipo di acciaio non contemplato
1B	75	-106	26	1	0	0	41								Tipo di acciaio non contemplato
1C	75	-106	-0	-2	0	0	23								Tipo di acciaio non contemplato
1D	75	-106	26	-2	0	0	41								Tipo di acciaio non contemplato

1E	75	178	-0	1	0	0	23							Tipo di acciaio non contemplato
1F	75	178	26	1	0	0	41							Tipo di acciaio non contemplato
1G	75	178	-0	-2	0	0	23							Tipo di acciaio non contemplato
1H	75	178	26	-2	0	0	41							Tipo di acciaio non contemplato
1I	75	-98	3	1	0	0	26							Tipo di acciaio non contemplato
1J	75	-98	22	1	0	0	38							Tipo di acciaio non contemplato
1K	75	-98	3	-1	0	0	26							Tipo di acciaio non contemplato
1L	75	-98	22	-1	0	0	38							Tipo di acciaio non contemplato
1M	75	170	3	1	0	0	26							Tipo di acciaio non contemplato
1N	75	170	22	1	0	0	38							Tipo di acciaio non contemplato
1O	75	170	3	-1	0	0	26							Tipo di acciaio non contemplato
1P	75	170	22	-1	0	0	38							Tipo di acciaio non contemplato
2	75	133	61	-1	0	0	206							Tipo di acciaio non contemplato
7	75	112	48	-1	0	0	157							Tipo di acciaio non contemplato
8	75	106	48	-1	0	0	156							Tipo di acciaio non contemplato
1A	150	-106	-62	1	0	-1	0							Tipo di acciaio non contemplato
1B	150	-106	-36	1	0	-1	37							Tipo di acciaio non contemplato
1C	150	-106	-62	-2	0	1	0							Tipo di acciaio non contemplato
1D	150	-106	-36	-2	0	1	37							Tipo di acciaio non contemplato
1E	150	178	-62	1	0	-1	0							Tipo di acciaio non contemplato
1F	150	178	-36	1	0	-1	37							Tipo di acciaio non contemplato
1G	150	178	-62	-2	0	1	0							Tipo di acciaio non contemplato
1H	150	178	-36	-2	0	1	37							Tipo di acciaio non contemplato
1I	150	-98	-58	1	0	0	5							Tipo di acciaio non contemplato
1J	150	-98	-39	1	0	0	31							Tipo di acciaio non contemplato
1K	150	-98	-58	-1	0	0	5							Tipo di acciaio non contemplato
1L	150	-98	-39	-1	0	0	31							Tipo di acciaio non contemplato
1M	150	170	-58	1	0	0	5							Tipo di acciaio non contemplato
1N	150	170	-39	1	0	0	31							Tipo di acciaio non contemplato
1O	150	170	-58	-1	0	0	5							Tipo di acciaio non contemplato
1P	150	170	-39	-1	0	0	31							Tipo di acciaio non contemplato
2	150	133	-382	-1	0	0	85							Tipo di acciaio non contemplato
7	150	112	-286	-1	0	0	67							Tipo di acciaio non contemplato
8	150	106	-286	-1	0	0	67							Tipo di acciaio non contemplato

ASTA NUM. 62 NI 823 NF 833 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-252	22	11	0	8	37								Tipo di acciaio non contemplato
1B	0	-252	51	11	0	8	0								Tipo di acciaio non contemplato
1C	0	-252	22	-12	0	-9	37								Tipo di acciaio non contemplato
1D	0	-252	51	-12	0	-9	0								Tipo di acciaio non contemplato
1E	0	225	22	11	0	8	37								Tipo di acciaio non contemplato
1F	0	225	51	11	0	8	0								Tipo di acciaio non contemplato
1G	0	225	22	-12	0	-9	37								Tipo di acciaio non contemplato
1H	0	225	51	-12	0	-9	0								Tipo di acciaio non contemplato
1I	0	-123	23	27	0	20	31								Tipo di acciaio non contemplato
1J	0	-123	50	27	0	20	5								Tipo di acciaio non contemplato
1K	0	-123	23	-27	0	-21	31								Tipo di acciaio non contemplato
1L	0	-123	50	-27	0	-21	5								Tipo di acciaio non contemplato
1M	0	96	23	27	0	20	31								Tipo di acciaio non contemplato
1N	0	96	50	27	0	20	5								Tipo di acciaio non contemplato
1O	0	96	23	-27	0	-21	31								Tipo di acciaio non contemplato
1P	0	96	50	-27	0	-21	5								Tipo di acciaio non contemplato
2	0	23	320	5	0	3	85								Tipo di acciaio non contemplato
7	0	8	238	5	0	4	67								Tipo di acciaio non contemplato
8	0	11	238	3	0	2	66								Tipo di acciaio non contemplato
1A	75	-252	-39	11	0	0	30								Tipo di acciaio non contemplato
1B	75	-252	-11	11	0	0	15								Tipo di acciaio non contemplato
1C	75	-252	-39	-12	0	0	30								Tipo di acciaio non contemplato
1D	75	-252	-11	-12	0	0	15								Tipo di acciaio non contemplato
1E	75	225	-39	11	0	0	30								Tipo di acciaio non contemplato
1F	75	225	-11	11	0	0	15								Tipo di acciaio non contemplato
1G	75	225	-39	-12	0	0	30								Tipo di acciaio non contemplato
1H	75	225	-11	-12	0	0	15								Tipo di acciaio non contemplato
1I	75	-123	-39	27	0	0	25								Tipo di acciaio non contemplato
1J	75	-123	-11	27	0	0	19								Tipo di acciaio non contemplato
1K	75	-123	-39	-27	0	0	25								Tipo di acciaio non contemplato
1L	75	-123	-11	-27	0	0	19								Tipo di acciaio non contemplato
1M	75	96	-39	27	0	0	25								Tipo di acciaio non contemplato
1N	75	96	-11	27	0	0	19								Tipo di acciaio non contemplato
1O	75	96	-39	-27	0	0	25								Tipo di acciaio non contemplato
1P	75	96	-11	-27	0	0	19								Tipo di acciaio non contemplato
2	75	23	-122	5	0	0	159								Tipo di acciaio non contemplato
7	75	8	-96	5	0	0	120								Tipo di acciaio non contemplato
8	75	11	-96	3	0	0	120								Tipo di acciaio non contemplato
1A	150	-252	-101	11	0	-9	-23								Tipo di acciaio non contemplato
1B	150	-252	-72	11	0	-9	-16								Tipo di acciaio non contemplato
1C	150	-252	-101	-12	0	9	-23								Tipo di acciaio non contemplato
1D	150	-252	-72	-12	0	9	-16								Tipo di acciaio non contemplato
1E	150	225	-101	11	0	-9	-23								Tipo di acciaio non contemplato
1F	150	225	-72	11	0	-9	-16								Tipo di acciaio non contemplato
1G	150	225	-101	-12	0	9	-23								Tipo di acciaio non contemplato
1H	150	225	-72	-12	0	9	-16								Tipo di acciaio non contemplato
1I	150	-123	-100	27	0	-20	-27								Tipo di acciaio non contemplato
1J	150	-123	-73	27	0	-20	-12								Tipo di acciaio non contemplato
1K	150	-123	-100	-27	0	20	-27								Tipo di acciaio non contemplato

1L	150	-123	-73	-27	0	20	-12							Tipo di acciaio non contemplato
1M	150	96	-100	27	0	-20	-27							Tipo di acciaio non contemplato
1N	150	96	-73	27	0	-20	-12							Tipo di acciaio non contemplato
1O	150	96	-100	-27	0	20	-27							Tipo di acciaio non contemplato
1P	150	96	-73	-27	0	20	-12							Tipo di acciaio non contemplato
2	150	23	-565	5	0	-4	-99							Tipo di acciaio non contemplato
7	150	8	-430	5	0	-4	-77							Tipo di acciaio non contemplato
8	150	11	-430	3	0	-2	-77							Tipo di acciaio non contemplato

ASTA NUM. 63 NI 833 NF 843 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-151	72	10	0	7	-16								Tipo di acciaio non contemplato
1B	0	-151	98	10	0	7	-23								Tipo di acciaio non contemplato
1C	0	-151	72	-9	0	-7	-16								Tipo di acciaio non contemplato
1D	0	-151	98	-9	0	-7	-23								Tipo di acciaio non contemplato
1E	0	125	72	10	0	7	-16								Tipo di acciaio non contemplato
1F	0	125	98	10	0	7	-23								Tipo di acciaio non contemplato
1G	0	125	72	-9	0	-7	-16								Tipo di acciaio non contemplato
1H	0	125	98	-9	0	-7	-23								Tipo di acciaio non contemplato
1I	0	-185	74	26	0	19	-13								Tipo di acciaio non contemplato
1J	0	-185	95	26	0	19	-26								Tipo di acciaio non contemplato
1K	0	-185	74	-25	0	-19	-13								Tipo di acciaio non contemplato
1L	0	-185	95	-25	0	-19	-26								Tipo di acciaio non contemplato
1M	0	159	74	26	0	19	-13								Tipo di acciaio non contemplato
1N	0	159	95	26	0	19	-26								Tipo di acciaio non contemplato
1O	0	159	74	-25	0	-19	-13								Tipo di acciaio non contemplato
1P	0	159	95	-25	0	-19	-26								Tipo di acciaio non contemplato
2	0	-6	554	8	0	6	-99								Tipo di acciaio non contemplato
7	0	-24	421	8	0	6	-77								Tipo di acciaio non contemplato
8	0	-6	421	5	0	4	-77								Tipo di acciaio non contemplato
1A	75	-151	10	10	0	0	14								Tipo di acciaio non contemplato
1B	75	-151	37	10	0	0	28								Tipo di acciaio non contemplato
1C	75	-151	10	-9	0	0	14								Tipo di acciaio non contemplato
1D	75	-151	37	-9	0	0	28								Tipo di acciaio non contemplato
1E	75	125	10	10	0	0	14								Tipo di acciaio non contemplato
1F	75	125	37	10	0	0	28								Tipo di acciaio non contemplato
1G	75	125	10	-9	0	0	14								Tipo di acciaio non contemplato
1H	75	125	37	-9	0	0	28								Tipo di acciaio non contemplato
1I	75	-185	13	26	0	0	20								Tipo di acciaio non contemplato
1J	75	-185	34	26	0	0	23								Tipo di acciaio non contemplato
1K	75	-185	13	-25	0	0	20								Tipo di acciaio non contemplato
1L	75	-185	34	-25	0	0	23								Tipo di acciaio non contemplato
1M	75	159	13	26	0	0	20								Tipo di acciaio non contemplato
1N	75	159	34	26	0	0	23								Tipo di acciaio non contemplato
1O	75	159	13	-25	0	0	20								Tipo di acciaio non contemplato
1P	75	159	34	-25	0	0	23								Tipo di acciaio non contemplato
2	75	-6	111	8	0	0	151								Tipo di acciaio non contemplato
7	75	-24	87	8	0	0	114								Tipo di acciaio non contemplato
8	75	-6	87	5	0	0	114								Tipo di acciaio non contemplato
1A	150	-151	-51	10	0	-7	-2								Tipo di acciaio non contemplato
1B	150	-151	-25	10	0	-7	33								Tipo di acciaio non contemplato
1C	150	-151	-51	-9	0	7	-2								Tipo di acciaio non contemplato
1D	150	-151	-25	-9	0	7	33								Tipo di acciaio non contemplato
1E	150	125	-51	10	0	-7	-2								Tipo di acciaio non contemplato
1F	150	125	-25	10	0	-7	33								Tipo di acciaio non contemplato
1G	150	125	-51	-9	0	7	-2								Tipo di acciaio non contemplato
1H	150	125	-25	-9	0	7	33								Tipo di acciaio non contemplato
1I	150	-185	-49	26	0	-20	6								Tipo di acciaio non contemplato
1J	150	-185	-28	26	0	-20	25								Tipo di acciaio non contemplato
1K	150	-185	-49	-25	0	19	6								Tipo di acciaio non contemplato
1L	150	-185	-28	-25	0	19	25								Tipo di acciaio non contemplato
1M	150	159	-49	26	0	-20	6								Tipo di acciaio non contemplato
1N	150	159	-28	26	0	-20	25								Tipo di acciaio non contemplato
1O	150	159	-49	-25	0	19	6								Tipo di acciaio non contemplato
1P	150	159	-28	-25	0	19	25								Tipo di acciaio non contemplato
2	150	-6	-331	8	0	-6	69								Tipo di acciaio non contemplato
7	150	-24	-247	8	0	-6	54								Tipo di acciaio non contemplato
8	150	-6	-247	5	0	-4	54								Tipo di acciaio non contemplato

ASTA NUM. 64 NI 843 NF 853 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-249	31	2	0	1	33								Tipo di acciaio non contemplato
1B	0	-249	67	2	0	1	-2								Tipo di acciaio non contemplato
1C	0	-249	31	-1	0	-1	33								Tipo di acciaio non contemplato
1D	0	-249	67	-1	0	-1	-2								Tipo di acciaio non contemplato
1E	0	265	31	2	0	1	33								Tipo di acciaio non contemplato
1F	0	265	67	2	0	1	-2								Tipo di acciaio non contemplato
1G	0	265	31	-1	0	-1	33								Tipo di acciaio non contemplato

1H	0	265	67	-1	0	-1	-2	Tipo di acciaio non contemplato
1I	0	-131	38	2	0	1	25	Tipo di acciaio non contemplato
1J	0	-131	59	2	0	1	6	Tipo di acciaio non contemplato
1K	0	-131	38	-1	0	0	25	Tipo di acciaio non contemplato
1L	0	-131	59	-1	0	0	6	Tipo di acciaio non contemplato
1M	0	147	38	2	0	1	25	Tipo di acciaio non contemplato
1N	0	147	59	2	0	1	6	Tipo di acciaio non contemplato
1O	0	147	38	-1	0	0	25	Tipo di acciaio non contemplato
1P	0	147	59	-1	0	0	6	Tipo di acciaio non contemplato
2	0	56	381	2	0	0	69	Tipo di acciaio non contemplato
7	0	37	286	1	0	0	54	Tipo di acciaio non contemplato
8	0	43	286	1	0	0	54	Tipo di acciaio non contemplato
1A	75	-249	-31	2	0	0	33	Tipo di acciaio non contemplato
1B	75	-249	6	2	0	0	26	Tipo di acciaio non contemplato
1C	75	-249	-31	-1	0	0	33	Tipo di acciaio non contemplato
1D	75	-249	6	-1	0	0	26	Tipo di acciaio non contemplato
1E	75	265	-31	2	0	0	33	Tipo di acciaio non contemplato
1F	75	265	6	2	0	0	26	Tipo di acciaio non contemplato
1G	75	265	-31	-1	0	0	33	Tipo di acciaio non contemplato
1H	75	265	6	-1	0	0	26	Tipo di acciaio non contemplato
1I	75	-131	-23	2	0	0	31	Tipo di acciaio non contemplato
1J	75	-131	-2	2	0	0	28	Tipo di acciaio non contemplato
1K	75	-131	-23	-1	0	0	31	Tipo di acciaio non contemplato
1L	75	-131	-2	-1	0	0	28	Tipo di acciaio non contemplato
1M	75	147	-23	2	0	0	31	Tipo di acciaio non contemplato
1N	75	147	-2	2	0	0	28	Tipo di acciaio non contemplato
1O	75	147	-23	-1	0	0	31	Tipo di acciaio non contemplato
1P	75	147	-2	-1	0	0	28	Tipo di acciaio non contemplato
2	75	56	-61	2	0	0	189	Tipo di acciaio non contemplato
7	75	37	-48	1	0	0	144	Tipo di acciaio non contemplato
8	75	43	-48	1	0	0	143	Tipo di acciaio non contemplato
1A	150	-249	-92	2	0	-1	-13	Tipo di acciaio non contemplato
1B	150	-249	-56	2	0	-1	7	Tipo di acciaio non contemplato
1C	150	-249	-92	-1	0	0	-13	Tipo di acciaio non contemplato
1D	150	-249	-56	-1	0	0	7	Tipo di acciaio non contemplato
1E	150	265	-92	2	0	-1	-13	Tipo di acciaio non contemplato
1F	150	265	-56	2	0	-1	7	Tipo di acciaio non contemplato
1G	150	265	-92	-1	0	0	-13	Tipo di acciaio non contemplato
1H	150	265	-56	-1	0	0	7	Tipo di acciaio non contemplato
1I	150	-131	-85	2	0	-1	-10	Tipo di acciaio non contemplato
1J	150	-131	-64	2	0	-1	3	Tipo di acciaio non contemplato
1K	150	-131	-85	-1	0	0	-10	Tipo di acciaio non contemplato
1L	150	-131	-64	-1	0	0	3	Tipo di acciaio non contemplato
1M	150	147	-85	2	0	-1	-10	Tipo di acciaio non contemplato
1N	150	147	-64	2	0	-1	3	Tipo di acciaio non contemplato
1O	150	147	-85	-1	0	0	-10	Tipo di acciaio non contemplato
1P	150	147	-64	-1	0	0	3	Tipo di acciaio non contemplato
2	150	56	-504	2	0	-2	-23	Tipo di acciaio non contemplato
7	150	37	-382	1	0	-1	-18	Tipo di acciaio non contemplato
8	150	43	-382	1	0	-1	-18	Tipo di acciaio non contemplato

ASTA NUM. 65 NI 853 NF 863 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-446	50	7	0	5	7								Tipo di acciaio non contemplato
1B	0	-446	66	7	0	5	-12								Tipo di acciaio non contemplato
1C	0	-446	50	-5	0	-4	7								Tipo di acciaio non contemplato
1D	0	-446	66	-5	0	-4	-12								Tipo di acciaio non contemplato
1E	0	463	50	7	0	5	7								Tipo di acciaio non contemplato
1F	0	463	66	7	0	5	-12								Tipo di acciaio non contemplato
1G	0	463	50	-5	0	-4	7								Tipo di acciaio non contemplato
1H	0	463	66	-5	0	-4	-12								Tipo di acciaio non contemplato
1I	0	-172	53	16	0	12	3								Tipo di acciaio non contemplato
1J	0	-172	64	16	0	12	-9								Tipo di acciaio non contemplato
1K	0	-172	53	-14	0	-11	3								Tipo di acciaio non contemplato
1L	0	-172	64	-14	0	-11	-9								Tipo di acciaio non contemplato
1M	0	190	53	16	0	12	3								Tipo di acciaio non contemplato
1N	0	190	64	16	0	12	-9								Tipo di acciaio non contemplato
1O	0	190	53	-14	0	-11	3								Tipo di acciaio non contemplato
1P	0	190	64	-14	0	-11	-9								Tipo di acciaio non contemplato
2	0	54	430	9	0	7	-20								Tipo di acciaio non contemplato
7	0	49	323	9	0	7	-15								Tipo di acciaio non contemplato
8	0	40	324	6	0	5	-15								Tipo di acciaio non contemplato
1A	75	-446	-12	7	0	0	21								Tipo di acciaio non contemplato
1B	75	-446	5	7	0	0	14								Tipo di acciaio non contemplato
1C	75	-446	-12	-5	0	0	21								Tipo di acciaio non contemplato
1D	75	-446	5	-5	0	0	14								Tipo di acciaio non contemplato
1E	75	463	-12	7	0	0	21								Tipo di acciaio non contemplato
1F	75	463	5	7	0	0	14								Tipo di acciaio non contemplato
1G	75	463	-12	-5	0	0	21								Tipo di acciaio non contemplato
1H	75	463	5	-5	0	0	14								Tipo di acciaio non contemplato
1I	75	-172	-9	16	0	0	20								Tipo di acciaio non contemplato
1J	75	-172	2	16	0	0	16								Tipo di acciaio non contemplato
1K	75	-172	-9	-14	0	0	20								Tipo di acciaio non contemplato
1L	75	-172	2	-14	0	0	16								Tipo di acciaio non contemplato
1M	75	190	-9	16	0	0	20								Tipo di acciaio non contemplato
1N	75	190	2	16	0	0	16								Tipo di acciaio non contemplato

1O	75	190	-9	-14	0	0	20		Tipo di acciaio non contemplato
1P	75	190	2	-14	0	0	16		Tipo di acciaio non contemplato
2	75	54	-13	9	0	0	136		Tipo di acciaio non contemplato
7	75	49	-11	9	0	0	102		Tipo di acciaio non contemplato
8	75	40	-10	6	0	0	102		Tipo di acciaio non contemplato
1A	150	-446	-73	7	0	-5	-11		Tipo di acciaio non contemplato
1B	150	-446	-57	7	0	-5	-5		Tipo di acciaio non contemplato
1C	150	-446	-73	-5	0	4	-11		Tipo di acciaio non contemplato
1D	150	-446	-57	-5	0	4	-5		Tipo di acciaio non contemplato
1E	150	463	-73	7	0	-5	-11		Tipo di acciaio non contemplato
1F	150	463	-57	7	0	-5	-5		Tipo di acciaio non contemplato
1G	150	463	-73	-5	0	4	-11		Tipo di acciaio non contemplato
1H	150	463	-57	-5	0	4	-5		Tipo di acciaio non contemplato
1I	150	-172	-70	16	0	-12	-10		Tipo di acciaio non contemplato
1J	150	-172	-59	16	0	-12	-6		Tipo di acciaio non contemplato
1K	150	-172	-70	-14	0	11	-10		Tipo di acciaio non contemplato
1L	150	-172	-59	-14	0	11	-6		Tipo di acciaio non contemplato
1M	150	190	-70	16	0	-12	-10		Tipo di acciaio non contemplato
1N	150	190	-59	16	0	-12	-6		Tipo di acciaio non contemplato
1O	150	190	-70	-14	0	11	-10		Tipo di acciaio non contemplato
1P	150	190	-59	-14	0	11	-6		Tipo di acciaio non contemplato
2	150	54	-456	9	0	-7	-40		Tipo di acciaio non contemplato
7	150	49	-344	9	0	-6	-31		Tipo di acciaio non contemplato
8	150	40	-344	6	0	-5	-31		Tipo di acciaio non contemplato

ASTA NUM. 66 NI 863 NF 736 Lungh. 12.5 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7498 3.2230 4.0428 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-691	-190	365	0	20	11								Tipo di acciaio non contemplato
1B	0	-691	-96	365	0	20	6								Tipo di acciaio non contemplato
1C	0	-691	-190	-360	0	-20	11								Tipo di acciaio non contemplato
1D	0	-691	-96	-360	0	-20	6								Tipo di acciaio non contemplato
1E	0	1136	-190	365	0	20	11								Tipo di acciaio non contemplato
1F	0	1136	-96	365	0	20	6								Tipo di acciaio non contemplato
1G	0	1136	-190	-360	0	-20	11								Tipo di acciaio non contemplato
1H	0	1136	-96	-360	0	-20	6								Tipo di acciaio non contemplato
1I	0	-206	-222	144	0	8	14								Tipo di acciaio non contemplato
1J	0	-206	-65	144	0	8	4								Tipo di acciaio non contemplato
1K	0	-206	-222	-139	0	-8	14								Tipo di acciaio non contemplato
1L	0	-206	-65	-139	0	-8	4								Tipo di acciaio non contemplato
1M	0	650	-222	144	0	8	14								Tipo di acciaio non contemplato
1N	0	650	-65	144	0	8	4								Tipo di acciaio non contemplato
1O	0	650	-222	-139	0	-8	14								Tipo di acciaio non contemplato
1P	0	650	-65	-139	0	-8	4								Tipo di acciaio non contemplato
2	0	998	-545	22	0	1	35								Tipo di acciaio non contemplato
7	0	884	-426	22	0	1	27								Tipo di acciaio non contemplato
8	0	722	-417	16	0	0	27								Tipo di acciaio non contemplato
1A	6	-691	-195	365	0	-3	0								Tipo di acciaio non contemplato
1B	6	-691	-102	365	0	-3	0								Tipo di acciaio non contemplato
1C	6	-691	-195	-360	0	2	0								Tipo di acciaio non contemplato
1D	6	-691	-102	-360	0	2	0								Tipo di acciaio non contemplato
1E	6	1136	-195	365	0	-3	0								Tipo di acciaio non contemplato
1F	6	1136	-102	365	0	-3	0								Tipo di acciaio non contemplato
1G	6	1136	-195	-360	0	2	0								Tipo di acciaio non contemplato
1H	6	1136	-102	-360	0	2	0								Tipo di acciaio non contemplato
1I	6	-206	-227	144	0	-1	0								Tipo di acciaio non contemplato
1J	6	-206	-70	144	0	-1	0								Tipo di acciaio non contemplato
1K	6	-206	-227	-139	0	1	0								Tipo di acciaio non contemplato
1L	6	-206	-70	-139	0	1	0								Tipo di acciaio non contemplato
1M	6	650	-227	144	0	-1	0								Tipo di acciaio non contemplato
1N	6	650	-70	144	0	-1	0								Tipo di acciaio non contemplato
1O	6	650	-227	-139	0	1	0								Tipo di acciaio non contemplato
1P	6	650	-70	-139	0	1	0								Tipo di acciaio non contemplato
2	6	998	-582	22	0	0	0								Tipo di acciaio non contemplato
7	6	884	-454	22	0	0	0								Tipo di acciaio non contemplato
8	6	721	-445	16	0	0	0								Tipo di acciaio non contemplato
1A	13	-691	-200	365	0	-25	-13								Tipo di acciaio non contemplato
1B	13	-691	-107	365	0	-25	-6								Tipo di acciaio non contemplato
1C	13	-691	-200	-360	0	25	-13								Tipo di acciaio non contemplato
1D	13	-691	-107	-360	0	25	-6								Tipo di acciaio non contemplato
1E	13	1135	-200	365	0	-25	-13								Tipo di acciaio non contemplato
1F	13	1135	-107	365	0	-25	-6								Tipo di acciaio non contemplato
1G	13	1135	-200	-360	0	25	-13								Tipo di acciaio non contemplato
1H	13	1135	-107	-360	0	25	-6								Tipo di acciaio non contemplato
1I	13	-206	-232	144	0	-10	-14								Tipo di acciaio non contemplato
1J	13	-206	-75	144	0	-10	-5								Tipo di acciaio non contemplato
1K	13	-206	-232	-139	0	10	-14								Tipo di acciaio non contemplato
1L	13	-206	-75	-139	0	10	-5								Tipo di acciaio non contemplato
1M	13	650	-232	144	0	-10	-14								Tipo di acciaio non contemplato
1N	13	650	-75	144	0	-10	-5								Tipo di acciaio non contemplato
1O	13	650	-232	-139	0	10	-14								Tipo di acciaio non contemplato
1P	13	650	-75	-139	0	10	-5								Tipo di acciaio non contemplato
2	13	997	-619	22	0	-2	-38								Tipo di acciaio non contemplato
7	13	883	-482	22	0	-2	-30								Tipo di acciaio non contemplato
8	13	721	-473	16	0	-1	-29								Tipo di acciaio non contemplato

ASTA NUM. 67 NI 814 NF 824 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-109	62	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-109	77	1	0	0	-1								Tipo di acciaio non contemplato
1C	0	-109	62	-2	0	-1	0								Tipo di acciaio non contemplato
1D	0	-109	77	-2	0	-1	-1								Tipo di acciaio non contemplato
1E	0	185	62	1	0	0	0								Tipo di acciaio non contemplato
1F	0	185	77	1	0	0	-1								Tipo di acciaio non contemplato
1G	0	185	62	-2	0	-1	0								Tipo di acciaio non contemplato
1H	0	185	77	-2	0	-1	-1								Tipo di acciaio non contemplato
1I	0	-335	62	1	0	0	0								Tipo di acciaio non contemplato
1J	0	-335	76	1	0	0	-2								Tipo di acciaio non contemplato
1K	0	-335	62	-2	0	-1	0								Tipo di acciaio non contemplato
1L	0	-335	76	-2	0	-1	-2								Tipo di acciaio non contemplato
1M	0	412	62	1	0	0	0								Tipo di acciaio non contemplato
1N	0	412	76	1	0	0	-2								Tipo di acciaio non contemplato
1O	0	412	62	-2	0	-1	0								Tipo di acciaio non contemplato
1P	0	412	76	-2	0	-1	-2								Tipo di acciaio non contemplato
2	0	24	478	-1	0	-1	-5								Tipo di acciaio non contemplato
7	0	-8	362	-1	0	-1	-4								Tipo di acciaio non contemplato
8	0	40	362	-1	0	-1	-3								Tipo di acciaio non contemplato
1A	75	-109	0	1	0	0	23								Tipo di acciaio non contemplato
1B	75	-109	15	1	0	0	34								Tipo di acciaio non contemplato
1C	75	-109	0	-2	0	0	23								Tipo di acciaio non contemplato
1D	75	-109	15	-2	0	0	34								Tipo di acciaio non contemplato
1E	75	185	0	1	0	0	23								Tipo di acciaio non contemplato
1F	75	185	15	1	0	0	34								Tipo di acciaio non contemplato
1G	75	185	0	-2	0	0	23								Tipo di acciaio non contemplato
1H	75	185	15	-2	0	0	34								Tipo di acciaio non contemplato
1I	75	-335	1	1	0	0	24								Tipo di acciaio non contemplato
1J	75	-335	15	1	0	0	32								Tipo di acciaio non contemplato
1K	75	-335	1	-2	0	0	24								Tipo di acciaio non contemplato
1L	75	-335	15	-2	0	0	32								Tipo di acciaio non contemplato
1M	75	412	1	1	0	0	24								Tipo di acciaio non contemplato
1N	75	412	15	1	0	0	32								Tipo di acciaio non contemplato
1O	75	412	1	-2	0	0	24								Tipo di acciaio non contemplato
1P	75	412	15	-2	0	0	32								Tipo di acciaio non contemplato
2	75	24	35	-1	0	0	188								Tipo di acciaio non contemplato
7	75	-8	28	-1	0	0	143								Tipo di acciaio non contemplato
8	75	40	28	-1	0	0	143								Tipo di acciaio non contemplato
1A	150	-109	-61	1	0	-1	0								Tipo di acciaio non contemplato
1B	150	-109	-46	1	0	-1	22								Tipo di acciaio non contemplato
1C	150	-109	-61	-2	0	2	0								Tipo di acciaio non contemplato
1D	150	-109	-46	-2	0	2	22								Tipo di acciaio non contemplato
1E	150	185	-61	1	0	-1	0								Tipo di acciaio non contemplato
1F	150	185	-46	1	0	-1	22								Tipo di acciaio non contemplato
1G	150	185	-61	-2	0	2	0								Tipo di acciaio non contemplato
1H	150	185	-46	-2	0	2	22								Tipo di acciaio non contemplato
1I	150	-335	-61	1	0	-1	1								Tipo di acciaio non contemplato
1J	150	-335	-47	1	0	-1	21								Tipo di acciaio non contemplato
1K	150	-335	-61	-2	0	2	1								Tipo di acciaio non contemplato
1L	150	-335	-47	-2	0	2	21								Tipo di acciaio non contemplato
1M	150	412	-61	1	0	-1	1								Tipo di acciaio non contemplato
1N	150	412	-47	1	0	-1	21								Tipo di acciaio non contemplato
1O	150	412	-61	-2	0	2	1								Tipo di acciaio non contemplato
1P	150	412	-47	-2	0	2	21								Tipo di acciaio non contemplato
2	150	24	-408	-1	0	0	48								Tipo di acciaio non contemplato
7	150	-8	-306	-1	0	0	38								Tipo di acciaio non contemplato
8	150	40	-306	-1	0	0	38								Tipo di acciaio non contemplato

ASTA NUM. 68 NI 824 NF 834 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-304	36	13	0	9	22								Tipo di acciaio non contemplato
1B	0	-304	54	13	0	9	0								Tipo di acciaio non contemplato
1C	0	-304	36	-12	0	-9	22								Tipo di acciaio non contemplato
1D	0	-304	54	-12	0	-9	0								Tipo di acciaio non contemplato
1E	0	287	36	13	0	9	22								Tipo di acciaio non contemplato
1F	0	287	54	13	0	9	0								Tipo di acciaio non contemplato
1G	0	287	36	-12	0	-9	22								Tipo di acciaio non contemplato
1H	0	287	54	-12	0	-9	0								Tipo di acciaio non contemplato
1I	0	-742	34	29	0	21	21								Tipo di acciaio non contemplato
1J	0	-742	56	29	0	21	0								Tipo di acciaio non contemplato
1K	0	-742	34	-29	0	-21	21								Tipo di acciaio non contemplato
1L	0	-742	56	-29	0	-21	0								Tipo di acciaio non contemplato
1M	0	725	34	29	0	21	21								Tipo di acciaio non contemplato
1N	0	725	56	29	0	21	0								Tipo di acciaio non contemplato
1O	0	725	34	-29	0	-21	21								Tipo di acciaio non contemplato
1P	0	725	56	-29	0	-21	0								Tipo di acciaio non contemplato
2	0	-163	361	6	0	4	49								Tipo di acciaio non contemplato

7	0	-199	270	6	0	4	39							Tipo di acciaio non contemplato
8	0	-102	270	4	0	3	38							Tipo di acciaio non contemplato
1A	75	-304	-26	13	0	0	26							Tipo di acciaio non contemplato
1B	75	-304	-8	13	0	0	17							Tipo di acciaio non contemplato
1C	75	-304	-26	-12	0	0	26							Tipo di acciaio non contemplato
1D	75	-304	-8	-12	0	0	17							Tipo di acciaio non contemplato
1E	75	287	-26	13	0	0	26							Tipo di acciaio non contemplato
1F	75	287	-8	13	0	0	17							Tipo di acciaio non contemplato
1G	75	287	-26	-12	0	0	26							Tipo di acciaio non contemplato
1H	75	287	-8	-12	0	0	17							Tipo di acciaio non contemplato
1I	75	-742	-28	29	0	0	23							Tipo di acciaio non contemplato
1J	75	-742	-6	29	0	0	20							Tipo di acciaio non contemplato
1K	75	-742	-28	-29	0	0	23							Tipo di acciaio non contemplato
1L	75	-742	-6	-29	0	0	20							Tipo di acciaio non contemplato
1M	75	725	-28	29	0	0	23							Tipo di acciaio non contemplato
1N	75	725	-6	29	0	0	20							Tipo di acciaio non contemplato
1O	75	725	-28	-29	0	0	23							Tipo di acciaio non contemplato
1P	75	725	-6	-29	0	0	20							Tipo di acciaio non contemplato
2	75	-163	-82	6	0	0	153							Tipo di acciaio non contemplato
7	75	-199	-64	6	0	0	116							Tipo di acciaio non contemplato
8	75	-102	-64	4	0	0	115							Tipo di acciaio non contemplato
1A	150	-304	-87	13	0	-10	-17							Tipo di acciaio non contemplato
1B	150	-304	-69	13	0	-10	-11							Tipo di acciaio non contemplato
1C	150	-304	-87	-12	0	9	-17							Tipo di acciaio non contemplato
1D	150	-304	-69	-12	0	9	-11							Tipo di acciaio non contemplato
1E	150	287	-87	13	0	-10	-17							Tipo di acciaio non contemplato
1F	150	287	-69	13	0	-10	-11							Tipo di acciaio non contemplato
1G	150	287	-87	-12	0	9	-17							Tipo di acciaio non contemplato
1H	150	287	-69	-12	0	9	-11							Tipo di acciaio non contemplato
1I	150	-742	-89	29	0	-22	-21							Tipo di acciaio non contemplato
1J	150	-742	-67	29	0	-22	-8							Tipo di acciaio non contemplato
1K	150	-742	-89	-29	0	22	-21							Tipo di acciaio non contemplato
1L	150	-742	-67	-29	0	22	-8							Tipo di acciaio non contemplato
1M	150	725	-89	29	0	-22	-21							Tipo di acciaio non contemplato
1N	150	725	-67	29	0	-22	-8							Tipo di acciaio non contemplato
1O	150	725	-89	-29	0	22	-21							Tipo di acciaio non contemplato
1P	150	725	-67	-29	0	22	-8							Tipo di acciaio non contemplato
2	150	-163	-525	6	0	-4	-75							Tipo di acciaio non contemplato
7	150	-199	-398	6	0	-4	-58							Tipo di acciaio non contemplato
8	150	-102	-398	4	0	-3	-58							Tipo di acciaio non contemplato

ASTA NUM. 69 NI 834 NF 844 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-108	69	11	0	8	-12								Tipo di acciaio non contemplato
1B	0	-108	86	11	0	8	-17								Tipo di acciaio non contemplato
1C	0	-108	69	-10	0	-8	-12								Tipo di acciaio non contemplato
1D	0	-108	86	-10	0	-8	-17								Tipo di acciaio non contemplato
1E	0	101	69	11	0	8	-12								Tipo di acciaio non contemplato
1F	0	101	86	11	0	8	-17								Tipo di acciaio non contemplato
1G	0	101	69	-10	0	-8	-12								Tipo di acciaio non contemplato
1H	0	101	86	-10	0	-8	-17								Tipo di acciaio non contemplato
1I	0	-213	69	27	0	21	-9								Tipo di acciaio non contemplato
1J	0	-213	85	27	0	21	-20								Tipo di acciaio non contemplato
1K	0	-213	69	-27	0	-20	-9								Tipo di acciaio non contemplato
1L	0	-213	85	-27	0	-20	-20								Tipo di acciaio non contemplato
1M	0	207	69	27	0	21	-9								Tipo di acciaio non contemplato
1N	0	207	85	27	0	21	-20								Tipo di acciaio non contemplato
1O	0	207	69	-27	0	-20	-9								Tipo di acciaio non contemplato
1P	0	207	85	-27	0	-20	-20								Tipo di acciaio non contemplato
2	0	42	519	8	0	6	-74								Tipo di acciaio non contemplato
7	0	15	394	8	0	6	-58								Tipo di acciaio non contemplato
8	0	31	394	5	0	4	-58								Tipo di acciaio non contemplato
1A	75	-108	7	11	0	0	17								Tipo di acciaio non contemplato
1B	75	-108	24	11	0	0	25								Tipo di acciaio non contemplato
1C	75	-108	7	-10	0	0	17								Tipo di acciaio non contemplato
1D	75	-108	24	-10	0	0	25								Tipo di acciaio non contemplato
1E	75	101	7	11	0	0	17								Tipo di acciaio non contemplato
1F	75	101	24	11	0	0	25								Tipo di acciaio non contemplato
1G	75	101	7	-10	0	0	17								Tipo di acciaio non contemplato
1H	75	101	24	-10	0	0	25								Tipo di acciaio non contemplato
1I	75	-213	8	27	0	0	20								Tipo di acciaio non contemplato
1J	75	-213	24	27	0	0	21								Tipo di acciaio non contemplato
1K	75	-213	8	-27	0	0	20								Tipo di acciaio non contemplato
1L	75	-213	24	-27	0	0	21								Tipo di acciaio non contemplato
1M	75	207	8	27	0	0	20								Tipo di acciaio non contemplato
1N	75	207	24	27	0	0	21								Tipo di acciaio non contemplato
1O	75	207	8	-27	0	0	20								Tipo di acciaio non contemplato
1P	75	207	24	-27	0	0	21								Tipo di acciaio non contemplato
2	75	42	76	8	0	0	149								Tipo di acciaio non contemplato
7	75	15	60	8	0	0	112								Tipo di acciaio non contemplato
8	75	31	60	5	0	0	112								Tipo di acciaio non contemplato
1A	150	-108	-54	11	0	-8	-1								Tipo di acciaio non contemplato
1B	150	-108	-37	11	0	-8	20								Tipo di acciaio non contemplato
1C	150	-108	-54	-10	0	8	-1								Tipo di acciaio non contemplato
1D	150	-108	-37	-10	0	8	20								Tipo di acciaio non contemplato

1E	150	101	-54	11	0	-8	-1							Tipo di acciaio non contemplato
1F	150	101	-37	11	0	-8	20							Tipo di acciaio non contemplato
1G	150	101	-54	-10	0	8	-1							Tipo di acciaio non contemplato
1H	150	101	-37	-10	0	8	20							Tipo di acciaio non contemplato
1I	150	-213	-54	27	0	-20	3							Tipo di acciaio non contemplato
1J	150	-213	-38	27	0	-20	16							Tipo di acciaio non contemplato
1K	150	-213	-54	-27	0	20	3							Tipo di acciaio non contemplato
1L	150	-213	-38	-27	0	20	16							Tipo di acciaio non contemplato
1M	150	207	-54	27	0	-20	3							Tipo di acciaio non contemplato
1N	150	207	-38	27	0	-20	16							Tipo di acciaio non contemplato
1O	150	207	-54	-27	0	20	3							Tipo di acciaio non contemplato
1P	150	207	-38	-27	0	20	16							Tipo di acciaio non contemplato
2	150	42	-366	8	0	-6	40							Tipo di acciaio non contemplato
7	150	15	-274	8	0	-6	32							Tipo di acciaio non contemplato
8	150	31	-274	5	0	-4	32							Tipo di acciaio non contemplato

ASTA NUM. 70 NI 844 NF 854 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-116	41	2	0	2	20								Tipo di acciaio non contemplato
1B	0	-116	63	2	0	2	0								Tipo di acciaio non contemplato
1C	0	-116	41	-2	0	-1	20								Tipo di acciaio non contemplato
1D	0	-116	63	-2	0	-1	0								Tipo di acciaio non contemplato
1E	0	99	41	2	0	2	20								Tipo di acciaio non contemplato
1F	0	99	63	2	0	2	0								Tipo di acciaio non contemplato
1G	0	99	41	-2	0	-1	20								Tipo di acciaio non contemplato
1H	0	99	63	-2	0	-1	0								Tipo di acciaio non contemplato
1I	0	-157	44	2	0	2	17								Tipo di acciaio non contemplato
1J	0	-157	60	2	0	2	3								Tipo di acciaio non contemplato
1K	0	-157	44	-2	0	-2	17								Tipo di acciaio non contemplato
1L	0	-157	60	-2	0	-2	3								Tipo di acciaio non contemplato
1M	0	139	44	2	0	2	17								Tipo di acciaio non contemplato
1N	0	139	60	2	0	2	3								Tipo di acciaio non contemplato
1O	0	139	44	-2	0	-2	17								Tipo di acciaio non contemplato
1P	0	139	60	-2	0	-2	3								Tipo di acciaio non contemplato
2	0	-82	397	2	0	1	40								Tipo di acciaio non contemplato
7	0	-94	298	2	0	0	32								Tipo di acciaio non contemplato
8	0	-55	298	1	0	0	32								Tipo di acciaio non contemplato
1A	75	-116	-20	2	0	0	28								Tipo di acciaio non contemplato
1B	75	-116	1	2	0	0	23								Tipo di acciaio non contemplato
1C	75	-116	-20	-2	0	0	28								Tipo di acciaio non contemplato
1D	75	-116	1	-2	0	0	23								Tipo di acciaio non contemplato
1E	75	99	-20	2	0	0	28								Tipo di acciaio non contemplato
1F	75	99	1	2	0	0	23								Tipo di acciaio non contemplato
1G	75	99	-20	-2	0	0	28								Tipo di acciaio non contemplato
1H	75	99	1	-2	0	0	23								Tipo di acciaio non contemplato
1I	75	-157	-17	2	0	0	27								Tipo di acciaio non contemplato
1J	75	-157	-2	2	0	0	25								Tipo di acciaio non contemplato
1K	75	-157	-17	-2	0	0	27								Tipo di acciaio non contemplato
1L	75	-157	-2	-2	0	0	25								Tipo di acciaio non contemplato
1M	75	139	-17	2	0	0	27								Tipo di acciaio non contemplato
1N	75	139	-2	2	0	0	25								Tipo di acciaio non contemplato
1O	75	139	-17	-2	0	0	27								Tipo di acciaio non contemplato
1P	75	139	-2	-2	0	0	25								Tipo di acciaio non contemplato
2	75	-82	-46	2	0	0	172								Tipo di acciaio non contemplato
7	75	-94	-36	2	0	0	130								Tipo di acciaio non contemplato
8	75	-55	-36	1	0	0	130								Tipo di acciaio non contemplato
1A	150	-116	-82	2	0	-2	-10								Tipo di acciaio non contemplato
1B	150	-116	-60	2	0	-2	1								Tipo di acciaio non contemplato
1C	150	-116	-82	-2	0	1	-10								Tipo di acciaio non contemplato
1D	150	-116	-60	-2	0	1	1								Tipo di acciaio non contemplato
1E	150	99	-82	2	0	-2	-10								Tipo di acciaio non contemplato
1F	150	99	-60	2	0	-2	1								Tipo di acciaio non contemplato
1G	150	99	-82	-2	0	1	-10								Tipo di acciaio non contemplato
1H	150	99	-60	-2	0	1	1								Tipo di acciaio non contemplato
1I	150	-157	-79	2	0	-2	-9								Tipo di acciaio non contemplato
1J	150	-157	-63	2	0	-2	0								Tipo di acciaio non contemplato
1K	150	-157	-79	-2	0	1	-9								Tipo di acciaio non contemplato
1L	150	-157	-63	-2	0	1	0								Tipo di acciaio non contemplato
1M	150	139	-79	2	0	-2	-9								Tipo di acciaio non contemplato
1N	150	139	-63	2	0	-2	0								Tipo di acciaio non contemplato
1O	150	139	-79	-2	0	1	-9								Tipo di acciaio non contemplato
1P	150	139	-63	-2	0	1	0								Tipo di acciaio non contemplato
2	150	-82	-489	2	0	-2	-29								Tipo di acciaio non contemplato
7	150	-94	-370	2	0	-1	-22								Tipo di acciaio non contemplato
8	150	-55	-370	1	0	-1	-22								Tipo di acciaio non contemplato

ASTA NUM. 71 NI 854 NF 864 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-251	56	8	0	6	1	Tipo di acciaio non contemplato
1B	0	-251	66	8	0	6	-10	Tipo di acciaio non contemplato
1C	0	-251	56	-6	0	-4	1	Tipo di acciaio non contemplato
1D	0	-251	66	-6	0	-4	-10	Tipo di acciaio non contemplato
1E	0	196	56	8	0	6	1	Tipo di acciaio non contemplato
1F	0	196	66	8	0	6	-10	Tipo di acciaio non contemplato
1G	0	196	56	-6	0	-4	1	Tipo di acciaio non contemplato
1H	0	196	66	-6	0	-4	-10	Tipo di acciaio non contemplato
1I	0	-457	57	17	0	12	0	Tipo di acciaio non contemplato
1J	0	-457	65	17	0	12	-9	Tipo di acciaio non contemplato
1K	0	-457	57	-15	0	-11	0	Tipo di acciaio non contemplato
1L	0	-457	65	-15	0	-11	-9	Tipo di acciaio non contemplato
1M	0	402	57	17	0	12	0	Tipo di acciaio non contemplato
1N	0	402	65	17	0	12	-9	Tipo di acciaio non contemplato
1O	0	402	57	-15	0	-11	0	Tipo di acciaio non contemplato
1P	0	402	65	-15	0	-11	-9	Tipo di acciaio non contemplato
2	0	-267	445	10	0	7	-28	Tipo di acciaio non contemplato
7	0	-257	336	9	0	7	-21	Tipo di acciaio non contemplato
8	0	-187	336	7	0	5	-21	Tipo di acciaio non contemplato
1A	75	-251	-5	8	0	0	20	Tipo di acciaio non contemplato
1B	75	-251	5	8	0	0	17	Tipo di acciaio non contemplato
1C	75	-251	-5	-6	0	0	20	Tipo di acciaio non contemplato
1D	75	-251	5	-6	0	0	17	Tipo di acciaio non contemplato
1E	75	196	-5	8	0	0	20	Tipo di acciaio non contemplato
1F	75	196	5	8	0	0	17	Tipo di acciaio non contemplato
1G	75	196	-5	-6	0	0	20	Tipo di acciaio non contemplato
1H	75	196	5	-6	0	0	17	Tipo di acciaio non contemplato
1I	75	-457	-4	17	0	0	20	Tipo di acciaio non contemplato
1J	75	-457	4	17	0	0	17	Tipo di acciaio non contemplato
1K	75	-457	-4	-15	0	0	20	Tipo di acciaio non contemplato
1L	75	-457	4	-15	0	0	17	Tipo di acciaio non contemplato
1M	75	402	-4	17	0	0	20	Tipo di acciaio non contemplato
1N	75	402	4	17	0	0	17	Tipo di acciaio non contemplato
1O	75	402	-4	-15	0	0	20	Tipo di acciaio non contemplato
1P	75	402	4	-15	0	0	17	Tipo di acciaio non contemplato
2	75	-267	2	10	0	0	140	Tipo di acciaio non contemplato
7	75	-257	2	9	0	0	105	Tipo di acciaio non contemplato
8	75	-187	2	7	0	0	105	Tipo di acciaio non contemplato
1A	150	-251	-67	8	0	-6	-7	Tipo di acciaio non contemplato
1B	150	-251	-57	8	0	-6	-3	Tipo di acciaio non contemplato
1C	150	-251	-67	-6	0	5	-7	Tipo di acciaio non contemplato
1D	150	-251	-57	-6	0	5	-3	Tipo di acciaio non contemplato
1E	150	196	-67	8	0	-6	-7	Tipo di acciaio non contemplato
1F	150	196	-57	8	0	-6	-3	Tipo di acciaio non contemplato
1G	150	196	-67	-6	0	5	-7	Tipo di acciaio non contemplato
1H	150	196	-57	-6	0	5	-3	Tipo di acciaio non contemplato
1I	150	-457	-66	17	0	-13	-6	Tipo di acciaio non contemplato
1J	150	-457	-58	17	0	-13	-3	Tipo di acciaio non contemplato
1K	150	-457	-66	-15	0	11	-6	Tipo di acciaio non contemplato
1L	150	-457	-58	-15	0	11	-3	Tipo di acciaio non contemplato
1M	150	402	-66	17	0	-13	-6	Tipo di acciaio non contemplato
1N	150	402	-58	17	0	-13	-3	Tipo di acciaio non contemplato
1O	150	402	-66	-15	0	11	-6	Tipo di acciaio non contemplato
1P	150	402	-58	-15	0	11	-3	Tipo di acciaio non contemplato
2	150	-267	-440	10	0	-7	-24	Tipo di acciaio non contemplato
7	150	-257	-332	9	0	-7	-19	Tipo di acciaio non contemplato
8	150	-187	-332	7	0	-5	-19	Tipo di acciaio non contemplato

ASTA NUM. 72 NI 817 NF 827 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1139	60	2	0	1	2								Tipo di acciaio non contemplato
1B	0	-1139	61	2	0	1	0								Tipo di acciaio non contemplato
1C	0	-1139	60	-3	0	-2	2								Tipo di acciaio non contemplato
1D	0	-1139	61	-3	0	-2	0								Tipo di acciaio non contemplato
1E	0	1170	60	2	0	1	2								Tipo di acciaio non contemplato
1F	0	1170	61	2	0	1	0								Tipo di acciaio non contemplato
1G	0	1170	60	-3	0	-2	2								Tipo di acciaio non contemplato
1H	0	1170	61	-3	0	-2	0								Tipo di acciaio non contemplato
1I	0	-2521	60	3	0	1	1								Tipo di acciaio non contemplato
1J	0	-2521	62	3	0	1	0								Tipo di acciaio non contemplato
1K	0	-2521	60	-4	0	-2	1								Tipo di acciaio non contemplato
1L	0	-2521	62	-4	0	-2	0								Tipo di acciaio non contemplato
1M	0	2552	60	3	0	1	1								Tipo di acciaio non contemplato
1N	0	2552	62	3	0	1	0								Tipo di acciaio non contemplato
1O	0	2552	60	-4	0	-2	1								Tipo di acciaio non contemplato
1P	0	2552	62	-4	0	-2	0								Tipo di acciaio non contemplato
2	0	-430	436	-3	0	-2	2								Tipo di acciaio non contemplato
7	0	-457	329	-3	0	-2	2								Tipo di acciaio non contemplato
8	0	-266	329	-2	0	-2	2								Tipo di acciaio non contemplato
1A	75	-1139	-1	2	0	0	25								Tipo di acciaio non contemplato
1B	75	-1139	-0	2	0	0	22								Tipo di acciaio non contemplato
1C	75	-1139	-1	-3	0	0	25								Tipo di acciaio non contemplato
1D	75	-1139	-0	-3	0	0	22								Tipo di acciaio non contemplato
1E	75	1170	-1	2	0	0	25								Tipo di acciaio non contemplato
1F	75	1170	-0	2	0	0	22								Tipo di acciaio non contemplato
1G	75	1170	-1	-3	0	0	25								Tipo di acciaio non contemplato

1H	75	1170	-0	-3	0	0	22		Tipo di acciaio non contemplato
1I	75	-2521	-1	3	0	0	25		Tipo di acciaio non contemplato
1J	75	-2521	0	3	0	0	22		Tipo di acciaio non contemplato
1K	75	-2521	-1	-4	0	0	25		Tipo di acciaio non contemplato
1L	75	-2521	0	-4	0	0	22		Tipo di acciaio non contemplato
1M	75	2552	-1	3	0	0	25		Tipo di acciaio non contemplato
1N	75	2552	0	3	0	0	22		Tipo di acciaio non contemplato
1O	75	2552	-1	-4	0	0	25		Tipo di acciaio non contemplato
1P	75	2552	0	-4	0	0	22		Tipo di acciaio non contemplato
2	75	-430	-6	-3	0	0	163		Tipo di acciaio non contemplato
7	75	-457	-5	-3	0	0	123		Tipo di acciaio non contemplato
8	75	-266	-5	-2	0	0	123		Tipo di acciaio non contemplato
1A	150	-1139	-63	2	0	-2	2		Tipo di acciaio non contemplato
1B	150	-1139	-62	2	0	-2	-2		Tipo di acciaio non contemplato
1C	150	-1139	-63	-3	0	2	2		Tipo di acciaio non contemplato
1D	150	-1139	-62	-3	0	2	-2		Tipo di acciaio non contemplato
1E	150	1170	-63	2	0	-2	2		Tipo di acciaio non contemplato
1F	150	1170	-62	2	0	-2	-2		Tipo di acciaio non contemplato
1G	150	1170	-63	-3	0	2	2		Tipo di acciaio non contemplato
1H	150	1170	-62	-3	0	2	-2		Tipo di acciaio non contemplato
1I	150	-2521	-63	3	0	-3	2		Tipo di acciaio non contemplato
1J	150	-2521	-61	3	0	-3	-2		Tipo di acciaio non contemplato
1K	150	-2521	-63	-4	0	4	2		Tipo di acciaio non contemplato
1L	150	-2521	-61	-4	0	4	-2		Tipo di acciaio non contemplato
1M	150	2552	-63	3	0	-3	2		Tipo di acciaio non contemplato
1N	150	2552	-61	3	0	-3	-2		Tipo di acciaio non contemplato
1O	150	2552	-63	-4	0	4	2		Tipo di acciaio non contemplato
1P	150	2552	-61	-4	0	4	-2		Tipo di acciaio non contemplato
2	150	-430	-449	-3	0	2	-8		Tipo di acciaio non contemplato
7	150	-457	-339	-3	0	2	-6		Tipo di acciaio non contemplato
8	150	-266	-339	-2	0	2	-6		Tipo di acciaio non contemplato

ASTA NUM. 73 NI 827 NF 837 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-963	57	10	0	8	2								Tipo di acciaio non contemplato
1B	0	-963	59	10	0	8	-2								Tipo di acciaio non contemplato
1C	0	-963	57	-10	0	-8	2								Tipo di acciaio non contemplato
1D	0	-963	59	-10	0	-8	-2								Tipo di acciaio non contemplato
1E	0	1145	57	10	0	8	2								Tipo di acciaio non contemplato
1F	0	1145	59	10	0	8	-2								Tipo di acciaio non contemplato
1G	0	1145	57	-10	0	-8	2								Tipo di acciaio non contemplato
1H	0	1145	59	-10	0	-8	-2								Tipo di acciaio non contemplato
1I	0	-2236	56	21	0	17	2								Tipo di acciaio non contemplato
1J	0	-2236	60	21	0	17	-2								Tipo di acciaio non contemplato
1K	0	-2236	56	-21	0	-16	2								Tipo di acciaio non contemplato
1L	0	-2236	60	-21	0	-16	-2								Tipo di acciaio non contemplato
1M	0	2418	56	21	0	17	2								Tipo di acciaio non contemplato
1N	0	2418	60	21	0	17	-2								Tipo di acciaio non contemplato
1O	0	2418	56	-21	0	-16	2								Tipo di acciaio non contemplato
1P	0	2418	60	-21	0	-16	-2								Tipo di acciaio non contemplato
2	0	-135	425	4	0	3	-5								Tipo di acciaio non contemplato
7	0	-271	320	4	0	3	-4								Tipo di acciaio non contemplato
8	0	-19	320	3	0	2	-4								Tipo di acciaio non contemplato
1A	75	-963	-5	10	0	0	22								Tipo di acciaio non contemplato
1B	75	-963	-2	10	0	0	19								Tipo di acciaio non contemplato
1C	75	-963	-5	-10	0	0	22								Tipo di acciaio non contemplato
1D	75	-963	-2	-10	0	0	19								Tipo di acciaio non contemplato
1E	75	1145	-5	10	0	0	22								Tipo di acciaio non contemplato
1F	75	1145	-2	10	0	0	19								Tipo di acciaio non contemplato
1G	75	1145	-5	-10	0	0	22								Tipo di acciaio non contemplato
1H	75	1145	-2	-10	0	0	19								Tipo di acciaio non contemplato
1I	75	-2236	-6	21	0	0	21								Tipo di acciaio non contemplato
1J	75	-2236	-1	21	0	0	20								Tipo di acciaio non contemplato
1K	75	-2236	-6	-21	0	0	21								Tipo di acciaio non contemplato
1L	75	-2236	-1	-21	0	0	20								Tipo di acciaio non contemplato
1M	75	2418	-6	21	0	0	21								Tipo di acciaio non contemplato
1N	75	2418	-1	21	0	0	20								Tipo di acciaio non contemplato
1O	75	2418	-6	-21	0	0	21								Tipo di acciaio non contemplato
1P	75	2418	-1	-21	0	0	20								Tipo di acciaio non contemplato
2	75	-135	-17	4	0	0	148								Tipo di acciaio non contemplato
7	75	-271	-14	4	0	0	111								Tipo di acciaio non contemplato
8	75	-19	-14	3	0	0	111								Tipo di acciaio non contemplato
1A	150	-963	-66	10	0	-7	-4								Tipo di acciaio non contemplato
1B	150	-963	-64	10	0	-7	-7								Tipo di acciaio non contemplato
1C	150	-963	-66	-10	0	7	-4								Tipo di acciaio non contemplato
1D	150	-963	-64	-10	0	7	-7								Tipo di acciaio non contemplato
1E	150	1145	-66	10	0	-7	-4								Tipo di acciaio non contemplato
1F	150	1145	-64	10	0	-7	-7								Tipo di acciaio non contemplato
1G	150	1145	-66	-10	0	7	-4								Tipo di acciaio non contemplato
1H	150	1145	-64	-10	0	7	-7								Tipo di acciaio non contemplato
1I	150	-2236	-67	21	0	-15	-7								Tipo di acciaio non contemplato
1J	150	-2236	-63	21	0	-15	-3								Tipo di acciaio non contemplato
1K	150	-2236	-67	-21	0	15	-7								Tipo di acciaio non contemplato
1L	150	-2236	-63	-21	0	15	-3								Tipo di acciaio non contemplato
1M	150	2418	-67	21	0	-15	-7								Tipo di acciaio non contemplato
1N	150	2418	-63	21	0	-15	-3								Tipo di acciaio non contemplato

1O	150	2418	-67	-21	0	15	-7							Tipo di acciaio non contemplato
1P	150	2418	-63	-21	0	15	-3							Tipo di acciaio non contemplato
2	150	-135	-460	4	0	-3	-31							Tipo di acciaio non contemplato
7	150	-271	-348	4	0	-3	-24							Tipo di acciaio non contemplato
8	150	-19	-348	3	0	-2	-24							Tipo di acciaio non contemplato

ASTA NUM. 74 NI 837 NF 847 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-829	63	8	0	6	-4								Tipo di acciaio non contemplato
1B	0	-829	66	8	0	6	-6								Tipo di acciaio non contemplato
1C	0	-829	63	-8	0	-5	-4								Tipo di acciaio non contemplato
1D	0	-829	66	-8	0	-5	-6								Tipo di acciaio non contemplato
1E	0	1055	63	8	0	6	-4								Tipo di acciaio non contemplato
1F	0	1055	66	8	0	6	-6								Tipo di acciaio non contemplato
1G	0	1055	63	-8	0	-5	-4								Tipo di acciaio non contemplato
1H	0	1055	66	-8	0	-5	-6								Tipo di acciaio non contemplato
1I	0	-1997	64	19	0	14	-4								Tipo di acciaio non contemplato
1J	0	-1997	66	19	0	14	-6								Tipo di acciaio non contemplato
1K	0	-1997	64	-19	0	-13	-4								Tipo di acciaio non contemplato
1L	0	-1997	66	-19	0	-13	-6								Tipo di acciaio non contemplato
1M	0	2223	64	19	0	14	-4								Tipo di acciaio non contemplato
1N	0	2223	66	19	0	14	-6								Tipo di acciaio non contemplato
1O	0	2223	64	-19	0	-13	-4								Tipo di acciaio non contemplato
1P	0	2223	66	-19	0	-13	-6								Tipo di acciaio non contemplato
2	0	859	459	5	0	3	-31								Tipo di acciaio non contemplato
7	0	768	346	5	0	4	-24								Tipo di acciaio non contemplato
8	0	621	346	3	0	2	-24								Tipo di acciaio non contemplato
1A	75	-829	2	8	0	0	20								Tipo di acciaio non contemplato
1B	75	-829	5	8	0	0	21								Tipo di acciaio non contemplato
1C	75	-829	2	-8	0	0	20								Tipo di acciaio non contemplato
1D	75	-829	5	-8	0	0	21								Tipo di acciaio non contemplato
1E	75	1055	2	8	0	0	20								Tipo di acciaio non contemplato
1F	75	1055	5	8	0	0	21								Tipo di acciaio non contemplato
1G	75	1055	2	-8	0	0	20								Tipo di acciaio non contemplato
1H	75	1055	5	-8	0	0	21								Tipo di acciaio non contemplato
1I	75	-1997	2	19	0	0	20								Tipo di acciaio non contemplato
1J	75	-1997	5	19	0	0	21								Tipo di acciaio non contemplato
1K	75	-1997	2	-19	0	0	20								Tipo di acciaio non contemplato
1L	75	-1997	5	-19	0	0	21								Tipo di acciaio non contemplato
1M	75	2223	2	19	0	0	20								Tipo di acciaio non contemplato
1N	75	2223	5	19	0	0	21								Tipo di acciaio non contemplato
1O	75	2223	2	-19	0	0	20								Tipo di acciaio non contemplato
1P	75	2223	5	-19	0	0	21								Tipo di acciaio non contemplato
2	75	859	16	5	0	0	147								Tipo di acciaio non contemplato
7	75	768	12	5	0	0	111								Tipo di acciaio non contemplato
8	75	621	12	3	0	0	111								Tipo di acciaio non contemplato
1A	150	-829	-60	8	0	-6	-2								Tipo di acciaio non contemplato
1B	150	-829	-57	8	0	-6	2								Tipo di acciaio non contemplato
1C	150	-829	-60	-8	0	6	-2								Tipo di acciaio non contemplato
1D	150	-829	-57	-8	0	6	2								Tipo di acciaio non contemplato
1E	150	1055	-60	8	0	-6	-2								Tipo di acciaio non contemplato
1F	150	1055	-57	8	0	-6	2								Tipo di acciaio non contemplato
1G	150	1055	-60	-8	0	6	-2								Tipo di acciaio non contemplato
1H	150	1055	-57	-8	0	6	2								Tipo di acciaio non contemplato
1I	150	-1997	-59	19	0	-15	-1								Tipo di acciaio non contemplato
1J	150	-1997	-57	19	0	-15	0								Tipo di acciaio non contemplato
1K	150	-1997	-59	-19	0	15	-1								Tipo di acciaio non contemplato
1L	150	-1997	-57	-19	0	15	0								Tipo di acciaio non contemplato
1M	150	2223	-59	19	0	-15	-1								Tipo di acciaio non contemplato
1N	150	2223	-57	19	0	-15	0								Tipo di acciaio non contemplato
1O	150	2223	-59	-19	0	15	-1								Tipo di acciaio non contemplato
1P	150	2223	-57	-19	0	15	0								Tipo di acciaio non contemplato
2	150	859	-427	5	0	-4	-7								Tipo di acciaio non contemplato
7	150	768	-322	5	0	-4	-5								Tipo di acciaio non contemplato
8	150	621	-322	3	0	-2	-5								Tipo di acciaio non contemplato

ASTA NUM. 75 NI 847 NF 857 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-507	59	3	0	2	2								Tipo di acciaio non contemplato
1B	0	-507	61	3	0	2	-2								Tipo di acciaio non contemplato
1C	0	-507	59	-2	0	-2	2								Tipo di acciaio non contemplato
1D	0	-507	61	-2	0	-2	-2								Tipo di acciaio non contemplato
1E	0	431	59	3	0	2	2								Tipo di acciaio non contemplato
1F	0	431	61	3	0	2	-2								Tipo di acciaio non contemplato
1G	0	431	59	-2	0	-2	2								Tipo di acciaio non contemplato
1H	0	431	61	-2	0	-2	-2								Tipo di acciaio non contemplato
1I	0	-1172	58	5	0	4	1								Tipo di acciaio non contemplato
1J	0	-1172	61	5	0	4	-2								Tipo di acciaio non contemplato

1K	0	-1172	58	-4	0	-3	1	Tipo di acciaio non contemplato
1L	0	-1172	61	-4	0	-3	-2	Tipo di acciaio non contemplato
1M	0	1097	58	5	0	4	1	Tipo di acciaio non contemplato
1N	0	1097	61	5	0	4	-2	Tipo di acciaio non contemplato
1O	0	1097	58	-4	0	-3	1	Tipo di acciaio non contemplato
1P	0	1097	61	-4	0	-3	-2	Tipo di acciaio non contemplato
2	0	-71	435	0	0	0	-7	Tipo di acciaio non contemplato
7	0	-25	328	0	0	0	-5	Tipo di acciaio non contemplato
8	0	-75	328	1	0	0	-5	Tipo di acciaio non contemplato
1A	75	-507	-3	3	0	0	23	Tipo di acciaio non contemplato
1B	75	-507	-0	3	0	0	20	Tipo di acciaio non contemplato
1C	75	-507	-3	-2	0	0	23	Tipo di acciaio non contemplato
1D	75	-507	-0	-2	0	0	20	Tipo di acciaio non contemplato
1E	75	431	-3	3	0	0	23	Tipo di acciaio non contemplato
1F	75	431	-0	3	0	0	20	Tipo di acciaio non contemplato
1G	75	431	-3	-2	0	0	23	Tipo di acciaio non contemplato
1H	75	431	-0	-2	0	0	20	Tipo di acciaio non contemplato
1I	75	-1172	-3	5	0	0	22	Tipo di acciaio non contemplato
1J	75	-1172	-0	5	0	0	22	Tipo di acciaio non contemplato
1K	75	-1172	-3	-4	0	0	22	Tipo di acciaio non contemplato
1L	75	-1172	-0	-4	0	0	22	Tipo di acciaio non contemplato
1M	75	1097	-3	5	0	0	22	Tipo di acciaio non contemplato
1N	75	1097	-0	5	0	0	22	Tipo di acciaio non contemplato
1O	75	1097	-3	-4	0	0	22	Tipo di acciaio non contemplato
1P	75	1097	-0	-4	0	0	22	Tipo di acciaio non contemplato
2	75	-71	-8	0	0	0	152	Tipo di acciaio non contemplato
7	75	-25	-6	0	0	0	115	Tipo di acciaio non contemplato
8	75	-75	-6	1	0	0	115	Tipo di acciaio non contemplato
1A	150	-507	-64	3	0	-2	-2	Tipo di acciaio non contemplato
1B	150	-507	-62	3	0	-2	-4	Tipo di acciaio non contemplato
1C	150	-507	-64	-2	0	2	-2	Tipo di acciaio non contemplato
1D	150	-507	-62	-2	0	2	-4	Tipo di acciaio non contemplato
1E	150	431	-64	3	0	-2	-2	Tipo di acciaio non contemplato
1F	150	431	-62	3	0	-2	-4	Tipo di acciaio non contemplato
1G	150	431	-64	-2	0	2	-2	Tipo di acciaio non contemplato
1H	150	431	-62	-2	0	2	-4	Tipo di acciaio non contemplato
1I	150	-1172	-65	5	0	-3	-4	Tipo di acciaio non contemplato
1J	150	-1172	-62	5	0	-3	-1	Tipo di acciaio non contemplato
1K	150	-1172	-65	-4	0	3	-4	Tipo di acciaio non contemplato
1L	150	-1172	-62	-4	0	3	-1	Tipo di acciaio non contemplato
1M	150	1097	-65	5	0	-3	-4	Tipo di acciaio non contemplato
1N	150	1097	-62	5	0	-3	-1	Tipo di acciaio non contemplato
1O	150	1097	-65	-4	0	3	-4	Tipo di acciaio non contemplato
1P	150	1097	-62	-4	0	3	-1	Tipo di acciaio non contemplato
2	150	-71	-451	0	0	0	-20	Tipo di acciaio non contemplato
7	150	-25	-340	0	0	0	-15	Tipo di acciaio non contemplato
8	150	-75	-340	1	0	0	-15	Tipo di acciaio non contemplato

ASTA NUM. 76 NI 857 NF 865 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-684	63	6	0	5	-3							Tipo di acciaio non contemplato
1B	0	-684	65	6	0	5	-5							Tipo di acciaio non contemplato
1C	0	-684	63	-4	0	-3	-3							Tipo di acciaio non contemplato
1D	0	-684	65	-4	0	-3	-5							Tipo di acciaio non contemplato
1E	0	513	63	6	0	5	-3							Tipo di acciaio non contemplato
1F	0	513	65	6	0	5	-5							Tipo di acciaio non contemplato
1G	0	513	63	-4	0	-3	-3							Tipo di acciaio non contemplato
1H	0	513	65	-4	0	-3	-5							Tipo di acciaio non contemplato
1I	0	-993	63	11	0	8	-3							Tipo di acciaio non contemplato
1J	0	-993	65	11	0	8	-5							Tipo di acciaio non contemplato
1K	0	-993	63	-9	0	-7	-3							Tipo di acciaio non contemplato
1L	0	-993	65	-9	0	-7	-5							Tipo di acciaio non contemplato
1M	0	822	63	11	0	8	-3							Tipo di acciaio non contemplato
1N	0	822	65	11	0	8	-5							Tipo di acciaio non contemplato
1O	0	822	63	-9	0	-7	-3							Tipo di acciaio non contemplato
1P	0	822	65	-9	0	-7	-5							Tipo di acciaio non contemplato
2	0	-688	458	7	0	5	-27							Tipo di acciaio non contemplato
7	0	-640	346	6	0	5	-21							Tipo di acciaio non contemplato
8	0	-494	346	5	0	4	-21							Tipo di acciaio non contemplato
1A	75	-684	2	6	0	0	21							Tipo di acciaio non contemplato
1B	75	-684	3	6	0	0	20							Tipo di acciaio non contemplato
1C	75	-684	2	-4	0	0	21							Tipo di acciaio non contemplato
1D	75	-684	3	-4	0	0	20							Tipo di acciaio non contemplato
1E	75	513	2	6	0	0	21							Tipo di acciaio non contemplato
1F	75	513	3	6	0	0	20							Tipo di acciaio non contemplato
1G	75	513	2	-4	0	0	21							Tipo di acciaio non contemplato
1H	75	513	3	-4	0	0	20							Tipo di acciaio non contemplato
1I	75	-993	2	11	0	0	21							Tipo di acciaio non contemplato
1J	75	-993	3	11	0	0	20							Tipo di acciaio non contemplato
1K	75	-993	2	-9	0	0	21							Tipo di acciaio non contemplato
1L	75	-993	3	-9	0	0	20							Tipo di acciaio non contemplato
1M	75	822	2	11	0	0	21							Tipo di acciaio non contemplato
1N	75	822	3	11	0	0	20							Tipo di acciaio non contemplato
1O	75	822	2	-9	0	0	21							Tipo di acciaio non contemplato
1P	75	822	3	-9	0	0	20							Tipo di acciaio non contemplato
2	75	-688	15	7	0	0	150							Tipo di acciaio non contemplato

7	75	-640	12	6	0	0	113							Tipo di acciaio non contemplato
8	75	-494	12	5	0	0	113							Tipo di acciaio non contemplato
1A	150	-684	-60	6	0	-4	0							Tipo di acciaio non contemplato
1B	150	-684	-58	6	0	-4	0							Tipo di acciaio non contemplato
1C	150	-684	-60	-4	0	3	0							Tipo di acciaio non contemplato
1D	150	-684	-58	-4	0	3	0							Tipo di acciaio non contemplato
1E	150	513	-60	6	0	-4	0							Tipo di acciaio non contemplato
1F	150	513	-58	6	0	-4	0							Tipo di acciaio non contemplato
1G	150	513	-60	-4	0	3	0							Tipo di acciaio non contemplato
1H	150	513	-58	-4	0	3	0							Tipo di acciaio non contemplato
1I	150	-993	-60	11	0	-8	0							Tipo di acciaio non contemplato
1J	150	-993	-58	11	0	-8	0							Tipo di acciaio non contemplato
1K	150	-993	-60	-9	0	6	0							Tipo di acciaio non contemplato
1L	150	-993	-58	-9	0	6	0							Tipo di acciaio non contemplato
1M	150	822	-60	11	0	-8	0							Tipo di acciaio non contemplato
1N	150	822	-58	11	0	-8	0							Tipo di acciaio non contemplato
1O	150	822	-60	-9	0	6	0							Tipo di acciaio non contemplato
1P	150	822	-58	-9	0	6	0							Tipo di acciaio non contemplato
2	150	-688	-428	7	0	-5	-4							Tipo di acciaio non contemplato
7	150	-640	-322	6	0	-5	-3							Tipo di acciaio non contemplato
8	150	-494	-322	5	0	-3	-3							Tipo di acciaio non contemplato

ASTA NUM. 77 NI 818 NF 828 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-784	60	3	0	2	1								Tipo di acciaio non contemplato
1B	0	-784	61	3	0	2	0								Tipo di acciaio non contemplato
1C	0	-784	60	-2	0	-1	1								Tipo di acciaio non contemplato
1D	0	-784	61	-2	0	-1	0								Tipo di acciaio non contemplato
1E	0	870	60	3	0	2	1								Tipo di acciaio non contemplato
1F	0	870	61	3	0	2	0								Tipo di acciaio non contemplato
1G	0	870	60	-2	0	-1	1								Tipo di acciaio non contemplato
1H	0	870	61	-2	0	-1	0								Tipo di acciaio non contemplato
1I	0	-2222	60	4	0	2	0								Tipo di acciaio non contemplato
1J	0	-2222	61	4	0	2	0								Tipo di acciaio non contemplato
1K	0	-2222	60	-3	0	-1	0								Tipo di acciaio non contemplato
1L	0	-2222	61	-3	0	-1	0								Tipo di acciaio non contemplato
1M	0	2307	60	4	0	2	0								Tipo di acciaio non contemplato
1N	0	2307	61	4	0	2	0								Tipo di acciaio non contemplato
1O	0	2307	60	-3	0	-1	0								Tipo di acciaio non contemplato
1P	0	2307	61	-3	0	-1	0								Tipo di acciaio non contemplato
2	0	472	435	2	0	2	0								Tipo di acciaio non contemplato
7	0	490	328	1	0	1	0								Tipo di acciaio non contemplato
8	0	323	328	2	0	1	0								Tipo di acciaio non contemplato
1A	75	-784	-2	3	0	0	24								Tipo di acciaio non contemplato
1B	75	-784	-0	3	0	0	21								Tipo di acciaio non contemplato
1C	75	-784	-2	-2	0	0	24								Tipo di acciaio non contemplato
1D	75	-784	-0	-2	0	0	21								Tipo di acciaio non contemplato
1E	75	870	-2	3	0	0	24								Tipo di acciaio non contemplato
1F	75	870	-0	3	0	0	21								Tipo di acciaio non contemplato
1G	75	870	-2	-2	0	0	24								Tipo di acciaio non contemplato
1H	75	870	-0	-2	0	0	21								Tipo di acciaio non contemplato
1I	75	-2222	-2	4	0	0	24								Tipo di acciaio non contemplato
1J	75	-2222	-0	4	0	0	22								Tipo di acciaio non contemplato
1K	75	-2222	-2	-3	0	0	24								Tipo di acciaio non contemplato
1L	75	-2222	-0	-3	0	0	22								Tipo di acciaio non contemplato
1M	75	2307	-2	4	0	0	24								Tipo di acciaio non contemplato
1N	75	2307	-0	4	0	0	22								Tipo di acciaio non contemplato
1O	75	2307	-2	-3	0	0	24								Tipo di acciaio non contemplato
1P	75	2307	-0	-3	0	0	22								Tipo di acciaio non contemplato
2	75	472	-7	2	0	0	161								Tipo di acciaio non contemplato
7	75	490	-6	1	0	0	122								Tipo di acciaio non contemplato
8	75	323	-6	2	0	0	122								Tipo di acciaio non contemplato
1A	150	-784	-63	3	0	-3	0								Tipo di acciaio non contemplato
1B	150	-784	-62	3	0	-3	-3								Tipo di acciaio non contemplato
1C	150	-784	-63	-2	0	2	0								Tipo di acciaio non contemplato
1D	150	-784	-62	-2	0	2	-3								Tipo di acciaio non contemplato
1E	150	870	-63	3	0	-3	0								Tipo di acciaio non contemplato
1F	150	870	-62	3	0	-3	-3								Tipo di acciaio non contemplato
1G	150	870	-63	-2	0	2	0								Tipo di acciaio non contemplato
1H	150	870	-62	-2	0	2	-3								Tipo di acciaio non contemplato
1I	150	-2222	-63	4	0	-4	0								Tipo di acciaio non contemplato
1J	150	-2222	-62	4	0	-4	-2								Tipo di acciaio non contemplato
1K	150	-2222	-63	-3	0	3	0								Tipo di acciaio non contemplato
1L	150	-2222	-62	-3	0	3	-2								Tipo di acciaio non contemplato
1M	150	2307	-63	4	0	-4	0								Tipo di acciaio non contemplato
1N	150	2307	-62	4	0	-4	-2								Tipo di acciaio non contemplato
1O	150	2307	-63	-3	0	3	0								Tipo di acciaio non contemplato
1P	150	2307	-62	-3	0	3	-2								Tipo di acciaio non contemplato
2	150	472	-450	2	0	-1	-10								Tipo di acciaio non contemplato
7	150	490	-340	1	0	0	-8								Tipo di acciaio non contemplato
8	150	323	-340	2	0	0	-8								Tipo di acciaio non contemplato

ASTA NUM. 78 NI 828 NF 838 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-674	58	8	0	6	1								Tipo di acciaio non contemplato
1B	0	-674	59	8	0	6	-3								Tipo di acciaio non contemplato
1C	0	-674	58	-9	0	-7	1								Tipo di acciaio non contemplato
1D	0	-674	59	-9	0	-7	-3								Tipo di acciaio non contemplato
1E	0	1023	58	8	0	6	1								Tipo di acciaio non contemplato
1F	0	1023	59	8	0	6	-3								Tipo di acciaio non contemplato
1G	0	1023	58	-9	0	-7	1								Tipo di acciaio non contemplato
1H	0	1023	59	-9	0	-7	-3								Tipo di acciaio non contemplato
1I	0	-1877	57	20	0	16	1								Tipo di acciaio non contemplato
1J	0	-1877	60	20	0	16	-3								Tipo di acciaio non contemplato
1K	0	-1877	57	-21	0	-16	1								Tipo di acciaio non contemplato
1L	0	-1877	60	-21	0	-16	-3								Tipo di acciaio non contemplato
1M	0	2226	57	20	0	16	1								Tipo di acciaio non contemplato
1N	0	2226	60	20	0	16	-3								Tipo di acciaio non contemplato
1O	0	2226	57	-21	0	-16	1								Tipo di acciaio non contemplato
1P	0	2226	60	-21	0	-16	-3								Tipo di acciaio non contemplato
2	0	1075	428	2	0	2	-8								Tipo di acciaio non contemplato
7	0	996	322	3	0	2	-6								Tipo di acciaio non contemplato
8	0	788	322	1	0	1	-6								Tipo di acciaio non contemplato
1A	75	-674	-4	8	0	0	22								Tipo di acciaio non contemplato
1B	75	-674	-2	8	0	0	18								Tipo di acciaio non contemplato
1C	75	-674	-4	-9	0	0	22								Tipo di acciaio non contemplato
1D	75	-674	-2	-9	0	0	18								Tipo di acciaio non contemplato
1E	75	1023	-4	8	0	0	22								Tipo di acciaio non contemplato
1F	75	1023	-2	8	0	0	18								Tipo di acciaio non contemplato
1G	75	1023	-4	-9	0	0	22								Tipo di acciaio non contemplato
1H	75	1023	-2	-9	0	0	18								Tipo di acciaio non contemplato
1I	75	-1877	-5	20	0	0	20								Tipo di acciaio non contemplato
1J	75	-1877	-1	20	0	0	20								Tipo di acciaio non contemplato
1K	75	-1877	-5	-21	0	0	20								Tipo di acciaio non contemplato
1L	75	-1877	-1	-21	0	0	20								Tipo di acciaio non contemplato
1M	75	2226	-5	20	0	0	20								Tipo di acciaio non contemplato
1N	75	2226	-1	20	0	0	20								Tipo di acciaio non contemplato
1O	75	2226	-5	-21	0	0	20								Tipo di acciaio non contemplato
1P	75	2226	-1	-21	0	0	20								Tipo di acciaio non contemplato
2	75	1075	-15	2	0	0	147								Tipo di acciaio non contemplato
7	75	996	-12	3	0	0	111								Tipo di acciaio non contemplato
8	75	788	-12	1	0	0	111								Tipo di acciaio non contemplato
1A	150	-674	-65	8	0	-6	-3								Tipo di acciaio non contemplato
1B	150	-674	-64	8	0	-6	-7								Tipo di acciaio non contemplato
1C	150	-674	-65	-9	0	6	-3								Tipo di acciaio non contemplato
1D	150	-674	-64	-9	0	6	-7								Tipo di acciaio non contemplato
1E	150	1023	-65	8	0	-6	-3								Tipo di acciaio non contemplato
1F	150	1023	-64	8	0	-6	-7								Tipo di acciaio non contemplato
1G	150	1023	-65	-9	0	6	-3								Tipo di acciaio non contemplato
1H	150	1023	-64	-9	0	6	-7								Tipo di acciaio non contemplato
1I	150	-1877	-66	20	0	-14	-7								Tipo di acciaio non contemplato
1J	150	-1877	-63	20	0	-14	-3								Tipo di acciaio non contemplato
1K	150	-1877	-66	-21	0	15	-7								Tipo di acciaio non contemplato
1L	150	-1877	-63	-21	0	15	-3								Tipo di acciaio non contemplato
1M	150	2226	-66	20	0	-14	-7								Tipo di acciaio non contemplato
1N	150	2226	-63	20	0	-14	-3								Tipo di acciaio non contemplato
1O	150	2226	-66	-21	0	15	-7								Tipo di acciaio non contemplato
1P	150	2226	-63	-21	0	15	-3								Tipo di acciaio non contemplato
2	150	1075	-458	2	0	-1	-30								Tipo di acciaio non contemplato
7	150	996	-346	3	0	-2	-23								Tipo di acciaio non contemplato
8	150	788	-346	1	0	0	-23								Tipo di acciaio non contemplato

ASTA NUM. 79 NI 838 NF 848 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-964	63	10	0	7	-4								Tipo di acciaio non contemplato
1B	0	-964	67	10	0	7	-6								Tipo di acciaio non contemplato
1C	0	-964	63	-9	0	-7	-4								Tipo di acciaio non contemplato
1D	0	-964	67	-9	0	-7	-6								Tipo di acciaio non contemplato
1E	0	1365	63	10	0	7	-4								Tipo di acciaio non contemplato
1F	0	1365	67	10	0	7	-6								Tipo di acciaio non contemplato
1G	0	1365	63	-9	0	-7	-4								Tipo di acciaio non contemplato
1H	0	1365	67	-9	0	-7	-6								Tipo di acciaio non contemplato
1I	0	-2116	63	19	0	14	-4								Tipo di acciaio non contemplato
1J	0	-2116	66	19	0	14	-6								Tipo di acciaio non contemplato
1K	0	-2116	63	-19	0	-14	-4								Tipo di acciaio non contemplato
1L	0	-2116	66	-19	0	-14	-6								Tipo di acciaio non contemplato
1M	0	2516	63	19	0	14	-4								Tipo di acciaio non contemplato
1N	0	2516	66	19	0	14	-6								Tipo di acciaio non contemplato
1O	0	2516	63	-19	0	-14	-4								Tipo di acciaio non contemplato
1P	0	2516	66	-19	0	-14	-6								Tipo di acciaio non contemplato
2	0	269	458	5	0	4	-30								Tipo di acciaio non contemplato
7	0	118	346	5	0	4	-23								Tipo di acciaio non contemplato
8	0	296	346	3	0	3	-23								Tipo di acciaio non contemplato

1A	75	-964	2	10	0	0	20	Tipo di acciaio non contemplato
1B	75	-964	5	10	0	0	21	Tipo di acciaio non contemplato
1C	75	-964	2	-9	0	0	20	Tipo di acciaio non contemplato
1D	75	-964	5	-9	0	0	21	Tipo di acciaio non contemplato
1E	75	1365	2	10	0	0	20	Tipo di acciaio non contemplato
1F	75	1365	5	10	0	0	21	Tipo di acciaio non contemplato
1G	75	1365	2	-9	0	0	20	Tipo di acciaio non contemplato
1H	75	1365	5	-9	0	0	21	Tipo di acciaio non contemplato
1I	75	-2116	2	19	0	0	20	Tipo di acciaio non contemplato
1J	75	-2116	5	19	0	0	21	Tipo di acciaio non contemplato
1K	75	-2116	2	-19	0	0	20	Tipo di acciaio non contemplato
1L	75	-2116	5	-19	0	0	21	Tipo di acciaio non contemplato
1M	75	2516	2	19	0	0	20	Tipo di acciaio non contemplato
1N	75	2516	5	19	0	0	21	Tipo di acciaio non contemplato
1O	75	2516	2	-19	0	0	20	Tipo di acciaio non contemplato
1P	75	2516	5	-19	0	0	21	Tipo di acciaio non contemplato
2	75	269	15	5	0	0	147	Tipo di acciaio non contemplato
7	75	118	12	5	0	0	111	Tipo di acciaio non contemplato
8	75	296	12	3	0	0	111	Tipo di acciaio non contemplato
1A	150	-964	-60	10	0	-7	-2	Tipo di acciaio non contemplato
1B	150	-964	-56	10	0	-7	2	Tipo di acciaio non contemplato
1C	150	-964	-60	-9	0	7	-2	Tipo di acciaio non contemplato
1D	150	-964	-56	-9	0	7	2	Tipo di acciaio non contemplato
1E	150	1365	-60	10	0	-7	-2	Tipo di acciaio non contemplato
1F	150	1365	-56	10	0	-7	2	Tipo di acciaio non contemplato
1G	150	1365	-60	-9	0	7	-2	Tipo di acciaio non contemplato
1H	150	1365	-56	-9	0	7	2	Tipo di acciaio non contemplato
1I	150	-2116	-60	19	0	-15	-1	Tipo di acciaio non contemplato
1J	150	-2116	-57	19	0	-15	1	Tipo di acciaio non contemplato
1K	150	-2116	-60	-19	0	15	-1	Tipo di acciaio non contemplato
1L	150	-2116	-57	-19	0	15	1	Tipo di acciaio non contemplato
1M	150	2516	-60	19	0	-15	-1	Tipo di acciaio non contemplato
1N	150	2516	-57	19	0	-15	1	Tipo di acciaio non contemplato
1O	150	2516	-60	-19	0	15	-1	Tipo di acciaio non contemplato
1P	150	2516	-57	-19	0	15	1	Tipo di acciaio non contemplato
2	150	269	-428	5	0	-4	-8	Tipo di acciaio non contemplato
7	150	118	-322	5	0	-4	-5	Tipo di acciaio non contemplato
8	150	296	-322	3	0	-3	-5	Tipo di acciaio non contemplato

ASTA NUM. 80 NI 848 NF 858 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-598	59	2	0	2	2								Tipo di acciaio non contemplato
1B	0	-598	61	2	0	2	-2								Tipo di acciaio non contemplato
1C	0	-598	59	-3	0	-2	2								Tipo di acciaio non contemplato
1D	0	-598	61	-3	0	-2	-2								Tipo di acciaio non contemplato
1E	0	652	59	2	0	2	2								Tipo di acciaio non contemplato
1F	0	652	61	2	0	2	-2								Tipo di acciaio non contemplato
1G	0	652	59	-3	0	-2	2								Tipo di acciaio non contemplato
1H	0	652	61	-3	0	-2	-2								Tipo di acciaio non contemplato
1I	0	-1281	58	4	0	3	1								Tipo di acciaio non contemplato
1J	0	-1281	61	4	0	3	-2								Tipo di acciaio non contemplato
1K	0	-1281	58	-5	0	-4	1								Tipo di acciaio non contemplato
1L	0	-1281	61	-5	0	-4	-2								Tipo di acciaio non contemplato
1M	0	1335	58	4	0	3	1								Tipo di acciaio non contemplato
1N	0	1335	61	4	0	3	-2								Tipo di acciaio non contemplato
1O	0	1335	58	-5	0	-4	1								Tipo di acciaio non contemplato
1P	0	1335	61	-5	0	-4	-2								Tipo di acciaio non contemplato
2	0	-213	436	-3	0	-2	-8								Tipo di acciaio non contemplato
7	0	-196	329	-2	0	-2	-6								Tipo di acciaio non contemplato
8	0	-125	329	-2	0	-2	-6								Tipo di acciaio non contemplato
1A	75	-598	-3	2	0	0	24								Tipo di acciaio non contemplato
1B	75	-598	-1	2	0	0	20								Tipo di acciaio non contemplato
1C	75	-598	-3	-3	0	0	24								Tipo di acciaio non contemplato
1D	75	-598	-1	-3	0	0	20								Tipo di acciaio non contemplato
1E	75	652	-3	2	0	0	24								Tipo di acciaio non contemplato
1F	75	652	-1	2	0	0	20								Tipo di acciaio non contemplato
1G	75	652	-3	-3	0	0	24								Tipo di acciaio non contemplato
1H	75	652	-1	-3	0	0	20								Tipo di acciaio non contemplato
1I	75	-1281	-3	4	0	0	22								Tipo di acciaio non contemplato
1J	75	-1281	-0	4	0	0	22								Tipo di acciaio non contemplato
1K	75	-1281	-3	-5	0	0	22								Tipo di acciaio non contemplato
1L	75	-1281	-0	-5	0	0	22								Tipo di acciaio non contemplato
1M	75	1335	-3	4	0	0	22								Tipo di acciaio non contemplato
1N	75	1335	-0	4	0	0	22								Tipo di acciaio non contemplato
1O	75	1335	-3	-5	0	0	22								Tipo di acciaio non contemplato
1P	75	1335	-0	-5	0	0	22								Tipo di acciaio non contemplato
2	75	-213	-7	-3	0	0	153								Tipo di acciaio non contemplato
7	75	-196	-5	-2	0	0	115								Tipo di acciaio non contemplato
8	75	-125	-5	-2	0	0	115								Tipo di acciaio non contemplato
1A	150	-598	-64	2	0	-2	0								Tipo di acciaio non contemplato
1B	150	-598	-62	2	0	-2	-4								Tipo di acciaio non contemplato
1C	150	-598	-64	-3	0	2	0								Tipo di acciaio non contemplato
1D	150	-598	-62	-3	0	2	-4								Tipo di acciaio non contemplato
1E	150	652	-64	2	0	-2	0								Tipo di acciaio non contemplato
1F	150	652	-62	2	0	-2	-4								Tipo di acciaio non contemplato
1G	150	652	-64	-3	0	2	0								Tipo di acciaio non contemplato

1H	150	652	-62	-3	0	2	-4							Tipo di acciaio non contemplato
1I	150	-1281	-65	4	0	-3	-4							Tipo di acciaio non contemplato
1J	150	-1281	-62	4	0	-3	-1							Tipo di acciaio non contemplato
1K	150	-1281	-65	-5	0	3	-4							Tipo di acciaio non contemplato
1L	150	-1281	-62	-5	0	3	-1							Tipo di acciaio non contemplato
1M	150	1335	-65	4	0	-3	-4							Tipo di acciaio non contemplato
1N	150	1335	-62	4	0	-3	-1							Tipo di acciaio non contemplato
1O	150	1335	-65	-5	0	3	-4							Tipo di acciaio non contemplato
1P	150	1335	-62	-5	0	3	-1							Tipo di acciaio non contemplato
2	150	-213	-450	-3	0	2	-18							Tipo di acciaio non contemplato
7	150	-196	-339	-2	0	2	-14							Tipo di acciaio non contemplato
8	150	-125	-339	-2	0	1	-14							Tipo di acciaio non contemplato

ASTA NUM. 81 NI 858 NF 866 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-542	63	5	0	4	-3								Tipo di acciaio non contemplato
1B	0	-542	65	5	0	4	-6								Tipo di acciaio non contemplato
1C	0	-542	63	-6	0	-4	-3								Tipo di acciaio non contemplato
1D	0	-542	65	-6	0	-4	-6								Tipo di acciaio non contemplato
1E	0	482	63	5	0	4	-3								Tipo di acciaio non contemplato
1F	0	482	65	5	0	4	-6								Tipo di acciaio non contemplato
1G	0	482	63	-6	0	-4	-3								Tipo di acciaio non contemplato
1H	0	482	65	-6	0	-4	-6								Tipo di acciaio non contemplato
1I	0	-818	63	9	0	7	-3								Tipo di acciaio non contemplato
1J	0	-818	65	9	0	7	-5								Tipo di acciaio non contemplato
1K	0	-818	63	-10	0	-8	-3								Tipo di acciaio non contemplato
1L	0	-818	65	-10	0	-8	-5								Tipo di acciaio non contemplato
1M	0	758	63	9	0	7	-3								Tipo di acciaio non contemplato
1N	0	758	65	9	0	7	-5								Tipo di acciaio non contemplato
1O	0	758	63	-10	0	-8	-3								Tipo di acciaio non contemplato
1P	0	758	65	-10	0	-8	-5								Tipo di acciaio non contemplato
2	0	44	458	1	0	0	-26								Tipo di acciaio non contemplato
7	0	129	345	2	0	1	-20								Tipo di acciaio non contemplato
8	0	-0	345	0	0	0	-20								Tipo di acciaio non contemplato
1A	75	-542	2	5	0	0	21								Tipo di acciaio non contemplato
1B	75	-542	3	5	0	0	20								Tipo di acciaio non contemplato
1C	75	-542	2	-6	0	0	21								Tipo di acciaio non contemplato
1D	75	-542	3	-6	0	0	20								Tipo di acciaio non contemplato
1E	75	482	2	5	0	0	21								Tipo di acciaio non contemplato
1F	75	482	3	5	0	0	20								Tipo di acciaio non contemplato
1G	75	482	2	-6	0	0	21								Tipo di acciaio non contemplato
1H	75	482	3	-6	0	0	20								Tipo di acciaio non contemplato
1I	75	-818	2	9	0	0	21								Tipo di acciaio non contemplato
1J	75	-818	3	9	0	0	20								Tipo di acciaio non contemplato
1K	75	-818	2	-10	0	0	21								Tipo di acciaio non contemplato
1L	75	-818	3	-10	0	0	20								Tipo di acciaio non contemplato
1M	75	758	2	9	0	0	21								Tipo di acciaio non contemplato
1N	75	758	3	9	0	0	20								Tipo di acciaio non contemplato
1O	75	758	2	-10	0	0	21								Tipo di acciaio non contemplato
1P	75	758	3	-10	0	0	20								Tipo di acciaio non contemplato
2	75	44	15	1	0	0	151								Tipo di acciaio non contemplato
7	75	129	11	2	0	0	114								Tipo di acciaio non contemplato
8	75	-0	11	0	0	0	114								Tipo di acciaio non contemplato
1A	150	-542	-60	5	0	-3	0								Tipo di acciaio non contemplato
1B	150	-542	-58	5	0	-3	0								Tipo di acciaio non contemplato
1C	150	-542	-60	-6	0	4	0								Tipo di acciaio non contemplato
1D	150	-542	-58	-6	0	4	0								Tipo di acciaio non contemplato
1E	150	482	-60	5	0	-3	0								Tipo di acciaio non contemplato
1F	150	482	-58	5	0	-3	0								Tipo di acciaio non contemplato
1G	150	482	-60	-6	0	4	0								Tipo di acciaio non contemplato
1H	150	482	-58	-6	0	4	0								Tipo di acciaio non contemplato
1I	150	-818	-60	9	0	-7	0								Tipo di acciaio non contemplato
1J	150	-818	-58	9	0	-7	0								Tipo di acciaio non contemplato
1K	150	-818	-60	-10	0	7	0								Tipo di acciaio non contemplato
1L	150	-818	-58	-10	0	7	0								Tipo di acciaio non contemplato
1M	150	758	-60	9	0	-7	0								Tipo di acciaio non contemplato
1N	150	758	-58	9	0	-7	0								Tipo di acciaio non contemplato
1O	150	758	-60	-10	0	7	0								Tipo di acciaio non contemplato
1P	150	758	-58	-10	0	7	0								Tipo di acciaio non contemplato
2	150	44	-428	1	0	0	-4								Tipo di acciaio non contemplato
7	150	129	-323	2	0	-1	-3								Tipo di acciaio non contemplato
8	150	-0	-323	0	0	0	-3								Tipo di acciaio non contemplato

ASTA NUM. 82 NI 809 NF 819 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-97	60	2	0	1	0								Tipo di acciaio non contemplato
1B	0	-97	77	2	0	1	-1								Tipo di acciaio non contemplato
1C	0	-97	60	-1	0	0	0								Tipo di acciaio non contemplato

1D	0	-97	77	-1	0	0	-1	Tipo di acciaio non contemplato
1E	0	184	60	2	0	1	0	Tipo di acciaio non contemplato
1F	0	184	77	2	0	1	-1	Tipo di acciaio non contemplato
1G	0	184	60	-1	0	0	0	Tipo di acciaio non contemplato
1H	0	184	77	-1	0	0	-1	Tipo di acciaio non contemplato
1I	0	-341	61	2	0	1	0	Tipo di acciaio non contemplato
1J	0	-341	76	2	0	1	-2	Tipo di acciaio non contemplato
1K	0	-341	61	-1	0	0	0	Tipo di acciaio non contemplato
1L	0	-341	76	-1	0	0	-2	Tipo di acciaio non contemplato
1M	0	427	61	2	0	1	0	Tipo di acciaio non contemplato
1N	0	427	76	2	0	1	-2	Tipo di acciaio non contemplato
1O	0	427	61	-1	0	0	0	Tipo di acciaio non contemplato
1P	0	427	76	-1	0	0	-2	Tipo di acciaio non contemplato
2	0	253	473	2	0	2	-4	Tipo di acciaio non contemplato
7	0	235	358	1	0	1	-3	Tipo di acciaio non contemplato
8	0	186	358	1	0	1	-3	Tipo di acciaio non contemplato
1A	75	-97	-1	2	0	0	22	Tipo di acciaio non contemplato
1B	75	-97	15	2	0	0	33	Tipo di acciaio non contemplato
1C	75	-97	-1	-1	0	0	22	Tipo di acciaio non contemplato
1D	75	-97	15	-1	0	0	33	Tipo di acciaio non contemplato
1E	75	184	-1	2	0	0	22	Tipo di acciaio non contemplato
1F	75	184	15	2	0	0	33	Tipo di acciaio non contemplato
1G	75	184	-1	-1	0	0	22	Tipo di acciaio non contemplato
1H	75	184	15	-1	0	0	33	Tipo di acciaio non contemplato
1I	75	-341	-0	2	0	0	24	Tipo di acciaio non contemplato
1J	75	-341	14	2	0	0	32	Tipo di acciaio non contemplato
1K	75	-341	-0	-1	0	0	24	Tipo di acciaio non contemplato
1L	75	-341	14	-1	0	0	32	Tipo di acciaio non contemplato
1M	75	427	-0	2	0	0	24	Tipo di acciaio non contemplato
1N	75	427	14	2	0	0	32	Tipo di acciaio non contemplato
1O	75	427	-0	-1	0	0	24	Tipo di acciaio non contemplato
1P	75	427	14	-1	0	0	32	Tipo di acciaio non contemplato
2	75	253	31	2	0	0	185	Tipo di acciaio non contemplato
7	75	235	24	1	0	0	140	Tipo di acciaio non contemplato
8	75	186	24	1	0	0	140	Tipo di acciaio non contemplato
1A	150	-97	-63	2	0	-2	-2	Tipo di acciaio non contemplato
1B	150	-97	-46	2	0	-2	22	Tipo di acciaio non contemplato
1C	150	-97	-63	-1	0	1	-2	Tipo di acciaio non contemplato
1D	150	-97	-46	-1	0	1	22	Tipo di acciaio non contemplato
1E	150	184	-63	2	0	-2	-2	Tipo di acciaio non contemplato
1F	150	184	-46	2	0	-2	22	Tipo di acciaio non contemplato
1G	150	184	-63	-1	0	1	-2	Tipo di acciaio non contemplato
1H	150	184	-46	-1	0	1	22	Tipo di acciaio non contemplato
1I	150	-341	-62	2	0	-2	0	Tipo di acciaio non contemplato
1J	150	-341	-47	2	0	-2	19	Tipo di acciaio non contemplato
1K	150	-341	-62	-1	0	1	0	Tipo di acciaio non contemplato
1L	150	-341	-47	-1	0	1	19	Tipo di acciaio non contemplato
1M	150	427	-62	2	0	-2	0	Tipo di acciaio non contemplato
1N	150	427	-47	2	0	-2	19	Tipo di acciaio non contemplato
1O	150	427	-62	-1	0	1	0	Tipo di acciaio non contemplato
1P	150	427	-47	-1	0	1	19	Tipo di acciaio non contemplato
2	150	253	-412	2	0	0	42	Tipo di acciaio non contemplato
7	150	235	-310	1	0	0	33	Tipo di acciaio non contemplato
8	150	186	-310	1	0	0	33	Tipo di acciaio non contemplato

ASTA NUM. 83 NI 819 NF 829 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-265	36	11	0	8	22								Tipo di acciaio non contemplato
1B	0	-265	55	11	0	8	-3								Tipo di acciaio non contemplato
1C	0	-265	36	-12	0	-9	22								Tipo di acciaio non contemplato
1D	0	-265	55	-12	0	-9	-3								Tipo di acciaio non contemplato
1E	0	297	36	11	0	8	22								Tipo di acciaio non contemplato
1F	0	297	55	11	0	8	-3								Tipo di acciaio non contemplato
1G	0	297	36	-12	0	-9	22								Tipo di acciaio non contemplato
1H	0	297	55	-12	0	-9	-3								Tipo di acciaio non contemplato
1I	0	-670	34	28	0	21	20								Tipo di acciaio non contemplato
1J	0	-670	56	28	0	21	0								Tipo di acciaio non contemplato
1K	0	-670	34	-29	0	-21	20								Tipo di acciaio non contemplato
1L	0	-670	56	-29	0	-21	0								Tipo di acciaio non contemplato
1M	0	702	34	28	0	21	20								Tipo di acciaio non contemplato
1N	0	702	56	28	0	21	0								Tipo di acciaio non contemplato
1O	0	702	34	-29	0	-21	20								Tipo di acciaio non contemplato
1P	0	702	56	-29	0	-21	0								Tipo di acciaio non contemplato
2	0	309	368	4	0	3	43								Tipo di acciaio non contemplato
7	0	299	276	5	0	3	33								Tipo di acciaio non contemplato
8	0	208	275	2	0	2	34								Tipo di acciaio non contemplato
1A	75	-265	-26	11	0	0	26								Tipo di acciaio non contemplato
1B	75	-265	-6	11	0	0	16								Tipo di acciaio non contemplato
1C	75	-265	-26	-12	0	0	26								Tipo di acciaio non contemplato
1D	75	-265	-6	-12	0	0	16								Tipo di acciaio non contemplato
1E	75	297	-26	11	0	0	26								Tipo di acciaio non contemplato
1F	75	297	-6	11	0	0	16								Tipo di acciaio non contemplato
1G	75	297	-26	-12	0	0	26								Tipo di acciaio non contemplato
1H	75	297	-6	-12	0	0	16								Tipo di acciaio non contemplato
1I	75	-670	-27	28	0	0	22								Tipo di acciaio non contemplato
1J	75	-670	-5	28	0	0	19								Tipo di acciaio non contemplato

1K	75	-670	-27	-29	0	0	22							Tipo di acciaio non contemplato
1L	75	-670	-5	-29	0	0	19							Tipo di acciaio non contemplato
1M	75	702	-27	28	0	0	22							Tipo di acciaio non contemplato
1N	75	702	-5	28	0	0	19							Tipo di acciaio non contemplato
1O	75	702	-27	-29	0	0	22							Tipo di acciaio non contemplato
1P	75	702	-5	-29	0	0	19							Tipo di acciaio non contemplato
2	75	309	-75	4	0	0	152							Tipo di acciaio non contemplato
7	75	299	-58	5	0	0	115							Tipo di acciaio non contemplato
8	75	208	-59	2	0	0	115							Tipo di acciaio non contemplato
1A	150	-265	-87	11	0	-8	-17							Tipo di acciaio non contemplato
1B	150	-265	-68	11	0	-8	-11							Tipo di acciaio non contemplato
1C	150	-265	-87	-12	0	9	-17							Tipo di acciaio non contemplato
1D	150	-265	-68	-12	0	9	-11							Tipo di acciaio non contemplato
1E	150	297	-87	11	0	-8	-17							Tipo di acciaio non contemplato
1F	150	297	-68	11	0	-8	-11							Tipo di acciaio non contemplato
1G	150	297	-87	-12	0	9	-17							Tipo di acciaio non contemplato
1H	150	297	-68	-12	0	9	-11							Tipo di acciaio non contemplato
1I	150	-670	-89	28	0	-21	-21							Tipo di acciaio non contemplato
1J	150	-670	-67	28	0	-21	-8							Tipo di acciaio non contemplato
1K	150	-670	-89	-29	0	22	-21							Tipo di acciaio non contemplato
1L	150	-670	-67	-29	0	22	-8							Tipo di acciaio non contemplato
1M	150	702	-89	28	0	-21	-21							Tipo di acciaio non contemplato
1N	150	702	-67	28	0	-21	-8							Tipo di acciaio non contemplato
1O	150	702	-89	-29	0	22	-21							Tipo di acciaio non contemplato
1P	150	702	-67	-29	0	22	-8							Tipo di acciaio non contemplato
2	150	309	-518	4	0	-3	-70							Tipo di acciaio non contemplato
7	150	299	-392	5	0	-4	-54							Tipo di acciaio non contemplato
8	150	208	-393	2	0	-2	-54							Tipo di acciaio non contemplato

ASTA NUM. 84 NI 829 NF 839 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-94	69	13	0	10	-12								Tipo di acciaio non contemplato
1B	0	-94	85	13	0	10	-17								Tipo di acciaio non contemplato
1C	0	-94	69	-13	0	-10	-12								Tipo di acciaio non contemplato
1D	0	-94	85	-13	0	-10	-17								Tipo di acciaio non contemplato
1E	0	144	69	13	0	10	-12								Tipo di acciaio non contemplato
1F	0	144	85	13	0	10	-17								Tipo di acciaio non contemplato
1G	0	144	69	-13	0	-10	-12								Tipo di acciaio non contemplato
1H	0	144	85	-13	0	-10	-17								Tipo di acciaio non contemplato
1I	0	-226	69	28	0	21	-9								Tipo di acciaio non contemplato
1J	0	-226	86	28	0	21	-20								Tipo di acciaio non contemplato
1K	0	-226	69	-28	0	-21	-9								Tipo di acciaio non contemplato
1L	0	-226	86	-28	0	-21	-20								Tipo di acciaio non contemplato
1M	0	275	69	28	0	21	-9								Tipo di acciaio non contemplato
1N	0	275	86	28	0	21	-20								Tipo di acciaio non contemplato
1O	0	275	69	-28	0	-21	-9								Tipo di acciaio non contemplato
1P	0	275	86	-28	0	-21	-20								Tipo di acciaio non contemplato
2	0	144	514	6	0	5	-70								Tipo di acciaio non contemplato
7	0	118	389	7	0	5	-54								Tipo di acciaio non contemplato
8	0	109	390	4	0	3	-55								Tipo di acciaio non contemplato
1A	75	-94	8	13	0	0	17								Tipo di acciaio non contemplato
1B	75	-94	24	13	0	0	25								Tipo di acciaio non contemplato
1C	75	-94	8	-13	0	0	17								Tipo di acciaio non contemplato
1D	75	-94	24	-13	0	0	25								Tipo di acciaio non contemplato
1E	75	144	8	13	0	0	17								Tipo di acciaio non contemplato
1F	75	144	24	13	0	0	25								Tipo di acciaio non contemplato
1G	75	144	8	-13	0	0	17								Tipo di acciaio non contemplato
1H	75	144	24	-13	0	0	25								Tipo di acciaio non contemplato
1I	75	-226	8	28	0	0	20								Tipo di acciaio non contemplato
1J	75	-226	24	28	0	0	21								Tipo di acciaio non contemplato
1K	75	-226	8	-28	0	0	20								Tipo di acciaio non contemplato
1L	75	-226	24	-28	0	0	21								Tipo di acciaio non contemplato
1M	75	275	8	28	0	0	20								Tipo di acciaio non contemplato
1N	75	275	24	28	0	0	21								Tipo di acciaio non contemplato
1O	75	275	8	-28	0	0	20								Tipo di acciaio non contemplato
1P	75	275	24	-28	0	0	21								Tipo di acciaio non contemplato
2	75	144	71	6	0	0	149								Tipo di acciaio non contemplato
7	75	118	55	7	0	0	113								Tipo di acciaio non contemplato
8	75	109	56	4	0	0	113								Tipo di acciaio non contemplato
1A	150	-94	-54	13	0	-9	0								Tipo di acciaio non contemplato
1B	150	-94	-38	13	0	-9	20								Tipo di acciaio non contemplato
1C	150	-94	-54	-13	0	9	0								Tipo di acciaio non contemplato
1D	150	-94	-38	-13	0	9	20								Tipo di acciaio non contemplato
1E	150	144	-54	13	0	-9	0								Tipo di acciaio non contemplato
1F	150	144	-38	13	0	-9	20								Tipo di acciaio non contemplato
1G	150	144	-54	-13	0	9	0								Tipo di acciaio non contemplato
1H	150	144	-38	-13	0	9	20								Tipo di acciaio non contemplato
1I	150	-226	-54	28	0	-20	3								Tipo di acciaio non contemplato
1J	150	-226	-37	28	0	-20	17								Tipo di acciaio non contemplato
1K	150	-226	-54	-28	0	20	3								Tipo di acciaio non contemplato
1L	150	-226	-37	-28	0	20	17								Tipo di acciaio non contemplato
1M	150	275	-54	28	0	-20	3								Tipo di acciaio non contemplato
1N	150	275	-37	28	0	-20	17								Tipo di acciaio non contemplato
1O	150	275	-54	-28	0	20	3								Tipo di acciaio non contemplato
1P	150	275	-37	-28	0	20	17								Tipo di acciaio non contemplato
2	150	144	-372	6	0	-5	37								Tipo di acciaio non contemplato

7	150	118	-279	7	0	-5	29							Tipo di acciaio non contemplato
8	150	109	-278	4	0	-3	29							Tipo di acciaio non contemplato

ASTA NUM. 85 NI 839 NF 849 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-87	42	2	0	2	20								Tipo di acciaio non contemplato
1B	0	-87	62	2	0	2	0								Tipo di acciaio non contemplato
1C	0	-87	42	-3	0	-2	20								Tipo di acciaio non contemplato
1D	0	-87	62	-3	0	-2	0								Tipo di acciaio non contemplato
1E	0	100	42	2	0	2	20								Tipo di acciaio non contemplato
1F	0	100	62	2	0	2	0								Tipo di acciaio non contemplato
1G	0	100	42	-3	0	-2	20								Tipo di acciaio non contemplato
1H	0	100	62	-3	0	-2	0								Tipo di acciaio non contemplato
1I	0	-130	44	2	0	2	17								Tipo di acciaio non contemplato
1J	0	-130	60	2	0	2	2								Tipo di acciaio non contemplato
1K	0	-130	44	-2	0	-2	17								Tipo di acciaio non contemplato
1L	0	-130	60	-2	0	-2	2								Tipo di acciaio non contemplato
1M	0	143	44	2	0	2	17								Tipo di acciaio non contemplato
1N	0	143	60	2	0	2	2								Tipo di acciaio non contemplato
1O	0	143	44	-2	0	-2	17								Tipo di acciaio non contemplato
1P	0	143	60	-2	0	-2	2								Tipo di acciaio non contemplato
2	0	98	402	-1	0	0	36								Tipo di acciaio non contemplato
7	0	96	302	-1	0	0	29								Tipo di acciaio non contemplato
8	0	66	302	-1	0	0	29								Tipo di acciaio non contemplato
1A	75	-87	-19	2	0	0	28								Tipo di acciaio non contemplato
1B	75	-87	1	2	0	0	23								Tipo di acciaio non contemplato
1C	75	-87	-19	-3	0	0	28								Tipo di acciaio non contemplato
1D	75	-87	1	-3	0	0	23								Tipo di acciaio non contemplato
1E	75	100	-19	2	0	0	28								Tipo di acciaio non contemplato
1F	75	100	1	2	0	0	23								Tipo di acciaio non contemplato
1G	75	100	-19	-3	0	0	28								Tipo di acciaio non contemplato
1H	75	100	1	-3	0	0	23								Tipo di acciaio non contemplato
1I	75	-130	-17	2	0	0	27								Tipo di acciaio non contemplato
1J	75	-130	-1	2	0	0	24								Tipo di acciaio non contemplato
1K	75	-130	-17	-2	0	0	27								Tipo di acciaio non contemplato
1L	75	-130	-1	-2	0	0	24								Tipo di acciaio non contemplato
1M	75	143	-17	2	0	0	27								Tipo di acciaio non contemplato
1N	75	143	-1	2	0	0	24								Tipo di acciaio non contemplato
1O	75	143	-17	-2	0	0	27								Tipo di acciaio non contemplato
1P	75	143	-1	-2	0	0	24								Tipo di acciaio non contemplato
2	75	98	-41	-1	0	0	172								Tipo di acciaio non contemplato
7	75	96	-32	-1	0	0	130								Tipo di acciaio non contemplato
8	75	66	-32	-1	0	0	130								Tipo di acciaio non contemplato
1A	150	-87	-81	2	0	-1	-9								Tipo di acciaio non contemplato
1B	150	-87	-61	2	0	-1	0								Tipo di acciaio non contemplato
1C	150	-87	-81	-3	0	2	-9								Tipo di acciaio non contemplato
1D	150	-87	-61	-3	0	2	0								Tipo di acciaio non contemplato
1E	150	100	-81	2	0	-1	-9								Tipo di acciaio non contemplato
1F	150	100	-61	2	0	-1	0								Tipo di acciaio non contemplato
1G	150	100	-81	-3	0	2	-9								Tipo di acciaio non contemplato
1H	150	100	-61	-3	0	2	0								Tipo di acciaio non contemplato
1I	150	-130	-79	2	0	-1	-9								Tipo di acciaio non contemplato
1J	150	-130	-63	2	0	-1	0								Tipo di acciaio non contemplato
1K	150	-130	-79	-2	0	2	-9								Tipo di acciaio non contemplato
1L	150	-130	-63	-2	0	2	0								Tipo di acciaio non contemplato
1M	150	143	-79	2	0	-1	-9								Tipo di acciaio non contemplato
1N	150	143	-63	2	0	-1	0								Tipo di acciaio non contemplato
1O	150	143	-79	-2	0	2	-9								Tipo di acciaio non contemplato
1P	150	143	-63	-2	0	2	0								Tipo di acciaio non contemplato
2	150	98	-484	-1	0	0	-25								Tipo di acciaio non contemplato
7	150	96	-365	-1	0	0	-19								Tipo di acciaio non contemplato
8	150	66	-366	-1	0	0	-19								Tipo di acciaio non contemplato

ASTA NUM. 86 NI 849 NF 859 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-226	57	7	0	5	0								Tipo di acciaio non contemplato
1B	0	-226	66	7	0	5	-9								Tipo di acciaio non contemplato
1C	0	-226	57	-8	0	-6	0								Tipo di acciaio non contemplato
1D	0	-226	66	-8	0	-6	-9								Tipo di acciaio non contemplato
1E	0	194	57	7	0	5	0								Tipo di acciaio non contemplato
1F	0	194	66	7	0	5	-9								Tipo di acciaio non contemplato
1G	0	194	57	-8	0	-6	0								Tipo di acciaio non contemplato
1H	0	194	66	-8	0	-6	-9								Tipo di acciaio non contemplato
1I	0	-443	57	15	0	11	0								Tipo di acciaio non contemplato
1J	0	-443	65	15	0	11	-9								Tipo di acciaio non contemplato
1K	0	-443	57	-16	0	-12	0								Tipo di acciaio non contemplato
1L	0	-443	65	-16	0	-12	-9								Tipo di acciaio non contemplato
1M	0	411	57	15	0	11	0								Tipo di acciaio non contemplato

1N	0	411	65	15	0	11	-9	Tipo di acciaio non contemplato
1O	0	411	57	-16	0	-12	0	Tipo di acciaio non contemplato
1P	0	411	65	-16	0	-12	-9	Tipo di acciaio non contemplato
2	0	65	442	2	0	2	-24	Tipo di acciaio non contemplato
7	0	96	332	3	0	2	-18	Tipo di acciaio non contemplato
8	0	28	333	1	0	0	-18	Tipo di acciaio non contemplato
1A	75	-226	-5	7	0	0	20	Tipo di acciaio non contemplato
1B	75	-226	4	7	0	0	17	Tipo di acciaio non contemplato
1C	75	-226	-5	-8	0	0	20	Tipo di acciaio non contemplato
1D	75	-226	4	-8	0	0	17	Tipo di acciaio non contemplato
1E	75	194	-5	7	0	0	20	Tipo di acciaio non contemplato
1F	75	194	4	7	0	0	17	Tipo di acciaio non contemplato
1G	75	194	-5	-8	0	0	20	Tipo di acciaio non contemplato
1H	75	194	4	-8	0	0	17	Tipo di acciaio non contemplato
1I	75	-443	-4	15	0	0	20	Tipo di acciaio non contemplato
1J	75	-443	4	15	0	0	17	Tipo di acciaio non contemplato
1K	75	-443	-4	-16	0	0	20	Tipo di acciaio non contemplato
1L	75	-443	4	-16	0	0	17	Tipo di acciaio non contemplato
1M	75	411	-4	15	0	0	20	Tipo di acciaio non contemplato
1N	75	411	4	15	0	0	17	Tipo di acciaio non contemplato
1O	75	411	-4	-16	0	0	20	Tipo di acciaio non contemplato
1P	75	411	4	-16	0	0	17	Tipo di acciaio non contemplato
2	75	65	-1	2	0	0	141	Tipo di acciaio non contemplato
7	75	96	-1	3	0	0	106	Tipo di acciaio non contemplato
8	75	28	-1	1	0	0	106	Tipo di acciaio non contemplato
1A	150	-226	-66	7	0	-6	-7	Tipo di acciaio non contemplato
1B	150	-226	-57	7	0	-6	-3	Tipo di acciaio non contemplato
1C	150	-226	-66	-8	0	6	-7	Tipo di acciaio non contemplato
1D	150	-226	-57	-8	0	6	-3	Tipo di acciaio non contemplato
1E	150	194	-66	7	0	-6	-7	Tipo di acciaio non contemplato
1F	150	194	-57	7	0	-6	-3	Tipo di acciaio non contemplato
1G	150	194	-66	-8	0	6	-7	Tipo di acciaio non contemplato
1H	150	194	-57	-8	0	6	-3	Tipo di acciaio non contemplato
1I	150	-443	-66	15	0	-11	-6	Tipo di acciaio non contemplato
1J	150	-443	-58	15	0	-11	-3	Tipo di acciaio non contemplato
1K	150	-443	-66	-16	0	12	-6	Tipo di acciaio non contemplato
1L	150	-443	-58	-16	0	12	-3	Tipo di acciaio non contemplato
1M	150	411	-66	15	0	-11	-6	Tipo di acciaio non contemplato
1N	150	411	-58	15	0	-11	-3	Tipo di acciaio non contemplato
1O	150	411	-66	-16	0	12	-6	Tipo di acciaio non contemplato
1P	150	411	-58	-16	0	12	-3	Tipo di acciaio non contemplato
2	150	65	-444	2	0	-2	-25	Tipo di acciaio non contemplato
7	150	96	-335	3	0	-2	-20	Tipo di acciaio non contemplato
8	150	28	-335	1	0	0	-20	Tipo di acciaio non contemplato

ASTA NUM. 87 NI 810 NF 820 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-105	60	2	0	1	0								Tipo di acciaio non contemplato
1B	0	-105	87	2	0	1	-2								Tipo di acciaio non contemplato
1C	0	-105	60	-1	0	0	0								Tipo di acciaio non contemplato
1D	0	-105	87	-1	0	0	-2								Tipo di acciaio non contemplato
1E	0	183	60	2	0	1	0								Tipo di acciaio non contemplato
1F	0	183	87	2	0	1	-2								Tipo di acciaio non contemplato
1G	0	183	60	-1	0	0	0								Tipo di acciaio non contemplato
1H	0	183	87	-1	0	0	-2								Tipo di acciaio non contemplato
1I	0	-81	64	1	0	1	0								Tipo di acciaio non contemplato
1J	0	-81	83	1	0	1	-2								Tipo di acciaio non contemplato
1K	0	-81	64	-1	0	0	0								Tipo di acciaio non contemplato
1L	0	-81	83	-1	0	0	-2								Tipo di acciaio non contemplato
1M	0	159	64	1	0	1	0								Tipo di acciaio non contemplato
1N	0	159	83	1	0	1	-2								Tipo di acciaio non contemplato
1O	0	159	64	-1	0	0	0								Tipo di acciaio non contemplato
1P	0	159	83	-1	0	0	-2								Tipo di acciaio non contemplato
2	0	114	499	1	0	2	-5								Tipo di acciaio non contemplato
7	0	91	377	1	0	1	-4								Tipo di acciaio non contemplato
8	0	96	378	1	0	1	-4								Tipo di acciaio non contemplato
1A	75	-105	-2	2	0	0	22								Tipo di acciaio non contemplato
1B	75	-105	26	2	0	0	41								Tipo di acciaio non contemplato
1C	75	-105	-2	-1	0	0	22								Tipo di acciaio non contemplato
1D	75	-105	26	-1	0	0	41								Tipo di acciaio non contemplato
1E	75	183	-2	2	0	0	22								Tipo di acciaio non contemplato
1F	75	183	26	2	0	0	41								Tipo di acciaio non contemplato
1G	75	183	-2	-1	0	0	22								Tipo di acciaio non contemplato
1H	75	183	26	-1	0	0	41								Tipo di acciaio non contemplato
1I	75	-81	3	1	0	0	26								Tipo di acciaio non contemplato
1J	75	-81	21	1	0	0	37								Tipo di acciaio non contemplato
1K	75	-81	3	-1	0	0	26								Tipo di acciaio non contemplato
1L	75	-81	21	-1	0	0	37								Tipo di acciaio non contemplato
1M	75	159	3	1	0	0	26								Tipo di acciaio non contemplato
1N	75	159	21	1	0	0	37								Tipo di acciaio non contemplato
1O	75	159	3	-1	0	0	26								Tipo di acciaio non contemplato
1P	75	159	21	-1	0	0	37								Tipo di acciaio non contemplato
2	75	114	56	1	0	0	203								Tipo di acciaio non contemplato
7	75	91	43	1	0	0	154								Tipo di acciaio non contemplato
8	75	96	44	1	0	0	154								Tipo di acciaio non contemplato

1A	150	-105	-63	2	0	-1	-2							Tipo di acciaio non contemplato
1B	150	-105	-36	2	0	-1	37							Tipo di acciaio non contemplato
1C	150	-105	-63	-1	0	0	-2							Tipo di acciaio non contemplato
1D	150	-105	-36	-1	0	0	37							Tipo di acciaio non contemplato
1E	150	183	-63	2	0	-1	-2							Tipo di acciaio non contemplato
1F	150	183	-36	2	0	-1	37							Tipo di acciaio non contemplato
1G	150	183	-63	-1	0	0	-2							Tipo di acciaio non contemplato
1H	150	183	-36	-1	0	0	37							Tipo di acciaio non contemplato
1I	150	-81	-59	1	0	0	5							Tipo di acciaio non contemplato
1J	150	-81	-40	1	0	0	30							Tipo di acciaio non contemplato
1K	150	-81	-59	-1	0	0	5							Tipo di acciaio non contemplato
1L	150	-81	-40	-1	0	0	30							Tipo di acciaio non contemplato
1M	150	159	-59	1	0	0	5							Tipo di acciaio non contemplato
1N	150	159	-40	1	0	0	30							Tipo di acciaio non contemplato
1O	150	159	-59	-1	0	0	5							Tipo di acciaio non contemplato
1P	150	159	-40	-1	0	0	30							Tipo di acciaio non contemplato
2	150	114	-387	1	0	0	79							Tipo di acciaio non contemplato
7	150	91	-291	1	0	0	61							Tipo di acciaio non contemplato
8	150	96	-290	1	0	0	62							Tipo di acciaio non contemplato

ASTA NUM. 88 NI 820 NF 830 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-254	21	10	0	8	37								Tipo di acciaio non contemplato
1B	0	-254	53	10	0	8	-3								Tipo di acciaio non contemplato
1C	0	-254	21	-11	0	-8	37								Tipo di acciaio non contemplato
1D	0	-254	53	-11	0	-8	-3								Tipo di acciaio non contemplato
1E	0	237	21	10	0	8	37								Tipo di acciaio non contemplato
1F	0	237	53	10	0	8	-3								Tipo di acciaio non contemplato
1G	0	237	21	-11	0	-8	37								Tipo di acciaio non contemplato
1H	0	237	53	-11	0	-8	-3								Tipo di acciaio non contemplato
1I	0	-119	23	27	0	20	30								Tipo di acciaio non contemplato
1J	0	-119	51	27	0	20	4								Tipo di acciaio non contemplato
1K	0	-119	23	-27	0	-20	30								Tipo di acciaio non contemplato
1L	0	-119	51	-27	0	-20	4								Tipo di acciaio non contemplato
1M	0	102	23	27	0	20	30								Tipo di acciaio non contemplato
1N	0	102	51	27	0	20	4								Tipo di acciaio non contemplato
1O	0	102	23	-27	0	-20	30								Tipo di acciaio non contemplato
1P	0	102	51	-27	0	-20	4								Tipo di acciaio non contemplato
2	0	49	328	4	0	3	78								Tipo di acciaio non contemplato
7	0	35	246	5	0	4	60								Tipo di acciaio non contemplato
8	0	30	244	3	0	2	61								Tipo di acciaio non contemplato
1A	75	-254	-40	10	0	0	30								Tipo di acciaio non contemplato
1B	75	-254	-9	10	0	0	14								Tipo di acciaio non contemplato
1C	75	-254	-40	-11	0	0	30								Tipo di acciaio non contemplato
1D	75	-254	-9	-11	0	0	14								Tipo di acciaio non contemplato
1E	75	237	-40	10	0	0	30								Tipo di acciaio non contemplato
1F	75	237	-9	10	0	0	14								Tipo di acciaio non contemplato
1G	75	237	-40	-11	0	0	30								Tipo di acciaio non contemplato
1H	75	237	-9	-11	0	0	14								Tipo di acciaio non contemplato
1I	75	-119	-38	27	0	0	24								Tipo di acciaio non contemplato
1J	75	-119	-11	27	0	0	19								Tipo di acciaio non contemplato
1K	75	-119	-38	-27	0	0	24								Tipo di acciaio non contemplato
1L	75	-119	-11	-27	0	0	19								Tipo di acciaio non contemplato
1M	75	102	-38	27	0	0	24								Tipo di acciaio non contemplato
1N	75	102	-11	27	0	0	19								Tipo di acciaio non contemplato
1O	75	102	-38	-27	0	0	24								Tipo di acciaio non contemplato
1P	75	102	-11	-27	0	0	19								Tipo di acciaio non contemplato
2	75	49	-114	4	0	0	158								Tipo di acciaio non contemplato
7	75	35	-88	5	0	0	119								Tipo di acciaio non contemplato
8	75	30	-90	3	0	0	119								Tipo di acciaio non contemplato
1A	150	-254	-102	10	0	-8	-24								Tipo di acciaio non contemplato
1B	150	-254	-70	10	0	-8	-16								Tipo di acciaio non contemplato
1C	150	-254	-102	-11	0	8	-24								Tipo di acciaio non contemplato
1D	150	-254	-70	-11	0	8	-16								Tipo di acciaio non contemplato
1E	150	237	-102	10	0	-8	-24								Tipo di acciaio non contemplato
1F	150	237	-70	10	0	-8	-16								Tipo di acciaio non contemplato
1G	150	237	-102	-11	0	8	-24								Tipo di acciaio non contemplato
1H	150	237	-70	-11	0	8	-16								Tipo di acciaio non contemplato
1I	150	-119	-100	27	0	-20	-27								Tipo di acciaio non contemplato
1J	150	-119	-72	27	0	-20	-12								Tipo di acciaio non contemplato
1K	150	-119	-100	-27	0	20	-27								Tipo di acciaio non contemplato
1L	150	-119	-72	-27	0	20	-12								Tipo di acciaio non contemplato
1M	150	102	-100	27	0	-20	-27								Tipo di acciaio non contemplato
1N	150	102	-72	27	0	-20	-12								Tipo di acciaio non contemplato
1O	150	102	-100	-27	0	20	-27								Tipo di acciaio non contemplato
1P	150	102	-72	-27	0	20	-12								Tipo di acciaio non contemplato
2	150	49	-557	4	0	-3	-94								Tipo di acciaio non contemplato
7	150	35	-422	5	0	-3	-72								Tipo di acciaio non contemplato
8	150	30	-423	3	0	-2	-73								Tipo di acciaio non contemplato

ASTA NUM. 89 NI 830 NF 840 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota

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	cm	kg			kg*m			kg/cmq						
1A	0	-136	73	11	0	9	-16							Tipo di acciaio non contemplato
1B	0	-136	97	11	0	9	-23							Tipo di acciaio non contemplato
1C	0	-136	73	-11	0	-9	-16							Tipo di acciaio non contemplato
1D	0	-136	97	-11	0	-9	-23							Tipo di acciaio non contemplato
1E	0	118	73	11	0	9	-16							Tipo di acciaio non contemplato
1F	0	118	97	11	0	9	-23							Tipo di acciaio non contemplato
1G	0	118	73	-11	0	-9	-16							Tipo di acciaio non contemplato
1H	0	118	97	-11	0	-9	-23							Tipo di acciaio non contemplato
1I	0	-166	74	26	0	20	-13							Tipo di acciaio non contemplato
1J	0	-166	96	26	0	20	-26							Tipo di acciaio non contemplato
1K	0	-166	74	-26	0	-20	-13							Tipo di acciaio non contemplato
1L	0	-166	96	-26	0	-20	-26							Tipo di acciaio non contemplato
1M	0	148	74	26	0	20	-13							Tipo di acciaio non contemplato
1N	0	148	96	26	0	20	-26							Tipo di acciaio non contemplato
1O	0	148	74	-26	0	-20	-13							Tipo di acciaio non contemplato
1P	0	148	96	-26	0	-20	-26							Tipo di acciaio non contemplato
2	0	84	548	6	0	4	-94							Tipo di acciaio non contemplato
7	0	72	416	7	0	5	-72							Tipo di acciaio non contemplato
8	0	53	417	4	0	3	-73							Tipo di acciaio non contemplato
1A	75	-136	11	11	0	0	14							Tipo di acciaio non contemplato
1B	75	-136	36	11	0	0	28							Tipo di acciaio non contemplato
1C	75	-136	11	-11	0	0	14							Tipo di acciaio non contemplato
1D	75	-136	36	-11	0	0	28							Tipo di acciaio non contemplato
1E	75	118	11	11	0	0	14							Tipo di acciaio non contemplato
1F	75	118	36	11	0	0	28							Tipo di acciaio non contemplato
1G	75	118	11	-11	0	0	14							Tipo di acciaio non contemplato
1H	75	118	36	-11	0	0	28							Tipo di acciaio non contemplato
1I	75	-166	13	26	0	0	20							Tipo di acciaio non contemplato
1J	75	-166	34	26	0	0	23							Tipo di acciaio non contemplato
1K	75	-166	13	-26	0	0	20							Tipo di acciaio non contemplato
1L	75	-166	34	-26	0	0	23							Tipo di acciaio non contemplato
1M	75	148	13	26	0	0	20							Tipo di acciaio non contemplato
1N	75	148	34	26	0	0	23							Tipo di acciaio non contemplato
1O	75	148	13	-26	0	0	20							Tipo di acciaio non contemplato
1P	75	148	34	-26	0	0	23							Tipo di acciaio non contemplato
2	75	84	106	6	0	0	151							Tipo di acciaio non contemplato
7	75	72	82	7	0	0	114							Tipo di acciaio non contemplato
8	75	53	83	4	0	0	114							Tipo di acciaio non contemplato
1A	150	-136	-51	11	0	-8	-2							Tipo di acciaio non contemplato
1B	150	-136	-26	11	0	-8	33							Tipo di acciaio non contemplato
1C	150	-136	-51	-11	0	9	-2							Tipo di acciaio non contemplato
1D	150	-136	-26	-11	0	9	33							Tipo di acciaio non contemplato
1E	150	118	-51	11	0	-8	-2							Tipo di acciaio non contemplato
1F	150	118	-26	11	0	-8	33							Tipo di acciaio non contemplato
1G	150	118	-51	-11	0	9	-2							Tipo di acciaio non contemplato
1H	150	118	-26	-11	0	9	33							Tipo di acciaio non contemplato
1I	150	-166	-49	26	0	-20	6							Tipo di acciaio non contemplato
1J	150	-166	-27	26	0	-20	26							Tipo di acciaio non contemplato
1K	150	-166	-49	-26	0	20	6							Tipo di acciaio non contemplato
1L	150	-166	-27	-26	0	20	26							Tipo di acciaio non contemplato
1M	150	148	-49	26	0	-20	6							Tipo di acciaio non contemplato
1N	150	148	-27	26	0	-20	26							Tipo di acciaio non contemplato
1O	150	148	-49	-26	0	20	6							Tipo di acciaio non contemplato
1P	150	148	-27	-26	0	20	26							Tipo di acciaio non contemplato
2	150	84	-337	6	0	-4	65							Tipo di acciaio non contemplato
7	150	72	-252	7	0	-5	50							Tipo di acciaio non contemplato
8	150	53	-251	4	0	-3	51							Tipo di acciaio non contemplato

ASTA NUM. 90 NI 840 NF 850 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
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	cm	kg			kg*m			kg/cmq							
1A	0	-263	31	1	0	1	33								Tipo di acciaio non contemplato
1B	0	-263	67	1	0	1	-1								Tipo di acciaio non contemplato
1C	0	-263	31	-2	0	-1	33								Tipo di acciaio non contemplato
1D	0	-263	67	-2	0	-1	-1								Tipo di acciaio non contemplato
1E	0	278	31	1	0	1	33								Tipo di acciaio non contemplato
1F	0	278	67	1	0	1	-1								Tipo di acciaio non contemplato
1G	0	278	31	-2	0	-1	33								Tipo di acciaio non contemplato
1H	0	278	67	-2	0	-1	-1								Tipo di acciaio non contemplato
1I	0	-143	38	1	0	0	26								Tipo di acciaio non contemplato
1J	0	-143	60	1	0	0	6								Tipo di acciaio non contemplato
1K	0	-143	38	-2	0	0	26								Tipo di acciaio non contemplato
1L	0	-143	60	-2	0	0	6								Tipo di acciaio non contemplato
1M	0	158	38	1	0	0	26								Tipo di acciaio non contemplato
1N	0	158	60	1	0	0	6								Tipo di acciaio non contemplato
1O	0	158	38	-2	0	0	26								Tipo di acciaio non contemplato
1P	0	158	60	-2	0	0	6								Tipo di acciaio non contemplato
2	0	75	387	-1	0	0	64								Tipo di acciaio non contemplato
7	0	57	291	-1	0	0	51								Tipo di acciaio non contemplato
8	0	54	290	-1	0	0	51								Tipo di acciaio non contemplato
1A	75	-263	-30	1	0	0	33								Tipo di acciaio non contemplato
1B	75	-263	5	1	0	0	26								Tipo di acciaio non contemplato
1C	75	-263	-30	-2	0	0	33								Tipo di acciaio non contemplato

1D	75	-263	5	-2	0	0	26	Tipo di acciaio non contemplato
1E	75	278	-30	1	0	0	33	Tipo di acciaio non contemplato
1F	75	278	5	1	0	0	26	Tipo di acciaio non contemplato
1G	75	278	-30	-2	0	0	33	Tipo di acciaio non contemplato
1H	75	278	5	-2	0	0	26	Tipo di acciaio non contemplato
1I	75	-143	-24	1	0	0	31	Tipo di acciaio non contemplato
1J	75	-143	-2	1	0	0	28	Tipo di acciaio non contemplato
1K	75	-143	-24	-2	0	0	31	Tipo di acciaio non contemplato
1L	75	-143	-2	-2	0	0	28	Tipo di acciaio non contemplato
1M	75	158	-24	1	0	0	31	Tipo di acciaio non contemplato
1N	75	158	-2	1	0	0	28	Tipo di acciaio non contemplato
1O	75	158	-24	-2	0	0	31	Tipo di acciaio non contemplato
1P	75	158	-2	-2	0	0	28	Tipo di acciaio non contemplato
2	75	75	-56	-1	0	0	189	Tipo di acciaio non contemplato
7	75	57	-43	-1	0	0	144	Tipo di acciaio non contemplato
8	75	54	-44	-1	0	0	144	Tipo di acciaio non contemplato
1A	150	-263	-92	1	0	0	-13	Tipo di acciaio non contemplato
1B	150	-263	-56	1	0	0	6	Tipo di acciaio non contemplato
1C	150	-263	-92	-2	0	1	-13	Tipo di acciaio non contemplato
1D	150	-263	-56	-2	0	1	6	Tipo di acciaio non contemplato
1E	150	278	-92	1	0	0	-13	Tipo di acciaio non contemplato
1F	150	278	-56	1	0	0	6	Tipo di acciaio non contemplato
1G	150	278	-92	-2	0	1	-13	Tipo di acciaio non contemplato
1H	150	278	-56	-2	0	1	6	Tipo di acciaio non contemplato
1I	150	-143	-85	1	0	0	-10	Tipo di acciaio non contemplato
1J	150	-143	-63	1	0	0	3	Tipo di acciaio non contemplato
1K	150	-143	-85	-2	0	1	-10	Tipo di acciaio non contemplato
1L	150	-143	-63	-2	0	1	3	Tipo di acciaio non contemplato
1M	150	158	-85	1	0	0	-10	Tipo di acciaio non contemplato
1N	150	158	-63	1	0	0	3	Tipo di acciaio non contemplato
1O	150	158	-85	-2	0	1	-10	Tipo di acciaio non contemplato
1P	150	158	-63	-2	0	1	3	Tipo di acciaio non contemplato
2	150	75	-499	-1	0	1	-19	Tipo di acciaio non contemplato
7	150	57	-377	-1	0	0	-14	Tipo di acciaio non contemplato
8	150	54	-378	-1	0	0	-14	Tipo di acciaio non contemplato

ASTA NUM. 91 NI 850 NF 860 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-482	50	6	0	5	7								Tipo di acciaio non contemplato
1B	0	-482	66	6	0	5	-12								Tipo di acciaio non contemplato
1C	0	-482	50	-7	0	-6	7								Tipo di acciaio non contemplato
1D	0	-482	66	-7	0	-6	-12								Tipo di acciaio non contemplato
1E	0	493	50	6	0	5	7								Tipo di acciaio non contemplato
1F	0	493	66	6	0	5	-12								Tipo di acciaio non contemplato
1G	0	493	50	-7	0	-6	7								Tipo di acciaio non contemplato
1H	0	493	66	-7	0	-6	-12								Tipo di acciaio non contemplato
1I	0	-175	52	14	0	11	4								Tipo di acciaio non contemplato
1J	0	-175	64	14	0	11	-9								Tipo di acciaio non contemplato
1K	0	-175	52	-16	0	-12	4								Tipo di acciaio non contemplato
1L	0	-175	64	-16	0	-12	-9								Tipo di acciaio non contemplato
1M	0	186	52	14	0	11	4								Tipo di acciaio non contemplato
1N	0	186	64	14	0	11	-9								Tipo di acciaio non contemplato
1O	0	186	52	-16	0	-12	4								Tipo di acciaio non contemplato
1P	0	186	64	-16	0	-12	-9								Tipo di acciaio non contemplato
2	0	11	426	2	0	2	-16								Tipo di acciaio non contemplato
7	0	4	320	3	0	2	-11								Tipo di acciaio non contemplato
8	0	11	320	1	0	0	-12								Tipo di acciaio non contemplato
1A	75	-482	-12	6	0	0	21								Tipo di acciaio non contemplato
1B	75	-482	5	6	0	0	15								Tipo di acciaio non contemplato
1C	75	-482	-12	-7	0	0	21								Tipo di acciaio non contemplato
1D	75	-482	5	-7	0	0	15								Tipo di acciaio non contemplato
1E	75	493	-12	6	0	0	21								Tipo di acciaio non contemplato
1F	75	493	5	6	0	0	15								Tipo di acciaio non contemplato
1G	75	493	-12	-7	0	0	21								Tipo di acciaio non contemplato
1H	75	493	5	-7	0	0	15								Tipo di acciaio non contemplato
1I	75	-175	-9	14	0	0	20								Tipo di acciaio non contemplato
1J	75	-175	2	14	0	0	16								Tipo di acciaio non contemplato
1K	75	-175	-9	-16	0	0	20								Tipo di acciaio non contemplato
1L	75	-175	2	-16	0	0	16								Tipo di acciaio non contemplato
1M	75	186	-9	14	0	0	20								Tipo di acciaio non contemplato
1N	75	186	2	14	0	0	16								Tipo di acciaio non contemplato
1O	75	186	-9	-16	0	0	20								Tipo di acciaio non contemplato
1P	75	186	2	-16	0	0	16								Tipo di acciaio non contemplato
2	75	11	-17	2	0	0	137								Tipo di acciaio non contemplato
7	75	4	-14	3	0	0	103								Tipo di acciaio non contemplato
8	75	11	-14	1	0	0	103								Tipo di acciaio non contemplato
1A	150	-482	-73	6	0	-4	-11								Tipo di acciaio non contemplato
1B	150	-482	-57	6	0	-4	-5								Tipo di acciaio non contemplato
1C	150	-482	-73	-7	0	5	-11								Tipo di acciaio non contemplato
1D	150	-482	-57	-7	0	5	-5								Tipo di acciaio non contemplato
1E	150	493	-73	6	0	-4	-11								Tipo di acciaio non contemplato
1F	150	493	-57	6	0	-4	-5								Tipo di acciaio non contemplato
1G	150	493	-73	-7	0	5	-11								Tipo di acciaio non contemplato
1H	150	493	-57	-7	0	5	-5								Tipo di acciaio non contemplato
1I	150	-175	-71	14	0	-11	-10								Tipo di acciaio non contemplato
1J	150	-175	-59	14	0	-11	-5								Tipo di acciaio non contemplato

1K	150	-175	-71	-16	0	12	-10							Tipo di acciaio non contemplato
1L	150	-175	-59	-16	0	12	-5							Tipo di acciaio non contemplato
1M	150	186	-71	14	0	-11	-10							Tipo di acciaio non contemplato
1N	150	186	-59	14	0	-11	-5							Tipo di acciaio non contemplato
1O	150	186	-71	-16	0	12	-10							Tipo di acciaio non contemplato
1P	150	186	-59	-16	0	12	-5							Tipo di acciaio non contemplato
2	150	11	-460	2	0	-2	-41							Tipo di acciaio non contemplato
7	150	4	-348	3	0	-3	-32							Tipo di acciaio non contemplato
8	150	11	-348	1	0	0	-32							Tipo di acciaio non contemplato

ASTA NUM. 92 NI 860 NF 741 Lungh. 12.5 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7498 3.2230 4.0428 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1007	-159	389	0	22	11								Tipo di acciaio non contemplato
1B	0	-1007	-122	389	0	22	7								Tipo di acciaio non contemplato
1C	0	-1007	-159	-388	0	-22	11								Tipo di acciaio non contemplato
1D	0	-1007	-122	-388	0	-22	7								Tipo di acciaio non contemplato
1E	0	1364	-159	389	0	22	11								Tipo di acciaio non contemplato
1F	0	1364	-122	389	0	22	7								Tipo di acciaio non contemplato
1G	0	1364	-159	-388	0	-22	11								Tipo di acciaio non contemplato
1H	0	1364	-122	-388	0	-22	7								Tipo di acciaio non contemplato
1I	0	-1096	-184	143	0	8	11								Tipo di acciaio non contemplato
1J	0	-1096	-97	143	0	8	6								Tipo di acciaio non contemplato
1K	0	-1096	-184	-143	0	-8	11								Tipo di acciaio non contemplato
1L	0	-1096	-97	-143	0	-8	6								Tipo di acciaio non contemplato
1M	0	1453	-184	143	0	8	11								Tipo di acciaio non contemplato
1N	0	1453	-97	143	0	8	6								Tipo di acciaio non contemplato
1O	0	1453	-184	-143	0	-8	11								Tipo di acciaio non contemplato
1P	0	1453	-97	-143	0	-8	6								Tipo di acciaio non contemplato
2	0	-118	-717	11	0	0	45								Tipo di acciaio non contemplato
7	0	-150	-563	13	0	0	35								Tipo di acciaio non contemplato
8	0	-124	-573	7	0	0	35								Tipo di acciaio non contemplato
1A	6	-1007	-164	389	0	-3	0								Tipo di acciaio non contemplato
1B	6	-1007	-127	389	0	-3	0								Tipo di acciaio non contemplato
1C	6	-1007	-164	-388	0	3	0								Tipo di acciaio non contemplato
1D	6	-1007	-127	-388	0	3	0								Tipo di acciaio non contemplato
1E	6	1364	-164	389	0	-3	0								Tipo di acciaio non contemplato
1F	6	1364	-127	389	0	-3	0								Tipo di acciaio non contemplato
1G	6	1364	-164	-388	0	3	0								Tipo di acciaio non contemplato
1H	6	1364	-127	-388	0	3	0								Tipo di acciaio non contemplato
1I	6	-1097	-189	143	0	0	0								Tipo di acciaio non contemplato
1J	6	-1097	-102	143	0	0	0								Tipo di acciaio non contemplato
1K	6	-1097	-189	-143	0	1	0								Tipo di acciaio non contemplato
1L	6	-1097	-102	-143	0	1	0								Tipo di acciaio non contemplato
1M	6	1453	-189	143	0	0	0								Tipo di acciaio non contemplato
1N	6	1453	-102	143	0	0	0								Tipo di acciaio non contemplato
1O	6	1453	-189	-143	0	1	0								Tipo di acciaio non contemplato
1P	6	1453	-102	-143	0	1	0								Tipo di acciaio non contemplato
2	6	-119	-754	11	0	0	-1								Tipo di acciaio non contemplato
7	6	-151	-591	13	0	0	-1								Tipo di acciaio non contemplato
8	6	-125	-601	7	0	0	-1								Tipo di acciaio non contemplato
1A	13	-1008	-169	389	0	-27	-12								Tipo di acciaio non contemplato
1B	13	-1008	-132	389	0	-27	-7								Tipo di acciaio non contemplato
1C	13	-1008	-169	-388	0	27	-12								Tipo di acciaio non contemplato
1D	13	-1008	-132	-388	0	27	-7								Tipo di acciaio non contemplato
1E	13	1364	-169	389	0	-27	-12								Tipo di acciaio non contemplato
1F	13	1364	-132	389	0	-27	-7								Tipo di acciaio non contemplato
1G	13	1364	-169	-388	0	27	-12								Tipo di acciaio non contemplato
1H	13	1364	-132	-388	0	27	-7								Tipo di acciaio non contemplato
1I	13	-1097	-194	143	0	-10	-13								Tipo di acciaio non contemplato
1J	13	-1097	-107	143	0	-10	-6								Tipo di acciaio non contemplato
1K	13	-1097	-194	-143	0	10	-13								Tipo di acciaio non contemplato
1L	13	-1097	-107	-143	0	10	-6								Tipo di acciaio non contemplato
1M	13	1453	-194	143	0	-10	-13								Tipo di acciaio non contemplato
1N	13	1453	-107	143	0	-10	-6								Tipo di acciaio non contemplato
1O	13	1453	-194	-143	0	10	-13								Tipo di acciaio non contemplato
1P	13	1453	-107	-143	0	10	-6								Tipo di acciaio non contemplato
2	13	-120	-791	11	0	0	-50								Tipo di acciaio non contemplato
7	13	-152	-619	13	0	0	-39								Tipo di acciaio non contemplato
8	13	-125	-629	7	0	0	-40								Tipo di acciaio non contemplato

ASTA NUM. 93 NI 811 NF 821 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-88	60	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-88	94	1	0	0	-2								Tipo di acciaio non contemplato
1C	0	-88	60	-1	0	0	0								Tipo di acciaio non contemplato
1D	0	-88	94	-1	0	0	-2								Tipo di acciaio non contemplato
1E	0	148	60	1	0	0	0								Tipo di acciaio non contemplato
1F	0	148	94	1	0	0	-2								Tipo di acciaio non contemplato

1G	0	148	60	-1	0	0	0	Tipo di acciaio non contemplato
1H	0	148	94	-1	0	0	-2	Tipo di acciaio non contemplato
1I	0	-35	68	1	0	1	0	Tipo di acciaio non contemplato
1J	0	-35	86	1	0	1	-2	Tipo di acciaio non contemplato
1K	0	-35	68	-1	0	0	0	Tipo di acciaio non contemplato
1L	0	-35	86	-1	0	0	-2	Tipo di acciaio non contemplato
1M	0	96	68	1	0	1	0	Tipo di acciaio non contemplato
1N	0	96	86	1	0	1	-2	Tipo di acciaio non contemplato
1O	0	96	68	-1	0	0	0	Tipo di acciaio non contemplato
1P	0	96	86	-1	0	0	-2	Tipo di acciaio non contemplato
2	0	101	515	1	0	2	-6	Tipo di acciaio non contemplato
7	0	87	390	1	0	1	-4	Tipo di acciaio non contemplato
8	0	82	390	1	0	1	-4	Tipo di acciaio non contemplato
1A	75	-88	-2	1	0	0	22	Tipo di acciaio non contemplato
1B	75	-88	32	1	0	0	45	Tipo di acciaio non contemplato
1C	75	-88	-2	-1	0	0	22	Tipo di acciaio non contemplato
1D	75	-88	32	-1	0	0	45	Tipo di acciaio non contemplato
1E	75	148	-2	1	0	0	22	Tipo di acciaio non contemplato
1F	75	148	32	1	0	0	45	Tipo di acciaio non contemplato
1G	75	148	-2	-1	0	0	22	Tipo di acciaio non contemplato
1H	75	148	32	-1	0	0	45	Tipo di acciaio non contemplato
1I	75	-35	7	1	0	0	28	Tipo di acciaio non contemplato
1J	75	-35	24	1	0	0	39	Tipo di acciaio non contemplato
1K	75	-35	7	-1	0	0	28	Tipo di acciaio non contemplato
1L	75	-35	24	-1	0	0	39	Tipo di acciaio non contemplato
1M	75	96	7	1	0	0	28	Tipo di acciaio non contemplato
1N	75	96	24	1	0	0	39	Tipo di acciaio non contemplato
1O	75	96	7	-1	0	0	28	Tipo di acciaio non contemplato
1P	75	96	24	-1	0	0	39	Tipo di acciaio non contemplato
2	75	101	72	1	0	0	214	Tipo di acciaio non contemplato
7	75	87	56	1	0	0	163	Tipo di acciaio non contemplato
8	75	82	56	1	0	0	163	Tipo di acciaio non contemplato
1A	150	-88	-63	1	0	0	-2	Tipo di acciaio non contemplato
1B	150	-88	-29	1	0	0	47	Tipo di acciaio non contemplato
1C	150	-88	-63	-1	0	0	-2	Tipo di acciaio non contemplato
1D	150	-88	-29	-1	0	0	47	Tipo di acciaio non contemplato
1E	150	148	-63	1	0	0	-2	Tipo di acciaio non contemplato
1F	150	148	-29	1	0	0	47	Tipo di acciaio non contemplato
1G	150	148	-63	-1	0	0	-2	Tipo di acciaio non contemplato
1H	150	148	-29	-1	0	0	47	Tipo di acciaio non contemplato
1I	150	-35	-55	1	0	0	10	Tipo di acciaio non contemplato
1J	150	-35	-37	1	0	0	34	Tipo di acciaio non contemplato
1K	150	-35	-55	-1	0	0	10	Tipo di acciaio non contemplato
1L	150	-35	-37	-1	0	0	34	Tipo di acciaio non contemplato
1M	150	96	-55	1	0	0	10	Tipo di acciaio non contemplato
1N	150	96	-37	1	0	0	34	Tipo di acciaio non contemplato
1O	150	96	-55	-1	0	0	10	Tipo di acciaio non contemplato
1P	150	96	-37	-1	0	0	34	Tipo di acciaio non contemplato
2	150	101	-371	1	0	0	102	Tipo di acciaio non contemplato
7	150	87	-278	1	0	0	79	Tipo di acciaio non contemplato
8	150	82	-278	1	0	0	80	Tipo di acciaio non contemplato

ASTA NUM. 94 NI 821 NF 831 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-293	13	10	0	7	47								Tipo di acciaio non contemplato
1B	0	-293	51	10	0	7	-3								Tipo di acciaio non contemplato
1C	0	-293	13	-10	0	-8	47								Tipo di acciaio non contemplato
1D	0	-293	51	-10	0	-8	-3								Tipo di acciaio non contemplato
1E	0	157	13	10	0	7	47								Tipo di acciaio non contemplato
1F	0	157	51	10	0	7	-3								Tipo di acciaio non contemplato
1G	0	157	13	-10	0	-8	47								Tipo di acciaio non contemplato
1H	0	157	51	-10	0	-8	-3								Tipo di acciaio non contemplato
1I	0	-163	19	27	0	20	34								Tipo di acciaio non contemplato
1J	0	-163	45	27	0	20	9								Tipo di acciaio non contemplato
1K	0	-163	19	-27	0	-20	34								Tipo di acciaio non contemplato
1L	0	-163	45	-27	0	-20	9								Tipo di acciaio non contemplato
1M	0	26	19	27	0	20	34								Tipo di acciaio non contemplato
1N	0	26	45	27	0	20	9								Tipo di acciaio non contemplato
1O	0	26	19	-27	0	-20	34								Tipo di acciaio non contemplato
1P	0	26	45	-27	0	-20	9								Tipo di acciaio non contemplato
2	0	-237	305	5	0	4	101								Tipo di acciaio non contemplato
7	0	-187	227	5	0	4	78								Tipo di acciaio non contemplato
8	0	-194	226	3	0	2	79								Tipo di acciaio non contemplato
1A	75	-293	-48	10	0	0	33								Tipo di acciaio non contemplato
1B	75	-293	-10	10	0	0	12								Tipo di acciaio non contemplato
1C	75	-293	-48	-10	0	0	33								Tipo di acciaio non contemplato
1D	75	-293	-10	-10	0	0	12								Tipo di acciaio non contemplato
1E	75	157	-48	10	0	0	33								Tipo di acciaio non contemplato
1F	75	157	-10	10	0	0	12								Tipo di acciaio non contemplato
1G	75	157	-48	-10	0	0	33								Tipo di acciaio non contemplato
1H	75	157	-10	-10	0	0	12								Tipo di acciaio non contemplato
1I	75	-163	-42	27	0	0	26								Tipo di acciaio non contemplato
1J	75	-163	-17	27	0	0	20								Tipo di acciaio non contemplato
1K	75	-163	-42	-27	0	0	26								Tipo di acciaio non contemplato
1L	75	-163	-17	-27	0	0	20								Tipo di acciaio non contemplato
1M	75	26	-42	27	0	0	26								Tipo di acciaio non contemplato

1N	75	26	-17	27	0	0	20	Tipo di acciaio non contemplato
1O	75	26	-42	-27	0	0	26	Tipo di acciaio non contemplato
1P	75	26	-17	-27	0	0	20	Tipo di acciaio non contemplato
2	75	-237	-138	5	0	0	163	Tipo di acciaio non contemplato
7	75	-187	-107	5	0	0	123	Tipo di acciaio non contemplato
8	75	-194	-108	3	0	0	123	Tipo di acciaio non contemplato
1A	150	-293	-110	10	0	-7	-26	Tipo di acciaio non contemplato
1B	150	-293	-72	10	0	-7	-18	Tipo di acciaio non contemplato
1C	150	-293	-110	-10	0	8	-26	Tipo di acciaio non contemplato
1D	150	-293	-72	-10	0	8	-18	Tipo di acciaio non contemplato
1E	150	157	-110	10	0	-7	-26	Tipo di acciaio non contemplato
1F	150	157	-72	10	0	-7	-18	Tipo di acciaio non contemplato
1G	150	157	-110	-10	0	8	-26	Tipo di acciaio non contemplato
1H	150	157	-72	-10	0	8	-18	Tipo di acciaio non contemplato
1I	150	-163	-104	27	0	-20	-29	Tipo di acciaio non contemplato
1J	150	-163	-78	27	0	-20	-16	Tipo di acciaio non contemplato
1K	150	-163	-104	-27	0	21	-29	Tipo di acciaio non contemplato
1L	150	-163	-78	-27	0	21	-16	Tipo di acciaio non contemplato
1M	150	26	-104	27	0	-20	-29	Tipo di acciaio non contemplato
1N	150	26	-78	27	0	-20	-16	Tipo di acciaio non contemplato
1O	150	26	-104	-27	0	21	-29	Tipo di acciaio non contemplato
1P	150	26	-78	-27	0	21	-16	Tipo di acciaio non contemplato
2	150	-237	-581	5	0	-3	-106	Tipo di acciaio non contemplato
7	150	-187	-441	5	0	-4	-82	Tipo di acciaio non contemplato
8	150	-194	-442	3	0	-2	-83	Tipo di acciaio non contemplato

ASTA NUM. 95 NI 831 NF 841 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-121	74	11	0	8	-19								Tipo di acciaio non contemplato
1B	0	-121	104	11	0	8	-25								Tipo di acciaio non contemplato
1C	0	-121	74	-11	0	-8	-19								Tipo di acciaio non contemplato
1D	0	-121	104	-11	0	-8	-25								Tipo di acciaio non contemplato
1E	0	-21	74	11	0	8	-19								Tipo di acciaio non contemplato
1F	0	-21	104	11	0	8	-25								Tipo di acciaio non contemplato
1G	0	-21	74	-11	0	-8	-19								Tipo di acciaio non contemplato
1H	0	-21	104	-11	0	-8	-25								Tipo di acciaio non contemplato
1I	0	-98	79	26	0	20	-17								Tipo di acciaio non contemplato
1J	0	-98	99	26	0	20	-28								Tipo di acciaio non contemplato
1K	0	-98	79	-26	0	-20	-17								Tipo di acciaio non contemplato
1L	0	-98	99	-26	0	-20	-28								Tipo di acciaio non contemplato
1M	0	-44	79	26	0	20	-17								Tipo di acciaio non contemplato
1N	0	-44	99	26	0	20	-28								Tipo di acciaio non contemplato
1O	0	-44	79	-26	0	-20	-17								Tipo di acciaio non contemplato
1P	0	-44	99	-26	0	-20	-28								Tipo di acciaio non contemplato
2	0	-261	568	6	0	5	-107								Tipo di acciaio non contemplato
7	0	-206	431	7	0	5	-82								Tipo di acciaio non contemplato
8	0	-211	432	4	0	3	-83								Tipo di acciaio non contemplato
1A	75	-121	12	11	0	0	12								Tipo di acciaio non contemplato
1B	75	-121	43	11	0	0	31								Tipo di acciaio non contemplato
1C	75	-121	12	-11	0	0	12								Tipo di acciaio non contemplato
1D	75	-121	43	-11	0	0	31								Tipo di acciaio non contemplato
1E	75	-21	12	11	0	0	12								Tipo di acciaio non contemplato
1F	75	-21	43	11	0	0	31								Tipo di acciaio non contemplato
1G	75	-21	12	-11	0	0	12								Tipo di acciaio non contemplato
1H	75	-21	43	-11	0	0	31								Tipo di acciaio non contemplato
1I	75	-98	18	26	0	0	19								Tipo di acciaio non contemplato
1J	75	-98	38	26	0	0	24								Tipo di acciaio non contemplato
1K	75	-98	18	-26	0	0	19								Tipo di acciaio non contemplato
1L	75	-98	38	-26	0	0	24								Tipo di acciaio non contemplato
1M	75	-44	18	26	0	0	19								Tipo di acciaio non contemplato
1N	75	-44	38	26	0	0	24								Tipo di acciaio non contemplato
1O	75	-44	18	-26	0	0	19								Tipo di acciaio non contemplato
1P	75	-44	38	-26	0	0	24								Tipo di acciaio non contemplato
2	75	-261	125	6	0	0	153								Tipo di acciaio non contemplato
7	75	-206	97	7	0	0	116								Tipo di acciaio non contemplato
8	75	-211	98	4	0	0	115								Tipo di acciaio non contemplato
1A	150	-121	-49	11	0	-8	-3								Tipo di acciaio non contemplato
1B	150	-121	-19	11	0	-8	41								Tipo di acciaio non contemplato
1C	150	-121	-49	-11	0	8	-3								Tipo di acciaio non contemplato
1D	150	-121	-19	-11	0	8	41								Tipo di acciaio non contemplato
1E	150	-21	-49	11	0	-8	-3								Tipo di acciaio non contemplato
1F	150	-21	-19	11	0	-8	41								Tipo di acciaio non contemplato
1G	150	-21	-49	-11	0	8	-3								Tipo di acciaio non contemplato
1H	150	-21	-19	-11	0	8	41								Tipo di acciaio non contemplato
1I	150	-98	-44	26	0	-20	9								Tipo di acciaio non contemplato
1J	150	-98	-24	26	0	-20	29								Tipo di acciaio non contemplato
1K	150	-98	-44	-26	0	20	9								Tipo di acciaio non contemplato
1L	150	-98	-24	-26	0	20	29								Tipo di acciaio non contemplato
1M	150	-44	-44	26	0	-20	9								Tipo di acciaio non contemplato
1N	150	-44	-24	26	0	-20	29								Tipo di acciaio non contemplato
1O	150	-44	-44	-26	0	20	9								Tipo di acciaio non contemplato
1P	150	-44	-24	-26	0	20	29								Tipo di acciaio non contemplato
2	150	-261	-318	6	0	-5	81								Tipo di acciaio non contemplato
7	150	-206	-237	7	0	-5	63								Tipo di acciaio non contemplato
8	150	-211	-236	4	0	-3	64								Tipo di acciaio non contemplato

ASTA NUM. 96 NI 841 NF 851 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-68	25	1	0	0	41								Tipo di acciaio non contemplato
1B	0	-68	71	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-68	25	-1	0	-1	41								Tipo di acciaio non contemplato
1D	0	-68	71	-1	0	-1	-3								Tipo di acciaio non contemplato
1E	0	47	25	1	0	0	41								Tipo di acciaio non contemplato
1F	0	47	71	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	47	25	-1	0	-1	41								Tipo di acciaio non contemplato
1H	0	47	71	-1	0	-1	-3								Tipo di acciaio non contemplato
1I	0	-38	37	1	0	0	30								Tipo di acciaio non contemplato
1J	0	-38	59	1	0	0	9								Tipo di acciaio non contemplato
1K	0	-38	37	-1	0	0	30								Tipo di acciaio non contemplato
1L	0	-38	59	-1	0	0	9								Tipo di acciaio non contemplato
1M	0	17	37	1	0	0	30								Tipo di acciaio non contemplato
1N	0	17	59	1	0	0	9								Tipo di acciaio non contemplato
1O	0	17	37	-1	0	0	30								Tipo di acciaio non contemplato
1P	0	17	59	-1	0	0	9								Tipo di acciaio non contemplato
2	0	-28	382	-1	0	0	81								Tipo di acciaio non contemplato
7	0	-25	287	-1	0	0	63								Tipo di acciaio non contemplato
8	0	-24	286	-1	0	0	64								Tipo di acciaio non contemplato
1A	75	-68	-37	1	0	0	37								Tipo di acciaio non contemplato
1B	75	-68	9	1	0	0	27								Tipo di acciaio non contemplato
1C	75	-68	-37	-1	0	0	37								Tipo di acciaio non contemplato
1D	75	-68	9	-1	0	0	27								Tipo di acciaio non contemplato
1E	75	47	-37	1	0	0	37								Tipo di acciaio non contemplato
1F	75	47	9	1	0	0	27								Tipo di acciaio non contemplato
1G	75	47	-37	-1	0	0	37								Tipo di acciaio non contemplato
1H	75	47	9	-1	0	0	27								Tipo di acciaio non contemplato
1I	75	-38	-25	1	0	0	34								Tipo di acciaio non contemplato
1J	75	-38	-2	1	0	0	30								Tipo di acciaio non contemplato
1K	75	-38	-25	-1	0	0	34								Tipo di acciaio non contemplato
1L	75	-38	-2	-1	0	0	30								Tipo di acciaio non contemplato
1M	75	17	-25	1	0	0	34								Tipo di acciaio non contemplato
1N	75	17	-2	1	0	0	30								Tipo di acciaio non contemplato
1O	75	17	-25	-1	0	0	34								Tipo di acciaio non contemplato
1P	75	17	-2	-1	0	0	30								Tipo di acciaio non contemplato
2	75	-28	-61	-1	0	0	201								Tipo di acciaio non contemplato
7	75	-25	-47	-1	0	0	153								Tipo di acciaio non contemplato
8	75	-24	-48	-1	0	0	153								Tipo di acciaio non contemplato
1A	150	-68	-98	1	0	0	-14								Tipo di acciaio non contemplato
1B	150	-68	-52	1	0	0	11								Tipo di acciaio non contemplato
1C	150	-68	-98	-1	0	1	-14								Tipo di acciaio non contemplato
1D	150	-68	-52	-1	0	1	11								Tipo di acciaio non contemplato
1E	150	47	-98	1	0	0	-14								Tipo di acciaio non contemplato
1F	150	47	-52	1	0	0	11								Tipo di acciaio non contemplato
1G	150	47	-98	-1	0	1	-14								Tipo di acciaio non contemplato
1H	150	47	-52	-1	0	1	11								Tipo di acciaio non contemplato
1I	150	-38	-86	1	0	0	-8								Tipo di acciaio non contemplato
1J	150	-38	-64	1	0	0	5								Tipo di acciaio non contemplato
1K	150	-38	-86	-1	0	1	-8								Tipo di acciaio non contemplato
1L	150	-38	-64	-1	0	1	5								Tipo di acciaio non contemplato
1M	150	17	-86	1	0	0	-8								Tipo di acciaio non contemplato
1N	150	17	-64	1	0	0	5								Tipo di acciaio non contemplato
1O	150	17	-86	-1	0	1	-8								Tipo di acciaio non contemplato
1P	150	17	-64	-1	0	1	5								Tipo di acciaio non contemplato
2	150	-28	-504	-1	0	1	-11								Tipo di acciaio non contemplato
7	150	-25	-381	-1	0	0	-7								Tipo di acciaio non contemplato
8	150	-24	-382	-1	0	1	-8								Tipo di acciaio non contemplato

ASTA NUM. 97 NI 851 NF 861 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-112	46	6	0	4	12								Tipo di acciaio non contemplato
1B	0	-112	66	6	0	4	-13								Tipo di acciaio non contemplato
1C	0	-112	46	-7	0	-5	12								Tipo di acciaio non contemplato
1D	0	-112	66	-7	0	-5	-13								Tipo di acciaio non contemplato
1E	0	87	46	6	0	4	12								Tipo di acciaio non contemplato
1F	0	87	66	6	0	4	-13								Tipo di acciaio non contemplato
1G	0	87	46	-7	0	-5	12								Tipo di acciaio non contemplato
1H	0	87	66	-7	0	-5	-13								Tipo di acciaio non contemplato
1I	0	-45	51	15	0	11	5								Tipo di acciaio non contemplato
1J	0	-45	61	15	0	11	-7								Tipo di acciaio non contemplato
1K	0	-45	51	-15	0	-12	5								Tipo di acciaio non contemplato
1L	0	-45	61	-15	0	-12	-7								Tipo di acciaio non contemplato
1M	0	20	51	15	0	11	5								Tipo di acciaio non contemplato
1N	0	20	61	15	0	11	-7								Tipo di acciaio non contemplato
1O	0	20	51	-15	0	-12	5								Tipo di acciaio non contemplato
1P	0	20	61	-15	0	-12	-7								Tipo di acciaio non contemplato

2	0	-54	416	3	0	2	-7	Tipo di acciaio non contemplato
7	0	-42	312	4	0	3	-5	Tipo di acciaio non contemplato
8	0	-43	313	1	0	0	-5	Tipo di acciaio non contemplato
1A	75	-112	-16	6	0	0	23	Tipo di acciaio non contemplato
1B	75	-112	4	6	0	0	13	Tipo di acciaio non contemplato
1C	75	-112	-16	-7	0	0	23	Tipo di acciaio non contemplato
1D	75	-112	4	-7	0	0	13	Tipo di acciaio non contemplato
1E	75	87	-16	6	0	0	23	Tipo di acciaio non contemplato
1F	75	87	4	6	0	0	13	Tipo di acciaio non contemplato
1G	75	87	-16	-7	0	0	23	Tipo di acciaio non contemplato
1H	75	87	4	-7	0	0	13	Tipo di acciaio non contemplato
1I	75	-45	-11	15	0	0	20	Tipo di acciaio non contemplato
1J	75	-45	-1	15	0	0	16	Tipo di acciaio non contemplato
1K	75	-45	-11	-15	0	0	20	Tipo di acciaio non contemplato
1L	75	-45	-1	-15	0	0	16	Tipo di acciaio non contemplato
1M	75	20	-11	15	0	0	20	Tipo di acciaio non contemplato
1N	75	20	-1	15	0	0	16	Tipo di acciaio non contemplato
1O	75	20	-11	-15	0	0	20	Tipo di acciaio non contemplato
1P	75	20	-1	-15	0	0	16	Tipo di acciaio non contemplato
2	75	-54	-27	3	0	0	139	Tipo di acciaio non contemplato
7	75	-42	-22	4	0	0	104	Tipo di acciaio non contemplato
8	75	-43	-21	1	0	0	104	Tipo di acciaio non contemplato
1A	150	-112	-77	6	0	-5	-12	Tipo di acciaio non contemplato
1B	150	-112	-57	6	0	-5	-7	Tipo di acciaio non contemplato
1C	150	-112	-77	-7	0	5	-12	Tipo di acciaio non contemplato
1D	150	-112	-57	-7	0	5	-7	Tipo di acciaio non contemplato
1E	150	87	-77	6	0	-5	-12	Tipo di acciaio non contemplato
1F	150	87	-57	6	0	-5	-7	Tipo di acciaio non contemplato
1G	150	87	-77	-7	0	5	-12	Tipo di acciaio non contemplato
1H	150	87	-57	-7	0	5	-7	Tipo di acciaio non contemplato
1I	150	-45	-72	15	0	-11	-11	Tipo di acciaio non contemplato
1J	150	-45	-62	15	0	-11	-8	Tipo di acciaio non contemplato
1K	150	-45	-72	-15	0	12	-11	Tipo di acciaio non contemplato
1L	150	-45	-62	-15	0	12	-8	Tipo di acciaio non contemplato
1M	150	20	-72	15	0	-11	-11	Tipo di acciaio non contemplato
1N	150	20	-62	15	0	-11	-8	Tipo di acciaio non contemplato
1O	150	20	-72	-15	0	12	-11	Tipo di acciaio non contemplato
1P	150	20	-62	-15	0	12	-8	Tipo di acciaio non contemplato
2	150	-54	-469	3	0	-2	-47	Tipo di acciaio non contemplato
7	150	-42	-356	4	0	-3	-37	Tipo di acciaio non contemplato
8	150	-43	-355	1	0	-1	-37	Tipo di acciaio non contemplato

ASTA NUM. 98 NI 815 NF 825 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-263	61	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-263	96	1	0	0	-2								Tipo di acciaio non contemplato
1C	0	-263	61	-0	0	0	0								Tipo di acciaio non contemplato
1D	0	-263	96	-0	0	0	-2								Tipo di acciaio non contemplato
1E	0	-36	61	1	0	0	0								Tipo di acciaio non contemplato
1F	0	-36	96	1	0	0	-2								Tipo di acciaio non contemplato
1G	0	-36	61	-0	0	0	0								Tipo di acciaio non contemplato
1H	0	-36	96	-0	0	0	-2								Tipo di acciaio non contemplato
1I	0	-195	72	1	0	0	0								Tipo di acciaio non contemplato
1J	0	-195	85	1	0	0	-2								Tipo di acciaio non contemplato
1K	0	-195	72	-1	0	0	0								Tipo di acciaio non contemplato
1L	0	-195	85	-1	0	0	-2								Tipo di acciaio non contemplato
1M	0	-104	72	1	0	0	0								Tipo di acciaio non contemplato
1N	0	-104	85	1	0	0	-2								Tipo di acciaio non contemplato
1O	0	-104	72	-1	0	0	0								Tipo di acciaio non contemplato
1P	0	-104	85	-1	0	0	-2								Tipo di acciaio non contemplato
2	0	-819	524	1	0	0	-7								Tipo di acciaio non contemplato
7	0	-630	397	1	0	0	-6								Tipo di acciaio non contemplato
8	0	-632	397	0	0	0	-6								Tipo di acciaio non contemplato
1A	75	-263	-1	1	0	0	22								Tipo di acciaio non contemplato
1B	75	-263	35	1	0	0	47								Tipo di acciaio non contemplato
1C	75	-263	-1	-0	0	0	22								Tipo di acciaio non contemplato
1D	75	-263	35	-0	0	0	47								Tipo di acciaio non contemplato
1E	75	-36	-1	1	0	0	22								Tipo di acciaio non contemplato
1F	75	-36	35	1	0	0	47								Tipo di acciaio non contemplato
1G	75	-36	-1	-0	0	0	22								Tipo di acciaio non contemplato
1H	75	-36	35	-0	0	0	47								Tipo di acciaio non contemplato
1I	75	-195	11	1	0	0	30								Tipo di acciaio non contemplato
1J	75	-195	24	1	0	0	39								Tipo di acciaio non contemplato
1K	75	-195	11	-1	0	0	30								Tipo di acciaio non contemplato
1L	75	-195	24	-1	0	0	39								Tipo di acciaio non contemplato
1M	75	-104	11	1	0	0	30								Tipo di acciaio non contemplato
1N	75	-104	24	1	0	0	39								Tipo di acciaio non contemplato
1O	75	-104	11	-1	0	0	30								Tipo di acciaio non contemplato
1P	75	-104	24	-1	0	0	39								Tipo di acciaio non contemplato
2	75	-819	81	1	0	0	219								Tipo di acciaio non contemplato
7	75	-630	63	1	0	0	167								Tipo di acciaio non contemplato
8	75	-632	63	0	0	0	167								Tipo di acciaio non contemplato
1A	150	-263	-62	1	0	0	-1								Tipo di acciaio non contemplato
1B	150	-263	-27	1	0	0	50								Tipo di acciaio non contemplato
1C	150	-263	-62	-0	0	0	-1								Tipo di acciaio non contemplato

1D	150	-263	-27	-0	0	0	50						Tipo di acciaio non contemplato
1E	150	-36	-62	1	0	0	-1						Tipo di acciaio non contemplato
1F	150	-36	-27	1	0	0	50						Tipo di acciaio non contemplato
1G	150	-36	-62	-0	0	0	-1						Tipo di acciaio non contemplato
1H	150	-36	-27	-0	0	0	50						Tipo di acciaio non contemplato
1I	150	-195	-51	1	0	0	15						Tipo di acciaio non contemplato
1J	150	-195	-38	1	0	0	34						Tipo di acciaio non contemplato
1K	150	-195	-51	-1	0	0	15						Tipo di acciaio non contemplato
1L	150	-195	-38	-1	0	0	34						Tipo di acciaio non contemplato
1M	150	-104	-51	1	0	0	15						Tipo di acciaio non contemplato
1N	150	-104	-38	1	0	0	34						Tipo di acciaio non contemplato
1O	150	-104	-51	-1	0	0	15						Tipo di acciaio non contemplato
1P	150	-104	-38	-1	0	0	34						Tipo di acciaio non contemplato
2	150	-819	-362	1	0	0	114						Tipo di acciaio non contemplato
7	150	-630	-271	1	0	0	89						Tipo di acciaio non contemplato
8	150	-632	-270	0	0	0	89						Tipo di acciaio non contemplato

ASTA NUM. 99 NI 825 NF 835 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-677	10	10	0	7	51								Tipo di acciaio non contemplato
1B	0	-677	50	10	0	7	-3								Tipo di acciaio non contemplato
1C	0	-677	10	-10	0	-8	51								Tipo di acciaio non contemplato
1D	0	-677	50	-10	0	-8	-3								Tipo di acciaio non contemplato
1E	0	-163	10	10	0	7	51								Tipo di acciaio non contemplato
1F	0	-163	50	10	0	7	-3								Tipo di acciaio non contemplato
1G	0	-163	10	-10	0	-8	51								Tipo di acciaio non contemplato
1H	0	-163	50	-10	0	-8	-3								Tipo di acciaio non contemplato
1I	0	-514	21	27	0	20	34								Tipo di acciaio non contemplato
1J	0	-514	39	27	0	20	14								Tipo di acciaio non contemplato
1K	0	-514	21	-27	0	-21	34								Tipo di acciaio non contemplato
1L	0	-514	39	-27	0	-21	14								Tipo di acciaio non contemplato
1M	0	-326	21	27	0	20	34								Tipo di acciaio non contemplato
1N	0	-326	39	27	0	20	14								Tipo di acciaio non contemplato
1O	0	-326	21	-27	0	-21	34								Tipo di acciaio non contemplato
1P	0	-326	39	-27	0	-21	14								Tipo di acciaio non contemplato
2	0	-2036	293	5	0	4	113								Tipo di acciaio non contemplato
7	0	-1585	217	5	0	4	88								Tipo di acciaio non contemplato
8	0	-1589	216	3	0	2	88								Tipo di acciaio non contemplato
1A	75	-677	-52	10	0	0	35								Tipo di acciaio non contemplato
1B	75	-677	-12	10	0	0	12								Tipo di acciaio non contemplato
1C	75	-677	-52	-10	0	0	35								Tipo di acciaio non contemplato
1D	75	-677	-12	-10	0	0	12								Tipo di acciaio non contemplato
1E	75	-163	-52	10	0	0	35								Tipo di acciaio non contemplato
1F	75	-163	-12	10	0	0	12								Tipo di acciaio non contemplato
1G	75	-163	-52	-10	0	0	35								Tipo di acciaio non contemplato
1H	75	-163	-12	-10	0	0	12								Tipo di acciaio non contemplato
1I	75	-514	-40	27	0	0	27								Tipo di acciaio non contemplato
1J	75	-514	-23	27	0	0	20								Tipo di acciaio non contemplato
1K	75	-514	-40	-27	0	0	27								Tipo di acciaio non contemplato
1L	75	-514	-23	-27	0	0	20								Tipo di acciaio non contemplato
1M	75	-326	-40	27	0	0	27								Tipo di acciaio non contemplato
1N	75	-326	-23	27	0	0	20								Tipo di acciaio non contemplato
1O	75	-326	-40	-27	0	0	27								Tipo di acciaio non contemplato
1P	75	-326	-23	-27	0	0	20								Tipo di acciaio non contemplato
2	75	-2036	-150	5	0	0	166								Tipo di acciaio non contemplato
7	75	-1585	-116	5	0	0	126								Tipo di acciaio non contemplato
8	75	-1589	-117	3	0	0	125								Tipo di acciaio non contemplato
1A	150	-677	-113	10	0	-7	-27								Tipo di acciaio non contemplato
1B	150	-677	-73	10	0	-7	-20								Tipo di acciaio non contemplato
1C	150	-677	-113	-10	0	8	-27								Tipo di acciaio non contemplato
1D	150	-677	-73	-10	0	8	-20								Tipo di acciaio non contemplato
1E	150	-163	-113	10	0	-7	-27								Tipo di acciaio non contemplato
1F	150	-163	-73	10	0	-7	-20								Tipo di acciaio non contemplato
1G	150	-163	-113	-10	0	8	-27								Tipo di acciaio non contemplato
1H	150	-163	-73	-10	0	8	-20								Tipo di acciaio non contemplato
1I	150	-514	-102	27	0	-20	-27								Tipo di acciaio non contemplato
1J	150	-514	-84	27	0	-20	-20								Tipo di acciaio non contemplato
1K	150	-514	-102	-27	0	20	-27								Tipo di acciaio non contemplato
1L	150	-514	-84	-27	0	20	-20								Tipo di acciaio non contemplato
1M	150	-326	-102	27	0	-20	-27								Tipo di acciaio non contemplato
1N	150	-326	-84	27	0	-20	-20								Tipo di acciaio non contemplato
1O	150	-326	-102	-27	0	20	-27								Tipo di acciaio non contemplato
1P	150	-326	-84	-27	0	20	-20								Tipo di acciaio non contemplato
2	150	-2036	-593	5	0	-3	-112								Tipo di acciaio non contemplato
7	150	-1585	-450	5	0	-4	-87								Tipo di acciaio non contemplato
8	150	-1589	-451	3	0	-2	-88								Tipo di acciaio non contemplato

ASTA NUM. 100 NI 835 NF 845 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-558	74	10	0	8	-21	Tipo di acciaio non contemplato
1B	0	-558	108	10	0	8	-26	Tipo di acciaio non contemplato
1C	0	-558	74	-10	0	-8	-21	Tipo di acciaio non contemplato
1D	0	-558	108	-10	0	-8	-26	Tipo di acciaio non contemplato
1E	0	-277	74	10	0	8	-21	Tipo di acciaio non contemplato
1F	0	-277	108	10	0	8	-26	Tipo di acciaio non contemplato
1G	0	-277	74	-10	0	-8	-21	Tipo di acciaio non contemplato
1H	0	-277	108	-10	0	-8	-26	Tipo di acciaio non contemplato
1I	0	-477	83	26	0	20	-21	Tipo di acciaio non contemplato
1J	0	-477	98	26	0	20	-26	Tipo di acciaio non contemplato
1K	0	-477	83	-26	0	-20	-21	Tipo di acciaio non contemplato
1L	0	-477	98	-26	0	-20	-26	Tipo di acciaio non contemplato
1M	0	-359	83	26	0	20	-21	Tipo di acciaio non contemplato
1N	0	-359	98	26	0	20	-26	Tipo di acciaio non contemplato
1O	0	-359	83	-26	0	-20	-21	Tipo di acciaio non contemplato
1P	0	-359	98	-26	0	-20	-26	Tipo di acciaio non contemplato
2	0	-2020	576	6	0	5	-112	Tipo di acciaio non contemplato
7	0	-1572	438	7	0	5	-87	Tipo di acciaio non contemplato
8	0	-1577	439	4	0	3	-88	Tipo di acciaio non contemplato
1A	75	-558	12	10	0	0	10	Tipo di acciaio non contemplato
1B	75	-558	46	10	0	0	33	Tipo di acciaio non contemplato
1C	75	-558	12	-10	0	0	10	Tipo di acciaio non contemplato
1D	75	-558	46	-10	0	0	33	Tipo di acciaio non contemplato
1E	75	-277	12	10	0	0	10	Tipo di acciaio non contemplato
1F	75	-277	46	10	0	0	33	Tipo di acciaio non contemplato
1G	75	-277	12	-10	0	0	10	Tipo di acciaio non contemplato
1H	75	-277	46	-10	0	0	33	Tipo di acciaio non contemplato
1I	75	-477	22	26	0	0	18	Tipo di acciaio non contemplato
1J	75	-477	37	26	0	0	25	Tipo di acciaio non contemplato
1K	75	-477	22	-26	0	0	18	Tipo di acciaio non contemplato
1L	75	-477	37	-26	0	0	25	Tipo di acciaio non contemplato
1M	75	-359	22	26	0	0	18	Tipo di acciaio non contemplato
1N	75	-359	37	26	0	0	25	Tipo di acciaio non contemplato
1O	75	-359	22	-26	0	0	18	Tipo di acciaio non contemplato
1P	75	-359	37	-26	0	0	25	Tipo di acciaio non contemplato
2	75	-2020	134	6	0	0	154	Tipo di acciaio non contemplato
7	75	-1572	104	7	0	0	116	Tipo di acciaio non contemplato
8	75	-1577	105	4	0	0	116	Tipo di acciaio non contemplato
1A	150	-558	-49	10	0	-8	-4	Tipo di acciaio non contemplato
1B	150	-558	-15	10	0	-8	45	Tipo di acciaio non contemplato
1C	150	-558	-49	-10	0	8	-4	Tipo di acciaio non contemplato
1D	150	-558	-15	-10	0	8	45	Tipo di acciaio non contemplato
1E	150	-277	-49	10	0	-8	-4	Tipo di acciaio non contemplato
1F	150	-277	-15	10	0	-8	45	Tipo di acciaio non contemplato
1G	150	-277	-49	-10	0	8	-4	Tipo di acciaio non contemplato
1H	150	-277	-15	-10	0	8	45	Tipo di acciaio non contemplato
1I	150	-477	-40	26	0	-20	11	Tipo di acciaio non contemplato
1J	150	-477	-25	26	0	-20	30	Tipo di acciaio non contemplato
1K	150	-477	-40	-26	0	20	11	Tipo di acciaio non contemplato
1L	150	-477	-25	-26	0	20	30	Tipo di acciaio non contemplato
1M	150	-359	-40	26	0	-20	11	Tipo di acciaio non contemplato
1N	150	-359	-25	26	0	-20	30	Tipo di acciaio non contemplato
1O	150	-359	-40	-26	0	20	11	Tipo di acciaio non contemplato
1P	150	-359	-25	-26	0	20	30	Tipo di acciaio non contemplato
2	150	-2020	-309	6	0	-5	88	Tipo di acciaio non contemplato
7	150	-1572	-230	7	0	-5	69	Tipo di acciaio non contemplato
8	150	-1577	-229	4	0	-3	70	Tipo di acciaio non contemplato

ASTA NUM. 101 NI 845 NF 855 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-456	23	1	0	0	45								Tipo di acciaio non contemplato
1B	0	-456	73	1	0	0	-3								Tipo di acciaio non contemplato
1C	0	-456	23	-1	0	0	45								Tipo di acciaio non contemplato
1D	0	-456	73	-1	0	0	-3								Tipo di acciaio non contemplato
1E	0	90	23	1	0	0	45								Tipo di acciaio non contemplato
1F	0	90	73	1	0	0	-3								Tipo di acciaio non contemplato
1G	0	90	23	-1	0	0	45								Tipo di acciaio non contemplato
1H	0	90	73	-1	0	0	-3								Tipo di acciaio non contemplato
1I	0	-277	38	1	0	0	30								Tipo di acciaio non contemplato
1J	0	-277	58	1	0	0	12								Tipo di acciaio non contemplato
1K	0	-277	38	-1	0	0	30								Tipo di acciaio non contemplato
1L	0	-277	58	-1	0	0	12								Tipo di acciaio non contemplato
1M	0	-89	38	1	0	0	30								Tipo di acciaio non contemplato
1N	0	-89	58	1	0	0	12								Tipo di acciaio non contemplato
1O	0	-89	38	-1	0	0	30								Tipo di acciaio non contemplato
1P	0	-89	58	-1	0	0	12								Tipo di acciaio non contemplato
2	0	-897	381	-0	0	0	88								Tipo di acciaio non contemplato
7	0	-700	287	-0	0	0	69								Tipo di acciaio non contemplato
8	0	-700	286	-0	0	0	70								Tipo di acciaio non contemplato
1A	75	-456	-38	1	0	0	39								Tipo di acciaio non contemplato
1B	75	-456	11	1	0	0	29								Tipo di acciaio non contemplato
1C	75	-456	-38	-1	0	0	39								Tipo di acciaio non contemplato
1D	75	-456	11	-1	0	0	29								Tipo di acciaio non contemplato
1E	75	90	-38	1	0	0	39								Tipo di acciaio non contemplato
1F	75	90	11	1	0	0	29								Tipo di acciaio non contemplato

1G	75	90	-38	-1	0	0	39	Tipo di acciaio non contemplato
1H	75	90	11	-1	0	0	29	Tipo di acciaio non contemplato
1I	75	-277	-23	1	0	0	35	Tipo di acciaio non contemplato
1J	75	-277	-4	1	0	0	32	Tipo di acciaio non contemplato
1K	75	-277	-23	-1	0	0	35	Tipo di acciaio non contemplato
1L	75	-277	-4	-1	0	0	32	Tipo di acciaio non contemplato
1M	75	-89	-23	1	0	0	35	Tipo di acciaio non contemplato
1N	75	-89	-4	1	0	0	32	Tipo di acciaio non contemplato
1O	75	-89	-23	-1	0	0	35	Tipo di acciaio non contemplato
1P	75	-89	-4	-1	0	0	32	Tipo di acciaio non contemplato
2	75	-897	-61	-0	0	0	208	Tipo di acciaio non contemplato
7	75	-700	-47	-0	0	0	159	Tipo di acciaio non contemplato
8	75	-700	-48	-0	0	0	159	Tipo di acciaio non contemplato
1A	150	-456	-100	1	0	0	-13	Tipo di acciaio non contemplato
1B	150	-456	-50	1	0	0	14	Tipo di acciaio non contemplato
1C	150	-456	-100	-1	0	0	-13	Tipo di acciaio non contemplato
1D	150	-456	-50	-1	0	0	14	Tipo di acciaio non contemplato
1E	150	90	-100	1	0	0	-13	Tipo di acciaio non contemplato
1F	150	90	-50	1	0	0	14	Tipo di acciaio non contemplato
1G	150	90	-100	-1	0	0	-13	Tipo di acciaio non contemplato
1H	150	90	-50	-1	0	0	14	Tipo di acciaio non contemplato
1I	150	-277	-85	1	0	0	-5	Tipo di acciaio non contemplato
1J	150	-277	-65	1	0	0	6	Tipo di acciaio non contemplato
1K	150	-277	-85	-1	0	0	-5	Tipo di acciaio non contemplato
1L	150	-277	-65	-1	0	0	6	Tipo di acciaio non contemplato
1M	150	-89	-85	1	0	0	-5	Tipo di acciaio non contemplato
1N	150	-89	-65	1	0	0	6	Tipo di acciaio non contemplato
1O	150	-89	-85	-1	0	0	-5	Tipo di acciaio non contemplato
1P	150	-89	-65	-1	0	0	6	Tipo di acciaio non contemplato
2	150	-897	-504	-0	0	0	-4	Tipo di acciaio non contemplato
7	150	-700	-381	-0	0	0	-2	Tipo di acciaio non contemplato
8	150	-700	-382	-0	0	0	-2	Tipo di acciaio non contemplato

ASTA NUM. 102 NI 855 NF 739 Lungh. 150.0 cm SEZ. 5 Pf RETTANGOLARI 100x 60x 3.0

categoria: p.p. y Permanente Neve qy tot.
qy medio: 0.0701 0.7500 3.2250 4.0451 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-482	21	6	0	4	16								Tipo di acciaio non contemplato
1B	0	-482	52	6	0	4	-13								Tipo di acciaio non contemplato
1C	0	-482	21	-6	0	-4	16								Tipo di acciaio non contemplato
1D	0	-482	52	-6	0	-4	-13								Tipo di acciaio non contemplato
1E	0	486	21	6	0	4	16								Tipo di acciaio non contemplato
1F	0	486	52	6	0	4	-13								Tipo di acciaio non contemplato
1G	0	486	21	-6	0	-4	16								Tipo di acciaio non contemplato
1H	0	486	52	-6	0	-4	-13								Tipo di acciaio non contemplato
1I	0	-157	30	15	0	11	7								Tipo di acciaio non contemplato
1J	0	-157	43	15	0	11	-3								Tipo di acciaio non contemplato
1K	0	-157	30	-15	0	-11	7								Tipo di acciaio non contemplato
1L	0	-157	43	-15	0	-11	-3								Tipo di acciaio non contemplato
1M	0	162	30	15	0	11	7								Tipo di acciaio non contemplato
1N	0	162	43	15	0	11	-3								Tipo di acciaio non contemplato
1O	0	162	30	-15	0	-11	7								Tipo di acciaio non contemplato
1P	0	162	43	-15	0	-11	-3								Tipo di acciaio non contemplato
2	0	6	321	5	0	3	4								Tipo di acciaio non contemplato
7	0	5	238	5	0	4	4								Tipo di acciaio non contemplato
8	0	5	239	3	0	2	4								Tipo di acciaio non contemplato
1A	75	-482	-41	6	0	0	8								Tipo di acciaio non contemplato
1B	75	-482	-9	6	0	0	4								Tipo di acciaio non contemplato
1C	75	-482	-41	-6	0	0	8								Tipo di acciaio non contemplato
1D	75	-482	-9	-6	0	0	4								Tipo di acciaio non contemplato
1E	75	486	-41	6	0	0	8								Tipo di acciaio non contemplato
1F	75	486	-9	6	0	0	4								Tipo di acciaio non contemplato
1G	75	486	-41	-6	0	0	8								Tipo di acciaio non contemplato
1H	75	486	-9	-6	0	0	4								Tipo di acciaio non contemplato
1I	75	-157	-31	15	0	0	7								Tipo di acciaio non contemplato
1J	75	-157	-19	15	0	0	6								Tipo di acciaio non contemplato
1K	75	-157	-31	-15	0	0	7								Tipo di acciaio non contemplato
1L	75	-157	-19	-15	0	0	6								Tipo di acciaio non contemplato
1M	75	162	-31	15	0	0	7								Tipo di acciaio non contemplato
1N	75	162	-19	15	0	0	6								Tipo di acciaio non contemplato
1O	75	162	-31	-15	0	0	7								Tipo di acciaio non contemplato
1P	75	162	-19	-15	0	0	6								Tipo di acciaio non contemplato
2	75	6	-122	5	0	0	79								Tipo di acciaio non contemplato
7	75	5	-96	5	0	0	57								Tipo di acciaio non contemplato
8	75	5	-95	3	0	0	57								Tipo di acciaio non contemplato
1A	150	-482	-102	6	0	-4	-46								Tipo di acciaio non contemplato
1B	150	-482	-71	6	0	-4	-26								Tipo di acciaio non contemplato
1C	150	-482	-102	-6	0	4	-46								Tipo di acciaio non contemplato
1D	150	-482	-71	-6	0	4	-26								Tipo di acciaio non contemplato
1E	150	486	-102	6	0	-4	-46								Tipo di acciaio non contemplato
1F	150	486	-71	6	0	-4	-26								Tipo di acciaio non contemplato
1G	150	486	-102	-6	0	4	-46								Tipo di acciaio non contemplato
1H	150	486	-71	-6	0	4	-26								Tipo di acciaio non contemplato
1I	150	-157	-93	15	0	-11	-40								Tipo di acciaio non contemplato
1J	150	-157	-80	15	0	-11	-31								Tipo di acciaio non contemplato
1K	150	-157	-93	-15	0	11	-40								Tipo di acciaio non contemplato
1L	150	-157	-80	-15	0	11	-31								Tipo di acciaio non contemplato
1M	150	162	-93	15	0	-11	-40								Tipo di acciaio non contemplato

1N	150	162	-80	15	0	-11	-31	Tipo di acciaio non contemplato
1O	150	162	-93	-15	0	11	-40	Tipo di acciaio non contemplato
1P	150	162	-80	-15	0	11	-31	Tipo di acciaio non contemplato
2	150	6	-565	5	0	-4	-179	Tipo di acciaio non contemplato
7	150	5	-430	5	0	-4	-140	Tipo di acciaio non contemplato
8	150	5	-429	3	0	-3	-139	Tipo di acciaio non contemplato

AMV s.r.l.
Via San Lorenzo, 106 Tel. 0481/779903
34077 Ronchi dei Legionari (GO)

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **8** Descrizione: **Reticolare Fronte**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 958 NF 959 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4281	549	93	0	136	-30	79.6	109.6	46.5	0.0	189.2	1	
1B	0	-4281	580	93	0	136	-116	79.6	131.7	49.2	0.0	211.3	1	
1C	0	-4281	549	-27	0	-16	-30	79.6	19.9	46.5	0.0	113.5	4	
1D	0	-4281	580	-27	0	-16	-116	79.6	42.0	49.2	0.0	130.7	3	
1E	0	9901	549	93	0	136	-30	184.0	109.6	46.5	0.0	293.6	1	
1F	0	9901	580	93	0	136	-116	184.0	131.7	49.2	0.0	315.7	1	
1G	0	9901	549	-27	0	-16	-30	184.0	19.9	46.5	0.0	204.3	3	
1H	0	9901	580	-27	0	-16	-116	184.0	42.0	49.2	0.0	226.0	1	
1I	0	-2444	516	160	0	197	-18	45.4	152.1	43.7	0.0	197.5	1	
1J	0	-2444	613	160	0	197	-129	45.4	180.8	52.0	0.0	226.2	1	
1K	0	-2444	516	-93	0	-77	-18	45.4	62.4	43.7	0.0	107.8	1	
1L	0	-2444	613	-93	0	-77	-129	45.4	91.0	52.0	0.0	136.5	1	
1M	0	8064	516	160	0	197	-18	149.9	152.1	43.7	0.0	302.0	1	
1N	0	8064	613	160	0	197	-129	149.9	180.8	52.0	0.0	330.6	1	
1O	0	8064	516	-93	0	-77	-18	149.9	62.4	43.7	0.0	212.3	1	
1P	0	8064	613	-93	0	-77	-129	149.9	91.0	52.0	0.0	240.9	1	
2	0	3020	734	64	0	114	-97	56.1	110.1	62.2	0.0	166.2	1	
7	0	3057	733	61	0	108	-95	56.8	105.5	62.1	0.0	162.4	1	
8	0	3245	734	58	0	102	-97	60.3	101.3	62.2	0.0	161.6	1	
1A	100	-4281	-2	93	0	40	260	79.6	97.0	3.5	0.0	176.5	1	
1B	100	-4281	30	93	0	40	172	79.6	74.1	3.5	0.0	153.7	1	
1C	100	-4281	-2	-27	0	13	260	79.6	76.9	1.0	0.0	156.5	1	
1D	100	-4281	30	-27	0	13	172	79.6	54.1	2.6	0.0	133.6	1	
1E	100	9901	-2	93	0	40	260	184.0	97.0	3.5	0.0	281.0	1	
1F	100	9901	30	93	0	40	172	184.0	74.1	3.5	0.0	258.1	1	
1G	100	9901	-2	-27	0	13	260	184.0	76.9	1.0	0.0	260.9	1	
1H	100	9901	30	-27	0	13	172	184.0	54.1	2.6	0.0	238.1	1	
1I	100	-2444	-35	160	0	34	211	45.4	79.5	6.0	0.0	124.9	1	
1J	100	-2444	63	160	0	34	221	45.4	82.2	6.0	0.0	127.6	1	
1K	100	-2444	-35	-93	0	20	211	45.4	68.8	3.5	0.0	114.2	1	
1L	100	-2444	63	-93	0	20	221	45.4	71.6	5.4	0.0	117.0	1	
1M	100	8064	-35	160	0	34	211	149.9	79.5	6.0	0.0	229.3	1	
1N	100	8064	63	160	0	34	221	149.9	82.2	6.0	0.0	232.1	1	
1O	100	8064	-35	-93	0	20	211	149.9	68.8	3.5	0.0	218.7	1	
1P	100	8064	63	-93	0	20	221	149.9	71.6	5.4	0.0	221.5	1	
2	100	3020	19	64	0	49	279	56.1	108.8	2.4	0.0	164.9	1	
7	100	3057	18	61	0	48	280	56.8	107.8	2.3	0.0	164.6	1	
8	100	3245	19	58	0	45	279	60.3	105.2	2.2	0.0	165.5	1	
1A	200	-4281	-552	93	0	-56	1	79.6	42.1	46.8	0.0	121.7	1	
1B	200	-4281	-520	93	0	-56	-91	79.6	65.2	44.1	0.0	144.8	1	
1C	200	-4281	-552	-27	0	43	1	79.6	32.1	46.8	0.0	114.3	4	
1D	200	-4281	-520	-27	0	43	-91	79.6	55.2	44.1	0.0	134.8	1	
1E	200	9901	-552	93	0	-56	1	184.0	42.1	46.8	0.0	226.1	1	
1F	200	9901	-520	93	0	-56	-91	184.0	65.2	44.1	0.0	249.2	1	
1G	200	9901	-552	-27	0	43	1	184.0	32.1	46.8	0.0	216.2	1	
1H	200	9901	-520	-27	0	43	-91	184.0	55.2	44.1	0.0	239.3	1	
1I	200	-2444	-585	160	0	-130	-111	45.4	125.7	49.6	0.0	171.1	1	
1J	200	-2444	-487	160	0	-130	22	45.4	102.6	41.3	0.0	148.0	1	
1K	200	-2444	-585	-93	0	116	-111	45.4	115.7	49.6	0.0	161.1	1	
1L	200	-2444	-487	-93	0	116	22	45.4	92.6	41.3	0.0	138.0	1	
1M	200	8064	-585	160	0	-130	-111	149.9	125.7	49.6	0.0	275.6	1	
1N	200	8064	-487	160	0	-130	22	149.9	102.6	41.3	0.0	252.5	1	
1O	200	8064	-585	-93	0	116	-111	149.9	115.7	49.6	0.0	265.6	1	
1P	200	8064	-487	-93	0	116	22	149.9	92.6	41.3	0.0	242.5	1	
2	200	3020	-697	64	0	-15	-60	56.1	26.5	59.1	0.0	116.9	4	
7	200	3057	-698	61	0	-13	-60	56.8	25.0	59.2	0.0	117.3	4	
8	200	3245	-697	58	0	-13	-60	60.3	25.1	59.1	0.0	118.9	4	

ASTA NUM. 2 NI 959 NF 960 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	3153	577	81	0	39	-0	58.6	29.3	48.9	0.0	103.6	4
1B	0	3153	594	81	0	39	-94	58.6	53.6	50.4	0.0	112.3	3
1C	0	3153	577	31	0	-36	-0	58.6	27.2	48.9	0.0	103.5	4
1D	0	3153	594	31	0	-36	-94	58.6	51.5	50.4	0.0	112.1	3
1E	0	19827	577	81	0	39	-0	368.5	29.3	48.9	0.0	397.8	1
1F	0	19827	594	81	0	39	-94	368.5	53.6	50.4	0.0	422.1	1
1G	0	19827	577	31	0	-36	-0	368.5	27.2	48.9	0.0	395.8	1
1H	0	19827	594	31	0	-36	-94	368.5	51.5	50.4	0.0	420.0	1
1I	0	-7446	569	114	0	94	22	138.4	75.9	48.3	0.0	214.3	1
1J	0	-7446	602	114	0	94	-117	138.4	100.2	51.1	0.0	238.6	1
1K	0	-7446	569	-2	0	-91	22	138.4	73.8	48.3	0.0	212.2	1
1L	0	-7446	602	-2	0	-91	-117	138.4	98.2	51.1	0.0	236.6	1
1M	0	30426	569	114	0	94	22	565.5	75.9	48.3	0.0	641.4	1
1N	0	30426	602	114	0	94	-117	565.5	100.2	51.1	0.0	665.8	1
1O	0	30426	569	-2	0	-91	22	565.5	73.8	48.3	0.0	639.4	1
1P	0	30426	602	-2	0	-91	-117	565.5	98.2	51.1	0.0	663.7	1
2	0	14210	761	67	0	-4	-64	264.1	19.2	64.5	0.0	295.9	3
7	0	14300	761	68	0	-2	-63	265.8	17.8	64.6	0.0	297.4	3
8	0	14460	761	69	0	-2	-63	268.8	17.9	64.5	0.0	300.1	3
1A	100	3153	27	81	0	-1	310	58.6	80.6	3.1	0.0	139.2	1
1B	100	3153	44	81	0	-1	216	58.6	56.3	3.7	0.0	114.9	1
1C	100	3153	27	31	0	-108	310	58.6	160.9	2.3	0.0	219.5	1
1D	100	3153	44	31	0	-108	216	58.6	136.6	3.7	0.0	195.2	1
1E	100	19827	27	81	0	-1	310	368.5	80.6	3.1	0.0	449.1	1
1F	100	19827	44	81	0	-1	216	368.5	56.3	3.7	0.0	424.8	1
1G	100	19827	27	31	0	-108	310	368.5	160.9	2.3	0.0	529.5	1
1H	100	19827	44	31	0	-108	216	368.5	136.6	3.7	0.0	505.2	1
1I	100	-7446	19	114	0	89	345	138.4	155.2	4.3	0.0	293.6	1
1J	100	-7446	52	114	0	89	182	138.4	113.4	4.4	0.0	251.8	1
1K	100	-7446	19	-2	0	-198	345	138.4	237.0	1.6	0.0	375.4	1
1L	100	-7446	52	-2	0	-198	182	138.4	195.2	4.4	0.0	333.6	1
1M	100	30426	19	114	0	89	345	565.5	155.2	4.3	0.0	720.8	1
1N	100	30426	52	114	0	89	182	565.5	113.4	4.4	0.0	679.0	1
1O	100	30426	19	-2	0	-198	345	565.5	237.0	1.6	0.0	802.5	1
1P	100	30426	52	-2	0	-198	182	565.5	195.2	4.4	0.0	760.7	1
2	100	14210	45	67	0	-71	339	264.1	140.2	3.9	0.0	404.4	1
7	100	14300	46	68	0	-70	340	265.8	140.3	3.9	0.0	406.1	1
8	100	14460	46	69	0	-71	340	268.8	140.6	3.9	0.0	409.4	1
1A	200	3153	-523	81	0	-41	71	58.6	48.9	44.4	0.0	107.5	1
1B	200	3153	-506	81	0	-41	-24	58.6	36.8	42.9	0.0	95.4	1
1C	200	3153	-523	31	0	-180	71	58.6	153.1	44.4	0.0	211.7	1
1D	200	3153	-506	31	0	-180	-24	58.6	141.0	42.9	0.0	199.6	1
1E	200	19827	-523	81	0	-41	71	368.5	48.9	44.4	0.0	417.4	1
1F	200	19827	-506	81	0	-41	-24	368.5	36.8	42.9	0.0	405.3	1
1G	200	19827	-523	31	0	-180	71	368.5	153.1	44.4	0.0	521.6	1
1H	200	19827	-506	31	0	-180	-24	368.5	141.0	42.9	0.0	509.5	1
1I	200	-7446	-531	114	0	84	116	138.4	93.0	45.1	0.0	231.4	1
1J	200	-7446	-498	114	0	84	-69	138.4	80.9	42.2	0.0	219.3	1
1K	200	-7446	-531	-2	0	-305	116	138.4	258.6	45.1	0.0	397.0	1
1L	200	-7446	-498	-2	0	-305	-69	138.4	246.4	42.2	0.0	384.8	1
1M	200	30426	-531	114	0	84	116	565.5	93.0	45.1	0.0	658.5	1
1N	200	30426	-498	114	0	84	-69	565.5	80.9	42.2	0.0	646.4	1
1O	200	30426	-531	-2	0	-305	116	565.5	258.6	45.1	0.0	824.1	1
1P	200	30426	-498	-2	0	-305	-69	565.5	246.4	42.2	0.0	812.0	1
2	200	14210	-670	67	0	-138	27	264.1	110.0	56.8	0.0	374.1	1
7	200	14300	-669	68	0	-139	29	265.8	111.3	56.7	0.0	377.1	1
8	200	14460	-670	69	0	-140	28	268.8	111.7	56.8	0.0	380.5	1

ASTA NUM. 3 NI 960 NF 961 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	7865	548	-51	0	-41	69	146.2	48.3	46.5	0.0	194.5	1	
1B	0	7865	581	-51	0	-41	-26	146.2	37.2	49.3	0.0	183.4	1	
1C	0	7865	548	-85	0	-173	69	146.2	147.4	46.5	0.0	293.6	1	
1D	0	7865	581	-85	0	-173	-26	146.2	136.3	49.3	0.0	282.5	1	
1E	0	21495	548	-51	0	-41	69	399.5	48.3	46.5	0.0	447.8	1	
1F	0	21495	581	-51	0	-41	-26	399.5	37.2	49.3	0.0	436.8	1	
1G	0	21495	548	-85	0	-173	69	399.5	147.4	46.5	0.0	546.9	1	
1H	0	21495	581	-85	0	-173	-26	399.5	136.3	49.3	0.0	535.8	1	
1I	0	-3726	552	-32	0	74	114	69.3	84.6	46.8	0.0	153.9	1	
1J	0	-3726	578	-32	0	74	-71	69.3	73.6	49.0	0.0	142.8	1	
1K	0	-3726	552	-105	0	-288	114	69.3	244.7	46.8	0.0	313.9	1	
1L	0	-3726	578	-105	0	-288	-71	69.3	233.6	49.0	0.0	302.9	1	
1M	0	33086	552	-32	0	74	114	615.0	84.6	46.8	0.0	699.6	1	
1N	0	33086	578	-32	0	74	-71	615.0	73.6	49.0	0.0	688.6	1	
1O	0	33086	552	-105	0	-288	114	615.0	244.7	46.8	0.0	859.6	1	
1P	0	33086	578	-105	0	-288	-71	615.0	233.6	49.0	0.0	848.6	1	
2	0	18380	734	-86	0	-133	25	341.6	105.9	62.3	0.0	447.5	1	
7	0	18480	734	-87	0	-134	26	343.5	107.1	62.3	0.0	450.6	1	
8	0	18620	734	-86	0	-135	25	346.1	107.6	62.3	0.0	453.7	1	
1A	100	7865	-2	-51	0	14	353	146.2	101.3	1.9	0.0	247.5	1	
1B	100	7865	31	-51	0	14	269	146.2	79.7	2.6	0.0	225.9	1	
1C	100	7865	-2	-85	0	-92	353	146.2	159.4	3.2	0.0	305.6	1	
1D	100	7865	31	-85	0	-92	269	146.2	137.8	3.2	0.0	283.9	1	
1E	100	21495	-2	-51	0	14	353	399.5	101.3	1.9	0.0	500.8	1	
1F	100	21495	31	-51	0	14	269	399.5	79.7	2.6	0.0	479.2	1	

1G	100	21495	-2	-85	0	-92	353	399.5	159.4	3.2	0.0	558.9	1
1H	100	21495	31	-85	0	-92	269	399.5	137.8	3.2	0.0	537.3	1
1I	100	-3726	2	-32	0	112	409	69.3	189.2	1.2	0.0	258.5	1
1J	100	-3726	27	-32	0	112	214	69.3	139.1	2.3	0.0	208.4	1
1K	100	-3726	2	-105	0	-190	409	69.3	247.3	3.9	0.0	316.6	1
1L	100	-3726	27	-105	0	-190	214	69.3	197.2	3.9	0.0	266.4	1
1M	100	33086	2	-32	0	112	409	615.0	189.2	1.2	0.0	804.2	1
1N	100	33086	27	-32	0	112	214	615.0	139.1	2.3	0.0	754.1	1
1O	100	33086	2	-105	0	-190	409	615.0	247.3	3.9	0.0	862.3	1
1P	100	33086	27	-105	0	-190	214	615.0	197.2	3.9	0.0	812.2	1
2	100	18380	19	-86	0	-47	401	341.6	138.8	3.2	0.0	480.4	1
7	100	18480	19	-87	0	-47	403	343.5	139.3	3.2	0.0	482.8	1
8	100	18620	19	-86	0	-49	402	346.1	139.8	3.2	0.0	485.9	1
1A	200	7865	-552	-51	0	69	87	146.2	73.6	46.8	0.0	219.8	1
1B	200	7865	-519	-51	0	69	14	146.2	55.0	44.0	0.0	201.2	1
1C	200	7865	-552	-85	0	-10	87	146.2	29.8	46.8	0.0	181.3	3
1D	200	7865	-519	-85	0	-10	14	146.2	11.1	44.0	0.0	165.1	4
1E	200	21495	-552	-51	0	69	87	399.5	73.6	46.8	0.0	473.2	1
1F	200	21495	-519	-51	0	69	14	399.5	55.0	44.0	0.0	454.5	1
1G	200	21495	-552	-85	0	-10	87	399.5	29.8	46.8	0.0	429.3	1
1H	200	21495	-519	-85	0	-10	14	399.5	11.1	44.0	0.0	410.7	1
1I	200	-3726	-549	-32	0	151	153	69.3	152.3	46.5	0.0	221.5	1
1J	200	-3726	-523	-32	0	151	-52	69.3	126.3	44.3	0.0	195.6	1
1K	200	-3726	-549	-105	0	-92	153	69.3	108.4	46.5	0.0	177.7	1
1L	200	-3726	-523	-105	0	-92	-52	69.3	82.4	44.3	0.0	151.7	1
1M	200	33086	-549	-32	0	151	153	615.0	152.3	46.5	0.0	767.3	1
1N	200	33086	-523	-32	0	151	-52	615.0	126.3	44.3	0.0	741.3	1
1O	200	33086	-549	-105	0	-92	153	615.0	108.4	46.5	0.0	723.4	1
1P	200	33086	-523	-105	0	-92	-52	615.0	82.4	44.3	0.0	697.4	1
2	200	18380	-696	-86	0	38	63	341.6	44.7	59.0	0.0	386.4	1
7	200	18480	-696	-87	0	39	65	343.5	45.8	59.0	0.0	389.3	1
8	200	18620	-696	-86	0	38	64	346.1	44.7	59.0	0.0	390.8	1

ASTA NUM. 4 NI 961 NF 962 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	8135	548	94	0	65	85	151.2	70.8	46.5	0.0	222.0	1	
1B	0	8135	556	94	0	65	14	151.2	52.5	47.1	0.0	203.7	1	
1C	0	8135	548	53	0	-10	85	151.2	29.3	46.5	0.0	185.2	3	
1D	0	8135	556	53	0	-10	14	151.2	11.1	47.1	0.0	172.0	4	
1E	0	22845	548	94	0	65	85	424.6	70.8	46.5	0.0	495.4	1	
1F	0	22845	556	94	0	65	14	424.6	52.5	47.1	0.0	477.1	1	
1G	0	22845	548	53	0	-10	85	424.6	29.3	46.5	0.0	453.9	1	
1H	0	22845	556	53	0	-10	14	424.6	11.1	47.1	0.0	435.7	1	
1I	0	-4953	541	120	0	145	151	92.1	147.2	45.9	0.0	239.2	1	
1J	0	-4953	562	120	0	145	-53	92.1	121.8	47.7	0.0	213.9	1	
1K	0	-4953	541	27	0	-89	151	92.1	105.7	45.9	0.0	197.8	1	
1L	0	-4953	562	27	0	-89	-53	92.1	80.4	47.7	0.0	172.5	1	
1M	0	35933	541	120	0	145	151	667.9	147.2	45.9	0.0	815.1	1	
1N	0	35933	562	120	0	145	-53	667.9	121.8	47.7	0.0	789.7	1	
1O	0	35933	541	27	0	-89	151	667.9	105.7	45.9	0.0	773.6	1	
1P	0	35933	562	27	0	-89	-53	667.9	80.4	47.7	0.0	748.3	1	
2	0	19410	717	92	0	36	61	360.8	42.6	60.8	0.0	403.4	1	
7	0	19520	717	93	0	37	63	362.8	43.7	60.8	0.0	406.5	1	
8	0	19650	717	93	0	36	62	365.2	42.6	60.8	0.0	407.8	1	
1A	100	8135	-2	94	0	9	364	151.2	100.6	3.5	0.0	251.8	1	
1B	100	8135	6	94	0	9	288	151.2	81.0	3.5	0.0	232.2	1	
1C	100	8135	-2	53	0	-100	364	151.2	168.9	2.0	0.0	320.1	1	
1D	100	8135	6	53	0	-100	288	151.2	149.3	2.0	0.0	300.5	1	
1E	100	22845	-2	94	0	9	364	424.6	100.6	3.5	0.0	525.2	1	
1F	100	22845	6	94	0	9	288	424.6	81.0	3.5	0.0	505.6	1	
1G	100	22845	-2	53	0	-100	364	424.6	168.9	2.0	0.0	593.5	1	
1H	100	22845	6	53	0	-100	288	424.6	149.3	2.0	0.0	573.9	1	
1I	100	-4953	-9	120	0	112	434	92.1	195.5	4.5	0.0	287.5	1	
1J	100	-4953	12	120	0	112	217	92.1	139.6	4.5	0.0	231.7	1	
1K	100	-4953	-9	27	0	-203	434	92.1	263.8	1.0	0.0	355.8	1	
1L	100	-4953	12	27	0	-203	217	92.1	207.9	1.0	0.0	299.9	1	
1M	100	35933	-9	120	0	112	434	667.9	195.5	4.5	0.0	863.4	1	
1N	100	35933	12	120	0	112	217	667.9	139.6	4.5	0.0	807.5	1	
1O	100	35933	-9	27	0	-203	434	667.9	263.8	1.0	0.0	931.7	1	
1P	100	35933	12	27	0	-203	217	667.9	207.9	1.0	0.0	875.8	1	
2	100	19410	1	92	0	-56	420	360.8	150.2	3.5	0.0	511.0	1	
7	100	19520	2	93	0	-56	422	362.8	150.7	3.5	0.0	513.6	1	
8	100	19650	2	93	0	-57	421	365.2	151.3	3.5	0.0	516.5	1	
1A	200	8135	-553	94	0	-47	93	151.2	59.0	46.9	0.0	210.2	1	
1B	200	8135	-545	94	0	-47	12	151.2	38.1	46.2	0.0	189.3	1	
1C	200	8135	-553	53	0	-191	93	151.2	166.8	46.9	0.0	318.0	1	
1D	200	8135	-545	53	0	-191	12	151.2	145.9	46.2	0.0	297.1	1	
1E	200	22845	-553	94	0	-47	93	424.6	59.0	46.9	0.0	483.7	1	
1F	200	22845	-545	94	0	-47	12	424.6	38.1	46.2	0.0	462.7	1	
1G	200	22845	-553	53	0	-191	93	424.6	166.8	46.9	0.0	591.4	1	
1H	200	22845	-545	53	0	-191	12	424.6	145.9	46.2	0.0	570.5	1	
1I	200	-4953	-559	120	0	79	168	92.1	102.2	47.4	0.0	194.3	1	
1J	200	-4953	-538	120	0	79	-63	92.1	75.3	45.6	0.0	167.4	1	
1K	200	-4953	-559	27	0	-317	168	92.1	280.2	47.4	0.0	372.3	1	
1L	200	-4953	-538	27	0	-317	-63	92.1	253.3	45.6	0.0	345.4	1	
1M	200	35933	-559	120	0	79	168	667.9	102.2	47.4	0.0	770.1	1	

1N	200	35933	-538	120	0	79	-63	667.9	75.3	45.6	0.0	743.2	1
1O	200	35933	-559	27	0	-317	168	667.9	280.2	47.4	0.0	948.1	1
1P	200	35933	-538	27	0	-317	-63	667.9	253.3	45.6	0.0	921.2	1
2	200	19410	-714	92	0	-148	64	360.8	127.4	60.5	0.0	488.2	1
7	200	19520	-714	93	0	-149	66	362.8	128.8	60.5	0.0	491.6	1
8	200	19650	-714	93	0	-150	65	365.2	129.2	60.5	0.0	494.5	1

ASTA NUM. 5 NI 962 NF 963 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	5211	439	-37	0	-46	93	96.9	58.2	37.3	0.0	155.1	1	
1B	0	5211	514	-37	0	-46	13	96.9	37.5	43.6	0.0	134.4	1	
1C	0	5211	439	-87	0	-192	93	96.9	168.0	37.3	0.0	264.9	1	
1D	0	5211	514	-87	0	-192	13	96.9	147.4	43.6	0.0	244.2	1	
1E	0	22809	439	-37	0	-46	93	424.0	58.2	37.3	0.0	482.2	1	
1F	0	22809	514	-37	0	-46	13	424.0	37.5	43.6	0.0	461.5	1	
1G	0	22809	439	-87	0	-192	93	424.0	168.0	37.3	0.0	592.0	1	
1H	0	22809	514	-87	0	-192	13	424.0	147.4	43.6	0.0	571.3	1	
1I	0	-6675	433	-11	0	86	169	124.1	107.6	36.8	0.0	231.6	1	
1J	0	-6675	520	-11	0	86	-62	124.1	80.1	44.1	0.0	204.2	1	
1K	0	-6675	433	-113	0	-324	169	124.1	285.7	36.8	0.0	409.8	1	
1L	0	-6675	520	-113	0	-324	-62	124.1	258.3	44.1	0.0	382.3	1	
1M	0	34695	433	-11	0	86	169	644.9	107.6	36.8	0.0	752.5	1	
1N	0	34695	520	-11	0	86	-62	644.9	80.1	44.1	0.0	725.0	1	
1O	0	34695	433	-113	0	-324	169	644.9	285.7	36.8	0.0	930.6	1	
1P	0	34695	520	-113	0	-324	-62	644.9	258.3	44.1	0.0	903.2	1	
2	0	17520	621	-75	0	-148	65	325.7	127.9	52.6	0.0	453.6	1	
7	0	17610	620	-76	0	-150	67	327.3	129.2	52.6	0.0	456.5	1	
8	0	17750	621	-76	0	-150	66	329.9	129.7	52.6	0.0	459.6	1	
1A	100	5211	-111	-37	0	2	239	96.9	62.8	9.4	0.0	159.7	1	
1B	100	5211	-36	-37	0	2	271	96.9	71.2	3.0	0.0	168.0	1	
1C	100	5211	-111	-87	0	-116	239	96.9	148.4	9.4	0.0	245.2	1	
1D	100	5211	-36	-87	0	-116	271	96.9	156.7	3.2	0.0	253.6	1	
1E	100	22809	-111	-37	0	2	239	424.0	62.8	9.4	0.0	486.8	1	
1F	100	22809	-36	-37	0	2	271	424.0	71.2	3.0	0.0	495.1	1	
1G	100	22809	-111	-87	0	-116	239	424.0	148.4	9.4	0.0	572.3	1	
1H	100	22809	-36	-87	0	-116	271	424.0	156.7	3.2	0.0	580.7	1	
1I	100	-6675	-117	-11	0	105	343	124.1	166.6	9.9	0.0	290.7	1	
1J	100	-6675	-30	-11	0	105	167	124.1	121.3	2.5	0.0	245.3	1	
1K	100	-6675	-117	-113	0	-219	343	124.1	252.2	9.9	0.0	376.3	1	
1L	100	-6675	-30	-113	0	-219	167	124.1	206.8	4.2	0.0	330.9	1	
1M	100	34695	-117	-11	0	105	343	644.9	166.6	9.9	0.0	811.5	1	
1N	100	34695	-30	-11	0	105	167	644.9	121.3	2.5	0.0	766.2	1	
1O	100	34695	-117	-113	0	-219	343	644.9	252.2	9.9	0.0	897.1	1	
1P	100	34695	-30	-113	0	-219	167	644.9	206.8	4.2	0.0	851.7	1	
2	100	17520	-94	-75	0	-74	329	325.7	139.7	8.0	0.0	465.3	1	
7	100	17610	-95	-76	0	-73	330	327.3	139.8	8.0	0.0	467.1	1	
8	100	17750	-95	-76	0	-74	329	329.9	140.1	8.0	0.0	470.0	1	
1A	200	5211	-661	-37	0	49	-166	96.9	79.6	56.1	0.0	176.5	1	
1B	200	5211	-586	-37	0	49	-21	96.9	42.2	49.7	0.0	139.1	1	
1C	200	5211	-661	-87	0	-40	-166	96.9	72.5	56.1	0.0	169.4	1	
1D	200	5211	-586	-87	0	-40	-21	96.9	35.2	49.7	0.0	132.0	1	
1E	200	22809	-661	-37	0	49	-166	424.0	79.6	56.1	0.0	503.6	1	
1F	200	22809	-586	-37	0	49	-21	424.0	42.2	49.7	0.0	466.2	1	
1G	200	22809	-661	-87	0	-40	-166	424.0	72.5	56.1	0.0	496.5	1	
1H	200	22809	-586	-87	0	-40	-21	424.0	35.2	49.7	0.0	459.1	1	
1I	200	-6675	-667	-11	0	124	-32	124.1	100.8	56.6	0.0	224.9	1	
1J	200	-6675	-580	-11	0	124	-154	124.1	132.2	49.2	0.0	256.3	1	
1K	200	-6675	-667	-113	0	-114	-32	124.1	93.8	56.6	0.0	217.8	1	
1L	200	-6675	-580	-113	0	-114	-154	124.1	125.2	49.2	0.0	249.2	1	
1M	200	34695	-667	-11	0	124	-32	644.9	100.8	56.6	0.0	745.7	1	
1N	200	34695	-580	-11	0	124	-154	644.9	132.2	49.2	0.0	777.1	1	
1O	200	34695	-667	-113	0	-114	-32	644.9	93.8	56.6	0.0	738.6	1	
1P	200	34695	-580	-113	0	-114	-154	644.9	125.2	49.2	0.0	770.0	1	
2	200	17520	-810	-75	0	1	-123	325.7	32.6	68.7	0.0	369.4	3	
7	200	17610	-810	-76	0	3	-123	327.3	33.7	68.7	0.0	370.9	3	
8	200	17750	-810	-76	0	3	-123	329.9	33.5	68.7	0.0	373.4	3	

ASTA NUM. 6 NI 963 NF 964 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1409	767	15	0	47	-25	26.2	41.5	65.0	0.0	115.9	4	
1B	0	-1409	992	15	0	47	-168	26.2	78.5	84.1	0.0	148.2	4	
1C	0	-1409	767	-37	0	-58	-25	26.2	49.7	65.0	0.0	116.0	4	
1D	0	-1409	992	-37	0	-58	-168	26.2	86.6	84.1	0.0	148.2	4	
1E	0	14947	767	15	0	47	-25	277.8	41.5	65.0	0.0	319.4	1	
1F	0	14947	992	15	0	47	-168	277.8	78.5	84.1	0.0	356.4	1	
1G	0	14947	767	-37	0	-58	-25	277.8	49.7	65.0	0.0	327.5	1	
1H	0	14947	992	-37	0	-58	-168	277.8	86.6	84.1	0.0	364.5	1	
1I	0	-2722	748	43	0	136	-39	50.6	111.6	63.4	0.0	162.2	1	

1J	0	-2722	1011	43	0	136	-154	50.6	141.4	85.7	0.0	192.0	1
1K	0	-2722	748	-65	0	-147	-39	50.6	119.8	63.4	0.0	170.4	1
1L	0	-2722	1011	-65	0	-147	-154	50.6	149.5	85.7	0.0	200.1	1
1M	0	16260	748	43	0	136	-39	302.2	111.6	63.4	0.0	413.9	1
1N	0	16260	1011	43	0	136	-154	302.2	141.4	85.7	0.0	443.7	1
1O	0	16260	748	-65	0	-147	-39	302.2	119.8	63.4	0.0	422.0	1
1P	0	16260	1011	-65	0	-147	-154	302.2	149.5	85.7	0.0	451.8	1
2	0	8072	1138	-31	0	-12	-127	150.0	42.1	96.5	0.0	232.7	3
7	0	8141	1141	-28	0	-11	-126	151.3	40.6	96.7	0.0	233.7	3
8	0	8322	1140	-26	0	-11	-127	154.7	40.9	96.7	0.0	236.3	3
1A	100	-1409	217	15	0	14	458	26.2	128.3	18.4	0.0	154.5	1
1B	100	-1409	441	15	0	14	558	26.2	154.0	37.4	0.0	180.2	1
1C	100	-1409	217	-37	0	-3	458	26.2	120.0	18.4	0.0	146.2	1
1D	100	-1409	441	-37	0	-3	558	26.2	145.7	37.4	0.0	171.9	1
1E	100	14947	217	15	0	14	458	277.8	128.3	18.4	0.0	406.1	1
1F	100	14947	441	15	0	14	558	277.8	154.0	37.4	0.0	431.8	1
1G	100	14947	217	-37	0	-3	458	277.8	120.0	18.4	0.0	397.8	1
1H	100	14947	441	-37	0	-3	558	277.8	145.7	37.4	0.0	423.6	1
1I	100	-2722	198	43	0	109	670	50.6	253.8	16.8	0.0	304.4	1
1J	100	-2722	460	43	0	109	345	50.6	170.0	39.0	0.0	220.6	1
1K	100	-2722	198	-65	0	-98	670	50.6	245.5	16.8	0.0	296.1	1
1L	100	-2722	460	-65	0	-98	345	50.6	161.7	39.0	0.0	212.3	1
1M	100	16260	198	43	0	109	670	302.2	253.8	16.8	0.0	556.0	1
1N	100	16260	460	43	0	109	345	302.2	170.0	39.0	0.0	472.2	1
1O	100	16260	198	-65	0	-98	670	302.2	245.5	16.8	0.0	547.8	1
1P	100	16260	460	-65	0	-98	345	302.2	161.7	39.0	0.0	464.0	1
2	100	8072	423	-31	0	18	653	150.0	181.9	35.9	0.0	331.9	1
7	100	8141	426	-28	0	17	657	151.3	181.9	36.1	0.0	333.2	1
8	100	8322	424	-26	0	15	655	154.7	179.5	36.0	0.0	334.2	1
1A	200	-1409	-334	15	0	-19	390	26.2	114.4	28.3	0.0	140.6	1
1B	200	-1409	-109	15	0	-19	733	26.2	202.8	9.2	0.0	229.0	1
1C	200	-1409	-334	-37	0	52	390	26.2	139.0	28.3	0.0	165.2	1
1D	200	-1409	-109	-37	0	52	733	26.2	227.5	9.2	0.0	253.7	1
1E	200	14947	-334	15	0	-19	390	277.8	114.4	28.3	0.0	392.2	1
1F	200	14947	-109	15	0	-19	733	277.8	202.8	9.2	0.0	480.7	1
1G	200	14947	-334	-37	0	52	390	277.8	139.0	28.3	0.0	416.9	1
1H	200	14947	-109	-37	0	52	733	277.8	227.5	9.2	0.0	505.3	1
1I	200	-2722	-353	43	0	81	829	50.6	274.2	29.9	0.0	324.8	1
1J	200	-2722	-90	43	0	81	294	50.6	136.4	7.6	0.0	187.0	1
1K	200	-2722	-353	-65	0	-48	829	50.6	249.6	29.9	0.0	300.2	1
1L	200	-2722	-90	-65	0	-48	294	50.6	111.7	7.6	0.0	162.4	1
1M	200	16260	-353	43	0	81	829	302.2	274.2	29.9	0.0	576.5	1
1N	200	16260	-90	43	0	81	294	302.2	136.4	7.6	0.0	438.6	1
1O	200	16260	-353	-65	0	-48	829	302.2	249.6	29.9	0.0	551.8	1
1P	200	16260	-90	-65	0	-48	294	302.2	111.7	7.6	0.0	414.0	1
2	200	8072	-292	-31	0	49	719	150.0	221.8	24.8	0.0	371.9	1
7	200	8141	-290	-28	0	45	724	151.3	220.3	24.6	0.0	371.7	1
8	200	8322	-291	-26	0	40	722	154.7	215.7	24.7	0.0	370.4	1

ASTA NUM. 7 NI 964 NF 965 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10816	-1019	34	0	56	757	201.0	236.3	86.4	0.0	437.4	1	
1B	0	-10816	-40	34	0	56	402	201.0	144.9	3.4	0.0	346.0	1	
1C	0	-10816	-1019	-21	0	-27	757	201.0	215.1	86.4	0.0	416.1	1	
1D	0	-10816	-40	-21	0	-27	402	201.0	123.6	3.4	0.0	324.7	1	
1E	0	7282	-1019	34	0	56	757	135.4	236.3	86.4	0.0	371.7	1	
1F	0	7282	-40	34	0	56	402	135.4	144.9	3.4	0.0	280.3	1	
1G	0	7282	-1019	-21	0	-27	757	135.4	215.1	86.4	0.0	350.4	1	
1H	0	7282	-40	-21	0	-27	402	135.4	123.6	3.4	0.0	259.0	1	
1I	0	-6147	-1003	67	0	102	855	114.3	296.1	85.1	0.0	410.3	1	
1J	0	-6147	-56	67	0	102	304	114.3	154.3	4.7	0.0	268.6	1	
1K	0	-6147	-1003	-54	0	-73	855	114.3	274.8	85.1	0.0	389.1	1	
1L	0	-6147	-56	-54	0	-73	304	114.3	133.0	4.7	0.0	247.3	1	
1M	0	2613	-1003	67	0	102	855	48.6	296.1	85.1	0.0	344.7	1	
1N	0	2613	-56	67	0	102	304	48.6	154.3	4.7	0.0	202.9	1	
1O	0	2613	-1003	-54	0	-73	855	48.6	274.8	85.1	0.0	323.4	1	
1P	0	2613	-56	-54	0	-73	304	48.6	133.0	4.7	0.0	181.6	1	
2	0	-2069	-670	28	0	47	742	38.5	226.4	56.8	0.0	264.8	1	
7	0	-2198	-679	25	0	43	748	40.9	224.8	57.6	0.0	265.7	1	
8	0	-2117	-674	21	0	38	745	39.3	220.0	57.2	0.0	259.4	1	
1A	100	-10816	-1569	34	0	16	-538	201.0	150.2	133.0	0.0	383.8	3	
1B	100	-10816	-591	34	0	16	87	201.0	34.3	50.1	0.0	235.3	1	
1C	100	-10816	-1569	-21	0	-0	-538	201.0	138.5	133.0	0.0	383.5	3	
1D	100	-10816	-591	-21	0	-0	87	201.0	22.6	50.1	0.0	234.1	3	
1E	100	7282	-1569	34	0	16	-538	135.4	150.2	133.0	0.0	330.0	3	
1F	100	7282	-591	34	0	16	87	135.4	34.3	50.1	0.0	173.7	3	
1G	100	7282	-1569	-21	0	-0	-538	135.4	138.5	133.0	0.0	329.7	3	
1H	100	7282	-591	-21	0	-0	87	135.4	22.6	50.1	0.0	173.4	3	
1I	100	-6147	-1553	67	0	33	-426	114.3	134.2	131.7	0.0	293.6	3	
1J	100	-6147	-606	67	0	33	-24	114.3	30.6	51.4	0.0	145.5	4	
1K	100	-6147	-1553	-54	0	-17	-426	114.3	122.5	131.7	0.0	293.3	3	
1L	100	-6147	-606	-54	0	-17	-24	114.3	19.0	51.4	0.0	145.2	4	
1M	100	2613	-1553	67	0	33	-426	48.6	134.2	131.7	0.0	250.0	3	
1N	100	2613	-606	67	0	33	-24	48.6	30.6	51.4	0.0	101.8	4	
1O	100	2613	-1553	-54	0	-17	-426	48.6	122.5	131.7	0.0	249.8	3	
1P	100	2613	-606	-54	0	-17	-24	48.6	19.0	51.4	0.0	101.6	4	

2	100	-2069	-1385	28	0	20	-285	38.5	88.1	117.4	0.0	208.1	3
7	100	-2198	-1395	25	0	19	-289	40.9	88.2	118.3	0.0	210.8	3
8	100	-2117	-1390	21	0	17	-287	39.3	86.2	117.8	0.0	209.3	3
1A	200	-10816	-2119	34	0	-24	-2383	201.0	631.0	179.7	0.0	832.1	1
1B	200	-10816	-1141	34	0	-24	-777	201.0	217.9	96.7	0.0	419.0	1
1C	200	-10816	-2119	-21	0	27	-2383	201.0	633.1	179.7	0.0	834.1	1
1D	200	-10816	-1141	-21	0	27	-777	201.0	220.0	96.7	0.0	421.0	1
1E	200	7282	-2119	34	0	-24	-2383	135.4	631.0	179.7	0.0	766.4	1
1F	200	7282	-1141	34	0	-24	-777	135.4	217.9	96.7	0.0	353.3	1
1G	200	7282	-2119	-21	0	27	-2383	135.4	633.1	179.7	0.0	768.4	1
1H	200	7282	-1141	-21	0	27	-777	135.4	220.0	96.7	0.0	355.3	1
1I	200	-6147	-2104	67	0	-36	-2258	114.3	608.3	178.4	0.0	722.5	1
1J	200	-6147	-1156	67	0	-36	-902	114.3	259.4	98.1	0.0	373.7	1
1K	200	-6147	-2104	-54	0	39	-2258	114.3	610.3	178.4	0.0	724.6	1
1L	200	-6147	-1156	-54	0	39	-902	114.3	261.4	98.1	0.0	375.7	1
1M	200	2613	-2104	67	0	-36	-2258	48.6	608.3	178.4	0.0	656.8	1
1N	200	2613	-1156	67	0	-36	-902	48.6	259.4	98.1	0.0	308.0	1
1O	200	2613	-2104	-54	0	39	-2258	48.6	610.3	178.4	0.0	658.9	1
1P	200	2613	-1156	-54	0	39	-902	48.6	261.4	98.1	0.0	310.0	1
2	200	-2069	-2100	28	0	-8	-2028	38.5	527.8	178.1	0.0	574.5	3
7	200	-2198	-2110	25	0	-6	-2041	40.9	529.9	178.9	0.0	579.8	3
8	200	-2117	-2105	21	0	-5	-2034	39.3	527.0	178.5	0.0	576.7	3

ASTA NUM. 8 NI 957 NF 958 Lungh. 100.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12005	391	-4	0	16	-152	223.1	51.0	33.1	0.0	274.2	1	
1B	0	-12005	1883	-4	0	16	-1706	223.1	450.9	159.7	0.0	674.0	1	
1C	0	-12005	391	-116	0	-20	-152	223.1	53.9	33.1	0.0	277.0	1	
1D	0	-12005	1883	-116	0	-20	-1706	223.1	453.8	159.7	0.0	676.9	1	
1E	0	4303	391	-4	0	16	-152	80.0	51.0	33.1	0.0	131.0	1	
1F	0	4303	1883	-4	0	16	-1706	80.0	450.9	159.7	0.0	532.6	3	
1G	0	4303	391	-116	0	-20	-152	80.0	53.9	33.1	0.0	133.9	1	
1H	0	4303	1883	-116	0	-20	-1706	80.0	453.8	159.7	0.0	533.7	1	
1I	0	-10152	653	39	0	24	-425	188.7	127.4	55.3	0.0	316.1	1	
1J	0	-10152	1621	39	0	24	-1432	188.7	386.5	137.5	0.0	575.2	1	
1K	0	-10152	653	-160	0	-28	-425	188.7	130.3	55.3	0.0	319.0	1	
1L	0	-10152	1621	-160	0	-28	-1432	188.7	389.4	137.5	0.0	578.1	1	
1M	0	2450	653	39	0	24	-425	45.5	127.4	55.3	0.0	173.0	1	
1N	0	2450	1621	39	0	24	-1432	45.5	386.5	137.5	0.0	432.1	1	
1O	0	2450	653	-160	0	-28	-425	45.5	130.3	55.3	0.0	175.8	1	
1P	0	2450	1621	-160	0	-28	-1432	45.5	389.4	137.5	0.0	434.9	1	
2	0	-5677	1456	-124	0	-11	-1187	105.5	313.8	123.5	0.0	423.7	3	
7	0	-5650	1470	-118	0	-10	-1199	105.0	315.8	124.6	0.0	426.5	3	
8	0	-5437	1461	-110	0	-8	-1191	101.1	312.7	123.9	0.0	420.8	3	
1A	50	-12005	116	-4	0	72	-19	223.1	58.8	9.8	0.0	282.0	1	
1B	50	-12005	1608	-4	0	72	-838	223.1	269.6	136.4	0.0	492.7	1	
1C	50	-12005	116	-116	0	-15	-19	223.1	16.5	9.8	0.0	239.6	1	
1D	50	-12005	1608	-116	0	-15	-838	223.1	227.2	136.4	0.0	466.0	3	
1E	50	4303	116	-4	0	72	-19	80.0	58.8	9.8	0.0	138.8	1	
1F	50	4303	1608	-4	0	72	-838	80.0	269.6	136.4	0.0	349.5	1	
1G	50	4303	116	-116	0	-15	-19	80.0	16.5	9.8	0.0	96.5	1	
1H	50	4303	1608	-116	0	-15	-838	80.0	227.2	136.4	0.0	344.1	3	
1I	50	-10152	378	39	0	101	-149	188.7	113.5	32.0	0.0	302.2	1	
1J	50	-10152	1346	39	0	101	-709	188.7	257.6	114.2	0.0	446.3	1	
1K	50	-10152	378	-160	0	-44	-149	188.7	71.2	32.0	0.0	259.9	1	
1L	50	-10152	1346	-160	0	-44	-709	188.7	215.3	114.2	0.0	404.0	1	
1M	50	2450	378	39	0	101	-149	45.5	113.5	32.0	0.0	159.1	1	
1N	50	2450	1346	39	0	101	-709	45.5	257.6	114.2	0.0	303.2	1	
1O	50	2450	378	-160	0	-44	-149	45.5	71.2	32.0	0.0	116.8	1	
1P	50	2450	1346	-160	0	-44	-709	45.5	215.3	114.2	0.0	273.3	3	
2	50	-5677	1098	-124	0	51	-548	105.5	179.3	93.1	0.0	284.8	1	
7	50	-5650	1113	-118	0	49	-553	105.0	179.0	94.3	0.0	284.0	1	
8	50	-5437	1103	-110	0	46	-550	101.1	176.3	93.6	0.0	277.3	1	
1A	100	-12005	-159	-4	0	128	-24	223.1	102.0	13.5	0.0	325.1	1	
1B	100	-12005	1333	-4	0	128	-108	223.1	123.6	113.0	0.0	346.7	1	
1C	100	-12005	-159	-116	0	-11	-24	223.1	14.5	13.5	0.0	237.7	1	
1D	100	-12005	1333	-116	0	-11	-108	223.1	36.1	113.0	0.0	302.9	3	
1E	100	4303	-159	-4	0	128	-24	80.0	102.0	13.5	0.0	182.0	1	
1F	100	4303	1333	-4	0	128	-108	80.0	123.6	113.0	0.0	212.7	4	
1G	100	4303	-159	-116	0	-11	-24	80.0	14.5	13.5	0.0	94.5	1	
1H	100	4303	1333	-116	0	-11	-108	80.0	36.1	113.0	0.0	211.6	4	
1I	100	-10152	103	39	0	177	-10	188.7	135.0	8.7	0.0	323.7	1	
1J	100	-10152	1071	39	0	177	-123	188.7	164.1	90.8	0.0	352.8	1	
1K	100	-10152	103	-160	0	-60	-10	188.7	47.5	8.7	0.0	236.2	1	
1L	100	-10152	1071	-160	0	-60	-123	188.7	76.7	90.8	0.0	265.3	1	
1M	100	2450	103	39	0	177	-10	45.5	135.0	8.7	0.0	180.6	1	
1N	100	2450	1071	39	0	177	-123	45.5	164.1	90.8	0.0	209.7	1	
1O	100	2450	103	-160	0	-60	-10	45.5	47.5	8.7	0.0	93.1	1	
1P	100	2450	1071	-160	0	-60	-123	45.5	76.7	90.8	0.0	164.2	4	
2	100	-5677	741	-124	0	113	-88	105.5	107.6	62.8	0.0	213.1	1	
7	100	-5650	755	-118	0	108	-86	105.0	102.8	64.0	0.0	207.9	1	
8	100	-5437	746	-110	0	101	-88	101.1	98.4	63.2	0.0	199.4	1	

ASTA NUM. 9 NI 603 NF 973 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.

qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	6	7	3	0	5	-3								Tipo di acciaio non contemplato
1B	0	6	12	3	0	5	-11								Tipo di acciaio non contemplato
1C	0	6	7	-3	0	-5	-3								Tipo di acciaio non contemplato
1D	0	6	12	-3	0	-5	-11								Tipo di acciaio non contemplato
1E	0	11	7	3	0	5	-3								Tipo di acciaio non contemplato
1F	0	11	12	3	0	5	-11								Tipo di acciaio non contemplato
1G	0	11	7	-3	0	-5	-3								Tipo di acciaio non contemplato
1H	0	11	12	-3	0	-5	-11								Tipo di acciaio non contemplato
1I	0	7	7	4	0	6	-4								Tipo di acciaio non contemplato
1J	0	7	12	4	0	6	-10								Tipo di acciaio non contemplato
1K	0	7	7	-4	0	-6	-4								Tipo di acciaio non contemplato
1L	0	7	12	-4	0	-6	-10								Tipo di acciaio non contemplato
1M	0	11	7	4	0	6	-4								Tipo di acciaio non contemplato
1N	0	11	12	4	0	6	-10								Tipo di acciaio non contemplato
1O	0	11	7	-4	0	-6	-4								Tipo di acciaio non contemplato
1P	0	11	12	-4	0	-6	-10								Tipo di acciaio non contemplato
2	0	12	12	-0	0	0	-9								Tipo di acciaio non contemplato
7	0	12	12	-0	0	0	-9								Tipo di acciaio non contemplato
8	0	12	12	-0	0	0	-9								Tipo di acciaio non contemplato
1A	73	2	2	3	0	3	0								Tipo di acciaio non contemplato
1B	73	2	8	3	0	3	-4								Tipo di acciaio non contemplato
1C	73	2	2	-3	0	-3	0								Tipo di acciaio non contemplato
1D	73	2	8	-3	0	-3	-4								Tipo di acciaio non contemplato
1E	73	7	2	3	0	3	0								Tipo di acciaio non contemplato
1F	73	7	8	3	0	3	-4								Tipo di acciaio non contemplato
1G	73	7	2	-3	0	-3	0								Tipo di acciaio non contemplato
1H	73	7	8	-3	0	-3	-4								Tipo di acciaio non contemplato
1I	73	3	3	4	0	3	0								Tipo di acciaio non contemplato
1J	73	3	7	4	0	3	-3								Tipo di acciaio non contemplato
1K	73	3	3	-4	0	-3	0								Tipo di acciaio non contemplato
1L	73	3	7	-4	0	-3	-3								Tipo di acciaio non contemplato
1M	73	6	3	4	0	3	0								Tipo di acciaio non contemplato
1N	73	6	7	4	0	3	-3								Tipo di acciaio non contemplato
1O	73	6	3	-4	0	-3	0								Tipo di acciaio non contemplato
1P	73	6	7	-4	0	-3	-3								Tipo di acciaio non contemplato
2	73	6	6	0	0	0	-2								Tipo di acciaio non contemplato
7	73	6	6	0	0	0	-2								Tipo di acciaio non contemplato
8	73	6	6	0	0	0	-2								Tipo di acciaio non contemplato
1A	147	-3	-3	3	0	0	0								Tipo di acciaio non contemplato
1B	147	-3	3	3	0	0	0								Tipo di acciaio non contemplato
1C	147	-3	-3	-3	0	0	0								Tipo di acciaio non contemplato
1D	147	-3	3	-3	0	0	0								Tipo di acciaio non contemplato
1E	147	3	-3	3	0	0	0								Tipo di acciaio non contemplato
1F	147	3	3	3	0	0	0								Tipo di acciaio non contemplato
1G	147	3	-3	-3	0	0	0								Tipo di acciaio non contemplato
1H	147	3	3	-3	0	0	0								Tipo di acciaio non contemplato
1I	147	-2	-2	4	0	0	0								Tipo di acciaio non contemplato
1J	147	-2	2	4	0	0	0								Tipo di acciaio non contemplato
1K	147	-2	-2	-4	0	0	0								Tipo di acciaio non contemplato
1L	147	-2	2	-4	0	0	0								Tipo di acciaio non contemplato
1M	147	2	-2	4	0	0	0								Tipo di acciaio non contemplato
1N	147	2	2	4	0	0	0								Tipo di acciaio non contemplato
1O	147	2	-2	-4	0	0	0								Tipo di acciaio non contemplato
1P	147	2	2	-4	0	0	0								Tipo di acciaio non contemplato
2	147	-0	0	0	0	0	0								Tipo di acciaio non contemplato
7	147	-0	0	0	0	0	0								Tipo di acciaio non contemplato
8	147	-0	0	0	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 10 NI 958 NF 956 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-5926	-0	4	0	3	4								Tipo di acciaio non contemplato
1B	0	-5926	2	4	0	3	2								Tipo di acciaio non contemplato
1C	0	-5926	-0	-5	0	-3	4								Tipo di acciaio non contemplato
1D	0	-5926	2	-5	0	-3	2								Tipo di acciaio non contemplato
1E	0	-3502	-0	4	0	3	4								Tipo di acciaio non contemplato
1F	0	-3502	2	4	0	3	2								Tipo di acciaio non contemplato
1G	0	-3502	-0	-5	0	-3	4								Tipo di acciaio non contemplato
1H	0	-3502	2	-5	0	-3	2								Tipo di acciaio non contemplato
1I	0	-6558	-1	6	0	7	4								Tipo di acciaio non contemplato
1J	0	-6558	2	6	0	7	2								Tipo di acciaio non contemplato
1K	0	-6558	-1	-7	0	-7	4								Tipo di acciaio non contemplato
1L	0	-6558	2	-7	0	-7	2								Tipo di acciaio non contemplato
1M	0	-2870	-1	6	0	7	4								Tipo di acciaio non contemplato
1N	0	-2870	2	6	0	7	2								Tipo di acciaio non contemplato
1O	0	-2870	-1	-7	0	-7	4								Tipo di acciaio non contemplato
1P	0	-2870	2	-7	0	-7	2								Tipo di acciaio non contemplato
2	0	-6139	1	-0	0	0	4								Tipo di acciaio non contemplato
7	0	-6157	1	-0	0	0	4								Tipo di acciaio non contemplato
8	0	-6132	1	-1	0	0	4								Tipo di acciaio non contemplato

1A	71	-5922	-5	4	0	0	2							Tipo di acciaio non contemplato
1B	71	-5922	-3	4	0	0	2							Tipo di acciaio non contemplato
1C	71	-5922	-5	-5	0	0	2							Tipo di acciaio non contemplato
1D	71	-5922	-3	-5	0	0	2							Tipo di acciaio non contemplato
1E	71	-3497	-5	4	0	0	2							Tipo di acciaio non contemplato
1F	71	-3497	-3	4	0	0	2							Tipo di acciaio non contemplato
1G	71	-3497	-5	-5	0	0	2							Tipo di acciaio non contemplato
1H	71	-3497	-3	-5	0	0	2							Tipo di acciaio non contemplato
1I	71	-6554	-5	6	0	2	2							Tipo di acciaio non contemplato
1J	71	-6554	-2	6	0	2	2							Tipo di acciaio non contemplato
1K	71	-6554	-5	-7	0	-1	2							Tipo di acciaio non contemplato
1L	71	-6554	-2	-7	0	-1	2							Tipo di acciaio non contemplato
1M	71	-2865	-5	6	0	2	2							Tipo di acciaio non contemplato
1N	71	-2865	-2	6	0	2	2							Tipo di acciaio non contemplato
1O	71	-2865	-5	-7	0	-1	2							Tipo di acciaio non contemplato
1P	71	-2865	-2	-7	0	-1	2							Tipo di acciaio non contemplato
2	71	-6133	-5	-0	0	0	3							Tipo di acciaio non contemplato
7	71	-6151	-5	-0	0	0	3							Tipo di acciaio non contemplato
8	71	-6126	-5	-1	0	0	3							Tipo di acciaio non contemplato
1A	141	-5917	-9	4	0	-2	-3							Tipo di acciaio non contemplato
1B	141	-5917	-7	4	0	-2	-2							Tipo di acciaio non contemplato
1C	141	-5917	-9	-5	0	3	-3							Tipo di acciaio non contemplato
1D	141	-5917	-7	-5	0	3	-2							Tipo di acciaio non contemplato
1E	141	-3493	-9	4	0	-2	-3							Tipo di acciaio non contemplato
1F	141	-3493	-7	4	0	-2	-2							Tipo di acciaio non contemplato
1G	141	-3493	-9	-5	0	3	-3							Tipo di acciaio non contemplato
1H	141	-3493	-7	-5	0	3	-2							Tipo di acciaio non contemplato
1I	141	-6549	-10	6	0	-3	-3							Tipo di acciaio non contemplato
1J	141	-6549	-7	6	0	-3	-1							Tipo di acciaio non contemplato
1K	141	-6549	-10	-7	0	4	-3							Tipo di acciaio non contemplato
1L	141	-6549	-7	-7	0	4	-1							Tipo di acciaio non contemplato
1M	141	-2861	-10	6	0	-3	-3							Tipo di acciaio non contemplato
1N	141	-2861	-7	6	0	-3	-1							Tipo di acciaio non contemplato
1O	141	-2861	-10	-7	0	4	-3							Tipo di acciaio non contemplato
1P	141	-2861	-7	-7	0	4	-1							Tipo di acciaio non contemplato
2	141	-6127	-11	-0	0	0	-3							Tipo di acciaio non contemplato
7	141	-6145	-11	-0	0	0	-3							Tipo di acciaio non contemplato
8	141	-6120	-11	-1	0	0	-3							Tipo di acciaio non contemplato

ASTA NUM. 11 NI 604 NF 958 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	4041	0	2	0	4	0								Tipo di acciaio non contemplato
1B	0	4041	3	2	0	4	0								Tipo di acciaio non contemplato
1C	0	4041	0	-1	0	-3	0								Tipo di acciaio non contemplato
1D	0	4041	3	-1	0	-3	0								Tipo di acciaio non contemplato
1E	0	5363	0	2	0	4	0								Tipo di acciaio non contemplato
1F	0	5363	3	2	0	4	0								Tipo di acciaio non contemplato
1G	0	5363	0	-1	0	-3	0								Tipo di acciaio non contemplato
1H	0	5363	3	-1	0	-3	0								Tipo di acciaio non contemplato
1I	0	3242	1	4	0	8	0								Tipo di acciaio non contemplato
1J	0	3242	3	4	0	8	0								Tipo di acciaio non contemplato
1K	0	3242	1	-3	0	-7	0								Tipo di acciaio non contemplato
1L	0	3242	3	-3	0	-7	0								Tipo di acciaio non contemplato
1M	0	6162	1	4	0	8	0								Tipo di acciaio non contemplato
1N	0	6162	3	4	0	8	0								Tipo di acciaio non contemplato
1O	0	6162	1	-3	0	-7	0								Tipo di acciaio non contemplato
1P	0	6162	3	-3	0	-7	0								Tipo di acciaio non contemplato
2	0	6157	2	-1	0	0	0								Tipo di acciaio non contemplato
7	0	6153	2	-1	0	0	0								Tipo di acciaio non contemplato
8	0	6142	2	-0	0	0	0								Tipo di acciaio non contemplato
1A	71	4037	-4	2	0	3	0								Tipo di acciaio non contemplato
1B	71	4037	-1	2	0	3	0								Tipo di acciaio non contemplato
1C	71	4037	-4	-1	0	-2	0								Tipo di acciaio non contemplato
1D	71	4037	-1	-1	0	-2	0								Tipo di acciaio non contemplato
1E	71	5358	-4	2	0	3	0								Tipo di acciaio non contemplato
1F	71	5358	-1	2	0	3	0								Tipo di acciaio non contemplato
1G	71	5358	-4	-1	0	-2	0								Tipo di acciaio non contemplato
1H	71	5358	-1	-1	0	-2	0								Tipo di acciaio non contemplato
1I	71	3237	-4	4	0	5	0								Tipo di acciaio non contemplato
1J	71	3237	-1	4	0	5	0								Tipo di acciaio non contemplato
1K	71	3237	-4	-3	0	-5	0								Tipo di acciaio non contemplato
1L	71	3237	-1	-3	0	-5	0								Tipo di acciaio non contemplato
1M	71	6158	-4	4	0	5	0								Tipo di acciaio non contemplato
1N	71	6158	-1	4	0	5	0								Tipo di acciaio non contemplato
1O	71	6158	-4	-3	0	-5	0								Tipo di acciaio non contemplato
1P	71	6158	-1	-3	0	-5	0								Tipo di acciaio non contemplato
2	71	6151	-3	-1	0	0	0								Tipo di acciaio non contemplato
7	71	6147	-3	-1	0	0	0								Tipo di acciaio non contemplato
8	71	6136	-3	-0	0	0	0								Tipo di acciaio non contemplato
1A	141	4032	-8	2	0	1	-5								Tipo di acciaio non contemplato
1B	141	4032	-6	2	0	1	-2								Tipo di acciaio non contemplato
1C	141	4032	-8	-1	0	-1	-5								Tipo di acciaio non contemplato
1D	141	4032	-6	-1	0	-1	-2								Tipo di acciaio non contemplato
1E	141	5354	-8	2	0	1	-5								Tipo di acciaio non contemplato
1F	141	5354	-6	2	0	1	-2								Tipo di acciaio non contemplato

1G	141	5354	-8	-1	0	-1	-5							Tipo di acciaio non contemplato
1H	141	5354	-6	-1	0	-1	-2							Tipo di acciaio non contemplato
1I	141	3233	-8	4	0	3	-5							Tipo di acciaio non contemplato
1J	141	3233	-6	4	0	3	-2							Tipo di acciaio non contemplato
1K	141	3233	-8	-3	0	-3	-5							Tipo di acciaio non contemplato
1L	141	3233	-6	-3	0	-3	-2							Tipo di acciaio non contemplato
1M	141	6153	-8	4	0	3	-5							Tipo di acciaio non contemplato
1N	141	6153	-6	4	0	3	-2							Tipo di acciaio non contemplato
1O	141	6153	-8	-3	0	-3	-5							Tipo di acciaio non contemplato
1P	141	6153	-6	-3	0	-3	-2							Tipo di acciaio non contemplato
2	141	6145	-9	-1	0	0	-5							Tipo di acciaio non contemplato
7	141	6141	-9	-1	0	0	-5							Tipo di acciaio non contemplato
8	141	6130	-9	-0	0	0	-5							Tipo di acciaio non contemplato

ASTA NUM. 12 NI 959 NF 955 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-4115	1	5	0	3	3								Tipo di acciaio non contemplato
1B	0	-4115	4	5	0	3	1								Tipo di acciaio non contemplato
1C	0	-4115	1	-8	0	-7	3								Tipo di acciaio non contemplato
1D	0	-4115	4	-8	0	-7	1								Tipo di acciaio non contemplato
1E	0	-2137	1	5	0	3	3								Tipo di acciaio non contemplato
1F	0	-2137	4	5	0	3	1								Tipo di acciaio non contemplato
1G	0	-2137	1	-8	0	-7	3								Tipo di acciaio non contemplato
1H	0	-2137	4	-8	0	-7	1								Tipo di acciaio non contemplato
1I	0	-4627	0	16	0	12	4								Tipo di acciaio non contemplato
1J	0	-4627	5	16	0	12	0								Tipo di acciaio non contemplato
1K	0	-4627	0	-19	0	-16	4								Tipo di acciaio non contemplato
1L	0	-4627	5	-19	0	-16	0								Tipo di acciaio non contemplato
1M	0	-1625	0	16	0	12	4								Tipo di acciaio non contemplato
1N	0	-1625	5	16	0	12	0								Tipo di acciaio non contemplato
1O	0	-1625	0	-19	0	-16	4								Tipo di acciaio non contemplato
1P	0	-1625	5	-19	0	-16	0								Tipo di acciaio non contemplato
2	0	-4085	3	-2	0	-3	3								Tipo di acciaio non contemplato
7	0	-4094	3	-2	0	-2	3								Tipo di acciaio non contemplato
8	0	-4075	3	-2	0	-3	3								Tipo di acciaio non contemplato
1A	71	-4110	-3	5	0	0	2								Tipo di acciaio non contemplato
1B	71	-4110	-1	5	0	0	2								Tipo di acciaio non contemplato
1C	71	-4110	-3	-8	0	-1	2								Tipo di acciaio non contemplato
1D	71	-4110	-1	-8	0	-1	2								Tipo di acciaio non contemplato
1E	71	-2133	-3	5	0	0	2								Tipo di acciaio non contemplato
1F	71	-2133	-1	5	0	0	2								Tipo di acciaio non contemplato
1G	71	-2133	-3	-8	0	-1	2								Tipo di acciaio non contemplato
1H	71	-2133	-1	-8	0	-1	2								Tipo di acciaio non contemplato
1I	71	-4623	-4	16	0	0	2								Tipo di acciaio non contemplato
1J	71	-4623	0	16	0	0	2								Tipo di acciaio non contemplato
1K	71	-4623	-4	-19	0	-2	2								Tipo di acciaio non contemplato
1L	71	-4623	0	-19	0	-2	2								Tipo di acciaio non contemplato
1M	71	-1620	-4	16	0	0	2								Tipo di acciaio non contemplato
1N	71	-1620	0	16	0	0	2								Tipo di acciaio non contemplato
1O	71	-1620	-4	-19	0	-2	2								Tipo di acciaio non contemplato
1P	71	-1620	0	-19	0	-2	2								Tipo di acciaio non contemplato
2	71	-4080	-3	-2	0	-1	3								Tipo di acciaio non contemplato
7	71	-4088	-3	-2	0	-1	3								Tipo di acciaio non contemplato
8	71	-4070	-3	-2	0	-1	3								Tipo di acciaio non contemplato
1A	141	-4106	-8	5	0	-5	-2								Tipo di acciaio non contemplato
1B	141	-4106	-5	5	0	-5	0								Tipo di acciaio non contemplato
1C	141	-4106	-8	-8	0	4	-2								Tipo di acciaio non contemplato
1D	141	-4106	-5	-8	0	4	0								Tipo di acciaio non contemplato
1E	141	-2128	-8	5	0	-5	-2								Tipo di acciaio non contemplato
1F	141	-2128	-5	5	0	-5	0								Tipo di acciaio non contemplato
1G	141	-2128	-8	-8	0	4	-2								Tipo di acciaio non contemplato
1H	141	-2128	-5	-8	0	4	0								Tipo di acciaio non contemplato
1I	141	-4618	-9	16	0	-11	-2								Tipo di acciaio non contemplato
1J	141	-4618	-4	16	0	-11	0								Tipo di acciaio non contemplato
1K	141	-4618	-9	-19	0	11	-2								Tipo di acciaio non contemplato
1L	141	-4618	-4	-19	0	11	0								Tipo di acciaio non contemplato
1M	141	-1616	-9	16	0	-11	-2								Tipo di acciaio non contemplato
1N	141	-1616	-4	16	0	-11	0								Tipo di acciaio non contemplato
1O	141	-1616	-9	-19	0	11	-2								Tipo di acciaio non contemplato
1P	141	-1616	-4	-19	0	11	0								Tipo di acciaio non contemplato
2	141	-4074	-8	-2	0	0	0								Tipo di acciaio non contemplato
7	141	-4082	-8	-2	0	0	0								Tipo di acciaio non contemplato
8	141	-4064	-8	-2	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 13 NI 956 NF 959 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	3693	2	6	0	7	3								Tipo di acciaio non contemplato
1B	0	3693	3	6	0	7	1								Tipo di acciaio non contemplato

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1J	71	-2373	1	14	0	0	3	Tipo di acciaio non contemplato
1K	71	-2373	-3	-30	0	3	2	Tipo di acciaio non contemplato
1L	71	-2373	1	-30	0	3	3	Tipo di acciaio non contemplato
1M	71	-582	-3	14	0	0	2	Tipo di acciaio non contemplato
1N	71	-582	1	14	0	0	3	Tipo di acciaio non contemplato
1O	71	-582	-3	-30	0	3	2	Tipo di acciaio non contemplato
1P	71	-582	1	-30	0	3	3	Tipo di acciaio non contemplato
2	71	-1943	-1	-11	0	2	3	Tipo di acciaio non contemplato
7	71	-1948	-1	-10	0	2	3	Tipo di acciaio non contemplato
8	71	-1934	-1	-11	0	2	3	Tipo di acciaio non contemplato
1A	141	-2328	-6	-1	0	1	0	Tipo di acciaio non contemplato
1B	141	-2328	-4	-1	0	1	1	Tipo di acciaio non contemplato
1C	141	-2328	-6	-16	0	13	0	Tipo di acciaio non contemplato
1D	141	-2328	-4	-16	0	13	1	Tipo di acciaio non contemplato
1E	141	-618	-6	-1	0	1	0	Tipo di acciaio non contemplato
1F	141	-618	-4	-1	0	1	1	Tipo di acciaio non contemplato
1G	141	-618	-6	-16	0	13	0	Tipo di acciaio non contemplato
1H	141	-618	-4	-16	0	13	1	Tipo di acciaio non contemplato
1I	141	-2368	-7	14	0	-10	-1	Tipo di acciaio non contemplato
1J	141	-2368	-3	14	0	-10	2	Tipo di acciaio non contemplato
1K	141	-2368	-7	-30	0	24	-1	Tipo di acciaio non contemplato
1L	141	-2368	-3	-30	0	24	2	Tipo di acciaio non contemplato
1M	141	-578	-7	14	0	-10	-1	Tipo di acciaio non contemplato
1N	141	-578	-3	14	0	-10	2	Tipo di acciaio non contemplato
1O	141	-578	-7	-30	0	24	-1	Tipo di acciaio non contemplato
1P	141	-578	-3	-30	0	24	2	Tipo di acciaio non contemplato
2	141	-1937	-7	-11	0	10	0	Tipo di acciaio non contemplato
7	141	-1942	-7	-10	0	9	0	Tipo di acciaio non contemplato
8	141	-1929	-7	-11	0	10	0	Tipo di acciaio non contemplato

ASTA NUM. 15 NI 955 NF 960 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	2022	2	11	0	12	3								Tipo di acciaio non contemplato
1B	0	2022	4	11	0	12	1								Tipo di acciaio non contemplato
1C	0	2022	2	-3	0	-3	3								Tipo di acciaio non contemplato
1D	0	2022	4	-3	0	-3	1								Tipo di acciaio non contemplato
1E	0	4026	2	11	0	12	3								Tipo di acciaio non contemplato
1F	0	4026	4	11	0	12	1								Tipo di acciaio non contemplato
1G	0	4026	2	-3	0	-3	3								Tipo di acciaio non contemplato
1H	0	4026	4	-3	0	-3	1								Tipo di acciaio non contemplato
1I	0	1621	1	24	0	25	4								Tipo di acciaio non contemplato
1J	0	1621	5	24	0	25	0								Tipo di acciaio non contemplato
1K	0	1621	1	-16	0	-17	4								Tipo di acciaio non contemplato
1L	0	1621	5	-16	0	-17	0								Tipo di acciaio non contemplato
1M	0	4427	1	24	0	25	4								Tipo di acciaio non contemplato
1N	0	4427	5	24	0	25	0								Tipo di acciaio non contemplato
1O	0	4427	1	-16	0	-17	4								Tipo di acciaio non contemplato
1P	0	4427	5	-16	0	-17	0								Tipo di acciaio non contemplato
2	0	3953	4	5	0	6	3								Tipo di acciaio non contemplato
7	0	3957	4	5	0	5	3								Tipo di acciaio non contemplato
8	0	3944	4	5	0	6	3								Tipo di acciaio non contemplato
1A	71	2018	-3	11	0	4	3								Tipo di acciaio non contemplato
1B	71	2018	-1	11	0	4	2								Tipo di acciaio non contemplato
1C	71	2018	-3	-3	0	0	3								Tipo di acciaio non contemplato
1D	71	2018	-1	-3	0	0	2								Tipo di acciaio non contemplato
1E	71	4021	-3	11	0	4	3								Tipo di acciaio non contemplato
1F	71	4021	-1	11	0	4	2								Tipo di acciaio non contemplato
1G	71	4021	-3	-3	0	0	3								Tipo di acciaio non contemplato
1H	71	4021	-1	-3	0	0	2								Tipo di acciaio non contemplato
1I	71	1616	-4	24	0	8	3								Tipo di acciaio non contemplato
1J	71	1616	0	24	0	8	2								Tipo di acciaio non contemplato
1K	71	1616	-4	-16	0	-5	3								Tipo di acciaio non contemplato
1L	71	1616	0	-16	0	-5	2								Tipo di acciaio non contemplato
1M	71	4423	-4	24	0	8	3								Tipo di acciaio non contemplato
1N	71	4423	0	24	0	8	2								Tipo di acciaio non contemplato
1O	71	4423	-4	-16	0	-5	3								Tipo di acciaio non contemplato
1P	71	4423	0	-16	0	-5	2								Tipo di acciaio non contemplato
2	71	3947	-2	5	0	2	3								Tipo di acciaio non contemplato
7	71	3952	-2	5	0	2	3								Tipo di acciaio non contemplato
8	71	3938	-2	5	0	2	3								Tipo di acciaio non contemplato
1A	141	2013	-7	11	0	-4	0								Tipo di acciaio non contemplato
1B	141	2013	-5	11	0	-4	0								Tipo di acciaio non contemplato
1C	141	2013	-7	-3	0	2	0								Tipo di acciaio non contemplato
1D	141	2013	-5	-3	0	2	0								Tipo di acciaio non contemplato
1E	141	4017	-7	11	0	-4	0								Tipo di acciaio non contemplato
1F	141	4017	-5	11	0	-4	0								Tipo di acciaio non contemplato
1G	141	4017	-7	-3	0	2	0								Tipo di acciaio non contemplato
1H	141	4017	-5	-3	0	2	0								Tipo di acciaio non contemplato
1I	141	1612	-8	24	0	-8	-1								Tipo di acciaio non contemplato
1J	141	1612	-4	24	0	-8	0								Tipo di acciaio non contemplato
1K	141	1612	-8	-16	0	6	-1								Tipo di acciaio non contemplato
1L	141	1612	-4	-16	0	6	0								Tipo di acciaio non contemplato
1M	141	4418	-8	24	0	-8	-1								Tipo di acciaio non contemplato
1N	141	4418	-4	24	0	-8	0								Tipo di acciaio non contemplato
1O	141	4418	-8	-16	0	6	-1								Tipo di acciaio non contemplato
1P	141	4418	-4	-16	0	6	0								Tipo di acciaio non contemplato

2	141	3941	-8	5	0	-2	0							Tipo di acciaio non contemplato
7	141	3946	-8	5	0	-1	0							Tipo di acciaio non contemplato
8	141	3933	-8	5	0	-2	0							Tipo di acciaio non contemplato

ASTA NUM. 16 NI 954 NF 961 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	605	3	14	0	13	2								Tipo di acciaio non contemplato
1B	0	605	4	14	0	13	0								Tipo di acciaio non contemplato
1C	0	605	3	-0	0	-1	2								Tipo di acciaio non contemplato
1D	0	605	4	-0	0	-1	0								Tipo di acciaio non contemplato
1E	0	2231	3	14	0	13	2								Tipo di acciaio non contemplato
1F	0	2231	4	14	0	13	0								Tipo di acciaio non contemplato
1G	0	2231	3	-0	0	-1	2								Tipo di acciaio non contemplato
1H	0	2231	4	-0	0	-1	0								Tipo di acciaio non contemplato
1I	0	589	2	29	0	27	3								Tipo di acciaio non contemplato
1J	0	589	5	29	0	27	0								Tipo di acciaio non contemplato
1K	0	589	2	-15	0	-15	3								Tipo di acciaio non contemplato
1L	0	589	5	-15	0	-15	0								Tipo di acciaio non contemplato
1M	0	2247	2	29	0	27	3								Tipo di acciaio non contemplato
1N	0	2247	5	29	0	27	0								Tipo di acciaio non contemplato
1O	0	2247	2	-15	0	-15	3								Tipo di acciaio non contemplato
1P	0	2247	5	-15	0	-15	0								Tipo di acciaio non contemplato
2	0	1869	5	10	0	8	2								Tipo di acciaio non contemplato
7	0	1869	5	9	0	7	2								Tipo di acciaio non contemplato
8	0	1860	5	10	0	8	2								Tipo di acciaio non contemplato
1A	71	601	-1	14	0	3	3								Tipo di acciaio non contemplato
1B	71	601	0	14	0	3	3								Tipo di acciaio non contemplato
1C	71	601	-1	-0	0	0	3								Tipo di acciaio non contemplato
1D	71	601	0	-0	0	0	3								Tipo di acciaio non contemplato
1E	71	2226	-1	14	0	3	3								Tipo di acciaio non contemplato
1F	71	2226	0	14	0	3	3								Tipo di acciaio non contemplato
1G	71	2226	-1	-0	0	0	3								Tipo di acciaio non contemplato
1H	71	2226	0	-0	0	0	3								Tipo di acciaio non contemplato
1I	71	585	-2	29	0	6	3								Tipo di acciaio non contemplato
1J	71	585	1	29	0	6	2								Tipo di acciaio non contemplato
1K	71	585	-2	-15	0	-4	3								Tipo di acciaio non contemplato
1L	71	585	1	-15	0	-4	2								Tipo di acciaio non contemplato
1M	71	2242	-2	29	0	6	3								Tipo di acciaio non contemplato
1N	71	2242	1	29	0	6	2								Tipo di acciaio non contemplato
1O	71	2242	-2	-15	0	-4	3								Tipo di acciaio non contemplato
1P	71	2242	1	-15	0	-4	2								Tipo di acciaio non contemplato
2	71	1864	-1	10	0	1	3								Tipo di acciaio non contemplato
7	71	1863	-1	9	0	0	4								Tipo di acciaio non contemplato
8	71	1854	-1	10	0	1	3								Tipo di acciaio non contemplato
1A	141	596	-6	14	0	-8	0								Tipo di acciaio non contemplato
1B	141	596	-4	14	0	-8	1								Tipo di acciaio non contemplato
1C	141	596	-6	-0	0	0	0								Tipo di acciaio non contemplato
1D	141	596	-4	-0	0	0	1								Tipo di acciaio non contemplato
1E	141	2222	-6	14	0	-8	0								Tipo di acciaio non contemplato
1F	141	2222	-4	14	0	-8	1								Tipo di acciaio non contemplato
1G	141	2222	-6	-0	0	0	0								Tipo di acciaio non contemplato
1H	141	2222	-4	-0	0	0	1								Tipo di acciaio non contemplato
1I	141	580	-7	29	0	-15	0								Tipo di acciaio non contemplato
1J	141	580	-3	29	0	-15	2								Tipo di acciaio non contemplato
1K	141	580	-7	-15	0	6	0								Tipo di acciaio non contemplato
1L	141	580	-3	-15	0	6	2								Tipo di acciaio non contemplato
1M	141	2238	-7	29	0	-15	0								Tipo di acciaio non contemplato
1N	141	2238	-3	29	0	-15	2								Tipo di acciaio non contemplato
1O	141	2238	-7	-15	0	6	0								Tipo di acciaio non contemplato
1P	141	2238	-3	-15	0	6	2								Tipo di acciaio non contemplato
2	141	1858	-7	10	0	-6	0								Tipo di acciaio non contemplato
7	141	1857	-7	9	0	-5	0								Tipo di acciaio non contemplato
8	141	1849	-7	10	0	-6	0								Tipo di acciaio non contemplato

ASTA NUM. 17 NI 961 NF 357 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-547	3	3	0	3	2								Tipo di acciaio non contemplato
1B	0	-547	5	3	0	3	0								Tipo di acciaio non contemplato
1C	0	-547	3	-12	0	-6	2								Tipo di acciaio non contemplato
1D	0	-547	5	-12	0	-6	0								Tipo di acciaio non contemplato
1E	0	867	3	3	0	3	2								Tipo di acciaio non contemplato
1F	0	867	5	3	0	3	0								Tipo di acciaio non contemplato
1G	0	867	3	-12	0	-6	2								Tipo di acciaio non contemplato
1H	0	867	5	-12	0	-6	0								Tipo di acciaio non contemplato
1I	0	-267	2	20	0	12	2								Tipo di acciaio non contemplato
1J	0	-267	6	20	0	12	0								Tipo di acciaio non contemplato
1K	0	-267	2	-28	0	-15	2								Tipo di acciaio non contemplato
1L	0	-267	6	-28	0	-15	0								Tipo di acciaio non contemplato

1M	0	586	2	20	0	12	2	Tipo di acciaio non contemplato
1N	0	586	6	20	0	12	0	Tipo di acciaio non contemplato
1O	0	586	2	-28	0	-15	2	Tipo di acciaio non contemplato
1P	0	586	6	-28	0	-15	0	Tipo di acciaio non contemplato
2	0	180	6	-6	0	-2	2	Tipo di acciaio non contemplato
7	0	182	6	-5	0	-2	2	Tipo di acciaio non contemplato
8	0	189	6	-6	0	-2	2	Tipo di acciaio non contemplato
1A	71	-543	-1	3	0	0	3	Tipo di acciaio non contemplato
1B	71	-543	1	3	0	0	3	Tipo di acciaio non contemplato
1C	71	-543	-1	-12	0	3	3	Tipo di acciaio non contemplato
1D	71	-543	1	-12	0	3	3	Tipo di acciaio non contemplato
1E	71	871	-1	3	0	0	3	Tipo di acciaio non contemplato
1F	71	871	1	3	0	0	3	Tipo di acciaio non contemplato
1G	71	871	-1	-12	0	3	3	Tipo di acciaio non contemplato
1H	71	871	1	-12	0	3	3	Tipo di acciaio non contemplato
1I	71	-263	-2	20	0	-2	2	Tipo di acciaio non contemplato
1J	71	-263	2	20	0	-2	3	Tipo di acciaio non contemplato
1K	71	-263	-2	-28	0	5	2	Tipo di acciaio non contemplato
1L	71	-263	2	-28	0	5	3	Tipo di acciaio non contemplato
1M	71	591	-2	20	0	-2	2	Tipo di acciaio non contemplato
1N	71	591	2	20	0	-2	3	Tipo di acciaio non contemplato
1O	71	591	-2	-28	0	5	2	Tipo di acciaio non contemplato
1P	71	591	2	-28	0	5	3	Tipo di acciaio non contemplato
2	71	185	-0	-6	0	2	4	Tipo di acciaio non contemplato
7	71	188	-0	-5	0	2	4	Tipo di acciaio non contemplato
8	71	195	-0	-6	0	2	4	Tipo di acciaio non contemplato
1A	141	-538	-5	3	0	-2	0	Tipo di acciaio non contemplato
1B	141	-538	-4	3	0	-2	2	Tipo di acciaio non contemplato
1C	141	-538	-5	-12	0	11	0	Tipo di acciaio non contemplato
1D	141	-538	-4	-12	0	11	2	Tipo di acciaio non contemplato
1E	141	875	-5	3	0	-2	0	Tipo di acciaio non contemplato
1F	141	875	-4	3	0	-2	2	Tipo di acciaio non contemplato
1G	141	875	-5	-12	0	11	0	Tipo di acciaio non contemplato
1H	141	875	-4	-12	0	11	2	Tipo di acciaio non contemplato
1I	141	-258	-7	20	0	-16	0	Tipo di acciaio non contemplato
1J	141	-258	-2	20	0	-16	3	Tipo di acciaio non contemplato
1K	141	-258	-7	-28	0	25	0	Tipo di acciaio non contemplato
1L	141	-258	-2	-28	0	25	3	Tipo di acciaio non contemplato
1M	141	595	-7	20	0	-16	0	Tipo di acciaio non contemplato
1N	141	595	-2	20	0	-16	3	Tipo di acciaio non contemplato
1O	141	595	-7	-28	0	25	0	Tipo di acciaio non contemplato
1P	141	595	-2	-28	0	25	3	Tipo di acciaio non contemplato
2	141	191	-6	-6	0	6	1	Tipo di acciaio non contemplato
7	141	194	-6	-5	0	5	1	Tipo di acciaio non contemplato
8	141	200	-6	-6	0	6	1	Tipo di acciaio non contemplato

ASTA NUM. 18 NI 357 NF 962 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1003	4	14	0	12	2								Tipo di acciaio non contemplato
1B	0	-1003	6	14	0	12	0								Tipo di acciaio non contemplato
1C	0	-1003	4	-2	0	-2	2								Tipo di acciaio non contemplato
1D	0	-1003	6	-2	0	-2	0								Tipo di acciaio non contemplato
1E	0	377	4	14	0	12	2								Tipo di acciaio non contemplato
1F	0	377	6	14	0	12	0								Tipo di acciaio non contemplato
1G	0	377	4	-2	0	-2	2								Tipo di acciaio non contemplato
1H	0	377	6	-2	0	-2	0								Tipo di acciaio non contemplato
1I	0	-618	3	30	0	26	3								Tipo di acciaio non contemplato
1J	0	-618	7	30	0	26	0								Tipo di acciaio non contemplato
1K	0	-618	3	-18	0	-16	3								Tipo di acciaio non contemplato
1L	0	-618	7	-18	0	-16	0								Tipo di acciaio non contemplato
1M	0	-8	3	30	0	26	3								Tipo di acciaio non contemplato
1N	0	-8	7	30	0	26	0								Tipo di acciaio non contemplato
1O	0	-8	3	-18	0	-16	3								Tipo di acciaio non contemplato
1P	0	-8	7	-18	0	-16	0								Tipo di acciaio non contemplato
2	0	-376	6	8	0	7	1								Tipo di acciaio non contemplato
7	0	-384	6	7	0	6	1								Tipo di acciaio non contemplato
8	0	-385	6	8	0	7	1								Tipo di acciaio non contemplato
1A	71	-1007	-1	14	0	2	3								Tipo di acciaio non contemplato
1B	71	-1007	1	14	0	2	3								Tipo di acciaio non contemplato
1C	71	-1007	-1	-2	0	0	3								Tipo di acciaio non contemplato
1D	71	-1007	1	-2	0	0	3								Tipo di acciaio non contemplato
1E	71	372	-1	14	0	2	3								Tipo di acciaio non contemplato
1F	71	372	1	14	0	2	3								Tipo di acciaio non contemplato
1G	71	372	-1	-2	0	0	3								Tipo di acciaio non contemplato
1H	71	372	1	-2	0	0	3								Tipo di acciaio non contemplato
1I	71	-622	-2	30	0	5	3								Tipo di acciaio non contemplato
1J	71	-622	2	30	0	5	2								Tipo di acciaio non contemplato
1K	71	-622	-2	-18	0	-3	3								Tipo di acciaio non contemplato
1L	71	-622	2	-18	0	-3	2								Tipo di acciaio non contemplato
1M	71	-12	-2	30	0	5	3								Tipo di acciaio non contemplato
1N	71	-12	2	30	0	5	2								Tipo di acciaio non contemplato
1O	71	-12	-2	-18	0	-3	3								Tipo di acciaio non contemplato
1P	71	-12	2	-18	0	-3	2								Tipo di acciaio non contemplato
2	71	-382	0	8	0	1	4								Tipo di acciaio non contemplato
7	71	-390	0	7	0	1	4								Tipo di acciaio non contemplato
8	71	-391	0	8	0	1	4								Tipo di acciaio non contemplato

1A	141	-1012	-5	14	0	-7	0		Tipo di acciaio non contemplato
1B	141	-1012	-3	14	0	-7	2		Tipo di acciaio non contemplato
1C	141	-1012	-5	-2	0	1	0		Tipo di acciaio non contemplato
1D	141	-1012	-3	-2	0	1	2		Tipo di acciaio non contemplato
1E	141	368	-5	14	0	-7	0		Tipo di acciaio non contemplato
1F	141	368	-3	14	0	-7	2		Tipo di acciaio non contemplato
1G	141	368	-5	-2	0	1	0		Tipo di acciaio non contemplato
1H	141	368	-3	-2	0	1	2		Tipo di acciaio non contemplato
1I	141	-627	-6	30	0	-16	0		Tipo di acciaio non contemplato
1J	141	-627	-2	30	0	-16	3		Tipo di acciaio non contemplato
1K	141	-627	-6	-18	0	10	0		Tipo di acciaio non contemplato
1L	141	-627	-2	-18	0	10	3		Tipo di acciaio non contemplato
1M	141	-17	-6	30	0	-16	0		Tipo di acciaio non contemplato
1N	141	-17	-2	30	0	-16	3		Tipo di acciaio non contemplato
1O	141	-17	-6	-18	0	10	0		Tipo di acciaio non contemplato
1P	141	-17	-2	-18	0	10	3		Tipo di acciaio non contemplato
2	141	-388	-5	8	0	-4	2		Tipo di acciaio non contemplato
7	141	-396	-5	7	0	-4	2		Tipo di acciaio non contemplato
8	141	-397	-5	8	0	-4	2		Tipo di acciaio non contemplato

ASTA NUM. 19 NI 962 NF 177 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	967	5	-3	0	-2	0								Tipo di acciaio non contemplato
1B	0	967	7	-3	0	-2	0								Tipo di acciaio non contemplato
1C	0	967	5	-18	0	-8	0								Tipo di acciaio non contemplato
1D	0	967	7	-18	0	-8	0								Tipo di acciaio non contemplato
1E	0	2579	5	-3	0	-2	0								Tipo di acciaio non contemplato
1F	0	2579	7	-3	0	-2	0								Tipo di acciaio non contemplato
1G	0	2579	5	-18	0	-8	0								Tipo di acciaio non contemplato
1H	0	2579	7	-18	0	-8	0								Tipo di acciaio non contemplato
1I	0	892	4	12	0	5	1								Tipo di acciaio non contemplato
1J	0	892	8	12	0	5	0								Tipo di acciaio non contemplato
1K	0	892	4	-33	0	-15	1								Tipo di acciaio non contemplato
1L	0	892	8	-33	0	-15	0								Tipo di acciaio non contemplato
1M	0	2654	4	12	0	5	1								Tipo di acciaio non contemplato
1N	0	2654	8	12	0	5	0								Tipo di acciaio non contemplato
1O	0	2654	4	-33	0	-15	1								Tipo di acciaio non contemplato
1P	0	2654	8	-33	0	-15	0								Tipo di acciaio non contemplato
2	0	2275	8	-14	0	-7	0								Tipo di acciaio non contemplato
7	0	2284	8	-13	0	-6	0								Tipo di acciaio non contemplato
8	0	2284	8	-14	0	-7	0								Tipo di acciaio non contemplato
1A	71	971	1	-3	0	0	3								Tipo di acciaio non contemplato
1B	71	971	2	-3	0	0	3								Tipo di acciaio non contemplato
1C	71	971	1	-18	0	4	3								Tipo di acciaio non contemplato
1D	71	971	2	-18	0	4	3								Tipo di acciaio non contemplato
1E	71	2584	1	-3	0	0	3								Tipo di acciaio non contemplato
1F	71	2584	2	-3	0	0	3								Tipo di acciaio non contemplato
1G	71	2584	1	-18	0	4	3								Tipo di acciaio non contemplato
1H	71	2584	2	-18	0	4	3								Tipo di acciaio non contemplato
1I	71	897	-1	12	0	-3	2								Tipo di acciaio non contemplato
1J	71	897	3	12	0	-3	3								Tipo di acciaio non contemplato
1K	71	897	-1	-33	0	8	2								Tipo di acciaio non contemplato
1L	71	897	3	-33	0	8	3								Tipo di acciaio non contemplato
1M	71	2658	-1	12	0	-3	2								Tipo di acciaio non contemplato
1N	71	2658	3	12	0	-3	3								Tipo di acciaio non contemplato
1O	71	2658	-1	-33	0	8	2								Tipo di acciaio non contemplato
1P	71	2658	3	-33	0	8	3								Tipo di acciaio non contemplato
2	71	2281	2	-14	0	3	4								Tipo di acciaio non contemplato
7	71	2290	2	-13	0	3	4								Tipo di acciaio non contemplato
8	71	2290	2	-14	0	3	4								Tipo di acciaio non contemplato
1A	141	976	-4	-3	0	2	2								Tipo di acciaio non contemplato
1B	141	976	-2	-3	0	2	3								Tipo di acciaio non contemplato
1C	141	976	-4	-18	0	17	2								Tipo di acciaio non contemplato
1D	141	976	-2	-18	0	17	3								Tipo di acciaio non contemplato
1E	141	2588	-4	-3	0	2	2								Tipo di acciaio non contemplato
1F	141	2588	-2	-3	0	2	3								Tipo di acciaio non contemplato
1G	141	2588	-4	-18	0	17	2								Tipo di acciaio non contemplato
1H	141	2588	-2	-18	0	17	3								Tipo di acciaio non contemplato
1I	141	901	-5	12	0	-12	0								Tipo di acciaio non contemplato
1J	141	901	-1	12	0	-12	4								Tipo di acciaio non contemplato
1K	141	901	-5	-33	0	32	0								Tipo di acciaio non contemplato
1L	141	901	-1	-33	0	32	4								Tipo di acciaio non contemplato
1M	141	2663	-5	12	0	-12	0								Tipo di acciaio non contemplato
1N	141	2663	-1	12	0	-12	4								Tipo di acciaio non contemplato
1O	141	2663	-5	-33	0	32	0								Tipo di acciaio non contemplato
1P	141	2663	-1	-33	0	32	4								Tipo di acciaio non contemplato
2	141	2287	-4	-14	0	13	3								Tipo di acciaio non contemplato
7	141	2296	-4	-13	0	13	3								Tipo di acciaio non contemplato
8	141	2296	-4	-14	0	13	3								Tipo di acciaio non contemplato

ASTA NUM. 20 NI 963 NF 438 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	2632	3	-1	0	0	0								Tipo di acciaio non contemplato
1B	0	2632	5	-1	0	0	0								Tipo di acciaio non contemplato
1C	0	2632	3	-13	0	-4	0								Tipo di acciaio non contemplato
1D	0	2632	5	-13	0	-4	0								Tipo di acciaio non contemplato
1E	0	4794	3	-1	0	0	0								Tipo di acciaio non contemplato
1F	0	4794	5	-1	0	0	0								Tipo di acciaio non contemplato
1G	0	4794	3	-13	0	-4	0								Tipo di acciaio non contemplato
1H	0	4794	5	-13	0	-4	0								Tipo di acciaio non contemplato
1I	0	2130	3	11	0	5	1								Tipo di acciaio non contemplato
1J	0	2130	5	11	0	5	0								Tipo di acciaio non contemplato
1K	0	2130	3	-25	0	-8	1								Tipo di acciaio non contemplato
1L	0	2130	5	-25	0	-8	0								Tipo di acciaio non contemplato
1M	0	5296	3	11	0	5	1								Tipo di acciaio non contemplato
1N	0	5296	5	11	0	5	0								Tipo di acciaio non contemplato
1O	0	5296	3	-25	0	-8	1								Tipo di acciaio non contemplato
1P	0	5296	5	-25	0	-8	0								Tipo di acciaio non contemplato
2	0	4783	5	-10	0	-2	0								Tipo di acciaio non contemplato
7	0	4802	5	-9	0	-2	1								Tipo di acciaio non contemplato
8	0	4795	5	-9	0	-2	0								Tipo di acciaio non contemplato
1A	71	2636	-1	-1	0	1	2								Tipo di acciaio non contemplato
1B	71	2636	0	-1	0	1	2								Tipo di acciaio non contemplato
1C	71	2636	-1	-13	0	6	2								Tipo di acciaio non contemplato
1D	71	2636	0	-13	0	6	2								Tipo di acciaio non contemplato
1E	71	4798	-1	-1	0	1	2								Tipo di acciaio non contemplato
1F	71	4798	0	-1	0	1	2								Tipo di acciaio non contemplato
1G	71	4798	-1	-13	0	6	2								Tipo di acciaio non contemplato
1H	71	4798	0	-13	0	6	2								Tipo di acciaio non contemplato
1I	71	2134	-2	11	0	-3	2								Tipo di acciaio non contemplato
1J	71	2134	1	11	0	-3	2								Tipo di acciaio non contemplato
1K	71	2134	-2	-25	0	10	2								Tipo di acciaio non contemplato
1L	71	2134	1	-25	0	10	2								Tipo di acciaio non contemplato
1M	71	5300	-2	11	0	-3	2								Tipo di acciaio non contemplato
1N	71	5300	1	11	0	-3	2								Tipo di acciaio non contemplato
1O	71	5300	-2	-25	0	10	2								Tipo di acciaio non contemplato
1P	71	5300	1	-25	0	10	2								Tipo di acciaio non contemplato
2	71	4789	-1	-10	0	5	2								Tipo di acciaio non contemplato
7	71	4808	-1	-9	0	4	2								Tipo di acciaio non contemplato
8	71	4800	-1	-9	0	5	2								Tipo di acciaio non contemplato
1A	141	2640	-6	-1	0	1	0								Tipo di acciaio non contemplato
1B	141	2640	-4	-1	0	1	0								Tipo di acciaio non contemplato
1C	141	2640	-6	-13	0	15	0								Tipo di acciaio non contemplato
1D	141	2640	-4	-13	0	15	0								Tipo di acciaio non contemplato
1E	141	4802	-6	-1	0	1	0								Tipo di acciaio non contemplato
1F	141	4802	-4	-1	0	1	0								Tipo di acciaio non contemplato
1G	141	4802	-6	-13	0	15	0								Tipo di acciaio non contemplato
1H	141	4802	-4	-13	0	15	0								Tipo di acciaio non contemplato
1I	141	2138	-6	11	0	-11	-1								Tipo di acciaio non contemplato
1J	141	2138	-4	11	0	-11	1								Tipo di acciaio non contemplato
1K	141	2138	-6	-25	0	28	-1								Tipo di acciaio non contemplato
1L	141	2138	-4	-25	0	28	1								Tipo di acciaio non contemplato
1M	141	5304	-6	11	0	-11	-1								Tipo di acciaio non contemplato
1N	141	5304	-4	11	0	-11	1								Tipo di acciaio non contemplato
1O	141	5304	-6	-25	0	28	-1								Tipo di acciaio non contemplato
1P	141	5304	-4	-25	0	28	1								Tipo di acciaio non contemplato
2	141	4795	-7	-10	0	11	0								Tipo di acciaio non contemplato
7	141	4813	-7	-9	0	11	0								Tipo di acciaio non contemplato
8	141	4806	-7	-9	0	11	0								Tipo di acciaio non contemplato

ASTA NUM. 21 NI 177 NF 963 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2311	4	17	0	13	0								Tipo di acciaio non contemplato
1B	0	-2311	6	17	0	13	-1								Tipo di acciaio non contemplato
1C	0	-2311	4	3	0	2	0								Tipo di acciaio non contemplato
1D	0	-2311	6	3	0	2	-1								Tipo di acciaio non contemplato
1E	0	-803	4	17	0	13	0								Tipo di acciaio non contemplato
1F	0	-803	6	17	0	13	-1								Tipo di acciaio non contemplato
1G	0	-803	4	3	0	2	0								Tipo di acciaio non contemplato
1H	0	-803	6	3	0	2	-1								Tipo di acciaio non contemplato
1I	0	-2384	3	32	0	24	1								Tipo di acciaio non contemplato
1J	0	-2384	8	32	0	24	-2								Tipo di acciaio non contemplato
1K	0	-2384	3	-11	0	-9	1								Tipo di acciaio non contemplato
1L	0	-2384	8	-11	0	-9	-2								Tipo di acciaio non contemplato
1M	0	-730	3	32	0	24	1								Tipo di acciaio non contemplato
1N	0	-730	8	32	0	24	-2								Tipo di acciaio non contemplato
1O	0	-730	3	-11	0	-9	1								Tipo di acciaio non contemplato
1P	0	-730	8	-11	0	-9	-2								Tipo di acciaio non contemplato
2	0	-1991	7	14	0	10	0								Tipo di acciaio non contemplato
7	0	-2004	7	13	0	10	0								Tipo di acciaio non contemplato
8	0	-2000	7	14	0	10	0								Tipo di acciaio non contemplato
1A	71	-2316	-0	17	0	0	2								Tipo di acciaio non contemplato
1B	71	-2316	2	17	0	0	2								Tipo di acciaio non contemplato

1C	71	-2316	-0	3	0	0	2	Tipo di acciaio non contemplato
1D	71	-2316	2	3	0	0	2	Tipo di acciaio non contemplato
1E	71	-807	-0	17	0	0	2	Tipo di acciaio non contemplato
1F	71	-807	2	17	0	0	2	Tipo di acciaio non contemplato
1G	71	-807	-0	3	0	0	2	Tipo di acciaio non contemplato
1H	71	-807	2	3	0	0	2	Tipo di acciaio non contemplato
1I	71	-2388	-1	32	0	1	2	Tipo di acciaio non contemplato
1J	71	-2388	3	32	0	1	2	Tipo di acciaio non contemplato
1K	71	-2388	-1	-11	0	0	2	Tipo di acciaio non contemplato
1L	71	-2388	3	-11	0	0	2	Tipo di acciaio non contemplato
1M	71	-735	-1	32	0	1	2	Tipo di acciaio non contemplato
1N	71	-735	3	32	0	1	2	Tipo di acciaio non contemplato
1O	71	-735	-1	-11	0	0	2	Tipo di acciaio non contemplato
1P	71	-735	3	-11	0	0	2	Tipo di acciaio non contemplato
2	71	-1996	1	14	0	0	2	Tipo di acciaio non contemplato
7	71	-2010	1	13	0	0	2	Tipo di acciaio non contemplato
8	71	-2006	1	14	0	0	2	Tipo di acciaio non contemplato
1A	141	-2320	-4	17	0	-12	0	Tipo di acciaio non contemplato
1B	141	-2320	-2	17	0	-12	1	Tipo di acciaio non contemplato
1C	141	-2320	-4	3	0	-2	0	Tipo di acciaio non contemplato
1D	141	-2320	-2	3	0	-2	1	Tipo di acciaio non contemplato
1E	141	-812	-4	17	0	-12	0	Tipo di acciaio non contemplato
1F	141	-812	-2	17	0	-12	1	Tipo di acciaio non contemplato
1G	141	-812	-4	3	0	-2	0	Tipo di acciaio non contemplato
1H	141	-812	-2	3	0	-2	1	Tipo di acciaio non contemplato
1I	141	-2393	-6	32	0	-21	0	Tipo di acciaio non contemplato
1J	141	-2393	-1	32	0	-21	2	Tipo di acciaio non contemplato
1K	141	-2393	-6	-11	0	7	0	Tipo di acciaio non contemplato
1L	141	-2393	-1	-11	0	7	2	Tipo di acciaio non contemplato
1M	141	-739	-6	32	0	-21	0	Tipo di acciaio non contemplato
1N	141	-739	-1	32	0	-21	2	Tipo di acciaio non contemplato
1O	141	-739	-6	-11	0	7	0	Tipo di acciaio non contemplato
1P	141	-739	-1	-11	0	7	2	Tipo di acciaio non contemplato
2	141	-2002	-4	14	0	-9	1	Tipo di acciaio non contemplato
7	141	-2015	-4	13	0	-9	1	Tipo di acciaio non contemplato
8	141	-2011	-4	14	0	-9	1	Tipo di acciaio non contemplato

ASTA NUM. 22 NI 438 NF 964 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-6287	7	12	0	9	2								Tipo di acciaio non contemplato
1B	0	-6287	11	12	0	9	0								Tipo di acciaio non contemplato
1C	0	-6287	7	0	0	1	2								Tipo di acciaio non contemplato
1D	0	-6287	11	0	0	1	0								Tipo di acciaio non contemplato
1E	0	-3667	7	12	0	9	2								Tipo di acciaio non contemplato
1F	0	-3667	11	12	0	9	0								Tipo di acciaio non contemplato
1G	0	-3667	7	0	0	1	2								Tipo di acciaio non contemplato
1H	0	-3667	11	0	0	1	0								Tipo di acciaio non contemplato
1I	0	-7017	7	22	0	16	1								Tipo di acciaio non contemplato
1J	0	-7017	11	22	0	16	0								Tipo di acciaio non contemplato
1K	0	-7017	7	-10	0	-5	1								Tipo di acciaio non contemplato
1L	0	-7017	11	-10	0	-5	0								Tipo di acciaio non contemplato
1M	0	-2937	7	22	0	16	1								Tipo di acciaio non contemplato
1N	0	-2937	11	22	0	16	0								Tipo di acciaio non contemplato
1O	0	-2937	7	-10	0	-5	1								Tipo di acciaio non contemplato
1P	0	-2937	11	-10	0	-5	0								Tipo di acciaio non contemplato
2	0	-6415	12	8	0	7	1								Tipo di acciaio non contemplato
7	0	-6444	12	7	0	7	1								Tipo di acciaio non contemplato
8	0	-6429	12	8	0	7	1								Tipo di acciaio non contemplato
1A	71	-6291	3	12	0	0	5								Tipo di acciaio non contemplato
1B	71	-6291	7	12	0	0	7								Tipo di acciaio non contemplato
1C	71	-6291	3	0	0	1	5								Tipo di acciaio non contemplato
1D	71	-6291	7	0	0	1	7								Tipo di acciaio non contemplato
1E	71	-3671	3	12	0	0	5								Tipo di acciaio non contemplato
1F	71	-3671	7	12	0	0	7								Tipo di acciaio non contemplato
1G	71	-3671	3	0	0	1	5								Tipo di acciaio non contemplato
1H	71	-3671	7	0	0	1	7								Tipo di acciaio non contemplato
1I	71	-7021	3	22	0	0	4								Tipo di acciaio non contemplato
1J	71	-7021	7	22	0	0	7								Tipo di acciaio non contemplato
1K	71	-7021	3	-10	0	2	4								Tipo di acciaio non contemplato
1L	71	-7021	7	-10	0	2	7								Tipo di acciaio non contemplato
1M	71	-2941	3	22	0	0	4								Tipo di acciaio non contemplato
1N	71	-2941	7	22	0	0	7								Tipo di acciaio non contemplato
1O	71	-2941	3	-10	0	2	4								Tipo di acciaio non contemplato
1P	71	-2941	7	-10	0	2	7								Tipo di acciaio non contemplato
2	71	-6421	6	8	0	2	7								Tipo di acciaio non contemplato
7	71	-6450	6	7	0	1	7								Tipo di acciaio non contemplato
8	71	-6434	6	8	0	1	7								Tipo di acciaio non contemplato
1A	141	-6295	-2	12	0	-8	5								Tipo di acciaio non contemplato
1B	141	-6295	2	12	0	-8	10								Tipo di acciaio non contemplato
1C	141	-6295	-2	0	0	1	5								Tipo di acciaio non contemplato
1D	141	-6295	2	0	0	1	10								Tipo di acciaio non contemplato
1E	141	-3675	-2	12	0	-8	5								Tipo di acciaio non contemplato
1F	141	-3675	2	12	0	-8	10								Tipo di acciaio non contemplato
1G	141	-3675	-2	0	0	1	5								Tipo di acciaio non contemplato
1H	141	-3675	2	0	0	1	10								Tipo di acciaio non contemplato
1I	141	-7025	-2	22	0	-16	4								Tipo di acciaio non contemplato

1J	141	-7025	3	22	0	-16	11							Tipo di acciaio non contemplato
1K	141	-7025	-2	-10	0	10	4							Tipo di acciaio non contemplato
1L	141	-7025	3	-10	0	10	11							Tipo di acciaio non contemplato
1M	141	-2945	-2	22	0	-16	4							Tipo di acciaio non contemplato
1N	141	-2945	3	22	0	-16	11							Tipo di acciaio non contemplato
1O	141	-2945	-2	-10	0	10	4							Tipo di acciaio non contemplato
1P	141	-2945	3	-10	0	10	11							Tipo di acciaio non contemplato
2	141	-6427	0	8	0	-4	10							Tipo di acciaio non contemplato
7	141	-6455	1	7	0	-4	10							Tipo di acciaio non contemplato
8	141	-6440	0	8	0	-4	10							Tipo di acciaio non contemplato

ASTA NUM. 23 NI 964 NF 603 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	4013	16	-5	0	-2	-6								Tipo di acciaio non contemplato
1B	0	4013	22	-5	0	-2	-11								Tipo di acciaio non contemplato
1C	0	4013	16	-13	0	-5	-6								Tipo di acciaio non contemplato
1D	0	4013	22	-13	0	-5	-11								Tipo di acciaio non contemplato
1E	0	5111	16	-5	0	-2	-6								Tipo di acciaio non contemplato
1F	0	5111	22	-5	0	-2	-11								Tipo di acciaio non contemplato
1G	0	5111	16	-13	0	-5	-6								Tipo di acciaio non contemplato
1H	0	5111	22	-13	0	-5	-11								Tipo di acciaio non contemplato
1I	0	3015	14	1	0	0	-5								Tipo di acciaio non contemplato
1J	0	3015	24	1	0	0	-12								Tipo di acciaio non contemplato
1K	0	3015	14	-19	0	-6	-5								Tipo di acciaio non contemplato
1L	0	3015	24	-19	0	-6	-12								Tipo di acciaio non contemplato
1M	0	6109	14	1	0	0	-5								Tipo di acciaio non contemplato
1N	0	6109	24	1	0	0	-12								Tipo di acciaio non contemplato
1O	0	6109	14	-19	0	-6	-5								Tipo di acciaio non contemplato
1P	0	6109	24	-19	0	-6	-12								Tipo di acciaio non contemplato
2	0	5908	25	-13	0	-5	-11								Tipo di acciaio non contemplato
7	0	5921	25	-12	0	-5	-11								Tipo di acciaio non contemplato
8	0	5913	25	-13	0	-5	-11								Tipo di acciaio non contemplato
1A	71	4018	12	-5	0	2	4								Tipo di acciaio non contemplato
1B	71	4018	18	-5	0	2	3								Tipo di acciaio non contemplato
1C	71	4018	12	-13	0	4	4								Tipo di acciaio non contemplato
1D	71	4018	18	-13	0	4	3								Tipo di acciaio non contemplato
1E	71	5115	12	-5	0	2	4								Tipo di acciaio non contemplato
1F	71	5115	18	-5	0	2	3								Tipo di acciaio non contemplato
1G	71	5115	12	-13	0	4	4								Tipo di acciaio non contemplato
1H	71	5115	18	-13	0	4	3								Tipo di acciaio non contemplato
1I	71	3020	9	1	0	-2	3								Tipo di acciaio non contemplato
1J	71	3020	20	1	0	-2	4								Tipo di acciaio non contemplato
1K	71	3020	9	-19	0	8	3								Tipo di acciaio non contemplato
1L	71	3020	20	-19	0	8	4								Tipo di acciaio non contemplato
1M	71	6113	9	1	0	-2	3								Tipo di acciaio non contemplato
1N	71	6113	20	1	0	-2	4								Tipo di acciaio non contemplato
1O	71	6113	9	-19	0	8	3								Tipo di acciaio non contemplato
1P	71	6113	20	-19	0	8	4								Tipo di acciaio non contemplato
2	71	5914	19	-13	0	4	4								Tipo di acciaio non contemplato
7	71	5926	19	-12	0	4	4								Tipo di acciaio non contemplato
8	71	5919	19	-13	0	4	4								Tipo di acciaio non contemplato
1A	141	4022	7	-5	0	5	11								Tipo di acciaio non contemplato
1B	141	4022	13	-5	0	5	14								Tipo di acciaio non contemplato
1C	141	4022	7	-13	0	14	11								Tipo di acciaio non contemplato
1D	141	4022	13	-13	0	14	14								Tipo di acciaio non contemplato
1E	141	5120	7	-5	0	5	11								Tipo di acciaio non contemplato
1F	141	5120	13	-5	0	5	14								Tipo di acciaio non contemplato
1G	141	5120	7	-13	0	14	11								Tipo di acciaio non contemplato
1H	141	5120	13	-13	0	14	14								Tipo di acciaio non contemplato
1I	141	3024	5	1	0	-3	8								Tipo di acciaio non contemplato
1J	141	3024	16	1	0	-3	16								Tipo di acciaio non contemplato
1K	141	3024	5	-19	0	23	8								Tipo di acciaio non contemplato
1L	141	3024	16	-19	0	23	16								Tipo di acciaio non contemplato
1M	141	6118	5	1	0	-3	8								Tipo di acciaio non contemplato
1N	141	6118	16	1	0	-3	16								Tipo di acciaio non contemplato
1O	141	6118	5	-19	0	23	8								Tipo di acciaio non contemplato
1P	141	6118	16	-19	0	23	16								Tipo di acciaio non contemplato
2	141	5920	13	-13	0	13	16								Tipo di acciaio non contemplato
7	141	5932	13	-12	0	12	16								Tipo di acciaio non contemplato
8	141	5925	13	-13	0	13	16								Tipo di acciaio non contemplato

ASTA NUM. 24 NI 604 NF 872 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2476	9	1	0	3	0								Tipo di acciaio non contemplato
1B	0	-2476	10	1	0	3	-2								Tipo di acciaio non contemplato
1C	0	-2476	9	-1	0	-1	0								Tipo di acciaio non contemplato
1D	0	-2476	10	-1	0	-1	-2								Tipo di acciaio non contemplato
1E	0	521	9	1	0	3	0								Tipo di acciaio non contemplato

1F	0	521	10	1	0	3	-2	Tipo di acciaio non contemplato
1G	0	521	9	-1	0	-1	0	Tipo di acciaio non contemplato
1H	0	521	10	-1	0	-1	-2	Tipo di acciaio non contemplato
1I	0	-3423	9	1	0	3	0	Tipo di acciaio non contemplato
1J	0	-3423	10	1	0	3	-3	Tipo di acciaio non contemplato
1K	0	-3423	9	-1	0	-2	0	Tipo di acciaio non contemplato
1L	0	-3423	10	-1	0	-2	-3	Tipo di acciaio non contemplato
1M	0	1468	9	1	0	3	0	Tipo di acciaio non contemplato
1N	0	1468	10	1	0	3	-3	Tipo di acciaio non contemplato
1O	0	1468	9	-1	0	-2	0	Tipo di acciaio non contemplato
1P	0	1468	10	-1	0	-2	-3	Tipo di acciaio non contemplato
2	0	-1252	12	-0	0	0	-2	Tipo di acciaio non contemplato
7	0	-1214	12	-0	0	0	-2	Tipo di acciaio non contemplato
8	0	-1267	12	-0	0	0	-2	Tipo di acciaio non contemplato
1A	103	-2476	-0	1	0	2	4	Tipo di acciaio non contemplato
1B	103	-2476	1	1	0	2	4	Tipo di acciaio non contemplato
1C	103	-2476	-0	-1	0	0	4	Tipo di acciaio non contemplato
1D	103	-2476	1	-1	0	0	4	Tipo di acciaio non contemplato
1E	103	521	-0	1	0	2	4	Tipo di acciaio non contemplato
1F	103	521	1	1	0	2	4	Tipo di acciaio non contemplato
1G	103	521	-0	-1	0	0	4	Tipo di acciaio non contemplato
1H	103	521	1	-1	0	0	4	Tipo di acciaio non contemplato
1I	103	-3423	-0	1	0	2	4	Tipo di acciaio non contemplato
1J	103	-3423	1	1	0	2	4	Tipo di acciaio non contemplato
1K	103	-3423	-0	-1	0	0	4	Tipo di acciaio non contemplato
1L	103	-3423	1	-1	0	0	4	Tipo di acciaio non contemplato
1M	103	1468	-0	1	0	2	4	Tipo di acciaio non contemplato
1N	103	1468	1	1	0	2	4	Tipo di acciaio non contemplato
1O	103	1468	-0	-1	0	0	4	Tipo di acciaio non contemplato
1P	103	1468	1	-1	0	0	4	Tipo di acciaio non contemplato
2	103	-1252	1	-0	0	0	5	Tipo di acciaio non contemplato
7	103	-1214	1	-0	0	0	5	Tipo di acciaio non contemplato
8	103	-1267	1	-0	0	0	5	Tipo di acciaio non contemplato
1A	206	-2476	-9	1	0	1	-1	Tipo di acciaio non contemplato
1B	206	-2476	-8	1	0	1	0	Tipo di acciaio non contemplato
1C	206	-2476	-9	-1	0	0	-1	Tipo di acciaio non contemplato
1D	206	-2476	-8	-1	0	0	0	Tipo di acciaio non contemplato
1E	206	521	-9	1	0	1	-1	Tipo di acciaio non contemplato
1F	206	521	-8	1	0	1	0	Tipo di acciaio non contemplato
1G	206	521	-9	-1	0	0	-1	Tipo di acciaio non contemplato
1H	206	521	-8	-1	0	0	0	Tipo di acciaio non contemplato
1I	206	-3423	-9	1	0	1	-2	Tipo di acciaio non contemplato
1J	206	-3423	-8	1	0	1	0	Tipo di acciaio non contemplato
1K	206	-3423	-9	-1	0	0	-2	Tipo di acciaio non contemplato
1L	206	-3423	-8	-1	0	0	0	Tipo di acciaio non contemplato
1M	206	1468	-9	1	0	1	-2	Tipo di acciaio non contemplato
1N	206	1468	-8	1	0	1	0	Tipo di acciaio non contemplato
1O	206	1468	-9	-1	0	0	-2	Tipo di acciaio non contemplato
1P	206	1468	-8	-1	0	0	0	Tipo di acciaio non contemplato
2	206	-1252	-11	-0	0	1	0	Tipo di acciaio non contemplato
7	206	-1214	-11	-0	0	1	0	Tipo di acciaio non contemplato
8	206	-1267	-11	-0	0	1	0	Tipo di acciaio non contemplato

ASTA NUM. 25 NI 872 NF 955 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1499	9	1	0	0	1								Tipo di acciaio non contemplato
1B	0	-1499	10	1	0	0	-1								Tipo di acciaio non contemplato
1C	0	-1499	9	0	0	-1	1								Tipo di acciaio non contemplato
1D	0	-1499	10	0	0	-1	-1								Tipo di acciaio non contemplato
1E	0	1819	9	1	0	0	1								Tipo di acciaio non contemplato
1F	0	1819	10	1	0	0	-1								Tipo di acciaio non contemplato
1G	0	1819	9	0	0	-1	1								Tipo di acciaio non contemplato
1H	0	1819	10	0	0	-1	-1								Tipo di acciaio non contemplato
1I	0	-2523	8	1	0	2	2								Tipo di acciaio non contemplato
1J	0	-2523	11	1	0	2	-2								Tipo di acciaio non contemplato
1K	0	-2523	8	0	0	-3	2								Tipo di acciaio non contemplato
1L	0	-2523	11	0	0	-3	-2								Tipo di acciaio non contemplato
1M	0	2843	8	1	0	2	2								Tipo di acciaio non contemplato
1N	0	2843	11	1	0	2	-2								Tipo di acciaio non contemplato
1O	0	2843	8	0	0	-3	2								Tipo di acciaio non contemplato
1P	0	2843	11	0	0	-3	-2								Tipo di acciaio non contemplato
2	0	275	12	1	0	0	0								Tipo di acciaio non contemplato
7	0	214	12	1	0	0	0								Tipo di acciaio non contemplato
8	0	266	12	1	0	0	0								Tipo di acciaio non contemplato
1A	103	-1499	-0	1	0	0	5								Tipo di acciaio non contemplato
1B	103	-1499	1	1	0	0	5								Tipo di acciaio non contemplato
1C	103	-1499	-0	0	0	-2	5								Tipo di acciaio non contemplato
1D	103	-1499	1	0	0	-2	5								Tipo di acciaio non contemplato
1E	103	1819	-0	1	0	0	5								Tipo di acciaio non contemplato
1F	103	1819	1	1	0	0	5								Tipo di acciaio non contemplato
1G	103	1819	-0	0	0	-2	5								Tipo di acciaio non contemplato
1H	103	1819	1	0	0	-2	5								Tipo di acciaio non contemplato
1I	103	-2523	-1	1	0	0	5								Tipo di acciaio non contemplato
1J	103	-2523	2	1	0	0	6								Tipo di acciaio non contemplato
1K	103	-2523	-1	0	0	-3	5								Tipo di acciaio non contemplato
1L	103	-2523	2	0	0	-3	6								Tipo di acciaio non contemplato

1M	103	2843	-1	1	0	0	5	Tipo di acciaio non contemplato
1N	103	2843	2	1	0	0	6	Tipo di acciaio non contemplato
1O	103	2843	-1	0	0	-3	5	Tipo di acciaio non contemplato
1P	103	2843	2	0	0	-3	6	Tipo di acciaio non contemplato
2	103	275	0	1	0	-1	7	Tipo di acciaio non contemplato
7	103	214	0	1	0	-1	7	Tipo di acciaio non contemplato
8	103	266	0	1	0	-1	7	Tipo di acciaio non contemplato
1A	206	-1499	-9	1	0	-1	0	Tipo di acciaio non contemplato
1B	206	-1499	-8	1	0	-1	2	Tipo di acciaio non contemplato
1C	206	-1499	-9	0	0	-2	0	Tipo di acciaio non contemplato
1D	206	-1499	-8	0	0	-2	2	Tipo di acciaio non contemplato
1E	206	1819	-9	1	0	-1	0	Tipo di acciaio non contemplato
1F	206	1819	-8	1	0	-1	2	Tipo di acciaio non contemplato
1G	206	1819	-9	0	0	-2	0	Tipo di acciaio non contemplato
1H	206	1819	-8	0	0	-2	2	Tipo di acciaio non contemplato
1I	206	-2523	-10	1	0	0	-1	Tipo di acciaio non contemplato
1J	206	-2523	-7	1	0	0	3	Tipo di acciaio non contemplato
1K	206	-2523	-10	0	0	-3	-1	Tipo di acciaio non contemplato
1L	206	-2523	-7	0	0	-3	3	Tipo di acciaio non contemplato
1M	206	2843	-10	1	0	0	-1	Tipo di acciaio non contemplato
1N	206	2843	-7	1	0	0	3	Tipo di acciaio non contemplato
1O	206	2843	-10	0	0	-3	-1	Tipo di acciaio non contemplato
1P	206	2843	-7	0	0	-3	3	Tipo di acciaio non contemplato
2	206	275	-11	1	0	-2	1	Tipo di acciaio non contemplato
7	206	214	-11	1	0	-2	1	Tipo di acciaio non contemplato
8	206	266	-11	1	0	-2	1	Tipo di acciaio non contemplato

ASTA NUM. 26 NI 955 NF 876 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2891	8	-1	0	0	3								Tipo di acciaio non contemplato
1B	0	-2891	9	-1	0	0	1								Tipo di acciaio non contemplato
1C	0	-2891	8	-1	0	-2	3								Tipo di acciaio non contemplato
1D	0	-2891	9	-1	0	-2	1								Tipo di acciaio non contemplato
1E	0	-765	8	-1	0	0	3								Tipo di acciaio non contemplato
1F	0	-765	9	-1	0	0	1								Tipo di acciaio non contemplato
1G	0	-765	8	-1	0	-2	3								Tipo di acciaio non contemplato
1H	0	-765	9	-1	0	-2	1								Tipo di acciaio non contemplato
1I	0	-3168	7	-1	0	0	4								Tipo di acciaio non contemplato
1J	0	-3168	10	-1	0	0	0								Tipo di acciaio non contemplato
1K	0	-3168	7	-2	0	-3	4								Tipo di acciaio non contemplato
1L	0	-3168	10	-2	0	-3	0								Tipo di acciaio non contemplato
1M	0	-488	7	-1	0	0	4								Tipo di acciaio non contemplato
1N	0	-488	10	-1	0	0	0								Tipo di acciaio non contemplato
1O	0	-488	7	-2	0	-3	4								Tipo di acciaio non contemplato
1P	0	-488	10	-2	0	-3	0								Tipo di acciaio non contemplato
2	0	-2455	11	-2	0	-2	2								Tipo di acciaio non contemplato
7	0	-2442	11	-2	0	-2	2								Tipo di acciaio non contemplato
8	0	-2429	11	-2	0	-2	2								Tipo di acciaio non contemplato
1A	103	-2891	-1	-1	0	0	6								Tipo di acciaio non contemplato
1B	103	-2891	0	-1	0	0	6								Tipo di acciaio non contemplato
1C	103	-2891	-1	-1	0	-1	6								Tipo di acciaio non contemplato
1D	103	-2891	0	-1	0	-1	6								Tipo di acciaio non contemplato
1E	103	-765	-1	-1	0	0	6								Tipo di acciaio non contemplato
1F	103	-765	0	-1	0	0	6								Tipo di acciaio non contemplato
1G	103	-765	-1	-1	0	-1	6								Tipo di acciaio non contemplato
1H	103	-765	0	-1	0	-1	6								Tipo di acciaio non contemplato
1I	103	-3168	-2	-1	0	2	6								Tipo di acciaio non contemplato
1J	103	-3168	1	-1	0	2	6								Tipo di acciaio non contemplato
1K	103	-3168	-2	-2	0	-2	6								Tipo di acciaio non contemplato
1L	103	-3168	1	-2	0	-2	6								Tipo di acciaio non contemplato
1M	103	-488	-2	-1	0	2	6								Tipo di acciaio non contemplato
1N	103	-488	1	-1	0	2	6								Tipo di acciaio non contemplato
1O	103	-488	-2	-2	0	-2	6								Tipo di acciaio non contemplato
1P	103	-488	1	-2	0	-2	6								Tipo di acciaio non contemplato
2	103	-2455	-1	-2	0	0	8								Tipo di acciaio non contemplato
7	103	-2442	-1	-2	0	0	8								Tipo di acciaio non contemplato
8	103	-2429	-1	-2	0	0	8								Tipo di acciaio non contemplato
1A	206	-2891	-10	-1	0	2	0								Tipo di acciaio non contemplato
1B	206	-2891	-9	-1	0	2	1								Tipo di acciaio non contemplato
1C	206	-2891	-10	-1	0	0	0								Tipo di acciaio non contemplato
1D	206	-2891	-9	-1	0	0	1								Tipo di acciaio non contemplato
1E	206	-765	-10	-1	0	2	0								Tipo di acciaio non contemplato
1F	206	-765	-9	-1	0	2	1								Tipo di acciaio non contemplato
1G	206	-765	-10	-1	0	0	0								Tipo di acciaio non contemplato
1H	206	-765	-9	-1	0	0	1								Tipo di acciaio non contemplato
1I	206	-3168	-12	-1	0	3	-1								Tipo di acciaio non contemplato
1J	206	-3168	-8	-1	0	3	3								Tipo di acciaio non contemplato
1K	206	-3168	-12	-2	0	-1	-1								Tipo di acciaio non contemplato
1L	206	-3168	-8	-2	0	-1	3								Tipo di acciaio non contemplato
1M	206	-488	-12	-1	0	3	-1								Tipo di acciaio non contemplato
1N	206	-488	-8	-1	0	3	3								Tipo di acciaio non contemplato
1O	206	-488	-12	-2	0	-1	-1								Tipo di acciaio non contemplato
1P	206	-488	-8	-2	0	-1	3								Tipo di acciaio non contemplato
2	206	-2455	-13	-2	0	1	0								Tipo di acciaio non contemplato
7	206	-2442	-13	-2	0	1	0								Tipo di acciaio non contemplato
8	206	-2429	-13	-2	0	1	0								Tipo di acciaio non contemplato

ASTA NUM. 27 NI 876 NF 357 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1961	9	2	0	1	0								Tipo di acciaio non contemplato
1B	0	-1961	10	2	0	1	0								Tipo di acciaio non contemplato
1C	0	-1961	9	1	0	0	0								Tipo di acciaio non contemplato
1D	0	-1961	10	1	0	0	0								Tipo di acciaio non contemplato
1E	0	-75	9	2	0	1	0								Tipo di acciaio non contemplato
1F	0	-75	10	2	0	1	0								Tipo di acciaio non contemplato
1G	0	-75	9	1	0	0	0								Tipo di acciaio non contemplato
1H	0	-75	10	1	0	0	0								Tipo di acciaio non contemplato
1I	0	-1732	8	2	0	3	2								Tipo di acciaio non contemplato
1J	0	-1732	12	2	0	3	-1								Tipo di acciaio non contemplato
1K	0	-1732	8	1	0	-2	2								Tipo di acciaio non contemplato
1L	0	-1732	12	1	0	-2	-1								Tipo di acciaio non contemplato
1M	0	-304	8	2	0	3	2								Tipo di acciaio non contemplato
1N	0	-304	12	2	0	3	-1								Tipo di acciaio non contemplato
1O	0	-304	8	1	0	-2	2								Tipo di acciaio non contemplato
1P	0	-304	12	1	0	-2	-1								Tipo di acciaio non contemplato
2	0	-1257	13	2	0	0	0								Tipo di acciaio non contemplato
7	0	-1290	13	2	0	0	0								Tipo di acciaio non contemplato
8	0	-1271	13	2	0	0	0								Tipo di acciaio non contemplato
1A	103	-1961	0	2	0	0	6								Tipo di acciaio non contemplato
1B	103	-1961	1	2	0	0	6								Tipo di acciaio non contemplato
1C	103	-1961	0	1	0	-2	6								Tipo di acciaio non contemplato
1D	103	-1961	1	1	0	-2	6								Tipo di acciaio non contemplato
1E	103	-75	0	2	0	0	6								Tipo di acciaio non contemplato
1F	103	-75	1	2	0	0	6								Tipo di acciaio non contemplato
1G	103	-75	0	1	0	-2	6								Tipo di acciaio non contemplato
1H	103	-75	1	1	0	-2	6								Tipo di acciaio non contemplato
1I	103	-1732	-1	2	0	2	5								Tipo di acciaio non contemplato
1J	103	-1732	3	2	0	2	6								Tipo di acciaio non contemplato
1K	103	-1732	-1	1	0	-3	5								Tipo di acciaio non contemplato
1L	103	-1732	3	1	0	-3	6								Tipo di acciaio non contemplato
1M	103	-304	-1	2	0	2	5								Tipo di acciaio non contemplato
1N	103	-304	3	2	0	2	6								Tipo di acciaio non contemplato
1O	103	-304	-1	1	0	-3	5								Tipo di acciaio non contemplato
1P	103	-304	3	1	0	-3	6								Tipo di acciaio non contemplato
2	103	-1257	1	2	0	-1	7								Tipo di acciaio non contemplato
7	103	-1290	1	2	0	-1	7								Tipo di acciaio non contemplato
8	103	-1271	1	2	0	-1	7								Tipo di acciaio non contemplato
1A	206	-1961	-9	2	0	-1	0								Tipo di acciaio non contemplato
1B	206	-1961	-8	2	0	-1	3								Tipo di acciaio non contemplato
1C	206	-1961	-9	1	0	-3	0								Tipo di acciaio non contemplato
1D	206	-1961	-8	1	0	-3	3								Tipo di acciaio non contemplato
1E	206	-75	-9	2	0	-1	0								Tipo di acciaio non contemplato
1F	206	-75	-8	2	0	-1	3								Tipo di acciaio non contemplato
1G	206	-75	-9	1	0	-3	0								Tipo di acciaio non contemplato
1H	206	-75	-8	1	0	-3	3								Tipo di acciaio non contemplato
1I	206	-1732	-10	2	0	0	-1								Tipo di acciaio non contemplato
1J	206	-1732	-6	2	0	0	5								Tipo di acciaio non contemplato
1K	206	-1732	-10	1	0	-5	-1								Tipo di acciaio non contemplato
1L	206	-1732	-6	1	0	-5	5								Tipo di acciaio non contemplato
1M	206	-304	-10	2	0	0	-1								Tipo di acciaio non contemplato
1N	206	-304	-6	2	0	0	5								Tipo di acciaio non contemplato
1O	206	-304	-10	1	0	-5	-1								Tipo di acciaio non contemplato
1P	206	-304	-6	1	0	-5	5								Tipo di acciaio non contemplato
2	206	-1257	-11	2	0	-3	2								Tipo di acciaio non contemplato
7	206	-1290	-11	2	0	-3	2								Tipo di acciaio non contemplato
8	206	-1271	-11	2	0	-3	2								Tipo di acciaio non contemplato

ASTA NUM. 28 NI 357 NF 880 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2610	8	-1	0	-2	4								Tipo di acciaio non contemplato
1B	0	-2610	9	-1	0	-2	2								Tipo di acciaio non contemplato
1C	0	-2610	8	-2	0	-3	4								Tipo di acciaio non contemplato
1D	0	-2610	9	-2	0	-3	2								Tipo di acciaio non contemplato
1E	0	-164	8	-1	0	-2	4								Tipo di acciaio non contemplato
1F	0	-164	9	-1	0	-2	2								Tipo di acciaio non contemplato
1G	0	-164	8	-2	0	-3	4								Tipo di acciaio non contemplato
1H	0	-164	9	-2	0	-3	2								Tipo di acciaio non contemplato
1I	0	-2993	6	-1	0	0	6								Tipo di acciaio non contemplato
1J	0	-2993	10	-1	0	0	0								Tipo di acciaio non contemplato
1K	0	-2993	6	-2	0	-5	6								Tipo di acciaio non contemplato
1L	0	-2993	10	-2	0	-5	0								Tipo di acciaio non contemplato
1M	0	219	6	-1	0	0	6								Tipo di acciaio non contemplato
1N	0	219	10	-1	0	0	0								Tipo di acciaio non contemplato
1O	0	219	6	-2	0	-5	6								Tipo di acciaio non contemplato

1P	0	219	10	-2	0	-5	0	Tipo di acciaio non contemplato
2	0	-1859	11	-2	0	-3	4	Tipo di acciaio non contemplato
7	0	-1878	11	-2	0	-3	4	Tipo di acciaio non contemplato
8	0	-1834	11	-2	0	-3	4	Tipo di acciaio non contemplato
1A	103	-2610	-2	-1	0	0	7	Tipo di acciaio non contemplato
1B	103	-2610	-0	-1	0	0	6	Tipo di acciaio non contemplato
1C	103	-2610	-2	-2	0	-2	7	Tipo di acciaio non contemplato
1D	103	-2610	-0	-2	0	-2	6	Tipo di acciaio non contemplato
1E	103	-164	-2	-1	0	0	7	Tipo di acciaio non contemplato
1F	103	-164	-0	-1	0	0	6	Tipo di acciaio non contemplato
1G	103	-164	-2	-2	0	-2	7	Tipo di acciaio non contemplato
1H	103	-164	-0	-2	0	-2	6	Tipo di acciaio non contemplato
1I	103	-2993	-3	-1	0	1	7	Tipo di acciaio non contemplato
1J	103	-2993	1	-1	0	1	6	Tipo di acciaio non contemplato
1K	103	-2993	-3	-2	0	-3	7	Tipo di acciaio non contemplato
1L	103	-2993	1	-2	0	-3	6	Tipo di acciaio non contemplato
1M	103	219	-3	-1	0	1	7	Tipo di acciaio non contemplato
1N	103	219	1	-1	0	1	6	Tipo di acciaio non contemplato
1O	103	219	-3	-2	0	-3	7	Tipo di acciaio non contemplato
1P	103	219	1	-2	0	-3	6	Tipo di acciaio non contemplato
2	103	-1859	-1	-2	0	-1	9	Tipo di acciaio non contemplato
7	103	-1878	-1	-2	0	-1	9	Tipo di acciaio non contemplato
8	103	-1834	-1	-2	0	-1	9	Tipo di acciaio non contemplato
1A	206	-2610	-11	-1	0	1	0	Tipo di acciaio non contemplato
1B	206	-2610	-9	-1	0	1	2	Tipo di acciaio non contemplato
1C	206	-2610	-11	-2	0	0	0	Tipo di acciaio non contemplato
1D	206	-2610	-9	-2	0	0	2	Tipo di acciaio non contemplato
1E	206	-164	-11	-1	0	1	0	Tipo di acciaio non contemplato
1F	206	-164	-9	-1	0	1	2	Tipo di acciaio non contemplato
1G	206	-164	-11	-2	0	0	0	Tipo di acciaio non contemplato
1H	206	-164	-9	-2	0	0	2	Tipo di acciaio non contemplato
1I	206	-2993	-12	-1	0	3	0	Tipo di acciaio non contemplato
1J	206	-2993	-8	-1	0	3	2	Tipo di acciaio non contemplato
1K	206	-2993	-12	-2	0	-2	0	Tipo di acciaio non contemplato
1L	206	-2993	-8	-2	0	-2	2	Tipo di acciaio non contemplato
1M	206	219	-12	-1	0	3	0	Tipo di acciaio non contemplato
1N	206	219	-8	-1	0	3	2	Tipo di acciaio non contemplato
1O	206	219	-12	-2	0	-2	0	Tipo di acciaio non contemplato
1P	206	219	-8	-2	0	-2	2	Tipo di acciaio non contemplato
2	206	-1859	-13	-2	0	0	1	Tipo di acciaio non contemplato
7	206	-1878	-13	-2	0	0	1	Tipo di acciaio non contemplato
8	206	-1834	-13	-2	0	0	1	Tipo di acciaio non contemplato

ASTA NUM. 29 NI 880 NF 438 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2534	9	1	0	2	0								Tipo di acciaio non contemplato
1B	0	-2534	10	1	0	2	-1								Tipo di acciaio non contemplato
1C	0	-2534	9	1	0	0	0								Tipo di acciaio non contemplato
1D	0	-2534	10	1	0	0	-1								Tipo di acciaio non contemplato
1E	0	-44	9	1	0	2	0								Tipo di acciaio non contemplato
1F	0	-44	10	1	0	2	-1								Tipo di acciaio non contemplato
1G	0	-44	9	1	0	0	0								Tipo di acciaio non contemplato
1H	0	-44	10	1	0	0	-1								Tipo di acciaio non contemplato
1I	0	-3378	8	1	0	3	1								Tipo di acciaio non contemplato
1J	0	-3378	11	1	0	3	-2								Tipo di acciaio non contemplato
1K	0	-3378	8	1	0	-1	1								Tipo di acciaio non contemplato
1L	0	-3378	11	1	0	-1	-2								Tipo di acciaio non contemplato
1M	0	800	8	1	0	3	1								Tipo di acciaio non contemplato
1N	0	800	11	1	0	3	-2								Tipo di acciaio non contemplato
1O	0	800	8	1	0	-1	1								Tipo di acciaio non contemplato
1P	0	800	11	1	0	-1	-2								Tipo di acciaio non contemplato
2	0	-1629	12	1	0	1	-1								Tipo di acciaio non contemplato
7	0	-1631	12	1	0	1	0								Tipo di acciaio non contemplato
8	0	-1644	12	1	0	1	0								Tipo di acciaio non contemplato
1A	103	-2534	-0	1	0	0	4								Tipo di acciaio non contemplato
1B	103	-2534	1	1	0	0	4								Tipo di acciaio non contemplato
1C	103	-2534	-0	1	0	-1	4								Tipo di acciaio non contemplato
1D	103	-2534	1	1	0	-1	4								Tipo di acciaio non contemplato
1E	103	-44	-0	1	0	0	4								Tipo di acciaio non contemplato
1F	103	-44	1	1	0	0	4								Tipo di acciaio non contemplato
1G	103	-44	-0	1	0	-1	4								Tipo di acciaio non contemplato
1H	103	-44	1	1	0	-1	4								Tipo di acciaio non contemplato
1I	103	-3378	-1	1	0	2	4								Tipo di acciaio non contemplato
1J	103	-3378	2	1	0	2	4								Tipo di acciaio non contemplato
1K	103	-3378	-1	1	0	-2	4								Tipo di acciaio non contemplato
1L	103	-3378	2	1	0	-2	4								Tipo di acciaio non contemplato
1M	103	800	-1	1	0	2	4								Tipo di acciaio non contemplato
1N	103	800	2	1	0	2	4								Tipo di acciaio non contemplato
1O	103	800	-1	1	0	-2	4								Tipo di acciaio non contemplato
1P	103	800	2	1	0	-2	4								Tipo di acciaio non contemplato
2	103	-1629	0	1	0	0	5								Tipo di acciaio non contemplato
7	103	-1631	0	1	0	0	5								Tipo di acciaio non contemplato
8	103	-1644	0	1	0	0	6								Tipo di acciaio non contemplato
1A	206	-2534	-10	1	0	0	-1								Tipo di acciaio non contemplato
1B	206	-2534	-8	1	0	0	0								Tipo di acciaio non contemplato

1C	206	-2534	-10	1	0	-2	-1							Tipo di acciaio non contemplato
1D	206	-2534	-8	1	0	-2	0							Tipo di acciaio non contemplato
1E	206	-44	-10	1	0	0	-1							Tipo di acciaio non contemplato
1F	206	-44	-8	1	0	0	0							Tipo di acciaio non contemplato
1G	206	-44	-10	1	0	-2	-1							Tipo di acciaio non contemplato
1H	206	-44	-8	1	0	-2	0							Tipo di acciaio non contemplato
1I	206	-3378	-11	1	0	0	-2							Tipo di acciaio non contemplato
1J	206	-3378	-7	1	0	0	1							Tipo di acciaio non contemplato
1K	206	-3378	-11	1	0	-3	-2							Tipo di acciaio non contemplato
1L	206	-3378	-7	1	0	-3	1							Tipo di acciaio non contemplato
1M	206	800	-11	1	0	0	-2							Tipo di acciaio non contemplato
1N	206	800	-7	1	0	0	1							Tipo di acciaio non contemplato
1O	206	800	-11	1	0	-3	-2							Tipo di acciaio non contemplato
1P	206	800	-7	1	0	-3	1							Tipo di acciaio non contemplato
2	206	-1629	-12	1	0	-2	0							Tipo di acciaio non contemplato
7	206	-1631	-12	1	0	-2	0							Tipo di acciaio non contemplato
8	206	-1644	-12	1	0	-2	0							Tipo di acciaio non contemplato

ASTA NUM. 30 NI 882 NF 438 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	11	10	28	0	7	-2								Tipo di acciaio non contemplato
1B	0	11	73	28	0	7	-19								Tipo di acciaio non contemplato
1C	0	11	10	-28	0	-7	-2								Tipo di acciaio non contemplato
1D	0	11	73	-28	0	-7	-19								Tipo di acciaio non contemplato
1E	0	199	10	28	0	7	-2								Tipo di acciaio non contemplato
1F	0	199	73	28	0	7	-19								Tipo di acciaio non contemplato
1G	0	199	10	-28	0	-7	-2								Tipo di acciaio non contemplato
1H	0	199	73	-28	0	-7	-19								Tipo di acciaio non contemplato
1I	0	-73	-47	51	0	13	13								Tipo di acciaio non contemplato
1J	0	-73	131	51	0	13	-34								Tipo di acciaio non contemplato
1K	0	-73	-47	-52	0	-13	13								Tipo di acciaio non contemplato
1L	0	-73	131	-52	0	-13	-34								Tipo di acciaio non contemplato
1M	0	283	-47	51	0	13	13								Tipo di acciaio non contemplato
1N	0	283	131	51	0	13	-34								Tipo di acciaio non contemplato
1O	0	283	-47	-52	0	-13	13								Tipo di acciaio non contemplato
1P	0	283	131	-52	0	-13	-34								Tipo di acciaio non contemplato
2	0	162	59	-2	0	0	-15								Tipo di acciaio non contemplato
7	0	164	55	-2	0	0	-14								Tipo di acciaio non contemplato
8	0	152	58	-1	0	0	-15								Tipo di acciaio non contemplato
1A	25	11	8	28	0	0	0								Tipo di acciaio non contemplato
1B	25	11	71	28	0	0	0								Tipo di acciaio non contemplato
1C	25	11	8	-28	0	0	0								Tipo di acciaio non contemplato
1D	25	11	71	-28	0	0	0								Tipo di acciaio non contemplato
1E	25	199	8	28	0	0	0								Tipo di acciaio non contemplato
1F	25	199	71	28	0	0	0								Tipo di acciaio non contemplato
1G	25	199	8	-28	0	0	0								Tipo di acciaio non contemplato
1H	25	199	71	-28	0	0	0								Tipo di acciaio non contemplato
1I	25	-73	-49	51	0	0	0								Tipo di acciaio non contemplato
1J	25	-73	129	51	0	0	-1								Tipo di acciaio non contemplato
1K	25	-73	-49	-52	0	0	0								Tipo di acciaio non contemplato
1L	25	-73	129	-52	0	0	-1								Tipo di acciaio non contemplato
1M	25	283	-49	51	0	0	0								Tipo di acciaio non contemplato
1N	25	283	129	51	0	0	-1								Tipo di acciaio non contemplato
1O	25	283	-49	-52	0	0	0								Tipo di acciaio non contemplato
1P	25	283	129	-52	0	0	-1								Tipo di acciaio non contemplato
2	25	162	56	-2	0	0	0								Tipo di acciaio non contemplato
7	25	164	52	-2	0	0	0								Tipo di acciaio non contemplato
8	25	152	55	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	11	6	28	0	-7	2								Tipo di acciaio non contemplato
1B	50	11	69	28	0	-7	17								Tipo di acciaio non contemplato
1C	50	11	6	-28	0	7	2								Tipo di acciaio non contemplato
1D	50	11	69	-28	0	7	17								Tipo di acciaio non contemplato
1E	50	199	6	28	0	-7	2								Tipo di acciaio non contemplato
1F	50	199	69	28	0	-7	17								Tipo di acciaio non contemplato
1G	50	199	6	-28	0	7	2								Tipo di acciaio non contemplato
1H	50	199	69	-28	0	7	17								Tipo di acciaio non contemplato
1I	50	-73	-52	51	0	-13	-12								Tipo di acciaio non contemplato
1J	50	-73	127	51	0	-13	31								Tipo di acciaio non contemplato
1K	50	-73	-52	-52	0	13	-12								Tipo di acciaio non contemplato
1L	50	-73	127	-52	0	13	31								Tipo di acciaio non contemplato
1M	50	283	-52	51	0	-13	-12								Tipo di acciaio non contemplato
1N	50	283	127	51	0	-13	31								Tipo di acciaio non contemplato
1O	50	283	-52	-52	0	13	-12								Tipo di acciaio non contemplato
1P	50	283	127	-52	0	13	31								Tipo di acciaio non contemplato
2	50	162	53	-2	0	0	13								Tipo di acciaio non contemplato
7	50	164	49	-2	0	0	12								Tipo di acciaio non contemplato
8	50	152	53	-1	0	0	13								Tipo di acciaio non contemplato

ASTA NUM. 31 NI 177 NF 880 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	223	-89	30	0	8	22							Tipo di acciaio non contemplato
1B	0	223	-11	30	0	8	3							Tipo di acciaio non contemplato
1C	0	223	-89	-17	0	-4	22							Tipo di acciaio non contemplato
1D	0	223	-11	-17	0	-4	3							Tipo di acciaio non contemplato
1E	0	306	-89	30	0	8	22							Tipo di acciaio non contemplato
1F	0	306	-11	30	0	8	3							Tipo di acciaio non contemplato
1G	0	306	-89	-17	0	-4	22							Tipo di acciaio non contemplato
1H	0	306	-11	-17	0	-4	3							Tipo di acciaio non contemplato
1I	0	158	-164	40	0	10	41							Tipo di acciaio non contemplato
1J	0	158	65	40	0	10	-16							Tipo di acciaio non contemplato
1K	0	158	-164	-26	0	-7	41							Tipo di acciaio non contemplato
1L	0	158	65	-26	0	-7	-16							Tipo di acciaio non contemplato
1M	0	371	-164	40	0	10	41							Tipo di acciaio non contemplato
1N	0	371	65	40	0	10	-16							Tipo di acciaio non contemplato
1O	0	371	-164	-26	0	-7	41							Tipo di acciaio non contemplato
1P	0	371	65	-26	0	-7	-16							Tipo di acciaio non contemplato
2	0	342	-68	8	0	2	17							Tipo di acciaio non contemplato
7	0	345	-64	8	0	2	17							Tipo di acciaio non contemplato
8	0	342	-68	8	0	2	17							Tipo di acciaio non contemplato
1A	25	223	-91	30	0	0	0							Tipo di acciaio non contemplato
1B	25	223	-13	30	0	0	0							Tipo di acciaio non contemplato
1C	25	223	-91	-17	0	0	0							Tipo di acciaio non contemplato
1D	25	223	-13	-17	0	0	0							Tipo di acciaio non contemplato
1E	25	306	-91	30	0	0	0							Tipo di acciaio non contemplato
1F	25	306	-13	30	0	0	0							Tipo di acciaio non contemplato
1G	25	306	-91	-17	0	0	0							Tipo di acciaio non contemplato
1H	25	306	-13	-17	0	0	0							Tipo di acciaio non contemplato
1I	25	158	-167	40	0	0	0							Tipo di acciaio non contemplato
1J	25	158	62	40	0	0	0							Tipo di acciaio non contemplato
1K	25	158	-167	-26	0	0	0							Tipo di acciaio non contemplato
1L	25	158	62	-26	0	0	0							Tipo di acciaio non contemplato
1M	25	371	-167	40	0	0	0							Tipo di acciaio non contemplato
1N	25	371	62	40	0	0	0							Tipo di acciaio non contemplato
1O	25	371	-167	-26	0	0	0							Tipo di acciaio non contemplato
1P	25	371	62	-26	0	0	0							Tipo di acciaio non contemplato
2	25	342	-71	8	0	0	0							Tipo di acciaio non contemplato
7	25	345	-67	8	0	0	0							Tipo di acciaio non contemplato
8	25	342	-71	8	0	0	0							Tipo di acciaio non contemplato
1A	50	223	-93	30	0	-8	-23							Tipo di acciaio non contemplato
1B	50	223	-16	30	0	-8	-4							Tipo di acciaio non contemplato
1C	50	223	-93	-17	0	4	-23							Tipo di acciaio non contemplato
1D	50	223	-16	-17	0	4	-4							Tipo di acciaio non contemplato
1E	50	306	-93	30	0	-8	-23							Tipo di acciaio non contemplato
1F	50	306	-16	30	0	-8	-4							Tipo di acciaio non contemplato
1G	50	306	-93	-17	0	4	-23							Tipo di acciaio non contemplato
1H	50	306	-16	-17	0	4	-4							Tipo di acciaio non contemplato
1I	50	158	-169	40	0	-10	-42							Tipo di acciaio non contemplato
1J	50	158	60	40	0	-10	15							Tipo di acciaio non contemplato
1K	50	158	-169	-26	0	7	-42							Tipo di acciaio non contemplato
1L	50	158	60	-26	0	7	15							Tipo di acciaio non contemplato
1M	50	371	-169	40	0	-10	-42							Tipo di acciaio non contemplato
1N	50	371	60	40	0	-10	15							Tipo di acciaio non contemplato
1O	50	371	-169	-26	0	7	-42							Tipo di acciaio non contemplato
1P	50	371	60	-26	0	7	15							Tipo di acciaio non contemplato
2	50	342	-74	8	0	-2	-18							Tipo di acciaio non contemplato
7	50	345	-70	8	0	-2	-17							Tipo di acciaio non contemplato
8	50	342	-73	8	0	-2	-18							Tipo di acciaio non contemplato

ASTA NUM. 32 NI 878 NF 357 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	232	-10	11	0	3	3								Tipo di acciaio non contemplato
1B	0	232	68	11	0	3	-17								Tipo di acciaio non contemplato
1C	0	232	-10	-22	0	-5	3								Tipo di acciaio non contemplato
1D	0	232	68	-22	0	-5	-17								Tipo di acciaio non contemplato
1E	0	385	-10	11	0	3	3								Tipo di acciaio non contemplato
1F	0	385	68	11	0	3	-17								Tipo di acciaio non contemplato
1G	0	385	-10	-22	0	-5	3								Tipo di acciaio non contemplato
1H	0	385	68	-22	0	-5	-17								Tipo di acciaio non contemplato
1I	0	66	-94	8	0	2	24								Tipo di acciaio non contemplato
1J	0	66	152	8	0	2	-39								Tipo di acciaio non contemplato
1K	0	66	-94	-18	0	-5	24								Tipo di acciaio non contemplato
1L	0	66	152	-18	0	-5	-39								Tipo di acciaio non contemplato
1M	0	550	-94	8	0	2	24								Tipo di acciaio non contemplato
1N	0	550	152	8	0	2	-39								Tipo di acciaio non contemplato
1O	0	550	-94	-18	0	-5	24								Tipo di acciaio non contemplato
1P	0	550	152	-18	0	-5	-39								Tipo di acciaio non contemplato
2	0	399	40	-8	0	-2	-10								Tipo di acciaio non contemplato
7	0	407	36	-8	0	-2	-9								Tipo di acciaio non contemplato
8	0	398	40	-8	0	-2	-10								Tipo di acciaio non contemplato
1A	25	232	-12	11	0	0	0								Tipo di acciaio non contemplato
1B	25	232	66	11	0	0	0								Tipo di acciaio non contemplato
1C	25	232	-12	-22	0	0	0								Tipo di acciaio non contemplato
1D	25	232	66	-22	0	0	0								Tipo di acciaio non contemplato
1E	25	385	-12	11	0	0	0								Tipo di acciaio non contemplato

1F	25	385	66	11	0	0	0	Tipo di acciaio non contemplato
1G	25	385	-12	-22	0	0	0	Tipo di acciaio non contemplato
1H	25	385	66	-22	0	0	0	Tipo di acciaio non contemplato
1I	25	66	-96	8	0	0	0	Tipo di acciaio non contemplato
1J	25	66	150	8	0	0	-1	Tipo di acciaio non contemplato
1K	25	66	-96	-18	0	0	0	Tipo di acciaio non contemplato
1L	25	66	150	-18	0	0	-1	Tipo di acciaio non contemplato
1M	25	550	-96	8	0	0	0	Tipo di acciaio non contemplato
1N	25	550	150	8	0	0	-1	Tipo di acciaio non contemplato
1O	25	550	-96	-18	0	0	0	Tipo di acciaio non contemplato
1P	25	550	150	-18	0	0	-1	Tipo di acciaio non contemplato
2	25	399	37	-8	0	0	0	Tipo di acciaio non contemplato
7	25	407	34	-8	0	0	0	Tipo di acciaio non contemplato
8	25	398	37	-8	0	0	0	Tipo di acciaio non contemplato
1A	50	232	-14	11	0	-3	-3	Tipo di acciaio non contemplato
1B	50	232	64	11	0	-3	16	Tipo di acciaio non contemplato
1C	50	232	-14	-22	0	5	-3	Tipo di acciaio non contemplato
1D	50	232	64	-22	0	5	16	Tipo di acciaio non contemplato
1E	50	385	-14	11	0	-3	-3	Tipo di acciaio non contemplato
1F	50	385	64	11	0	-3	16	Tipo di acciaio non contemplato
1G	50	385	-14	-22	0	5	-3	Tipo di acciaio non contemplato
1H	50	385	64	-22	0	5	16	Tipo di acciaio non contemplato
1I	50	66	-98	8	0	-2	-24	Tipo di acciaio non contemplato
1J	50	66	148	8	0	-2	36	Tipo di acciaio non contemplato
1K	50	66	-98	-18	0	5	-24	Tipo di acciaio non contemplato
1L	50	66	148	-18	0	5	36	Tipo di acciaio non contemplato
1M	50	550	-98	8	0	-2	-24	Tipo di acciaio non contemplato
1N	50	550	148	8	0	-2	36	Tipo di acciaio non contemplato
1O	50	550	-98	-18	0	5	-24	Tipo di acciaio non contemplato
1P	50	550	148	-18	0	5	36	Tipo di acciaio non contemplato
2	50	399	35	-8	0	2	9	Tipo di acciaio non contemplato
7	50	407	31	-8	0	2	8	Tipo di acciaio non contemplato
8	50	398	35	-8	0	2	9	Tipo di acciaio non contemplato

ASTA NUM. 33 NI 954 NF 876 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	235	-76	7	0	2	19								Tipo di acciaio non contemplato
1B	0	235	1	7	0	2	0								Tipo di acciaio non contemplato
1C	0	235	-76	-33	0	-8	19								Tipo di acciaio non contemplato
1D	0	235	1	-33	0	-8	0								Tipo di acciaio non contemplato
1E	0	317	-76	7	0	2	19								Tipo di acciaio non contemplato
1F	0	317	1	7	0	2	0								Tipo di acciaio non contemplato
1G	0	317	-76	-33	0	-8	19								Tipo di acciaio non contemplato
1H	0	317	1	-33	0	-8	0								Tipo di acciaio non contemplato
1I	0	169	-151	5	0	1	38								Tipo di acciaio non contemplato
1J	0	169	77	5	0	1	-19								Tipo di acciaio non contemplato
1K	0	169	-151	-31	0	-8	38								Tipo di acciaio non contemplato
1L	0	169	77	-31	0	-8	-19								Tipo di acciaio non contemplato
1M	0	382	-151	5	0	1	38								Tipo di acciaio non contemplato
1N	0	382	77	5	0	1	-19								Tipo di acciaio non contemplato
1O	0	382	-151	-31	0	-8	38								Tipo di acciaio non contemplato
1P	0	382	77	-31	0	-8	-19								Tipo di acciaio non contemplato
2	0	359	-51	-18	0	-5	13								Tipo di acciaio non contemplato
7	0	362	-47	-18	0	-4	12								Tipo di acciaio non contemplato
8	0	358	-51	-18	0	-4	13								Tipo di acciaio non contemplato
1A	25	235	-78	7	0	0	0								Tipo di acciaio non contemplato
1B	25	235	-1	7	0	0	0								Tipo di acciaio non contemplato
1C	25	235	-78	-33	0	0	0								Tipo di acciaio non contemplato
1D	25	235	-1	-33	0	0	0								Tipo di acciaio non contemplato
1E	25	317	-78	7	0	0	0								Tipo di acciaio non contemplato
1F	25	317	-1	7	0	0	0								Tipo di acciaio non contemplato
1G	25	317	-78	-33	0	0	0								Tipo di acciaio non contemplato
1H	25	317	-1	-33	0	0	0								Tipo di acciaio non contemplato
1I	25	169	-153	5	0	0	0								Tipo di acciaio non contemplato
1J	25	169	74	5	0	0	0								Tipo di acciaio non contemplato
1K	25	169	-153	-31	0	0	0								Tipo di acciaio non contemplato
1L	25	169	74	-31	0	0	0								Tipo di acciaio non contemplato
1M	25	382	-153	5	0	0	0								Tipo di acciaio non contemplato
1N	25	382	74	5	0	0	0								Tipo di acciaio non contemplato
1O	25	382	-153	-31	0	0	0								Tipo di acciaio non contemplato
1P	25	382	74	-31	0	0	0								Tipo di acciaio non contemplato
2	25	359	-53	-18	0	0	0								Tipo di acciaio non contemplato
7	25	362	-50	-18	0	0	0								Tipo di acciaio non contemplato
8	25	358	-53	-18	0	0	0								Tipo di acciaio non contemplato
1A	50	235	-80	7	0	-2	-20								Tipo di acciaio non contemplato
1B	50	235	-3	7	0	-2	0								Tipo di acciaio non contemplato
1C	50	235	-80	-33	0	8	-20								Tipo di acciaio non contemplato
1D	50	235	-3	-33	0	8	0								Tipo di acciaio non contemplato
1E	50	317	-80	7	0	-2	-20								Tipo di acciaio non contemplato
1F	50	317	-3	7	0	-2	0								Tipo di acciaio non contemplato
1G	50	317	-80	-33	0	8	-20								Tipo di acciaio non contemplato
1H	50	317	-3	-33	0	8	0								Tipo di acciaio non contemplato
1I	50	169	-155	5	0	-1	-39								Tipo di acciaio non contemplato
1J	50	169	72	5	0	-1	18								Tipo di acciaio non contemplato
1K	50	169	-155	-31	0	8	-39								Tipo di acciaio non contemplato
1L	50	169	72	-31	0	8	18								Tipo di acciaio non contemplato

1M	50	382	-155	5	0	-1	-39							Tipo di acciaio non contemplato
1N	50	382	72	5	0	-1	18							Tipo di acciaio non contemplato
1O	50	382	-155	-31	0	8	-39							Tipo di acciaio non contemplato
1P	50	382	72	-31	0	8	18							Tipo di acciaio non contemplato
2	50	359	-56	-18	0	5	-14							Tipo di acciaio non contemplato
7	50	362	-53	-18	0	4	-13							Tipo di acciaio non contemplato
8	50	358	-56	-18	0	4	-14							Tipo di acciaio non contemplato

ASTA NUM. 34 NI 874 NF 955 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	135	-21	15	0	4	6								Tipo di acciaio non contemplato
1B	0	135	50	15	0	4	-12								Tipo di acciaio non contemplato
1C	0	135	-21	-28	0	-7	6								Tipo di acciaio non contemplato
1D	0	135	50	-28	0	-7	-12								Tipo di acciaio non contemplato
1E	0	289	-21	15	0	4	6								Tipo di acciaio non contemplato
1F	0	289	50	15	0	4	-12								Tipo di acciaio non contemplato
1G	0	289	-21	-28	0	-7	6								Tipo di acciaio non contemplato
1H	0	289	50	-28	0	-7	-12								Tipo di acciaio non contemplato
1I	0	12	-80	27	0	7	21								Tipo di acciaio non contemplato
1J	0	12	109	27	0	7	-28								Tipo di acciaio non contemplato
1K	0	12	-80	-39	0	-10	21								Tipo di acciaio non contemplato
1L	0	12	109	-39	0	-10	-28								Tipo di acciaio non contemplato
1M	0	412	-80	27	0	7	21								Tipo di acciaio non contemplato
1N	0	412	109	27	0	7	-28								Tipo di acciaio non contemplato
1O	0	412	-80	-39	0	-10	21								Tipo di acciaio non contemplato
1P	0	412	109	-39	0	-10	-28								Tipo di acciaio non contemplato
2	0	277	21	-10	0	-2	-5								Tipo di acciaio non contemplato
7	0	283	17	-9	0	-2	-4								Tipo di acciaio non contemplato
8	0	275	21	-9	0	-2	-5								Tipo di acciaio non contemplato
1A	25	135	-23	15	0	0	0								Tipo di acciaio non contemplato
1B	25	135	48	15	0	0	0								Tipo di acciaio non contemplato
1C	25	135	-23	-28	0	0	0								Tipo di acciaio non contemplato
1D	25	135	48	-28	0	0	0								Tipo di acciaio non contemplato
1E	25	289	-23	15	0	0	0								Tipo di acciaio non contemplato
1F	25	289	48	15	0	0	0								Tipo di acciaio non contemplato
1G	25	289	-23	-28	0	0	0								Tipo di acciaio non contemplato
1H	25	289	48	-28	0	0	0								Tipo di acciaio non contemplato
1I	25	12	-82	27	0	0	0								Tipo di acciaio non contemplato
1J	25	12	107	27	0	0	0								Tipo di acciaio non contemplato
1K	25	12	-82	-39	0	0	0								Tipo di acciaio non contemplato
1L	25	12	107	-39	0	0	0								Tipo di acciaio non contemplato
1M	25	412	-82	27	0	0	0								Tipo di acciaio non contemplato
1N	25	412	107	27	0	0	0								Tipo di acciaio non contemplato
1O	25	412	-82	-39	0	0	0								Tipo di acciaio non contemplato
1P	25	412	107	-39	0	0	0								Tipo di acciaio non contemplato
2	25	277	18	-10	0	0	0								Tipo di acciaio non contemplato
7	25	283	14	-9	0	0	0								Tipo di acciaio non contemplato
8	25	275	18	-9	0	0	0								Tipo di acciaio non contemplato
1A	50	135	-25	15	0	-4	-6								Tipo di acciaio non contemplato
1B	50	135	45	15	0	-4	11								Tipo di acciaio non contemplato
1C	50	135	-25	-28	0	7	-6								Tipo di acciaio non contemplato
1D	50	135	45	-28	0	7	11								Tipo di acciaio non contemplato
1E	50	289	-25	15	0	-4	-6								Tipo di acciaio non contemplato
1F	50	289	45	15	0	-4	11								Tipo di acciaio non contemplato
1G	50	289	-25	-28	0	7	-6								Tipo di acciaio non contemplato
1H	50	289	45	-28	0	7	11								Tipo di acciaio non contemplato
1I	50	12	-84	27	0	-7	-20								Tipo di acciaio non contemplato
1J	50	12	104	27	0	-7	26								Tipo di acciaio non contemplato
1K	50	12	-84	-39	0	10	-20								Tipo di acciaio non contemplato
1L	50	12	104	-39	0	10	26								Tipo di acciaio non contemplato
1M	50	412	-84	27	0	-7	-20								Tipo di acciaio non contemplato
1N	50	412	104	27	0	-7	26								Tipo di acciaio non contemplato
1O	50	412	-84	-39	0	10	-20								Tipo di acciaio non contemplato
1P	50	412	104	-39	0	10	26								Tipo di acciaio non contemplato
2	50	277	15	-10	0	2	4								Tipo di acciaio non contemplato
7	50	283	11	-9	0	2	3								Tipo di acciaio non contemplato
8	50	275	15	-9	0	2	4								Tipo di acciaio non contemplato

ASTA NUM. 35 NI 956 NF 872 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-46	-31	7	0	2	8								Tipo di acciaio non contemplato
1B	0	-46	24	7	0	2	-5								Tipo di acciaio non contemplato
1C	0	-46	-31	-67	0	-17	8								Tipo di acciaio non contemplato
1D	0	-46	24	-67	0	-17	-5								Tipo di acciaio non contemplato
1E	0	196	-31	7	0	2	8								Tipo di acciaio non contemplato
1F	0	196	24	7	0	2	-5								Tipo di acciaio non contemplato
1G	0	196	-31	-67	0	-17	8								Tipo di acciaio non contemplato
1H	0	196	24	-67	0	-17	-5								Tipo di acciaio non contemplato

1I	0	-60	-52	30	0	7	13	Tipo di acciaio non contemplato
1J	0	-60	45	30	0	7	-11	Tipo di acciaio non contemplato
1K	0	-60	-52	-89	0	-22	13	Tipo di acciaio non contemplato
1L	0	-60	45	-89	0	-22	-11	Tipo di acciaio non contemplato
1M	0	210	-52	30	0	7	13	Tipo di acciaio non contemplato
1N	0	210	45	30	0	7	-11	Tipo di acciaio non contemplato
1O	0	210	-52	-89	0	-22	13	Tipo di acciaio non contemplato
1P	0	210	45	-89	0	-22	-11	Tipo di acciaio non contemplato
2	0	105	-7	-39	0	-10	2	Tipo di acciaio non contemplato
7	0	111	-4	-38	0	-9	2	Tipo di acciaio non contemplato
8	0	100	-7	-39	0	-10	2	Tipo di acciaio non contemplato
1A	25	-46	-33	7	0	0	0	Tipo di acciaio non contemplato
1B	25	-46	22	7	0	0	0	Tipo di acciaio non contemplato
1C	25	-46	-33	-67	0	0	0	Tipo di acciaio non contemplato
1D	25	-46	22	-67	0	0	0	Tipo di acciaio non contemplato
1E	25	196	-33	7	0	0	0	Tipo di acciaio non contemplato
1F	25	196	22	7	0	0	0	Tipo di acciaio non contemplato
1G	25	196	-33	-67	0	0	0	Tipo di acciaio non contemplato
1H	25	196	22	-67	0	0	0	Tipo di acciaio non contemplato
1I	25	-60	-55	30	0	0	0	Tipo di acciaio non contemplato
1J	25	-60	43	30	0	0	0	Tipo di acciaio non contemplato
1K	25	-60	-55	-89	0	0	0	Tipo di acciaio non contemplato
1L	25	-60	43	-89	0	0	0	Tipo di acciaio non contemplato
1M	25	210	-55	30	0	0	0	Tipo di acciaio non contemplato
1N	25	210	43	30	0	0	0	Tipo di acciaio non contemplato
1O	25	210	-55	-89	0	0	0	Tipo di acciaio non contemplato
1P	25	210	43	-89	0	0	0	Tipo di acciaio non contemplato
2	25	105	-10	-39	0	0	0	Tipo di acciaio non contemplato
7	25	111	-7	-38	0	0	0	Tipo di acciaio non contemplato
8	25	100	-9	-39	0	0	0	Tipo di acciaio non contemplato
1A	50	-46	-36	7	0	-2	-9	Tipo di acciaio non contemplato
1B	50	-46	20	7	0	-2	5	Tipo di acciaio non contemplato
1C	50	-46	-36	-67	0	17	-9	Tipo di acciaio non contemplato
1D	50	-46	20	-67	0	17	5	Tipo di acciaio non contemplato
1E	50	196	-36	7	0	-2	-9	Tipo di acciaio non contemplato
1F	50	196	20	7	0	-2	5	Tipo di acciaio non contemplato
1G	50	196	-36	-67	0	17	-9	Tipo di acciaio non contemplato
1H	50	196	20	-67	0	17	5	Tipo di acciaio non contemplato
1I	50	-60	-57	30	0	-7	-14	Tipo di acciaio non contemplato
1J	50	-60	41	30	0	-7	11	Tipo di acciaio non contemplato
1K	50	-60	-57	-89	0	22	-14	Tipo di acciaio non contemplato
1L	50	-60	41	-89	0	22	11	Tipo di acciaio non contemplato
1M	50	210	-57	30	0	-7	-14	Tipo di acciaio non contemplato
1N	50	210	41	30	0	-7	11	Tipo di acciaio non contemplato
1O	50	210	-57	-89	0	22	-14	Tipo di acciaio non contemplato
1P	50	210	41	-89	0	22	11	Tipo di acciaio non contemplato
2	50	105	-13	-39	0	10	-3	Tipo di acciaio non contemplato
7	50	111	-10	-38	0	9	-2	Tipo di acciaio non contemplato
8	50	100	-12	-39	0	10	-3	Tipo di acciaio non contemplato

ASTA NUM. 36 NI 438 NF 884 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1661	7	-1	0	0	4								Tipo di acciaio non contemplato
1B	0	-1661	9	-1	0	0	2								Tipo di acciaio non contemplato
1C	0	-1661	7	-1	0	-2	4								Tipo di acciaio non contemplato
1D	0	-1661	9	-1	0	-2	2								Tipo di acciaio non contemplato
1E	0	1897	7	-1	0	0	4								Tipo di acciaio non contemplato
1F	0	1897	9	-1	0	0	2								Tipo di acciaio non contemplato
1G	0	1897	7	-1	0	-2	4								Tipo di acciaio non contemplato
1H	0	1897	9	-1	0	-2	2								Tipo di acciaio non contemplato
1I	0	-3062	7	-0	0	0	5								Tipo di acciaio non contemplato
1J	0	-3062	9	-0	0	0	1								Tipo di acciaio non contemplato
1K	0	-3062	7	-1	0	-2	5								Tipo di acciaio non contemplato
1L	0	-3062	9	-1	0	-2	1								Tipo di acciaio non contemplato
1M	0	3298	7	-0	0	0	5								Tipo di acciaio non contemplato
1N	0	3298	9	-0	0	0	1								Tipo di acciaio non contemplato
1O	0	3298	7	-1	0	-2	5								Tipo di acciaio non contemplato
1P	0	3298	9	-1	0	-2	1								Tipo di acciaio non contemplato
2	0	40	10	-1	0	-2	4								Tipo di acciaio non contemplato
7	0	7	10	-1	0	-2	4								Tipo di acciaio non contemplato
8	0	88	10	-1	0	-2	4								Tipo di acciaio non contemplato
1A	103	-1661	-2	-1	0	0	7								Tipo di acciaio non contemplato
1B	103	-1661	-1	-1	0	0	7								Tipo di acciaio non contemplato
1C	103	-1661	-2	-1	0	-1	7								Tipo di acciaio non contemplato
1D	103	-1661	-1	-1	0	-1	7								Tipo di acciaio non contemplato
1E	103	1897	-2	-1	0	0	7								Tipo di acciaio non contemplato
1F	103	1897	-1	-1	0	0	7								Tipo di acciaio non contemplato
1G	103	1897	-2	-1	0	-1	7								Tipo di acciaio non contemplato
1H	103	1897	-1	-1	0	-1	7								Tipo di acciaio non contemplato
1I	103	-3062	-2	-0	0	0	7								Tipo di acciaio non contemplato
1J	103	-3062	0	-0	0	0	7								Tipo di acciaio non contemplato
1K	103	-3062	-2	-1	0	-1	7								Tipo di acciaio non contemplato
1L	103	-3062	0	-1	0	-1	7								Tipo di acciaio non contemplato
1M	103	3298	-2	-0	0	0	7								Tipo di acciaio non contemplato
1N	103	3298	0	-0	0	0	7								Tipo di acciaio non contemplato
1O	103	3298	-2	-1	0	-1	7								Tipo di acciaio non contemplato

1P	103	3298	0	-1	0	-1	7							Tipo di acciaio non contemplato
2	103	40	-2	-1	0	0	8							Tipo di acciaio non contemplato
7	103	7	-2	-1	0	0	9							Tipo di acciaio non contemplato
8	103	88	-2	-1	0	0	8							Tipo di acciaio non contemplato
1A	206	-1661	-11	-1	0	0	0							Tipo di acciaio non contemplato
1B	206	-1661	-10	-1	0	0	2							Tipo di acciaio non contemplato
1C	206	-1661	-11	-1	0	0	0							Tipo di acciaio non contemplato
1D	206	-1661	-10	-1	0	0	2							Tipo di acciaio non contemplato
1E	206	1897	-11	-1	0	0	0							Tipo di acciaio non contemplato
1F	206	1897	-10	-1	0	0	2							Tipo di acciaio non contemplato
1G	206	1897	-11	-1	0	0	0							Tipo di acciaio non contemplato
1H	206	1897	-10	-1	0	0	2							Tipo di acciaio non contemplato
1I	206	-3062	-12	-0	0	0	0							Tipo di acciaio non contemplato
1J	206	-3062	-9	-0	0	0	2							Tipo di acciaio non contemplato
1K	206	-3062	-12	-1	0	0	0							Tipo di acciaio non contemplato
1L	206	-3062	-9	-1	0	0	2							Tipo di acciaio non contemplato
1M	206	3298	-12	-0	0	0	0							Tipo di acciaio non contemplato
1N	206	3298	-9	-0	0	0	2							Tipo di acciaio non contemplato
1O	206	3298	-12	-1	0	0	0							Tipo di acciaio non contemplato
1P	206	3298	-9	-1	0	0	2							Tipo di acciaio non contemplato
2	206	40	-14	-1	0	0	0							Tipo di acciaio non contemplato
7	206	7	-14	-1	0	0	0							Tipo di acciaio non contemplato
8	206	88	-14	-1	0	0	0							Tipo di acciaio non contemplato

ASTA NUM. 37 NI 603 NF 884 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	57	-75	34	0	8	17								Tipo di acciaio non contemplato
1B	0	57	-43	34	0	8	8								Tipo di acciaio non contemplato
1C	0	57	-75	-13	0	-3	17								Tipo di acciaio non contemplato
1D	0	57	-43	-13	0	-3	8								Tipo di acciaio non contemplato
1E	0	234	-75	34	0	8	17								Tipo di acciaio non contemplato
1F	0	234	-43	34	0	8	8								Tipo di acciaio non contemplato
1G	0	234	-75	-13	0	-3	17								Tipo di acciaio non contemplato
1H	0	234	-43	-13	0	-3	8								Tipo di acciaio non contemplato
1I	0	74	-102	52	0	13	24								Tipo di acciaio non contemplato
1J	0	74	-15	52	0	13	0								Tipo di acciaio non contemplato
1K	0	74	-102	-31	0	-8	24								Tipo di acciaio non contemplato
1L	0	74	-15	-31	0	-8	0								Tipo di acciaio non contemplato
1M	0	217	-102	52	0	13	24								Tipo di acciaio non contemplato
1N	0	217	-15	52	0	13	0								Tipo di acciaio non contemplato
1O	0	217	-102	-31	0	-8	24								Tipo di acciaio non contemplato
1P	0	217	-15	-31	0	-8	0								Tipo di acciaio non contemplato
2	0	180	-81	12	0	3	17								Tipo di acciaio non contemplato
7	0	191	-79	12	0	3	17								Tipo di acciaio non contemplato
8	0	180	-80	13	0	3	17								Tipo di acciaio non contemplato
1A	25	57	-77	34	0	0	-3								Tipo di acciaio non contemplato
1B	25	57	-45	34	0	0	-2								Tipo di acciaio non contemplato
1C	25	57	-77	-13	0	0	-3								Tipo di acciaio non contemplato
1D	25	57	-45	-13	0	0	-2								Tipo di acciaio non contemplato
1E	25	234	-77	34	0	0	-3								Tipo di acciaio non contemplato
1F	25	234	-45	34	0	0	-2								Tipo di acciaio non contemplato
1G	25	234	-77	-13	0	0	-3								Tipo di acciaio non contemplato
1H	25	234	-45	-13	0	0	-2								Tipo di acciaio non contemplato
1I	25	74	-104	52	0	0	-2								Tipo di acciaio non contemplato
1J	25	74	-17	52	0	0	-3								Tipo di acciaio non contemplato
1K	25	74	-104	-31	0	0	-2								Tipo di acciaio non contemplato
1L	25	74	-17	-31	0	0	-3								Tipo di acciaio non contemplato
1M	25	217	-104	52	0	0	-2								Tipo di acciaio non contemplato
1N	25	217	-17	52	0	0	-3								Tipo di acciaio non contemplato
1O	25	217	-104	-31	0	0	-2								Tipo di acciaio non contemplato
1P	25	217	-17	-31	0	0	-3								Tipo di acciaio non contemplato
2	25	180	-84	12	0	0	-4								Tipo di acciaio non contemplato
7	25	191	-82	12	0	0	-4								Tipo di acciaio non contemplato
8	25	180	-83	13	0	0	-4								Tipo di acciaio non contemplato
1A	50	57	-79	34	0	-8	-22								Tipo di acciaio non contemplato
1B	50	57	-47	34	0	-8	-13								Tipo di acciaio non contemplato
1C	50	57	-79	-13	0	3	-22								Tipo di acciaio non contemplato
1D	50	57	-47	-13	0	3	-13								Tipo di acciaio non contemplato
1E	50	234	-79	34	0	-8	-22								Tipo di acciaio non contemplato
1F	50	234	-47	34	0	-8	-13								Tipo di acciaio non contemplato
1G	50	234	-79	-13	0	3	-22								Tipo di acciaio non contemplato
1H	50	234	-47	-13	0	3	-13								Tipo di acciaio non contemplato
1I	50	74	-107	52	0	-13	-29								Tipo di acciaio non contemplato
1J	50	74	-19	52	0	-13	-7								Tipo di acciaio non contemplato
1K	50	74	-107	-31	0	8	-29								Tipo di acciaio non contemplato
1L	50	74	-19	-31	0	8	-7								Tipo di acciaio non contemplato
1M	50	217	-107	52	0	-13	-29								Tipo di acciaio non contemplato
1N	50	217	-19	52	0	-13	-7								Tipo di acciaio non contemplato
1O	50	217	-107	-31	0	8	-29								Tipo di acciaio non contemplato
1P	50	217	-19	-31	0	8	-7								Tipo di acciaio non contemplato
2	50	180	-87	12	0	-3	-25								Tipo di acciaio non contemplato
7	50	191	-85	12	0	-3	-24								Tipo di acciaio non contemplato
8	50	180	-86	13	0	-3	-25								Tipo di acciaio non contemplato

ASTA NUM. 38 NI 884 NF 437 Lungh. 111.8 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1436	-0	1	0	2	8								Tipo di acciaio non contemplato
1B	0	-1436	4	1	0	2	5								Tipo di acciaio non contemplato
1C	0	-1436	-0	0	0	0	8								Tipo di acciaio non contemplato
1D	0	-1436	4	0	0	0	5								Tipo di acciaio non contemplato
1E	0	1148	-0	1	0	2	8								Tipo di acciaio non contemplato
1F	0	1148	4	1	0	2	5								Tipo di acciaio non contemplato
1G	0	1148	-0	0	0	0	8								Tipo di acciaio non contemplato
1H	0	1148	4	0	0	0	5								Tipo di acciaio non contemplato
1I	0	-2360	-1	1	0	3	11								Tipo di acciaio non contemplato
1J	0	-2360	5	1	0	3	2								Tipo di acciaio non contemplato
1K	0	-2360	-1	0	0	-1	11								Tipo di acciaio non contemplato
1L	0	-2360	5	0	0	-1	2								Tipo di acciaio non contemplato
1M	0	2072	-1	1	0	3	11								Tipo di acciaio non contemplato
1N	0	2072	5	1	0	3	2								Tipo di acciaio non contemplato
1O	0	2072	-1	0	0	-1	11								Tipo di acciaio non contemplato
1P	0	2072	5	0	0	-1	2								Tipo di acciaio non contemplato
2	0	-204	4	1	0	1	9								Tipo di acciaio non contemplato
7	0	-155	3	1	0	1	9								Tipo di acciaio non contemplato
8	0	-210	3	1	0	1	9								Tipo di acciaio non contemplato
1A	56	-1436	-5	1	0	2	6								Tipo di acciaio non contemplato
1B	56	-1436	-1	1	0	2	7								Tipo di acciaio non contemplato
1C	56	-1436	-5	0	0	0	6								Tipo di acciaio non contemplato
1D	56	-1436	-1	0	0	0	7								Tipo di acciaio non contemplato
1E	56	1148	-5	1	0	2	6								Tipo di acciaio non contemplato
1F	56	1148	-1	1	0	2	7								Tipo di acciaio non contemplato
1G	56	1148	-5	0	0	0	6								Tipo di acciaio non contemplato
1H	56	1148	-1	0	0	0	7								Tipo di acciaio non contemplato
1I	56	-2360	-6	1	0	3	10								Tipo di acciaio non contemplato
1J	56	-2360	-0	1	0	3	3								Tipo di acciaio non contemplato
1K	56	-2360	-6	0	0	-1	10								Tipo di acciaio non contemplato
1L	56	-2360	-0	0	0	-1	3								Tipo di acciaio non contemplato
1M	56	2072	-6	1	0	3	10								Tipo di acciaio non contemplato
1N	56	2072	-0	1	0	3	3								Tipo di acciaio non contemplato
1O	56	2072	-6	0	0	-1	10								Tipo di acciaio non contemplato
1P	56	2072	-0	0	0	-1	3								Tipo di acciaio non contemplato
2	56	-204	-3	1	0	0	10								Tipo di acciaio non contemplato
7	56	-155	-3	1	0	0	9								Tipo di acciaio non contemplato
8	56	-210	-3	1	0	0	9								Tipo di acciaio non contemplato
1A	112	-1436	-10	1	0	2	1								Tipo di acciaio non contemplato
1B	112	-1436	-6	1	0	2	5								Tipo di acciaio non contemplato
1C	112	-1436	-10	0	0	-1	1								Tipo di acciaio non contemplato
1D	112	-1436	-6	0	0	-1	5								Tipo di acciaio non contemplato
1E	112	1148	-10	1	0	2	1								Tipo di acciaio non contemplato
1F	112	1148	-6	1	0	2	5								Tipo di acciaio non contemplato
1G	112	1148	-10	0	0	-1	1								Tipo di acciaio non contemplato
1H	112	1148	-6	0	0	-1	5								Tipo di acciaio non contemplato
1I	112	-2360	-11	1	0	2	6								Tipo di acciaio non contemplato
1J	112	-2360	-5	1	0	2	0								Tipo di acciaio non contemplato
1K	112	-2360	-11	0	0	-2	6								Tipo di acciaio non contemplato
1L	112	-2360	-5	0	0	-2	0								Tipo di acciaio non contemplato
1M	112	2072	-11	1	0	2	6								Tipo di acciaio non contemplato
1N	112	2072	-5	1	0	2	0								Tipo di acciaio non contemplato
1O	112	2072	-11	0	0	-2	6								Tipo di acciaio non contemplato
1P	112	2072	-5	0	0	-2	0								Tipo di acciaio non contemplato
2	112	-204	-9	1	0	0	6								Tipo di acciaio non contemplato
7	112	-155	-10	1	0	0	6								Tipo di acciaio non contemplato
8	112	-210	-10	1	0	0	6								Tipo di acciaio non contemplato

ASTA NUM. 39 NI 957 NF 898 Lungh. 134.5 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-4838	6	1	0	1	1								Tipo di acciaio non contemplato
1B	0	-4838	12	1	0	1	-9								Tipo di acciaio non contemplato
1C	0	-4838	6	-5	0	-2	1								Tipo di acciaio non contemplato
1D	0	-4838	12	-5	0	-2	-9								Tipo di acciaio non contemplato
1E	0	3886	6	1	0	1	1								Tipo di acciaio non contemplato
1F	0	3886	12	1	0	1	-9								Tipo di acciaio non contemplato
1G	0	3886	6	-5	0	-2	1								Tipo di acciaio non contemplato
1H	0	3886	12	-5	0	-2	-9								Tipo di acciaio non contemplato
1I	0	-9119	7	5	0	3	1								Tipo di acciaio non contemplato
1J	0	-9119	10	5	0	3	-9								Tipo di acciaio non contemplato
1K	0	-9119	7	-9	0	-3	1								Tipo di acciaio non contemplato
1L	0	-9119	10	-9	0	-3	-9								Tipo di acciaio non contemplato
1M	0	8168	7	5	0	3	1								Tipo di acciaio non contemplato
1N	0	8168	10	5	0	3	-9								Tipo di acciaio non contemplato
1O	0	8168	7	-9	0	-3	1								Tipo di acciaio non contemplato
1P	0	8168	10	-9	0	-3	-9								Tipo di acciaio non contemplato
2	0	773	11	-2	0	0	-4								Tipo di acciaio non contemplato
7	0	534	11	-2	0	0	-4								Tipo di acciaio non contemplato

8	0	331	11	-2	0	0	-4							Tipo di acciaio non contemplato
1A	67	-4838	-0	1	0	0	3							Tipo di acciaio non contemplato
1B	67	-4838	6	1	0	0	-4							Tipo di acciaio non contemplato
1C	67	-4838	-0	-5	0	2	3							Tipo di acciaio non contemplato
1D	67	-4838	6	-5	0	2	-4							Tipo di acciaio non contemplato
1E	67	3886	-0	1	0	0	3							Tipo di acciaio non contemplato
1F	67	3886	6	1	0	0	-4							Tipo di acciaio non contemplato
1G	67	3886	-0	-5	0	2	3							Tipo di acciaio non contemplato
1H	67	3886	6	-5	0	2	-4							Tipo di acciaio non contemplato
1I	67	-9119	1	5	0	0	5							Tipo di acciaio non contemplato
1J	67	-9119	4	5	0	0	-5							Tipo di acciaio non contemplato
1K	67	-9119	1	-9	0	3	5							Tipo di acciaio non contemplato
1L	67	-9119	4	-9	0	3	-5							Tipo di acciaio non contemplato
1M	67	8168	1	5	0	0	5							Tipo di acciaio non contemplato
1N	67	8168	4	5	0	0	-5							Tipo di acciaio non contemplato
1O	67	8168	1	-9	0	3	5							Tipo di acciaio non contemplato
1P	67	8168	4	-9	0	3	-5							Tipo di acciaio non contemplato
2	67	773	3	-2	0	2	0							Tipo di acciaio non contemplato
7	67	534	3	-2	0	2	0							Tipo di acciaio non contemplato
8	67	331	3	-2	0	2	0							Tipo di acciaio non contemplato
1A	135	-4838	-6	1	0	0	1							Tipo di acciaio non contemplato
1B	135	-4838	-0	1	0	0	-2							Tipo di acciaio non contemplato
1C	135	-4838	-6	-5	0	5	1							Tipo di acciaio non contemplato
1D	135	-4838	-0	-5	0	5	-2							Tipo di acciaio non contemplato
1E	135	3886	-6	1	0	0	1							Tipo di acciaio non contemplato
1F	135	3886	-0	1	0	0	-2							Tipo di acciaio non contemplato
1G	135	3886	-6	-5	0	5	1							Tipo di acciaio non contemplato
1H	135	3886	-0	-5	0	5	-2							Tipo di acciaio non contemplato
1I	135	-9119	-5	5	0	-4	4							Tipo di acciaio non contemplato
1J	135	-9119	-2	5	0	-4	-5							Tipo di acciaio non contemplato
1K	135	-9119	-5	-9	0	9	4							Tipo di acciaio non contemplato
1L	135	-9119	-2	-9	0	9	-5							Tipo di acciaio non contemplato
1M	135	8168	-5	5	0	-4	4							Tipo di acciaio non contemplato
1N	135	8168	-2	5	0	-4	-5							Tipo di acciaio non contemplato
1O	135	8168	-5	-9	0	9	4							Tipo di acciaio non contemplato
1P	135	8168	-2	-9	0	9	-5							Tipo di acciaio non contemplato
2	135	773	-5	-2	0	3	0							Tipo di acciaio non contemplato
7	135	534	-5	-2	0	3	0							Tipo di acciaio non contemplato
8	135	331	-5	-2	0	3	0							Tipo di acciaio non contemplato

ASTA NUM. 40 NI 898 NF 959 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-1442	10	-0	0	0	0								Tipo di acciaio non contemplato
1B	0	-1442	11	-0	0	0	-1								Tipo di acciaio non contemplato
1C	0	-1442	10	-1	0	-1	0								Tipo di acciaio non contemplato
1D	0	-1442	11	-1	0	-1	-1								Tipo di acciaio non contemplato
1E	0	6224	10	-0	0	0	0								Tipo di acciaio non contemplato
1F	0	6224	11	-0	0	0	-1								Tipo di acciaio non contemplato
1G	0	6224	10	-1	0	-1	0								Tipo di acciaio non contemplato
1H	0	6224	11	-1	0	-1	-1								Tipo di acciaio non contemplato
1I	0	-7554	9	0	0	1	0								Tipo di acciaio non contemplato
1J	0	-7554	12	0	0	1	-2								Tipo di acciaio non contemplato
1K	0	-7554	9	-1	0	-2	0								Tipo di acciaio non contemplato
1L	0	-7554	12	-1	0	-2	-2								Tipo di acciaio non contemplato
1M	0	12336	9	0	0	1	0								Tipo di acciaio non contemplato
1N	0	12336	12	0	0	1	-2								Tipo di acciaio non contemplato
1O	0	12336	9	-1	0	-2	0								Tipo di acciaio non contemplato
1P	0	12336	12	-1	0	-2	-2								Tipo di acciaio non contemplato
2	0	2987	14	-1	0	0	-1								Tipo di acciaio non contemplato
7	0	3025	14	-1	0	0	-1								Tipo di acciaio non contemplato
8	0	3021	14	-1	0	0	-1								Tipo di acciaio non contemplato
1A	110	-1442	0	-0	0	0	6								Tipo di acciaio non contemplato
1B	110	-1442	1	-0	0	0	4								Tipo di acciaio non contemplato
1C	110	-1442	0	-1	0	0	6								Tipo di acciaio non contemplato
1D	110	-1442	1	-1	0	0	4								Tipo di acciaio non contemplato
1E	110	6224	0	-0	0	0	6								Tipo di acciaio non contemplato
1F	110	6224	1	-0	0	0	4								Tipo di acciaio non contemplato
1G	110	6224	0	-1	0	0	6								Tipo di acciaio non contemplato
1H	110	6224	1	-1	0	0	4								Tipo di acciaio non contemplato
1I	110	-7554	-1	0	0	0	8								Tipo di acciaio non contemplato
1J	110	-7554	2	0	0	0	3								Tipo di acciaio non contemplato
1K	110	-7554	-1	-1	0	0	8								Tipo di acciaio non contemplato
1L	110	-7554	2	-1	0	0	3								Tipo di acciaio non contemplato
1M	110	12336	-1	0	0	0	8								Tipo di acciaio non contemplato
1N	110	12336	2	0	0	0	3								Tipo di acciaio non contemplato
1O	110	12336	-1	-1	0	0	8								Tipo di acciaio non contemplato
1P	110	12336	2	-1	0	0	3								Tipo di acciaio non contemplato
2	110	2987	1	-1	0	0	7								Tipo di acciaio non contemplato
7	110	3025	1	-1	0	0	7								Tipo di acciaio non contemplato
8	110	3021	1	-1	0	0	7								Tipo di acciaio non contemplato
1A	219	-1442	-9	-0	0	1	2								Tipo di acciaio non contemplato
1B	219	-1442	-8	-0	0	1	0								Tipo di acciaio non contemplato
1C	219	-1442	-9	-1	0	0	2								Tipo di acciaio non contemplato
1D	219	-1442	-8	-1	0	0	0								Tipo di acciaio non contemplato
1E	219	6224	-9	-0	0	1	2								Tipo di acciaio non contemplato

1F	219	6224	-8	-0	0	1	0						Tipo di acciaio non contemplato
1G	219	6224	-9	-1	0	0	2						Tipo di acciaio non contemplato
1H	219	6224	-8	-1	0	0	0						Tipo di acciaio non contemplato
1I	219	-7554	-10	0	0	0	5						Tipo di acciaio non contemplato
1J	219	-7554	-7	0	0	0	-3						Tipo di acciaio non contemplato
1K	219	-7554	-10	-1	0	1	5						Tipo di acciaio non contemplato
1L	219	-7554	-7	-1	0	1	-3						Tipo di acciaio non contemplato
1M	219	12336	-10	0	0	0	5						Tipo di acciaio non contemplato
1N	219	12336	-7	0	0	0	-3						Tipo di acciaio non contemplato
1O	219	12336	-10	-1	0	1	5						Tipo di acciaio non contemplato
1P	219	12336	-7	-1	0	1	-3						Tipo di acciaio non contemplato
2	219	2987	-12	-1	0	0	0						Tipo di acciaio non contemplato
7	219	3025	-12	-1	0	0	0						Tipo di acciaio non contemplato
8	219	3021	-12	-1	0	0	0						Tipo di acciaio non contemplato

ASTA NUM. 41 NI 958 NF 898 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-222	-3	10	0	5	2								Tipo di acciaio non contemplato
1B	0	-222	7	10	0	5	-2								Tipo di acciaio non contemplato
1C	0	-222	-3	-20	0	-8	2								Tipo di acciaio non contemplato
1D	0	-222	7	-20	0	-8	-2								Tipo di acciaio non contemplato
1E	0	408	-3	10	0	5	2								Tipo di acciaio non contemplato
1F	0	408	7	10	0	5	-2								Tipo di acciaio non contemplato
1G	0	408	-3	-20	0	-8	2								Tipo di acciaio non contemplato
1H	0	408	7	-20	0	-8	-2								Tipo di acciaio non contemplato
1I	0	-544	-7	29	0	13	3								Tipo di acciaio non contemplato
1J	0	-544	11	29	0	13	-3								Tipo di acciaio non contemplato
1K	0	-544	-7	-39	0	-16	3								Tipo di acciaio non contemplato
1L	0	-544	11	-39	0	-16	-3								Tipo di acciaio non contemplato
1M	0	730	-7	29	0	13	3								Tipo di acciaio non contemplato
1N	0	730	11	29	0	13	-3								Tipo di acciaio non contemplato
1O	0	730	-7	-39	0	-16	3								Tipo di acciaio non contemplato
1P	0	730	11	-39	0	-16	-3								Tipo di acciaio non contemplato
2	0	189	4	-5	0	0	0								Tipo di acciaio non contemplato
7	0	179	5	-5	0	0	0								Tipo di acciaio non contemplato
8	0	167	4	-5	0	0	0								Tipo di acciaio non contemplato
1A	45	-222	-7	10	0	0	0								Tipo di acciaio non contemplato
1B	45	-222	3	10	0	0	0								Tipo di acciaio non contemplato
1C	45	-222	-7	-20	0	1	0								Tipo di acciaio non contemplato
1D	45	-222	3	-20	0	1	0								Tipo di acciaio non contemplato
1E	45	408	-7	10	0	0	0								Tipo di acciaio non contemplato
1F	45	408	3	10	0	0	0								Tipo di acciaio non contemplato
1G	45	408	-7	-20	0	1	0								Tipo di acciaio non contemplato
1H	45	408	3	-20	0	1	0								Tipo di acciaio non contemplato
1I	45	-544	-11	29	0	0	0								Tipo di acciaio non contemplato
1J	45	-544	7	29	0	0	1								Tipo di acciaio non contemplato
1K	45	-544	-11	-39	0	2	0								Tipo di acciaio non contemplato
1L	45	-544	7	-39	0	2	1								Tipo di acciaio non contemplato
1M	45	730	-11	29	0	0	0								Tipo di acciaio non contemplato
1N	45	730	7	29	0	0	1								Tipo di acciaio non contemplato
1O	45	730	-11	-39	0	2	0								Tipo di acciaio non contemplato
1P	45	730	7	-39	0	2	1								Tipo di acciaio non contemplato
2	45	189	-1	-5	0	2	1								Tipo di acciaio non contemplato
7	45	179	-1	-5	0	2	0								Tipo di acciaio non contemplato
8	45	167	-1	-5	0	2	0								Tipo di acciaio non contemplato
1A	90	-222	-11	10	0	-3	-4								Tipo di acciaio non contemplato
1B	90	-222	-1	10	0	-3	0								Tipo di acciaio non contemplato
1C	90	-222	-11	-20	0	10	-4								Tipo di acciaio non contemplato
1D	90	-222	-1	-20	0	10	0								Tipo di acciaio non contemplato
1E	90	408	-11	10	0	-3	-4								Tipo di acciaio non contemplato
1F	90	408	-1	10	0	-3	0								Tipo di acciaio non contemplato
1G	90	408	-11	-20	0	10	-4								Tipo di acciaio non contemplato
1H	90	408	-1	-20	0	10	0								Tipo di acciaio non contemplato
1I	90	-544	-15	29	0	-13	-6								Tipo di acciaio non contemplato
1J	90	-544	3	29	0	-13	3								Tipo di acciaio non contemplato
1K	90	-544	-15	-39	0	20	-6								Tipo di acciaio non contemplato
1L	90	-544	3	-39	0	20	3								Tipo di acciaio non contemplato
1M	90	730	-15	29	0	-13	-6								Tipo di acciaio non contemplato
1N	90	730	3	29	0	-13	3								Tipo di acciaio non contemplato
1O	90	730	-15	-39	0	20	-6								Tipo di acciaio non contemplato
1P	90	730	3	-39	0	20	3								Tipo di acciaio non contemplato
2	90	189	-6	-5	0	4	0								Tipo di acciaio non contemplato
7	90	179	-6	-5	0	4	0								Tipo di acciaio non contemplato
8	90	167	-6	-5	0	4	0								Tipo di acciaio non contemplato

ASTA NUM. 42 NI 959 NF 896 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-793	-6	6	0	2	4								Tipo di acciaio non contemplato

1B	0	-793	9	6	0	2	-2							Tipo di acciaio non contemplato
1C	0	-793	-6	-26	0	-12	4							Tipo di acciaio non contemplato
1D	0	-793	9	-26	0	-12	-2							Tipo di acciaio non contemplato
1E	0	-297	-6	6	0	2	4							Tipo di acciaio non contemplato
1F	0	-297	9	6	0	2	-2							Tipo di acciaio non contemplato
1G	0	-297	-6	-26	0	-12	4							Tipo di acciaio non contemplato
1H	0	-297	9	-26	0	-12	-2							Tipo di acciaio non contemplato
1I	0	-1039	-16	29	0	13	8							Tipo di acciaio non contemplato
1J	0	-1039	19	29	0	13	-7							Tipo di acciaio non contemplato
1K	0	-1039	-16	-49	0	-22	8							Tipo di acciaio non contemplato
1L	0	-1039	19	-49	0	-22	-7							Tipo di acciaio non contemplato
1M	0	-51	-16	29	0	13	8							Tipo di acciaio non contemplato
1N	0	-51	19	29	0	13	-7							Tipo di acciaio non contemplato
1O	0	-51	-16	-49	0	-22	8							Tipo di acciaio non contemplato
1P	0	-51	19	-49	0	-22	-7							Tipo di acciaio non contemplato
2	0	-693	2	-13	0	-6	1							Tipo di acciaio non contemplato
7	0	-701	2	-13	0	-6	0							Tipo di acciaio non contemplato
8	0	-697	2	-13	0	-6	1							Tipo di acciaio non contemplato
1A	45	-793	-10	6	0	0	0							Tipo di acciaio non contemplato
1B	45	-793	5	6	0	0	0							Tipo di acciaio non contemplato
1C	45	-793	-10	-26	0	0	0							Tipo di acciaio non contemplato
1D	45	-793	5	-26	0	0	0							Tipo di acciaio non contemplato
1E	45	-297	-10	6	0	0	0							Tipo di acciaio non contemplato
1F	45	-297	5	6	0	0	0							Tipo di acciaio non contemplato
1G	45	-297	-10	-26	0	0	0							Tipo di acciaio non contemplato
1H	45	-297	5	-26	0	0	0							Tipo di acciaio non contemplato
1I	45	-1039	-20	29	0	0	0							Tipo di acciaio non contemplato
1J	45	-1039	15	29	0	0	0							Tipo di acciaio non contemplato
1K	45	-1039	-20	-49	0	0	0							Tipo di acciaio non contemplato
1L	45	-1039	15	-49	0	0	0							Tipo di acciaio non contemplato
1M	45	-51	-20	29	0	0	0							Tipo di acciaio non contemplato
1N	45	-51	15	29	0	0	0							Tipo di acciaio non contemplato
1O	45	-51	-20	-49	0	0	0							Tipo di acciaio non contemplato
1P	45	-51	15	-49	0	0	0							Tipo di acciaio non contemplato
2	45	-693	-3	-13	0	0	0							Tipo di acciaio non contemplato
7	45	-701	-3	-13	0	0	0							Tipo di acciaio non contemplato
8	45	-697	-4	-13	0	0	0							Tipo di acciaio non contemplato
1A	90	-793	-14	6	0	-3	-5							Tipo di acciaio non contemplato
1B	90	-793	1	6	0	-3	2							Tipo di acciaio non contemplato
1C	90	-793	-14	-26	0	11	-5							Tipo di acciaio non contemplato
1D	90	-793	1	-26	0	11	2							Tipo di acciaio non contemplato
1E	90	-297	-14	6	0	-3	-5							Tipo di acciaio non contemplato
1F	90	-297	1	6	0	-3	2							Tipo di acciaio non contemplato
1G	90	-297	-14	-26	0	11	-5							Tipo di acciaio non contemplato
1H	90	-297	1	-26	0	11	2							Tipo di acciaio non contemplato
1I	90	-1039	-24	29	0	-13	-10							Tipo di acciaio non contemplato
1J	90	-1039	11	29	0	-13	7							Tipo di acciaio non contemplato
1K	90	-1039	-24	-49	0	22	-10							Tipo di acciaio non contemplato
1L	90	-1039	11	-49	0	22	7							Tipo di acciaio non contemplato
1M	90	-51	-24	29	0	-13	-10							Tipo di acciaio non contemplato
1N	90	-51	11	29	0	-13	7							Tipo di acciaio non contemplato
1O	90	-51	-24	-49	0	22	-10							Tipo di acciaio non contemplato
1P	90	-51	11	-49	0	22	7							Tipo di acciaio non contemplato
2	90	-693	-9	-13	0	6	-2							Tipo di acciaio non contemplato
7	90	-701	-8	-13	0	6	-2							Tipo di acciaio non contemplato
8	90	-697	-9	-13	0	6	-2							Tipo di acciaio non contemplato

ASTA NUM. 43 NI 959 NF 894 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-4175	9	1	0	0	0								Tipo di acciaio non contemplato
1B	0	-4175	10	1	0	0	0								Tipo di acciaio non contemplato
1C	0	-4175	9	-0	0	-2	0								Tipo di acciaio non contemplato
1D	0	-4175	10	-0	0	-2	0								Tipo di acciaio non contemplato
1E	0	2155	9	1	0	0	0								Tipo di acciaio non contemplato
1F	0	2155	10	1	0	0	0								Tipo di acciaio non contemplato
1G	0	2155	9	-0	0	-2	0								Tipo di acciaio non contemplato
1H	0	2155	10	-0	0	-2	0								Tipo di acciaio non contemplato
1I	0	-8467	8	1	0	3	1								Tipo di acciaio non contemplato
1J	0	-8467	11	1	0	3	0								Tipo di acciaio non contemplato
1K	0	-8467	8	-0	0	-4	1								Tipo di acciaio non contemplato
1L	0	-8467	11	-0	0	-4	0								Tipo di acciaio non contemplato
1M	0	6447	8	1	0	3	1								Tipo di acciaio non contemplato
1N	0	6447	11	1	0	3	0								Tipo di acciaio non contemplato
1O	0	6447	8	-0	0	-4	1								Tipo di acciaio non contemplato
1P	0	6447	11	-0	0	-4	0								Tipo di acciaio non contemplato
2	0	-1297	13	0	0	-1	0								Tipo di acciaio non contemplato
7	0	-1300	13	0	0	-1	0								Tipo di acciaio non contemplato
8	0	-1302	13	0	0	-1	0								Tipo di acciaio non contemplato
1A	110	-4175	-1	1	0	0	5								Tipo di acciaio non contemplato
1B	110	-4175	1	1	0	0	6								Tipo di acciaio non contemplato
1C	110	-4175	-1	-0	0	-2	5								Tipo di acciaio non contemplato
1D	110	-4175	1	-0	0	-2	6								Tipo di acciaio non contemplato
1E	110	2155	-1	1	0	0	5								Tipo di acciaio non contemplato
1F	110	2155	1	1	0	0	6								Tipo di acciaio non contemplato
1G	110	2155	-1	-0	0	-2	5								Tipo di acciaio non contemplato
1H	110	2155	1	-0	0	-2	6								Tipo di acciaio non contemplato

1I	110	-8467	-1	1	0	2	8							Tipo di acciaio non contemplato
1J	110	-8467	1	1	0	2	3							Tipo di acciaio non contemplato
1K	110	-8467	-1	-0	0	-4	8							Tipo di acciaio non contemplato
1L	110	-8467	1	-0	0	-4	3							Tipo di acciaio non contemplato
1M	110	6447	-1	1	0	2	8							Tipo di acciaio non contemplato
1N	110	6447	1	1	0	2	3							Tipo di acciaio non contemplato
1O	110	6447	-1	-0	0	-4	8							Tipo di acciaio non contemplato
1P	110	6447	1	-0	0	-4	3							Tipo di acciaio non contemplato
2	110	-1297	-0	0	0	-1	7							Tipo di acciaio non contemplato
7	110	-1300	0	0	0	-1	7							Tipo di acciaio non contemplato
8	110	-1302	-0	0	0	-1	7							Tipo di acciaio non contemplato
1A	219	-4175	-10	1	0	0	0							Tipo di acciaio non contemplato
1B	219	-4175	-9	1	0	0	1							Tipo di acciaio non contemplato
1C	219	-4175	-10	-0	0	-2	0							Tipo di acciaio non contemplato
1D	219	-4175	-9	-0	0	-2	1							Tipo di acciaio non contemplato
1E	219	2155	-10	1	0	0	0							Tipo di acciaio non contemplato
1F	219	2155	-9	1	0	0	1							Tipo di acciaio non contemplato
1G	219	2155	-10	-0	0	-2	0							Tipo di acciaio non contemplato
1H	219	2155	-9	-0	0	-2	1							Tipo di acciaio non contemplato
1I	219	-8467	-11	1	0	0	3							Tipo di acciaio non contemplato
1J	219	-8467	-8	1	0	0	-3							Tipo di acciaio non contemplato
1K	219	-8467	-11	-0	0	-4	3							Tipo di acciaio non contemplato
1L	219	-8467	-8	-0	0	-4	-3							Tipo di acciaio non contemplato
1M	219	6447	-11	1	0	0	3							Tipo di acciaio non contemplato
1N	219	6447	-8	1	0	0	-3							Tipo di acciaio non contemplato
1O	219	6447	-11	-0	0	-4	3							Tipo di acciaio non contemplato
1P	219	6447	-8	-0	0	-4	-3							Tipo di acciaio non contemplato
2	219	-1297	-13	0	0	-2	0							Tipo di acciaio non contemplato
7	219	-1300	-13	0	0	-2	0							Tipo di acciaio non contemplato
8	219	-1302	-13	0	0	-2	0							Tipo di acciaio non contemplato

ASTA NUM. 44 NI 894 NF 961 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-547	10	-1	0	0	0								Tipo di acciaio non contemplato
1B	0	-547	11	-1	0	0	0								Tipo di acciaio non contemplato
1C	0	-547	10	-1	0	-3	0								Tipo di acciaio non contemplato
1D	0	-547	11	-1	0	-3	0								Tipo di acciaio non contemplato
1E	0	3003	10	-1	0	0	0								Tipo di acciaio non contemplato
1F	0	3003	11	-1	0	0	0								Tipo di acciaio non contemplato
1G	0	3003	10	-1	0	-3	0								Tipo di acciaio non contemplato
1H	0	3003	11	-1	0	-3	0								Tipo di acciaio non contemplato
1I	0	-2669	8	-0	0	2	1								Tipo di acciaio non contemplato
1J	0	-2669	12	-0	0	2	0								Tipo di acciaio non contemplato
1K	0	-2669	8	-1	0	-6	1								Tipo di acciaio non contemplato
1L	0	-2669	12	-1	0	-6	0								Tipo di acciaio non contemplato
1M	0	5125	8	-0	0	2	1								Tipo di acciaio non contemplato
1N	0	5125	12	-0	0	2	0								Tipo di acciaio non contemplato
1O	0	5125	8	-1	0	-6	1								Tipo di acciaio non contemplato
1P	0	5125	12	-1	0	-6	0								Tipo di acciaio non contemplato
2	0	1534	13	-1	0	-2	0								Tipo di acciaio non contemplato
7	0	1553	13	-1	0	-2	0								Tipo di acciaio non contemplato
8	0	1552	13	-1	0	-2	0								Tipo di acciaio non contemplato
1A	110	-547	-0	-1	0	0	7								Tipo di acciaio non contemplato
1B	110	-547	1	-1	0	0	5								Tipo di acciaio non contemplato
1C	110	-547	-0	-1	0	-2	7								Tipo di acciaio non contemplato
1D	110	-547	1	-1	0	-2	5								Tipo di acciaio non contemplato
1E	110	3003	-0	-1	0	0	7								Tipo di acciaio non contemplato
1F	110	3003	1	-1	0	0	5								Tipo di acciaio non contemplato
1G	110	3003	-0	-1	0	-2	7								Tipo di acciaio non contemplato
1H	110	3003	1	-1	0	-2	5								Tipo di acciaio non contemplato
1I	110	-2669	-1	-0	0	2	8								Tipo di acciaio non contemplato
1J	110	-2669	2	-0	0	2	4								Tipo di acciaio non contemplato
1K	110	-2669	-1	-1	0	-4	8								Tipo di acciaio non contemplato
1L	110	-2669	2	-1	0	-4	4								Tipo di acciaio non contemplato
1M	110	5125	-1	-0	0	2	8								Tipo di acciaio non contemplato
1N	110	5125	2	-0	0	2	4								Tipo di acciaio non contemplato
1O	110	5125	-1	-1	0	-4	8								Tipo di acciaio non contemplato
1P	110	5125	2	-1	0	-4	4								Tipo di acciaio non contemplato
2	110	1534	1	-1	0	-1	8								Tipo di acciaio non contemplato
7	110	1553	0	-1	0	-1	8								Tipo di acciaio non contemplato
8	110	1552	1	-1	0	-1	8								Tipo di acciaio non contemplato
1A	219	-547	-10	-1	0	0	2								Tipo di acciaio non contemplato
1B	219	-547	-9	-1	0	0	0								Tipo di acciaio non contemplato
1C	219	-547	-10	-1	0	-1	2								Tipo di acciaio non contemplato
1D	219	-547	-9	-1	0	-1	0								Tipo di acciaio non contemplato
1E	219	3003	-10	-1	0	0	2								Tipo di acciaio non contemplato
1F	219	3003	-9	-1	0	0	0								Tipo di acciaio non contemplato
1G	219	3003	-10	-1	0	-1	2								Tipo di acciaio non contemplato
1H	219	3003	-9	-1	0	-1	0								Tipo di acciaio non contemplato
1I	219	-2669	-11	-0	0	3	5								Tipo di acciaio non contemplato
1J	219	-2669	-8	-0	0	3	-2								Tipo di acciaio non contemplato
1K	219	-2669	-11	-1	0	-3	5								Tipo di acciaio non contemplato
1L	219	-2669	-8	-1	0	-3	-2								Tipo di acciaio non contemplato
1M	219	5125	-11	-0	0	3	5								Tipo di acciaio non contemplato
1N	219	5125	-8	-0	0	3	-2								Tipo di acciaio non contemplato
1O	219	5125	-11	-1	0	-3	5								Tipo di acciaio non contemplato

1P	219	5125	-8	-1	0	-3	-2							Tipo di acciaio non contemplato
2	219	1534	-12	-1	0	0	1							Tipo di acciaio non contemplato
7	219	1553	-12	-1	0	0	1							Tipo di acciaio non contemplato
8	219	1552	-12	-1	0	0	2							Tipo di acciaio non contemplato

ASTA NUM. 45 NI 960 NF 894 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-415	-12	6	0	3	7								Tipo di acciaio non contemplato
1B	0	-415	7	6	0	3	-1								Tipo di acciaio non contemplato
1C	0	-415	-12	-12	0	-5	7								Tipo di acciaio non contemplato
1D	0	-415	7	-12	0	-5	-1								Tipo di acciaio non contemplato
1E	0	143	-12	6	0	3	7								Tipo di acciaio non contemplato
1F	0	143	7	6	0	3	-1								Tipo di acciaio non contemplato
1G	0	143	-12	-12	0	-5	7								Tipo di acciaio non contemplato
1H	0	143	7	-12	0	-5	-1								Tipo di acciaio non contemplato
1I	0	-851	-29	20	0	9	15								Tipo di acciaio non contemplato
1J	0	-851	23	20	0	9	-9								Tipo di acciaio non contemplato
1K	0	-851	-29	-25	0	-11	15								Tipo di acciaio non contemplato
1L	0	-851	23	-25	0	-11	-9								Tipo di acciaio non contemplato
1M	0	579	-29	20	0	9	15								Tipo di acciaio non contemplato
1N	0	579	23	20	0	9	-9								Tipo di acciaio non contemplato
1O	0	579	-29	-25	0	-11	15								Tipo di acciaio non contemplato
1P	0	579	23	-25	0	-11	-9								Tipo di acciaio non contemplato
2	0	-169	-4	-3	0	-1	4								Tipo di acciaio non contemplato
7	0	-170	-3	-4	0	-1	4								Tipo di acciaio non contemplato
8	0	-171	-4	-4	0	-1	4								Tipo di acciaio non contemplato
1A	45	-415	-16	6	0	0	1								Tipo di acciaio non contemplato
1B	45	-415	3	6	0	0	0								Tipo di acciaio non contemplato
1C	45	-415	-16	-12	0	0	1								Tipo di acciaio non contemplato
1D	45	-415	3	-12	0	0	0								Tipo di acciaio non contemplato
1E	45	143	-16	6	0	0	1								Tipo di acciaio non contemplato
1F	45	143	3	6	0	0	0								Tipo di acciaio non contemplato
1G	45	143	-16	-12	0	0	1								Tipo di acciaio non contemplato
1H	45	143	3	-12	0	0	0								Tipo di acciaio non contemplato
1I	45	-851	-33	20	0	0	2								Tipo di acciaio non contemplato
1J	45	-851	19	20	0	0	0								Tipo di acciaio non contemplato
1K	45	-851	-33	-25	0	0	2								Tipo di acciaio non contemplato
1L	45	-851	19	-25	0	0	0								Tipo di acciaio non contemplato
1M	45	579	-33	20	0	0	2								Tipo di acciaio non contemplato
1N	45	579	19	20	0	0	0								Tipo di acciaio non contemplato
1O	45	579	-33	-25	0	0	2								Tipo di acciaio non contemplato
1P	45	579	19	-25	0	0	0								Tipo di acciaio non contemplato
2	45	-169	-9	-3	0	0	1								Tipo di acciaio non contemplato
7	45	-170	-8	-4	0	0	1								Tipo di acciaio non contemplato
8	45	-171	-9	-4	0	0	1								Tipo di acciaio non contemplato
1A	90	-415	-20	6	0	-3	-7								Tipo di acciaio non contemplato
1B	90	-415	-1	6	0	-3	1								Tipo di acciaio non contemplato
1C	90	-415	-20	-12	0	6	-7								Tipo di acciaio non contemplato
1D	90	-415	-1	-12	0	6	1								Tipo di acciaio non contemplato
1E	90	143	-20	6	0	-3	-7								Tipo di acciaio non contemplato
1F	90	143	-1	6	0	-3	1								Tipo di acciaio non contemplato
1G	90	143	-20	-12	0	6	-7								Tipo di acciaio non contemplato
1H	90	143	-1	-12	0	6	1								Tipo di acciaio non contemplato
1I	90	-851	-37	20	0	-9	-14								Tipo di acciaio non contemplato
1J	90	-851	15	20	0	-9	8								Tipo di acciaio non contemplato
1K	90	-851	-37	-25	0	12	-14								Tipo di acciaio non contemplato
1L	90	-851	15	-25	0	12	8								Tipo di acciaio non contemplato
1M	90	579	-37	20	0	-9	-14								Tipo di acciaio non contemplato
1N	90	579	15	20	0	-9	8								Tipo di acciaio non contemplato
1O	90	579	-37	-25	0	12	-14								Tipo di acciaio non contemplato
1P	90	579	15	-25	0	12	8								Tipo di acciaio non contemplato
2	90	-169	-15	-3	0	2	-4								Tipo di acciaio non contemplato
7	90	-170	-14	-4	0	2	-4								Tipo di acciaio non contemplato
8	90	-171	-15	-4	0	2	-4								Tipo di acciaio non contemplato

ASTA NUM. 46 NI 961 NF 892 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1261	-12	5	0	2	7								Tipo di acciaio non contemplato
1B	0	-1261	6	5	0	2	-1								Tipo di acciaio non contemplato
1C	0	-1261	-12	-5	0	-2	7								Tipo di acciaio non contemplato
1D	0	-1261	6	-5	0	-2	-1								Tipo di acciaio non contemplato
1E	0	-554	-12	5	0	2	7								Tipo di acciaio non contemplato
1F	0	-554	6	5	0	2	-1								Tipo di acciaio non contemplato
1G	0	-554	-12	-5	0	-2	7								Tipo di acciaio non contemplato
1H	0	-554	6	-5	0	-2	-1								Tipo di acciaio non contemplato
1I	0	-2017	-31	6	0	3	15								Tipo di acciaio non contemplato
1J	0	-2017	25	6	0	3	-9								Tipo di acciaio non contemplato
1K	0	-2017	-31	-6	0	-3	15								Tipo di acciaio non contemplato

1L	0	-2017	25	-6	0	-3	-9	Tipo di acciaio non contemplato
1M	0	202	-31	6	0	3	15	Tipo di acciaio non contemplato
1N	0	202	25	6	0	3	-9	Tipo di acciaio non contemplato
1O	0	202	-31	-6	0	-3	15	Tipo di acciaio non contemplato
1P	0	202	25	-6	0	-3	-9	Tipo di acciaio non contemplato
2	0	-1167	-5	-0	0	0	4	Tipo di acciaio non contemplato
7	0	-1174	-4	-0	0	0	3	Tipo di acciaio non contemplato
8	0	-1170	-5	-0	0	0	4	Tipo di acciaio non contemplato
1A	45	-1261	-16	5	0	0	0	Tipo di acciaio non contemplato
1B	45	-1261	2	5	0	0	0	Tipo di acciaio non contemplato
1C	45	-1261	-16	-5	0	0	0	Tipo di acciaio non contemplato
1D	45	-1261	2	-5	0	0	0	Tipo di acciaio non contemplato
1E	45	-554	-16	5	0	0	0	Tipo di acciaio non contemplato
1F	45	-554	2	5	0	0	0	Tipo di acciaio non contemplato
1G	45	-554	-16	-5	0	0	0	Tipo di acciaio non contemplato
1H	45	-554	2	-5	0	0	0	Tipo di acciaio non contemplato
1I	45	-2017	-35	6	0	0	0	Tipo di acciaio non contemplato
1J	45	-2017	21	6	0	0	0	Tipo di acciaio non contemplato
1K	45	-2017	-35	-6	0	0	0	Tipo di acciaio non contemplato
1L	45	-2017	21	-6	0	0	0	Tipo di acciaio non contemplato
1M	45	202	-35	6	0	0	0	Tipo di acciaio non contemplato
1N	45	202	21	6	0	0	0	Tipo di acciaio non contemplato
1O	45	202	-35	-6	0	0	0	Tipo di acciaio non contemplato
1P	45	202	21	-6	0	0	0	Tipo di acciaio non contemplato
2	45	-1167	-10	-0	0	0	0	Tipo di acciaio non contemplato
7	45	-1174	-9	-0	0	0	0	Tipo di acciaio non contemplato
8	45	-1170	-10	-0	0	0	0	Tipo di acciaio non contemplato
1A	90	-1261	-20	5	0	-2	-8	Tipo di acciaio non contemplato
1B	90	-1261	-2	5	0	-2	0	Tipo di acciaio non contemplato
1C	90	-1261	-20	-5	0	2	-8	Tipo di acciaio non contemplato
1D	90	-1261	-2	-5	0	2	0	Tipo di acciaio non contemplato
1E	90	-554	-20	5	0	-2	-8	Tipo di acciaio non contemplato
1F	90	-554	-2	5	0	-2	0	Tipo di acciaio non contemplato
1G	90	-554	-20	-5	0	2	-8	Tipo di acciaio non contemplato
1H	90	-554	-2	-5	0	2	0	Tipo di acciaio non contemplato
1I	90	-2017	-39	6	0	-3	-17	Tipo di acciaio non contemplato
1J	90	-2017	17	6	0	-3	9	Tipo di acciaio non contemplato
1K	90	-2017	-39	-6	0	3	-17	Tipo di acciaio non contemplato
1L	90	-2017	17	-6	0	3	9	Tipo di acciaio non contemplato
1M	90	202	-39	6	0	-3	-17	Tipo di acciaio non contemplato
1N	90	202	17	6	0	-3	9	Tipo di acciaio non contemplato
1O	90	202	-39	-6	0	3	-17	Tipo di acciaio non contemplato
1P	90	202	17	-6	0	3	9	Tipo di acciaio non contemplato
2	90	-1167	-15	-0	0	0	-5	Tipo di acciaio non contemplato
7	90	-1174	-14	-0	0	0	-5	Tipo di acciaio non contemplato
8	90	-1170	-15	-0	0	0	-5	Tipo di acciaio non contemplato

ASTA NUM. 47 NI 961 NF 890 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	281	9	1	0	0	3								Tipo di acciaio non contemplato
1B	0	281	10	1	0	0	0								Tipo di acciaio non contemplato
1C	0	281	9	1	0	-1	3								Tipo di acciaio non contemplato
1D	0	281	10	1	0	-1	0								Tipo di acciaio non contemplato
1E	0	2325	9	1	0	0	3								Tipo di acciaio non contemplato
1F	0	2325	10	1	0	0	0								Tipo di acciaio non contemplato
1G	0	2325	9	1	0	-1	3								Tipo di acciaio non contemplato
1H	0	2325	10	1	0	-1	0								Tipo di acciaio non contemplato
1I	0	-92	8	1	0	3	5								Tipo di acciaio non contemplato
1J	0	-92	11	1	0	3	0								Tipo di acciaio non contemplato
1K	0	-92	8	0	0	-3	5								Tipo di acciaio non contemplato
1L	0	-92	11	0	0	-3	0								Tipo di acciaio non contemplato
1M	0	2698	8	1	0	3	5								Tipo di acciaio non contemplato
1N	0	2698	11	1	0	3	0								Tipo di acciaio non contemplato
1O	0	2698	8	0	0	-3	5								Tipo di acciaio non contemplato
1P	0	2698	11	0	0	-3	0								Tipo di acciaio non contemplato
2	0	1709	12	1	0	0	3								Tipo di acciaio non contemplato
7	0	1715	12	1	0	0	2								Tipo di acciaio non contemplato
8	0	1703	12	1	0	0	3								Tipo di acciaio non contemplato
1A	110	281	-1	1	0	0	7								Tipo di acciaio non contemplato
1B	110	281	0	1	0	0	6								Tipo di acciaio non contemplato
1C	110	281	-1	1	0	-2	7								Tipo di acciaio non contemplato
1D	110	281	0	1	0	-2	6								Tipo di acciaio non contemplato
1E	110	2325	-1	1	0	0	7								Tipo di acciaio non contemplato
1F	110	2325	0	1	0	0	6								Tipo di acciaio non contemplato
1G	110	2325	-1	1	0	-2	7								Tipo di acciaio non contemplato
1H	110	2325	0	1	0	-2	6								Tipo di acciaio non contemplato
1I	110	-92	-2	1	0	2	7								Tipo di acciaio non contemplato
1J	110	-92	1	1	0	2	6								Tipo di acciaio non contemplato
1K	110	-92	-2	0	0	-4	7								Tipo di acciaio non contemplato
1L	110	-92	1	0	0	-4	6								Tipo di acciaio non contemplato
1M	110	2698	-2	1	0	2	7								Tipo di acciaio non contemplato
1N	110	2698	1	1	0	2	6								Tipo di acciaio non contemplato
1O	110	2698	-2	0	0	-4	7								Tipo di acciaio non contemplato
1P	110	2698	1	0	0	-4	6								Tipo di acciaio non contemplato
2	110	1709	-1	1	0	-1	9								Tipo di acciaio non contemplato
7	110	1715	-1	1	0	-1	9								Tipo di acciaio non contemplato

8	110	1703	-1	1	0	-1	9							Tipo di acciaio non contemplato
1A	219	281	-11	1	0	0	0							Tipo di acciaio non contemplato
1B	219	281	-10	1	0	0	1							Tipo di acciaio non contemplato
1C	219	281	-11	1	0	-3	0							Tipo di acciaio non contemplato
1D	219	281	-10	1	0	-3	1							Tipo di acciaio non contemplato
1E	219	2325	-11	1	0	0	0							Tipo di acciaio non contemplato
1F	219	2325	-10	1	0	0	1							Tipo di acciaio non contemplato
1G	219	2325	-11	1	0	-3	0							Tipo di acciaio non contemplato
1H	219	2325	-10	1	0	-3	1							Tipo di acciaio non contemplato
1I	219	-92	-12	1	0	2	0							Tipo di acciaio non contemplato
1J	219	-92	-8	1	0	2	2							Tipo di acciaio non contemplato
1K	219	-92	-12	0	0	-6	0							Tipo di acciaio non contemplato
1L	219	-92	-8	0	0	-6	2							Tipo di acciaio non contemplato
1M	219	2698	-12	1	0	2	0							Tipo di acciaio non contemplato
1N	219	2698	-8	1	0	2	2							Tipo di acciaio non contemplato
1O	219	2698	-12	0	0	-6	0							Tipo di acciaio non contemplato
1P	219	2698	-8	0	0	-6	2							Tipo di acciaio non contemplato
2	219	1709	-13	1	0	-2	1							Tipo di acciaio non contemplato
7	219	1715	-13	1	0	-2	1							Tipo di acciaio non contemplato
8	219	1703	-13	1	0	-2	1							Tipo di acciaio non contemplato

ASTA NUM. 48 NI 962 NF 890 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-412	-16	9	0	4	9								Tipo di acciaio non contemplato
1B	0	-412	3	9	0	4	0								Tipo di acciaio non contemplato
1C	0	-412	-16	-2	0	-1	9								Tipo di acciaio non contemplato
1D	0	-412	3	-2	0	-1	0								Tipo di acciaio non contemplato
1E	0	109	-16	9	0	4	9								Tipo di acciaio non contemplato
1F	0	109	3	9	0	4	0								Tipo di acciaio non contemplato
1G	0	109	-16	-2	0	-1	9								Tipo di acciaio non contemplato
1H	0	109	3	-2	0	-1	0								Tipo di acciaio non contemplato
1I	0	-898	-36	16	0	7	19								Tipo di acciaio non contemplato
1J	0	-898	23	16	0	7	-9								Tipo di acciaio non contemplato
1K	0	-898	-36	-9	0	-4	19								Tipo di acciaio non contemplato
1L	0	-898	23	-9	0	-4	-9								Tipo di acciaio non contemplato
1M	0	595	-36	16	0	7	19								Tipo di acciaio non contemplato
1N	0	595	23	16	0	7	-9								Tipo di acciaio non contemplato
1O	0	595	-36	-9	0	-4	19								Tipo di acciaio non contemplato
1P	0	595	23	-9	0	-4	-9								Tipo di acciaio non contemplato
2	0	-189	-9	5	0	2	6								Tipo di acciaio non contemplato
7	0	-190	-8	5	0	2	6								Tipo di acciaio non contemplato
8	0	-192	-9	5	0	2	6								Tipo di acciaio non contemplato
1A	45	-412	-20	9	0	0	1								Tipo di acciaio non contemplato
1B	45	-412	-1	9	0	0	0								Tipo di acciaio non contemplato
1C	45	-412	-20	-2	0	0	1								Tipo di acciaio non contemplato
1D	45	-412	-1	-2	0	0	0								Tipo di acciaio non contemplato
1E	45	109	-20	9	0	0	1								Tipo di acciaio non contemplato
1F	45	109	-1	9	0	0	0								Tipo di acciaio non contemplato
1G	45	109	-20	-2	0	0	1								Tipo di acciaio non contemplato
1H	45	109	-1	-2	0	0	0								Tipo di acciaio non contemplato
1I	45	-898	-40	16	0	0	2								Tipo di acciaio non contemplato
1J	45	-898	19	16	0	0	0								Tipo di acciaio non contemplato
1K	45	-898	-40	-9	0	0	2								Tipo di acciaio non contemplato
1L	45	-898	19	-9	0	0	0								Tipo di acciaio non contemplato
1M	45	595	-40	16	0	0	2								Tipo di acciaio non contemplato
1N	45	595	19	16	0	0	0								Tipo di acciaio non contemplato
1O	45	595	-40	-9	0	0	2								Tipo di acciaio non contemplato
1P	45	595	19	-9	0	0	0								Tipo di acciaio non contemplato
2	45	-189	-14	5	0	0	1								Tipo di acciaio non contemplato
7	45	-190	-13	5	0	0	1								Tipo di acciaio non contemplato
8	45	-192	-14	5	0	0	1								Tipo di acciaio non contemplato
1A	90	-412	-24	9	0	-4	-9								Tipo di acciaio non contemplato
1B	90	-412	-5	9	0	-4	0								Tipo di acciaio non contemplato
1C	90	-412	-24	-2	0	0	-9								Tipo di acciaio non contemplato
1D	90	-412	-5	-2	0	0	0								Tipo di acciaio non contemplato
1E	90	109	-24	9	0	-4	-9								Tipo di acciaio non contemplato
1F	90	109	-5	9	0	-4	0								Tipo di acciaio non contemplato
1G	90	109	-24	-2	0	0	-9								Tipo di acciaio non contemplato
1H	90	109	-5	-2	0	0	0								Tipo di acciaio non contemplato
1I	90	-898	-44	16	0	-7	-17								Tipo di acciaio non contemplato
1J	90	-898	15	16	0	-7	8								Tipo di acciaio non contemplato
1K	90	-898	-44	-9	0	4	-17								Tipo di acciaio non contemplato
1L	90	-898	15	-9	0	4	8								Tipo di acciaio non contemplato
1M	90	595	-44	16	0	-7	-17								Tipo di acciaio non contemplato
1N	90	595	15	16	0	-7	8								Tipo di acciaio non contemplato
1O	90	595	-44	-9	0	4	-17								Tipo di acciaio non contemplato
1P	90	595	15	-9	0	4	8								Tipo di acciaio non contemplato
2	90	-189	-19	5	0	-2	-6								Tipo di acciaio non contemplato
7	90	-190	-18	5	0	-2	-6								Tipo di acciaio non contemplato
8	90	-192	-19	5	0	-2	-6								Tipo di acciaio non contemplato

ASTA NUM. 49 NI 890 NF 963 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m						kg/cmq			
1A	0	-3198	9	-0	0	0	0								Tipo di acciaio non contemplato
1B	0	-3198	11	-0	0	0	-2								Tipo di acciaio non contemplato
1C	0	-3198	9	-1	0	-3	0								Tipo di acciaio non contemplato
1D	0	-3198	11	-1	0	-3	-2								Tipo di acciaio non contemplato
1E	0	1350	9	-0	0	0	0								Tipo di acciaio non contemplato
1F	0	1350	11	-0	0	0	-2								Tipo di acciaio non contemplato
1G	0	1350	9	-1	0	-3	0								Tipo di acciaio non contemplato
1H	0	1350	11	-1	0	-3	-2								Tipo di acciaio non contemplato
1I	0	-5915	8	0	0	1	2								Tipo di acciaio non contemplato
1J	0	-5915	12	0	0	1	-3								Tipo di acciaio non contemplato
1K	0	-5915	8	-1	0	-5	2								Tipo di acciaio non contemplato
1L	0	-5915	12	-1	0	-5	-3								Tipo di acciaio non contemplato
1M	0	4068	8	0	0	1	2								Tipo di acciaio non contemplato
1N	0	4068	12	0	0	1	-3								Tipo di acciaio non contemplato
1O	0	4068	8	-1	0	-5	2								Tipo di acciaio non contemplato
1P	0	4068	12	-1	0	-5	-3								Tipo di acciaio non contemplato
2	0	-1245	13	-0	0	-2	0								Tipo di acciaio non contemplato
7	0	-1240	13	-0	0	-2	0								Tipo di acciaio non contemplato
8	0	-1231	13	-0	0	-2	0								Tipo di acciaio non contemplato
1A	110	-3198	-0	-0	0	0	5								Tipo di acciaio non contemplato
1B	110	-3198	1	-0	0	0	5								Tipo di acciaio non contemplato
1C	110	-3198	-0	-1	0	-2	5								Tipo di acciaio non contemplato
1D	110	-3198	1	-1	0	-2	5								Tipo di acciaio non contemplato
1E	110	1350	-0	-0	0	0	5								Tipo di acciaio non contemplato
1F	110	1350	1	-0	0	0	5								Tipo di acciaio non contemplato
1G	110	1350	-0	-1	0	-2	5								Tipo di acciaio non contemplato
1H	110	1350	1	-1	0	-2	5								Tipo di acciaio non contemplato
1I	110	-5915	-1	0	0	2	6								Tipo di acciaio non contemplato
1J	110	-5915	2	0	0	2	4								Tipo di acciaio non contemplato
1K	110	-5915	-1	-1	0	-5	6								Tipo di acciaio non contemplato
1L	110	-5915	2	-1	0	-5	4								Tipo di acciaio non contemplato
1M	110	4068	-1	0	0	2	6								Tipo di acciaio non contemplato
1N	110	4068	2	0	0	2	4								Tipo di acciaio non contemplato
1O	110	4068	-1	-1	0	-5	6								Tipo di acciaio non contemplato
1P	110	4068	2	-1	0	-5	4								Tipo di acciaio non contemplato
2	110	-1245	0	-0	0	-2	6								Tipo di acciaio non contemplato
7	110	-1240	0	-0	0	-2	6								Tipo di acciaio non contemplato
8	110	-1231	0	-0	0	-2	6								Tipo di acciaio non contemplato
1A	219	-3198	-10	-0	0	0	0								Tipo di acciaio non contemplato
1B	219	-3198	-9	-0	0	0	0								Tipo di acciaio non contemplato
1C	219	-3198	-10	-1	0	-2	0								Tipo di acciaio non contemplato
1D	219	-3198	-9	-1	0	-2	0								Tipo di acciaio non contemplato
1E	219	1350	-10	-0	0	0	0								Tipo di acciaio non contemplato
1F	219	1350	-9	-0	0	0	0								Tipo di acciaio non contemplato
1G	219	1350	-10	-1	0	-2	0								Tipo di acciaio non contemplato
1H	219	1350	-9	-1	0	-2	0								Tipo di acciaio non contemplato
1I	219	-5915	-11	0	0	3	-1								Tipo di acciaio non contemplato
1J	219	-5915	-8	0	0	3	1								Tipo di acciaio non contemplato
1K	219	-5915	-11	-1	0	-5	-1								Tipo di acciaio non contemplato
1L	219	-5915	-8	-1	0	-5	1								Tipo di acciaio non contemplato
1M	219	4068	-11	0	0	3	-1								Tipo di acciaio non contemplato
1N	219	4068	-8	0	0	3	1								Tipo di acciaio non contemplato
1O	219	4068	-11	-1	0	-5	-1								Tipo di acciaio non contemplato
1P	219	4068	-8	-1	0	-5	1								Tipo di acciaio non contemplato
2	219	-1245	-12	-0	0	-1	0								Tipo di acciaio non contemplato
7	219	-1240	-12	-0	0	-1	0								Tipo di acciaio non contemplato
8	219	-1231	-12	-0	0	-1	0								Tipo di acciaio non contemplato

ASTA NUM. 50 NI 963 NF 888 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m						kg/cmq			
1A	0	-1112	-16	22	0	10	8								Tipo di acciaio non contemplato
1B	0	-1112	1	22	0	10	1								Tipo di acciaio non contemplato
1C	0	-1112	-16	-2	0	0	8								Tipo di acciaio non contemplato
1D	0	-1112	1	-2	0	0	1								Tipo di acciaio non contemplato
1E	0	-448	-16	22	0	10	8								Tipo di acciaio non contemplato
1F	0	-448	1	22	0	10	1								Tipo di acciaio non contemplato
1G	0	-448	-16	-2	0	0	8								Tipo di acciaio non contemplato
1H	0	-448	1	-2	0	0	1								Tipo di acciaio non contemplato
1I	0	-1727	-32	40	0	19	15								Tipo di acciaio non contemplato
1J	0	-1727	17	40	0	19	-6								Tipo di acciaio non contemplato
1K	0	-1727	-32	-20	0	-9	15								Tipo di acciaio non contemplato
1L	0	-1727	17	-20	0	-9	-6								Tipo di acciaio non contemplato
1M	0	167	-32	40	0	19	15								Tipo di acciaio non contemplato
1N	0	167	17	40	0	19	-6								Tipo di acciaio non contemplato
1O	0	167	-32	-20	0	-9	15								Tipo di acciaio non contemplato
1P	0	167	17	-20	0	-9	-6								Tipo di acciaio non contemplato
2	0	-1043	-11	13	0	6	6								Tipo di acciaio non contemplato
7	0	-1043	-10	13	0	6	6								Tipo di acciaio non contemplato
8	0	-1033	-11	13	0	6	6								Tipo di acciaio non contemplato
1A	45	-1112	-20	22	0	0	0								Tipo di acciaio non contemplato

1B	45	-1112	-3	22	0	0	0	Tipo di acciaio non contemplato
1C	45	-1112	-20	-2	0	0	0	Tipo di acciaio non contemplato
1D	45	-1112	-3	-2	0	0	0	Tipo di acciaio non contemplato
1E	45	-448	-20	22	0	0	0	Tipo di acciaio non contemplato
1F	45	-448	-3	22	0	0	0	Tipo di acciaio non contemplato
1G	45	-448	-20	-2	0	0	0	Tipo di acciaio non contemplato
1H	45	-448	-3	-2	0	0	0	Tipo di acciaio non contemplato
1I	45	-1727	-36	40	0	0	0	Tipo di acciaio non contemplato
1J	45	-1727	13	40	0	0	0	Tipo di acciaio non contemplato
1K	45	-1727	-36	-20	0	0	0	Tipo di acciaio non contemplato
1L	45	-1727	13	-20	0	0	0	Tipo di acciaio non contemplato
1M	45	167	-36	40	0	0	0	Tipo di acciaio non contemplato
1N	45	167	13	40	0	0	0	Tipo di acciaio non contemplato
1O	45	167	-36	-20	0	0	0	Tipo di acciaio non contemplato
1P	45	167	13	-20	0	0	0	Tipo di acciaio non contemplato
2	45	-1043	-16	13	0	0	0	Tipo di acciaio non contemplato
7	45	-1043	-15	13	0	0	0	Tipo di acciaio non contemplato
8	45	-1033	-16	13	0	0	0	Tipo di acciaio non contemplato
1A	90	-1112	-24	22	0	-10	-10	Tipo di acciaio non contemplato
1B	90	-1112	-7	22	0	-10	-2	Tipo di acciaio non contemplato
1C	90	-1112	-24	-2	0	1	-10	Tipo di acciaio non contemplato
1D	90	-1112	-7	-2	0	1	-2	Tipo di acciaio non contemplato
1E	90	-448	-24	22	0	-10	-10	Tipo di acciaio non contemplato
1F	90	-448	-7	22	0	-10	-2	Tipo di acciaio non contemplato
1G	90	-448	-24	-2	0	1	-10	Tipo di acciaio non contemplato
1H	90	-448	-7	-2	0	1	-2	Tipo di acciaio non contemplato
1I	90	-1727	-40	40	0	-17	-17	Tipo di acciaio non contemplato
1J	90	-1727	9	40	0	-17	5	Tipo di acciaio non contemplato
1K	90	-1727	-40	-20	0	9	-17	Tipo di acciaio non contemplato
1L	90	-1727	9	-20	0	9	5	Tipo di acciaio non contemplato
1M	90	167	-40	40	0	-17	-17	Tipo di acciaio non contemplato
1N	90	167	9	40	0	-17	5	Tipo di acciaio non contemplato
1O	90	167	-40	-20	0	9	-17	Tipo di acciaio non contemplato
1P	90	167	9	-20	0	9	5	Tipo di acciaio non contemplato
2	90	-1043	-21	13	0	-5	-8	Tipo di acciaio non contemplato
7	90	-1043	-20	13	0	-5	-8	Tipo di acciaio non contemplato
8	90	-1033	-21	13	0	-5	-8	Tipo di acciaio non contemplato

ASTA NUM. 51 NI 963 NF 886 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-544	8	1	0	1	5								Tipo di acciaio non contemplato
1B	0	-544	9	1	0	1	2								Tipo di acciaio non contemplato
1C	0	-544	8	0	0	0	5								Tipo di acciaio non contemplato
1D	0	-544	9	0	0	0	2								Tipo di acciaio non contemplato
1E	0	6362	8	1	0	1	5								Tipo di acciaio non contemplato
1F	0	6362	9	1	0	1	2								Tipo di acciaio non contemplato
1G	0	6362	8	0	0	0	5								Tipo di acciaio non contemplato
1H	0	6362	9	0	0	0	2								Tipo di acciaio non contemplato
1I	0	-6063	7	2	0	1	7								Tipo di acciaio non contemplato
1J	0	-6063	10	2	0	1	-1								Tipo di acciaio non contemplato
1K	0	-6063	7	-0	0	0	7								Tipo di acciaio non contemplato
1L	0	-6063	10	-0	0	0	-1								Tipo di acciaio non contemplato
1M	0	11881	7	2	0	1	7								Tipo di acciaio non contemplato
1N	0	11881	10	2	0	1	-1								Tipo di acciaio non contemplato
1O	0	11881	7	-0	0	0	7								Tipo di acciaio non contemplato
1P	0	11881	10	-0	0	0	-1								Tipo di acciaio non contemplato
2	0	3841	11	1	0	0	4								Tipo di acciaio non contemplato
7	0	3848	11	1	0	0	4								Tipo di acciaio non contemplato
8	0	3819	11	1	0	0	4								Tipo di acciaio non contemplato
1A	110	-544	-2	1	0	0	8								Tipo di acciaio non contemplato
1B	110	-544	-1	1	0	0	6								Tipo di acciaio non contemplato
1C	110	-544	-2	0	0	-1	8								Tipo di acciaio non contemplato
1D	110	-544	-1	0	0	-1	6								Tipo di acciaio non contemplato
1E	110	6362	-2	1	0	0	8								Tipo di acciaio non contemplato
1F	110	6362	-1	1	0	0	6								Tipo di acciaio non contemplato
1G	110	6362	-2	0	0	-1	8								Tipo di acciaio non contemplato
1H	110	6362	-1	0	0	-1	6								Tipo di acciaio non contemplato
1I	110	-6063	-3	2	0	2	10								Tipo di acciaio non contemplato
1J	110	-6063	-0	2	0	2	4								Tipo di acciaio non contemplato
1K	110	-6063	-3	-0	0	-3	10								Tipo di acciaio non contemplato
1L	110	-6063	-0	-0	0	-3	4								Tipo di acciaio non contemplato
1M	110	11881	-3	2	0	2	10								Tipo di acciaio non contemplato
1N	110	11881	-0	2	0	2	4								Tipo di acciaio non contemplato
1O	110	11881	-3	-0	0	-3	10								Tipo di acciaio non contemplato
1P	110	11881	-0	-0	0	-3	4								Tipo di acciaio non contemplato
2	110	3841	-2	1	0	0	9								Tipo di acciaio non contemplato
7	110	3848	-2	1	0	0	9								Tipo di acciaio non contemplato
8	110	3819	-2	1	0	0	9								Tipo di acciaio non contemplato
1A	219	-544	-12	1	0	0	0								Tipo di acciaio non contemplato
1B	219	-544	-11	1	0	0	0								Tipo di acciaio non contemplato
1C	219	-544	-12	0	0	-3	0								Tipo di acciaio non contemplato
1D	219	-544	-11	0	0	-3	0								Tipo di acciaio non contemplato
1E	219	6362	-12	1	0	0	0								Tipo di acciaio non contemplato
1F	219	6362	-11	1	0	0	0								Tipo di acciaio non contemplato
1G	219	6362	-12	0	0	-3	0								Tipo di acciaio non contemplato
1H	219	6362	-11	0	0	-3	0								Tipo di acciaio non contemplato

1I	219	-6063	-13	2	0	2	2							Tipo di acciaio non contemplato
1J	219	-6063	-10	2	0	2	-2							Tipo di acciaio non contemplato
1K	219	-6063	-13	-0	0	-5	2							Tipo di acciaio non contemplato
1L	219	-6063	-10	-0	0	-5	-2							Tipo di acciaio non contemplato
1M	219	11881	-13	2	0	2	2							Tipo di acciaio non contemplato
1N	219	11881	-10	2	0	2	-2							Tipo di acciaio non contemplato
1O	219	11881	-13	-0	0	-5	2							Tipo di acciaio non contemplato
1P	219	11881	-10	-0	0	-5	-2							Tipo di acciaio non contemplato
2	219	3841	-15	1	0	-2	0							Tipo di acciaio non contemplato
7	219	3848	-15	1	0	-2	0							Tipo di acciaio non contemplato
8	219	3819	-15	1	0	-2	0							Tipo di acciaio non contemplato

ASTA NUM. 52 NI 964 NF 886 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2483	-18	28	0	12	8								Tipo di acciaio non contemplato
1B	0	-2483	-5	28	0	12	3								Tipo di acciaio non contemplato
1C	0	-2483	-18	-10	0	-6	8								Tipo di acciaio non contemplato
1D	0	-2483	-5	-10	0	-6	3								Tipo di acciaio non contemplato
1E	0	898	-18	28	0	12	8								Tipo di acciaio non contemplato
1F	0	898	-5	28	0	12	3								Tipo di acciaio non contemplato
1G	0	898	-18	-10	0	-6	8								Tipo di acciaio non contemplato
1H	0	898	-5	-10	0	-6	3								Tipo di acciaio non contemplato
1I	0	-4660	-29	52	0	22	12								Tipo di acciaio non contemplato
1J	0	-4660	5	52	0	22	0								Tipo di acciaio non contemplato
1K	0	-4660	-29	-34	0	-16	12								Tipo di acciaio non contemplato
1L	0	-4660	5	-34	0	-16	0								Tipo di acciaio non contemplato
1M	0	3075	-29	52	0	22	12								Tipo di acciaio non contemplato
1N	0	3075	5	52	0	22	0								Tipo di acciaio non contemplato
1O	0	3075	-29	-34	0	-16	12								Tipo di acciaio non contemplato
1P	0	3075	5	-34	0	-16	0								Tipo di acciaio non contemplato
2	0	-591	-16	12	0	3	8								Tipo di acciaio non contemplato
7	0	-671	-15	12	0	3	8								Tipo di acciaio non contemplato
8	0	-730	-16	12	0	3	8								Tipo di acciaio non contemplato
1A	45	-2483	-22	28	0	0	0								Tipo di acciaio non contemplato
1B	45	-2483	-9	28	0	0	0								Tipo di acciaio non contemplato
1C	45	-2483	-22	-10	0	-1	0								Tipo di acciaio non contemplato
1D	45	-2483	-9	-10	0	-1	0								Tipo di acciaio non contemplato
1E	45	898	-22	28	0	0	0								Tipo di acciaio non contemplato
1F	45	898	-9	28	0	0	0								Tipo di acciaio non contemplato
1G	45	898	-22	-10	0	-1	0								Tipo di acciaio non contemplato
1H	45	898	-9	-10	0	-1	0								Tipo di acciaio non contemplato
1I	45	-4660	-33	52	0	-1	-2								Tipo di acciaio non contemplato
1J	45	-4660	1	52	0	-1	0								Tipo di acciaio non contemplato
1K	45	-4660	-33	-34	0	0	-2								Tipo di acciaio non contemplato
1L	45	-4660	1	-34	0	0	0								Tipo di acciaio non contemplato
1M	45	3075	-33	52	0	-1	-2								Tipo di acciaio non contemplato
1N	45	3075	1	52	0	-1	0								Tipo di acciaio non contemplato
1O	45	3075	-33	-34	0	0	-2								Tipo di acciaio non contemplato
1P	45	3075	1	-34	0	0	0								Tipo di acciaio non contemplato
2	45	-591	-21	12	0	-2	0								Tipo di acciaio non contemplato
7	45	-671	-20	12	0	-2	0								Tipo di acciaio non contemplato
8	45	-730	-21	12	0	-2	0								Tipo di acciaio non contemplato
1A	90	-2483	-26	28	0	-13	-12								Tipo di acciaio non contemplato
1B	90	-2483	-13	28	0	-13	-5								Tipo di acciaio non contemplato
1C	90	-2483	-26	-10	0	3	-12								Tipo di acciaio non contemplato
1D	90	-2483	-13	-10	0	3	-5								Tipo di acciaio non contemplato
1E	90	898	-26	28	0	-13	-12								Tipo di acciaio non contemplato
1F	90	898	-13	28	0	-13	-5								Tipo di acciaio non contemplato
1G	90	898	-26	-10	0	3	-12								Tipo di acciaio non contemplato
1H	90	898	-13	-10	0	3	-5								Tipo di acciaio non contemplato
1I	90	-4660	-36	52	0	-25	-17								Tipo di acciaio non contemplato
1J	90	-4660	-3	52	0	-25	0								Tipo di acciaio non contemplato
1K	90	-4660	-36	-34	0	14	-17								Tipo di acciaio non contemplato
1L	90	-4660	-3	-34	0	14	0								Tipo di acciaio non contemplato
1M	90	3075	-36	52	0	-25	-17								Tipo di acciaio non contemplato
1N	90	3075	-3	52	0	-25	0								Tipo di acciaio non contemplato
1O	90	3075	-36	-34	0	14	-17								Tipo di acciaio non contemplato
1P	90	3075	-3	-34	0	14	0								Tipo di acciaio non contemplato
2	90	-591	-26	12	0	-8	-11								Tipo di acciaio non contemplato
7	90	-671	-25	12	0	-7	-10								Tipo di acciaio non contemplato
8	90	-730	-26	12	0	-7	-11								Tipo di acciaio non contemplato

ASTA NUM. 53 NI 964 NF 600 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2864	6	0	0	0	0								Tipo di acciaio non contemplato
1B	0	-2864	8	0	0	0	-3								Tipo di acciaio non contemplato
1C	0	-2864	6	-3	0	0	0								Tipo di acciaio non contemplato
1D	0	-2864	8	-3	0	0	-3								Tipo di acciaio non contemplato

1E	0	6732	6	0	0	0	Tipo di acciaio non contemplato
1F	0	6732	8	0	0	-3	Tipo di acciaio non contemplato
1G	0	6732	6	-3	0	0	Tipo di acciaio non contemplato
1H	0	6732	8	-3	0	-3	Tipo di acciaio non contemplato
1I	0	-9006	5	0	0	2	Tipo di acciaio non contemplato
1J	0	-9006	9	0	0	-6	Tipo di acciaio non contemplato
1K	0	-9006	5	-3	0	-1	2	Tipo di acciaio non contemplato
1L	0	-9006	9	-3	0	-1	-6	Tipo di acciaio non contemplato
1M	0	12874	5	0	0	0	2	Tipo di acciaio non contemplato
1N	0	12874	9	0	0	0	-6	Tipo di acciaio non contemplato
1O	0	12874	5	-3	0	-1	2	Tipo di acciaio non contemplato
1P	0	12874	9	-3	0	-1	-6	Tipo di acciaio non contemplato
2	0	1525	9	-3	0	0	-2	Tipo di acciaio non contemplato
7	0	1709	9	-3	0	0	-2	Tipo di acciaio non contemplato
8	0	1837	9	-3	0	0	-2	Tipo di acciaio non contemplato
1A	110	-2864	-4	0	0	0	1	Tipo di acciaio non contemplato
1B	110	-2864	-2	0	0	0	0	Tipo di acciaio non contemplato
1C	110	-2864	-4	-3	0	2	1	Tipo di acciaio non contemplato
1D	110	-2864	-2	-3	0	2	0	Tipo di acciaio non contemplato
1E	110	6732	-4	0	0	0	1	Tipo di acciaio non contemplato
1F	110	6732	-2	0	0	0	0	Tipo di acciaio non contemplato
1G	110	6732	-4	-3	0	2	1	Tipo di acciaio non contemplato
1H	110	6732	-2	-3	0	2	0	Tipo di acciaio non contemplato
1I	110	-9006	-5	0	0	0	1	Tipo di acciaio non contemplato
1J	110	-9006	-1	0	0	0	0	Tipo di acciaio non contemplato
1K	110	-9006	-5	-3	0	2	1	Tipo di acciaio non contemplato
1L	110	-9006	-1	-3	0	2	0	Tipo di acciaio non contemplato
1M	110	12874	-5	0	0	0	1	Tipo di acciaio non contemplato
1N	110	12874	-1	0	0	0	0	Tipo di acciaio non contemplato
1O	110	12874	-5	-3	0	2	1	Tipo di acciaio non contemplato
1P	110	12874	-1	-3	0	2	0	Tipo di acciaio non contemplato
2	110	1525	-3	-3	0	3	0	Tipo di acciaio non contemplato
7	110	1709	-3	-3	0	3	0	Tipo di acciaio non contemplato
8	110	1837	-3	-3	0	3	0	Tipo di acciaio non contemplato
1A	219	-2864	-13	0	0	0	-8	Tipo di acciaio non contemplato
1B	219	-2864	-12	0	0	0	-7	Tipo di acciaio non contemplato
1C	219	-2864	-13	-3	0	5	-8	Tipo di acciaio non contemplato
1D	219	-2864	-12	-3	0	5	-7	Tipo di acciaio non contemplato
1E	219	6732	-13	0	0	0	-8	Tipo di acciaio non contemplato
1F	219	6732	-12	0	0	0	-7	Tipo di acciaio non contemplato
1G	219	6732	-13	-3	0	5	-8	Tipo di acciaio non contemplato
1H	219	6732	-12	-3	0	5	-7	Tipo di acciaio non contemplato
1I	219	-9006	-14	0	0	0	-10	Tipo di acciaio non contemplato
1J	219	-9006	-10	0	0	0	-5	Tipo di acciaio non contemplato
1K	219	-9006	-14	-3	0	6	-10	Tipo di acciaio non contemplato
1L	219	-9006	-10	-3	0	6	-5	Tipo di acciaio non contemplato
1M	219	12874	-14	0	0	0	-10	Tipo di acciaio non contemplato
1N	219	12874	-10	0	0	0	-5	Tipo di acciaio non contemplato
1O	219	12874	-14	-3	0	6	-10	Tipo di acciaio non contemplato
1P	219	12874	-10	-3	0	6	-5	Tipo di acciaio non contemplato
2	219	1525	-16	-3	0	6	-10	Tipo di acciaio non contemplato
7	219	1709	-16	-3	0	6	-10	Tipo di acciaio non contemplato
8	219	1837	-16	-3	0	5	-10	Tipo di acciaio non contemplato

ASTA NUM. 54 NI 604 NF 956 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1128	128	122	0	206	-182	21.0	200.9	10.9	0.0	221.9	1	
1B	0	-1128	305	122	0	206	-341	21.0	242.0	25.9	0.0	262.9	1	
1C	0	-1128	128	-111	0	-133	-182	21.0	146.6	10.9	0.0	167.5	1	
1D	0	-1128	305	-111	0	-133	-341	21.0	187.6	25.9	0.0	208.6	1	
1E	0	2721	128	122	0	206	-182	50.6	200.9	10.9	0.0	251.5	1	
1F	0	2721	305	122	0	206	-341	50.6	242.0	25.9	0.0	292.5	1	
1G	0	2721	128	-111	0	-133	-182	50.6	146.6	10.9	0.0	197.2	1	
1H	0	2721	305	-111	0	-133	-341	50.6	187.6	25.9	0.0	238.2	1	
1I	0	-3938	124	181	0	272	-148	73.2	241.8	10.5	0.0	315.0	1	
1J	0	-3938	309	181	0	272	-375	73.2	300.5	26.2	0.0	373.7	1	
1K	0	-3938	124	-169	0	-200	-148	73.2	187.5	10.5	0.0	260.7	1	
1L	0	-3938	309	-169	0	-200	-375	73.2	246.2	26.2	0.0	319.4	1	
1M	0	5532	124	181	0	272	-148	102.8	241.8	10.5	0.0	344.7	1	
1N	0	5532	309	181	0	272	-375	102.8	300.5	26.2	0.0	403.3	1	
1O	0	5532	124	-169	0	-200	-148	102.8	187.5	10.5	0.0	290.3	1	
1P	0	5532	309	-169	0	-200	-375	102.8	246.2	26.2	0.0	349.0	1	
2	0	682	285	3	0	47	-347	12.7	124.4	24.2	0.0	137.0	1	
7	0	676	285	-2	0	39	-346	12.6	118.4	24.1	0.0	131.0	1	
8	0	819	284	6	0	49	-345	15.2	125.3	24.1	0.0	140.6	1	
1A	100	-1128	86	122	0	84	-75	21.0	81.9	7.3	0.0	102.9	1	
1B	100	-1128	263	122	0	84	-56	21.0	77.0	22.3	0.0	98.0	1	
1C	100	-1128	86	-111	0	-22	-75	21.0	35.9	7.3	0.0	56.9	1	
1D	100	-1128	263	-111	0	-22	-56	21.0	31.0	22.3	0.0	52.0	1	
1E	100	2721	86	122	0	84	-75	50.6	81.9	7.3	0.0	132.5	1	
1F	100	2721	263	122	0	84	-56	50.6	77.0	22.3	0.0	127.6	1	
1G	100	2721	86	-111	0	-22	-75	50.6	35.9	7.3	0.0	86.5	1	
1H	100	2721	263	-111	0	-22	-56	50.6	31.0	22.3	0.0	81.6	1	
1I	100	-3938	82	181	0	91	-46	73.2	80.3	7.0	0.0	153.5	1	
1J	100	-3938	267	181	0	91	-86	73.2	90.4	22.6	0.0	163.6	1	
1K	100	-3938	82	-169	0	-30	-46	73.2	34.3	7.0	0.0	107.5	1	

1L	100	-3938	267	-169	0	-30	-86	73.2	44.4	22.6	0.0	117.6	1
1M	100	5532	82	181	0	91	-46	102.8	80.3	7.0	0.0	183.1	1
1N	100	5532	267	181	0	91	-86	102.8	90.4	22.6	0.0	193.2	1
1O	100	5532	82	-169	0	-30	-46	102.8	34.3	7.0	0.0	137.1	1
1P	100	5532	267	-169	0	-30	-86	102.8	44.4	22.6	0.0	147.2	1
2	100	682	230	3	0	44	-89	12.7	55.8	19.5	0.0	68.4	1
7	100	676	230	-2	0	41	-89	12.6	53.5	19.5	0.0	66.1	1
8	100	819	229	6	0	43	-88	15.2	54.9	19.4	0.0	70.2	1
1A	200	-1128	44	122	0	-39	-11	21.0	32.0	4.6	0.0	53.0	1
1B	200	-1128	221	122	0	-39	186	21.0	77.0	18.7	0.0	98.0	1
1C	200	-1128	44	-111	0	89	-11	21.0	69.7	4.2	0.0	90.7	1
1D	200	-1128	221	-111	0	89	186	21.0	114.8	18.7	0.0	135.7	1
1E	200	2721	44	122	0	-39	-11	50.6	32.0	4.6	0.0	82.6	1
1F	200	2721	221	122	0	-39	186	50.6	77.0	18.7	0.0	127.6	1
1G	200	2721	44	-111	0	89	-11	50.6	69.7	4.2	0.0	120.3	1
1H	200	2721	221	-111	0	89	186	50.6	114.8	18.7	0.0	165.4	1
1I	200	-3938	40	181	0	-90	13	73.2	70.4	6.8	0.0	143.6	1
1J	200	-3938	225	181	0	-90	162	73.2	108.8	19.1	0.0	182.1	1
1K	200	-3938	40	-169	0	140	13	73.2	108.1	6.4	0.0	181.3	1
1L	200	-3938	225	-169	0	140	162	73.2	146.6	19.1	0.0	219.8	1
1M	200	5532	40	181	0	-90	13	102.8	70.4	6.8	0.0	173.2	1
1N	200	5532	225	181	0	-90	162	102.8	108.8	19.1	0.0	211.7	1
1O	200	5532	40	-169	0	140	13	102.8	108.1	6.4	0.0	211.0	1
1P	200	5532	225	-169	0	140	162	102.8	146.6	19.1	0.0	249.4	1
2	200	682	175	3	0	41	114	12.7	59.8	14.9	0.0	72.4	1
7	200	676	175	-2	0	43	114	12.6	61.2	14.8	0.0	73.8	1
8	200	819	174	6	0	37	114	15.2	57.2	14.8	0.0	72.4	1

ASTA NUM. 55 NI 956 NF 955 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-7971	33	114	0	90	182	148.2	113.7	4.3	0.0	261.9	1	
1B	0	-7971	149	114	0	90	-16	148.2	71.0	12.7	0.0	219.2	1	
1C	0	-7971	33	45	0	-25	182	148.2	65.5	2.8	0.0	213.6	1	
1D	0	-7971	149	45	0	-25	-16	148.2	22.8	12.7	0.0	170.9	1	
1E	0	-3767	33	114	0	90	182	70.0	113.7	4.3	0.0	183.7	1	
1F	0	-3767	149	114	0	90	-16	70.0	71.0	12.7	0.0	141.1	1	
1G	0	-3767	33	45	0	-25	182	70.0	65.5	2.8	0.0	135.5	1	
1H	0	-3767	149	45	0	-25	-16	70.0	22.8	12.7	0.0	92.8	1	
1I	0	-11620	8	125	0	140	157	216.0	145.2	4.7	0.0	361.2	1	
1J	0	-11620	174	125	0	140	9	216.0	107.2	14.7	0.0	323.2	1	
1K	0	-11620	8	35	0	-76	157	216.0	97.0	1.3	0.0	313.0	1	
1L	0	-11620	174	35	0	-76	9	216.0	58.9	14.7	0.0	274.9	1	
1M	0	-118	8	125	0	140	157	2.2	145.2	4.7	0.0	147.4	1	
1N	0	-118	174	125	0	140	9	2.2	107.2	14.7	0.0	109.4	1	
1O	0	-118	8	35	0	-76	157	2.2	97.0	1.3	0.0	99.2	1	
1P	0	-118	174	35	0	-76	9	2.2	58.9	14.7	0.0	61.1	1	
2	0	-8006	117	106	0	50	108	148.8	65.1	9.9	0.0	213.9	1	
7	0	-8034	117	108	0	52	108	149.3	66.4	10.0	0.0	215.7	1	
8	0	-7857	117	105	0	46	108	146.0	62.5	9.9	0.0	208.6	1	
1A	100	-7971	-10	114	0	-38	180	148.2	74.7	4.3	0.0	222.9	1	
1B	100	-7971	107	114	0	-38	125	148.2	60.6	9.1	0.0	208.7	1	
1C	100	-7971	-10	45	0	-57	180	148.2	88.8	1.7	0.0	237.0	1	
1D	100	-7971	107	45	0	-57	125	148.2	74.6	9.1	0.0	222.8	1	
1E	100	-3767	-10	114	0	-38	180	70.0	74.7	4.3	0.0	144.7	1	
1F	100	-3767	107	114	0	-38	125	70.0	60.6	9.1	0.0	130.6	1	
1G	100	-3767	-10	45	0	-57	180	70.0	88.8	1.7	0.0	158.8	1	
1H	100	-3767	107	45	0	-57	125	70.0	74.6	9.1	0.0	144.7	1	
1I	100	-11620	-34	125	0	42	134	216.0	65.4	4.7	0.0	281.4	1	
1J	100	-11620	132	125	0	42	172	216.0	75.3	11.2	0.0	291.3	1	
1K	100	-11620	-34	35	0	-136	134	216.0	136.2	2.9	0.0	352.2	1	
1L	100	-11620	132	35	0	-136	172	216.0	146.1	11.2	0.0	362.1	1	
1M	100	-118	-34	125	0	42	134	2.2	65.4	4.7	0.0	67.6	1	
1N	100	-118	132	125	0	42	172	2.2	75.3	11.2	0.0	77.5	1	
1O	100	-118	-34	35	0	-136	134	2.2	136.2	2.9	0.0	138.4	1	
1P	100	-118	132	35	0	-136	172	2.2	146.1	11.2	0.0	148.3	1	
2	100	-8006	62	106	0	-56	197	148.8	92.8	5.2	0.0	241.6	1	
7	100	-8034	62	108	0	-57	197	149.3	93.2	5.3	0.0	242.6	1	
8	100	-7857	62	105	0	-58	197	146.0	94.2	5.3	0.0	240.3	1	
1A	200	-7971	-52	114	0	-165	137	148.2	158.8	4.4	0.0	307.0	1	
1B	200	-7971	65	114	0	-165	224	148.2	181.3	5.5	0.0	329.4	1	
1C	200	-7971	-52	45	0	-88	137	148.2	101.3	4.4	0.0	249.4	1	
1D	200	-7971	65	45	0	-88	224	148.2	123.7	5.5	0.0	271.9	1	
1E	200	-3767	-52	114	0	-165	137	70.0	158.8	4.4	0.0	228.9	1	
1F	200	-3767	65	114	0	-165	224	70.0	181.3	5.5	0.0	251.3	1	
1G	200	-3767	-52	45	0	-88	137	70.0	101.3	4.4	0.0	171.3	1	
1H	200	-3767	65	45	0	-88	224	70.0	123.7	5.5	0.0	193.7	1	
1I	200	-11620	-77	125	0	-57	68	216.0	60.2	6.5	0.0	276.1	1	
1J	200	-11620	89	125	0	-57	292	216.0	117.9	7.6	0.0	333.9	1	
1K	200	-11620	-77	35	0	-197	68	216.0	164.6	6.5	0.0	380.6	1	
1L	200	-11620	89	35	0	-197	292	216.0	222.4	7.6	0.0	438.4	1	
1M	200	-118	-77	125	0	-57	68	2.2	60.2	6.5	0.0	62.3	1	
1N	200	-118	89	125	0	-57	292	2.2	117.9	7.6	0.0	120.1	1	
1O	200	-118	-77	35	0	-197	68	2.2	164.6	6.5	0.0	166.8	1	
1P	200	-118	89	35	0	-197	292	2.2	222.4	7.6	0.0	224.6	1	
2	200	-8006	7	106	0	-163	231	148.8	181.1	4.0	0.0	330.0	1	
7	200	-8034	8	108	0	-165	232	149.3	183.4	4.1	0.0	332.7	1	

8	200	-7857	7	105	0	-163	232	146.0	181.4	3.9	0.0	327.5	1

ASTA NUM. 56 NI 955 NF 954 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11664	50	-86	0	-87	221	216.8	122.2	4.2	0.0	339.0	1	
1B	0	-11664	67	-86	0	-87	131	216.8	99.1	5.7	0.0	315.9	1	
1C	0	-11664	50	-146	0	-170	221	216.8	184.2	5.5	0.0	401.0	1	
1D	0	-11664	67	-146	0	-170	131	216.8	161.2	5.7	0.0	378.0	1	
1E	0	-4894	50	-86	0	-87	221	91.0	122.2	4.2	0.0	213.1	1	
1F	0	-4894	67	-86	0	-87	131	91.0	99.1	5.7	0.0	190.1	1	
1G	0	-4894	50	-146	0	-170	221	91.0	184.2	5.5	0.0	275.2	1	
1H	0	-4894	67	-146	0	-170	131	91.0	161.2	5.7	0.0	252.1	1	
1I	0	-17966	32	-56	0	-58	288	333.9	117.2	2.7	0.0	451.2	1	
1J	0	-17966	85	-56	0	-58	64	333.9	59.7	7.2	0.0	393.6	1	
1K	0	-17966	32	-177	0	-200	288	333.9	223.6	6.6	0.0	557.6	1	
1L	0	-17966	85	-177	0	-200	64	333.9	166.1	7.2	0.0	500.0	1	
1M	0	1408	32	-56	0	-58	288	26.2	117.2	2.7	0.0	143.4	1	
1N	0	1408	85	-56	0	-58	64	26.2	59.7	7.2	0.0	85.9	1	
1O	0	1408	32	-177	0	-200	288	26.2	223.6	6.6	0.0	249.8	1	
1P	0	1408	85	-177	0	-200	64	26.2	166.1	7.2	0.0	192.3	1	
2	0	-11030	76	-151	0	-164	226	205.0	181.1	6.5	0.0	386.1	1	
7	0	-11140	76	-153	0	-167	227	207.1	183.5	6.5	0.0	390.6	1	
8	0	-10900	76	-150	0	-165	226	202.6	181.6	6.5	0.0	384.2	1	
1A	100	-11664	7	-86	0	-15	256	216.8	76.9	3.2	0.0	293.7	1	
1B	100	-11664	25	-86	0	-15	171	216.8	55.1	3.2	0.0	271.9	1	
1C	100	-11664	7	-146	0	-10	256	216.8	73.6	5.5	0.0	290.4	1	
1D	100	-11664	25	-146	0	-10	171	216.8	51.8	5.5	0.0	268.6	1	
1E	100	-4894	7	-86	0	-15	256	91.0	76.9	3.2	0.0	167.8	1	
1F	100	-4894	25	-86	0	-15	171	91.0	55.1	3.2	0.0	146.0	1	
1G	100	-4894	7	-146	0	-10	256	91.0	73.6	5.5	0.0	164.6	1	
1H	100	-4894	25	-146	0	-10	171	91.0	51.8	5.5	0.0	142.8	1	
1I	100	-17966	-11	-56	0	91	315	333.9	149.0	2.1	0.0	483.0	1	
1J	100	-17966	43	-56	0	91	112	333.9	96.6	3.6	0.0	430.6	1	
1K	100	-17966	-11	-177	0	-116	315	333.9	167.9	6.6	0.0	501.9	1	
1L	100	-17966	43	-177	0	-116	112	333.9	115.5	6.6	0.0	449.4	1	
1M	100	1408	-11	-56	0	91	315	26.2	149.0	2.1	0.0	175.2	1	
1N	100	1408	43	-56	0	91	112	26.2	96.6	3.6	0.0	122.8	1	
1O	100	1408	-11	-177	0	-116	315	26.2	167.9	6.6	0.0	194.1	1	
1P	100	1408	43	-177	0	-116	112	26.2	115.5	6.6	0.0	141.7	1	
2	100	-11030	21	-151	0	-14	274	205.0	80.9	5.6	0.0	286.0	1	
7	100	-11140	21	-153	0	-14	276	207.1	81.6	5.7	0.0	288.7	1	
8	100	-10900	21	-150	0	-15	275	202.6	81.8	5.6	0.0	284.4	1	
1A	200	-11664	-35	-86	0	58	248	216.8	107.1	3.2	0.0	323.9	1	
1B	200	-11664	-17	-86	0	58	169	216.8	86.6	3.2	0.0	303.4	1	
1C	200	-11664	-35	-146	0	149	248	216.8	175.6	5.5	0.0	392.5	1	
1D	200	-11664	-17	-146	0	149	169	216.8	155.1	5.5	0.0	371.9	1	
1E	200	-4894	-35	-86	0	58	248	91.0	107.1	3.2	0.0	198.1	1	
1F	200	-4894	-17	-86	0	58	169	91.0	86.6	3.2	0.0	177.5	1	
1G	200	-4894	-35	-146	0	149	248	91.0	175.6	5.5	0.0	266.6	1	
1H	200	-4894	-17	-146	0	149	169	91.0	155.1	5.5	0.0	246.1	1	
1I	200	-17966	-53	-56	0	239	300	333.9	256.3	4.5	0.0	590.2	1	
1J	200	-17966	1	-56	0	239	117	333.9	209.0	2.1	0.0	542.9	1	
1K	200	-17966	-53	-177	0	-32	300	333.9	101.3	6.6	0.0	435.3	1	
1L	200	-17966	1	-177	0	-32	117	333.9	54.0	6.6	0.0	388.0	1	
1M	200	1408	-53	-56	0	239	300	26.2	256.3	4.5	0.0	282.4	1	
1N	200	1408	1	-56	0	239	117	26.2	209.0	2.1	0.0	235.1	1	
1O	200	1408	-53	-177	0	-32	300	26.2	101.3	6.6	0.0	127.5	1	
1P	200	1408	1	-177	0	-32	117	26.2	54.0	6.6	0.0	80.2	1	
2	200	-11030	-34	-151	0	137	268	205.0	171.4	5.6	0.0	376.5	1	
7	200	-11140	-34	-153	0	139	270	207.1	173.3	5.7	0.0	380.4	1	
8	200	-10900	-34	-150	0	135	269	202.6	170.5	5.6	0.0	373.1	1	

ASTA NUM. 57 NI 954 NF 357 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13747	26	164	0	151	248	255.5	177.0	6.1	0.0	432.5	1	
1B	0	-13747	61	164	0	151	167	255.5	156.2	6.1	0.0	411.7	1	
1C	0	-13747	26	125	0	64	248	255.5	111.4	4.7	0.0	367.0	1	
1D	0	-13747	61	125	0	64	167	255.5	90.6	5.2	0.0	346.1	1	
1E	0	-6873	26	164	0	151	248	127.8	177.0	6.1	0.0	304.7	1	
1F	0	-6873	61	164	0	151	167	127.8	156.2	6.1	0.0	283.9	1	
1G	0	-6873	26	125	0	64	248	127.8	111.4	4.7	0.0	239.2	1	
1H	0	-6873	61	125	0	64	167	127.8	90.6	5.2	0.0	218.4	1	
1I	0	-20578	27	201	0	243	299	382.5	258.5	7.5	0.0	641.0	1	
1J	0	-20578	61	201	0	243	115	382.5	211.3	7.5	0.0	593.8	1	
1K	0	-20578	27	88	0	-28	299	382.5	97.6	3.3	0.0	480.1	1	
1L	0	-20578	61	88	0	-28	115	382.5	50.4	5.1	0.0	432.8	1	
1M	0	-42	27	201	0	243	299	0.8	258.5	7.5	0.0	259.3	1	
1N	0	-42	61	201	0	243	115	0.8	211.3	7.5	0.0	212.1	1	

1O	0	-42	27	88	0	-28	299	0.8	97.6	3.3	0.0	98.4	1
1P	0	-42	61	88	0	-28	115	0.8	50.4	5.1	0.0	51.1	1
2	0	-13700	56	188	0	142	267	254.6	175.2	7.0	0.0	429.8	1
7	0	-13810	57	190	0	144	268	256.7	177.0	7.1	0.0	433.7	1
8	0	-13560	57	187	0	141	267	252.0	174.2	7.0	0.0	426.3	1
1A	100	-13747	-16	164	0	3	273	255.5	72.3	6.1	0.0	327.8	1
1B	100	-13747	19	164	0	3	187	255.5	50.1	6.1	0.0	305.7	1
1C	100	-13747	-16	125	0	-76	273	255.5	127.4	4.7	0.0	383.0	1
1D	100	-13747	19	125	0	-76	187	255.5	105.3	4.7	0.0	360.8	1
1E	100	-6873	-16	164	0	3	273	127.8	72.3	6.1	0.0	200.0	1
1F	100	-6873	19	164	0	3	187	127.8	50.1	6.1	0.0	177.9	1
1G	100	-6873	-16	125	0	-76	273	127.8	127.4	4.7	0.0	255.2	1
1H	100	-6873	19	125	0	-76	187	127.8	105.3	4.7	0.0	233.1	1
1I	100	-20578	-15	201	0	82	331	382.5	146.7	7.5	0.0	529.2	1
1J	100	-20578	18	201	0	82	129	382.5	94.9	7.5	0.0	477.4	1
1K	100	-20578	-15	88	0	-156	331	382.5	201.9	3.3	0.0	584.4	1
1L	100	-20578	18	88	0	-156	129	382.5	150.0	3.3	0.0	532.5	1
1M	100	-42	-15	201	0	82	331	0.8	146.7	7.5	0.0	147.5	1
1N	100	-42	18	201	0	82	129	0.8	94.9	7.5	0.0	95.7	1
1O	100	-42	-15	88	0	-156	331	0.8	201.9	3.3	0.0	202.7	1
1P	100	-42	18	88	0	-156	129	0.8	150.0	3.3	0.0	150.8	1
2	100	-13700	2	188	0	-46	296	254.6	110.2	7.0	0.0	364.8	1
7	100	-13810	2	190	0	-45	297	256.7	110.5	7.1	0.0	367.2	1
8	100	-13560	2	187	0	-46	296	252.0	111.0	7.0	0.0	363.1	1
1A	200	-13747	-59	164	0	-146	256	255.5	174.9	6.1	0.0	430.4	1
1B	200	-13747	-23	164	0	-146	165	255.5	151.4	6.1	0.0	407.0	1
1C	200	-13747	-59	125	0	-217	256	255.5	227.9	5.0	0.0	483.5	1
1D	200	-13747	-23	125	0	-217	165	255.5	204.5	4.7	0.0	460.0	1
1E	200	-6873	-59	164	0	-146	256	127.8	174.9	6.1	0.0	302.6	1
1F	200	-6873	-23	164	0	-146	165	127.8	151.4	6.1	0.0	279.2	1
1G	200	-6873	-59	125	0	-217	256	127.8	227.9	5.0	0.0	355.7	1
1H	200	-6873	-23	125	0	-217	165	127.8	204.5	4.7	0.0	332.2	1
1I	200	-20578	-58	201	0	-78	320	382.5	140.5	7.5	0.0	523.0	1
1J	200	-20578	-24	201	0	-78	100	382.5	84.1	7.5	0.0	466.6	1
1K	200	-20578	-58	88	0	-285	320	382.5	295.3	4.9	0.0	677.8	1
1L	200	-20578	-24	88	0	-285	100	382.5	238.8	3.3	0.0	621.3	1
1M	200	-42	-58	201	0	-78	320	0.8	140.5	7.5	0.0	141.3	1
1N	200	-42	-24	201	0	-78	100	0.8	84.1	7.5	0.0	84.9	1
1O	200	-42	-58	88	0	-285	320	0.8	295.3	4.9	0.0	296.1	1
1P	200	-42	-24	88	0	-285	100	0.8	238.8	3.3	0.0	239.6	1
2	200	-13700	-53	188	0	-234	270	254.6	244.2	7.0	0.0	498.9	1
7	200	-13810	-53	190	0	-235	271	256.7	246.0	7.1	0.0	502.6	1
8	200	-13560	-53	187	0	-234	270	252.0	244.6	7.0	0.0	496.6	1

ASTA NUM. 58 NI 357 NF 177 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-12826	59	-121	0	-147	253	238.4	175.1	5.0	0.0	413.5	1	
1B	0	-12826	66	-121	0	-147	165	238.4	152.4	5.6	0.0	390.8	1	
1C	0	-12826	59	-155	0	-214	253	238.4	225.1	5.8	0.0	463.5	1	
1D	0	-12826	66	-155	0	-214	165	238.4	202.3	5.8	0.0	440.7	1	
1E	0	-6390	59	-121	0	-147	253	118.8	175.1	5.0	0.0	293.9	1	
1F	0	-6390	66	-121	0	-147	165	118.8	152.4	5.6	0.0	271.1	1	
1G	0	-6390	59	-155	0	-214	253	118.8	225.1	5.8	0.0	343.8	1	
1H	0	-6390	66	-155	0	-214	165	118.8	202.3	5.8	0.0	321.1	1	
1I	0	-19103	55	-86	0	-76	318	355.1	138.5	4.7	0.0	493.6	1	
1J	0	-19103	70	-86	0	-76	100	355.1	82.5	6.0	0.0	437.6	1	
1K	0	-19103	55	-190	0	-285	318	355.1	294.9	7.1	0.0	650.0	1	
1L	0	-19103	70	-190	0	-285	100	355.1	238.9	7.1	0.0	593.9	1	
1M	0	-113	55	-86	0	-76	318	2.1	138.5	4.7	0.0	140.6	1	
1N	0	-113	70	-86	0	-76	100	2.1	82.5	6.0	0.0	84.6	1	
1O	0	-113	55	-190	0	-285	318	2.1	294.9	7.1	0.0	297.0	1	
1P	0	-113	70	-190	0	-285	100	2.1	238.9	7.1	0.0	241.0	1	
2	0	-12710	82	-179	0	-232	268	236.2	242.6	6.9	0.0	478.9	1	
7	0	-12830	82	-181	0	-234	270	238.5	244.4	6.9	0.0	482.9	1	
8	0	-12590	82	-178	0	-232	269	234.0	243.1	6.9	0.0	477.2	1	
1A	100	-12826	17	-121	0	-6	297	238.4	80.6	4.5	0.0	319.0	1	
1B	100	-12826	24	-121	0	-6	205	238.4	57.0	4.5	0.0	295.4	1	
1C	100	-12826	17	-155	0	-79	297	238.4	135.3	5.8	0.0	373.7	1	
1D	100	-12826	24	-155	0	-79	205	238.4	111.7	5.8	0.0	350.1	1	
1E	100	-6390	17	-121	0	-6	297	118.8	80.6	4.5	0.0	199.4	1	
1F	100	-6390	24	-121	0	-6	205	118.8	57.0	4.5	0.0	175.7	1	
1G	100	-6390	17	-155	0	-79	297	118.8	135.3	5.8	0.0	254.1	1	
1H	100	-6390	24	-155	0	-79	205	118.8	111.7	5.8	0.0	230.4	1	
1I	100	-19103	13	-86	0	71	367	355.1	147.6	3.2	0.0	502.7	1	
1J	100	-19103	28	-86	0	71	135	355.1	88.0	3.2	0.0	443.0	1	
1K	100	-19103	13	-190	0	-156	367	355.1	210.9	7.1	0.0	565.9	1	
1L	100	-19103	28	-190	0	-156	135	355.1	151.2	7.1	0.0	506.3	1	
1M	100	-113	13	-86	0	71	367	2.1	147.6	3.2	0.0	149.7	1	
1N	100	-113	28	-86	0	71	135	2.1	88.0	3.2	0.0	90.1	1	
1O	100	-113	13	-190	0	-156	367	2.1	210.9	7.1	0.0	213.0	1	
1P	100	-113	28	-190	0	-156	135	2.1	151.2	7.1	0.0	153.3	1	
2	100	-12710	27	-179	0	-53	322	236.2	122.7	6.7	0.0	359.0	1	
7	100	-12830	27	-181	0	-53	324	238.5	123.1	6.8	0.0	361.6	1	
8	100	-12590	27	-178	0	-54	323	234.0	123.5	6.7	0.0	357.5	1	
1A	200	-12826	-25	-121	0	136	298	238.4	178.1	4.5	0.0	416.5	1	

1B	200	-12826	-18	-121	0	136	203	238.4	153.6	4.5	0.0	392.0	1
1C	200	-12826	-25	-155	0	56	298	238.4	118.6	5.8	0.0	357.0	1
1D	200	-12826	-18	-155	0	56	203	238.4	94.1	5.8	0.0	332.5	1
1E	200	-6390	-25	-121	0	136	298	118.8	178.1	4.5	0.0	296.9	1
1F	200	-6390	-18	-121	0	136	203	118.8	153.6	4.5	0.0	272.3	1
1G	200	-6390	-25	-155	0	56	298	118.8	118.6	5.8	0.0	237.4	1
1H	200	-6390	-18	-155	0	56	203	118.8	94.1	5.8	0.0	212.9	1
1I	200	-19103	-29	-86	0	218	373	355.1	259.3	3.2	0.0	614.4	1
1J	200	-19103	-14	-86	0	218	127	355.1	196.1	3.2	0.0	551.2	1
1K	200	-19103	-29	-190	0	-27	373	355.1	115.9	7.1	0.0	471.0	1
1L	200	-19103	-14	-190	0	-27	127	355.1	52.7	7.1	0.0	407.8	1
1M	200	-113	-29	-86	0	218	373	2.1	259.3	3.2	0.0	261.4	1
1N	200	-113	-14	-86	0	218	127	2.1	196.1	3.2	0.0	198.2	1
1O	200	-113	-29	-190	0	-27	373	2.1	115.9	7.1	0.0	118.0	1
1P	200	-113	-14	-190	0	-27	127	2.1	52.7	7.1	0.0	54.8	1
2	200	-12710	-28	-179	0	126	322	236.2	176.9	6.7	0.0	413.2	1
7	200	-12830	-28	-181	0	128	324	238.5	178.9	6.8	0.0	417.4	1
8	200	-12590	-28	-178	0	125	323	234.0	176.4	6.7	0.0	410.4	1

ASTA NUM. 59 NI 177 NF 438 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10326	-186	133	0	136	300	191.9	179.1	15.8	0.0	371.1	1	
1B	0	-10326	-87	133	0	136	205	191.9	154.8	7.4	0.0	346.8	1	
1C	0	-10326	-186	79	0	55	300	191.9	118.4	15.8	0.0	310.3	1	
1D	0	-10326	-87	79	0	55	205	191.9	94.1	7.4	0.0	286.0	1	
1E	0	-4178	-186	133	0	136	300	77.7	179.1	15.8	0.0	256.8	1	
1F	0	-4178	-87	133	0	136	205	77.7	154.8	7.4	0.0	232.5	1	
1G	0	-4178	-186	79	0	55	300	77.7	118.4	15.8	0.0	196.0	1	
1H	0	-4178	-87	79	0	55	205	77.7	94.1	7.4	0.0	171.8	1	
1I	0	-16309	-216	161	0	221	376	303.1	262.3	18.3	0.0	565.4	1	
1J	0	-16309	-57	161	0	221	129	303.1	198.8	6.0	0.0	501.9	1	
1K	0	-16309	-216	50	0	-30	376	303.1	119.1	18.3	0.0	422.2	1	
1L	0	-16309	-57	50	0	-30	129	303.1	55.6	4.9	0.0	358.7	1	
1M	0	1805	-216	161	0	221	376	33.5	262.3	18.3	0.0	295.8	1	
1N	0	1805	-57	161	0	221	129	33.5	198.8	6.0	0.0	232.3	1	
1O	0	1805	-216	50	0	-30	376	33.5	119.1	18.3	0.0	152.6	1	
1P	0	1805	-57	50	0	-30	129	33.5	55.6	4.9	0.0	89.1	1	
2	0	-9690	-177	135	0	126	325	180.1	177.7	15.0	0.0	357.8	1	
7	0	-9793	-178	138	0	128	327	182.0	179.7	15.1	0.0	361.8	1	
8	0	-9563	-177	135	0	125	326	177.8	177.1	15.0	0.0	354.9	1	
1A	100	-10326	-229	133	0	-9	79	191.9	26.7	19.4	0.0	218.7	1	
1B	100	-10326	-129	133	0	-9	111	191.9	34.9	11.0	0.0	226.8	1	
1C	100	-10326	-229	79	0	-12	79	191.9	29.1	19.4	0.0	221.0	1	
1D	100	-10326	-129	79	0	-12	111	191.9	37.2	11.0	0.0	229.2	1	
1E	100	-4178	-229	133	0	-9	79	77.7	26.7	19.4	0.0	104.4	1	
1F	100	-4178	-129	133	0	-9	111	77.7	34.9	11.0	0.0	112.5	1	
1G	100	-4178	-229	79	0	-12	79	77.7	29.1	19.4	0.0	106.7	1	
1H	100	-4178	-129	79	0	-12	111	77.7	37.2	11.0	0.0	114.9	1	
1I	100	-16309	-258	161	0	84	128	303.1	95.8	21.9	0.0	399.0	1	
1J	100	-16309	-100	161	0	84	62	303.1	78.8	8.4	0.0	382.0	1	
1K	100	-16309	-258	50	0	-104	128	303.1	110.9	21.9	0.0	414.1	1	
1L	100	-16309	-100	50	0	-104	62	303.1	93.9	8.4	0.0	397.1	1	
1M	100	1805	-258	161	0	84	128	33.5	95.8	21.9	0.0	129.4	1	
1N	100	1805	-100	161	0	84	62	33.5	78.8	8.4	0.0	112.4	1	
1O	100	1805	-258	50	0	-104	128	33.5	110.9	21.9	0.0	144.5	1	
1P	100	1805	-100	50	0	-104	62	33.5	93.9	8.4	0.0	127.5	1	
2	100	-9690	-232	135	0	-10	120	180.1	38.2	19.7	0.0	218.3	1	
7	100	-9793	-233	138	0	-10	122	182.0	38.8	19.7	0.0	220.8	1	
8	100	-9563	-232	135	0	-11	121	177.8	39.2	19.7	0.0	216.9	1	
1A	200	-10326	-271	133	0	-153	-184	191.9	162.0	23.0	0.0	354.0	1	
1B	200	-10326	-171	133	0	-153	-26	191.9	121.4	14.5	0.0	313.4	1	
1C	200	-10326	-271	79	0	-78	-184	191.9	105.9	23.0	0.0	297.9	1	
1D	200	-10326	-171	79	0	-78	-26	191.9	65.4	14.5	0.0	257.3	1	
1E	200	-4178	-271	133	0	-153	-184	77.7	162.0	23.0	0.0	239.7	1	
1F	200	-4178	-171	133	0	-153	-26	77.7	121.4	14.5	0.0	199.1	1	
1G	200	-4178	-271	79	0	-78	-184	77.7	105.9	23.0	0.0	183.6	1	
1H	200	-4178	-171	79	0	-78	-26	77.7	65.4	14.5	0.0	143.0	1	
1I	200	-16309	-300	161	0	-53	-162	303.1	81.4	25.5	0.0	384.6	1	
1J	200	-16309	-142	161	0	-53	-48	303.1	51.9	12.0	0.0	355.1	1	
1K	200	-16309	-300	50	0	-179	-162	303.1	175.4	25.5	0.0	478.6	1	
1L	200	-16309	-142	50	0	-179	-48	303.1	145.9	12.0	0.0	449.1	1	
1M	200	1805	-300	161	0	-53	-162	33.5	81.4	25.5	0.0	115.0	1	
1N	200	1805	-142	161	0	-53	-48	33.5	51.9	12.0	0.0	85.5	1	
1O	200	1805	-300	50	0	-179	-162	33.5	175.4	25.5	0.0	209.0	1	
1P	200	1805	-142	50	0	-179	-48	33.5	145.9	12.0	0.0	179.5	1	
2	200	-9690	-287	135	0	-145	-139	180.1	144.2	24.3	0.0	324.3	1	
7	200	-9793	-288	138	0	-148	-139	182.0	146.4	24.4	0.0	328.5	1	
8	200	-9563	-287	135	0	-146	-138	177.8	144.9	24.3	0.0	322.6	1	

ASTA NUM. 60 NI 438 NF 603 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm		kg			kg*m			kg/cmq				
1A	0	-3838	571	-66	0	-78	-31	71.3	66.2	48.4	0.0	137.5	1
1B	0	-3838	783	-66	0	-78	-189	71.3	106.9	66.4	0.0	178.3	1
1C	0	-3838	571	-102	0	-149	-31	71.3	119.3	48.4	0.0	190.7	1
1D	0	-3838	783	-102	0	-149	-189	71.3	160.1	66.4	0.0	231.4	1
1E	0	-1090	571	-66	0	-78	-31	20.3	66.2	48.4	0.0	86.7	4
1F	0	-1090	783	-66	0	-78	-189	20.3	106.9	66.4	0.0	127.2	1
1G	0	-1090	571	-102	0	-149	-31	20.3	119.3	48.4	0.0	139.6	1
1H	0	-1090	783	-102	0	-149	-189	20.3	160.1	66.4	0.0	180.3	1
1I	0	-6224	450	-36	0	-48	-51	115.7	48.7	38.1	0.0	164.4	1
1J	0	-6224	904	-36	0	-48	-169	115.7	79.0	76.6	0.0	195.0	3
1K	0	-6224	450	-132	0	-179	-51	115.7	147.3	38.1	0.0	263.0	1
1L	0	-6224	904	-132	0	-179	-169	115.7	177.6	76.6	0.0	293.3	1
1M	0	1296	450	-36	0	-48	-51	24.1	48.7	38.1	0.0	72.8	1
1N	0	1296	904	-36	0	-48	-169	24.1	79.0	76.6	0.0	135.1	4
1O	0	1296	450	-132	0	-179	-51	24.1	147.3	38.1	0.0	171.4	1
1P	0	1296	904	-132	0	-179	-169	24.1	177.6	76.6	0.0	201.7	1
2	0	-3376	878	-104	0	-141	-146	62.8	143.1	74.4	0.0	205.8	1
7	0	-3417	880	-106	0	-144	-145	63.5	145.3	74.6	0.0	208.8	1
8	0	-3293	878	-105	0	-142	-145	61.2	143.9	74.4	0.0	205.1	1
1A	100	-3838	528	-66	0	-23	516	71.3	150.0	44.8	0.0	221.4	1
1B	100	-3838	741	-66	0	-23	576	71.3	165.4	62.8	0.0	236.7	1
1C	100	-3838	528	-102	0	-35	516	71.3	159.1	44.8	0.0	230.4	1
1D	100	-3838	741	-102	0	-35	576	71.3	174.5	62.8	0.0	245.8	1
1E	100	-1090	528	-66	0	-23	516	20.3	150.0	44.8	0.0	170.3	1
1F	100	-1090	741	-66	0	-23	576	20.3	165.4	62.8	0.0	185.7	1
1G	100	-1090	528	-102	0	-35	516	20.3	159.1	44.8	0.0	179.4	1
1H	100	-1090	741	-102	0	-35	576	20.3	174.5	62.8	0.0	194.7	1
1I	100	-6224	408	-36	0	-15	377	115.7	108.0	34.6	0.0	223.7	1
1J	100	-6224	862	-36	0	-15	715	115.7	195.1	73.1	0.0	310.8	1
1K	100	-6224	408	-132	0	-43	377	115.7	129.4	34.6	0.0	245.1	1
1L	100	-6224	862	-132	0	-43	715	115.7	216.5	73.1	0.0	332.2	1
1M	100	1296	408	-36	0	-15	377	24.1	108.0	34.6	0.0	132.1	1
1N	100	1296	862	-36	0	-15	715	24.1	195.1	73.1	0.0	219.7	3
1O	100	1296	408	-132	0	-43	377	24.1	129.4	34.6	0.0	153.5	1
1P	100	1296	862	-132	0	-43	715	24.1	216.5	73.1	0.0	240.6	1
2	100	-3376	823	-104	0	-37	705	62.8	209.4	69.8	0.0	272.1	1
7	100	-3417	825	-106	0	-38	707	63.5	210.2	69.9	0.0	273.8	1
8	100	-3293	823	-105	0	-38	706	61.2	209.8	69.8	0.0	271.0	1
1A	200	-3838	486	-66	0	32	1020	71.3	286.2	41.2	0.0	357.5	1
1B	200	-3838	699	-66	0	32	1298	71.3	357.7	59.2	0.0	429.0	1
1C	200	-3838	486	-102	0	78	1020	71.3	321.2	41.2	0.0	392.5	1
1D	200	-3838	699	-102	0	78	1298	71.3	392.7	59.2	0.0	464.0	1
1E	200	-1090	486	-66	0	32	1020	20.3	286.2	41.2	0.0	306.5	1
1F	200	-1090	699	-66	0	32	1298	20.3	357.7	59.2	0.0	378.0	1
1G	200	-1090	486	-102	0	78	1020	20.3	321.2	41.2	0.0	341.5	1
1H	200	-1090	699	-102	0	78	1298	20.3	392.7	59.2	0.0	413.0	1
1I	200	-6224	365	-36	0	18	762	115.7	209.3	31.0	0.0	325.0	1
1J	200	-6224	819	-36	0	18	1556	115.7	413.8	69.5	0.0	529.5	1
1K	200	-6224	365	-132	0	92	762	115.7	265.1	31.0	0.0	380.8	1
1L	200	-6224	819	-132	0	92	1556	115.7	469.6	69.5	0.0	585.3	1
1M	200	1296	365	-36	0	18	762	24.1	209.3	31.0	0.0	233.4	1
1N	200	1296	819	-36	0	18	1556	24.1	413.8	69.5	0.0	437.9	1
1O	200	1296	365	-132	0	92	762	24.1	265.1	31.0	0.0	289.2	1
1P	200	1296	819	-132	0	92	1556	24.1	469.6	69.5	0.0	493.7	1
2	200	-3376	768	-104	0	66	1500	62.8	435.5	65.1	0.0	498.2	1
7	200	-3417	770	-106	0	68	1504	63.5	438.2	65.3	0.0	501.7	1
8	200	-3293	768	-105	0	67	1502	61.2	436.9	65.1	0.0	498.1	1

ASTA NUM. 61 NI 603 NF 437 Lungh. 100.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-500	-2882	167	0	77	1317	9.3	396.7	244.4	0.0	489.1	3	
1B	0	-500	-2292	167	0	77	1041	9.3	325.6	194.3	0.0	389.4	3	
1C	0	-500	-2882	-63	0	41	1317	9.3	369.3	244.4	0.0	488.4	3	
1D	0	-500	-2292	-63	0	41	1041	9.3	298.2	194.3	0.0	388.7	3	
1E	0	2030	-2882	167	0	77	1317	37.7	396.7	244.4	0.0	507.8	3	
1F	0	2030	-2292	167	0	77	1041	37.7	325.6	194.3	0.0	408.3	3	
1G	0	2030	-2882	-63	0	41	1317	37.7	369.3	244.4	0.0	507.1	3	
1H	0	2030	-2292	-63	0	41	1041	37.7	298.2	194.3	0.0	407.6	3	
1I	0	-2665	-3457	198	0	93	1580	49.5	476.1	293.1	0.0	612.0	3	
1J	0	-2665	-1717	198	0	93	778	49.5	270.0	145.6	0.0	321.4	3	
1K	0	-2665	-3457	-93	0	25	1580	49.5	424.8	293.1	0.0	610.7	3	
1L	0	-2665	-1717	-93	0	25	778	49.5	218.7	145.6	0.0	320.0	3	
1M	0	4196	-3457	198	0	93	1580	78.0	476.1	293.1	0.0	631.6	3	
1N	0	4196	-1717	198	0	93	778	78.0	270.0	145.6	0.0	348.0	1	
1O	0	4196	-3457	-93	0	25	1580	78.0	424.8	293.1	0.0	630.4	3	
1P	0	4196	-1717	-93	0	25	778	78.0	218.7	145.6	0.0	340.9	3	
2	0	806	-3344	64	0	71	1526	15.0	446.1	283.5	0.0	569.4	3	
7	0	776	-3354	72	0	74	1530	14.4	448.7	284.4	0.0	570.7	3	
8	0	892	-3349	63	0	72	1528	16.6	447.4	284.0	0.0	571.2	3	
1A	50	-500	-2903	167	0	106	-130	9.3	112.5	246.2	0.0	426.6	4	
1B	50	-500	-2313	167	0	106	-108	9.3	107.0	196.1	0.0	339.8	4	
1C	50	-500	-2903	-63	0	-40	-130	9.3	63.5	246.2	0.0	426.5	4	
1D	50	-500	-2313	-63	0	-40	-108	9.3	58.0	196.1	0.0	339.8	4	

1E	50	2030	-2903	167	0	106	-130	37.7	112.5	246.2	0.0	428.3	4
1F	50	2030	-2313	167	0	106	-108	37.7	107.0	196.1	0.0	342.0	4
1G	50	2030	-2903	-63	0	-40	-130	37.7	63.5	246.2	0.0	428.2	4
1H	50	2030	-2313	-63	0	-40	-108	37.7	58.0	196.1	0.0	341.8	4
1I	50	-2665	-3478	198	0	135	-155	49.5	141.1	294.9	0.0	513.6	4
1J	50	-2665	-1738	198	0	135	-84	49.5	122.9	147.3	0.0	260.6	4
1K	50	-2665	-3478	-93	0	-70	-155	49.5	92.1	294.9	0.0	513.4	4
1L	50	-2665	-1738	-93	0	-70	-84	49.5	73.9	147.3	0.0	260.3	4
1M	50	4196	-3478	198	0	135	-155	78.0	141.1	294.9	0.0	517.3	4
1N	50	4196	-1738	198	0	135	-84	78.0	122.9	147.3	0.0	267.8	4
1O	50	4196	-3478	-93	0	-70	-155	78.0	92.1	294.9	0.0	517.0	4
1P	50	4196	-1738	-93	0	-70	-84	78.0	73.9	147.3	0.0	267.4	4
2	50	806	-3372	64	0	40	-153	15.0	68.9	285.9	0.0	495.4	4
7	50	776	-3382	72	0	37	-154	14.4	67.6	286.7	0.0	496.9	4
8	50	892	-3376	63	0	41	-154	16.6	70.3	286.3	0.0	496.2	4
1A	100	-500	-2924	167	0	134	-1588	9.3	508.9	248.0	0.0	536.1	3
1B	100	-500	-2334	167	0	134	-1268	9.3	426.7	197.9	0.0	436.0	1
1C	100	-500	-2924	-63	0	-121	-1588	9.3	499.0	248.0	0.0	535.8	3
1D	100	-500	-2334	-63	0	-121	-1268	9.3	416.8	197.9	0.0	429.5	3
1E	100	2030	-2924	167	0	134	-1588	37.7	508.9	248.0	0.0	556.5	3
1F	100	2030	-2334	167	0	134	-1268	37.7	426.7	197.9	0.0	464.5	1
1G	100	2030	-2924	-63	0	-121	-1588	37.7	499.0	248.0	0.0	556.2	3
1H	100	2030	-2334	-63	0	-121	-1268	37.7	416.8	197.9	0.0	454.6	1
1I	100	-2665	-3499	198	0	178	-1899	49.5	621.6	296.7	0.0	671.1	1
1J	100	-2665	-1759	198	0	178	-957	49.5	379.1	149.1	0.0	428.6	1
1K	100	-2665	-3499	-93	0	-164	-1899	49.5	611.7	296.7	0.0	669.0	3
1L	100	-2665	-1759	-93	0	-164	-957	49.5	369.2	149.1	0.0	418.7	1
1M	100	4196	-3499	198	0	178	-1899	78.0	621.6	296.7	0.0	699.6	1
1N	100	4196	-1759	198	0	178	-957	78.0	379.1	149.1	0.0	457.1	1
1O	100	4196	-3499	-93	0	-164	-1899	78.0	611.7	296.7	0.0	690.2	3
1P	100	4196	-1759	-93	0	-164	-957	78.0	369.2	149.1	0.0	447.2	1
2	100	806	-3399	64	0	8	-1845	15.0	480.6	288.2	0.0	623.3	3
7	100	776	-3409	72	0	1	-1851	14.4	477.3	289.1	0.0	624.7	3
8	100	892	-3404	63	0	10	-1849	16.6	483.0	288.6	0.0	625.6	3

ASTA NUM. 62 NI 884 NF 870 Lungh. 100.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3779	-1547	174	0	74	312	70.2	136.1	131.2	0.0	247.4	3	
1B	0	-3779	138	174	0	74	222	70.2	112.9	11.7	0.0	183.1	1	
1C	0	-3779	-1547	-74	0	40	312	70.2	110.6	131.2	0.0	246.7	3	
1D	0	-3779	138	-74	0	40	222	70.2	87.4	11.7	0.0	157.6	1	
1E	0	6629	-1547	174	0	74	312	123.2	136.1	131.2	0.0	281.6	3	
1F	0	6629	138	174	0	74	222	123.2	112.9	11.7	0.0	236.1	1	
1G	0	6629	-1547	-74	0	40	312	123.2	110.6	131.2	0.0	280.8	3	
1H	0	6629	138	-74	0	40	222	123.2	87.4	11.7	0.0	210.6	1	
1I	0	-3051	-1544	215	0	88	343	56.7	154.0	130.9	0.0	243.7	3	
1J	0	-3051	135	215	0	88	192	56.7	115.2	11.5	0.0	171.9	1	
1K	0	-3051	-1544	-114	0	27	343	56.7	108.3	130.9	0.0	242.6	3	
1L	0	-3051	135	-114	0	27	192	56.7	69.5	11.5	0.0	126.2	1	
1M	0	5901	-1544	215	0	88	343	109.7	154.0	130.9	0.0	277.1	3	
1N	0	5901	135	215	0	88	192	109.7	115.2	11.5	0.0	224.8	1	
1O	0	5901	-1544	-114	0	27	343	109.7	108.3	130.9	0.0	275.8	3	
1P	0	5901	135	-114	0	27	192	109.7	69.5	11.5	0.0	179.1	1	
2	0	1426	-878	62	0	69	189	26.5	100.1	74.4	0.0	134.7	3	
7	0	1164	-948	72	0	72	226	21.6	111.8	80.4	0.0	144.5	3	
8	0	1645	-872	61	0	70	236	30.6	113.4	73.9	0.0	143.9	1	
1A	50	-3779	-1568	174	0	109	358	70.2	173.6	132.9	0.0	256.3	3	
1B	50	-3779	117	174	0	109	-538	70.2	220.1	9.9	0.0	290.3	1	
1C	50	-3779	-1568	-74	0	-44	358	70.2	125.1	132.9	0.0	255.2	3	
1D	50	-3779	117	-74	0	-44	-538	70.2	171.7	9.9	0.0	241.9	1	
1E	50	6629	-1568	174	0	109	358	123.2	173.6	132.9	0.0	296.8	1	
1F	50	6629	117	174	0	109	-538	123.2	220.1	9.9	0.0	343.3	1	
1G	50	6629	-1568	-74	0	-44	358	123.2	125.1	132.9	0.0	290.2	3	
1H	50	6629	117	-74	0	-44	-538	123.2	171.7	9.9	0.0	294.9	1	
1I	50	-3051	-1565	215	0	141	-455	56.7	222.8	132.7	0.0	279.5	1	
1J	50	-3051	114	215	0	141	275	56.7	176.3	9.7	0.0	233.0	1	
1K	50	-3051	-1565	-114	0	-76	-455	56.7	174.4	132.7	0.0	261.0	3	
1L	50	-3051	114	-114	0	-76	275	56.7	127.9	9.7	0.0	184.6	1	
1M	50	5901	-1565	215	0	141	-455	109.7	222.8	132.7	0.0	332.5	1	
1N	50	5901	114	215	0	141	275	109.7	176.3	9.7	0.0	286.0	1	
1O	50	5901	-1565	-114	0	-76	-455	109.7	174.4	132.7	0.0	297.0	3	
1P	50	5901	114	-114	0	-76	275	109.7	127.9	9.7	0.0	237.5	1	
2	50	1426	-905	62	0	38	-257	26.5	94.4	76.8	0.0	146.1	3	
7	50	1164	-976	72	0	36	-255	21.6	92.4	82.7	0.0	150.6	3	
8	50	1645	-900	61	0	40	-206	30.6	82.8	76.3	0.0	141.1	3	
1A	100	-3779	-1589	174	0	144	392	70.2	208.4	134.7	0.0	278.6	1	
1B	100	-3779	96	174	0	144	-1309	70.2	444.3	8.1	0.0	514.5	1	
1C	100	-3779	-1589	-74	0	-129	392	70.2	197.5	134.7	0.0	267.7	1	
1D	100	-3779	96	-74	0	-129	-1309	70.2	433.4	8.1	0.0	503.6	1	
1E	100	6629	-1589	174	0	144	392	123.2	208.4	134.7	0.0	331.6	1	
1F	100	6629	96	174	0	144	-1309	123.2	444.3	8.1	0.0	567.5	1	
1G	100	6629	-1589	-74	0	-129	392	123.2	197.5	134.7	0.0	320.7	1	
1H	100	6629	96	-74	0	-129	-1309	123.2	433.4	8.1	0.0	556.6	1	
1I	100	-3051	-1586	215	0	194	-1264	56.7	470.6	134.5	0.0	527.3	1	
1J	100	-3051	93	215	0	194	347	56.7	234.7	8.1	0.0	291.4	1	
1K	100	-3051	-1586	-114	0	-180	-1264	56.7	459.7	134.5	0.0	516.4	1	

1L	100	-3051	93	-114	0	-180	347	56.7	223.8	7.9	0.0	280.5	1
1M	100	5901	-1586	215	0	194	-1264	109.7	470.6	134.5	0.0	580.3	1
1N	100	5901	93	215	0	194	347	109.7	234.7	8.1	0.0	344.4	1
1O	100	5901	-1586	-114	0	-180	-1264	109.7	459.7	134.5	0.0	569.4	1
1P	100	5901	93	-114	0	-180	347	109.7	223.8	7.9	0.0	333.5	1
2	100	1426	-933	62	0	7	-717	26.5	189.4	79.1	0.0	226.8	3
7	100	1164	-1003	72	0	-0	-750	21.6	193.1	85.0	0.0	234.0	3
8	100	1645	-927	61	0	9	-663	30.6	177.6	78.6	0.0	219.5	3

ASTA NUM. 63 NI 882 NF 884 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8133	56	-66	0	-78	222	151.2	115.5	4.7	0.0	266.6	1	
1B	0	-8133	142	-66	0	-78	80	151.2	78.8	12.0	0.0	229.9	1	
1C	0	-8133	56	-105	0	-150	222	151.2	169.8	4.7	0.0	320.9	1	
1D	0	-8133	142	-105	0	-150	80	151.2	133.1	12.0	0.0	284.2	1	
1E	0	-2233	56	-66	0	-78	222	41.5	115.5	4.7	0.0	157.0	1	
1F	0	-2233	142	-66	0	-78	80	41.5	78.8	12.0	0.0	120.3	1	
1G	0	-2233	56	-105	0	-150	222	41.5	169.8	4.7	0.0	211.3	1	
1H	0	-2233	142	-105	0	-150	80	41.5	133.1	12.0	0.0	174.6	1	
1I	0	-8298	68	-39	0	-48	230	154.2	95.2	5.8	0.0	249.4	1	
1J	0	-8298	130	-39	0	-48	72	154.2	54.6	11.0	0.0	208.8	1	
1K	0	-8298	68	-132	0	-180	230	154.2	193.9	5.8	0.0	348.2	1	
1L	0	-8298	130	-132	0	-180	72	154.2	153.3	11.0	0.0	307.6	1	
1M	0	-2068	68	-39	0	-48	230	38.4	95.2	5.8	0.0	133.6	1	
1N	0	-2068	130	-39	0	-48	72	38.4	54.6	11.0	0.0	93.0	1	
1O	0	-2068	68	-132	0	-180	230	38.4	193.9	5.8	0.0	232.3	1	
1P	0	-2068	130	-132	0	-180	72	38.4	153.3	11.0	0.0	191.8	1	
2	0	-6589	45	-106	0	-142	209	122.5	160.2	4.0	0.0	282.7	1	
7	0	-6825	62	-109	0	-145	210	126.9	162.8	5.3	0.0	289.7	1	
8	0	-6584	71	-107	0	-144	204	122.4	160.0	6.0	0.0	282.3	1	
1A	100	-8133	14	-66	0	-20	242	151.2	77.6	2.5	0.0	228.8	1	
1B	100	-8133	100	-66	0	-20	215	151.2	70.7	8.5	0.0	221.8	1	
1C	100	-8133	14	-105	0	-37	242	151.2	89.7	3.9	0.0	240.9	1	
1D	100	-8133	100	-105	0	-37	215	151.2	82.8	8.5	0.0	234.0	1	
1E	100	-2233	14	-66	0	-20	242	41.5	77.6	2.5	0.0	119.1	1	
1F	100	-2233	100	-66	0	-20	215	41.5	70.7	8.5	0.0	112.2	1	
1G	100	-2233	14	-105	0	-37	242	41.5	89.7	3.9	0.0	131.2	1	
1H	100	-2233	100	-105	0	-37	215	41.5	82.8	8.5	0.0	124.3	1	
1I	100	-8298	26	-39	0	-12	305	154.2	87.5	2.2	0.0	241.8	1	
1J	100	-8298	88	-39	0	-12	152	154.2	48.2	7.4	0.0	202.4	1	
1K	100	-8298	26	-132	0	-45	305	154.2	112.2	5.0	0.0	266.4	1	
1L	100	-8298	88	-132	0	-45	152	154.2	72.9	7.4	0.0	227.1	1	
1M	100	-2068	26	-39	0	-12	305	38.4	87.5	2.2	0.0	126.0	1	
1N	100	-2068	88	-39	0	-12	152	38.4	48.2	7.4	0.0	86.6	1	
1O	100	-2068	26	-132	0	-45	305	38.4	112.2	5.0	0.0	150.6	1	
1P	100	-2068	88	-132	0	-45	152	38.4	72.9	7.4	0.0	111.3	1	
2	100	-6589	-10	-106	0	-36	227	122.5	85.3	4.0	0.0	207.7	1	
7	100	-6825	7	-109	0	-36	245	126.9	90.4	4.1	0.0	217.2	1	
8	100	-6584	16	-107	0	-36	248	122.4	90.9	4.0	0.0	213.2	1	
1A	200	-8133	-28	-66	0	37	220	151.2	84.4	2.5	0.0	235.6	1	
1B	200	-8133	57	-66	0	37	309	151.2	107.2	4.9	0.0	258.4	1	
1C	200	-8133	-28	-105	0	77	220	151.2	114.4	3.9	0.0	265.6	1	
1D	200	-8133	57	-105	0	77	309	151.2	137.2	4.9	0.0	288.4	1	
1E	200	-2233	-28	-66	0	37	220	41.5	84.4	2.5	0.0	125.9	1	
1F	200	-2233	57	-66	0	37	309	41.5	107.2	4.9	0.0	148.7	1	
1G	200	-2233	-28	-105	0	77	220	41.5	114.4	3.9	0.0	155.9	1	
1H	200	-2233	57	-105	0	77	309	41.5	137.2	4.9	0.0	178.7	1	
1I	200	-8298	-17	-39	0	24	338	154.2	105.2	1.5	0.0	259.4	1	
1J	200	-8298	46	-39	0	24	190	154.2	67.1	3.9	0.0	221.3	1	
1K	200	-8298	-17	-132	0	90	338	154.2	154.6	5.0	0.0	308.8	1	
1L	200	-8298	46	-132	0	90	190	154.2	116.5	5.0	0.0	270.7	1	
1M	200	-2068	-17	-39	0	24	338	38.4	105.2	1.5	0.0	143.6	1	
1N	200	-2068	46	-39	0	24	190	38.4	67.1	3.9	0.0	105.5	1	
1O	200	-2068	-17	-132	0	90	338	38.4	154.6	5.0	0.0	193.0	1	
1P	200	-2068	46	-132	0	90	190	38.4	116.5	5.0	0.0	154.9	1	
2	200	-6589	-65	-106	0	70	189	122.5	101.3	5.5	0.0	223.7	1	
7	200	-6825	-47	-109	0	72	226	126.9	112.3	4.1	0.0	239.1	1	
8	200	-6584	-39	-107	0	71	236	122.4	113.8	4.0	0.0	236.2	1	

ASTA NUM. 64 NI 880 NF 882 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14729	11	134	0	137	165	273.8	144.9	5.0	0.0	418.7	1	
1B	0	-14729	96	134	0	137	87	273.8	124.9	8.1	0.0	398.6	1	
1C	0	-14729	11	80	0	56	165	273.8	84.5	3.0	0.0	358.2	1	
1D	0	-14729	96	80	0	56	87	273.8	64.4	8.1	0.0	338.2	1	
1E	0	-8051	11	134	0	137	165	149.6	144.9	5.0	0.0	294.6	1	
1F	0	-8051	96	134	0	137	87	149.6	124.9	8.1	0.0	274.5	1	
1G	0	-8051	11	80	0	56	165	149.6	84.5	3.0	0.0	234.1	1	

1H	0	-8051	96	80	0	56	87	149.6	64.4	8.1	0.0	214.1	1
1I	0	-16571	-16	162	0	221	239	308.0	226.9	6.1	0.0	535.0	1
1J	0	-16571	123	162	0	221	14	308.0	168.9	10.4	0.0	476.9	1
1K	0	-16571	-16	52	0	-28	239	308.0	82.7	1.9	0.0	390.7	1
1L	0	-16571	123	52	0	-28	14	308.0	24.6	10.4	0.0	332.6	1
1M	0	-6209	-16	162	0	221	239	115.4	226.9	6.1	0.0	342.4	1
1N	0	-6209	123	162	0	221	14	115.4	168.9	10.4	0.0	284.3	1
1O	0	-6209	-16	52	0	-28	239	115.4	82.7	1.9	0.0	198.1	1
1P	0	-6209	123	52	0	-28	14	115.4	24.6	10.4	0.0	140.0	1
2	0	-14600	78	137	0	127	159	271.4	135.8	6.6	0.0	407.1	1
7	0	-14830	78	139	0	129	160	275.7	137.5	6.7	0.0	413.2	1
8	0	-14620	75	137	0	126	161	271.7	135.3	6.4	0.0	407.1	1
1A	100	-14729	-31	134	0	-9	143	273.8	43.8	5.0	0.0	317.6	1
1B	100	-14729	53	134	0	-9	175	273.8	52.0	5.0	0.0	325.8	1
1C	100	-14729	-31	80	0	-12	143	273.8	45.4	3.0	0.0	319.2	1
1D	100	-14729	53	80	0	-12	175	273.8	53.6	4.5	0.0	327.3	1
1E	100	-8051	-31	134	0	-9	143	149.6	43.8	5.0	0.0	193.5	1
1F	100	-8051	53	134	0	-9	175	149.6	52.0	5.0	0.0	201.6	1
1G	100	-8051	-31	80	0	-12	143	149.6	45.4	3.0	0.0	195.1	1
1H	100	-8051	53	80	0	-12	175	149.6	53.6	4.5	0.0	203.2	1
1I	100	-16571	-59	162	0	83	177	308.0	107.9	6.1	0.0	415.9	1
1J	100	-16571	81	162	0	83	141	308.0	98.7	6.9	0.0	406.7	1
1K	100	-16571	-59	52	0	-104	177	308.0	123.6	5.0	0.0	431.7	1
1L	100	-16571	81	52	0	-104	141	308.0	114.4	6.9	0.0	422.5	1
1M	100	-6209	-59	162	0	83	177	115.4	107.9	6.1	0.0	223.3	1
1N	100	-6209	81	162	0	83	141	115.4	98.7	6.9	0.0	214.1	1
1O	100	-6209	-59	52	0	-104	177	115.4	123.6	5.0	0.0	239.0	1
1P	100	-6209	81	52	0	-104	141	115.4	114.4	6.9	0.0	229.9	1
2	100	-14600	23	137	0	-10	210	271.4	61.7	5.1	0.0	333.1	1
7	100	-14830	24	139	0	-11	211	275.7	62.5	5.2	0.0	338.1	1
8	100	-14620	20	137	0	-11	208	271.7	62.2	5.1	0.0	333.9	1
1A	200	-14729	-73	134	0	-156	78	273.8	136.6	6.2	0.0	410.4	1
1B	200	-14729	11	134	0	-156	219	273.8	173.0	5.0	0.0	446.8	1
1C	200	-14729	-73	80	0	-79	78	273.8	79.3	6.2	0.0	353.1	1
1D	200	-14729	11	80	0	-79	219	273.8	115.7	3.0	0.0	389.5	1
1E	200	-8051	-73	134	0	-156	78	149.6	136.6	6.2	0.0	286.3	1
1F	200	-8051	11	134	0	-156	219	149.6	173.0	5.0	0.0	322.6	1
1G	200	-8051	-73	80	0	-79	78	149.6	79.3	6.2	0.0	229.0	1
1H	200	-8051	11	80	0	-79	219	149.6	115.7	3.0	0.0	265.3	1
1I	200	-16571	-101	162	0	-54	72	308.0	58.9	8.6	0.0	366.9	1
1J	200	-16571	39	162	0	-54	226	308.0	98.6	6.1	0.0	406.6	1
1K	200	-16571	-101	52	0	-181	72	308.0	153.7	8.6	0.0	461.8	1
1L	200	-16571	39	52	0	-181	226	308.0	193.4	3.3	0.0	501.4	1
1M	200	-6209	-101	162	0	-54	72	115.4	58.9	8.6	0.0	174.3	1
1N	200	-6209	39	162	0	-54	226	115.4	98.6	6.1	0.0	214.0	1
1O	200	-6209	-101	52	0	-181	72	115.4	153.7	8.6	0.0	269.1	1
1P	200	-6209	39	52	0	-181	226	115.4	193.4	3.3	0.0	308.8	1
2	200	-14600	-32	137	0	-147	206	271.4	163.1	5.1	0.0	434.5	1
7	200	-14830	-31	139	0	-150	207	275.7	165.8	5.2	0.0	441.4	1
8	200	-14620	-35	137	0	-148	201	271.7	162.7	5.1	0.0	434.5	1

ASTA NUM. 65 NI 878 NF 880 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-17206	-79	-121	0	-146	386	319.8	208.8	6.7	0.0	528.6	1	
1B	0	-17206	-51	-121	0	-146	288	319.8	183.5	4.5	0.0	503.3	1	
1C	0	-17206	-79	-155	0	-214	386	319.8	259.5	6.7	0.0	579.4	1	
1D	0	-17206	-51	-155	0	-214	288	319.8	234.2	5.8	0.0	554.0	1	
1E	0	-11834	-79	-121	0	-146	386	220.0	208.8	6.7	0.0	428.8	1	
1F	0	-11834	-51	-121	0	-146	288	220.0	183.5	4.5	0.0	403.5	1	
1G	0	-11834	-79	-155	0	-214	386	220.0	259.5	6.7	0.0	479.5	1	
1H	0	-11834	-51	-155	0	-214	288	220.0	234.2	5.8	0.0	454.2	1	
1I	0	-22164	-109	-87	0	-74	480	412.0	179.0	9.3	0.0	591.0	1	
1J	0	-22164	-20	-87	0	-74	194	412.0	105.4	3.3	0.0	517.4	1	
1K	0	-22164	-109	-189	0	-286	480	412.0	337.7	9.3	0.0	749.6	1	
1L	0	-22164	-20	-189	0	-286	194	412.0	264.0	7.1	0.0	676.0	1	
1M	0	-6876	-109	-87	0	-74	480	127.8	179.0	9.3	0.0	306.8	1	
1N	0	-6876	-20	-87	0	-74	194	127.8	105.4	3.3	0.0	233.2	1	
1O	0	-6876	-109	-189	0	-286	480	127.8	337.7	9.3	0.0	465.5	1	
1P	0	-6876	-20	-189	0	-286	194	127.8	264.0	7.1	0.0	391.8	1	
2	0	-18630	-86	-179	0	-232	436	346.3	285.8	7.3	0.0	632.1	1	
7	0	-18820	-87	-181	0	-234	439	349.8	287.9	7.4	0.0	637.7	1	
8	0	-18670	-85	-179	0	-232	436	347.0	286.0	7.2	0.0	633.1	1	
1A	100	-17206	-121	-121	0	-5	295	319.8	80.0	10.3	0.0	399.9	1	
1B	100	-17206	-93	-121	0	-5	207	319.8	57.3	7.9	0.0	377.1	1	
1C	100	-17206	-121	-155	0	-78	295	319.8	134.7	10.3	0.0	454.5	1	
1D	100	-17206	-93	-155	0	-78	207	319.8	111.9	7.9	0.0	431.8	1	
1E	100	-11834	-121	-121	0	-5	295	220.0	80.0	10.3	0.0	300.0	1	
1F	100	-11834	-93	-121	0	-5	207	220.0	57.3	7.9	0.0	277.3	1	
1G	100	-11834	-121	-155	0	-78	295	220.0	134.7	10.3	0.0	354.7	1	
1H	100	-11834	-93	-155	0	-78	207	220.0	111.9	7.9	0.0	331.9	1	
1I	100	-22164	-151	-87	0	71	379	412.0	150.9	12.8	0.0	562.9	1	
1J	100	-22164	-63	-87	0	71	123	412.0	85.0	5.3	0.0	497.0	1	
1K	100	-22164	-151	-189	0	-155	379	412.0	213.7	12.8	0.0	625.7	1	
1L	100	-22164	-63	-189	0	-155	123	412.0	147.8	7.1	0.0	559.8	1	
1M	100	-6876	-151	-87	0	71	379	127.8	150.9	12.8	0.0	278.7	1	
1N	100	-6876	-63	-87	0	71	123	127.8	85.0	5.3	0.0	212.8	1	

1O	100	-6876	-151	-189	0	-155	379	127.8	213.7	12.8	0.0	341.5	1
1P	100	-6876	-63	-189	0	-155	123	127.8	147.8	7.1	0.0	275.6	1
2	100	-18630	-141	-179	0	-53	323	346.3	122.6	11.9	0.0	468.9	1
7	100	-18820	-142	-181	0	-53	325	349.8	123.0	12.0	0.0	472.8	1
8	100	-18670	-140	-179	0	-53	324	347.0	123.3	11.9	0.0	470.3	1
1A	200	-17206	-163	-121	0	135	162	319.8	143.1	13.8	0.0	462.9	1
1B	200	-17206	-135	-121	0	135	84	319.8	122.9	11.5	0.0	442.7	1
1C	200	-17206	-163	-155	0	57	162	319.8	84.5	13.8	0.0	404.3	1
1D	200	-17206	-135	-155	0	57	84	319.8	64.3	11.5	0.0	384.1	1
1E	200	-11834	-163	-121	0	135	162	220.0	143.1	13.8	0.0	363.0	1
1F	200	-11834	-135	-121	0	135	84	220.0	122.9	11.5	0.0	342.9	1
1G	200	-11834	-163	-155	0	57	162	220.0	84.5	13.8	0.0	304.5	1
1H	200	-11834	-135	-155	0	57	84	220.0	64.3	11.5	0.0	284.3	1
1I	200	-22164	-194	-87	0	217	236	412.0	223.0	16.4	0.0	634.9	1
1J	200	-22164	-105	-87	0	217	10	412.0	164.8	8.9	0.0	576.8	1
1K	200	-22164	-194	-189	0	-24	236	412.0	78.9	16.4	0.0	490.8	1
1L	200	-22164	-105	-189	0	-24	10	412.0	20.7	8.9	0.0	432.7	1
1M	200	-6876	-194	-87	0	217	236	127.8	223.0	16.4	0.0	350.8	1
1N	200	-6876	-105	-87	0	217	10	127.8	164.8	8.9	0.0	292.6	1
1O	200	-6876	-194	-189	0	-24	236	127.8	78.9	16.4	0.0	206.7	1
1P	200	-6876	-105	-189	0	-24	10	127.8	20.7	8.9	0.0	148.5	1
2	200	-18630	-196	-179	0	126	155	346.3	134.3	16.6	0.0	480.6	1
7	200	-18820	-197	-181	0	128	156	349.8	136.1	16.7	0.0	485.9	1
8	200	-18670	-195	-179	0	125	156	347.0	134.0	16.5	0.0	481.0	1

ASTA NUM. 66 NI 876 NF 878 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-18085	133	163	0	151	152	336.2	151.8	11.3	0.0	487.9	1	
1B	0	-18085	174	163	0	151	77	336.2	132.6	14.7	0.0	468.8	1	
1C	0	-18085	133	125	0	64	152	336.2	87.0	11.3	0.0	423.2	1	
1D	0	-18085	174	125	0	64	77	336.2	67.8	14.7	0.0	404.0	1	
1E	0	-12995	133	163	0	151	152	241.5	151.8	11.3	0.0	393.3	1	
1F	0	-12995	174	163	0	151	77	241.5	132.6	14.7	0.0	374.1	1	
1G	0	-12995	133	125	0	64	152	241.5	87.0	11.3	0.0	328.5	1	
1H	0	-12995	174	125	0	64	77	241.5	67.8	14.7	0.0	309.4	1	
1I	0	-23378	110	200	0	241	210	434.5	234.3	9.3	0.0	668.8	1	
1J	0	-23378	197	200	0	241	18	434.5	184.9	16.7	0.0	619.4	1	
1K	0	-23378	110	89	0	-26	210	434.5	73.5	9.3	0.0	508.0	1	
1L	0	-23378	197	89	0	-26	18	434.5	24.1	16.7	0.0	458.6	1	
1M	0	-7702	110	200	0	241	210	143.2	234.3	9.3	0.0	377.4	1	
1N	0	-7702	197	200	0	241	18	143.2	184.9	16.7	0.0	328.0	1	
1O	0	-7702	110	89	0	-26	210	143.2	73.5	9.3	0.0	216.6	1	
1P	0	-7702	197	89	0	-26	18	143.2	24.1	16.7	0.0	167.2	1	
2	0	-19980	200	188	0	142	145	371.4	144.0	17.0	0.0	515.4	1	
7	0	-20170	201	190	0	144	146	374.9	145.7	17.0	0.0	520.6	1	
8	0	-20010	199	187	0	141	146	371.9	143.1	16.9	0.0	515.0	1	
1A	100	-18085	91	163	0	3	290	336.2	76.5	7.7	0.0	412.7	1	
1B	100	-18085	131	163	0	3	203	336.2	54.2	11.1	0.0	390.4	1	
1C	100	-18085	91	125	0	-77	290	336.2	131.8	7.7	0.0	468.0	1	
1D	100	-18085	131	125	0	-77	203	336.2	109.6	11.1	0.0	445.7	1	
1E	100	-12995	91	163	0	3	290	241.5	76.5	7.7	0.0	318.1	1	
1F	100	-12995	131	163	0	3	203	241.5	54.2	11.1	0.0	295.8	1	
1G	100	-12995	91	125	0	-77	290	241.5	131.8	7.7	0.0	373.4	1	
1H	100	-12995	131	125	0	-77	203	241.5	109.6	11.1	0.0	351.1	1	
1I	100	-23378	68	200	0	82	366	434.5	155.7	7.5	0.0	590.3	1	
1J	100	-23378	154	200	0	82	127	434.5	94.2	13.1	0.0	528.8	1	
1K	100	-23378	68	89	0	-156	366	434.5	211.0	5.7	0.0	645.6	1	
1L	100	-23378	154	89	0	-156	127	434.5	149.5	13.1	0.0	584.1	1	
1M	100	-7702	68	200	0	82	366	143.2	155.7	7.5	0.0	298.9	1	
1N	100	-7702	154	200	0	82	127	143.2	94.2	13.1	0.0	237.4	1	
1O	100	-7702	68	89	0	-156	366	143.2	211.0	5.7	0.0	354.2	1	
1P	100	-7702	154	89	0	-156	127	143.2	149.5	13.1	0.0	292.7	1	
2	100	-19980	145	188	0	-46	318	371.4	116.0	12.3	0.0	487.3	1	
7	100	-20170	146	190	0	-46	320	374.9	116.4	12.4	0.0	491.3	1	
8	100	-20010	144	187	0	-46	318	371.9	116.7	12.3	0.0	488.6	1	
1A	200	-18085	48	163	0	-145	386	336.2	208.0	6.1	0.0	544.2	1	
1B	200	-18085	89	163	0	-145	287	336.2	182.7	7.6	0.0	518.8	1	
1C	200	-18085	48	125	0	-217	386	336.2	261.8	4.7	0.0	598.0	1	
1D	200	-18085	89	125	0	-217	287	336.2	236.4	7.6	0.0	572.6	1	
1E	200	-12995	48	163	0	-145	386	241.5	208.0	6.1	0.0	449.6	1	
1F	200	-12995	89	163	0	-145	287	241.5	182.7	7.6	0.0	424.2	1	
1G	200	-12995	48	125	0	-217	386	241.5	261.8	4.7	0.0	503.3	1	
1H	200	-12995	89	125	0	-217	287	241.5	236.4	7.6	0.0	478.0	1	
1I	200	-23378	25	200	0	-76	479	434.5	180.3	7.5	0.0	614.9	1	
1J	200	-23378	112	200	0	-76	193	434.5	106.7	9.5	0.0	541.3	1	
1K	200	-23378	25	89	0	-286	479	434.5	337.7	3.3	0.0	772.3	1	
1L	200	-23378	112	89	0	-286	193	434.5	264.1	9.5	0.0	698.7	1	
1M	200	-7702	25	200	0	-76	479	143.2	180.3	7.5	0.0	323.5	1	
1N	200	-7702	112	200	0	-76	193	143.2	106.7	9.5	0.0	249.9	1	
1O	200	-7702	25	89	0	-286	479	143.2	337.7	3.3	0.0	480.9	1	
1P	200	-7702	112	89	0	-286	193	143.2	264.1	9.5	0.0	407.3	1	
2	200	-19980	90	188	0	-234	436	371.4	287.0	7.6	0.0	658.4	1	
7	200	-20170	91	190	0	-235	438	374.9	289.0	7.7	0.0	663.9	1	
8	200	-20010	90	187	0	-234	435	371.9	287.1	7.6	0.0	659.0	1	

ASTA NUM. 67 NI 874 NF 876 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-15928	-32	-86	0	-87	291	296.1	139.8	3.2	0.0	435.9	1	
1B	0	-15928	-18	-86	0	-87	209	296.1	118.5	3.2	0.0	414.6	1	
1C	0	-15928	-32	-147	0	-171	291	296.1	202.6	5.5	0.0	498.7	1	
1D	0	-15928	-18	-147	0	-171	209	296.1	181.3	5.5	0.0	477.4	1	
1E	0	-9652	-32	-86	0	-87	291	179.4	139.8	3.2	0.0	319.2	1	
1F	0	-9652	-18	-86	0	-87	209	179.4	118.5	3.2	0.0	297.9	1	
1G	0	-9652	-32	-147	0	-171	291	179.4	202.6	5.5	0.0	382.0	1	
1H	0	-9652	-18	-147	0	-171	209	179.4	181.3	5.5	0.0	360.7	1	
1I	0	-19012	-47	-56	0	-57	358	353.4	134.6	4.0	0.0	488.0	1	
1J	0	-19012	-3	-56	0	-57	142	353.4	79.2	2.1	0.0	432.6	1	
1K	0	-19012	-47	-176	0	-200	358	353.4	241.9	6.6	0.0	595.3	1	
1L	0	-19012	-3	-176	0	-200	142	353.4	186.5	6.6	0.0	539.9	1	
1M	0	-6568	-47	-56	0	-57	358	122.1	134.6	4.0	0.0	256.7	1	
1N	0	-6568	-3	-56	0	-57	142	122.1	79.2	2.1	0.0	201.3	1	
1O	0	-6568	-47	-176	0	-200	358	122.1	241.9	6.6	0.0	364.0	1	
1P	0	-6568	-3	-176	0	-200	142	122.1	186.5	6.6	0.0	308.6	1	
2	0	-16300	-33	-151	0	-164	321	303.0	205.7	5.7	0.0	508.7	1	
7	0	-16530	-33	-153	0	-167	324	307.2	208.3	5.7	0.0	515.6	1	
8	0	-16360	-33	-150	0	-165	322	304.1	206.1	5.6	0.0	510.2	1	
1A	100	-15928	-75	-86	0	-14	243	296.1	73.2	6.3	0.0	369.2	1	
1B	100	-15928	-60	-86	0	-14	164	296.1	52.9	5.1	0.0	348.9	1	
1C	100	-15928	-75	-147	0	-11	243	296.1	70.5	6.3	0.0	366.6	1	
1D	100	-15928	-60	-147	0	-11	164	296.1	50.2	5.5	0.0	346.3	1	
1E	100	-9652	-75	-86	0	-14	243	179.4	73.2	6.3	0.0	252.6	1	
1F	100	-9652	-60	-86	0	-14	164	179.4	52.9	5.1	0.0	232.3	1	
1G	100	-9652	-75	-147	0	-11	243	179.4	70.5	6.3	0.0	249.9	1	
1H	100	-9652	-60	-147	0	-11	164	179.4	50.2	5.5	0.0	229.6	1	
1I	100	-19012	-89	-56	0	90	305	353.4	146.2	7.6	0.0	499.6	1	
1J	100	-19012	-45	-56	0	90	102	353.4	93.9	3.9	0.0	447.3	1	
1K	100	-19012	-89	-176	0	-115	305	353.4	164.9	7.6	0.0	518.3	1	
1L	100	-19012	-45	-176	0	-115	102	353.4	112.5	6.6	0.0	465.9	1	
1M	100	-6568	-89	-56	0	90	305	122.1	146.2	7.6	0.0	268.3	1	
1N	100	-6568	-45	-56	0	90	102	122.1	93.9	3.9	0.0	216.0	1	
1O	100	-6568	-89	-176	0	-115	305	122.1	164.9	7.6	0.0	287.0	1	
1P	100	-6568	-45	-176	0	-115	102	122.1	112.5	6.6	0.0	234.6	1	
2	100	-16300	-88	-151	0	-14	261	303.0	77.4	7.4	0.0	380.4	1	
7	100	-16530	-88	-153	0	-14	263	307.2	78.1	7.5	0.0	385.4	1	
8	100	-16360	-87	-150	0	-14	262	304.1	78.3	7.4	0.0	382.4	1	
1A	200	-15928	-117	-86	0	58	153	296.1	82.8	9.9	0.0	378.9	1	
1B	200	-15928	-103	-86	0	58	77	296.1	63.5	8.7	0.0	359.6	1	
1C	200	-15928	-117	-147	0	149	153	296.1	150.9	9.9	0.0	447.0	1	
1D	200	-15928	-103	-147	0	149	77	296.1	131.6	8.7	0.0	427.6	1	
1E	200	-9652	-117	-86	0	58	153	179.4	82.8	9.9	0.0	262.2	1	
1F	200	-9652	-103	-86	0	58	77	179.4	63.5	8.7	0.0	242.9	1	
1G	200	-9652	-117	-147	0	149	153	179.4	150.9	9.9	0.0	330.3	1	
1H	200	-9652	-103	-147	0	149	77	179.4	131.6	8.7	0.0	311.0	1	
1I	200	-19012	-132	-56	0	238	211	353.4	232.2	11.2	0.0	585.6	1	
1J	200	-19012	-88	-56	0	238	19	353.4	183.0	7.4	0.0	536.4	1	
1K	200	-19012	-132	-176	0	-30	211	353.4	77.0	11.2	0.0	430.4	1	
1L	200	-19012	-88	-176	0	-30	19	353.4	27.7	7.4	0.0	381.1	1	
1M	200	-6568	-132	-56	0	238	211	122.1	232.2	11.2	0.0	354.3	1	
1N	200	-6568	-88	-56	0	238	19	122.1	183.0	7.4	0.0	305.1	1	
1O	200	-6568	-132	-176	0	-30	211	122.1	77.0	11.2	0.0	199.1	1	
1P	200	-6568	-88	-176	0	-30	19	122.1	27.7	7.4	0.0	149.8	1	
2	200	-16300	-142	-151	0	137	146	303.0	140.2	12.1	0.0	443.2	1	
7	200	-16530	-143	-153	0	139	147	307.2	142.0	12.1	0.0	449.2	1	
8	200	-16360	-142	-150	0	136	147	304.1	139.4	12.1	0.0	443.5	1	

ASTA NUM. 68 NI 872 NF 874 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-11352	62	114	0	90	201	211.0	119.0	5.3	0.0	330.0	1	
1B	0	-11352	225	114	0	90	-103	211.0	93.9	19.1	0.0	304.9	1	
1C	0	-11352	62	44	0	-27	201	211.0	72.1	5.3	0.0	283.1	1	
1D	0	-11352	225	44	0	-27	-103	211.0	47.0	19.1	0.0	258.0	1	
1E	0	-5738	62	114	0	90	201	106.7	119.0	5.3	0.0	225.7	1	
1F	0	-5738	225	114	0	90	-103	106.7	93.9	19.1	0.0	200.6	1	
1G	0	-5738	62	44	0	-27	201	106.7	72.1	5.3	0.0	178.8	1	
1H	0	-5738	225	44	0	-27	-103	106.7	47.0	19.1	0.0	153.7	1	
1I	0	-13106	46	124	0	141	180	243.6	151.9	4.7	0.0	395.5	1	
1J	0	-13106	241	124	0	141	-82	243.6	126.8	20.4	0.0	370.4	1	
1K	0	-13106	46	33	0	-78	180	243.6	105.0	3.9	0.0	348.6	1	
1L	0	-13106	241	33	0	-78	-82	243.6	79.9	20.4	0.0	323.5	1	
1M	0	-3984	46	124	0	141	180	74.0	151.9	4.7	0.0	226.0	1	
1N	0	-3984	241	124	0	141	-82	74.0	126.8	20.4	0.0	200.9	1	
1O	0	-3984	46	33	0	-78	180	74.0	105.0	3.9	0.0	179.1	1	
1P	0	-3984	241	33	0	-78	-82	74.0	79.9	20.4	0.0	154.0	1	
2	0	-10810	186	106	0	49	60	200.9	52.4	15.8	0.0	253.3	1	

7	0	-11050	182	108	0	51	72	205.4	56.8	15.4	0.0	262.2	1
8	0	-10860	188	104	0	46	58	201.9	49.1	15.9	0.0	251.0	1
1A	100	-11352	20	114	0	-38	227	211.0	86.5	4.3	0.0	297.6	1
1B	100	-11352	183	114	0	-38	116	211.0	57.9	15.5	0.0	268.9	1
1C	100	-11352	20	44	0	-57	227	211.0	101.2	1.7	0.0	312.2	1
1D	100	-11352	183	44	0	-57	116	211.0	72.6	15.5	0.0	283.6	1
1E	100	-5738	20	114	0	-38	227	106.7	86.5	4.3	0.0	193.2	1
1F	100	-5738	183	114	0	-38	116	106.7	57.9	15.5	0.0	164.6	1
1G	100	-5738	20	44	0	-57	227	106.7	101.2	1.7	0.0	207.9	1
1H	100	-5738	183	44	0	-57	116	106.7	72.6	15.5	0.0	179.2	1
1I	100	-13106	4	124	0	43	183	243.6	79.1	4.7	0.0	322.7	1
1J	100	-13106	199	124	0	43	159	243.6	72.8	16.9	0.0	316.4	1
1K	100	-13106	4	33	0	-137	183	243.6	150.1	1.2	0.0	393.7	1
1L	100	-13106	199	33	0	-137	159	243.6	143.8	16.9	0.0	387.4	1
1M	100	-3984	4	124	0	43	183	74.0	79.1	4.7	0.0	153.1	1
1N	100	-3984	199	124	0	43	159	74.0	72.8	16.9	0.0	146.8	1
1O	100	-3984	4	33	0	-137	183	74.0	150.1	1.2	0.0	224.1	1
1P	100	-3984	199	33	0	-137	159	74.0	143.8	16.9	0.0	217.9	1
2	100	-10810	132	106	0	-56	219	200.9	98.5	11.2	0.0	299.4	1
7	100	-11050	127	108	0	-57	226	205.4	100.6	10.8	0.0	306.0	1
8	100	-10860	133	104	0	-58	218	201.9	99.8	11.3	0.0	301.6	1
1A	200	-11352	-22	114	0	-165	211	211.0	177.9	4.3	0.0	388.9	1
1B	200	-11352	140	114	0	-165	292	211.0	198.8	11.9	0.0	409.8	1
1C	200	-11352	-22	44	0	-87	211	211.0	119.5	1.9	0.0	330.5	1
1D	200	-11352	140	44	0	-87	292	211.0	140.4	11.9	0.0	351.4	1
1E	200	-5738	-22	114	0	-165	211	106.7	177.9	4.3	0.0	284.5	1
1F	200	-5738	140	114	0	-165	292	106.7	198.8	11.9	0.0	305.5	1
1G	200	-5738	-22	44	0	-87	211	106.7	119.5	1.9	0.0	226.1	1
1H	200	-5738	140	44	0	-87	292	106.7	140.4	11.9	0.0	247.1	1
1I	200	-13106	-38	124	0	-56	145	243.6	79.1	4.7	0.0	322.7	1
1J	200	-13106	157	124	0	-56	358	243.6	134.0	13.3	0.0	377.6	1
1K	200	-13106	-38	33	0	-196	145	243.6	184.3	3.3	0.0	427.9	1
1L	200	-13106	157	33	0	-196	358	243.6	239.2	13.3	0.0	482.9	1
1M	200	-3984	-38	124	0	-56	145	74.0	79.1	4.7	0.0	153.1	1
1N	200	-3984	157	124	0	-56	358	74.0	134.0	13.3	0.0	208.1	1
1O	200	-3984	-38	33	0	-196	145	74.0	184.3	3.3	0.0	258.3	1
1P	200	-3984	157	33	0	-196	358	74.0	239.2	13.3	0.0	313.3	1
2	200	-10810	77	106	0	-162	323	200.9	204.3	6.5	0.0	405.3	1
7	200	-11050	72	108	0	-164	326	205.4	206.9	6.1	0.0	412.3	1
8	200	-10860	78	104	0	-162	324	201.9	204.6	6.6	0.0	406.5	1

ASTA NUM. 69 NI 869 NF 872 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5458	-296	127	0	212	573	101.4	306.2	25.1	0.0	407.7	1	
1B	0	-5458	589	127	0	212	-883	101.4	386.1	49.9	0.0	487.6	1	
1C	0	-5458	-296	-115	0	-138	573	101.4	250.8	25.1	0.0	352.2	1	
1D	0	-5458	589	-115	0	-138	-883	101.4	330.7	49.9	0.0	432.1	1	
1E	0	2994	-296	127	0	212	573	55.6	306.2	25.1	0.0	361.9	1	
1F	0	2994	589	127	0	212	-883	55.6	386.1	49.9	0.0	441.8	1	
1G	0	2994	-296	-115	0	-138	573	55.6	250.8	25.1	0.0	306.4	1	
1H	0	2994	589	-115	0	-138	-883	55.6	330.7	49.9	0.0	386.3	1	
1I	0	-4624	-249	189	0	283	496	86.0	339.6	21.1	0.0	425.6	1	
1J	0	-4624	541	189	0	283	-806	86.0	419.5	45.9	0.0	505.4	1	
1K	0	-4624	-249	-177	0	-209	496	86.0	284.2	21.1	0.0	370.1	1	
1L	0	-4624	541	-177	0	-209	-806	86.0	364.0	45.9	0.0	450.0	1	
1M	0	2160	-249	189	0	283	496	40.2	339.6	21.1	0.0	379.8	1	
1N	0	2160	541	189	0	283	-806	40.2	419.5	45.9	0.0	459.6	1	
1O	0	2160	-249	-177	0	-209	496	40.2	284.2	21.1	0.0	324.3	1	
1P	0	2160	541	-177	0	-209	-806	40.2	364.0	45.9	0.0	404.2	1	
2	0	-1308	284	3	0	47	-394	24.3	136.5	24.1	0.0	160.8	1	
7	0	-1689	294	-2	0	39	-402	31.4	132.4	25.0	0.0	163.8	1	
8	0	-1319	247	6	0	49	-321	24.5	119.6	20.9	0.0	144.1	1	
1A	100	-5458	-339	127	0	85	255	101.4	129.1	28.7	0.0	230.6	1	
1B	100	-5458	546	127	0	85	-315	101.4	144.7	46.3	0.0	246.1	1	
1C	100	-5458	-339	-115	0	-23	255	101.4	82.9	28.7	0.0	184.3	1	
1D	100	-5458	546	-115	0	-23	-315	101.4	98.4	46.3	0.0	199.9	1	
1E	100	2994	-339	127	0	85	255	55.6	129.1	28.7	0.0	184.8	1	
1F	100	2994	546	127	0	85	-315	55.6	144.7	46.3	0.0	200.3	1	
1G	100	2994	-339	-115	0	-23	255	55.6	82.9	28.7	0.0	138.5	1	
1H	100	2994	546	-115	0	-23	-315	55.6	98.4	46.3	0.0	154.1	1	
1I	100	-4624	-291	189	0	94	226	86.0	128.5	24.7	0.0	214.4	1	
1J	100	-4624	499	189	0	94	-287	86.0	144.0	42.3	0.0	230.0	1	
1K	100	-4624	-291	-177	0	-32	226	86.0	82.3	24.7	0.0	168.2	1	
1L	100	-4624	499	-177	0	-32	-287	86.0	97.8	42.3	0.0	183.8	1	
1M	100	2160	-291	189	0	94	226	40.2	128.5	24.7	0.0	168.7	1	
1N	100	2160	499	189	0	94	-287	40.2	144.0	42.3	0.0	184.2	1	
1O	100	2160	-291	-177	0	-32	226	40.2	82.3	24.7	0.0	122.4	1	
1P	100	2160	499	-177	0	-32	-287	40.2	97.8	42.3	0.0	138.0	1	
2	100	-1308	230	3	0	44	-137	24.3	68.1	19.5	0.0	92.4	1	
7	100	-1689	240	-2	0	41	-135	31.4	65.2	20.3	0.0	96.6	1	
8	100	-1319	192	6	0	43	-102	24.5	58.5	16.3	0.0	83.0	1	
1A	200	-5458	-381	127	0	-43	-105	101.4	58.9	32.3	0.0	160.3	1	
1B	200	-5458	504	127	0	-43	210	101.4	85.9	42.7	0.0	187.4	1	
1C	200	-5458	-381	-115	0	92	-105	101.4	95.9	32.3	0.0	197.3	1	
1D	200	-5458	504	-115	0	92	210	101.4	122.9	42.7	0.0	224.4	1	

1E	200	2994	-381	127	0	-43	-105	55.6	58.9	32.3	0.0	114.5	1
1F	200	2994	504	127	0	-43	210	55.6	85.9	42.7	0.0	141.6	1
1G	200	2994	-381	-115	0	92	-105	55.6	95.9	32.3	0.0	151.5	1
1H	200	2994	504	-115	0	92	210	55.6	122.9	42.7	0.0	178.6	1
1I	200	-4624	-333	189	0	-95	-86	86.0	93.5	28.2	0.0	179.5	1
1J	200	-4624	456	189	0	-95	191	86.0	120.6	38.7	0.0	206.5	1
1K	200	-4624	-333	-177	0	145	-86	86.0	130.5	28.2	0.0	216.4	1
1L	200	-4624	456	-177	0	145	191	86.0	157.5	38.7	0.0	243.5	1
1M	200	2160	-333	189	0	-95	-86	40.2	93.5	28.2	0.0	133.7	1
1N	200	2160	456	189	0	-95	191	40.2	120.6	38.7	0.0	160.7	1
1O	200	2160	-333	-177	0	145	-86	40.2	130.5	28.2	0.0	170.6	1
1P	200	2160	456	-177	0	145	191	40.2	157.5	38.7	0.0	197.7	1
2	200	-1308	175	3	0	41	65	24.3	47.3	14.8	0.0	71.6	1
7	200	-1689	185	-2	0	43	77	31.4	52.0	15.7	0.0	83.4	1
8	200	-1319	137	6	0	37	63	24.5	43.9	11.6	0.0	68.4	1

ASTA NUM. 70 NI 884 NF 600 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-5511	6	-1	0	6	-7								Tipo di acciaio non contemplato
1B	0	-5511	8	-1	0	6	-10								Tipo di acciaio non contemplato
1C	0	-5511	6	-4	0	2	-7								Tipo di acciaio non contemplato
1D	0	-5511	8	-4	0	2	-10								Tipo di acciaio non contemplato
1E	0	-2885	6	-1	0	6	-7								Tipo di acciaio non contemplato
1F	0	-2885	8	-1	0	6	-10								Tipo di acciaio non contemplato
1G	0	-2885	6	-4	0	2	-7								Tipo di acciaio non contemplato
1H	0	-2885	8	-4	0	2	-10								Tipo di acciaio non contemplato
1I	0	-5864	6	1	0	7	-5								Tipo di acciaio non contemplato
1J	0	-5864	8	1	0	7	-11								Tipo di acciaio non contemplato
1K	0	-5864	6	-6	0	0	-5								Tipo di acciaio non contemplato
1L	0	-5864	8	-6	0	0	-11								Tipo di acciaio non contemplato
1M	0	-2532	6	1	0	7	-5								Tipo di acciaio non contemplato
1N	0	-2532	8	1	0	7	-11								Tipo di acciaio non contemplato
1O	0	-2532	6	-6	0	0	-5								Tipo di acciaio non contemplato
1P	0	-2532	8	-6	0	0	-11								Tipo di acciaio non contemplato
2	0	-5201	9	-2	0	7	-10								Tipo di acciaio non contemplato
7	0	-5170	9	-2	0	6	-10								Tipo di acciaio non contemplato
8	0	-5303	9	-2	0	6	-10								Tipo di acciaio non contemplato
1A	73	-5516	1	-1	0	9	-4								Tipo di acciaio non contemplato
1B	73	-5516	3	-1	0	9	-5								Tipo di acciaio non contemplato
1C	73	-5516	1	-4	0	3	-4								Tipo di acciaio non contemplato
1D	73	-5516	3	-4	0	3	-5								Tipo di acciaio non contemplato
1E	73	-2889	1	-1	0	9	-4								Tipo di acciaio non contemplato
1F	73	-2889	3	-1	0	9	-5								Tipo di acciaio non contemplato
1G	73	-2889	1	-4	0	3	-4								Tipo di acciaio non contemplato
1H	73	-2889	3	-4	0	3	-5								Tipo di acciaio non contemplato
1I	73	-5869	1	1	0	11	-2								Tipo di acciaio non contemplato
1J	73	-5869	3	1	0	11	-7								Tipo di acciaio non contemplato
1K	73	-5869	1	-6	0	0	-2								Tipo di acciaio non contemplato
1L	73	-5869	3	-6	0	0	-7								Tipo di acciaio non contemplato
1M	73	-2536	1	1	0	11	-2								Tipo di acciaio non contemplato
1N	73	-2536	3	1	0	11	-7								Tipo di acciaio non contemplato
1O	73	-2536	1	-6	0	0	-2								Tipo di acciaio non contemplato
1P	73	-2536	3	-6	0	0	-7								Tipo di acciaio non contemplato
2	73	-5206	3	-2	0	8	-6								Tipo di acciaio non contemplato
7	73	-5176	3	-2	0	8	-6								Tipo di acciaio non contemplato
8	73	-5308	3	-2	0	8	-6								Tipo di acciaio non contemplato
1A	147	-5520	-4	-1	0	11	-6								Tipo di acciaio non contemplato
1B	147	-5520	-1	-1	0	11	-4								Tipo di acciaio non contemplato
1C	147	-5520	-4	-4	0	4	-6								Tipo di acciaio non contemplato
1D	147	-5520	-1	-4	0	4	-4								Tipo di acciaio non contemplato
1E	147	-2894	-4	-1	0	11	-6								Tipo di acciaio non contemplato
1F	147	-2894	-1	-1	0	11	-4								Tipo di acciaio non contemplato
1G	147	-2894	-4	-4	0	4	-6								Tipo di acciaio non contemplato
1H	147	-2894	-1	-4	0	4	-4								Tipo di acciaio non contemplato
1I	147	-5873	-4	1	0	15	-3								Tipo di acciaio non contemplato
1J	147	-5873	-1	1	0	15	-6								Tipo di acciaio non contemplato
1K	147	-5873	-4	-6	0	1	-3								Tipo di acciaio non contemplato
1L	147	-5873	-1	-6	0	1	-6								Tipo di acciaio non contemplato
1M	147	-2541	-4	1	0	15	-3								Tipo di acciaio non contemplato
1N	147	-2541	-1	1	0	15	-6								Tipo di acciaio non contemplato
1O	147	-2541	-4	-6	0	1	-3								Tipo di acciaio non contemplato
1P	147	-2541	-1	-6	0	1	-6								Tipo di acciaio non contemplato
2	147	-5212	-4	-2	0	10	-6								Tipo di acciaio non contemplato
7	147	-5182	-3	-2	0	10	-6								Tipo di acciaio non contemplato
8	147	-5314	-3	-2	0	10	-6								Tipo di acciaio non contemplato

ASTA NUM. 71 NI 886 NF 884 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	4482	3	-4	0	-1	0	Tipo di acciaio non contemplato
1B	0	4482	8	-4	0	-1	-3	Tipo di acciaio non contemplato
1C	0	4482	3	-11	0	-4	0	Tipo di acciaio non contemplato
1D	0	4482	8	-11	0	-4	-3	Tipo di acciaio non contemplato
1E	0	5766	3	-4	0	-1	0	Tipo di acciaio non contemplato
1F	0	5766	8	-4	0	-1	-3	Tipo di acciaio non contemplato
1G	0	5766	3	-11	0	-4	0	Tipo di acciaio non contemplato
1H	0	5766	8	-11	0	-4	-3	Tipo di acciaio non contemplato
1I	0	3412	1	1	0	0	0	Tipo di acciaio non contemplato
1J	0	3412	10	1	0	0	-3	Tipo di acciaio non contemplato
1K	0	3412	1	-16	0	-5	0	Tipo di acciaio non contemplato
1L	0	3412	10	-16	0	-5	-3	Tipo di acciaio non contemplato
1M	0	6836	1	1	0	0	0	Tipo di acciaio non contemplato
1N	0	6836	10	1	0	0	-3	Tipo di acciaio non contemplato
1O	0	6836	1	-16	0	-5	0	Tipo di acciaio non contemplato
1P	0	6836	10	-16	0	-5	-3	Tipo di acciaio non contemplato
2	0	6214	7	-9	0	-3	-2	Tipo di acciaio non contemplato
7	0	6318	7	-9	0	-3	-2	Tipo di acciaio non contemplato
8	0	6349	7	-10	0	-3	-2	Tipo di acciaio non contemplato
1A	73	4487	-1	-4	0	1	0	Tipo di acciaio non contemplato
1B	73	4487	3	-4	0	1	2	Tipo di acciaio non contemplato
1C	73	4487	-1	-11	0	5	0	Tipo di acciaio non contemplato
1D	73	4487	3	-11	0	5	2	Tipo di acciaio non contemplato
1E	73	5770	-1	-4	0	1	0	Tipo di acciaio non contemplato
1F	73	5770	3	-4	0	1	2	Tipo di acciaio non contemplato
1G	73	5770	-1	-11	0	5	0	Tipo di acciaio non contemplato
1H	73	5770	3	-11	0	5	2	Tipo di acciaio non contemplato
1I	73	3416	-4	1	0	-2	6	Tipo di acciaio non contemplato
1J	73	3416	6	1	0	-2	-4	Tipo di acciaio non contemplato
1K	73	3416	-4	-16	0	8	6	Tipo di acciaio non contemplato
1L	73	3416	6	-16	0	8	-4	Tipo di acciaio non contemplato
1M	73	6841	-4	1	0	-2	6	Tipo di acciaio non contemplato
1N	73	6841	6	1	0	-2	-4	Tipo di acciaio non contemplato
1O	73	6841	-4	-16	0	8	6	Tipo di acciaio non contemplato
1P	73	6841	6	-16	0	8	-4	Tipo di acciaio non contemplato
2	73	6220	0	-9	0	4	0	Tipo di acciaio non contemplato
7	73	6324	1	-9	0	4	1	Tipo di acciaio non contemplato
8	73	6354	1	-10	0	4	0	Tipo di acciaio non contemplato
1A	147	4491	-6	-4	0	4	-3	Tipo di acciaio non contemplato
1B	147	4491	-2	-4	0	4	3	Tipo di acciaio non contemplato
1C	147	4491	-6	-11	0	13	-3	Tipo di acciaio non contemplato
1D	147	4491	-2	-11	0	13	3	Tipo di acciaio non contemplato
1E	147	5775	-6	-4	0	4	-3	Tipo di acciaio non contemplato
1F	147	5775	-2	-4	0	4	3	Tipo di acciaio non contemplato
1G	147	5775	-6	-11	0	13	-3	Tipo di acciaio non contemplato
1H	147	5775	-2	-11	0	13	3	Tipo di acciaio non contemplato
1I	147	3421	-9	1	0	-4	7	Tipo di acciaio non contemplato
1J	147	3421	1	1	0	-4	-7	Tipo di acciaio non contemplato
1K	147	3421	-9	-16	0	21	7	Tipo di acciaio non contemplato
1L	147	3421	1	-16	0	21	-7	Tipo di acciaio non contemplato
1M	147	6845	-9	1	0	-4	7	Tipo di acciaio non contemplato
1N	147	6845	1	1	0	-4	-7	Tipo di acciaio non contemplato
1O	147	6845	-9	-16	0	21	7	Tipo di acciaio non contemplato
1P	147	6845	1	-16	0	21	-7	Tipo di acciaio non contemplato
2	147	6226	-6	-9	0	11	-1	Tipo di acciaio non contemplato
7	147	6329	-6	-9	0	11	0	Tipo di acciaio non contemplato
8	147	6360	-6	-10	0	11	0	Tipo di acciaio non contemplato

ASTA NUM. 72 NI 882 NF 886 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-5534	7	8	0	7	-1								Tipo di acciaio non contemplato
1B	0	-5534	13	8	0	7	-6								Tipo di acciaio non contemplato
1C	0	-5534	7	-1	0	0	-1								Tipo di acciaio non contemplato
1D	0	-5534	13	-1	0	0	-6								Tipo di acciaio non contemplato
1E	0	-3858	7	8	0	7	-1								Tipo di acciaio non contemplato
1F	0	-3858	13	8	0	7	-6								Tipo di acciaio non contemplato
1G	0	-3858	7	-1	0	0	-1								Tipo di acciaio non contemplato
1H	0	-3858	13	-1	0	0	-6								Tipo di acciaio non contemplato
1I	0	-6510	1	17	0	12	2								Tipo di acciaio non contemplato
1J	0	-6510	19	17	0	12	-10								Tipo di acciaio non contemplato
1K	0	-6510	1	-10	0	-5	2								Tipo di acciaio non contemplato
1L	0	-6510	19	-10	0	-5	-10								Tipo di acciaio non contemplato
1M	0	-2882	1	17	0	12	2								Tipo di acciaio non contemplato
1N	0	-2882	19	17	0	12	-10								Tipo di acciaio non contemplato
1O	0	-2882	1	-10	0	-5	2								Tipo di acciaio non contemplato
1P	0	-2882	19	-10	0	-5	-10								Tipo di acciaio non contemplato
2	0	-6001	14	6	0	5	-5								Tipo di acciaio non contemplato
7	0	-6001	13	5	0	5	-5								Tipo di acciaio non contemplato
8	0	-6038	14	5	0	5	-5								Tipo di acciaio non contemplato
1A	73	-5538	2	8	0	0	2								Tipo di acciaio non contemplato
1B	73	-5538	9	8	0	0	2								Tipo di acciaio non contemplato
1C	73	-5538	2	-1	0	1	2								Tipo di acciaio non contemplato
1D	73	-5538	9	-1	0	1	2								Tipo di acciaio non contemplato
1E	73	-3863	2	8	0	0	2								Tipo di acciaio non contemplato
1F	73	-3863	9	8	0	0	2								Tipo di acciaio non contemplato
1G	73	-3863	2	-1	0	1	2								Tipo di acciaio non contemplato

1H	73	-3863	9	-1	0	1	2	Tipo di acciaio non contemplato
1I	73	-6514	-4	17	0	0	1	Tipo di acciaio non contemplato
1J	73	-6514	14	17	0	0	3	Tipo di acciaio non contemplato
1K	73	-6514	-4	-10	0	2	1	Tipo di acciaio non contemplato
1L	73	-6514	14	-10	0	2	3	Tipo di acciaio non contemplato
1M	73	-2887	-4	17	0	0	1	Tipo di acciaio non contemplato
1N	73	-2887	14	17	0	0	3	Tipo di acciaio non contemplato
1O	73	-2887	-4	-10	0	2	1	Tipo di acciaio non contemplato
1P	73	-2887	14	-10	0	2	3	Tipo di acciaio non contemplato
2	73	-6006	8	6	0	0	3	Tipo di acciaio non contemplato
7	73	-6007	7	5	0	0	3	Tipo di acciaio non contemplato
8	73	-6044	7	5	0	1	3	Tipo di acciaio non contemplato
1A	147	-5543	-3	8	0	-5	2	Tipo di acciaio non contemplato
1B	147	-5543	4	8	0	-5	7	Tipo di acciaio non contemplato
1C	147	-5543	-3	-1	0	2	2	Tipo di acciaio non contemplato
1D	147	-5543	4	-1	0	2	7	Tipo di acciaio non contemplato
1E	147	-3867	-3	8	0	-5	2	Tipo di acciaio non contemplato
1F	147	-3867	4	8	0	-5	7	Tipo di acciaio non contemplato
1G	147	-3867	-3	-1	0	2	2	Tipo di acciaio non contemplato
1H	147	-3867	4	-1	0	2	7	Tipo di acciaio non contemplato
1I	147	-6519	-8	17	0	-12	-3	Tipo di acciaio non contemplato
1J	147	-6519	10	17	0	-12	12	Tipo di acciaio non contemplato
1K	147	-6519	-8	-10	0	9	-3	Tipo di acciaio non contemplato
1L	147	-6519	10	-10	0	9	12	Tipo di acciaio non contemplato
1M	147	-2891	-8	17	0	-12	-3	Tipo di acciaio non contemplato
1N	147	-2891	10	17	0	-12	12	Tipo di acciaio non contemplato
1O	147	-2891	-8	-10	0	9	-3	Tipo di acciaio non contemplato
1P	147	-2891	10	-10	0	9	12	Tipo di acciaio non contemplato
2	147	-6012	1	6	0	-3	6	Tipo di acciaio non contemplato
7	147	-6013	1	5	0	-3	6	Tipo di acciaio non contemplato
8	147	-6049	1	5	0	-3	6	Tipo di acciaio non contemplato

ASTA NUM. 73 NI 888 NF 882 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	3684	-1	-1	0	0	2								Tipo di acciaio non contemplato
1B	0	3684	6	-1	0	0	0								Tipo di acciaio non contemplato
1C	0	3684	-1	-12	0	-4	2								Tipo di acciaio non contemplato
1D	0	3684	6	-12	0	-4	0								Tipo di acciaio non contemplato
1E	0	5148	-1	-1	0	0	2								Tipo di acciaio non contemplato
1F	0	5148	6	-1	0	0	0								Tipo di acciaio non contemplato
1G	0	5148	-1	-12	0	-4	2								Tipo di acciaio non contemplato
1H	0	5148	6	-12	0	-4	0								Tipo di acciaio non contemplato
1I	0	2733	-7	8	0	4	4								Tipo di acciaio non contemplato
1J	0	2733	12	8	0	4	-3								Tipo di acciaio non contemplato
1K	0	2733	-7	-21	0	-7	4								Tipo di acciaio non contemplato
1L	0	2733	12	-21	0	-7	-3								Tipo di acciaio non contemplato
1M	0	6099	-7	8	0	4	4								Tipo di acciaio non contemplato
1N	0	6099	12	8	0	4	-3								Tipo di acciaio non contemplato
1O	0	6099	-7	-21	0	-7	4								Tipo di acciaio non contemplato
1P	0	6099	12	-21	0	-7	-3								Tipo di acciaio non contemplato
2	0	5765	3	-9	0	-3	0								Tipo di acciaio non contemplato
7	0	5747	3	-9	0	-2	0								Tipo di acciaio non contemplato
8	0	5760	3	-9	0	-3	0								Tipo di acciaio non contemplato
1A	73	3688	-6	-1	0	1	0								Tipo di acciaio non contemplato
1B	73	3688	1	-1	0	1	2								Tipo di acciaio non contemplato
1C	73	3688	-6	-12	0	5	0								Tipo di acciaio non contemplato
1D	73	3688	1	-12	0	5	2								Tipo di acciaio non contemplato
1E	73	5152	-6	-1	0	1	0								Tipo di acciaio non contemplato
1F	73	5152	1	-1	0	1	2								Tipo di acciaio non contemplato
1G	73	5152	-6	-12	0	5	0								Tipo di acciaio non contemplato
1H	73	5152	1	-12	0	5	2								Tipo di acciaio non contemplato
1I	73	2737	-12	8	0	-2	-3								Tipo di acciaio non contemplato
1J	73	2737	7	8	0	-2	4								Tipo di acciaio non contemplato
1K	73	2737	-12	-21	0	8	-3								Tipo di acciaio non contemplato
1L	73	2737	7	-21	0	8	4								Tipo di acciaio non contemplato
1M	73	6103	-12	8	0	-2	-3								Tipo di acciaio non contemplato
1N	73	6103	7	8	0	-2	4								Tipo di acciaio non contemplato
1O	73	6103	-12	-21	0	8	-3								Tipo di acciaio non contemplato
1P	73	6103	7	-21	0	8	4								Tipo di acciaio non contemplato
2	73	5770	-3	-9	0	4	0								Tipo di acciaio non contemplato
7	73	5752	-3	-9	0	4	0								Tipo di acciaio non contemplato
8	73	5766	-3	-9	0	4	0								Tipo di acciaio non contemplato
1A	147	3692	-10	-1	0	2	-7								Tipo di acciaio non contemplato
1B	147	3692	-4	-1	0	2	0								Tipo di acciaio non contemplato
1C	147	3692	-10	-12	0	13	-7								Tipo di acciaio non contemplato
1D	147	3692	-4	-12	0	13	0								Tipo di acciaio non contemplato
1E	147	5156	-10	-1	0	2	-7								Tipo di acciaio non contemplato
1F	147	5156	-4	-1	0	2	0								Tipo di acciaio non contemplato
1G	147	5156	-10	-12	0	13	-7								Tipo di acciaio non contemplato
1H	147	5156	-4	-12	0	13	0								Tipo di acciaio non contemplato
1I	147	2741	-17	8	0	-9	-14								Tipo di acciaio non contemplato
1J	147	2741	2	8	0	-9	7								Tipo di acciaio non contemplato
1K	147	2741	-17	-21	0	24	-14								Tipo di acciaio non contemplato
1L	147	2741	2	-21	0	24	7								Tipo di acciaio non contemplato
1M	147	6107	-17	8	0	-9	-14								Tipo di acciaio non contemplato
1N	147	6107	2	8	0	-9	7								Tipo di acciaio non contemplato

1O	147	6107	-17	-21	0	24	-14							Tipo di acciaio non contemplato
1P	147	6107	2	-21	0	24	7							Tipo di acciaio non contemplato
2	147	5776	-10	-9	0	11	-4							Tipo di acciaio non contemplato
7	147	5758	-9	-9	0	10	-4							Tipo di acciaio non contemplato
8	147	5772	-10	-9	0	11	-4							Tipo di acciaio non contemplato

ASTA NUM. 74 NI 880 NF 888 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-3104	8	13	0	11	-2								Tipo di acciaio non contemplato
1B	0	-3104	16	13	0	11	-8								Tipo di acciaio non contemplato
1C	0	-3104	8	1	0	1	-2								Tipo di acciaio non contemplato
1D	0	-3104	16	1	0	1	-8								Tipo di acciaio non contemplato
1E	0	-2048	8	13	0	11	-2								Tipo di acciaio non contemplato
1F	0	-2048	16	13	0	11	-8								Tipo di acciaio non contemplato
1G	0	-2048	8	1	0	1	-2								Tipo di acciaio non contemplato
1H	0	-2048	16	1	0	1	-8								Tipo di acciaio non contemplato
1I	0	-3647	1	24	0	20	4								Tipo di acciaio non contemplato
1J	0	-3647	23	24	0	20	-14								Tipo di acciaio non contemplato
1K	0	-3647	1	-10	0	-8	4								Tipo di acciaio non contemplato
1L	0	-3647	23	-10	0	-8	-14								Tipo di acciaio non contemplato
1M	0	-1505	1	24	0	20	4								Tipo di acciaio non contemplato
1N	0	-1505	23	24	0	20	-14								Tipo di acciaio non contemplato
1O	0	-1505	1	-10	0	-8	4								Tipo di acciaio non contemplato
1P	0	-1505	23	-10	0	-8	-14								Tipo di acciaio non contemplato
2	0	-3400	16	10	0	8	-6								Tipo di acciaio non contemplato
7	0	-3385	15	9	0	8	-6								Tipo di acciaio non contemplato
8	0	-3385	16	10	0	8	-6								Tipo di acciaio non contemplato
1A	73	-3109	3	13	0	1	2								Tipo di acciaio non contemplato
1B	73	-3109	11	13	0	1	2								Tipo di acciaio non contemplato
1C	73	-3109	3	1	0	0	2								Tipo di acciaio non contemplato
1D	73	-3109	11	1	0	0	2								Tipo di acciaio non contemplato
1E	73	-2052	3	13	0	1	2								Tipo di acciaio non contemplato
1F	73	-2052	11	13	0	1	2								Tipo di acciaio non contemplato
1G	73	-2052	3	1	0	0	2								Tipo di acciaio non contemplato
1H	73	-2052	11	1	0	0	2								Tipo di acciaio non contemplato
1I	73	-3652	-4	24	0	2	3								Tipo di acciaio non contemplato
1J	73	-3652	18	24	0	2	1								Tipo di acciaio non contemplato
1K	73	-3652	-4	-10	0	0	3								Tipo di acciaio non contemplato
1L	73	-3652	18	-10	0	0	1								Tipo di acciaio non contemplato
1M	73	-1509	-4	24	0	2	3								Tipo di acciaio non contemplato
1N	73	-1509	18	24	0	2	1								Tipo di acciaio non contemplato
1O	73	-1509	-4	-10	0	0	3								Tipo di acciaio non contemplato
1P	73	-1509	18	-10	0	0	1								Tipo di acciaio non contemplato
2	73	-3406	9	10	0	1	3								Tipo di acciaio non contemplato
7	73	-3390	9	9	0	1	3								Tipo di acciaio non contemplato
8	73	-3391	9	10	0	1	3								Tipo di acciaio non contemplato
1A	147	-3113	-2	13	0	-8	3								Tipo di acciaio non contemplato
1B	147	-3113	6	13	0	-8	8								Tipo di acciaio non contemplato
1C	147	-3113	-2	1	0	0	3								Tipo di acciaio non contemplato
1D	147	-3113	6	1	0	0	8								Tipo di acciaio non contemplato
1E	147	-2057	-2	13	0	-8	3								Tipo di acciaio non contemplato
1F	147	-2057	6	13	0	-8	8								Tipo di acciaio non contemplato
1G	147	-2057	-2	1	0	0	3								Tipo di acciaio non contemplato
1H	147	-2057	6	1	0	0	8								Tipo di acciaio non contemplato
1I	147	-3656	-9	24	0	-16	-2								Tipo di acciaio non contemplato
1J	147	-3656	14	24	0	-16	13								Tipo di acciaio non contemplato
1K	147	-3656	-9	-10	0	7	-2								Tipo di acciaio non contemplato
1L	147	-3656	14	-10	0	7	13								Tipo di acciaio non contemplato
1M	147	-1514	-9	24	0	-16	-2								Tipo di acciaio non contemplato
1N	147	-1514	14	24	0	-16	13								Tipo di acciaio non contemplato
1O	147	-1514	-9	-10	0	7	-2								Tipo di acciaio non contemplato
1P	147	-1514	14	-10	0	7	13								Tipo di acciaio non contemplato
2	147	-3411	3	10	0	-6	7								Tipo di acciaio non contemplato
7	147	-3396	3	9	0	-6	7								Tipo di acciaio non contemplato
8	147	-3397	3	10	0	-6	7								Tipo di acciaio non contemplato

ASTA NUM. 75 NI 890 NF 880 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	1626	-4	-3	0	-1	5								Tipo di acciaio non contemplato
1B	0	1626	4	-3	0	-1	1								Tipo di acciaio non contemplato
1C	0	1626	-4	-16	0	-8	5								Tipo di acciaio non contemplato
1D	0	1626	4	-16	0	-8	1								Tipo di acciaio non contemplato
1E	0	2650	-4	-3	0	-1	5								Tipo di acciaio non contemplato
1F	0	2650	4	-3	0	-1	1								Tipo di acciaio non contemplato
1G	0	2650	-4	-16	0	-8	5								Tipo di acciaio non contemplato
1H	0	2650	4	-16	0	-8	1								Tipo di acciaio non contemplato
1I	0	1214	-12	10	0	5	9								Tipo di acciaio non contemplato
1J	0	1214	12	10	0	5	-3								Tipo di acciaio non contemplato

1K	0	1214	-12	-28	0	-14	9	Tipo di acciaio non contemplato
1L	0	1214	12	-28	0	-14	-3	Tipo di acciaio non contemplato
1M	0	3062	-12	10	0	5	9	Tipo di acciaio non contemplato
1N	0	3062	12	10	0	5	-3	Tipo di acciaio non contemplato
1O	0	3062	-12	-28	0	-14	9	Tipo di acciaio non contemplato
1P	0	3062	12	-28	0	-14	-3	Tipo di acciaio non contemplato
2	0	2810	-0	-12	0	-6	4	Tipo di acciaio non contemplato
7	0	2800	0	-12	0	-6	4	Tipo di acciaio non contemplato
8	0	2802	-0	-12	0	-6	4	Tipo di acciaio non contemplato
1A	73	1631	-9	-3	0	0	0	Tipo di acciaio non contemplato
1B	73	1631	-1	-3	0	0	2	Tipo di acciaio non contemplato
1C	73	1631	-9	-16	0	4	0	Tipo di acciaio non contemplato
1D	73	1631	-1	-16	0	4	2	Tipo di acciaio non contemplato
1E	73	2654	-9	-3	0	0	0	Tipo di acciaio non contemplato
1F	73	2654	-1	-3	0	0	2	Tipo di acciaio non contemplato
1G	73	2654	-9	-16	0	4	0	Tipo di acciaio non contemplato
1H	73	2654	-1	-16	0	4	2	Tipo di acciaio non contemplato
1I	73	1218	-17	10	0	-2	-2	Tipo di acciaio non contemplato
1J	73	1218	7	10	0	-2	4	Tipo di acciaio non contemplato
1K	73	1218	-17	-28	0	7	-2	Tipo di acciaio non contemplato
1L	73	1218	7	-28	0	7	4	Tipo di acciaio non contemplato
1M	73	3067	-17	10	0	-2	-2	Tipo di acciaio non contemplato
1N	73	3067	7	10	0	-2	4	Tipo di acciaio non contemplato
1O	73	3067	-17	-28	0	7	-2	Tipo di acciaio non contemplato
1P	73	3067	7	-28	0	7	4	Tipo di acciaio non contemplato
2	73	2816	-6	-12	0	3	2	Tipo di acciaio non contemplato
7	73	2806	-6	-12	0	3	2	Tipo di acciaio non contemplato
8	73	2808	-6	-12	0	3	2	Tipo di acciaio non contemplato
1A	147	1635	-13	-3	0	3	-8	Tipo di acciaio non contemplato
1B	147	1635	-5	-3	0	3	0	Tipo di acciaio non contemplato
1C	147	1635	-13	-16	0	15	-8	Tipo di acciaio non contemplato
1D	147	1635	-5	-16	0	15	0	Tipo di acciaio non contemplato
1E	147	2659	-13	-3	0	3	-8	Tipo di acciaio non contemplato
1F	147	2659	-5	-3	0	3	0	Tipo di acciaio non contemplato
1G	147	2659	-13	-16	0	15	-8	Tipo di acciaio non contemplato
1H	147	2659	-5	-16	0	15	0	Tipo di acciaio non contemplato
1I	147	1223	-21	10	0	-10	-15	Tipo di acciaio non contemplato
1J	147	1223	2	10	0	-10	8	Tipo di acciaio non contemplato
1K	147	1223	-21	-28	0	28	-15	Tipo di acciaio non contemplato
1L	147	1223	2	-28	0	28	8	Tipo di acciaio non contemplato
1M	147	3071	-21	10	0	-10	-15	Tipo di acciaio non contemplato
1N	147	3071	2	10	0	-10	8	Tipo di acciaio non contemplato
1O	147	3071	-21	-28	0	28	-15	Tipo di acciaio non contemplato
1P	147	3071	2	-28	0	28	8	Tipo di acciaio non contemplato
2	147	2821	-12	-12	0	12	-5	Tipo di acciaio non contemplato
7	147	2811	-12	-12	0	12	-5	Tipo di acciaio non contemplato
8	147	2813	-12	-12	0	12	-5	Tipo di acciaio non contemplato

ASTA NUM. 76 NI 878 NF 890 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1025	5	11	0	10	0							Tipo di acciaio non contemplato
1B	0	-1025	13	11	0	10	-6							Tipo di acciaio non contemplato
1C	0	-1025	5	-2	0	-1	0							Tipo di acciaio non contemplato
1D	0	-1025	13	-2	0	-1	-6							Tipo di acciaio non contemplato
1E	0	-350	5	11	0	10	0							Tipo di acciaio non contemplato
1F	0	-350	13	11	0	10	-6							Tipo di acciaio non contemplato
1G	0	-350	5	-2	0	-1	0							Tipo di acciaio non contemplato
1H	0	-350	13	-2	0	-1	-6							Tipo di acciaio non contemplato
1I	0	-1048	-4	24	0	22	9							Tipo di acciaio non contemplato
1J	0	-1048	22	24	0	22	-14							Tipo di acciaio non contemplato
1K	0	-1048	-4	-15	0	-13	9							Tipo di acciaio non contemplato
1L	0	-1048	22	-15	0	-13	-14							Tipo di acciaio non contemplato
1M	0	-327	-4	24	0	22	9							Tipo di acciaio non contemplato
1N	0	-327	22	24	0	22	-14							Tipo di acciaio non contemplato
1O	0	-327	-4	-15	0	-13	9							Tipo di acciaio non contemplato
1P	0	-327	22	-15	0	-13	-14							Tipo di acciaio non contemplato
2	0	-914	12	6	0	6	-4							Tipo di acciaio non contemplato
7	0	-907	12	5	0	5	-3							Tipo di acciaio non contemplato
8	0	-909	12	6	0	6	-4							Tipo di acciaio non contemplato
1A	73	-1030	0	11	0	2	3							Tipo di acciaio non contemplato
1B	73	-1030	8	11	0	2	2							Tipo di acciaio non contemplato
1C	73	-1030	0	-2	0	0	3							Tipo di acciaio non contemplato
1D	73	-1030	8	-2	0	0	2							Tipo di acciaio non contemplato
1E	73	-354	0	11	0	2	3							Tipo di acciaio non contemplato
1F	73	-354	8	11	0	2	2							Tipo di acciaio non contemplato
1G	73	-354	0	-2	0	0	3							Tipo di acciaio non contemplato
1H	73	-354	8	-2	0	0	2							Tipo di acciaio non contemplato
1I	73	-1052	-9	24	0	4	4							Tipo di acciaio non contemplato
1J	73	-1052	17	24	0	4	0							Tipo di acciaio non contemplato
1K	73	-1052	-9	-15	0	-2	4							Tipo di acciaio non contemplato
1L	73	-1052	17	-15	0	-2	0							Tipo di acciaio non contemplato
1M	73	-331	-9	24	0	4	4							Tipo di acciaio non contemplato
1N	73	-331	17	24	0	4	0							Tipo di acciaio non contemplato
1O	73	-331	-9	-15	0	-2	4							Tipo di acciaio non contemplato
1P	73	-331	17	-15	0	-2	0							Tipo di acciaio non contemplato
2	73	-920	6	6	0	1	3							Tipo di acciaio non contemplato

7	73	-913	5	5	0	1	3	Tipo di acciaio non contemplato
8	73	-914	6	6	0	1	3	Tipo di acciaio non contemplato
1A	147	-1034	-5	11	0	-6	1	Tipo di acciaio non contemplato
1B	147	-1034	4	11	0	-6	6	Tipo di acciaio non contemplato
1C	147	-1034	-5	-2	0	2	1	Tipo di acciaio non contemplato
1D	147	-1034	4	-2	0	2	6	Tipo di acciaio non contemplato
1E	147	-359	-5	11	0	-6	1	Tipo di acciaio non contemplato
1F	147	-359	4	11	0	-6	6	Tipo di acciaio non contemplato
1G	147	-359	-5	-2	0	2	1	Tipo di acciaio non contemplato
1H	147	-359	4	-2	0	2	6	Tipo di acciaio non contemplato
1I	147	-1057	-13	24	0	-14	-4	Tipo di acciaio non contemplato
1J	147	-1057	12	24	0	-14	11	Tipo di acciaio non contemplato
1K	147	-1057	-13	-15	0	9	-4	Tipo di acciaio non contemplato
1L	147	-1057	12	-15	0	9	11	Tipo di acciaio non contemplato
1M	147	-336	-13	24	0	-14	-4	Tipo di acciaio non contemplato
1N	147	-336	12	24	0	-14	11	Tipo di acciaio non contemplato
1O	147	-336	-13	-15	0	9	-4	Tipo di acciaio non contemplato
1P	147	-336	12	-15	0	9	11	Tipo di acciaio non contemplato
2	147	-926	-0	6	0	-3	5	Tipo di acciaio non contemplato
7	147	-919	-1	5	0	-3	5	Tipo di acciaio non contemplato
8	147	-920	-0	6	0	-3	5	Tipo di acciaio non contemplato

ASTA NUM. 77 NI 892 NF 878 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	470	-2	3	0	3	5								Tipo di acciaio non contemplato
1B	0	470	6	3	0	3	0								Tipo di acciaio non contemplato
1C	0	470	-2	-9	0	-4	5								Tipo di acciaio non contemplato
1D	0	470	6	-9	0	-4	0								Tipo di acciaio non contemplato
1E	0	1158	-2	3	0	3	5								Tipo di acciaio non contemplato
1F	0	1158	6	3	0	3	0								Tipo di acciaio non contemplato
1G	0	1158	-2	-9	0	-4	5								Tipo di acciaio non contemplato
1H	0	1158	6	-9	0	-4	0								Tipo di acciaio non contemplato
1I	0	412	-11	16	0	10	10								Tipo di acciaio non contemplato
1J	0	412	14	16	0	10	-5								Tipo di acciaio non contemplato
1K	0	412	-11	-22	0	-12	10								Tipo di acciaio non contemplato
1L	0	412	14	-22	0	-12	-5								Tipo di acciaio non contemplato
1M	0	1216	-11	16	0	10	10								Tipo di acciaio non contemplato
1N	0	1216	14	16	0	10	-5								Tipo di acciaio non contemplato
1O	0	1216	-11	-22	0	-12	10								Tipo di acciaio non contemplato
1P	0	1216	14	-22	0	-12	-5								Tipo di acciaio non contemplato
2	0	1078	2	-5	0	-1	3								Tipo di acciaio non contemplato
7	0	1080	2	-4	0	0	3								Tipo di acciaio non contemplato
8	0	1071	2	-5	0	-1	3								Tipo di acciaio non contemplato
1A	73	474	-7	3	0	0	1								Tipo di acciaio non contemplato
1B	73	474	1	3	0	0	3								Tipo di acciaio non contemplato
1C	73	474	-7	-9	0	3	1								Tipo di acciaio non contemplato
1D	73	474	1	-9	0	3	3								Tipo di acciaio non contemplato
1E	73	1162	-7	3	0	0	1								Tipo di acciaio non contemplato
1F	73	1162	1	3	0	0	3								Tipo di acciaio non contemplato
1G	73	1162	-7	-9	0	3	1								Tipo di acciaio non contemplato
1H	73	1162	1	-9	0	3	3								Tipo di acciaio non contemplato
1I	73	416	-16	16	0	-2	0								Tipo di acciaio non contemplato
1J	73	416	10	16	0	-2	4								Tipo di acciaio non contemplato
1K	73	416	-16	-22	0	5	0								Tipo di acciaio non contemplato
1L	73	416	10	-22	0	5	4								Tipo di acciaio non contemplato
1M	73	1220	-16	16	0	-2	0								Tipo di acciaio non contemplato
1N	73	1220	10	16	0	-2	4								Tipo di acciaio non contemplato
1O	73	1220	-16	-22	0	5	0								Tipo di acciaio non contemplato
1P	73	1220	10	-22	0	5	4								Tipo di acciaio non contemplato
2	73	1084	-4	-5	0	2	2								Tipo di acciaio non contemplato
7	73	1086	-4	-4	0	2	2								Tipo di acciaio non contemplato
8	73	1076	-4	-5	0	2	2								Tipo di acciaio non contemplato
1A	147	479	-12	3	0	-2	-6								Tipo di acciaio non contemplato
1B	147	479	-4	3	0	-2	2								Tipo di acciaio non contemplato
1C	147	479	-12	-9	0	9	-6								Tipo di acciaio non contemplato
1D	147	479	-4	-9	0	9	2								Tipo di acciaio non contemplato
1E	147	1167	-12	3	0	-2	-6								Tipo di acciaio non contemplato
1F	147	1167	-4	3	0	-2	2								Tipo di acciaio non contemplato
1G	147	1167	-12	-9	0	9	-6								Tipo di acciaio non contemplato
1H	147	1167	-4	-9	0	9	2								Tipo di acciaio non contemplato
1I	147	421	-20	16	0	-13	-13								Tipo di acciaio non contemplato
1J	147	421	5	16	0	-13	9								Tipo di acciaio non contemplato
1K	147	421	-20	-22	0	21	-13								Tipo di acciaio non contemplato
1L	147	421	5	-22	0	21	9								Tipo di acciaio non contemplato
1M	147	1225	-20	16	0	-13	-13								Tipo di acciaio non contemplato
1N	147	1225	5	16	0	-13	9								Tipo di acciaio non contemplato
1O	147	1225	-20	-22	0	21	-13								Tipo di acciaio non contemplato
1P	147	1225	5	-22	0	21	9								Tipo di acciaio non contemplato
2	147	1090	-10	-5	0	5	-3								Tipo di acciaio non contemplato
7	147	1092	-10	-4	0	5	-3								Tipo di acciaio non contemplato
8	147	1082	-10	-5	0	5	-3								Tipo di acciaio non contemplato

ASTA NUM. 78 NI 876 NF 892 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	777	5	12	0	12	1								Tipo di acciaio non contemplato
1B	0	777	13	12	0	12	-6								Tipo di acciaio non contemplato
1C	0	777	5	-0	0	0	1								Tipo di acciaio non contemplato
1D	0	777	13	-0	0	0	-6								Tipo di acciaio non contemplato
1E	0	1593	5	12	0	12	1								Tipo di acciaio non contemplato
1F	0	1593	13	12	0	12	-6								Tipo di acciaio non contemplato
1G	0	1593	5	-0	0	0	1								Tipo di acciaio non contemplato
1H	0	1593	13	-0	0	0	-6								Tipo di acciaio non contemplato
1I	0	504	-3	24	0	23	9								Tipo di acciaio non contemplato
1J	0	504	20	24	0	23	-14								Tipo di acciaio non contemplato
1K	0	504	-3	-12	0	-12	9								Tipo di acciaio non contemplato
1L	0	504	20	-12	0	-12	-14								Tipo di acciaio non contemplato
1M	0	1866	-3	24	0	23	9								Tipo di acciaio non contemplato
1N	0	1866	20	24	0	23	-14								Tipo di acciaio non contemplato
1O	0	1866	-3	-12	0	-12	9								Tipo di acciaio non contemplato
1P	0	1866	20	-12	0	-12	-14								Tipo di acciaio non contemplato
2	0	1511	12	8	0	7	-3								Tipo di acciaio non contemplato
7	0	1513	11	8	0	7	-3								Tipo di acciaio non contemplato
8	0	1521	12	8	0	7	-3								Tipo di acciaio non contemplato
1A	73	772	0	12	0	3	3								Tipo di acciaio non contemplato
1B	73	772	8	12	0	3	1								Tipo di acciaio non contemplato
1C	73	772	0	-0	0	0	3								Tipo di acciaio non contemplato
1D	73	772	8	-0	0	0	1								Tipo di acciaio non contemplato
1E	73	1589	0	12	0	3	3								Tipo di acciaio non contemplato
1F	73	1589	8	12	0	3	1								Tipo di acciaio non contemplato
1G	73	1589	0	-0	0	0	3								Tipo di acciaio non contemplato
1H	73	1589	8	-0	0	0	1								Tipo di acciaio non contemplato
1I	73	500	-8	24	0	6	5								Tipo di acciaio non contemplato
1J	73	500	16	24	0	6	0								Tipo di acciaio non contemplato
1K	73	500	-8	-12	0	-3	5								Tipo di acciaio non contemplato
1L	73	500	16	-12	0	-3	0								Tipo di acciaio non contemplato
1M	73	1861	-8	24	0	6	5								Tipo di acciaio non contemplato
1N	73	1861	16	24	0	6	0								Tipo di acciaio non contemplato
1O	73	1861	-8	-12	0	-3	5								Tipo di acciaio non contemplato
1P	73	1861	16	-12	0	-3	0								Tipo di acciaio non contemplato
2	73	1506	5	8	0	1	3								Tipo di acciaio non contemplato
7	73	1508	5	8	0	1	3								Tipo di acciaio non contemplato
8	73	1516	5	8	0	2	3								Tipo di acciaio non contemplato
1A	147	768	-5	12	0	-6	1								Tipo di acciaio non contemplato
1B	147	768	3	12	0	-6	5								Tipo di acciaio non contemplato
1C	147	768	-5	-0	0	0	1								Tipo di acciaio non contemplato
1D	147	768	3	-0	0	0	5								Tipo di acciaio non contemplato
1E	147	1584	-5	12	0	-6	1								Tipo di acciaio non contemplato
1F	147	1584	3	12	0	-6	5								Tipo di acciaio non contemplato
1G	147	1584	-5	-0	0	0	1								Tipo di acciaio non contemplato
1H	147	1584	3	-0	0	0	5								Tipo di acciaio non contemplato
1I	147	495	-13	24	0	-12	-3								Tipo di acciaio non contemplato
1J	147	495	11	24	0	-12	9								Tipo di acciaio non contemplato
1K	147	495	-13	-12	0	6	-3								Tipo di acciaio non contemplato
1L	147	495	11	-12	0	6	9								Tipo di acciaio non contemplato
1M	147	1857	-13	24	0	-12	-3								Tipo di acciaio non contemplato
1N	147	1857	11	24	0	-12	9								Tipo di acciaio non contemplato
1O	147	1857	-13	-12	0	6	-3								Tipo di acciaio non contemplato
1P	147	1857	11	-12	0	6	9								Tipo di acciaio non contemplato
2	147	1500	-1	8	0	-4	4								Tipo di acciaio non contemplato
7	147	1502	-1	8	0	-4	4								Tipo di acciaio non contemplato
8	147	1510	-1	8	0	-4	4								Tipo di acciaio non contemplato

ASTA NUM. 79 NI 894 NF 876 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2177	-5	-0	0	0	7								Tipo di acciaio non contemplato
1B	0	-2177	3	-0	0	0	2								Tipo di acciaio non contemplato
1C	0	-2177	-5	-12	0	-7	7								Tipo di acciaio non contemplato
1D	0	-2177	3	-12	0	-7	2								Tipo di acciaio non contemplato
1E	0	-1205	-5	-0	0	0	7								Tipo di acciaio non contemplato
1F	0	-1205	3	-0	0	0	2								Tipo di acciaio non contemplato
1G	0	-1205	-5	-12	0	-7	7								Tipo di acciaio non contemplato
1H	0	-1205	3	-12	0	-7	2								Tipo di acciaio non contemplato
1I	0	-2610	-13	12	0	9	12								Tipo di acciaio non contemplato
1J	0	-2610	11	12	0	9	-4								Tipo di acciaio non contemplato
1K	0	-2610	-13	-24	0	-15	12								Tipo di acciaio non contemplato
1L	0	-2610	11	-24	0	-15	-4								Tipo di acciaio non contemplato
1M	0	-772	-13	12	0	9	12								Tipo di acciaio non contemplato
1N	0	-772	11	12	0	9	-4								Tipo di acciaio non contemplato
1O	0	-772	-13	-24	0	-15	12								Tipo di acciaio non contemplato
1P	0	-772	11	-24	0	-15	-4								Tipo di acciaio non contemplato
2	0	-2174	-1	-8	0	-4	6								Tipo di acciaio non contemplato
7	0	-2172	-1	-8	0	-4	6								Tipo di acciaio non contemplato
8	0	-2182	-1	-8	0	-4	6								Tipo di acciaio non contemplato

1A	73	-2173	-10	-0	0	0	2	Tipo di acciaio non contemplato
1B	73	-2173	-1	-0	0	0	2	Tipo di acciaio non contemplato
1C	73	-2173	-10	-12	0	2	2	Tipo di acciaio non contemplato
1D	73	-2173	-1	-12	0	2	2	Tipo di acciaio non contemplato
1E	73	-1200	-10	-0	0	0	2	Tipo di acciaio non contemplato
1F	73	-1200	-1	-0	0	0	2	Tipo di acciaio non contemplato
1G	73	-1200	-10	-12	0	2	2	Tipo di acciaio non contemplato
1H	73	-1200	-1	-12	0	2	2	Tipo di acciaio non contemplato
1I	73	-2606	-18	12	0	0	1	Tipo di acciaio non contemplato
1J	73	-2606	6	12	0	0	3	Tipo di acciaio non contemplato
1K	73	-2606	-18	-24	0	2	1	Tipo di acciaio non contemplato
1L	73	-2606	6	-24	0	2	3	Tipo di acciaio non contemplato
1M	73	-767	-18	12	0	0	1	Tipo di acciaio non contemplato
1N	73	-767	6	12	0	0	3	Tipo di acciaio non contemplato
1O	73	-767	-18	-24	0	2	1	Tipo di acciaio non contemplato
1P	73	-767	6	-24	0	2	3	Tipo di acciaio non contemplato
2	73	-2168	-7	-8	0	2	3	Tipo di acciaio non contemplato
7	73	-2166	-7	-8	0	2	3	Tipo di acciaio non contemplato
8	73	-2176	-7	-8	0	2	3	Tipo di acciaio non contemplato
1A	147	-2168	-14	-0	0	0	-7	Tipo di acciaio non contemplato
1B	147	-2168	-6	-0	0	0	0	Tipo di acciaio non contemplato
1C	147	-2168	-14	-12	0	11	-7	Tipo di acciaio non contemplato
1D	147	-2168	-6	-12	0	11	0	Tipo di acciaio non contemplato
1E	147	-1196	-14	-0	0	0	-7	Tipo di acciaio non contemplato
1F	147	-1196	-6	-0	0	0	0	Tipo di acciaio non contemplato
1G	147	-1196	-14	-12	0	11	-7	Tipo di acciaio non contemplato
1H	147	-1196	-6	-12	0	11	0	Tipo di acciaio non contemplato
1I	147	-2602	-22	12	0	-9	-13	Tipo di acciaio non contemplato
1J	147	-2602	2	12	0	-9	6	Tipo di acciaio non contemplato
1K	147	-2602	-22	-24	0	20	-13	Tipo di acciaio non contemplato
1L	147	-2602	2	-24	0	20	6	Tipo di acciaio non contemplato
1M	147	-762	-22	12	0	-9	-13	Tipo di acciaio non contemplato
1N	147	-762	2	12	0	-9	6	Tipo di acciaio non contemplato
1O	147	-762	-22	-24	0	20	-13	Tipo di acciaio non contemplato
1P	147	-762	2	-24	0	20	6	Tipo di acciaio non contemplato
2	147	-2162	-14	-8	0	8	-5	Tipo di acciaio non contemplato
7	147	-2160	-13	-8	0	7	-5	Tipo di acciaio non contemplato
8	147	-2171	-14	-8	0	8	-5	Tipo di acciaio non contemplato

ASTA NUM. 80 NI 874 NF 894 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	2491	2	10	0	11	3							Tipo di acciaio non contemplato
1B	0	2491	10	10	0	11	-5							Tipo di acciaio non contemplato
1C	0	2491	2	-2	0	-2	3							Tipo di acciaio non contemplato
1D	0	2491	10	-2	0	-2	-5							Tipo di acciaio non contemplato
1E	0	3825	2	10	0	11	3							Tipo di acciaio non contemplato
1F	0	3825	10	10	0	11	-5							Tipo di acciaio non contemplato
1G	0	3825	2	-2	0	-2	3							Tipo di acciaio non contemplato
1H	0	3825	10	-2	0	-2	-5							Tipo di acciaio non contemplato
1I	0	1764	-4	20	0	22	10							Tipo di acciaio non contemplato
1J	0	1764	16	20	0	22	-11							Tipo di acciaio non contemplato
1K	0	1764	-4	-13	0	-13	10							Tipo di acciaio non contemplato
1L	0	1764	16	-13	0	-13	-11							Tipo di acciaio non contemplato
1M	0	4552	-4	20	0	22	10							Tipo di acciaio non contemplato
1N	0	4552	16	20	0	22	-11							Tipo di acciaio non contemplato
1O	0	4552	-4	-13	0	-13	10							Tipo di acciaio non contemplato
1P	0	4552	16	-13	0	-13	-11							Tipo di acciaio non contemplato
2	0	4079	8	5	0	6	-1							Tipo di acciaio non contemplato
7	0	4072	7	5	0	5	0							Tipo di acciaio non contemplato
8	0	4090	8	5	0	6	-1							Tipo di acciaio non contemplato
1A	73	2486	-3	10	0	3	3							Tipo di acciaio non contemplato
1B	73	2486	5	10	0	3	0							Tipo di acciaio non contemplato
1C	73	2486	-3	-2	0	0	3							Tipo di acciaio non contemplato
1D	73	2486	5	-2	0	0	0							Tipo di acciaio non contemplato
1E	73	3821	-3	10	0	3	3							Tipo di acciaio non contemplato
1F	73	3821	5	10	0	3	0							Tipo di acciaio non contemplato
1G	73	3821	-3	-2	0	0	3							Tipo di acciaio non contemplato
1H	73	3821	5	-2	0	0	0							Tipo di acciaio non contemplato
1I	73	1759	-9	20	0	7	5							Tipo di acciaio non contemplato
1J	73	1759	11	20	0	7	-2							Tipo di acciaio non contemplato
1K	73	1759	-9	-13	0	-4	5							Tipo di acciaio non contemplato
1L	73	1759	11	-13	0	-4	-2							Tipo di acciaio non contemplato
1M	73	4548	-9	20	0	7	5							Tipo di acciaio non contemplato
1N	73	4548	11	20	0	7	-2							Tipo di acciaio non contemplato
1O	73	4548	-9	-13	0	-4	5							Tipo di acciaio non contemplato
1P	73	4548	11	-13	0	-4	-2							Tipo di acciaio non contemplato
2	73	4073	2	5	0	2	2							Tipo di acciaio non contemplato
7	73	4066	1	5	0	2	2							Tipo di acciaio non contemplato
8	73	4084	2	5	0	2	2							Tipo di acciaio non contemplato
1A	147	2482	-7	10	0	-4	0							Tipo di acciaio non contemplato
1B	147	2482	-0	10	0	-4	2							Tipo di acciaio non contemplato
1C	147	2482	-7	-2	0	1	0							Tipo di acciaio non contemplato
1D	147	2482	-0	-2	0	1	2							Tipo di acciaio non contemplato
1E	147	3816	-7	10	0	-4	0							Tipo di acciaio non contemplato
1F	147	3816	-0	10	0	-4	2							Tipo di acciaio non contemplato
1G	147	3816	-7	-2	0	1	0							Tipo di acciaio non contemplato

1H	147	3816	-0	-2	0	1	2							Tipo di acciaio non contemplato
1I	147	1755	-13	20	0	-8	-3							Tipo di acciaio non contemplato
1J	147	1755	6	20	0	-8	5							Tipo di acciaio non contemplato
1K	147	1755	-13	-13	0	5	-3							Tipo di acciaio non contemplato
1L	147	1755	6	-13	0	5	5							Tipo di acciaio non contemplato
1M	147	4543	-13	20	0	-8	-3							Tipo di acciaio non contemplato
1N	147	4543	6	20	0	-8	5							Tipo di acciaio non contemplato
1O	147	4543	-13	-13	0	5	-3							Tipo di acciaio non contemplato
1P	147	4543	6	-13	0	5	5							Tipo di acciaio non contemplato
2	147	4067	-5	5	0	-2	1							Tipo di acciaio non contemplato
7	147	4061	-5	5	0	-2	0							Tipo di acciaio non contemplato
8	147	4078	-5	5	0	-2	1							Tipo di acciaio non contemplato

ASTA NUM. 81 NI 896 NF 874 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-3681	-2	5	0	4	6								Tipo di acciaio non contemplato
1B	0	-3681	5	5	0	4	0								Tipo di acciaio non contemplato
1C	0	-3681	-2	-5	0	-4	6								Tipo di acciaio non contemplato
1D	0	-3681	5	-5	0	-4	0								Tipo di acciaio non contemplato
1E	0	-2477	-2	5	0	4	6								Tipo di acciaio non contemplato
1F	0	-2477	5	5	0	4	0								Tipo di acciaio non contemplato
1G	0	-2477	-2	-5	0	-4	6								Tipo di acciaio non contemplato
1H	0	-2477	5	-5	0	-4	0								Tipo di acciaio non contemplato
1I	0	-4456	-8	14	0	11	11								Tipo di acciaio non contemplato
1J	0	-4456	11	14	0	11	-4								Tipo di acciaio non contemplato
1K	0	-4456	-8	-13	0	-11	11								Tipo di acciaio non contemplato
1L	0	-4456	11	-13	0	-11	-4								Tipo di acciaio non contemplato
1M	0	-1702	-8	14	0	11	11								Tipo di acciaio non contemplato
1N	0	-1702	11	14	0	11	-4								Tipo di acciaio non contemplato
1O	0	-1702	-8	-13	0	-11	11								Tipo di acciaio non contemplato
1P	0	-1702	11	-13	0	-11	-4								Tipo di acciaio non contemplato
2	0	-3980	2	0	0	0	4								Tipo di acciaio non contemplato
7	0	-3974	2	1	0	0	4								Tipo di acciaio non contemplato
8	0	-3989	2	0	0	0	4								Tipo di acciaio non contemplato
1A	73	-3676	-7	5	0	0	3								Tipo di acciaio non contemplato
1B	73	-3676	0	5	0	0	3								Tipo di acciaio non contemplato
1C	73	-3676	-7	-5	0	0	3								Tipo di acciaio non contemplato
1D	73	-3676	0	-5	0	0	3								Tipo di acciaio non contemplato
1E	73	-2473	-7	5	0	0	3								Tipo di acciaio non contemplato
1F	73	-2473	0	5	0	0	3								Tipo di acciaio non contemplato
1G	73	-2473	-7	-5	0	0	3								Tipo di acciaio non contemplato
1H	73	-2473	0	-5	0	0	3								Tipo di acciaio non contemplato
1I	73	-4452	-12	14	0	0	3								Tipo di acciaio non contemplato
1J	73	-4452	6	14	0	0	2								Tipo di acciaio non contemplato
1K	73	-4452	-12	-13	0	-2	3								Tipo di acciaio non contemplato
1L	73	-4452	6	-13	0	-2	2								Tipo di acciaio non contemplato
1M	73	-1697	-12	14	0	0	3								Tipo di acciaio non contemplato
1N	73	-1697	6	14	0	0	2								Tipo di acciaio non contemplato
1O	73	-1697	-12	-13	0	-2	3								Tipo di acciaio non contemplato
1P	73	-1697	6	-13	0	-2	2								Tipo di acciaio non contemplato
2	73	-3974	-4	0	0	0	4								Tipo di acciaio non contemplato
7	73	-3968	-4	1	0	0	4								Tipo di acciaio non contemplato
8	73	-3984	-4	0	0	0	4								Tipo di acciaio non contemplato
1A	147	-3672	-11	5	0	-5	-4								Tipo di acciaio non contemplato
1B	147	-3672	-5	5	0	-5	1								Tipo di acciaio non contemplato
1C	147	-3672	-11	-5	0	3	-4								Tipo di acciaio non contemplato
1D	147	-3672	-5	-5	0	3	1								Tipo di acciaio non contemplato
1E	147	-2468	-11	5	0	-5	-4								Tipo di acciaio non contemplato
1F	147	-2468	-5	5	0	-5	1								Tipo di acciaio non contemplato
1G	147	-2468	-11	-5	0	3	-4								Tipo di acciaio non contemplato
1H	147	-2468	-5	-5	0	3	1								Tipo di acciaio non contemplato
1I	147	-4447	-17	14	0	-10	-8								Tipo di acciaio non contemplato
1J	147	-4447	1	14	0	-10	5								Tipo di acciaio non contemplato
1K	147	-4447	-17	-13	0	8	-8								Tipo di acciaio non contemplato
1L	147	-4447	1	-13	0	8	5								Tipo di acciaio non contemplato
1M	147	-1693	-17	14	0	-10	-8								Tipo di acciaio non contemplato
1N	147	-1693	1	14	0	-10	5								Tipo di acciaio non contemplato
1O	147	-1693	-17	-13	0	8	-8								Tipo di acciaio non contemplato
1P	147	-1693	1	-13	0	8	5								Tipo di acciaio non contemplato
2	147	-3969	-10	0	0	0	-2								Tipo di acciaio non contemplato
7	147	-3962	-10	1	0	-1	-2								Tipo di acciaio non contemplato
8	147	-3978	-10	0	0	0	-2								Tipo di acciaio non contemplato

ASTA NUM. 82 NI 872 NF 896 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	3809	1	6	0	8	4								Tipo di acciaio non contemplato
1B	0	3809	6	6	0	8	-2								Tipo di acciaio non contemplato
1C	0	3809	1	-3	0	-3	4								Tipo di acciaio non contemplato

1D	0	3809	6	-3	0	-3	-2	Tipo di acciaio non contemplato
1E	0	5099	1	6	0	8	4	Tipo di acciaio non contemplato
1F	0	5099	6	6	0	8	-2	Tipo di acciaio non contemplato
1G	0	5099	1	-3	0	-3	4	Tipo di acciaio non contemplato
1H	0	5099	6	-3	0	-3	-2	Tipo di acciaio non contemplato
1I	0	2849	-2	10	0	13	9	Tipo di acciaio non contemplato
1J	0	2849	9	10	0	13	-7	Tipo di acciaio non contemplato
1K	0	2849	-2	-6	0	-9	9	Tipo di acciaio non contemplato
1L	0	2849	9	-6	0	-9	-7	Tipo di acciaio non contemplato
1M	0	6059	-2	10	0	13	9	Tipo di acciaio non contemplato
1N	0	6059	9	10	0	13	-7	Tipo di acciaio non contemplato
1O	0	6059	-2	-6	0	-9	9	Tipo di acciaio non contemplato
1P	0	6059	9	-6	0	-9	-7	Tipo di acciaio non contemplato
2	0	5820	5	3	0	3	0	Tipo di acciaio non contemplato
7	0	5803	4	2	0	3	1	Tipo di acciaio non contemplato
8	0	5813	5	3	0	3	0	Tipo di acciaio non contemplato
1A	73	3805	-4	6	0	3	2	Tipo di acciaio non contemplato
1B	73	3805	1	6	0	3	0	Tipo di acciaio non contemplato
1C	73	3805	-4	-3	0	-1	2	Tipo di acciaio non contemplato
1D	73	3805	1	-3	0	-1	0	Tipo di acciaio non contemplato
1E	73	5094	-4	6	0	3	2	Tipo di acciaio non contemplato
1F	73	5094	1	6	0	3	0	Tipo di acciaio non contemplato
1G	73	5094	-4	-3	0	-1	2	Tipo di acciaio non contemplato
1H	73	5094	1	-3	0	-1	0	Tipo di acciaio non contemplato
1I	73	2845	-7	10	0	5	5	Tipo di acciaio non contemplato
1J	73	2845	4	10	0	5	-2	Tipo di acciaio non contemplato
1K	73	2845	-7	-6	0	-4	5	Tipo di acciaio non contemplato
1L	73	2845	4	-6	0	-4	-2	Tipo di acciaio non contemplato
1M	73	6054	-7	10	0	5	5	Tipo di acciaio non contemplato
1N	73	6054	4	10	0	5	-2	Tipo di acciaio non contemplato
1O	73	6054	-7	-6	0	-4	5	Tipo di acciaio non contemplato
1P	73	6054	4	-6	0	-4	-2	Tipo di acciaio non contemplato
2	73	5814	-2	3	0	1	2	Tipo di acciaio non contemplato
7	73	5797	-2	2	0	0	2	Tipo di acciaio non contemplato
8	73	5807	-2	3	0	1	2	Tipo di acciaio non contemplato
1A	147	3800	-8	6	0	-2	-2	Tipo di acciaio non contemplato
1B	147	3800	-4	6	0	-2	0	Tipo di acciaio non contemplato
1C	147	3800	-8	-3	0	0	-2	Tipo di acciaio non contemplato
1D	147	3800	-4	-3	0	0	0	Tipo di acciaio non contemplato
1E	147	5090	-8	6	0	-2	-2	Tipo di acciaio non contemplato
1F	147	5090	-4	6	0	-2	0	Tipo di acciaio non contemplato
1G	147	5090	-8	-3	0	0	-2	Tipo di acciaio non contemplato
1H	147	5090	-4	-3	0	0	0	Tipo di acciaio non contemplato
1I	147	2840	-12	10	0	-2	-3	Tipo di acciaio non contemplato
1J	147	2840	-0	10	0	-2	0	Tipo di acciaio non contemplato
1K	147	2840	-12	-6	0	1	-3	Tipo di acciaio non contemplato
1L	147	2840	-0	-6	0	1	0	Tipo di acciaio non contemplato
1M	147	6050	-12	10	0	-2	-3	Tipo di acciaio non contemplato
1N	147	6050	-0	10	0	-2	0	Tipo di acciaio non contemplato
1O	147	6050	-12	-6	0	1	-3	Tipo di acciaio non contemplato
1P	147	6050	-0	-6	0	1	0	Tipo di acciaio non contemplato
2	147	5808	-8	3	0	0	-1	Tipo di acciaio non contemplato
7	147	5791	-8	2	0	0	-2	Tipo di acciaio non contemplato
8	147	5801	-8	3	0	0	-1	Tipo di acciaio non contemplato

ASTA NUM. 83 NI 898 NF 872 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-5670	-0	4	0	3	3								Tipo di acciaio non contemplato
1B	0	-5670	5	4	0	3	0								Tipo di acciaio non contemplato
1C	0	-5670	-0	-3	0	-2	3								Tipo di acciaio non contemplato
1D	0	-5670	5	-3	0	-2	0								Tipo di acciaio non contemplato
1E	0	-3596	-0	4	0	3	3								Tipo di acciaio non contemplato
1F	0	-3596	5	4	0	3	0								Tipo di acciaio non contemplato
1G	0	-3596	-0	-3	0	-2	3								Tipo di acciaio non contemplato
1H	0	-3596	5	-3	0	-2	0								Tipo di acciaio non contemplato
1I	0	-6454	-0	6	0	7	4								Tipo di acciaio non contemplato
1J	0	-6454	5	6	0	7	-2								Tipo di acciaio non contemplato
1K	0	-6454	-0	-5	0	-5	4								Tipo di acciaio non contemplato
1L	0	-6454	5	-5	0	-5	-2								Tipo di acciaio non contemplato
1M	0	-2812	-0	6	0	7	4								Tipo di acciaio non contemplato
1N	0	-2812	5	6	0	7	-2								Tipo di acciaio non contemplato
1O	0	-2812	-0	-5	0	-5	4								Tipo di acciaio non contemplato
1P	0	-2812	5	-5	0	-5	-2								Tipo di acciaio non contemplato
2	0	-5917	3	1	0	0	2								Tipo di acciaio non contemplato
7	0	-5874	3	1	0	0	2								Tipo di acciaio non contemplato
8	0	-5967	3	1	0	0	2								Tipo di acciaio non contemplato
1A	73	-5666	-5	4	0	0	1								Tipo di acciaio non contemplato
1B	73	-5666	1	4	0	0	2								Tipo di acciaio non contemplato
1C	73	-5666	-5	-3	0	0	1								Tipo di acciaio non contemplato
1D	73	-5666	1	-3	0	0	2								Tipo di acciaio non contemplato
1E	73	-3592	-5	4	0	0	1								Tipo di acciaio non contemplato
1F	73	-3592	1	4	0	0	2								Tipo di acciaio non contemplato
1G	73	-3592	-5	-3	0	0	1								Tipo di acciaio non contemplato
1H	73	-3592	1	-3	0	0	2								Tipo di acciaio non contemplato
1I	73	-6449	-5	6	0	1	2								Tipo di acciaio non contemplato
1J	73	-6449	1	6	0	1	0								Tipo di acciaio non contemplato

1K	73	-6449	-5	-5	0	-1	2	Tipo di acciaio non contemplato
1L	73	-6449	1	-5	0	-1	0	Tipo di acciaio non contemplato
1M	73	-2808	-5	6	0	1	2	Tipo di acciaio non contemplato
1N	73	-2808	1	6	0	1	0	Tipo di acciaio non contemplato
1O	73	-2808	-5	-5	0	-1	2	Tipo di acciaio non contemplato
1P	73	-2808	1	-5	0	-1	0	Tipo di acciaio non contemplato
2	73	-5912	-3	1	0	0	2	Tipo di acciaio non contemplato
7	73	-5868	-3	1	0	0	2	Tipo di acciaio non contemplato
8	73	-5961	-3	1	0	0	2	Tipo di acciaio non contemplato
1A	147	-5661	-10	4	0	-3	-4	Tipo di acciaio non contemplato
1B	147	-5661	-4	4	0	-3	0	Tipo di acciaio non contemplato
1C	147	-5661	-10	-3	0	2	-4	Tipo di acciaio non contemplato
1D	147	-5661	-4	-3	0	2	0	Tipo di acciaio non contemplato
1E	147	-3587	-10	4	0	-3	-4	Tipo di acciaio non contemplato
1F	147	-3587	-4	4	0	-3	0	Tipo di acciaio non contemplato
1G	147	-3587	-10	-3	0	2	-4	Tipo di acciaio non contemplato
1H	147	-3587	-4	-3	0	2	0	Tipo di acciaio non contemplato
1I	147	-6445	-10	6	0	-4	-3	Tipo di acciaio non contemplato
1J	147	-6445	-4	6	0	-4	0	Tipo di acciaio non contemplato
1K	147	-6445	-10	-5	0	3	-3	Tipo di acciaio non contemplato
1L	147	-6445	-4	-5	0	3	0	Tipo di acciaio non contemplato
1M	147	-2803	-10	6	0	-4	-3	Tipo di acciaio non contemplato
1N	147	-2803	-4	6	0	-4	0	Tipo di acciaio non contemplato
1O	147	-2803	-10	-5	0	3	-3	Tipo di acciaio non contemplato
1P	147	-2803	-4	-5	0	3	0	Tipo di acciaio non contemplato
2	147	-5906	-9	1	0	0	-3	Tipo di acciaio non contemplato
7	147	-5863	-9	1	0	0	-3	Tipo di acciaio non contemplato
8	147	-5955	-9	1	0	0	-3	Tipo di acciaio non contemplato

ASTA NUM. 84 NI 869 NF 898 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	3431	-2	3	0	6	7								Tipo di acciaio non contemplato
1B	0	3431	7	3	0	6	-4								Tipo di acciaio non contemplato
1C	0	3431	-2	-3	0	-4	7								Tipo di acciaio non contemplato
1D	0	3431	7	-3	0	-4	-4								Tipo di acciaio non contemplato
1E	0	5687	-2	3	0	6	7								Tipo di acciaio non contemplato
1F	0	5687	7	3	0	6	-4								Tipo di acciaio non contemplato
1G	0	5687	-2	-3	0	-4	7								Tipo di acciaio non contemplato
1H	0	5687	7	-3	0	-4	-4								Tipo di acciaio non contemplato
1I	0	2873	-1	4	0	9	4								Tipo di acciaio non contemplato
1J	0	2873	6	4	0	9	-2								Tipo di acciaio non contemplato
1K	0	2873	-1	-4	0	-8	4								Tipo di acciaio non contemplato
1L	0	2873	6	-4	0	-8	-2								Tipo di acciaio non contemplato
1M	0	6245	-1	4	0	9	4								Tipo di acciaio non contemplato
1N	0	6245	6	4	0	9	-2								Tipo di acciaio non contemplato
1O	0	6245	-1	-4	0	-8	4								Tipo di acciaio non contemplato
1P	0	6245	6	-4	0	-8	-2								Tipo di acciaio non contemplato
2	0	4660	3	-2	0	-3	2								Tipo di acciaio non contemplato
7	0	4909	3	-2	0	-2	1								Tipo di acciaio non contemplato
8	0	5053	3	-2	0	-2	2								Tipo di acciaio non contemplato
1A	73	3427	-7	3	0	4	3								Tipo di acciaio non contemplato
1B	73	3427	2	3	0	4	0								Tipo di acciaio non contemplato
1C	73	3427	-7	-3	0	-2	3								Tipo di acciaio non contemplato
1D	73	3427	2	-3	0	-2	0								Tipo di acciaio non contemplato
1E	73	5682	-7	3	0	4	3								Tipo di acciaio non contemplato
1F	73	5682	2	3	0	4	0								Tipo di acciaio non contemplato
1G	73	5682	-7	-3	0	-2	3								Tipo di acciaio non contemplato
1H	73	5682	2	-3	0	-2	0								Tipo di acciaio non contemplato
1I	73	2868	-6	4	0	7	2								Tipo di acciaio non contemplato
1J	73	2868	1	4	0	7	0								Tipo di acciaio non contemplato
1K	73	2868	-6	-4	0	-5	2								Tipo di acciaio non contemplato
1L	73	2868	1	-4	0	-5	0								Tipo di acciaio non contemplato
1M	73	6241	-6	4	0	7	2								Tipo di acciaio non contemplato
1N	73	6241	1	4	0	7	0								Tipo di acciaio non contemplato
1O	73	6241	-6	-4	0	-5	2								Tipo di acciaio non contemplato
1P	73	6241	1	-4	0	-5	0								Tipo di acciaio non contemplato
2	73	4654	-3	-2	0	-1	2								Tipo di acciaio non contemplato
7	73	4903	-3	-2	0	0	1								Tipo di acciaio non contemplato
8	73	5048	-3	-2	0	0	2								Tipo di acciaio non contemplato
1A	147	3422	-12	3	0	2	-4								Tipo di acciaio non contemplato
1B	147	3422	-2	3	0	2	0								Tipo di acciaio non contemplato
1C	147	3422	-12	-3	0	0	-4								Tipo di acciaio non contemplato
1D	147	3422	-2	-3	0	0	0								Tipo di acciaio non contemplato
1E	147	5678	-12	3	0	2	-4								Tipo di acciaio non contemplato
1F	147	5678	-2	3	0	2	0								Tipo di acciaio non contemplato
1G	147	5678	-12	-3	0	0	-4								Tipo di acciaio non contemplato
1H	147	5678	-2	-3	0	0	0								Tipo di acciaio non contemplato
1I	147	2864	-11	4	0	4	-5								Tipo di acciaio non contemplato
1J	147	2864	-4	4	0	4	0								Tipo di acciaio non contemplato
1K	147	2864	-11	-4	0	-3	-5								Tipo di acciaio non contemplato
1L	147	2864	-4	-4	0	-3	0								Tipo di acciaio non contemplato
1M	147	6236	-11	4	0	4	-5								Tipo di acciaio non contemplato
1N	147	6236	-4	4	0	4	0								Tipo di acciaio non contemplato
1O	147	6236	-11	-4	0	-3	-5								Tipo di acciaio non contemplato
1P	147	6236	-4	-4	0	-3	0								Tipo di acciaio non contemplato
2	147	4649	-10	-2	0	0	-3								Tipo di acciaio non contemplato

7	147	4897	-9	-2	0	0	-3	Tipo di acciaio non contemplato
8	147	5042	-10	-2	0	0	-3	Tipo di acciaio non contemplato

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **9** Descrizione: **Reticolare retro**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 968 NF 969 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-271	576	58	0	74	-103	5.0	81.8	48.9	0.0	86.8	1	
1B	0	-271	588	58	0	74	-131	5.0	89.1	49.8	0.0	94.1	1	
1C	0	-271	576	-2	0	5	-103	5.0	30.5	48.9	0.0	84.8	4	
1D	0	-271	588	-2	0	5	-131	5.0	37.8	49.8	0.0	86.5	4	
1E	0	4783	576	58	0	74	-103	88.9	81.8	48.9	0.0	170.7	1	
1F	0	4783	588	58	0	74	-131	88.9	89.1	49.8	0.0	178.0	1	
1G	0	4783	576	-2	0	5	-103	88.9	30.5	48.9	0.0	135.3	3	
1H	0	4783	588	-2	0	5	-131	88.9	37.8	49.8	0.0	141.5	3	
1I	0	-4028	576	59	0	144	-86	74.9	129.9	48.8	0.0	204.8	1	
1J	0	-4028	588	59	0	144	-147	74.9	145.7	49.9	0.0	220.5	1	
1K	0	-4028	576	-2	0	-64	-86	74.9	70.4	48.8	0.0	145.3	1	
1L	0	-4028	588	-2	0	-64	-147	74.9	86.2	49.9	0.0	161.0	1	
1M	0	8540	576	59	0	144	-86	158.7	129.9	48.8	0.0	288.6	1	
1N	0	8540	588	59	0	144	-147	158.7	145.7	49.9	0.0	304.4	1	
1O	0	8540	576	-2	0	-64	-86	158.7	70.4	48.8	0.0	229.1	1	
1P	0	8540	588	-2	0	-64	-147	158.7	86.2	49.9	0.0	244.9	1	
2	0	3180	758	34	0	51	-152	59.1	77.2	64.2	0.0	137.0	3	
7	0	3201	757	34	0	51	-152	59.5	77.1	64.2	0.0	137.3	3	
8	0	3081	757	35	0	51	-152	57.3	77.4	64.2	0.0	135.7	3	
1A	100	-271	26	58	0	61	202	5.0	97.8	2.2	0.0	102.8	1	
1B	100	-271	38	58	0	61	178	5.0	91.5	3.2	0.0	96.5	1	
1C	100	-271	26	-2	0	-38	202	5.0	80.4	2.2	0.0	85.4	1	
1D	100	-271	38	-2	0	-38	178	5.0	74.1	3.2	0.0	79.1	1	
1E	100	4783	26	58	0	61	202	88.9	97.8	2.2	0.0	186.7	1	
1F	100	4783	38	58	0	61	178	88.9	91.5	3.2	0.0	180.4	1	
1G	100	4783	26	-2	0	-38	202	88.9	80.4	2.2	0.0	169.3	1	
1H	100	4783	38	-2	0	-38	178	88.9	74.1	3.2	0.0	163.0	1	
1I	100	-4028	26	59	0	101	216	74.9	131.4	2.2	0.0	206.2	1	
1J	100	-4028	38	59	0	101	164	74.9	118.0	3.2	0.0	192.9	1	
1K	100	-4028	26	-2	0	-78	216	74.9	113.9	2.2	0.0	188.8	1	
1L	100	-4028	38	-2	0	-78	164	74.9	100.6	3.2	0.0	175.5	1	
1M	100	8540	26	59	0	101	216	158.7	131.4	2.2	0.0	290.1	1	
1N	100	8540	38	59	0	101	164	158.7	118.0	3.2	0.0	276.8	1	
1O	100	8540	26	-2	0	-78	216	158.7	113.9	2.2	0.0	272.7	1	
1P	100	8540	38	-2	0	-78	164	158.7	100.6	3.2	0.0	259.3	1	
2	100	3180	42	34	0	17	248	59.1	76.2	3.6	0.0	135.3	1	
7	100	3201	42	34	0	17	248	59.5	76.3	3.6	0.0	135.8	1	
8	100	3081	42	35	0	16	248	57.3	75.7	3.6	0.0	133.0	1	
1A	200	-271	-524	58	0	48	-43	5.0	47.0	44.4	0.0	77.2	4	
1B	200	-271	-513	58	0	48	-63	5.0	52.4	43.5	0.0	75.5	4	
1C	200	-271	-524	-2	0	-81	-43	5.0	71.7	44.4	0.0	77.3	4	
1D	200	-271	-513	-2	0	-81	-63	5.0	77.0	43.5	0.0	82.1	1	
1E	200	4783	-524	58	0	48	-43	88.9	47.0	44.4	0.0	135.9	1	
1F	200	4783	-513	58	0	48	-63	88.9	52.4	43.5	0.0	141.3	1	
1G	200	4783	-524	-2	0	-81	-43	88.9	71.7	44.4	0.0	160.6	1	
1H	200	4783	-513	-2	0	-81	-63	88.9	77.0	43.5	0.0	165.9	1	
1I	200	-4028	-524	59	0	59	-32	74.9	52.0	44.5	0.0	126.9	1	
1J	200	-4028	-512	59	0	59	-74	74.9	62.9	43.4	0.0	137.8	1	
1K	200	-4028	-524	-2	0	-91	-32	74.9	76.7	44.5	0.0	151.5	1	
1L	200	-4028	-512	-2	0	-91	-74	74.9	87.5	43.4	0.0	162.4	1	
1M	200	8540	-524	59	0	59	-32	158.7	52.0	44.5	0.0	210.7	1	
1N	200	8540	-512	59	0	59	-74	158.7	62.9	43.4	0.0	221.6	1	
1O	200	8540	-524	-2	0	-91	-32	158.7	76.7	44.5	0.0	235.4	1	
1P	200	8540	-512	-2	0	-91	-74	158.7	87.5	43.4	0.0	246.3	1	
2	200	3180	-673	34	0	-18	-67	59.1	30.7	57.1	0.0	115.4	4	
7	200	3201	-673	34	0	-18	-67	59.5	30.5	57.1	0.0	115.6	4	
8	200	3081	-673	35	0	-19	-68	57.3	31.9	57.1	0.0	114.5	4	

ASTA NUM. 2 NI 970 NF 968 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	224	508	4	0	49	-32	4.2	45.0	43.1	0.0	74.8	4
1B	0	224	526	4	0	49	-69	4.2	54.3	44.6	0.0	77.4	4
1C	0	224	508	-60	0	-81	-32	4.2	69.0	43.1	0.0	74.9	4
1D	0	224	526	-60	0	-81	-69	4.2	78.3	44.6	0.0	82.5	1
1E	0	4282	508	4	0	49	-32	79.6	45.0	43.1	0.0	124.6	1
1F	0	4282	526	4	0	49	-69	79.6	54.3	44.6	0.0	133.9	1
1G	0	4282	508	-60	0	-81	-32	79.6	69.0	43.1	0.0	148.6	1
1H	0	4282	526	-60	0	-81	-69	79.6	78.3	44.6	0.0	157.9	1
1I	0	-3602	510	5	0	56	-27	67.0	48.5	43.3	0.0	115.4	1
1J	0	-3602	524	5	0	56	-74	67.0	60.6	44.4	0.0	127.6	1
1K	0	-3602	510	-61	0	-88	-27	67.0	72.5	43.3	0.0	139.5	1
1L	0	-3602	524	-61	0	-88	-74	67.0	84.7	44.4	0.0	151.6	1
1M	0	8108	510	5	0	56	-27	150.7	48.5	43.3	0.0	199.2	1
1N	0	8108	524	5	0	56	-74	150.7	60.6	44.4	0.0	211.3	1
1O	0	8108	510	-61	0	-88	-27	150.7	72.5	43.3	0.0	223.2	1
1P	0	8108	524	-61	0	-88	-74	150.7	84.7	44.4	0.0	235.4	1
2	0	3112	672	-35	0	-18	-66	57.8	30.5	57.0	0.0	114.7	4
7	0	3128	673	-35	0	-18	-66	58.1	30.4	57.0	0.0	114.8	4
8	0	3034	672	-36	0	-19	-66	56.4	31.4	57.0	0.0	113.9	4
1A	100	224	-42	4	0	63	207	4.2	100.7	3.6	0.0	104.8	1
1B	100	224	-24	4	0	63	176	4.2	92.5	2.1	0.0	96.7	1
1C	100	224	-42	-60	0	-39	207	4.2	82.7	3.6	0.0	86.9	1
1D	100	224	-24	-60	0	-39	176	4.2	74.5	2.3	0.0	78.7	1
1E	100	4282	-42	4	0	63	207	79.6	100.7	3.6	0.0	180.3	1
1F	100	4282	-24	4	0	63	176	79.6	92.5	2.1	0.0	172.1	1
1G	100	4282	-42	-60	0	-39	207	79.6	82.7	3.6	0.0	162.3	1
1H	100	4282	-24	-60	0	-39	176	79.6	74.5	2.3	0.0	154.1	1
1I	100	-3602	-40	5	0	100	219	67.0	131.4	3.4	0.0	198.3	1
1J	100	-3602	-26	5	0	100	164	67.0	117.4	2.2	0.0	184.3	1
1K	100	-3602	-40	-61	0	-76	219	67.0	113.4	3.4	0.0	180.3	1
1L	100	-3602	-26	-61	0	-76	164	67.0	99.4	2.3	0.0	166.3	1
1M	100	8108	-40	5	0	100	219	150.7	131.4	3.4	0.0	282.1	1
1N	100	8108	-26	5	0	100	164	150.7	117.4	2.2	0.0	268.1	1
1O	100	8108	-40	-61	0	-76	219	150.7	113.4	3.4	0.0	264.1	1
1P	100	8108	-26	-61	0	-76	164	150.7	99.4	2.3	0.0	250.1	1
2	100	3112	-43	-35	0	17	249	57.8	76.5	3.6	0.0	134.3	1
7	100	3128	-43	-35	0	17	249	58.1	76.5	3.6	0.0	134.7	1
8	100	3034	-43	-36	0	16	249	56.4	76.1	3.6	0.0	132.5	1
1A	200	224	-592	4	0	78	-103	4.2	84.6	50.2	0.0	88.7	1
1B	200	224	-575	4	0	78	-131	4.2	91.6	48.7	0.0	95.8	1
1C	200	224	-592	-60	0	3	-103	4.2	28.5	50.2	0.0	87.1	4
1D	200	224	-575	-60	0	3	-131	4.2	35.6	48.7	0.0	84.5	4
1E	200	4282	-592	4	0	78	-103	79.6	84.6	50.2	0.0	164.2	1
1F	200	4282	-575	4	0	78	-131	79.6	91.6	48.7	0.0	171.2	1
1G	200	4282	-592	-60	0	3	-103	79.6	28.5	50.2	0.0	128.9	3
1H	200	4282	-575	-60	0	3	-131	79.6	35.6	48.7	0.0	132.8	3
1I	200	-3602	-590	5	0	145	-86	67.0	130.8	50.0	0.0	197.8	1
1J	200	-3602	-577	5	0	145	-147	67.0	146.6	48.9	0.0	213.6	1
1K	200	-3602	-590	-61	0	-65	-86	67.0	70.8	50.0	0.0	137.7	1
1L	200	-3602	-577	-61	0	-65	-147	67.0	86.5	48.9	0.0	153.5	1
1M	200	8108	-590	5	0	145	-86	150.7	130.8	50.0	0.0	281.5	1
1N	200	8108	-577	5	0	145	-147	150.7	146.6	48.9	0.0	297.3	1
1O	200	8108	-590	-61	0	-65	-86	150.7	70.8	50.0	0.0	221.5	1
1P	200	8108	-577	-61	0	-65	-147	150.7	86.5	48.9	0.0	237.2	1
2	200	3112	-758	-35	0	51	-152	57.8	77.5	64.3	0.0	136.2	3
7	200	3128	-758	-35	0	51	-152	58.1	77.5	64.3	0.0	136.4	3
8	200	3034	-758	-36	0	52	-152	56.4	77.7	64.3	0.0	135.2	3

ASTA NUM. 3 NI 969 NF 971 Lungh. 100.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4673	-299	74	0	59	-41	86.9	54.7	25.3	0.0	141.6	1	
1B	0	-4673	522	74	0	59	-59	86.9	59.5	44.3	0.0	146.3	1	
1C	0	-4673	-299	-100	0	-88	-41	86.9	76.2	25.3	0.0	163.0	1	
1D	0	-4673	522	-100	0	-88	-59	86.9	80.9	44.3	0.0	167.8	1	
1E	0	4255	-299	74	0	59	-41	79.1	54.7	25.3	0.0	133.8	1	
1F	0	4255	522	74	0	59	-59	79.1	59.5	44.3	0.0	138.6	1	
1G	0	4255	-299	-100	0	-88	-41	79.1	76.2	25.3	0.0	155.2	1	
1H	0	4255	522	-100	0	-88	-59	79.1	80.9	44.3	0.0	160.0	1	
1I	0	-2527	-73	96	0	76	-30	47.0	64.5	6.2	0.0	111.5	1	
1J	0	-2527	297	96	0	76	-70	47.0	74.9	25.1	0.0	121.9	1	
1K	0	-2527	-73	-122	0	-105	-30	47.0	86.0	6.2	0.0	133.0	1	
1L	0	-2527	297	-122	0	-105	-70	47.0	96.4	25.1	0.0	143.3	1	
1M	0	2109	-73	96	0	76	-30	39.2	64.5	6.2	0.0	103.7	1	
1N	0	2109	297	96	0	76	-70	39.2	74.9	25.1	0.0	114.1	1	
1O	0	2109	-73	-122	0	-105	-30	39.2	86.0	6.2	0.0	125.2	1	
1P	0	2109	297	-122	0	-105	-70	39.2	96.4	25.1	0.0	135.6	1	
2	0	81	175	-14	0	-15	-63	1.5	27.6	14.8	0.0	29.1	1	
7	0	96	176	-14	0	-15	-63	1.8	27.3	14.9	0.0	29.1	1	
8	0	-38	165	-16	0	-17	-64	0.7	28.8	14.0	0.0	29.5	1	
1A	50	-4673	-574	74	0	21	151	86.9	54.4	48.6	0.0	143.2	3	
1B	50	-4673	247	74	0	21	-277	86.9	86.8	20.9	0.0	173.7	1	
1C	50	-4673	-574	-100	0	-36	151	86.9	65.9	48.6	0.0	152.8	1	
1D	50	-4673	247	-100	0	-36	-277	86.9	98.3	20.9	0.0	185.2	1	
1E	50	4255	-574	74	0	21	151	79.1	54.4	48.6	0.0	136.6	3	
1F	50	4255	247	74	0	21	-277	79.1	86.8	20.9	0.0	165.9	1	

1G	50	4255	-574	-100	0	-36	151	79.1	65.9	48.6	0.0	145.0	1
1H	50	4255	247	-100	0	-36	-277	79.1	98.3	20.9	0.0	177.4	1
1I	50	-2527	-348	96	0	28	50	47.0	33.5	29.5	0.0	80.4	1
1J	50	-2527	22	96	0	28	-175	47.0	65.9	3.6	0.0	112.8	1
1K	50	-2527	-348	-122	0	-43	50	47.0	44.9	29.5	0.0	91.9	1
1L	50	-2527	22	-122	0	-43	-175	47.0	77.3	4.6	0.0	124.3	1
1M	50	2109	-348	96	0	28	50	39.2	33.5	29.5	0.0	72.7	1
1N	50	2109	22	96	0	28	-175	39.2	65.9	3.6	0.0	105.1	1
1O	50	2109	-348	-122	0	-43	50	39.2	44.9	29.5	0.0	84.1	1
1P	50	2109	22	-122	0	-43	-175	39.2	77.3	4.6	0.0	116.5	1
2	50	81	-183	-14	0	-8	-65	1.5	22.8	15.5	0.0	29.1	3
7	50	96	-181	-14	0	-8	-65	1.8	22.4	15.4	0.0	29.0	3
8	50	-38	-193	-16	0	-9	-71	0.7	24.7	16.3	0.0	30.4	3
1A	100	-4673	-849	74	0	-18	206	86.9	66.2	72.0	0.0	174.1	3
1B	100	-4673	-28	74	0	-18	-633	86.9	176.0	2.8	0.0	262.9	1
1C	100	-4673	-849	-100	0	16	206	86.9	64.7	72.0	0.0	174.1	3
1D	100	-4673	-28	-100	0	16	-633	86.9	174.5	3.8	0.0	261.4	1
1E	100	4255	-849	74	0	-18	206	79.1	66.2	72.0	0.0	168.2	3
1F	100	4255	-28	74	0	-18	-633	79.1	176.0	2.8	0.0	255.1	1
1G	100	4255	-849	-100	0	16	206	79.1	64.7	72.0	0.0	168.2	3
1H	100	4255	-28	-100	0	16	-633	79.1	174.5	3.8	0.0	253.6	1
1I	100	-2527	-623	96	0	-21	-9	47.0	17.6	52.9	0.0	103.1	4
1J	100	-2527	-254	96	0	-21	-418	47.0	123.1	21.5	0.0	170.0	1
1K	100	-2527	-623	-122	0	19	-9	47.0	16.1	52.9	0.0	103.1	4
1L	100	-2527	-254	-122	0	19	-418	47.0	121.5	21.5	0.0	168.5	1
1M	100	2109	-623	96	0	-21	-9	39.2	17.6	52.9	0.0	99.8	4
1N	100	2109	-254	96	0	-21	-418	39.2	123.1	21.5	0.0	162.3	1
1O	100	2109	-623	-122	0	19	-9	39.2	16.1	52.9	0.0	99.8	4
1P	100	2109	-254	-122	0	19	-418	39.2	121.5	21.5	0.0	160.7	1
2	100	81	-540	-14	0	-1	-246	1.5	64.0	45.8	0.0	91.2	3
7	100	96	-539	-14	0	-1	-245	1.8	63.6	45.7	0.0	91.0	3
8	100	-38	-550	-16	0	-1	-256	0.7	66.7	46.7	0.0	93.2	3

ASTA NUM. 4 NI 972 NF 970 Lungh. 100.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y Permanente qy tot.
qy medio: 0.4223 5.0800 5.5023 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4070	13	102	0	16	202	75.7	64.2	3.8	0.0	139.8	1	
1B	0	-4070	878	102	0	16	-637	75.7	176.1	74.4	0.0	251.7	1	
1C	0	-4070	13	-75	0	-18	202	75.7	65.6	2.8	0.0	141.2	1	
1D	0	-4070	878	-75	0	-18	-637	75.7	177.5	74.4	0.0	253.1	1	
1E	0	3625	13	102	0	16	202	67.4	64.2	3.8	0.0	131.6	1	
1F	0	3625	878	102	0	16	-637	67.4	176.1	74.4	0.0	243.4	1	
1G	0	3625	13	-75	0	-18	202	67.4	65.6	2.8	0.0	133.0	1	
1H	0	3625	878	-75	0	-18	-637	67.4	177.5	74.4	0.0	244.8	1	
1I	0	-1579	260	120	0	19	-52	29.4	27.9	22.0	0.0	57.2	1	
1J	0	-1579	630	120	0	19	-383	29.4	112.9	53.5	0.0	143.8	3	
1K	0	-1579	260	-93	0	-21	-52	29.4	29.3	22.0	0.0	58.6	1	
1L	0	-1579	630	-93	0	-21	-383	29.4	114.3	53.5	0.0	143.7	3	
1M	0	1134	260	120	0	19	-52	21.1	27.9	22.0	0.0	49.0	1	
1N	0	1134	630	120	0	19	-383	21.1	112.9	53.5	0.0	137.1	3	
1O	0	1134	260	-93	0	-21	-52	21.1	29.3	22.0	0.0	50.4	1	
1P	0	1134	630	-93	0	-21	-383	21.1	114.3	53.5	0.0	137.0	3	
2	0	-185	575	15	0	-1	-279	3.4	72.5	48.7	0.0	100.8	3	
7	0	-183	575	14	0	-1	-279	3.4	72.7	48.8	0.0	100.8	3	
8	0	-226	577	16	0	-1	-281	4.2	73.0	48.9	0.0	101.8	3	
1A	50	-4070	-263	102	0	-36	136	75.7	62.0	22.3	0.0	137.7	1	
1B	50	-4070	603	102	0	-36	-264	75.7	94.8	51.1	0.0	170.4	1	
1C	50	-4070	-263	-75	0	21	136	75.7	50.6	22.3	0.0	126.3	1	
1D	50	-4070	603	-75	0	21	-264	75.7	83.4	51.1	0.0	159.0	1	
1E	50	3625	-263	102	0	-36	136	67.4	62.0	22.3	0.0	129.4	1	
1F	50	3625	603	102	0	-36	-264	67.4	94.8	51.1	0.0	162.2	1	
1G	50	3625	-263	-75	0	21	136	67.4	50.6	22.3	0.0	118.0	1	
1H	50	3625	603	-75	0	21	-264	67.4	83.4	51.1	0.0	150.7	1	
1I	50	-1579	-15	120	0	-41	7	29.4	32.5	4.5	0.0	61.8	1	
1J	50	-1579	355	120	0	-41	-134	29.4	65.2	30.1	0.0	94.6	1	
1K	50	-1579	-15	-93	0	26	7	29.4	21.1	3.5	0.0	50.4	1	
1L	50	-1579	355	-93	0	26	-134	29.4	53.8	30.1	0.0	83.1	1	
1M	50	1134	-15	120	0	-41	7	21.1	32.5	4.5	0.0	53.6	1	
1N	50	1134	355	120	0	-41	-134	21.1	65.2	30.1	0.0	86.3	1	
1O	50	1134	-15	-93	0	26	7	21.1	21.1	3.5	0.0	42.1	1	
1P	50	1134	355	-93	0	26	-134	21.1	53.8	30.1	0.0	74.9	1	
2	50	-185	217	15	0	-8	-81	3.4	27.1	18.4	0.0	36.0	3	
7	50	-183	217	14	0	-8	-81	3.4	27.0	18.4	0.0	36.0	3	
8	50	-226	219	16	0	-9	-82	4.2	27.8	18.6	0.0	36.8	3	
1A	100	-4070	-538	102	0	-88	-67	75.7	83.4	45.6	0.0	159.0	1	
1B	100	-4070	327	102	0	-88	-28	75.7	73.4	27.8	0.0	149.0	1	
1C	100	-4070	-538	-75	0	60	-67	75.7	61.9	45.6	0.0	137.6	1	
1D	100	-4070	327	-75	0	60	-28	75.7	51.9	27.8	0.0	127.6	1	
1E	100	3625	-538	102	0	-88	-67	67.4	83.4	45.6	0.0	150.7	1	
1F	100	3625	327	102	0	-88	-28	67.4	73.4	27.8	0.0	140.8	1	
1G	100	3625	-538	-75	0	60	-67	67.4	61.9	45.6	0.0	129.3	1	
1H	100	3625	327	-75	0	60	-28	67.4	51.9	27.8	0.0	119.3	1	
1I	100	-1579	-290	120	0	-101	-71	29.4	94.2	24.6	0.0	123.6	1	
1J	100	-1579	80	120	0	-101	-23	29.4	81.9	6.8	0.0	111.2	1	
1K	100	-1579	-290	-93	0	73	-71	29.4	72.8	24.6	0.0	102.1	1	
1L	100	-1579	80	-93	0	73	-23	29.4	60.4	6.8	0.0	89.7	1	
1M	100	1134	-290	120	0	-101	-71	21.1	94.2	24.6	0.0	115.3	1	

1N	100	1134	80	120	0	-101	-23	21.1	81.9	6.8	0.0	102.9	1
1O	100	1134	-290	-93	0	73	-71	21.1	72.8	24.6	0.0	93.8	1
1P	100	1134	80	-93	0	73	-23	21.1	60.4	6.8	0.0	81.5	1
2	100	-185	-140	15	0	-16	-62	3.4	27.6	11.9	0.0	31.1	1
7	100	-183	-140	14	0	-15	-62	3.4	27.5	11.9	0.0	30.9	1
8	100	-226	-138	16	0	-17	-62	4.2	28.6	11.7	0.0	32.8	1

ASTA NUM. 5 NI 967 NF 358 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1750	-94	28	0	8	124	32.5	37.5	7.9	0.0	70.0	1	
1B	0	-1750	-2	28	0	8	41	32.5	16.3	1.1	0.0	48.8	1	
1C	0	-1750	-94	-53	0	-40	124	32.5	61.7	7.9	0.0	94.2	1	
1D	0	-1750	-2	-53	0	-40	41	32.5	40.4	2.0	0.0	73.0	1	
1E	0	-402	-94	28	0	8	124	7.5	37.5	7.9	0.0	45.0	1	
1F	0	-402	-2	28	0	8	41	7.5	16.3	1.1	0.0	23.8	1	
1G	0	-402	-94	-53	0	-40	124	7.5	61.7	7.9	0.0	69.1	1	
1H	0	-402	-2	-53	0	-40	41	7.5	40.4	2.0	0.0	47.9	1	
1I	0	-2655	-83	54	0	40	130	49.3	63.5	7.0	0.0	112.9	1	
1J	0	-2655	-13	54	0	40	35	49.3	39.2	2.0	0.0	88.6	1	
1K	0	-2655	-83	-79	0	-73	130	49.3	87.7	7.0	0.0	137.0	1	
1L	0	-2655	-13	-79	0	-73	35	49.3	63.4	3.0	0.0	112.7	1	
1M	0	503	-83	54	0	40	130	9.3	63.5	7.0	0.0	72.9	1	
1N	0	503	-13	54	0	40	35	9.3	39.2	2.0	0.0	48.6	1	
1O	0	503	-83	-79	0	-73	130	9.3	87.7	7.0	0.0	97.0	1	
1P	0	503	-13	-79	0	-73	35	9.3	63.4	3.0	0.0	72.7	1	
2	0	-1312	-64	-14	0	-19	109	24.4	42.5	5.4	0.0	66.9	1	
7	0	-1310	-64	-14	0	-19	110	24.3	42.5	5.4	0.0	66.8	1	
8	0	-1360	-63	-15	0	-20	109	25.3	42.9	5.4	0.0	68.2	1	
1A	100	-1750	-136	28	0	-26	8	32.5	21.3	11.5	0.0	53.8	1	
1B	100	-1750	-44	28	0	-26	19	32.5	24.3	3.7	0.0	56.8	1	
1C	100	-1750	-136	-53	0	18	8	32.5	15.6	11.5	0.0	48.1	1	
1D	100	-1750	-44	-53	0	18	19	32.5	18.6	3.7	0.0	51.1	1	
1E	100	-402	-136	28	0	-26	8	7.5	21.3	11.5	0.0	28.8	1	
1F	100	-402	-44	28	0	-26	19	7.5	24.3	3.7	0.0	31.8	1	
1G	100	-402	-136	-53	0	18	8	7.5	15.6	11.5	0.0	23.1	1	
1H	100	-402	-44	-53	0	18	19	7.5	18.6	3.7	0.0	26.1	1	
1I	100	-2655	-125	54	0	-16	26	49.3	18.2	10.6	0.0	67.6	1	
1J	100	-2655	-55	54	0	-16	2	49.3	12.1	4.7	0.0	61.4	1	
1K	100	-2655	-125	-79	0	8	26	49.3	12.5	10.6	0.0	61.9	1	
1L	100	-2655	-55	-79	0	8	2	49.3	6.4	4.7	0.0	55.7	1	
1M	100	503	-125	54	0	-16	26	9.3	18.2	10.6	0.0	27.6	1	
1N	100	503	-55	54	0	-16	2	9.3	12.1	4.7	0.0	21.4	1	
1O	100	503	-125	-79	0	8	26	9.3	12.5	10.6	0.0	23.0	3	
1P	100	503	-55	-79	0	8	2	9.3	6.4	4.7	0.0	15.7	1	
2	100	-1312	-119	-14	0	-5	18	24.4	8.2	10.1	0.0	32.6	1	
7	100	-1310	-119	-14	0	-5	18	24.3	8.3	10.1	0.0	32.6	1	
8	100	-1360	-118	-15	0	-5	18	25.3	8.3	10.0	0.0	33.6	1	
1A	200	-1750	-178	28	0	-59	-150	32.5	82.9	15.1	0.0	115.4	1	
1B	200	-1750	-86	28	0	-59	-45	32.5	55.7	7.3	0.0	88.2	1	
1C	200	-1750	-178	-53	0	76	-150	32.5	95.6	15.1	0.0	128.1	1	
1D	200	-1750	-86	-53	0	76	-45	32.5	68.4	7.3	0.0	101.0	1	
1E	200	-402	-178	28	0	-59	-150	7.5	82.9	15.1	0.0	90.3	1	
1F	200	-402	-86	28	0	-59	-45	7.5	55.7	7.3	0.0	63.2	1	
1G	200	-402	-178	-53	0	76	-150	7.5	95.6	15.1	0.0	103.1	1	
1H	200	-402	-86	-53	0	76	-45	7.5	68.4	7.3	0.0	75.9	1	
1I	200	-2655	-167	54	0	-71	-121	49.3	84.5	14.2	0.0	133.8	1	
1J	200	-2655	-97	54	0	-71	-74	49.3	72.4	8.2	0.0	121.8	1	
1K	200	-2655	-167	-79	0	88	-121	49.3	97.2	14.2	0.0	146.6	1	
1L	200	-2655	-97	-79	0	88	-74	49.3	85.2	8.2	0.0	134.5	1	
1M	200	503	-167	54	0	-71	-121	9.3	84.5	14.2	0.0	93.8	1	
1N	200	503	-97	54	0	-71	-74	9.3	72.4	8.2	0.0	81.8	1	
1O	200	503	-167	-79	0	88	-121	9.3	97.2	14.2	0.0	106.6	1	
1P	200	503	-97	-79	0	88	-74	9.3	85.2	8.2	0.0	94.5	1	
2	200	-1312	-174	-14	0	10	-128	24.4	40.2	14.7	0.0	64.5	1	
7	200	-1310	-174	-14	0	9	-128	24.3	40.0	14.7	0.0	64.4	1	
8	200	-1360	-173	-15	0	10	-127	25.3	40.4	14.7	0.0	65.7	1	

ASTA NUM. 6 NI 966 NF 967 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3266	13	35	0	42	117	60.7	61.7	1.3	0.0	122.4	1	
1B	0	-3266	69	35	0	42	50	60.7	44.2	5.9	0.0	104.9	1	
1C	0	-3266	13	6	0	7	117	60.7	35.2	1.1	0.0	95.9	1	
1D	0	-3266	69	6	0	7	50	60.7	17.7	5.9	0.0	78.4	1	
1E	0	-1242	13	35	0	42	117	23.1	61.7	1.3	0.0	84.7	1	
1F	0	-1242	69	35	0	42	50	23.1	44.2	5.9	0.0	67.3	1	
1G	0	-1242	13	6	0	7	117	23.1	35.2	1.1	0.0	58.3	1	
1H	0	-1242	69	6	0	7	50	23.1	17.7	5.9	0.0	40.8	1	
1I	0	-4269	30	36	0	55	123	79.4	73.0	2.5	0.0	152.4	1	

1J	0	-4269	53	36	0	55	44	79.4	52.9	4.5	0.0	132.2	1
1K	0	-4269	30	5	0	-7	123	79.4	36.6	2.5	0.0	116.0	1
1L	0	-4269	53	5	0	-7	44	79.4	16.5	4.5	0.0	95.8	1
1M	0	-239	30	36	0	55	123	4.4	73.0	2.5	0.0	77.5	1
1N	0	-239	53	36	0	55	44	4.4	52.9	4.5	0.0	57.3	1
1O	0	-239	30	5	0	-7	123	4.4	36.6	2.5	0.0	41.1	1
1P	0	-239	53	5	0	-7	44	4.4	16.5	4.5	0.0	20.9	1
2	0	-2775	55	25	0	30	109	51.6	50.8	4.6	0.0	102.3	1
7	0	-2768	55	25	0	30	109	51.4	50.7	4.6	0.0	102.2	1
8	0	-2846	54	26	0	31	109	52.9	51.0	4.6	0.0	103.9	1
1A	100	-3266	-29	35	0	-2	100	60.7	26.9	2.4	0.0	87.6	1
1B	100	-3266	27	35	0	-2	107	60.7	28.7	2.3	0.0	89.4	1
1C	100	-3266	-29	6	0	9	100	60.7	32.9	2.4	0.0	93.6	1
1D	100	-3266	27	6	0	9	107	60.7	34.6	2.3	0.0	95.3	1
1E	100	-1242	-29	35	0	-2	100	23.1	26.9	2.4	0.0	50.0	1
1F	100	-1242	27	35	0	-2	107	23.1	28.7	2.3	0.0	51.8	1
1G	100	-1242	-29	6	0	9	100	23.1	32.9	2.4	0.0	56.0	1
1H	100	-1242	27	6	0	9	107	23.1	34.6	2.3	0.0	57.7	1
1I	100	-4269	-12	36	0	48	147	79.4	73.6	1.3	0.0	153.0	1
1J	100	-4269	10	36	0	48	61	79.4	51.5	1.3	0.0	130.9	1
1K	100	-4269	-12	5	0	-40	147	79.4	67.7	1.0	0.0	147.0	1
1L	100	-4269	10	5	0	-40	61	79.4	45.5	0.9	0.0	124.9	1
1M	100	-239	-12	36	0	48	147	4.4	73.6	1.3	0.0	78.1	1
1N	100	-239	10	36	0	48	61	4.4	51.5	1.3	0.0	55.9	1
1O	100	-239	-12	5	0	-40	147	4.4	67.7	1.0	0.0	72.1	1
1P	100	-239	10	5	0	-40	61	4.4	45.5	0.9	0.0	50.0	1
2	100	-2775	-0	25	0	5	136	51.6	39.1	0.9	0.0	90.6	1
7	100	-2768	-0	25	0	6	136	51.4	39.1	0.9	0.0	90.6	1
8	100	-2846	-1	26	0	5	135	52.9	38.8	1.0	0.0	91.7	1
1A	200	-3266	-71	35	0	-45	41	60.7	44.2	6.0	0.0	104.9	1
1B	200	-3266	-15	35	0	-45	122	60.7	65.2	1.3	0.0	125.9	1
1C	200	-3266	-71	6	0	12	41	60.7	19.7	6.0	0.0	80.4	1
1D	200	-3266	-15	6	0	12	122	60.7	40.7	1.3	0.0	101.4	1
1E	200	-1242	-71	35	0	-45	41	23.1	44.2	6.0	0.0	67.3	1
1F	200	-1242	-15	35	0	-45	122	23.1	65.2	1.3	0.0	88.3	1
1G	200	-1242	-71	6	0	12	41	23.1	19.7	6.0	0.0	42.8	1
1H	200	-1242	-15	6	0	12	122	23.1	40.7	1.3	0.0	63.8	1
1I	200	-4269	-55	36	0	41	128	79.4	63.4	4.6	0.0	142.7	1
1J	200	-4269	-32	36	0	41	35	79.4	39.2	2.7	0.0	118.6	1
1K	200	-4269	-55	5	0	-73	128	79.4	87.9	4.6	0.0	167.2	1
1L	200	-4269	-32	5	0	-73	35	79.4	63.7	2.7	0.0	143.1	1
1M	200	-239	-55	36	0	41	128	4.4	63.4	4.6	0.0	67.8	1
1N	200	-239	-32	36	0	41	35	4.4	39.2	2.7	0.0	43.7	1
1O	200	-239	-55	5	0	-73	128	4.4	87.9	4.6	0.0	92.3	1
1P	200	-239	-32	5	0	-73	35	4.4	63.7	2.7	0.0	68.2	1
2	200	-2775	-55	25	0	-19	108	51.6	42.4	4.7	0.0	94.0	1
7	200	-2768	-55	25	0	-19	108	51.4	42.3	4.7	0.0	93.8	1
8	200	-2846	-56	26	0	-20	107	52.9	42.8	4.7	0.0	95.7	1

ASTA NUM. 7 NI 178 NF 966 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2412	88	18	0	50	-42	44.8	48.5	7.5	0.0	93.3	1	
1B	0	-2412	181	18	0	50	-157	44.8	78.1	15.3	0.0	123.0	1	
1C	0	-2412	88	-61	0	-89	-42	44.8	77.2	7.5	0.0	122.0	1	
1D	0	-2412	181	-61	0	-89	-157	44.8	106.8	15.3	0.0	151.6	1	
1E	0	64	88	18	0	50	-42	1.2	48.5	7.5	0.0	49.7	1	
1F	0	64	181	18	0	50	-157	1.2	78.1	15.3	0.0	79.3	1	
1G	0	64	88	-61	0	-89	-42	1.2	77.2	7.5	0.0	78.3	1	
1H	0	64	181	-61	0	-89	-157	1.2	106.8	15.3	0.0	108.0	1	
1I	0	-2906	96	21	0	35	-64	54.0	42.4	8.2	0.0	96.4	1	
1J	0	-2906	173	21	0	35	-135	54.0	60.8	14.7	0.0	114.8	1	
1K	0	-2906	96	-63	0	-73	-64	54.0	71.0	8.2	0.0	125.0	1	
1L	0	-2906	173	-63	0	-73	-135	54.0	89.4	14.7	0.0	143.4	1	
1M	0	558	96	21	0	35	-64	10.4	42.4	8.2	0.0	52.7	1	
1N	0	558	173	21	0	35	-135	10.4	60.8	14.7	0.0	71.1	1	
1O	0	558	96	-63	0	-73	-64	10.4	71.0	8.2	0.0	81.4	1	
1P	0	558	173	-63	0	-73	-135	10.4	89.4	14.7	0.0	99.8	1	
2	0	-1317	177	-26	0	-22	-134	24.5	51.1	15.0	0.0	75.6	1	
7	0	-1306	177	-26	0	-22	-134	24.3	51.0	15.0	0.0	75.3	1	
8	0	-1405	176	-27	0	-23	-132	26.1	51.5	15.0	0.0	77.6	1	
1A	100	-2412	46	18	0	30	25	44.8	28.9	3.9	0.0	73.7	1	
1B	100	-2412	139	18	0	30	3	44.8	23.3	11.8	0.0	68.1	1	
1C	100	-2412	46	-61	0	-26	25	44.8	25.6	3.9	0.0	70.4	1	
1D	100	-2412	139	-61	0	-26	3	44.8	20.0	11.8	0.0	64.9	1	
1E	100	64	46	18	0	30	25	1.2	28.9	3.9	0.0	30.1	1	
1F	100	64	139	18	0	30	3	1.2	23.3	11.8	0.0	24.5	1	
1G	100	64	46	-61	0	-26	25	1.2	25.6	3.9	0.0	26.8	1	
1H	100	64	139	-61	0	-26	3	1.2	20.0	11.8	0.0	21.2	1	
1I	100	-2906	54	21	0	13	11	54.0	12.8	4.6	0.0	66.8	1	
1J	100	-2906	131	21	0	13	17	54.0	14.2	11.1	0.0	68.2	1	
1K	100	-2906	54	-63	0	-9	11	54.0	9.5	4.6	0.0	63.6	1	
1L	100	-2906	131	-63	0	-9	17	54.0	10.9	11.1	0.0	64.9	1	
1M	100	558	54	21	0	13	11	10.4	12.8	4.6	0.0	23.2	1	
1N	100	558	131	21	0	13	17	10.4	14.2	11.1	0.0	24.6	1	
1O	100	558	54	-63	0	-9	11	10.4	9.5	4.6	0.0	19.9	1	
1P	100	558	131	-63	0	-9	17	10.4	10.9	11.1	0.0	22.6	3	

2	100	-1317	122	-26	0	4	16	24.5	6.8	10.4	0.0	32.5	3
7	100	-1306	122	-26	0	4	16	24.3	6.8	10.4	0.0	32.3	3
8	100	-1405	121	-27	0	3	17	26.1	6.7	10.3	0.0	34.0	3
1A	200	-2412	4	18	0	10	49	44.8	20.1	0.7	0.0	64.9	1
1B	200	-2412	96	18	0	10	121	44.8	38.5	8.2	0.0	83.3	1
1C	200	-2412	4	-61	0	37	49	44.8	40.4	2.3	0.0	85.3	1
1D	200	-2412	96	-61	0	37	121	44.8	58.9	8.2	0.0	103.7	1
1E	200	64	4	18	0	10	49	1.2	20.1	0.7	0.0	21.3	1
1F	200	64	96	18	0	10	121	1.2	38.5	8.2	0.0	39.7	1
1G	200	64	4	-61	0	37	49	1.2	40.4	2.3	0.0	41.6	1
1H	200	64	96	-61	0	37	121	1.2	58.9	8.2	0.0	60.1	1
1I	200	-2906	12	21	0	-8	44	54.0	17.3	1.0	0.0	71.3	1
1J	200	-2906	88	21	0	-8	126	54.0	38.5	7.5	0.0	92.5	1
1K	200	-2906	12	-63	0	55	44	54.0	52.5	2.4	0.0	106.5	1
1L	200	-2906	88	-63	0	55	126	54.0	73.7	7.5	0.0	127.7	1
1M	200	558	12	21	0	-8	44	10.4	17.3	1.0	0.0	27.7	1
1N	200	558	88	21	0	-8	126	10.4	38.5	7.5	0.0	48.9	1
1O	200	558	12	-63	0	55	44	10.4	52.5	2.4	0.0	62.9	1
1P	200	558	88	-63	0	55	126	10.4	73.7	7.5	0.0	84.1	1
2	200	-1317	67	-26	0	29	111	24.5	50.6	5.7	0.0	75.0	1
7	200	-1306	67	-26	0	29	111	24.3	50.5	5.7	0.0	74.8	1
8	200	-1405	67	-27	0	30	111	26.1	50.8	5.6	0.0	76.9	1

ASTA NUM. 8 NI 867 NF 883 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2191	-28	18	0	49	165	40.7	79.1	2.4	0.0	119.8	1	
1B	0	-2191	267	18	0	49	-297	40.7	113.1	22.6	0.0	153.9	1	
1C	0	-2191	-28	-59	0	-85	165	40.7	106.3	2.4	0.0	147.0	1	
1D	0	-2191	267	-59	0	-85	-297	40.7	140.3	22.6	0.0	181.1	1	
1E	0	-411	-28	18	0	49	165	7.6	79.1	2.4	0.0	86.7	1	
1F	0	-411	267	18	0	49	-297	7.6	113.1	22.6	0.0	120.8	1	
1G	0	-411	-28	-59	0	-85	165	7.6	106.3	2.4	0.0	113.9	1	
1H	0	-411	267	-59	0	-85	-297	7.6	140.3	22.6	0.0	148.0	1	
1I	0	-1662	-53	29	0	47	202	30.9	87.4	4.5	0.0	118.3	1	
1J	0	-1662	292	29	0	47	-335	30.9	121.5	24.7	0.0	152.4	1	
1K	0	-1662	-53	-70	0	-84	202	30.9	114.6	4.5	0.0	145.5	1	
1L	0	-1662	292	-70	0	-84	-335	30.9	148.7	24.7	0.0	179.6	1	
1M	0	-940	-53	29	0	47	202	17.5	87.4	4.5	0.0	104.9	1	
1N	0	-940	292	29	0	47	-335	17.5	121.5	24.7	0.0	138.9	1	
1O	0	-940	-53	-70	0	-84	202	17.5	114.6	4.5	0.0	132.1	1	
1P	0	-940	292	-70	0	-84	-335	17.5	148.7	24.7	0.0	166.1	1	
2	0	-1592	151	-26	0	-22	-86	29.6	38.8	12.8	0.0	68.4	1	
7	0	-1583	150	-26	0	-22	-84	29.4	38.5	12.7	0.0	67.9	1	
8	0	-1624	153	-26	0	-23	-87	30.2	39.5	13.0	0.0	69.7	1	
1A	100	-2191	-70	18	0	27	116	40.7	50.2	5.9	0.0	90.9	1	
1B	100	-2191	224	18	0	27	-52	40.7	33.7	19.0	0.0	74.4	1	
1C	100	-2191	-70	-59	0	-22	116	40.7	46.4	5.9	0.0	87.1	1	
1D	100	-2191	224	-59	0	-22	-52	40.7	29.9	19.0	0.0	70.6	1	
1E	100	-411	-70	18	0	27	116	7.6	50.2	5.9	0.0	57.8	1	
1F	100	-411	224	18	0	27	-52	7.6	33.7	19.0	0.0	41.3	1	
1G	100	-411	-70	-59	0	-22	116	7.6	46.4	5.9	0.0	54.0	1	
1H	100	-411	224	-59	0	-22	-52	7.6	29.9	19.0	0.0	37.5	1	
1I	100	-1662	-95	29	0	17	128	30.9	45.8	8.1	0.0	76.7	1	
1J	100	-1662	249	29	0	17	-64	30.9	29.2	21.1	0.0	60.2	1	
1K	100	-1662	-95	-70	0	-12	128	30.9	41.9	8.1	0.0	72.8	1	
1L	100	-1662	249	-70	0	-12	-64	30.9	25.4	21.1	0.0	56.4	3	
1M	100	-940	-95	29	0	17	128	17.5	45.8	8.1	0.0	63.2	1	
1N	100	-940	249	29	0	17	-64	17.5	29.2	21.1	0.0	46.7	1	
1O	100	-940	-95	-70	0	-12	128	17.5	41.9	8.1	0.0	59.4	1	
1P	100	-940	249	-70	0	-12	-64	17.5	25.4	21.1	0.0	46.1	3	
2	100	-1592	96	-26	0	4	38	29.6	12.3	8.1	0.0	41.9	1	
7	100	-1583	95	-26	0	4	38	29.4	12.4	8.1	0.0	41.8	1	
8	100	-1624	98	-26	0	3	39	30.2	12.4	8.3	0.0	42.6	1	
1A	200	-2191	-112	18	0	6	24	40.7	10.5	9.5	0.0	51.2	1	
1B	200	-2191	182	18	0	6	152	40.7	43.2	15.4	0.0	83.9	1	
1C	200	-2191	-112	-59	0	41	24	40.7	37.0	9.5	0.0	77.7	1	
1D	200	-2191	182	-59	0	41	152	40.7	69.7	15.4	0.0	110.5	1	
1E	200	-411	-112	18	0	6	24	7.6	10.5	9.5	0.0	19.8	3	
1F	200	-411	182	18	0	6	152	7.6	43.2	15.4	0.0	50.8	1	
1G	200	-411	-112	-59	0	41	24	7.6	37.0	9.5	0.0	44.6	1	
1H	200	-411	182	-59	0	41	152	7.6	69.7	15.4	0.0	77.4	1	
1I	200	-1662	-137	29	0	-13	12	30.9	12.9	11.6	0.0	43.8	1	
1J	200	-1662	207	29	0	-13	164	30.9	52.1	17.6	0.0	83.0	1	
1K	200	-1662	-137	-70	0	60	12	30.9	47.8	11.6	0.0	78.7	1	
1L	200	-1662	207	-70	0	60	164	30.9	87.0	17.6	0.0	117.9	1	
1M	200	-940	-137	29	0	-13	12	17.5	12.9	11.6	0.0	30.4	1	
1N	200	-940	207	29	0	-13	164	17.5	52.1	17.6	0.0	69.6	1	
1O	200	-940	-137	-70	0	60	12	17.5	47.8	11.6	0.0	65.3	1	
1P	200	-940	207	-70	0	60	164	17.5	87.0	17.6	0.0	104.4	1	
2	200	-1592	41	-26	0	29	106	29.6	49.3	3.5	0.0	78.9	1	
7	200	-1583	40	-26	0	29	106	29.4	49.2	3.4	0.0	78.6	1	
8	200	-1624	43	-26	0	30	109	30.2	50.3	3.6	0.0	80.4	1	

ASTA NUM. 9 NI 883 NF 887 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.

qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-2952	-15	37	0	46	150	54.9	73.1	1.4	0.0	128.0	1	
1B	0	-2952	72	37	0	46	25	54.9	41.0	6.1	0.0	95.9	1	
1C	0	-2952	-15	4	0	3	150	54.9	40.6	1.3	0.0	95.4	1	
1D	0	-2952	72	4	0	3	25	54.9	8.4	6.1	0.0	63.3	1	
1E	0	-1746	-15	37	0	46	150	32.4	73.1	1.4	0.0	105.6	1	
1F	0	-1746	72	37	0	46	25	32.4	41.0	6.1	0.0	73.4	1	
1G	0	-1746	-15	4	0	3	150	32.4	40.6	1.3	0.0	73.0	1	
1H	0	-1746	72	4	0	3	25	32.4	8.4	6.1	0.0	40.9	1	
1I	0	-2700	10	35	0	60	161	50.2	86.3	1.3	0.0	136.5	1	
1J	0	-2700	46	35	0	60	14	50.2	48.4	3.9	0.0	98.6	1	
1K	0	-2700	10	6	0	-11	161	50.2	49.8	0.9	0.0	100.0	1	
1L	0	-2700	46	6	0	-11	14	50.2	11.9	3.9	0.0	62.1	1	
1M	0	-1998	10	35	0	60	161	37.1	86.3	1.3	0.0	123.4	1	
1N	0	-1998	46	35	0	60	14	37.1	48.4	3.9	0.0	85.5	1	
1O	0	-1998	10	6	0	-11	161	37.1	49.8	0.9	0.0	86.9	1	
1P	0	-1998	46	6	0	-11	14	37.1	11.9	3.9	0.0	49.0	1	
2	0	-2928	38	25	0	31	106	54.4	50.2	3.2	0.0	104.6	1	
7	0	-2919	38	25	0	31	105	54.3	50.1	3.2	0.0	104.3	1	
8	0	-2968	37	26	0	31	108	55.2	51.1	3.2	0.0	106.3	1	
1A	100	-2952	-57	37	0	-0	99	54.9	25.7	4.9	0.0	80.6	1	
1B	100	-2952	29	37	0	-0	91	54.9	23.7	2.5	0.0	78.6	1	
1C	100	-2952	-57	4	0	9	99	54.9	31.8	4.9	0.0	86.7	1	
1D	100	-2952	29	4	0	9	91	54.9	29.8	2.5	0.0	84.7	1	
1E	100	-1746	-57	37	0	-0	99	32.4	25.7	4.9	0.0	58.2	1	
1F	100	-1746	29	37	0	-0	91	32.4	23.7	2.5	0.0	56.2	1	
1G	100	-1746	-57	4	0	9	99	32.4	31.8	4.9	0.0	64.3	1	
1H	100	-1746	29	4	0	9	91	32.4	29.8	2.5	0.0	62.2	1	
1I	100	-2700	-32	35	0	50	162	50.2	79.5	2.7	0.0	129.7	1	
1J	100	-2700	4	35	0	50	27	50.2	44.7	1.3	0.0	94.9	1	
1K	100	-2700	-32	6	0	-42	162	50.2	73.5	2.7	0.0	123.7	1	
1L	100	-2700	4	6	0	-42	27	50.2	38.6	0.3	0.0	88.8	1	
1M	100	-1998	-32	35	0	50	162	37.1	79.5	2.7	0.0	116.7	1	
1N	100	-1998	4	35	0	50	27	37.1	44.7	1.3	0.0	81.8	1	
1O	100	-1998	-32	6	0	-42	162	37.1	73.5	2.7	0.0	110.6	1	
1P	100	-1998	4	6	0	-42	27	37.1	38.6	0.3	0.0	75.7	1	
2	100	-2928	-17	25	0	6	116	54.4	34.1	1.5	0.0	88.6	1	
7	100	-2919	-17	25	0	6	115	54.3	34.1	1.5	0.0	88.3	1	
8	100	-2968	-18	26	0	6	118	55.2	34.5	1.5	0.0	89.7	1	
1A	200	-2952	-100	37	0	-47	5	54.9	36.5	8.5	0.0	91.4	1	
1B	200	-2952	-13	37	0	-47	114	54.9	64.6	1.4	0.0	119.5	1	
1C	200	-2952	-100	4	0	15	5	54.9	12.2	8.5	0.0	67.1	1	
1D	200	-2952	-13	4	0	15	114	54.9	40.3	1.1	0.0	95.1	1	
1E	200	-1746	-100	37	0	-47	5	32.4	36.5	8.5	0.0	69.0	1	
1F	200	-1746	-13	37	0	-47	114	32.4	64.6	1.4	0.0	97.0	1	
1G	200	-1746	-100	4	0	15	5	32.4	12.2	8.5	0.0	44.7	1	
1H	200	-1746	-13	4	0	15	114	32.4	40.3	1.1	0.0	72.7	1	
1I	200	-2700	-74	35	0	41	121	50.2	61.9	6.3	0.0	112.1	1	
1J	200	-2700	-38	35	0	41	-2	50.2	31.3	3.2	0.0	81.5	1	
1K	200	-2700	-74	6	0	-73	121	50.2	86.3	6.3	0.0	136.4	1	
1L	200	-2700	-38	6	0	-73	-2	50.2	55.6	3.2	0.0	105.8	1	
1M	200	-1998	-74	35	0	41	121	37.1	61.9	6.3	0.0	99.1	1	
1N	200	-1998	-38	35	0	41	-2	37.1	31.3	3.2	0.0	68.4	1	
1O	200	-1998	-74	6	0	-73	121	37.1	86.3	6.3	0.0	123.4	1	
1P	200	-1998	-38	6	0	-73	-2	37.1	55.6	3.2	0.0	92.7	1	
2	200	-2928	-72	25	0	-19	71	54.4	32.6	6.1	0.0	87.1	1	
7	200	-2919	-72	25	0	-19	71	54.3	32.4	6.1	0.0	86.7	1	
8	200	-2968	-72	26	0	-20	73	55.2	33.8	6.1	0.0	89.0	1	

ASTA NUM. 10 NI 887 NF 868 Lungh. 200.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1936	-153	28	0	10	115	36.0	37.4	13.0	0.0	73.4	1	
1B	0	-1936	120	28	0	10	6	36.0	9.2	10.1	0.0	45.1	1	
1C	0	-1936	-153	-53	0	-43	115	36.0	61.5	13.0	0.0	97.5	1	
1D	0	-1936	120	-53	0	-43	6	36.0	33.3	10.1	0.0	69.3	1	
1E	0	-660	-153	28	0	10	115	12.3	37.4	13.0	0.0	49.7	1	
1F	0	-660	120	28	0	10	6	12.3	9.2	10.1	0.0	21.6	4	
1G	0	-660	-153	-53	0	-43	115	12.3	61.5	13.0	0.0	73.8	1	
1H	0	-660	120	-53	0	-43	6	12.3	33.3	10.1	0.0	45.6	1	
1I	0	-2206	-181	59	0	43	126	41.0	64.3	15.3	0.0	105.3	1	
1J	0	-2206	148	59	0	43	-5	41.0	33.1	12.5	0.0	74.1	1	
1K	0	-2206	-181	-84	0	-75	126	41.0	88.4	15.3	0.0	129.4	1	
1L	0	-2206	148	-84	0	-75	-5	41.0	57.3	12.5	0.0	98.3	1	
1M	0	-390	-181	59	0	43	126	7.2	64.3	15.3	0.0	71.5	1	
1N	0	-390	148	59	0	43	-5	7.2	33.1	12.5	0.0	40.4	1	
1O	0	-390	-181	-84	0	-75	126	7.2	88.4	15.3	0.0	95.7	1	
1P	0	-390	148	-84	0	-75	-5	7.2	57.3	12.5	0.0	64.5	1	
2	0	-1582	-19	-14	0	-19	72	29.4	32.7	1.6	0.0	62.1	1	
7	0	-1573	-18	-14	0	-19	72	29.2	32.5	1.5	0.0	61.8	1	
8	0	-1617	-20	-15	0	-20	74	30.1	34.0	1.7	0.0	64.0	1	

1A	100	-1936	-195	28	0	-24	-59	36.0	33.0	16.5	0.0	69.0	1
1B	100	-1936	77	28	0	-24	104	36.0	44.8	6.6	0.0	80.7	1
1C	100	-1936	-195	-53	0	17	-59	36.0	27.7	16.5	0.0	63.7	1
1D	100	-1936	77	-53	0	17	104	36.0	39.4	6.6	0.0	75.4	1
1E	100	-660	-195	28	0	-24	-59	12.3	33.0	16.5	0.0	45.3	1
1F	100	-660	77	28	0	-24	104	12.3	44.8	6.6	0.0	57.0	1
1G	100	-660	-195	-53	0	17	-59	12.3	27.7	16.5	0.0	40.0	1
1H	100	-660	77	-53	0	17	104	12.3	39.4	6.6	0.0	51.7	1
1I	100	-2206	-223	59	0	-18	-76	41.0	33.1	18.9	0.0	74.1	1
1J	100	-2206	106	59	0	-18	122	41.0	44.8	8.9	0.0	85.8	1
1K	100	-2206	-223	-84	0	11	-76	41.0	27.7	18.9	0.0	68.7	1
1L	100	-2206	106	-84	0	11	122	41.0	39.4	8.9	0.0	80.5	1
1M	100	-390	-223	59	0	-18	-76	7.2	33.1	18.9	0.0	40.3	1
1N	100	-390	106	59	0	-18	122	7.2	44.8	8.9	0.0	52.1	1
1O	100	-390	-223	-84	0	11	-76	7.2	27.7	18.9	0.0	38.7	3
1P	100	-390	106	-84	0	11	122	7.2	39.4	8.9	0.0	46.7	1
2	100	-1582	-74	-14	0	-5	26	29.4	10.3	6.2	0.0	39.7	1
7	100	-1573	-73	-14	0	-5	26	29.2	10.5	6.2	0.0	39.7	1
8	100	-1617	-75	-15	0	-5	27	30.1	10.5	6.4	0.0	40.5	1
1A	200	-1936	-237	28	0	-58	-275	36.0	114.4	20.1	0.0	150.3	1
1B	200	-1936	35	28	0	-58	161	36.0	84.9	3.0	0.0	120.9	1
1C	200	-1936	-237	-53	0	76	-275	36.0	127.8	20.1	0.0	163.7	1
1D	200	-1936	35	-53	0	76	161	36.0	98.3	3.0	0.0	134.3	1
1E	200	-660	-237	28	0	-58	-275	12.3	114.4	20.1	0.0	126.6	1
1F	200	-660	35	28	0	-58	161	12.3	84.9	3.0	0.0	97.2	1
1G	200	-660	-237	-53	0	76	-275	12.3	127.8	20.1	0.0	140.0	1
1H	200	-660	35	-53	0	76	161	12.3	98.3	3.0	0.0	110.6	1
1I	200	-2206	-265	59	0	-79	-321	41.0	141.4	22.5	0.0	182.4	1
1J	200	-2206	63	59	0	-79	206	41.0	111.9	5.4	0.0	152.9	1
1K	200	-2206	-265	-84	0	96	-321	41.0	154.7	22.5	0.0	195.8	1
1L	200	-2206	63	-84	0	96	206	41.0	125.3	5.4	0.0	166.3	1
1M	200	-390	-265	59	0	-79	-321	7.2	141.4	22.5	0.0	148.6	1
1N	200	-390	63	59	0	-79	206	7.2	111.9	5.4	0.0	119.1	1
1O	200	-390	-265	-84	0	96	-321	7.2	154.7	22.5	0.0	162.0	1
1P	200	-390	63	-84	0	96	206	7.2	125.3	5.4	0.0	132.5	1
2	200	-1582	-128	-14	0	9	-75	29.4	26.3	10.9	0.0	55.7	1
7	200	-1573	-128	-14	0	9	-74	29.2	25.7	10.8	0.0	55.0	1
8	200	-1617	-130	-15	0	10	-76	30.1	27.1	11.0	0.0	57.2	1

ASTA NUM. 11 NI 879 NF 868 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	1050	4	3	0	0	0								Tipo di acciaio non contemplato
1B	0	1050	6	3	0	0	-2								Tipo di acciaio non contemplato
1C	0	1050	4	-2	0	0	0								Tipo di acciaio non contemplato
1D	0	1050	6	-2	0	0	-2								Tipo di acciaio non contemplato
1E	0	2722	4	3	0	0	0								Tipo di acciaio non contemplato
1F	0	2722	6	3	0	0	-2								Tipo di acciaio non contemplato
1G	0	2722	4	-2	0	0	0								Tipo di acciaio non contemplato
1H	0	2722	6	-2	0	0	-2								Tipo di acciaio non contemplato
1I	0	499	5	4	0	0	0								Tipo di acciaio non contemplato
1J	0	499	5	4	0	0	-1								Tipo di acciaio non contemplato
1K	0	499	5	-3	0	-1	0								Tipo di acciaio non contemplato
1L	0	499	5	-3	0	-1	-1								Tipo di acciaio non contemplato
1M	0	3273	5	4	0	0	0								Tipo di acciaio non contemplato
1N	0	3273	5	4	0	0	-1								Tipo di acciaio non contemplato
1O	0	3273	5	-3	0	-1	0								Tipo di acciaio non contemplato
1P	0	3273	5	-3	0	-1	-1								Tipo di acciaio non contemplato
2	0	2250	6	1	0	0	0								Tipo di acciaio non contemplato
7	0	2237	6	1	0	0	0								Tipo di acciaio non contemplato
8	0	2315	6	1	0	0	0								Tipo di acciaio non contemplato
1A	73	1054	-1	3	0	-2	1								Tipo di acciaio non contemplato
1B	73	1054	1	3	0	-2	0								Tipo di acciaio non contemplato
1C	73	1054	-1	-2	0	0	1								Tipo di acciaio non contemplato
1D	73	1054	1	-2	0	0	0								Tipo di acciaio non contemplato
1E	73	2727	-1	3	0	-2	1								Tipo di acciaio non contemplato
1F	73	2727	1	3	0	-2	0								Tipo di acciaio non contemplato
1G	73	2727	-1	-2	0	0	1								Tipo di acciaio non contemplato
1H	73	2727	1	-2	0	0	0								Tipo di acciaio non contemplato
1I	73	503	-0	4	0	-2	1								Tipo di acciaio non contemplato
1J	73	503	0	4	0	-2	1								Tipo di acciaio non contemplato
1K	73	503	-0	-3	0	1	1								Tipo di acciaio non contemplato
1L	73	503	0	-3	0	1	1								Tipo di acciaio non contemplato
1M	73	3278	-0	4	0	-2	1								Tipo di acciaio non contemplato
1N	73	3278	0	4	0	-2	1								Tipo di acciaio non contemplato
1O	73	3278	-0	-3	0	1	1								Tipo di acciaio non contemplato
1P	73	3278	0	-3	0	1	1								Tipo di acciaio non contemplato
2	73	2256	0	1	0	0	2								Tipo di acciaio non contemplato
7	73	2242	0	1	0	0	2								Tipo di acciaio non contemplato
8	73	2320	0	1	0	0	2								Tipo di acciaio non contemplato
1A	147	1059	-6	3	0	-4	0								Tipo di acciaio non contemplato
1B	147	1059	-4	3	0	-4	0								Tipo di acciaio non contemplato
1C	147	1059	-6	-2	0	2	0								Tipo di acciaio non contemplato
1D	147	1059	-4	-2	0	2	0								Tipo di acciaio non contemplato
1E	147	2731	-6	3	0	-4	0								Tipo di acciaio non contemplato
1F	147	2731	-4	3	0	-4	0								Tipo di acciaio non contemplato

1G	147	2731	-6	-2	0	2	0							Tipo di acciaio non contemplato
1H	147	2731	-4	-2	0	2	0							Tipo di acciaio non contemplato
1I	147	508	-5	4	0	-6	0							Tipo di acciaio non contemplato
1J	147	508	-4	4	0	-6	0							Tipo di acciaio non contemplato
1K	147	508	-5	-3	0	4	0							Tipo di acciaio non contemplato
1L	147	508	-4	-3	0	4	0							Tipo di acciaio non contemplato
1M	147	3282	-5	4	0	-6	0							Tipo di acciaio non contemplato
1N	147	3282	-4	4	0	-6	0							Tipo di acciaio non contemplato
1O	147	3282	-5	-3	0	4	0							Tipo di acciaio non contemplato
1P	147	3282	-4	-3	0	4	0							Tipo di acciaio non contemplato
2	147	2261	-6	1	0	-1	0							Tipo di acciaio non contemplato
7	147	2248	-6	1	0	-1	0							Tipo di acciaio non contemplato
8	147	2326	-6	1	0	-1	0							Tipo di acciaio non contemplato

ASTA NUM. 12 NI 887 NF 879 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2007	5	1	0	2	0								Tipo di acciaio non contemplato
1B	0	-2007	8	1	0	2	-2								Tipo di acciaio non contemplato
1C	0	-2007	5	-3	0	-3	0								Tipo di acciaio non contemplato
1D	0	-2007	8	-3	0	-3	-2								Tipo di acciaio non contemplato
1E	0	354	5	1	0	2	0								Tipo di acciaio non contemplato
1F	0	354	8	1	0	2	-2								Tipo di acciaio non contemplato
1G	0	354	5	-3	0	-3	0								Tipo di acciaio non contemplato
1H	0	354	8	-3	0	-3	-2								Tipo di acciaio non contemplato
1I	0	-1237	4	4	0	3	0								Tipo di acciaio non contemplato
1J	0	-1237	9	4	0	3	-3								Tipo di acciaio non contemplato
1K	0	-1237	4	-6	0	-5	0								Tipo di acciaio non contemplato
1L	0	-1237	9	-6	0	-5	-3								Tipo di acciaio non contemplato
1M	0	-417	4	4	0	3	0								Tipo di acciaio non contemplato
1N	0	-417	9	4	0	3	-3								Tipo di acciaio non contemplato
1O	0	-417	4	-6	0	-5	0								Tipo di acciaio non contemplato
1P	0	-417	9	-6	0	-5	-3								Tipo di acciaio non contemplato
2	0	-1049	8	-1	0	-1	-1								Tipo di acciaio non contemplato
7	0	-1047	8	-1	0	-1	-1								Tipo di acciaio non contemplato
8	0	-1056	8	-1	0	-1	-1								Tipo di acciaio non contemplato
1A	73	-2012	-0	1	0	0	2								Tipo di acciaio non contemplato
1B	73	-2012	3	1	0	0	2								Tipo di acciaio non contemplato
1C	73	-2012	-0	-3	0	0	2								Tipo di acciaio non contemplato
1D	73	-2012	3	-3	0	0	2								Tipo di acciaio non contemplato
1E	73	349	-0	1	0	0	2								Tipo di acciaio non contemplato
1F	73	349	3	1	0	0	2								Tipo di acciaio non contemplato
1G	73	349	-0	-3	0	0	2								Tipo di acciaio non contemplato
1H	73	349	3	-3	0	0	2								Tipo di acciaio non contemplato
1I	73	-1241	-1	4	0	0	2								Tipo di acciaio non contemplato
1J	73	-1241	4	4	0	0	2								Tipo di acciaio non contemplato
1K	73	-1241	-1	-6	0	0	2								Tipo di acciaio non contemplato
1L	73	-1241	4	-6	0	0	2								Tipo di acciaio non contemplato
1M	73	-421	-1	4	0	0	2								Tipo di acciaio non contemplato
1N	73	-421	4	4	0	0	2								Tipo di acciaio non contemplato
1O	73	-421	-1	-6	0	0	2								Tipo di acciaio non contemplato
1P	73	-421	4	-6	0	0	2								Tipo di acciaio non contemplato
2	73	-1054	2	-1	0	0	2								Tipo di acciaio non contemplato
7	73	-1052	2	-1	0	0	2								Tipo di acciaio non contemplato
8	73	-1062	2	-1	0	0	2								Tipo di acciaio non contemplato
1A	147	-2016	-5	1	0	-1	0								Tipo di acciaio non contemplato
1B	147	-2016	-2	1	0	-1	3								Tipo di acciaio non contemplato
1C	147	-2016	-5	-3	0	2	0								Tipo di acciaio non contemplato
1D	147	-2016	-2	-3	0	2	3								Tipo di acciaio non contemplato
1E	147	345	-5	1	0	-1	0								Tipo di acciaio non contemplato
1F	147	345	-2	1	0	-1	3								Tipo di acciaio non contemplato
1G	147	345	-5	-3	0	2	0								Tipo di acciaio non contemplato
1H	147	345	-2	-3	0	2	3								Tipo di acciaio non contemplato
1I	147	-1246	-6	4	0	-3	0								Tipo di acciaio non contemplato
1J	147	-1246	-1	4	0	-3	3								Tipo di acciaio non contemplato
1K	147	-1246	-6	-6	0	4	0								Tipo di acciaio non contemplato
1L	147	-1246	-1	-6	0	4	3								Tipo di acciaio non contemplato
1M	147	-426	-6	4	0	-3	0								Tipo di acciaio non contemplato
1N	147	-426	-1	4	0	-3	3								Tipo di acciaio non contemplato
1O	147	-426	-6	-6	0	4	0								Tipo di acciaio non contemplato
1P	147	-426	-1	-6	0	4	3								Tipo di acciaio non contemplato
2	147	-1060	-4	-1	0	0	1								Tipo di acciaio non contemplato
7	147	-1058	-4	-1	0	0	1								Tipo di acciaio non contemplato
8	147	-1068	-4	-1	0	0	1								Tipo di acciaio non contemplato

ASTA NUM. 13 NI 875 NF 887 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-355	2	4	0	3	3								Tipo di acciaio non contemplato
1B	0	-355	6	4	0	3	0								Tipo di acciaio non contemplato

1C	0	-355	2	-0	0	-1	3	Tipo di acciaio non contemplato
1D	0	-355	6	-0	0	-1	0	Tipo di acciaio non contemplato
1E	0	1764	2	4	0	3	3	Tipo di acciaio non contemplato
1F	0	1764	6	4	0	3	0	Tipo di acciaio non contemplato
1G	0	1764	2	-0	0	-1	3	Tipo di acciaio non contemplato
1H	0	1764	6	-0	0	-1	0	Tipo di acciaio non contemplato
1I	0	179	-0	7	0	4	3	Tipo di acciaio non contemplato
1J	0	179	8	7	0	4	-1	Tipo di acciaio non contemplato
1K	0	179	-0	-3	0	-2	3	Tipo di acciaio non contemplato
1L	0	179	8	-3	0	-2	-1	Tipo di acciaio non contemplato
1M	0	1231	-0	7	0	4	3	Tipo di acciaio non contemplato
1N	0	1231	8	7	0	4	-1	Tipo di acciaio non contemplato
1O	0	1231	-0	-3	0	-2	3	Tipo di acciaio non contemplato
1P	0	1231	8	-3	0	-2	-1	Tipo di acciaio non contemplato
2	0	884	5	3	0	1	1	Tipo di acciaio non contemplato
7	0	881	5	3	0	1	1	Tipo di acciaio non contemplato
8	0	894	5	2	0	1	1	Tipo di acciaio non contemplato
1A	73	-350	-3	4	0	0	2	Tipo di acciaio non contemplato
1B	73	-350	1	4	0	0	2	Tipo di acciaio non contemplato
1C	73	-350	-3	-0	0	0	2	Tipo di acciaio non contemplato
1D	73	-350	1	-0	0	0	2	Tipo di acciaio non contemplato
1E	73	1769	-3	4	0	0	2	Tipo di acciaio non contemplato
1F	73	1769	1	4	0	0	2	Tipo di acciaio non contemplato
1G	73	1769	-3	-0	0	0	2	Tipo di acciaio non contemplato
1H	73	1769	1	-0	0	0	2	Tipo di acciaio non contemplato
1I	73	183	-5	7	0	0	0	Tipo di acciaio non contemplato
1J	73	183	3	7	0	0	3	Tipo di acciaio non contemplato
1K	73	183	-5	-3	0	0	0	Tipo di acciaio non contemplato
1L	73	183	3	-3	0	0	3	Tipo di acciaio non contemplato
1M	73	1235	-5	7	0	0	0	Tipo di acciaio non contemplato
1N	73	1235	3	7	0	0	3	Tipo di acciaio non contemplato
1O	73	1235	-5	-3	0	0	0	Tipo di acciaio non contemplato
1P	73	1235	3	-3	0	0	3	Tipo di acciaio non contemplato
2	73	890	-1	3	0	0	2	Tipo di acciaio non contemplato
7	73	886	-1	3	0	0	2	Tipo di acciaio non contemplato
8	73	900	-1	2	0	0	2	Tipo di acciaio non contemplato
1A	147	-346	-8	4	0	-4	-2	Tipo di acciaio non contemplato
1B	147	-346	-4	4	0	-4	0	Tipo di acciaio non contemplato
1C	147	-346	-8	-0	0	0	-2	Tipo di acciaio non contemplato
1D	147	-346	-4	-0	0	0	0	Tipo di acciaio non contemplato
1E	147	1773	-8	4	0	-4	-2	Tipo di acciaio non contemplato
1F	147	1773	-4	4	0	-4	0	Tipo di acciaio non contemplato
1G	147	1773	-8	-0	0	0	-2	Tipo di acciaio non contemplato
1H	147	1773	-4	-0	0	0	0	Tipo di acciaio non contemplato
1I	147	188	-10	7	0	-6	-5	Tipo di acciaio non contemplato
1J	147	188	-2	7	0	-6	3	Tipo di acciaio non contemplato
1K	147	188	-10	-3	0	3	-5	Tipo di acciaio non contemplato
1L	147	188	-2	-3	0	3	3	Tipo di acciaio non contemplato
1M	147	1240	-10	7	0	-6	-5	Tipo di acciaio non contemplato
1N	147	1240	-2	7	0	-6	3	Tipo di acciaio non contemplato
1O	147	1240	-10	-3	0	3	-5	Tipo di acciaio non contemplato
1P	147	1240	-2	-3	0	3	3	Tipo di acciaio non contemplato
2	147	896	-8	3	0	-2	-1	Tipo di acciaio non contemplato
7	147	892	-8	3	0	-2	-1	Tipo di acciaio non contemplato
8	147	905	-8	2	0	-2	0	Tipo di acciaio non contemplato

ASTA NUM. 14 NI 883 NF 875 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-249	4	1	0	2	1								Tipo di acciaio non contemplato
1B	0	-249	7	1	0	2	-2								Tipo di acciaio non contemplato
1C	0	-249	4	-3	0	-4	1								Tipo di acciaio non contemplato
1D	0	-249	7	-3	0	-4	-2								Tipo di acciaio non contemplato
1E	0	1777	4	1	0	2	1								Tipo di acciaio non contemplato
1F	0	1777	7	1	0	2	-2								Tipo di acciaio non contemplato
1G	0	1777	4	-3	0	-4	1								Tipo di acciaio non contemplato
1H	0	1777	7	-3	0	-4	-2								Tipo di acciaio non contemplato
1I	0	277	2	4	0	4	4								Tipo di acciaio non contemplato
1J	0	277	9	4	0	4	-4								Tipo di acciaio non contemplato
1K	0	277	2	-6	0	-6	4								Tipo di acciaio non contemplato
1L	0	277	9	-6	0	-6	-4								Tipo di acciaio non contemplato
1M	0	1251	2	4	0	4	4								Tipo di acciaio non contemplato
1N	0	1251	9	4	0	4	-4								Tipo di acciaio non contemplato
1O	0	1251	2	-6	0	-6	4								Tipo di acciaio non contemplato
1P	0	1251	9	-6	0	-6	-4								Tipo di acciaio non contemplato
2	0	968	7	-2	0	-2	0								Tipo di acciaio non contemplato
7	0	967	7	-2	0	-2	0								Tipo di acciaio non contemplato
8	0	976	7	-2	0	-2	0								Tipo di acciaio non contemplato
1A	73	-253	-1	1	0	0	2								Tipo di acciaio non contemplato
1B	73	-253	2	1	0	0	2								Tipo di acciaio non contemplato
1C	73	-253	-1	-3	0	0	2								Tipo di acciaio non contemplato
1D	73	-253	2	-3	0	0	2								Tipo di acciaio non contemplato
1E	73	1772	-1	1	0	0	2								Tipo di acciaio non contemplato
1F	73	1772	2	1	0	0	2								Tipo di acciaio non contemplato
1G	73	1772	-1	-3	0	0	2								Tipo di acciaio non contemplato
1H	73	1772	2	-3	0	0	2								Tipo di acciaio non contemplato
1I	73	272	-3	4	0	0	3								Tipo di acciaio non contemplato

1J	73	272	5	4	0	0	0		Tipo di acciaio non contemplato
1K	73	272	-3	-6	0	-1	3		Tipo di acciaio non contemplato
1L	73	272	5	-6	0	-1	0		Tipo di acciaio non contemplato
1M	73	1247	-3	4	0	0	3		Tipo di acciaio non contemplato
1N	73	1247	5	4	0	0	0		Tipo di acciaio non contemplato
1O	73	1247	-3	-6	0	-1	3		Tipo di acciaio non contemplato
1P	73	1247	5	-6	0	-1	0		Tipo di acciaio non contemplato
2	73	963	1	-2	0	0	2		Tipo di acciaio non contemplato
7	73	961	1	-2	0	0	2		Tipo di acciaio non contemplato
8	73	970	1	-2	0	0	2		Tipo di acciaio non contemplato
1A	147	-258	-6	1	0	-1	-1		Tipo di acciaio non contemplato
1B	147	-258	-3	1	0	-1	2		Tipo di acciaio non contemplato
1C	147	-258	-6	-3	0	2	-1		Tipo di acciaio non contemplato
1D	147	-258	-3	-3	0	2	2		Tipo di acciaio non contemplato
1E	147	1768	-6	1	0	-1	-1		Tipo di acciaio non contemplato
1F	147	1768	-3	1	0	-1	2		Tipo di acciaio non contemplato
1G	147	1768	-6	-3	0	2	-1		Tipo di acciaio non contemplato
1H	147	1768	-3	-3	0	2	2		Tipo di acciaio non contemplato
1I	147	268	-8	4	0	-3	-2		Tipo di acciaio non contemplato
1J	147	268	-0	4	0	-3	3		Tipo di acciaio non contemplato
1K	147	268	-8	-6	0	4	-2		Tipo di acciaio non contemplato
1L	147	268	-0	-6	0	4	3		Tipo di acciaio non contemplato
1M	147	1242	-8	4	0	-3	-2		Tipo di acciaio non contemplato
1N	147	1242	-0	4	0	-3	3		Tipo di acciaio non contemplato
1O	147	1242	-8	-6	0	4	-2		Tipo di acciaio non contemplato
1P	147	1242	-0	-6	0	4	3		Tipo di acciaio non contemplato
2	147	957	-5	-2	0	0	0		Tipo di acciaio non contemplato
7	147	955	-5	-2	0	0	0		Tipo di acciaio non contemplato
8	147	964	-5	-2	0	0	0		Tipo di acciaio non contemplato

ASTA NUM. 15 NI 871 NF 883 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1937	2	2	0	2	3								Tipo di acciaio non contemplato
1B	0	-1937	5	2	0	2	0								Tipo di acciaio non contemplato
1C	0	-1937	2	-2	0	-2	3								Tipo di acciaio non contemplato
1D	0	-1937	5	-2	0	-2	0								Tipo di acciaio non contemplato
1E	0	366	2	2	0	2	3								Tipo di acciaio non contemplato
1F	0	366	5	2	0	2	0								Tipo di acciaio non contemplato
1G	0	366	2	-2	0	-2	3								Tipo di acciaio non contemplato
1H	0	366	5	-2	0	-2	0								Tipo di acciaio non contemplato
1I	0	-1193	1	5	0	4	3								Tipo di acciaio non contemplato
1J	0	-1193	6	5	0	4	-1								Tipo di acciaio non contemplato
1K	0	-1193	1	-5	0	-3	3								Tipo di acciaio non contemplato
1L	0	-1193	6	-5	0	-3	-1								Tipo di acciaio non contemplato
1M	0	-377	1	5	0	4	3								Tipo di acciaio non contemplato
1N	0	-377	6	5	0	4	-1								Tipo di acciaio non contemplato
1O	0	-377	1	-5	0	-3	3								Tipo di acciaio non contemplato
1P	0	-377	6	-5	0	-3	-1								Tipo di acciaio non contemplato
2	0	-1007	5	0	0	0	1								Tipo di acciaio non contemplato
7	0	-1007	5	0	0	0	1								Tipo di acciaio non contemplato
8	0	-1010	5	0	0	0	1								Tipo di acciaio non contemplato
1A	73	-1932	-2	2	0	0	2								Tipo di acciaio non contemplato
1B	73	-1932	0	2	0	0	2								Tipo di acciaio non contemplato
1C	73	-1932	-2	-2	0	0	2								Tipo di acciaio non contemplato
1D	73	-1932	0	-2	0	0	2								Tipo di acciaio non contemplato
1E	73	371	-2	2	0	0	2								Tipo di acciaio non contemplato
1F	73	371	0	2	0	0	2								Tipo di acciaio non contemplato
1G	73	371	-2	-2	0	0	2								Tipo di acciaio non contemplato
1H	73	371	0	-2	0	0	2								Tipo di acciaio non contemplato
1I	73	-1189	-3	5	0	0	2								Tipo di acciaio non contemplato
1J	73	-1189	1	5	0	0	2								Tipo di acciaio non contemplato
1K	73	-1189	-3	-5	0	0	2								Tipo di acciaio non contemplato
1L	73	-1189	1	-5	0	0	2								Tipo di acciaio non contemplato
1M	73	-373	-3	5	0	0	2								Tipo di acciaio non contemplato
1N	73	-373	1	5	0	0	2								Tipo di acciaio non contemplato
1O	73	-373	-3	-5	0	0	2								Tipo di acciaio non contemplato
1P	73	-373	1	-5	0	0	2								Tipo di acciaio non contemplato
2	73	-1001	-1	0	0	0	2								Tipo di acciaio non contemplato
7	73	-1001	-1	0	0	0	2								Tipo di acciaio non contemplato
8	73	-1004	-1	0	0	0	2								Tipo di acciaio non contemplato
1A	147	-1928	-7	2	0	-2	-2								Tipo di acciaio non contemplato
1B	147	-1928	-5	2	0	-2	0								Tipo di acciaio non contemplato
1C	147	-1928	-7	-2	0	2	-2								Tipo di acciaio non contemplato
1D	147	-1928	-5	-2	0	2	0								Tipo di acciaio non contemplato
1E	147	375	-7	2	0	-2	-2								Tipo di acciaio non contemplato
1F	147	375	-5	2	0	-2	0								Tipo di acciaio non contemplato
1G	147	375	-7	-2	0	2	-2								Tipo di acciaio non contemplato
1H	147	375	-5	-2	0	2	0								Tipo di acciaio non contemplato
1I	147	-1184	-8	5	0	-4	-2								Tipo di acciaio non contemplato
1J	147	-1184	-3	5	0	-4	0								Tipo di acciaio non contemplato
1K	147	-1184	-8	-5	0	4	-2								Tipo di acciaio non contemplato
1L	147	-1184	-3	-5	0	4	0								Tipo di acciaio non contemplato
1M	147	-369	-8	5	0	-4	-2								Tipo di acciaio non contemplato
1N	147	-369	-3	5	0	-4	0								Tipo di acciaio non contemplato
1O	147	-369	-8	-5	0	4	-2								Tipo di acciaio non contemplato
1P	147	-369	-3	-5	0	4	0								Tipo di acciaio non contemplato

2	147	-996	-8	0	0	0	0							Tipo di acciaio non contemplato
7	147	-996	-8	0	0	0	0							Tipo di acciaio non contemplato
8	147	-999	-8	0	0	0	0							Tipo di acciaio non contemplato

ASTA NUM. 16 NI 867 NF 871 Lungh. 147.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0650 0.0650 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	974	4	2	0	2	0								Tipo di acciaio non contemplato
1B	0	974	6	2	0	2	0								Tipo di acciaio non contemplato
1C	0	974	4	-3	0	-4	0								Tipo di acciaio non contemplato
1D	0	974	6	-3	0	-4	0								Tipo di acciaio non contemplato
1E	0	2742	4	2	0	2	0								Tipo di acciaio non contemplato
1F	0	2742	6	2	0	2	0								Tipo di acciaio non contemplato
1G	0	2742	4	-3	0	-4	0								Tipo di acciaio non contemplato
1H	0	2742	6	-3	0	-4	0								Tipo di acciaio non contemplato
1I	0	439	4	3	0	4	0								Tipo di acciaio non contemplato
1J	0	439	5	3	0	4	0								Tipo di acciaio non contemplato
1K	0	439	4	-4	0	-5	0								Tipo di acciaio non contemplato
1L	0	439	5	-4	0	-5	0								Tipo di acciaio non contemplato
1M	0	3277	4	3	0	4	0								Tipo di acciaio non contemplato
1N	0	3277	5	3	0	4	0								Tipo di acciaio non contemplato
1O	0	3277	4	-4	0	-5	0								Tipo di acciaio non contemplato
1P	0	3277	5	-4	0	-5	0								Tipo di acciaio non contemplato
2	0	2213	6	-1	0	-1	0								Tipo di acciaio non contemplato
7	0	2201	6	-1	0	-1	0								Tipo di acciaio non contemplato
8	0	2277	6	-1	0	-1	0								Tipo di acciaio non contemplato
1A	73	970	-1	2	0	0	1								Tipo di acciaio non contemplato
1B	73	970	1	2	0	0	2								Tipo di acciaio non contemplato
1C	73	970	-1	-3	0	-2	1								Tipo di acciaio non contemplato
1D	73	970	1	-3	0	-2	2								Tipo di acciaio non contemplato
1E	73	2738	-1	2	0	0	1								Tipo di acciaio non contemplato
1F	73	2738	1	2	0	0	2								Tipo di acciaio non contemplato
1G	73	2738	-1	-3	0	-2	1								Tipo di acciaio non contemplato
1H	73	2738	1	-3	0	-2	2								Tipo di acciaio non contemplato
1I	73	435	-0	3	0	1	1								Tipo di acciaio non contemplato
1J	73	435	0	3	0	1	1								Tipo di acciaio non contemplato
1K	73	435	-0	-4	0	-2	1								Tipo di acciaio non contemplato
1L	73	435	0	-4	0	-2	1								Tipo di acciaio non contemplato
1M	73	3273	-0	3	0	1	1								Tipo di acciaio non contemplato
1N	73	3273	0	3	0	1	1								Tipo di acciaio non contemplato
1O	73	3273	-0	-4	0	-2	1								Tipo di acciaio non contemplato
1P	73	3273	0	-4	0	-2	1								Tipo di acciaio non contemplato
2	73	2208	-0	-1	0	0	2								Tipo di acciaio non contemplato
7	73	2196	-0	-1	0	0	2								Tipo di acciaio non contemplato
8	73	2272	-0	-1	0	0	2								Tipo di acciaio non contemplato
1A	147	966	-6	2	0	0	-2								Tipo di acciaio non contemplato
1B	147	966	-4	2	0	0	0								Tipo di acciaio non contemplato
1C	147	966	-6	-3	0	0	-2								Tipo di acciaio non contemplato
1D	147	966	-4	-3	0	0	0								Tipo di acciaio non contemplato
1E	147	2734	-6	2	0	0	-2								Tipo di acciaio non contemplato
1F	147	2734	-4	2	0	0	0								Tipo di acciaio non contemplato
1G	147	2734	-6	-3	0	0	-2								Tipo di acciaio non contemplato
1H	147	2734	-4	-3	0	0	0								Tipo di acciaio non contemplato
1I	147	431	-5	3	0	-1	-1								Tipo di acciaio non contemplato
1J	147	431	-5	3	0	-1	0								Tipo di acciaio non contemplato
1K	147	431	-5	-4	0	0	-1								Tipo di acciaio non contemplato
1L	147	431	-5	-4	0	0	0								Tipo di acciaio non contemplato
1M	147	3269	-5	3	0	-1	-1								Tipo di acciaio non contemplato
1N	147	3269	-5	3	0	-1	0								Tipo di acciaio non contemplato
1O	147	3269	-5	-4	0	0	-1								Tipo di acciaio non contemplato
1P	147	3269	-5	-4	0	0	0								Tipo di acciaio non contemplato
2	147	2202	-6	-1	0	0	0								Tipo di acciaio non contemplato
7	147	2190	-6	-1	0	0	0								Tipo di acciaio non contemplato
8	147	2266	-6	-1	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 17 NI 580 NF 970 Lungh. 134.5 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-4356	6	9	0	10	0								Tipo di acciaio non contemplato
1B	0	-4356	8	9	0	10	-3								Tipo di acciaio non contemplato
1C	0	-4356	6	-10	0	-11	0								Tipo di acciaio non contemplato
1D	0	-4356	8	-10	0	-11	-3								Tipo di acciaio non contemplato
1E	0	5255	6	9	0	10	0								Tipo di acciaio non contemplato
1F	0	5255	8	9	0	10	-3								Tipo di acciaio non contemplato
1G	0	5255	6	-10	0	-11	0								Tipo di acciaio non contemplato
1H	0	5255	8	-10	0	-11	-3								Tipo di acciaio non contemplato
1I	0	-5739	6	11	0	12	0								Tipo di acciaio non contemplato
1J	0	-5739	8	11	0	12	-2								Tipo di acciaio non contemplato
1K	0	-5739	6	-12	0	-14	0								Tipo di acciaio non contemplato
1L	0	-5739	8	-12	0	-14	-2								Tipo di acciaio non contemplato

1M	0	6638	6	11	0	12	0	Tipo di acciaio non contemplato
1N	0	6638	8	11	0	12	-2	Tipo di acciaio non contemplato
1O	0	6638	6	-12	0	-14	0	Tipo di acciaio non contemplato
1P	0	6638	8	-12	0	-14	-2	Tipo di acciaio non contemplato
2	0	600	9	-0	0	0	-2	Tipo di acciaio non contemplato
7	0	617	9	-0	0	0	-2	Tipo di acciaio non contemplato
8	0	580	9	-0	0	0	-2	Tipo di acciaio non contemplato
1A	67	-4356	-0	9	0	4	3	Tipo di acciaio non contemplato
1B	67	-4356	2	9	0	4	0	Tipo di acciaio non contemplato
1C	67	-4356	-0	-10	0	-5	3	Tipo di acciaio non contemplato
1D	67	-4356	2	-10	0	-5	0	Tipo di acciaio non contemplato
1E	67	5255	-0	9	0	4	3	Tipo di acciaio non contemplato
1F	67	5255	2	9	0	4	0	Tipo di acciaio non contemplato
1G	67	5255	-0	-10	0	-5	3	Tipo di acciaio non contemplato
1H	67	5255	2	-10	0	-5	0	Tipo di acciaio non contemplato
1I	67	-5739	-0	11	0	5	1	Tipo di acciaio non contemplato
1J	67	-5739	2	11	0	5	1	Tipo di acciaio non contemplato
1K	67	-5739	-0	-12	0	-6	1	Tipo di acciaio non contemplato
1L	67	-5739	2	-12	0	-6	1	Tipo di acciaio non contemplato
1M	67	6638	-0	11	0	5	1	Tipo di acciaio non contemplato
1N	67	6638	2	11	0	5	1	Tipo di acciaio non contemplato
1O	67	6638	-0	-12	0	-6	1	Tipo di acciaio non contemplato
1P	67	6638	2	-12	0	-6	1	Tipo di acciaio non contemplato
2	67	600	1	-0	0	0	1	Tipo di acciaio non contemplato
7	67	617	1	-0	0	0	1	Tipo di acciaio non contemplato
8	67	580	1	-0	0	0	1	Tipo di acciaio non contemplato
1A	135	-4356	-6	9	0	-2	1	Tipo di acciaio non contemplato
1B	135	-4356	-4	9	0	-2	-2	Tipo di acciaio non contemplato
1C	135	-4356	-6	-10	0	2	1	Tipo di acciaio non contemplato
1D	135	-4356	-4	-10	0	2	-2	Tipo di acciaio non contemplato
1E	135	5255	-6	9	0	-2	1	Tipo di acciaio non contemplato
1F	135	5255	-4	9	0	-2	-2	Tipo di acciaio non contemplato
1G	135	5255	-6	-10	0	2	1	Tipo di acciaio non contemplato
1H	135	5255	-4	-10	0	2	-2	Tipo di acciaio non contemplato
1I	135	-5739	-6	11	0	-3	-1	Tipo di acciaio non contemplato
1J	135	-5739	-4	11	0	-3	0	Tipo di acciaio non contemplato
1K	135	-5739	-6	-12	0	2	-1	Tipo di acciaio non contemplato
1L	135	-5739	-4	-12	0	2	0	Tipo di acciaio non contemplato
1M	135	6638	-6	11	0	-3	-1	Tipo di acciaio non contemplato
1N	135	6638	-4	11	0	-3	0	Tipo di acciaio non contemplato
1O	135	6638	-6	-12	0	2	-1	Tipo di acciaio non contemplato
1P	135	6638	-4	-12	0	2	0	Tipo di acciaio non contemplato
2	135	600	-7	-0	0	0	0	Tipo di acciaio non contemplato
7	135	617	-7	-0	0	0	0	Tipo di acciaio non contemplato
8	135	580	-7	-0	0	0	0	Tipo di acciaio non contemplato

ASTA NUM. 18 NI 970 NF 875 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2652	9	0	0	1	1								Tipo di acciaio non contemplato
1B	0	-2652	10	0	0	1	-1								Tipo di acciaio non contemplato
1C	0	-2652	9	-1	0	-1	1								Tipo di acciaio non contemplato
1D	0	-2652	10	-1	0	-1	-1								Tipo di acciaio non contemplato
1E	0	2075	9	0	0	1	1								Tipo di acciaio non contemplato
1F	0	2075	10	0	0	1	-1								Tipo di acciaio non contemplato
1G	0	2075	9	-1	0	-1	1								Tipo di acciaio non contemplato
1H	0	2075	10	-1	0	-1	-1								Tipo di acciaio non contemplato
1I	0	-2531	9	0	0	2	0								Tipo di acciaio non contemplato
1J	0	-2531	10	0	0	2	0								Tipo di acciaio non contemplato
1K	0	-2531	9	-0	0	-2	0								Tipo di acciaio non contemplato
1L	0	-2531	10	-0	0	-2	0								Tipo di acciaio non contemplato
1M	0	1954	9	0	0	2	0								Tipo di acciaio non contemplato
1N	0	1954	10	0	0	2	0								Tipo di acciaio non contemplato
1O	0	1954	9	-0	0	-2	0								Tipo di acciaio non contemplato
1P	0	1954	10	-0	0	-2	0								Tipo di acciaio non contemplato
2	0	-381	12	-0	0	0	0								Tipo di acciaio non contemplato
7	0	-379	12	-0	0	0	0								Tipo di acciaio non contemplato
8	0	-379	12	-0	0	0	0								Tipo di acciaio non contemplato
1A	110	-2652	-0	0	0	1	7								Tipo di acciaio non contemplato
1B	110	-2652	0	0	0	1	4								Tipo di acciaio non contemplato
1C	110	-2652	-0	-1	0	0	7								Tipo di acciaio non contemplato
1D	110	-2652	0	-1	0	0	4								Tipo di acciaio non contemplato
1E	110	2075	-0	0	0	1	7								Tipo di acciaio non contemplato
1F	110	2075	0	0	0	1	4								Tipo di acciaio non contemplato
1G	110	2075	-0	-1	0	0	7								Tipo di acciaio non contemplato
1H	110	2075	0	-1	0	0	4								Tipo di acciaio non contemplato
1I	110	-2531	-0	0	0	2	5								Tipo di acciaio non contemplato
1J	110	-2531	0	0	0	2	5								Tipo di acciaio non contemplato
1K	110	-2531	-0	-0	0	-2	5								Tipo di acciaio non contemplato
1L	110	-2531	0	-0	0	-2	5								Tipo di acciaio non contemplato
1M	110	1954	-0	0	0	2	5								Tipo di acciaio non contemplato
1N	110	1954	0	0	0	2	5								Tipo di acciaio non contemplato
1O	110	1954	-0	-0	0	-2	5								Tipo di acciaio non contemplato
1P	110	1954	0	-0	0	-2	5								Tipo di acciaio non contemplato
2	110	-381	-0	-0	0	0	7								Tipo di acciaio non contemplato
7	110	-379	-0	-0	0	0	7								Tipo di acciaio non contemplato
8	110	-379	-0	-0	0	0	7								Tipo di acciaio non contemplato

1A	219	-2652	-10	0	0	1	1							Tipo di acciaio non contemplato
1B	219	-2652	-10	0	0	1	-1							Tipo di acciaio non contemplato
1C	219	-2652	-10	-1	0	0	1							Tipo di acciaio non contemplato
1D	219	-2652	-10	-1	0	0	-1							Tipo di acciaio non contemplato
1E	219	2075	-10	0	0	1	1							Tipo di acciaio non contemplato
1F	219	2075	-10	0	0	1	-1							Tipo di acciaio non contemplato
1G	219	2075	-10	-1	0	0	1							Tipo di acciaio non contemplato
1H	219	2075	-10	-1	0	0	-1							Tipo di acciaio non contemplato
1I	219	-2531	-10	0	0	2	0							Tipo di acciaio non contemplato
1J	219	-2531	-10	0	0	2	0							Tipo di acciaio non contemplato
1K	219	-2531	-10	-0	0	-1	0							Tipo di acciaio non contemplato
1L	219	-2531	-10	-0	0	-1	0							Tipo di acciaio non contemplato
1M	219	1954	-10	0	0	2	0							Tipo di acciaio non contemplato
1N	219	1954	-10	0	0	2	0							Tipo di acciaio non contemplato
1O	219	1954	-10	-0	0	-1	0							Tipo di acciaio non contemplato
1P	219	1954	-10	-0	0	-1	0							Tipo di acciaio non contemplato
2	219	-381	-13	-0	0	0	0							Tipo di acciaio non contemplato
7	219	-379	-13	-0	0	0	0							Tipo di acciaio non contemplato
8	219	-379	-13	-0	0	0	0							Tipo di acciaio non contemplato

ASTA NUM. 19 NI 875 NF 969 Lungh. 219.3 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-2573	10	1	0	1	1								Tipo di acciaio non contemplato
1B	0	-2573	10	1	0	1	-1								Tipo di acciaio non contemplato
1C	0	-2573	10	-0	0	0	1								Tipo di acciaio non contemplato
1D	0	-2573	10	-0	0	0	-1								Tipo di acciaio non contemplato
1E	0	1965	10	1	0	1	1								Tipo di acciaio non contemplato
1F	0	1965	10	1	0	1	-1								Tipo di acciaio non contemplato
1G	0	1965	10	-0	0	0	1								Tipo di acciaio non contemplato
1H	0	1965	10	-0	0	0	-1								Tipo di acciaio non contemplato
1I	0	-2404	10	0	0	2	0								Tipo di acciaio non contemplato
1J	0	-2404	10	0	0	2	0								Tipo di acciaio non contemplato
1K	0	-2404	10	-0	0	-1	0								Tipo di acciaio non contemplato
1L	0	-2404	10	-0	0	-1	0								Tipo di acciaio non contemplato
1M	0	1796	10	0	0	2	0								Tipo di acciaio non contemplato
1N	0	1796	10	0	0	2	0								Tipo di acciaio non contemplato
1O	0	1796	10	-0	0	-1	0								Tipo di acciaio non contemplato
1P	0	1796	10	-0	0	-1	0								Tipo di acciaio non contemplato
2	0	-350	13	0	0	0	0								Tipo di acciaio non contemplato
7	0	-347	13	0	0	0	0								Tipo di acciaio non contemplato
8	0	-364	13	0	0	0	0								Tipo di acciaio non contemplato
1A	110	-2573	0	1	0	1	7								Tipo di acciaio non contemplato
1B	110	-2573	0	1	0	1	4								Tipo di acciaio non contemplato
1C	110	-2573	0	-0	0	0	7								Tipo di acciaio non contemplato
1D	110	-2573	0	-0	0	0	4								Tipo di acciaio non contemplato
1E	110	1965	0	1	0	1	7								Tipo di acciaio non contemplato
1F	110	1965	0	1	0	1	4								Tipo di acciaio non contemplato
1G	110	1965	0	-0	0	0	7								Tipo di acciaio non contemplato
1H	110	1965	0	-0	0	0	4								Tipo di acciaio non contemplato
1I	110	-2404	-0	0	0	2	6								Tipo di acciaio non contemplato
1J	110	-2404	0	0	0	2	5								Tipo di acciaio non contemplato
1K	110	-2404	-0	-0	0	-2	6								Tipo di acciaio non contemplato
1L	110	-2404	0	-0	0	-2	5								Tipo di acciaio non contemplato
1M	110	1796	-0	0	0	2	6								Tipo di acciaio non contemplato
1N	110	1796	0	0	0	2	5								Tipo di acciaio non contemplato
1O	110	1796	-0	-0	0	-2	6								Tipo di acciaio non contemplato
1P	110	1796	0	-0	0	-2	5								Tipo di acciaio non contemplato
2	110	-350	0	0	0	0	7								Tipo di acciaio non contemplato
7	110	-347	0	0	0	0	7								Tipo di acciaio non contemplato
8	110	-364	0	0	0	0	7								Tipo di acciaio non contemplato
1A	219	-2573	-10	1	0	1	1								Tipo di acciaio non contemplato
1B	219	-2573	-9	1	0	1	-1								Tipo di acciaio non contemplato
1C	219	-2573	-10	-0	0	-1	1								Tipo di acciaio non contemplato
1D	219	-2573	-9	-0	0	-1	-1								Tipo di acciaio non contemplato
1E	219	1965	-10	1	0	1	1								Tipo di acciaio non contemplato
1F	219	1965	-9	1	0	1	-1								Tipo di acciaio non contemplato
1G	219	1965	-10	-0	0	-1	1								Tipo di acciaio non contemplato
1H	219	1965	-9	-0	0	-1	-1								Tipo di acciaio non contemplato
1I	219	-2404	-10	0	0	2	0								Tipo di acciaio non contemplato
1J	219	-2404	-9	0	0	2	0								Tipo di acciaio non contemplato
1K	219	-2404	-10	-0	0	-2	0								Tipo di acciaio non contemplato
1L	219	-2404	-9	-0	0	-2	0								Tipo di acciaio non contemplato
1M	219	1796	-10	0	0	2	0								Tipo di acciaio non contemplato
1N	219	1796	-9	0	0	2	0								Tipo di acciaio non contemplato
1O	219	1796	-10	-0	0	-2	0								Tipo di acciaio non contemplato
1P	219	1796	-9	-0	0	-2	0								Tipo di acciaio non contemplato
2	219	-350	-12	0	0	0	0								Tipo di acciaio non contemplato
7	219	-347	-12	0	0	0	0								Tipo di acciaio non contemplato
8	219	-364	-12	0	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 20 NI 969 NF 571 Lungh. 134.5 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-4140	4	9	0	2	1								Tipo di acciaio non contemplato
1B	0	-4140	6	9	0	2	-2								Tipo di acciaio non contemplato
1C	0	-4140	4	-9	0	-2	1								Tipo di acciaio non contemplato
1D	0	-4140	6	-9	0	-2	-2								Tipo di acciaio non contemplato
1E	0	5059	4	9	0	2	1								Tipo di acciaio non contemplato
1F	0	5059	6	9	0	2	-2								Tipo di acciaio non contemplato
1G	0	5059	4	-9	0	-2	1								Tipo di acciaio non contemplato
1H	0	5059	6	-9	0	-2	-2								Tipo di acciaio non contemplato
1I	0	-5657	4	12	0	2	0								Tipo di acciaio non contemplato
1J	0	-5657	6	12	0	2	-2								Tipo di acciaio non contemplato
1K	0	-5657	4	-11	0	-3	0								Tipo di acciaio non contemplato
1L	0	-5657	6	-11	0	-3	-2								Tipo di acciaio non contemplato
1M	0	6576	4	12	0	2	0								Tipo di acciaio non contemplato
1N	0	6576	6	12	0	2	-2								Tipo di acciaio non contemplato
1O	0	6576	4	-11	0	-3	0								Tipo di acciaio non contemplato
1P	0	6576	6	-11	0	-3	-2								Tipo di acciaio non contemplato
2	0	570	7	0	0	0	0								Tipo di acciaio non contemplato
7	0	589	7	0	0	0	0								Tipo di acciaio non contemplato
8	0	563	7	0	0	0	0								Tipo di acciaio non contemplato
1A	67	-4140	-2	9	0	-5	3								Tipo di acciaio non contemplato
1B	67	-4140	0	9	0	-5	0								Tipo di acciaio non contemplato
1C	67	-4140	-2	-9	0	4	3								Tipo di acciaio non contemplato
1D	67	-4140	0	-9	0	4	0								Tipo di acciaio non contemplato
1E	67	5059	-2	9	0	-5	3								Tipo di acciaio non contemplato
1F	67	5059	0	9	0	-5	0								Tipo di acciaio non contemplato
1G	67	5059	-2	-9	0	4	3								Tipo di acciaio non contemplato
1H	67	5059	0	-9	0	4	0								Tipo di acciaio non contemplato
1I	67	-5657	-2	12	0	-6	1								Tipo di acciaio non contemplato
1J	67	-5657	0	12	0	-6	1								Tipo di acciaio non contemplato
1K	67	-5657	-2	-11	0	5	1								Tipo di acciaio non contemplato
1L	67	-5657	0	-11	0	5	1								Tipo di acciaio non contemplato
1M	67	6576	-2	12	0	-6	1								Tipo di acciaio non contemplato
1N	67	6576	0	12	0	-6	1								Tipo di acciaio non contemplato
1O	67	6576	-2	-11	0	5	1								Tipo di acciaio non contemplato
1P	67	6576	0	-11	0	5	1								Tipo di acciaio non contemplato
2	67	570	-1	0	0	0	1								Tipo di acciaio non contemplato
7	67	589	-1	0	0	0	1								Tipo di acciaio non contemplato
8	67	563	-1	0	0	0	1								Tipo di acciaio non contemplato
1A	135	-4140	-8	9	0	-11	0								Tipo di acciaio non contemplato
1B	135	-4140	-6	9	0	-11	-2								Tipo di acciaio non contemplato
1C	135	-4140	-8	-9	0	10	0								Tipo di acciaio non contemplato
1D	135	-4140	-6	-9	0	10	-2								Tipo di acciaio non contemplato
1E	135	5059	-8	9	0	-11	0								Tipo di acciaio non contemplato
1F	135	5059	-6	9	0	-11	-2								Tipo di acciaio non contemplato
1G	135	5059	-8	-9	0	10	0								Tipo di acciaio non contemplato
1H	135	5059	-6	-9	0	10	-2								Tipo di acciaio non contemplato
1I	135	-5657	-8	12	0	-14	-2								Tipo di acciaio non contemplato
1J	135	-5657	-6	12	0	-14	0								Tipo di acciaio non contemplato
1K	135	-5657	-8	-11	0	13	-2								Tipo di acciaio non contemplato
1L	135	-5657	-6	-11	0	13	0								Tipo di acciaio non contemplato
1M	135	6576	-8	12	0	-14	-2								Tipo di acciaio non contemplato
1N	135	6576	-6	12	0	-14	0								Tipo di acciaio non contemplato
1O	135	6576	-8	-11	0	13	-2								Tipo di acciaio non contemplato
1P	135	6576	-6	-11	0	13	0								Tipo di acciaio non contemplato
2	135	570	-9	0	0	0	-2								Tipo di acciaio non contemplato
7	135	589	-9	0	0	0	-2								Tipo di acciaio non contemplato
8	135	563	-9	0	0	0	-2								Tipo di acciaio non contemplato

ASTA NUM. 21 NI 879 NF 969 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-2157	4	7	0	2	0								Tipo di acciaio non contemplato
1B	0	-2157	7	7	0	2	-2								Tipo di acciaio non contemplato
1C	0	-2157	4	-12	0	-4	0								Tipo di acciaio non contemplato
1D	0	-2157	7	-12	0	-4	-2								Tipo di acciaio non contemplato
1E	0	1872	4	7	0	2	0								Tipo di acciaio non contemplato
1F	0	1872	7	7	0	2	-2								Tipo di acciaio non contemplato
1G	0	1872	4	-12	0	-4	0								Tipo di acciaio non contemplato
1H	0	1872	7	-12	0	-4	-2								Tipo di acciaio non contemplato
1I	0	-2815	2	10	0	3	0								Tipo di acciaio non contemplato
1J	0	-2815	9	10	0	3	-3								Tipo di acciaio non contemplato
1K	0	-2815	2	-15	0	-5	0								Tipo di acciaio non contemplato
1L	0	-2815	9	-15	0	-5	-3								Tipo di acciaio non contemplato
1M	0	2529	2	10	0	3	0								Tipo di acciaio non contemplato
1N	0	2529	9	10	0	3	-3								Tipo di acciaio non contemplato
1O	0	2529	2	-15	0	-5	0								Tipo di acciaio non contemplato
1P	0	2529	9	-15	0	-5	-3								Tipo di acciaio non contemplato
2	0	-191	8	-3	0	-1	-1								Tipo di acciaio non contemplato
7	0	-206	8	-3	0	-1	-1								Tipo di acciaio non contemplato
8	0	-179	7	-3	0	-2	-1								Tipo di acciaio non contemplato
1A	45	-2157	0	7	0	-1	0								Tipo di acciaio non contemplato
1B	45	-2157	3	7	0	-1	0								Tipo di acciaio non contemplato

1C	45	-2157	0	-12	0	0	0	Tipo di acciaio non contemplato
1D	45	-2157	3	-12	0	0	0	Tipo di acciaio non contemplato
1E	45	1872	0	7	0	-1	0	Tipo di acciaio non contemplato
1F	45	1872	3	7	0	-1	0	Tipo di acciaio non contemplato
1G	45	1872	0	-12	0	0	0	Tipo di acciaio non contemplato
1H	45	1872	3	-12	0	0	0	Tipo di acciaio non contemplato
1I	45	-2815	-2	10	0	-2	0	Tipo di acciaio non contemplato
1J	45	-2815	5	10	0	-2	0	Tipo di acciaio non contemplato
1K	45	-2815	-2	-15	0	1	0	Tipo di acciaio non contemplato
1L	45	-2815	5	-15	0	1	0	Tipo di acciaio non contemplato
1M	45	2529	-2	10	0	-2	0	Tipo di acciaio non contemplato
1N	45	2529	5	10	0	-2	0	Tipo di acciaio non contemplato
1O	45	2529	-2	-15	0	1	0	Tipo di acciaio non contemplato
1P	45	2529	5	-15	0	1	0	Tipo di acciaio non contemplato
2	45	-191	2	-3	0	0	0	Tipo di acciaio non contemplato
7	45	-206	2	-3	0	0	0	Tipo di acciaio non contemplato
8	45	-179	2	-3	0	0	0	Tipo di acciaio non contemplato
1A	90	-2157	-4	7	0	-4	0	Tipo di acciaio non contemplato
1B	90	-2157	-1	7	0	-4	1	Tipo di acciaio non contemplato
1C	90	-2157	-4	-12	0	6	0	Tipo di acciaio non contemplato
1D	90	-2157	-1	-12	0	6	1	Tipo di acciaio non contemplato
1E	90	1872	-4	7	0	-4	0	Tipo di acciaio non contemplato
1F	90	1872	-1	7	0	-4	1	Tipo di acciaio non contemplato
1G	90	1872	-4	-12	0	6	0	Tipo di acciaio non contemplato
1H	90	1872	-1	-12	0	6	1	Tipo di acciaio non contemplato
1I	90	-2815	-6	10	0	-6	-1	Tipo di acciaio non contemplato
1J	90	-2815	1	10	0	-6	2	Tipo di acciaio non contemplato
1K	90	-2815	-6	-15	0	8	-1	Tipo di acciaio non contemplato
1L	90	-2815	1	-15	0	8	2	Tipo di acciaio non contemplato
1M	90	2529	-6	10	0	-6	-1	Tipo di acciaio non contemplato
1N	90	2529	1	10	0	-6	2	Tipo di acciaio non contemplato
1O	90	2529	-6	-15	0	8	-1	Tipo di acciaio non contemplato
1P	90	2529	1	-15	0	8	2	Tipo di acciaio non contemplato
2	90	-191	-3	-3	0	1	0	Tipo di acciaio non contemplato
7	90	-206	-3	-3	0	1	0	Tipo di acciaio non contemplato
8	90	-179	-3	-3	0	1	0	Tipo di acciaio non contemplato

ASTA NUM. 22 NI 875 NF 968 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-331	3	7	0	3	0								Tipo di acciaio non contemplato
1B	0	-331	9	7	0	3	-2								Tipo di acciaio non contemplato
1C	0	-331	3	-7	0	-3	0								Tipo di acciaio non contemplato
1D	0	-331	9	-7	0	-3	-2								Tipo di acciaio non contemplato
1E	0	212	3	7	0	3	0								Tipo di acciaio non contemplato
1F	0	212	9	7	0	3	-2								Tipo di acciaio non contemplato
1G	0	212	3	-7	0	-3	0								Tipo di acciaio non contemplato
1H	0	212	9	-7	0	-3	-2								Tipo di acciaio non contemplato
1I	0	-875	-2	2	0	1	2								Tipo di acciaio non contemplato
1J	0	-875	14	2	0	1	-4								Tipo di acciaio non contemplato
1K	0	-875	-2	-3	0	-1	2								Tipo di acciaio non contemplato
1L	0	-875	14	-3	0	-1	-4								Tipo di acciaio non contemplato
1M	0	757	-2	2	0	1	2								Tipo di acciaio non contemplato
1N	0	757	14	2	0	1	-4								Tipo di acciaio non contemplato
1O	0	757	-2	-3	0	-1	2								Tipo di acciaio non contemplato
1P	0	757	14	-3	0	-1	-4								Tipo di acciaio non contemplato
2	0	-74	8	0	0	0	-1								Tipo di acciaio non contemplato
7	0	-74	8	0	0	0	-1								Tipo di acciaio non contemplato
8	0	-75	8	-0	0	0	-1								Tipo di acciaio non contemplato
1A	45	-331	-1	7	0	0	0								Tipo di acciaio non contemplato
1B	45	-331	5	7	0	0	1								Tipo di acciaio non contemplato
1C	45	-331	-1	-7	0	0	0								Tipo di acciaio non contemplato
1D	45	-331	5	-7	0	0	1								Tipo di acciaio non contemplato
1E	45	212	-1	7	0	0	0								Tipo di acciaio non contemplato
1F	45	212	5	7	0	0	1								Tipo di acciaio non contemplato
1G	45	212	-1	-7	0	0	0								Tipo di acciaio non contemplato
1H	45	212	5	-7	0	0	1								Tipo di acciaio non contemplato
1I	45	-875	-6	2	0	0	0								Tipo di acciaio non contemplato
1J	45	-875	10	2	0	0	1								Tipo di acciaio non contemplato
1K	45	-875	-6	-3	0	0	0								Tipo di acciaio non contemplato
1L	45	-875	10	-3	0	0	1								Tipo di acciaio non contemplato
1M	45	757	-6	2	0	0	0								Tipo di acciaio non contemplato
1N	45	757	10	2	0	0	1								Tipo di acciaio non contemplato
1O	45	757	-6	-3	0	0	0								Tipo di acciaio non contemplato
1P	45	757	10	-3	0	0	1								Tipo di acciaio non contemplato
2	45	-74	3	0	0	0	1								Tipo di acciaio non contemplato
7	45	-74	3	0	0	0	1								Tipo di acciaio non contemplato
8	45	-75	3	-0	0	0	1								Tipo di acciaio non contemplato
1A	90	-331	-5	7	0	-3	0								Tipo di acciaio non contemplato
1B	90	-331	1	7	0	-3	2								Tipo di acciaio non contemplato
1C	90	-331	-5	-7	0	3	0								Tipo di acciaio non contemplato
1D	90	-331	1	-7	0	3	2								Tipo di acciaio non contemplato
1E	90	212	-5	7	0	-3	0								Tipo di acciaio non contemplato
1F	90	212	1	7	0	-3	2								Tipo di acciaio non contemplato
1G	90	212	-5	-7	0	3	0								Tipo di acciaio non contemplato
1H	90	212	1	-7	0	3	2								Tipo di acciaio non contemplato
1I	90	-875	-10	2	0	-1	-3								Tipo di acciaio non contemplato

1J	90	-875	6	2	0	-1	5						Tipo di acciaio non contemplato
1K	90	-875	-10	-3	0	1	-3						Tipo di acciaio non contemplato
1L	90	-875	6	-3	0	1	5						Tipo di acciaio non contemplato
1M	90	757	-10	2	0	-1	-3						Tipo di acciaio non contemplato
1N	90	757	6	2	0	-1	5						Tipo di acciaio non contemplato
1O	90	757	-10	-3	0	1	-3						Tipo di acciaio non contemplato
1P	90	757	6	-3	0	1	5						Tipo di acciaio non contemplato
2	90	-74	-2	0	0	0	1						Tipo di acciaio non contemplato
7	90	-74	-2	0	0	0	1						Tipo di acciaio non contemplato
8	90	-75	-2	-0	0	0	1						Tipo di acciaio non contemplato

ASTA NUM. 23 NI 871 NF 970 Lungh. 90.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	-2222	4	12	0	4	0								Tipo di acciaio non contemplato
1B	0	-2222	7	12	0	4	-2								Tipo di acciaio non contemplato
1C	0	-2222	4	-7	0	-2	0								Tipo di acciaio non contemplato
1D	0	-2222	7	-7	0	-2	-2								Tipo di acciaio non contemplato
1E	0	1939	4	12	0	4	0								Tipo di acciaio non contemplato
1F	0	1939	7	12	0	4	-2								Tipo di acciaio non contemplato
1G	0	1939	4	-7	0	-2	0								Tipo di acciaio non contemplato
1H	0	1939	7	-7	0	-2	-2								Tipo di acciaio non contemplato
1I	0	-2792	2	15	0	5	1								Tipo di acciaio non contemplato
1J	0	-2792	9	15	0	5	-3								Tipo di acciaio non contemplato
1K	0	-2792	2	-10	0	-3	1								Tipo di acciaio non contemplato
1L	0	-2792	9	-10	0	-3	-3								Tipo di acciaio non contemplato
1M	0	2509	2	15	0	5	1								Tipo di acciaio non contemplato
1N	0	2509	9	15	0	5	-3								Tipo di acciaio non contemplato
1O	0	2509	2	-10	0	-3	1								Tipo di acciaio non contemplato
1P	0	2509	9	-10	0	-3	-3								Tipo di acciaio non contemplato
2	0	-197	7	3	0	2	-1								Tipo di acciaio non contemplato
7	0	-209	7	3	0	2	-1								Tipo di acciaio non contemplato
8	0	-182	7	3	0	2	-1								Tipo di acciaio non contemplato
1A	45	-2222	-0	12	0	-1	0								Tipo di acciaio non contemplato
1B	45	-2222	3	12	0	-1	0								Tipo di acciaio non contemplato
1C	45	-2222	-0	-7	0	1	0								Tipo di acciaio non contemplato
1D	45	-2222	3	-7	0	1	0								Tipo di acciaio non contemplato
1E	45	1939	-0	12	0	-1	0								Tipo di acciaio non contemplato
1F	45	1939	3	12	0	-1	0								Tipo di acciaio non contemplato
1G	45	1939	-0	-7	0	1	0								Tipo di acciaio non contemplato
1H	45	1939	3	-7	0	1	0								Tipo di acciaio non contemplato
1I	45	-2792	-2	15	0	-1	0								Tipo di acciaio non contemplato
1J	45	-2792	5	15	0	-1	0								Tipo di acciaio non contemplato
1K	45	-2792	-2	-10	0	2	0								Tipo di acciaio non contemplato
1L	45	-2792	5	-10	0	2	0								Tipo di acciaio non contemplato
1M	45	2509	-2	15	0	-1	0								Tipo di acciaio non contemplato
1N	45	2509	5	15	0	-1	0								Tipo di acciaio non contemplato
1O	45	2509	-2	-10	0	2	0								Tipo di acciaio non contemplato
1P	45	2509	5	-10	0	2	0								Tipo di acciaio non contemplato
2	45	-197	2	3	0	0	0								Tipo di acciaio non contemplato
7	45	-209	2	3	0	0	0								Tipo di acciaio non contemplato
8	45	-182	2	3	0	0	0								Tipo di acciaio non contemplato
1A	90	-2222	-4	12	0	-6	0								Tipo di acciaio non contemplato
1B	90	-2222	-1	12	0	-6	0								Tipo di acciaio non contemplato
1C	90	-2222	-4	-7	0	5	0								Tipo di acciaio non contemplato
1D	90	-2222	-1	-7	0	5	0								Tipo di acciaio non contemplato
1E	90	1939	-4	12	0	-6	0								Tipo di acciaio non contemplato
1F	90	1939	-1	12	0	-6	0								Tipo di acciaio non contemplato
1G	90	1939	-4	-7	0	5	0								Tipo di acciaio non contemplato
1H	90	1939	-1	-7	0	5	0								Tipo di acciaio non contemplato
1I	90	-2792	-6	15	0	-8	-1								Tipo di acciaio non contemplato
1J	90	-2792	1	15	0	-8	2								Tipo di acciaio non contemplato
1K	90	-2792	-6	-10	0	6	-1								Tipo di acciaio non contemplato
1L	90	-2792	1	-10	0	6	2								Tipo di acciaio non contemplato
1M	90	2509	-6	15	0	-8	-1								Tipo di acciaio non contemplato
1N	90	2509	1	15	0	-8	2								Tipo di acciaio non contemplato
1O	90	2509	-6	-10	0	6	-1								Tipo di acciaio non contemplato
1P	90	2509	1	-10	0	6	2								Tipo di acciaio non contemplato
2	90	-197	-3	3	0	-1	0								Tipo di acciaio non contemplato
7	90	-209	-3	3	0	-1	0								Tipo di acciaio non contemplato
8	90	-182	-3	3	0	-1	0								Tipo di acciaio non contemplato

ASTA NUM. 24 NI 178 NF 970 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m					kg/cmq				
1A	0	1120	3	0	0	2	0								Tipo di acciaio non contemplato
1B	0	1120	4	0	0	2	0								Tipo di acciaio non contemplato
1C	0	1120	3	-1	0	-3	0								Tipo di acciaio non contemplato
1D	0	1120	4	-1	0	-3	0								Tipo di acciaio non contemplato
1E	0	2462	3	0	0	2	0								Tipo di acciaio non contemplato

1F	0	2462	4	0	0	2	0	Tipo di acciaio non contemplato
1G	0	2462	3	-1	0	-3	0	Tipo di acciaio non contemplato
1H	0	2462	4	-1	0	-3	0	Tipo di acciaio non contemplato
1I	0	1480	3	1	0	3	0	Tipo di acciaio non contemplato
1J	0	1480	4	1	0	3	0	Tipo di acciaio non contemplato
1K	0	1480	3	-2	0	-4	0	Tipo di acciaio non contemplato
1L	0	1480	4	-2	0	-4	0	Tipo di acciaio non contemplato
1M	0	2102	3	1	0	3	0	Tipo di acciaio non contemplato
1N	0	2102	4	1	0	3	0	Tipo di acciaio non contemplato
1O	0	2102	3	-2	0	-4	0	Tipo di acciaio non contemplato
1P	0	2102	4	-2	0	-4	0	Tipo di acciaio non contemplato
2	0	2374	5	-0	0	0	0	Tipo di acciaio non contemplato
7	0	2377	5	-0	0	0	0	Tipo di acciaio non contemplato
8	0	2358	5	-0	0	0	0	Tipo di acciaio non contemplato
1A	71	1116	-1	0	0	2	0	Tipo di acciaio non contemplato
1B	71	1116	-0	0	0	2	0	Tipo di acciaio non contemplato
1C	71	1116	-1	-1	0	-2	0	Tipo di acciaio non contemplato
1D	71	1116	-0	-1	0	-2	0	Tipo di acciaio non contemplato
1E	71	2457	-1	0	0	2	0	Tipo di acciaio non contemplato
1F	71	2457	-0	0	0	2	0	Tipo di acciaio non contemplato
1G	71	2457	-1	-1	0	-2	0	Tipo di acciaio non contemplato
1H	71	2457	-0	-1	0	-2	0	Tipo di acciaio non contemplato
1I	71	1475	-1	1	0	2	0	Tipo di acciaio non contemplato
1J	71	1475	-0	1	0	2	0	Tipo di acciaio non contemplato
1K	71	1475	-1	-2	0	-3	0	Tipo di acciaio non contemplato
1L	71	1475	-0	-2	0	-3	0	Tipo di acciaio non contemplato
1M	71	2098	-1	1	0	2	0	Tipo di acciaio non contemplato
1N	71	2098	-0	1	0	2	0	Tipo di acciaio non contemplato
1O	71	2098	-1	-2	0	-3	0	Tipo di acciaio non contemplato
1P	71	2098	-0	-2	0	-3	0	Tipo di acciaio non contemplato
2	71	2368	-1	-0	0	0	1	Tipo di acciaio non contemplato
7	71	2371	-1	-0	0	0	1	Tipo di acciaio non contemplato
8	71	2352	-1	-0	0	0	1	Tipo di acciaio non contemplato
1A	141	1111	-6	0	0	1	-2	Tipo di acciaio non contemplato
1B	141	1111	-5	0	0	1	0	Tipo di acciaio non contemplato
1C	141	1111	-6	-1	0	-2	-2	Tipo di acciaio non contemplato
1D	141	1111	-5	-1	0	-2	0	Tipo di acciaio non contemplato
1E	141	2453	-6	0	0	1	-2	Tipo di acciaio non contemplato
1F	141	2453	-5	0	0	1	0	Tipo di acciaio non contemplato
1G	141	2453	-6	-1	0	-2	-2	Tipo di acciaio non contemplato
1H	141	2453	-5	-1	0	-2	0	Tipo di acciaio non contemplato
1I	141	1471	-5	1	0	1	-1	Tipo di acciaio non contemplato
1J	141	1471	-5	1	0	1	0	Tipo di acciaio non contemplato
1K	141	1471	-5	-2	0	-1	-1	Tipo di acciaio non contemplato
1L	141	1471	-5	-2	0	-1	0	Tipo di acciaio non contemplato
1M	141	2093	-5	1	0	1	-1	Tipo di acciaio non contemplato
1N	141	2093	-5	1	0	1	0	Tipo di acciaio non contemplato
1O	141	2093	-5	-2	0	-1	-1	Tipo di acciaio non contemplato
1P	141	2093	-5	-2	0	-1	0	Tipo di acciaio non contemplato
2	141	2363	-7	-0	0	0	-2	Tipo di acciaio non contemplato
7	141	2365	-7	-0	0	0	-2	Tipo di acciaio non contemplato
8	141	2347	-7	-0	0	0	-2	Tipo di acciaio non contemplato

ASTA NUM. 25 NI 970 NF 966 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1341	3	3	0	4	2							Tipo di acciaio non contemplato
1B	0	-1341	4	3	0	4	1							Tipo di acciaio non contemplato
1C	0	-1341	3	-2	0	-3	2							Tipo di acciaio non contemplato
1D	0	-1341	4	-2	0	-3	1							Tipo di acciaio non contemplato
1E	0	-398	3	3	0	4	2							Tipo di acciaio non contemplato
1F	0	-398	4	3	0	4	1							Tipo di acciaio non contemplato
1G	0	-398	3	-2	0	-3	2							Tipo di acciaio non contemplato
1H	0	-398	4	-2	0	-3	1							Tipo di acciaio non contemplato
1I	0	-1168	3	6	0	6	2							Tipo di acciaio non contemplato
1J	0	-1168	3	6	0	6	1							Tipo di acciaio non contemplato
1K	0	-1168	3	-6	0	-5	2							Tipo di acciaio non contemplato
1L	0	-1168	3	-6	0	-5	1							Tipo di acciaio non contemplato
1M	0	-571	3	6	0	6	2							Tipo di acciaio non contemplato
1N	0	-571	3	6	0	6	1							Tipo di acciaio non contemplato
1O	0	-571	3	-6	0	-5	2							Tipo di acciaio non contemplato
1P	0	-571	3	-6	0	-5	1							Tipo di acciaio non contemplato
2	0	-1171	4	1	0	0	2							Tipo di acciaio non contemplato
7	0	-1174	4	1	0	0	2							Tipo di acciaio non contemplato
8	0	-1158	4	1	0	0	2							Tipo di acciaio non contemplato
1A	71	-1336	-2	3	0	3	2							Tipo di acciaio non contemplato
1B	71	-1336	-1	3	0	3	2							Tipo di acciaio non contemplato
1C	71	-1336	-2	-2	0	-3	2							Tipo di acciaio non contemplato
1D	71	-1336	-1	-2	0	-3	2							Tipo di acciaio non contemplato
1E	71	-394	-2	3	0	3	2							Tipo di acciaio non contemplato
1F	71	-394	-1	3	0	3	2							Tipo di acciaio non contemplato
1G	71	-394	-2	-2	0	-3	2							Tipo di acciaio non contemplato
1H	71	-394	-1	-2	0	-3	2							Tipo di acciaio non contemplato
1I	71	-1163	-2	6	0	0	2							Tipo di acciaio non contemplato
1J	71	-1163	-1	6	0	0	2							Tipo di acciaio non contemplato
1K	71	-1163	-2	-6	0	0	2							Tipo di acciaio non contemplato
1L	71	-1163	-1	-6	0	0	2							Tipo di acciaio non contemplato

1M	71	-567	-2	6	0	0	2	Tipo di acciaio non contemplato
1N	71	-567	-1	6	0	0	2	Tipo di acciaio non contemplato
1O	71	-567	-2	-6	0	0	2	Tipo di acciaio non contemplato
1P	71	-567	-1	-6	0	0	2	Tipo di acciaio non contemplato
2	71	-1165	-2	1	0	0	3	Tipo di acciaio non contemplato
7	71	-1168	-2	1	0	0	3	Tipo di acciaio non contemplato
8	71	-1152	-2	1	0	0	3	Tipo di acciaio non contemplato
1A	141	-1332	-6	3	0	2	0	Tipo di acciaio non contemplato
1B	141	-1332	-5	3	0	2	0	Tipo di acciaio non contemplato
1C	141	-1332	-6	-2	0	-3	0	Tipo di acciaio non contemplato
1D	141	-1332	-5	-2	0	-3	0	Tipo di acciaio non contemplato
1E	141	-390	-6	3	0	2	0	Tipo di acciaio non contemplato
1F	141	-390	-5	3	0	2	0	Tipo di acciaio non contemplato
1G	141	-390	-6	-2	0	-3	0	Tipo di acciaio non contemplato
1H	141	-390	-5	-2	0	-3	0	Tipo di acciaio non contemplato
1I	141	-1159	-6	6	0	-4	0	Tipo di acciaio non contemplato
1J	141	-1159	-5	6	0	-4	0	Tipo di acciaio non contemplato
1K	141	-1159	-6	-6	0	4	0	Tipo di acciaio non contemplato
1L	141	-1159	-5	-6	0	4	0	Tipo di acciaio non contemplato
1M	141	-562	-6	6	0	-4	0	Tipo di acciaio non contemplato
1N	141	-562	-5	6	0	-4	0	Tipo di acciaio non contemplato
1O	141	-562	-6	-6	0	4	0	Tipo di acciaio non contemplato
1P	141	-562	-5	-6	0	4	0	Tipo di acciaio non contemplato
2	141	-1159	-8	1	0	0	0	Tipo di acciaio non contemplato
7	141	-1162	-8	1	0	0	0	Tipo di acciaio non contemplato
8	141	-1146	-8	1	0	0	0	Tipo di acciaio non contemplato

ASTA NUM. 26 NI 966 NF 968 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	339	4	1	0	2	0								Tipo di acciaio non contemplato
1B	0	339	5	1	0	2	0								Tipo di acciaio non contemplato
1C	0	339	4	-4	0	-5	0								Tipo di acciaio non contemplato
1D	0	339	5	-4	0	-5	0								Tipo di acciaio non contemplato
1E	0	1343	4	1	0	2	0								Tipo di acciaio non contemplato
1F	0	1343	5	1	0	2	0								Tipo di acciaio non contemplato
1G	0	1343	4	-4	0	-5	0								Tipo di acciaio non contemplato
1H	0	1343	5	-4	0	-5	0								Tipo di acciaio non contemplato
1I	0	472	4	6	0	5	1								Tipo di acciaio non contemplato
1J	0	472	5	6	0	5	0								Tipo di acciaio non contemplato
1K	0	472	4	-8	0	-7	1								Tipo di acciaio non contemplato
1L	0	472	5	-8	0	-7	0								Tipo di acciaio non contemplato
1M	0	1211	4	6	0	5	1								Tipo di acciaio non contemplato
1N	0	1211	5	6	0	5	0								Tipo di acciaio non contemplato
1O	0	1211	4	-8	0	-7	1								Tipo di acciaio non contemplato
1P	0	1211	5	-8	0	-7	0								Tipo di acciaio non contemplato
2	0	1139	6	-2	0	-2	0								Tipo di acciaio non contemplato
7	0	1142	6	-2	0	-2	0								Tipo di acciaio non contemplato
8	0	1124	6	-2	0	-2	0								Tipo di acciaio non contemplato
1A	71	335	-1	1	0	0	2								Tipo di acciaio non contemplato
1B	71	335	0	1	0	0	2								Tipo di acciaio non contemplato
1C	71	335	-1	-4	0	0	2								Tipo di acciaio non contemplato
1D	71	335	0	-4	0	0	2								Tipo di acciaio non contemplato
1E	71	1339	-1	1	0	0	2								Tipo di acciaio non contemplato
1F	71	1339	0	1	0	0	2								Tipo di acciaio non contemplato
1G	71	1339	-1	-4	0	0	2								Tipo di acciaio non contemplato
1H	71	1339	0	-4	0	0	2								Tipo di acciaio non contemplato
1I	71	467	-1	6	0	0	2								Tipo di acciaio non contemplato
1J	71	467	1	6	0	0	2								Tipo di acciaio non contemplato
1K	71	467	-1	-8	0	-2	2								Tipo di acciaio non contemplato
1L	71	467	1	-8	0	-2	2								Tipo di acciaio non contemplato
1M	71	1206	-1	6	0	0	2								Tipo di acciaio non contemplato
1N	71	1206	1	6	0	0	2								Tipo di acciaio non contemplato
1O	71	1206	-1	-8	0	-2	2								Tipo di acciaio non contemplato
1P	71	1206	1	-8	0	-2	2								Tipo di acciaio non contemplato
2	71	1133	-0	-2	0	0	3								Tipo di acciaio non contemplato
7	71	1136	-0	-2	0	0	3								Tipo di acciaio non contemplato
8	71	1118	-0	-2	0	0	3								Tipo di acciaio non contemplato
1A	141	330	-5	1	0	-2	0								Tipo di acciaio non contemplato
1B	141	330	-4	1	0	-2	0								Tipo di acciaio non contemplato
1C	141	330	-5	-4	0	3	0								Tipo di acciaio non contemplato
1D	141	330	-4	-4	0	3	0								Tipo di acciaio non contemplato
1E	141	1335	-5	1	0	-2	0								Tipo di acciaio non contemplato
1F	141	1335	-4	1	0	-2	0								Tipo di acciaio non contemplato
1G	141	1335	-5	-4	0	3	0								Tipo di acciaio non contemplato
1H	141	1335	-4	-4	0	3	0								Tipo di acciaio non contemplato
1I	141	463	-5	6	0	-3	0								Tipo di acciaio non contemplato
1J	141	463	-4	6	0	-3	0								Tipo di acciaio non contemplato
1K	141	463	-5	-8	0	4	0								Tipo di acciaio non contemplato
1L	141	463	-4	-8	0	4	0								Tipo di acciaio non contemplato
1M	141	1202	-5	6	0	-3	0								Tipo di acciaio non contemplato
1N	141	1202	-4	6	0	-3	0								Tipo di acciaio non contemplato
1O	141	1202	-5	-8	0	4	0								Tipo di acciaio non contemplato
1P	141	1202	-4	-8	0	4	0								Tipo di acciaio non contemplato
2	141	1127	-6	-2	0	0	0								Tipo di acciaio non contemplato
7	141	1130	-6	-2	0	0	0								Tipo di acciaio non contemplato
8	141	1113	-6	-2	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 27 NI 968 NF 967 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	349	4	4	0	3	0								Tipo di acciaio non contemplato
1B	0	349	5	4	0	3	0								Tipo di acciaio non contemplato
1C	0	349	4	-1	0	-1	0								Tipo di acciaio non contemplato
1D	0	349	5	-1	0	-1	0								Tipo di acciaio non contemplato
1E	0	1307	4	4	0	3	0								Tipo di acciaio non contemplato
1F	0	1307	5	4	0	3	0								Tipo di acciaio non contemplato
1G	0	1307	4	-1	0	-1	0								Tipo di acciaio non contemplato
1H	0	1307	5	-1	0	-1	0								Tipo di acciaio non contemplato
1I	0	489	4	8	0	5	0								Tipo di acciaio non contemplato
1J	0	489	5	8	0	5	0								Tipo di acciaio non contemplato
1K	0	489	4	-5	0	-3	0								Tipo di acciaio non contemplato
1L	0	489	5	-5	0	-3	0								Tipo di acciaio non contemplato
1M	0	1168	4	8	0	5	0								Tipo di acciaio non contemplato
1N	0	1168	5	8	0	5	0								Tipo di acciaio non contemplato
1O	0	1168	4	-5	0	-3	0								Tipo di acciaio non contemplato
1P	0	1168	5	-5	0	-3	0								Tipo di acciaio non contemplato
2	0	1031	6	3	0	1	0								Tipo di acciaio non contemplato
7	0	1028	6	3	0	1	0								Tipo di acciaio non contemplato
8	0	1046	6	3	0	1	0								Tipo di acciaio non contemplato
1A	71	354	-0	4	0	0	2								Tipo di acciaio non contemplato
1B	71	354	0	4	0	0	2								Tipo di acciaio non contemplato
1C	71	354	-0	-1	0	0	2								Tipo di acciaio non contemplato
1D	71	354	0	-1	0	0	2								Tipo di acciaio non contemplato
1E	71	1311	-0	4	0	0	2								Tipo di acciaio non contemplato
1F	71	1311	0	4	0	0	2								Tipo di acciaio non contemplato
1G	71	1311	-0	-1	0	0	2								Tipo di acciaio non contemplato
1H	71	1311	0	-1	0	0	2								Tipo di acciaio non contemplato
1I	71	493	-0	8	0	-1	2								Tipo di acciaio non contemplato
1J	71	493	1	8	0	-1	2								Tipo di acciaio non contemplato
1K	71	493	-0	-5	0	0	2								Tipo di acciaio non contemplato
1L	71	493	1	-5	0	0	2								Tipo di acciaio non contemplato
1M	71	1172	-0	8	0	-1	2								Tipo di acciaio non contemplato
1N	71	1172	1	8	0	-1	2								Tipo di acciaio non contemplato
1O	71	1172	-0	-5	0	0	2								Tipo di acciaio non contemplato
1P	71	1172	1	-5	0	0	2								Tipo di acciaio non contemplato
2	71	1037	0	3	0	0	3								Tipo di acciaio non contemplato
7	71	1034	0	3	0	0	3								Tipo di acciaio non contemplato
8	71	1052	0	3	0	0	3								Tipo di acciaio non contemplato
1A	141	358	-5	4	0	-5	0								Tipo di acciaio non contemplato
1B	141	358	-4	4	0	-5	0								Tipo di acciaio non contemplato
1C	141	358	-5	-1	0	1	0								Tipo di acciaio non contemplato
1D	141	358	-4	-1	0	1	0								Tipo di acciaio non contemplato
1E	141	1316	-5	4	0	-5	0								Tipo di acciaio non contemplato
1F	141	1316	-4	4	0	-5	0								Tipo di acciaio non contemplato
1G	141	1316	-5	-1	0	1	0								Tipo di acciaio non contemplato
1H	141	1316	-4	-1	0	1	0								Tipo di acciaio non contemplato
1I	141	497	-5	8	0	-8	0								Tipo di acciaio non contemplato
1J	141	497	-4	8	0	-8	1								Tipo di acciaio non contemplato
1K	141	497	-5	-5	0	4	0								Tipo di acciaio non contemplato
1L	141	497	-4	-5	0	4	1								Tipo di acciaio non contemplato
1M	141	1176	-5	8	0	-8	0								Tipo di acciaio non contemplato
1N	141	1176	-4	8	0	-8	1								Tipo di acciaio non contemplato
1O	141	1176	-5	-5	0	4	0								Tipo di acciaio non contemplato
1P	141	1176	-4	-5	0	4	1								Tipo di acciaio non contemplato
2	141	1043	-6	3	0	-2	0								Tipo di acciaio non contemplato
7	141	1039	-6	3	0	-2	0								Tipo di acciaio non contemplato
8	141	1058	-6	3	0	-2	0								Tipo di acciaio non contemplato

ASTA NUM. 28 NI 967 NF 969 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1327	5	1	0	2	0								Tipo di acciaio non contemplato
1B	0	-1327	6	1	0	2	0								Tipo di acciaio non contemplato
1C	0	-1327	5	-4	0	-4	0								Tipo di acciaio non contemplato
1D	0	-1327	6	-4	0	-4	0								Tipo di acciaio non contemplato
1E	0	-338	5	1	0	2	0								Tipo di acciaio non contemplato
1F	0	-338	6	1	0	2	0								Tipo di acciaio non contemplato
1G	0	-338	5	-4	0	-4	0								Tipo di acciaio non contemplato
1H	0	-338	6	-4	0	-4	0								Tipo di acciaio non contemplato
1I	0	-1243	5	5	0	3	0								Tipo di acciaio non contemplato
1J	0	-1243	7	5	0	3	-1								Tipo di acciaio non contemplato
1K	0	-1243	5	-7	0	-5	0								Tipo di acciaio non contemplato
1L	0	-1243	7	-7	0	-5	-1								Tipo di acciaio non contemplato
1M	0	-422	5	5	0	3	0								Tipo di acciaio non contemplato
1N	0	-422	7	5	0	3	-1								Tipo di acciaio non contemplato
1O	0	-422	5	-7	0	-5	0								Tipo di acciaio non contemplato

1P	0	-422	7	-7	0	-5	-1	Tipo di acciaio non contemplato
2	0	-1030	8	-2	0	-2	0	Tipo di acciaio non contemplato
7	0	-1027	8	-2	0	-2	0	Tipo di acciaio non contemplato
8	0	-1047	8	-2	0	-1	0	Tipo di acciaio non contemplato
1A	71	-1331	1	1	0	0	2	Tipo di acciaio non contemplato
1B	71	-1331	2	1	0	0	2	Tipo di acciaio non contemplato
1C	71	-1331	1	-4	0	0	2	Tipo di acciaio non contemplato
1D	71	-1331	2	-4	0	0	2	Tipo di acciaio non contemplato
1E	71	-342	1	1	0	0	2	Tipo di acciaio non contemplato
1F	71	-342	2	1	0	0	2	Tipo di acciaio non contemplato
1G	71	-342	1	-4	0	0	2	Tipo di acciaio non contemplato
1H	71	-342	2	-4	0	0	2	Tipo di acciaio non contemplato
1I	71	-1247	1	5	0	0	2	Tipo di acciaio non contemplato
1J	71	-1247	2	5	0	0	2	Tipo di acciaio non contemplato
1K	71	-1247	1	-7	0	0	2	Tipo di acciaio non contemplato
1L	71	-1247	2	-7	0	0	2	Tipo di acciaio non contemplato
1M	71	-426	1	5	0	0	2	Tipo di acciaio non contemplato
1N	71	-426	2	5	0	0	2	Tipo di acciaio non contemplato
1O	71	-426	1	-7	0	0	2	Tipo di acciaio non contemplato
1P	71	-426	2	-7	0	0	2	Tipo di acciaio non contemplato
2	71	-1036	2	-2	0	0	3	Tipo di acciaio non contemplato
7	71	-1032	2	-2	0	0	3	Tipo di acciaio non contemplato
8	71	-1053	2	-2	0	0	3	Tipo di acciaio non contemplato
1A	141	-1336	-4	1	0	-2	1	Tipo di acciaio non contemplato
1B	141	-1336	-3	1	0	-2	2	Tipo di acciaio non contemplato
1C	141	-1336	-4	-4	0	4	1	Tipo di acciaio non contemplato
1D	141	-1336	-3	-4	0	4	2	Tipo di acciaio non contemplato
1E	141	-347	-4	1	0	-2	1	Tipo di acciaio non contemplato
1F	141	-347	-3	1	0	-2	2	Tipo di acciaio non contemplato
1G	141	-347	-4	-4	0	4	1	Tipo di acciaio non contemplato
1H	141	-347	-3	-4	0	4	2	Tipo di acciaio non contemplato
1I	141	-1252	-4	5	0	-4	0	Tipo di acciaio non contemplato
1J	141	-1252	-2	5	0	-4	2	Tipo di acciaio non contemplato
1K	141	-1252	-4	-7	0	6	0	Tipo di acciaio non contemplato
1L	141	-1252	-2	-7	0	6	2	Tipo di acciaio non contemplato
1M	141	-431	-4	5	0	-4	0	Tipo di acciaio non contemplato
1N	141	-431	-2	5	0	-4	2	Tipo di acciaio non contemplato
1O	141	-431	-4	-7	0	6	0	Tipo di acciaio non contemplato
1P	141	-431	-2	-7	0	6	2	Tipo di acciaio non contemplato
2	141	-1042	-4	-2	0	1	2	Tipo di acciaio non contemplato
7	141	-1038	-4	-2	0	1	2	Tipo di acciaio non contemplato
8	141	-1059	-4	-2	0	1	2	Tipo di acciaio non contemplato

ASTA NUM. 29 NI 969 NF 358 Lungh. 141.4 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0627 0.0627 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	1137	5	1	0	1	0								Tipo di acciaio non contemplato
1B	0	1137	6	1	0	1	-2								Tipo di acciaio non contemplato
1C	0	1137	5	-0	0	-2	0								Tipo di acciaio non contemplato
1D	0	1137	6	-0	0	-2	-2								Tipo di acciaio non contemplato
1E	0	2393	5	1	0	1	0								Tipo di acciaio non contemplato
1F	0	2393	6	1	0	1	-2								Tipo di acciaio non contemplato
1G	0	2393	5	-0	0	-2	0								Tipo di acciaio non contemplato
1H	0	2393	6	-0	0	-2	-2								Tipo di acciaio non contemplato
1I	0	1434	5	2	0	0	0								Tipo di acciaio non contemplato
1J	0	1434	5	2	0	0	-1								Tipo di acciaio non contemplato
1K	0	1434	5	-2	0	-1	0								Tipo di acciaio non contemplato
1L	0	1434	5	-2	0	-1	-1								Tipo di acciaio non contemplato
1M	0	2096	5	2	0	0	0								Tipo di acciaio non contemplato
1N	0	2096	5	2	0	0	-1								Tipo di acciaio non contemplato
1O	0	2096	5	-2	0	-1	0								Tipo di acciaio non contemplato
1P	0	2096	5	-2	0	-1	-1								Tipo di acciaio non contemplato
2	0	2282	7	0	0	0	-1								Tipo di acciaio non contemplato
7	0	2281	7	0	0	0	-1								Tipo di acciaio non contemplato
8	0	2286	7	0	0	0	-1								Tipo di acciaio non contemplato
1A	71	1141	0	1	0	1	0								Tipo di acciaio non contemplato
1B	71	1141	1	1	0	1	0								Tipo di acciaio non contemplato
1C	71	1141	0	-0	0	-2	0								Tipo di acciaio non contemplato
1D	71	1141	1	-0	0	-2	0								Tipo di acciaio non contemplato
1E	71	2398	0	1	0	1	0								Tipo di acciaio non contemplato
1F	71	2398	1	1	0	1	0								Tipo di acciaio non contemplato
1G	71	2398	0	-0	0	-2	0								Tipo di acciaio non contemplato
1H	71	2398	1	-0	0	-2	0								Tipo di acciaio non contemplato
1I	71	1438	0	2	0	2	0								Tipo di acciaio non contemplato
1J	71	1438	1	2	0	2	0								Tipo di acciaio non contemplato
1K	71	1438	0	-2	0	-3	0								Tipo di acciaio non contemplato
1L	71	1438	1	-2	0	-3	0								Tipo di acciaio non contemplato
1M	71	2101	0	2	0	2	0								Tipo di acciaio non contemplato
1N	71	2101	1	2	0	2	0								Tipo di acciaio non contemplato
1O	71	2101	0	-2	0	-3	0								Tipo di acciaio non contemplato
1P	71	2101	1	-2	0	-3	0								Tipo di acciaio non contemplato
2	71	2288	1	0	0	0	1								Tipo di acciaio non contemplato
7	71	2286	1	0	0	0	1								Tipo di acciaio non contemplato
8	71	2292	1	0	0	0	1								Tipo di acciaio non contemplato
1A	141	1146	-4	1	0	2	0								Tipo di acciaio non contemplato
1B	141	1146	-3	1	0	2	0								Tipo di acciaio non contemplato

1C	141	1146	-4	-0	0	-3	0							Tipo di acciaio non contemplato
1D	141	1146	-3	-0	0	-3	0							Tipo di acciaio non contemplato
1E	141	2402	-4	1	0	2	0							Tipo di acciaio non contemplato
1F	141	2402	-3	1	0	2	0							Tipo di acciaio non contemplato
1G	141	2402	-4	-0	0	-3	0							Tipo di acciaio non contemplato
1H	141	2402	-3	-0	0	-3	0							Tipo di acciaio non contemplato
1I	141	1443	-4	2	0	3	0							Tipo di acciaio non contemplato
1J	141	1443	-4	2	0	3	0							Tipo di acciaio non contemplato
1K	141	1443	-4	-2	0	-4	0							Tipo di acciaio non contemplato
1L	141	1443	-4	-2	0	-4	0							Tipo di acciaio non contemplato
1M	141	2105	-4	2	0	3	0							Tipo di acciaio non contemplato
1N	141	2105	-4	2	0	3	0							Tipo di acciaio non contemplato
1O	141	2105	-4	-2	0	-4	0							Tipo di acciaio non contemplato
1P	141	2105	-4	-2	0	-4	0							Tipo di acciaio non contemplato
2	141	2294	-5	0	0	0	0							Tipo di acciaio non contemplato
7	141	2292	-5	0	0	0	0							Tipo di acciaio non contemplato
8	141	2297	-5	0	0	0	0							Tipo di acciaio non contemplato

ASTA NUM. 30 NI 867 NF 966 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1033	9	0	0	0	1								Tipo di acciaio non contemplato
1B	0	-1033	10	0	0	0	-2								Tipo di acciaio non contemplato
1C	0	-1033	9	-0	0	-1	1								Tipo di acciaio non contemplato
1D	0	-1033	10	-0	0	-1	-2								Tipo di acciaio non contemplato
1E	0	857	9	0	0	0	1								Tipo di acciaio non contemplato
1F	0	857	10	0	0	0	-2								Tipo di acciaio non contemplato
1G	0	857	9	-0	0	-1	1								Tipo di acciaio non contemplato
1H	0	857	10	-0	0	-1	-2								Tipo di acciaio non contemplato
1I	0	-1118	9	0	0	0	0								Tipo di acciaio non contemplato
1J	0	-1118	10	0	0	0	-2								Tipo di acciaio non contemplato
1K	0	-1118	9	-1	0	0	0								Tipo di acciaio non contemplato
1L	0	-1118	10	-1	0	0	-2								Tipo di acciaio non contemplato
1M	0	942	9	0	0	0	0								Tipo di acciaio non contemplato
1N	0	942	10	0	0	0	-2								Tipo di acciaio non contemplato
1O	0	942	9	-1	0	0	0								Tipo di acciaio non contemplato
1P	0	942	10	-1	0	0	-2								Tipo di acciaio non contemplato
2	0	-90	12	-0	0	0	-1								Tipo di acciaio non contemplato
7	0	-89	12	-0	0	0	-1								Tipo di acciaio non contemplato
8	0	-100	12	-0	0	0	0								Tipo di acciaio non contemplato
1A	103	-1033	-0	0	0	0	6								Tipo di acciaio non contemplato
1B	103	-1033	1	0	0	0	3								Tipo di acciaio non contemplato
1C	103	-1033	-0	-0	0	0	6								Tipo di acciaio non contemplato
1D	103	-1033	1	-0	0	0	3								Tipo di acciaio non contemplato
1E	103	857	-0	0	0	0	6								Tipo di acciaio non contemplato
1F	103	857	1	0	0	0	3								Tipo di acciaio non contemplato
1G	103	857	-0	-0	0	0	6								Tipo di acciaio non contemplato
1H	103	857	1	-0	0	0	3								Tipo di acciaio non contemplato
1I	103	-1118	-0	0	0	0	5								Tipo di acciaio non contemplato
1J	103	-1118	1	0	0	0	4								Tipo di acciaio non contemplato
1K	103	-1118	-0	-1	0	0	5								Tipo di acciaio non contemplato
1L	103	-1118	1	-1	0	0	4								Tipo di acciaio non contemplato
1M	103	942	-0	0	0	0	5								Tipo di acciaio non contemplato
1N	103	942	1	0	0	0	4								Tipo di acciaio non contemplato
1O	103	942	-0	-1	0	0	5								Tipo di acciaio non contemplato
1P	103	942	1	-1	0	0	4								Tipo di acciaio non contemplato
2	103	-90	0	-0	0	0	6								Tipo di acciaio non contemplato
7	103	-89	0	-0	0	0	6								Tipo di acciaio non contemplato
8	103	-100	0	-0	0	0	6								Tipo di acciaio non contemplato
1A	206	-1033	-9	0	0	0	0								Tipo di acciaio non contemplato
1B	206	-1033	-8	0	0	0	0								Tipo di acciaio non contemplato
1C	206	-1033	-9	-0	0	0	0								Tipo di acciaio non contemplato
1D	206	-1033	-8	-0	0	0	0								Tipo di acciaio non contemplato
1E	206	857	-9	0	0	0	0								Tipo di acciaio non contemplato
1F	206	857	-8	0	0	0	0								Tipo di acciaio non contemplato
1G	206	857	-9	-0	0	0	0								Tipo di acciaio non contemplato
1H	206	857	-8	-0	0	0	0								Tipo di acciaio non contemplato
1I	206	-1118	-9	0	0	0	0								Tipo di acciaio non contemplato
1J	206	-1118	-8	0	0	0	0								Tipo di acciaio non contemplato
1K	206	-1118	-9	-1	0	0	0								Tipo di acciaio non contemplato
1L	206	-1118	-8	-1	0	0	0								Tipo di acciaio non contemplato
1M	206	942	-9	0	0	0	0								Tipo di acciaio non contemplato
1N	206	942	-8	0	0	0	0								Tipo di acciaio non contemplato
1O	206	942	-9	-1	0	0	0								Tipo di acciaio non contemplato
1P	206	942	-8	-1	0	0	0								Tipo di acciaio non contemplato
2	206	-90	-12	-0	0	0	0								Tipo di acciaio non contemplato
7	206	-89	-12	-0	0	0	0								Tipo di acciaio non contemplato
8	206	-100	-12	-0	0	0	0								Tipo di acciaio non contemplato

ASTA NUM. 31 NI 883 NF 966 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-83	-4	24	0	6	1							Tipo di acciaio non contemplato
1B	0	-83	18	24	0	6	-4							Tipo di acciaio non contemplato
1C	0	-83	-4	-25	0	-6	1							Tipo di acciaio non contemplato
1D	0	-83	18	-25	0	-6	-4							Tipo di acciaio non contemplato
1E	0	151	-4	24	0	6	1							Tipo di acciaio non contemplato
1F	0	151	18	24	0	6	-4							Tipo di acciaio non contemplato
1G	0	151	-4	-25	0	-6	1							Tipo di acciaio non contemplato
1H	0	151	18	-25	0	-6	-4							Tipo di acciaio non contemplato
1I	0	-125	-23	17	0	4	6							Tipo di acciaio non contemplato
1J	0	-125	37	17	0	4	-9							Tipo di acciaio non contemplato
1K	0	-125	-23	-18	0	-5	6							Tipo di acciaio non contemplato
1L	0	-125	37	-18	0	-5	-9							Tipo di acciaio non contemplato
1M	0	192	-23	17	0	4	6							Tipo di acciaio non contemplato
1N	0	192	37	17	0	4	-9							Tipo di acciaio non contemplato
1O	0	192	-23	-18	0	-5	6							Tipo di acciaio non contemplato
1P	0	192	37	-18	0	-5	-9							Tipo di acciaio non contemplato
2	0	38	11	-0	0	0	-2							Tipo di acciaio non contemplato
7	0	37	11	-0	0	0	-2							Tipo di acciaio non contemplato
8	0	40	10	-1	0	0	-2							Tipo di acciaio non contemplato
1A	25	-83	-6	24	0	0	0							Tipo di acciaio non contemplato
1B	25	-83	15	24	0	0	0							Tipo di acciaio non contemplato
1C	25	-83	-6	-25	0	0	0							Tipo di acciaio non contemplato
1D	25	-83	15	-25	0	0	0							Tipo di acciaio non contemplato
1E	25	151	-6	24	0	0	0							Tipo di acciaio non contemplato
1F	25	151	15	24	0	0	0							Tipo di acciaio non contemplato
1G	25	151	-6	-25	0	0	0							Tipo di acciaio non contemplato
1H	25	151	15	-25	0	0	0							Tipo di acciaio non contemplato
1I	25	-125	-25	17	0	0	0							Tipo di acciaio non contemplato
1J	25	-125	34	17	0	0	0							Tipo di acciaio non contemplato
1K	25	-125	-25	-18	0	0	0							Tipo di acciaio non contemplato
1L	25	-125	34	-18	0	0	0							Tipo di acciaio non contemplato
1M	25	192	-25	17	0	0	0							Tipo di acciaio non contemplato
1N	25	192	34	17	0	0	0							Tipo di acciaio non contemplato
1O	25	192	-25	-18	0	0	0							Tipo di acciaio non contemplato
1P	25	192	34	-18	0	0	0							Tipo di acciaio non contemplato
2	25	38	8	-0	0	0	0							Tipo di acciaio non contemplato
7	25	37	8	-0	0	0	0							Tipo di acciaio non contemplato
8	25	40	7	-1	0	0	0							Tipo di acciaio non contemplato
1A	50	-83	-8	24	0	-6	-2							Tipo di acciaio non contemplato
1B	50	-83	13	24	0	-6	4							Tipo di acciaio non contemplato
1C	50	-83	-8	-25	0	6	-2							Tipo di acciaio non contemplato
1D	50	-83	13	-25	0	6	4							Tipo di acciaio non contemplato
1E	50	151	-8	24	0	-6	-2							Tipo di acciaio non contemplato
1F	50	151	13	24	0	-6	4							Tipo di acciaio non contemplato
1G	50	151	-8	-25	0	6	-2							Tipo di acciaio non contemplato
1H	50	151	13	-25	0	6	4							Tipo di acciaio non contemplato
1I	50	-125	-27	17	0	-4	-6							Tipo di acciaio non contemplato
1J	50	-125	32	17	0	-4	8							Tipo di acciaio non contemplato
1K	50	-125	-27	-18	0	4	-6							Tipo di acciaio non contemplato
1L	50	-125	32	-18	0	4	8							Tipo di acciaio non contemplato
1M	50	192	-27	17	0	-4	-6							Tipo di acciaio non contemplato
1N	50	192	32	17	0	-4	8							Tipo di acciaio non contemplato
1O	50	192	-27	-18	0	4	-6							Tipo di acciaio non contemplato
1P	50	192	32	-18	0	4	8							Tipo di acciaio non contemplato
2	50	38	5	-0	0	0	2							Tipo di acciaio non contemplato
7	50	37	5	-0	0	0	2							Tipo di acciaio non contemplato
8	50	40	5	-1	0	0	2							Tipo di acciaio non contemplato

ASTA NUM. 32 NI 966 NF 887 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1399	9	0	0	0	1								Tipo di acciaio non contemplato
1B	0	-1399	9	0	0	0	0								Tipo di acciaio non contemplato
1C	0	-1399	9	0	0	0	1								Tipo di acciaio non contemplato
1D	0	-1399	9	0	0	0	0								Tipo di acciaio non contemplato
1E	0	965	9	0	0	0	1								Tipo di acciaio non contemplato
1F	0	965	9	0	0	0	0								Tipo di acciaio non contemplato
1G	0	965	9	0	0	0	1								Tipo di acciaio non contemplato
1H	0	965	9	0	0	0	0								Tipo di acciaio non contemplato
1I	0	-689	8	0	0	1	1								Tipo di acciaio non contemplato
1J	0	-689	10	0	0	1	0								Tipo di acciaio non contemplato
1K	0	-689	8	0	0	0	1								Tipo di acciaio non contemplato
1L	0	-689	10	0	0	0	0								Tipo di acciaio non contemplato
1M	0	255	8	0	0	1	1								Tipo di acciaio non contemplato
1N	0	255	10	0	0	1	0								Tipo di acciaio non contemplato
1O	0	255	8	0	0	0	1								Tipo di acciaio non contemplato
1P	0	255	10	0	0	0	0								Tipo di acciaio non contemplato
2	0	-264	12	0	0	0	0								Tipo di acciaio non contemplato
7	0	-263	12	0	0	0	0								Tipo di acciaio non contemplato
8	0	-272	12	0	0	0	0								Tipo di acciaio non contemplato
1A	103	-1399	-1	0	0	0	6								Tipo di acciaio non contemplato
1B	103	-1399	0	0	0	0	4								Tipo di acciaio non contemplato
1C	103	-1399	-1	0	0	0	6								Tipo di acciaio non contemplato
1D	103	-1399	0	0	0	0	4								Tipo di acciaio non contemplato
1E	103	965	-1	0	0	0	6								Tipo di acciaio non contemplato

1F	103	965	0	0	0	0	4	Tipo di acciaio non contemplato
1G	103	965	-1	0	0	0	6	Tipo di acciaio non contemplato
1H	103	965	0	0	0	0	4	Tipo di acciaio non contemplato
1I	103	-689	-1	0	0	1	5	Tipo di acciaio non contemplato
1J	103	-689	1	0	0	1	5	Tipo di acciaio non contemplato
1K	103	-689	-1	0	0	0	5	Tipo di acciaio non contemplato
1L	103	-689	1	0	0	0	5	Tipo di acciaio non contemplato
1M	103	255	-1	0	0	1	5	Tipo di acciaio non contemplato
1N	103	255	1	0	0	1	5	Tipo di acciaio non contemplato
1O	103	255	-1	0	0	0	5	Tipo di acciaio non contemplato
1P	103	255	1	0	0	0	5	Tipo di acciaio non contemplato
2	103	-264	-0	0	0	0	6	Tipo di acciaio non contemplato
7	103	-263	-0	0	0	0	6	Tipo di acciaio non contemplato
8	103	-272	-0	0	0	0	6	Tipo di acciaio non contemplato
1A	206	-1399	-10	0	0	0	0	Tipo di acciaio non contemplato
1B	206	-1399	-9	0	0	0	0	Tipo di acciaio non contemplato
1C	206	-1399	-10	0	0	0	0	Tipo di acciaio non contemplato
1D	206	-1399	-9	0	0	0	0	Tipo di acciaio non contemplato
1E	206	965	-10	0	0	0	0	Tipo di acciaio non contemplato
1F	206	965	-9	0	0	0	0	Tipo di acciaio non contemplato
1G	206	965	-10	0	0	0	0	Tipo di acciaio non contemplato
1H	206	965	-9	0	0	0	0	Tipo di acciaio non contemplato
1I	206	-689	-10	0	0	1	-1	Tipo di acciaio non contemplato
1J	206	-689	-8	0	0	1	1	Tipo di acciaio non contemplato
1K	206	-689	-10	0	0	-1	-1	Tipo di acciaio non contemplato
1L	206	-689	-8	0	0	-1	1	Tipo di acciaio non contemplato
1M	206	255	-10	0	0	1	-1	Tipo di acciaio non contemplato
1N	206	255	-8	0	0	1	1	Tipo di acciaio non contemplato
1O	206	255	-10	0	0	-1	-1	Tipo di acciaio non contemplato
1P	206	255	-8	0	0	-1	1	Tipo di acciaio non contemplato
2	206	-264	-12	0	0	0	0	Tipo di acciaio non contemplato
7	206	-263	-12	0	0	0	0	Tipo di acciaio non contemplato
8	206	-272	-12	0	0	0	0	Tipo di acciaio non contemplato

ASTA NUM. 33 NI 887 NF 358 Lungh. 206.2 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1164	9	0	0	0	0								Tipo di acciaio non contemplato
1B	0	-1164	9	0	0	0	-1								Tipo di acciaio non contemplato
1C	0	-1164	9	-0	0	0	0								Tipo di acciaio non contemplato
1D	0	-1164	9	-0	0	0	-1								Tipo di acciaio non contemplato
1E	0	729	9	0	0	0	0								Tipo di acciaio non contemplato
1F	0	729	9	0	0	0	-1								Tipo di acciaio non contemplato
1G	0	729	9	-0	0	0	0								Tipo di acciaio non contemplato
1H	0	729	9	-0	0	0	-1								Tipo di acciaio non contemplato
1I	0	-1087	9	0	0	0	0								Tipo di acciaio non contemplato
1J	0	-1087	9	0	0	0	0								Tipo di acciaio non contemplato
1K	0	-1087	9	-1	0	0	0								Tipo di acciaio non contemplato
1L	0	-1087	9	-1	0	0	0								Tipo di acciaio non contemplato
1M	0	653	9	0	0	0	0								Tipo di acciaio non contemplato
1N	0	653	9	0	0	0	0								Tipo di acciaio non contemplato
1O	0	653	9	-1	0	0	0								Tipo di acciaio non contemplato
1P	0	653	9	-1	0	0	0								Tipo di acciaio non contemplato
2	0	-284	12	-0	0	0	0								Tipo di acciaio non contemplato
7	0	-285	12	-0	0	0	0								Tipo di acciaio non contemplato
8	0	-284	12	-0	0	0	0								Tipo di acciaio non contemplato
1A	103	-1164	-0	0	0	0	5								Tipo di acciaio non contemplato
1B	103	-1164	-0	0	0	0	3								Tipo di acciaio non contemplato
1C	103	-1164	-0	-0	0	0	5								Tipo di acciaio non contemplato
1D	103	-1164	-0	-0	0	0	3								Tipo di acciaio non contemplato
1E	103	729	-0	0	0	0	5								Tipo di acciaio non contemplato
1F	103	729	-0	0	0	0	3								Tipo di acciaio non contemplato
1G	103	729	-0	-0	0	0	5								Tipo di acciaio non contemplato
1H	103	729	-0	-0	0	0	3								Tipo di acciaio non contemplato
1I	103	-1087	-0	0	0	0	5								Tipo di acciaio non contemplato
1J	103	-1087	-0	0	0	0	4								Tipo di acciaio non contemplato
1K	103	-1087	-0	-1	0	0	5								Tipo di acciaio non contemplato
1L	103	-1087	-0	-1	0	0	4								Tipo di acciaio non contemplato
1M	103	653	-0	0	0	0	5								Tipo di acciaio non contemplato
1N	103	653	-0	0	0	0	4								Tipo di acciaio non contemplato
1O	103	653	-0	-1	0	0	5								Tipo di acciaio non contemplato
1P	103	653	-0	-1	0	0	4								Tipo di acciaio non contemplato
2	103	-284	-0	-0	0	0	6								Tipo di acciaio non contemplato
7	103	-285	-0	-0	0	0	6								Tipo di acciaio non contemplato
8	103	-284	-0	-0	0	0	6								Tipo di acciaio non contemplato
1A	206	-1164	-9	0	0	0	0								Tipo di acciaio non contemplato
1B	206	-1164	-9	0	0	0	-1								Tipo di acciaio non contemplato
1C	206	-1164	-9	-0	0	0	0								Tipo di acciaio non contemplato
1D	206	-1164	-9	-0	0	0	-1								Tipo di acciaio non contemplato
1E	206	729	-9	0	0	0	0								Tipo di acciaio non contemplato
1F	206	729	-9	0	0	0	-1								Tipo di acciaio non contemplato
1G	206	729	-9	-0	0	0	0								Tipo di acciaio non contemplato
1H	206	729	-9	-0	0	0	-1								Tipo di acciaio non contemplato
1I	206	-1087	-9	0	0	0	0								Tipo di acciaio non contemplato
1J	206	-1087	-9	0	0	0	-2								Tipo di acciaio non contemplato
1K	206	-1087	-9	-1	0	0	0								Tipo di acciaio non contemplato
1L	206	-1087	-9	-1	0	0	-2								Tipo di acciaio non contemplato

1M	206	653	-9	0	0	0	0	Tipo di acciaio non contemplato
1N	206	653	-9	0	0	0	-2	Tipo di acciaio non contemplato
1O	206	653	-9	-1	0	0	0	Tipo di acciaio non contemplato
1P	206	653	-9	-1	0	0	-2	Tipo di acciaio non contemplato
2	206	-284	-12	-0	0	0	0	Tipo di acciaio non contemplato
7	206	-285	-12	-0	0	0	0	Tipo di acciaio non contemplato
8	206	-284	-12	-0	0	0	0	Tipo di acciaio non contemplato

ASTA NUM. 34 NI 887 NF 967 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m						kg/cmq			
1A	0	-4	-2	20	0	5	0								Tipo di acciaio non contemplato
1B	0	-4	23	20	0	5	-5								Tipo di acciaio non contemplato
1C	0	-4	-2	-26	0	-7	0								Tipo di acciaio non contemplato
1D	0	-4	23	-26	0	-7	-5								Tipo di acciaio non contemplato
1E	0	76	-2	20	0	5	0								Tipo di acciaio non contemplato
1F	0	76	23	20	0	5	-5								Tipo di acciaio non contemplato
1G	0	76	-2	-26	0	-7	0								Tipo di acciaio non contemplato
1H	0	76	23	-26	0	-7	-5								Tipo di acciaio non contemplato
1I	0	-0	-19	14	0	4	5								Tipo di acciaio non contemplato
1J	0	-0	40	14	0	4	-10								Tipo di acciaio non contemplato
1K	0	-0	-19	-20	0	-5	5								Tipo di acciaio non contemplato
1L	0	-0	40	-20	0	-5	-10								Tipo di acciaio non contemplato
1M	0	71	-19	14	0	4	5								Tipo di acciaio non contemplato
1N	0	71	40	14	0	4	-10								Tipo di acciaio non contemplato
1O	0	71	-19	-20	0	-5	5								Tipo di acciaio non contemplato
1P	0	71	40	-20	0	-5	-10								Tipo di acciaio non contemplato
2	0	44	15	-4	0	0	-3								Tipo di acciaio non contemplato
7	0	44	16	-4	0	0	-3								Tipo di acciaio non contemplato
8	0	45	15	-4	0	0	-3								Tipo di acciaio non contemplato
1A	25	-4	-4	20	0	0	0								Tipo di acciaio non contemplato
1B	25	-4	20	20	0	0	0								Tipo di acciaio non contemplato
1C	25	-4	-4	-26	0	0	0								Tipo di acciaio non contemplato
1D	25	-4	20	-26	0	0	0								Tipo di acciaio non contemplato
1E	25	76	-4	20	0	0	0								Tipo di acciaio non contemplato
1F	25	76	20	20	0	0	0								Tipo di acciaio non contemplato
1G	25	76	-4	-26	0	0	0								Tipo di acciaio non contemplato
1H	25	76	20	-26	0	0	0								Tipo di acciaio non contemplato
1I	25	-0	-21	14	0	0	0								Tipo di acciaio non contemplato
1J	25	-0	38	14	0	0	0								Tipo di acciaio non contemplato
1K	25	-0	-21	-20	0	0	0								Tipo di acciaio non contemplato
1L	25	-0	38	-20	0	0	0								Tipo di acciaio non contemplato
1M	25	71	-21	14	0	0	0								Tipo di acciaio non contemplato
1N	25	71	38	14	0	0	0								Tipo di acciaio non contemplato
1O	25	71	-21	-20	0	0	0								Tipo di acciaio non contemplato
1P	25	71	38	-20	0	0	0								Tipo di acciaio non contemplato
2	25	44	13	-4	0	0	0								Tipo di acciaio non contemplato
7	25	44	13	-4	0	0	0								Tipo di acciaio non contemplato
8	25	45	12	-4	0	0	0								Tipo di acciaio non contemplato
1A	50	-4	-6	20	0	-5	-1								Tipo di acciaio non contemplato
1B	50	-4	18	20	0	-5	5								Tipo di acciaio non contemplato
1C	50	-4	-6	-26	0	6	-1								Tipo di acciaio non contemplato
1D	50	-4	18	-26	0	6	5								Tipo di acciaio non contemplato
1E	50	76	-6	20	0	-5	-1								Tipo di acciaio non contemplato
1F	50	76	18	20	0	-5	5								Tipo di acciaio non contemplato
1G	50	76	-6	-26	0	6	-1								Tipo di acciaio non contemplato
1H	50	76	18	-26	0	6	5								Tipo di acciaio non contemplato
1I	50	-0	-24	14	0	-4	-5								Tipo di acciaio non contemplato
1J	50	-0	35	14	0	-4	9								Tipo di acciaio non contemplato
1K	50	-0	-24	-20	0	5	-5								Tipo di acciaio non contemplato
1L	50	-0	35	-20	0	5	9								Tipo di acciaio non contemplato
1M	50	71	-24	14	0	-4	-5								Tipo di acciaio non contemplato
1N	50	71	35	14	0	-4	9								Tipo di acciaio non contemplato
1O	50	71	-24	-20	0	5	-5								Tipo di acciaio non contemplato
1P	50	71	35	-20	0	5	9								Tipo di acciaio non contemplato
2	50	44	10	-4	0	0	3								Tipo di acciaio non contemplato
7	50	44	10	-4	0	0	3								Tipo di acciaio non contemplato
8	50	45	9	-4	0	0	3								Tipo di acciaio non contemplato

AMV s.r.l.
Via San Lorenzo, 106 Tel. 0481/779903
34077 Ronchi dei Legionari (GO)

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **10** Descrizione: **Travi aggiuntive**
Tabella: **Tabella travi** Struttura: **Nuova**
Tipo acciaio: **S 275**

ASTA NUM. 1 NI 680 NF 415 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1431	-1760	1008	0	949	882	19.7	870.6	65.8	0.0	890.3	1	
1B	0	-1431	555	1008	0	949	26	19.7	776.0	35.0	0.0	795.7	1	
1C	0	-1431	-1760	-1163	0	-1050	882	19.7	953.6	65.8	0.0	973.2	1	
1D	0	-1431	555	-1163	0	-1050	26	19.7	859.0	40.4	0.0	878.6	1	
1E	0	3925	-1760	1008	0	949	882	54.0	870.6	65.8	0.0	924.6	1	
1F	0	3925	555	1008	0	949	26	54.0	776.0	35.0	0.0	830.0	1	
1G	0	3925	-1760	-1163	0	-1050	882	54.0	953.6	65.8	0.0	1007.6	1	
1H	0	3925	555	-1163	0	-1050	26	54.0	859.0	40.4	0.0	912.9	1	
1I	0	-641	-1070	2059	0	2075	683	8.8	1766.9	71.5	0.0	1775.7	1	
1J	0	-641	-135	2059	0	2075	225	8.8	1716.1	71.5	0.0	1724.9	1	
1K	0	-641	-1070	-2214	0	-2177	683	8.8	1849.9	76.9	0.0	1858.7	1	
1L	0	-641	-135	-2214	0	-2177	225	8.8	1799.1	76.9	0.0	1807.9	1	
1M	0	3135	-1070	2059	0	2075	683	43.1	1766.9	71.5	0.0	1810.0	1	
1N	0	3135	-135	2059	0	2075	225	43.1	1716.1	71.5	0.0	1759.3	1	
1O	0	3135	-1070	-2214	0	-2177	683	43.1	1849.9	76.9	0.0	1893.0	1	
1P	0	3135	-135	-2214	0	-2177	225	43.1	1799.1	76.9	0.0	1842.2	1	
2	0	2916	-2542	-882	0	-742	2244	40.1	852.9	95.1	0.0	893.0	1	
7	0	2311	-2024	-877	0	-748	1768	31.8	805.1	75.7	0.0	836.9	1	
8	0	2597	-2019	-599	0	-496	1754	35.7	598.4	75.5	0.0	634.1	1	
1A	75	-1431	-1803	1008	0	190	-461	19.7	206.1	67.4	0.0	225.8	1	
1B	75	-1431	512	1008	0	190	433	19.7	203.0	35.0	0.0	222.7	1	
1C	75	-1431	-1803	-1163	0	-176	-461	19.7	194.4	67.4	0.0	214.1	1	
1D	75	-1431	512	-1163	0	-176	433	19.7	191.3	40.4	0.0	211.0	1	
1E	75	3925	-1803	1008	0	190	-461	54.0	206.1	67.4	0.0	260.1	1	
1F	75	3925	512	1008	0	190	433	54.0	203.0	35.0	0.0	257.0	1	
1G	75	3925	-1803	-1163	0	-176	-461	54.0	194.4	67.4	0.0	248.4	1	
1H	75	3925	512	-1163	0	-176	433	54.0	191.3	40.4	0.0	245.3	1	
1I	75	-641	-1113	2059	0	529	-144	8.8	447.0	71.5	0.0	455.8	1	
1J	75	-641	-178	2059	0	529	116	8.8	443.9	71.5	0.0	452.7	1	
1K	75	-641	-1113	-2214	0	-515	-144	8.8	435.3	76.9	0.0	444.1	1	
1L	75	-641	-178	-2214	0	-515	116	8.8	432.2	76.9	0.0	441.0	1	
1M	75	3135	-1113	2059	0	529	-144	43.1	447.0	71.5	0.0	490.1	1	
1N	75	3135	-178	2059	0	529	116	43.1	443.9	71.5	0.0	487.0	1	
1O	75	3135	-1113	-2214	0	-515	-144	43.1	435.3	76.9	0.0	478.4	1	
1P	75	3135	-178	-2214	0	-515	116	43.1	432.2	76.9	0.0	475.3	1	
2	75	2916	-2598	-882	0	-81	316	40.1	100.7	97.2	0.0	173.8	4	
7	75	2311	-2080	-877	0	-90	229	31.8	99.0	77.8	0.0	139.3	4	
8	75	2597	-2074	-599	0	-47	219	35.7	62.4	77.6	0.0	139.5	4	
1A	150	-1431	-1846	1008	0	-568	-1835	19.7	665.8	69.0	0.0	685.4	1	
1B	150	-1431	470	1008	0	-568	807	19.7	552.0	35.0	0.0	571.7	1	
1C	150	-1431	-1846	-1163	0	698	-1835	19.7	772.1	69.0	0.0	791.8	1	
1D	150	-1431	470	-1163	0	698	807	19.7	658.3	40.4	0.0	678.0	1	
1E	150	3925	-1846	1008	0	-568	-1835	54.0	665.8	69.0	0.0	719.7	1	
1F	150	3925	470	1008	0	-568	807	54.0	552.0	35.0	0.0	606.0	1	
1G	150	3925	-1846	-1163	0	698	-1835	54.0	772.1	69.0	0.0	826.1	1	
1H	150	3925	470	-1163	0	698	807	54.0	658.3	40.4	0.0	712.3	1	
1I	150	-641	-1156	2059	0	-1018	-1004	8.8	940.4	71.5	0.0	949.2	1	
1J	150	-641	-220	2059	0	-1018	-24	8.8	831.9	71.5	0.0	840.8	1	
1K	150	-641	-1156	-2214	0	1148	-1004	8.8	1046.7	76.9	0.0	1055.5	1	
1L	150	-641	-220	-2214	0	1148	-24	8.8	938.3	76.9	0.0	947.1	1	
1M	150	3135	-1156	2059	0	-1018	-1004	43.1	940.4	71.5	0.0	983.5	1	
1N	150	3135	-220	2059	0	-1018	-24	43.1	831.9	71.5	0.0	875.1	1	
1O	150	3135	-1156	-2214	0	1148	-1004	43.1	1046.7	76.9	0.0	1089.8	1	
1P	150	3135	-220	-2214	0	1148	-24	43.1	938.3	76.9	0.0	981.4	1	
2	150	2916	-2654	-882	0	581	-1653	40.1	656.1	99.3	0.0	696.2	1	
7	150	2311	-2135	-877	0	567	-1351	31.8	611.8	79.9	0.0	643.6	1	
8	150	2597	-2130	-599	0	402	-1358	35.7	478.3	79.7	0.0	514.0	1	

ASTA NUM. 2 NI 417 NF 680 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-564	-626	782	0	499	1847	7.8	611.1	27.1	0.0	618.9	1
1B	0	-564	1251	782	0	499	-1747	7.8	600.2	46.8	0.0	607.9	1
1C	0	-564	-626	-672	0	-445	1847	7.8	566.8	23.4	0.0	574.6	1
1D	0	-564	1251	-672	0	-445	-1747	7.8	555.9	46.8	0.0	563.6	1
1E	0	2982	-626	782	0	499	1847	41.0	611.1	27.1	0.0	652.2	1
1F	0	2982	1251	782	0	499	-1747	41.0	600.2	46.8	0.0	641.2	1
1G	0	2982	-626	-672	0	-445	1847	41.0	566.8	23.4	0.0	607.8	1
1H	0	2982	1251	-672	0	-445	-1747	41.0	555.9	46.8	0.0	596.9	1
1I	0	-478	-8	1974	0	1301	698	6.6	1137.3	68.6	0.0	1143.9	1
1J	0	-478	633	1974	0	1301	-599	6.6	1126.4	68.6	0.0	1132.9	1
1K	0	-478	-8	-1865	0	-1246	698	6.6	1093.0	64.8	0.0	1099.6	1
1L	0	-478	633	-1865	0	-1246	-599	6.6	1082.1	64.8	0.0	1088.6	1
1M	0	2896	-8	1974	0	1301	698	39.8	1137.3	68.6	0.0	1177.2	1
1N	0	2896	633	1974	0	1301	-599	39.8	1126.4	68.6	0.0	1166.2	1
1O	0	2896	-8	-1865	0	-1246	698	39.8	1093.0	64.8	0.0	1132.9	1
1P	0	2896	633	-1865	0	-1246	-599	39.8	1082.1	64.8	0.0	1121.9	1
2	0	2578	1667	756	0	477	-176	35.5	408.5	62.4	0.0	444.0	1
7	0	2021	1298	759	0	494	-99	27.8	413.6	48.6	0.0	441.4	1
8	0	2350	1283	508	0	315	-89	32.3	266.9	48.0	0.0	299.2	1
1A	75	-564	-669	782	0	-88	1375	7.8	224.2	27.1	0.0	231.9	1
1B	75	-564	1208	782	0	-88	-839	7.8	164.9	45.2	0.0	172.6	1
1C	75	-564	-669	-672	0	61	1375	7.8	201.6	25.0	0.0	209.3	1
1D	75	-564	1208	-672	0	61	-839	7.8	142.3	45.2	0.0	150.1	1
1E	75	2982	-669	782	0	-88	1375	41.0	224.2	27.1	0.0	265.2	1
1F	75	2982	1208	782	0	-88	-839	41.0	164.9	45.2	0.0	205.9	1
1G	75	2982	-669	-672	0	61	1375	41.0	201.6	25.0	0.0	242.6	1
1H	75	2982	1208	-672	0	61	-839	41.0	142.3	45.2	0.0	183.3	1
1I	75	-478	-51	1974	0	-183	700	6.6	226.4	68.6	0.0	233.0	1
1J	75	-478	590	1974	0	-183	-165	6.6	167.1	68.6	0.0	173.7	1
1K	75	-478	-51	-1865	0	155	700	6.6	203.8	64.8	0.0	210.4	1
1L	75	-478	590	-1865	0	155	-165	6.6	144.5	64.8	0.0	151.1	1
1M	75	2896	-51	1974	0	-183	700	39.8	226.4	68.6	0.0	266.2	1
1N	75	2896	590	1974	0	-183	-165	39.8	167.1	68.6	0.0	207.0	1
1O	75	2896	-51	-1865	0	155	700	39.8	203.8	64.8	0.0	243.6	1
1P	75	2896	590	-1865	0	155	-165	39.8	144.5	64.8	0.0	184.4	1
2	75	2578	1612	756	0	-89	1054	35.5	189.4	60.3	0.0	224.8	1
7	75	2021	1242	759	0	-75	854	27.8	155.9	46.5	0.0	183.7	1
8	75	2350	1228	508	0	-66	853	32.3	148.1	45.9	0.0	180.4	1
1A	150	-564	-711	782	0	-676	871	7.8	647.3	27.1	0.0	655.1	1
1B	150	-564	1165	782	0	-676	37	7.8	555.0	43.6	0.0	562.7	1
1C	150	-564	-711	-672	0	566	871	7.8	557.8	26.6	0.0	565.6	1
1D	150	-564	1165	-672	0	566	37	7.8	465.5	43.6	0.0	473.2	1
1E	150	2982	-711	782	0	-676	871	41.0	647.3	27.1	0.0	688.3	1
1F	150	2982	1165	782	0	-676	37	41.0	555.0	43.6	0.0	596.0	1
1G	150	2982	-711	-672	0	566	871	41.0	557.8	26.6	0.0	598.8	1
1H	150	2982	1165	-672	0	566	37	41.0	465.5	43.6	0.0	506.5	1
1I	150	-478	-94	1974	0	-1666	670	6.6	1432.1	68.6	0.0	1438.7	1
1J	150	-478	547	1974	0	-1666	238	6.6	1384.2	68.6	0.0	1390.8	1
1K	150	-478	-94	-1865	0	1556	670	6.6	1342.6	64.8	0.0	1349.2	1
1L	150	-478	547	-1865	0	1556	238	6.6	1294.8	64.8	0.0	1301.3	1
1M	150	2896	-94	1974	0	-1666	670	39.8	1432.1	68.6	0.0	1472.0	1
1N	150	2896	547	1974	0	-1666	238	39.8	1384.2	68.6	0.0	1424.1	1
1O	150	2896	-94	-1865	0	1556	670	39.8	1342.6	64.8	0.0	1382.5	1
1P	150	2896	547	-1865	0	1556	238	39.8	1294.8	64.8	0.0	1334.6	1
2	150	2578	1556	756	0	-656	2242	35.5	782.7	58.2	0.0	818.1	1
7	150	2021	1187	759	0	-645	1765	27.8	720.8	44.4	0.0	748.6	1
8	150	2350	1172	508	0	-447	1753	32.3	558.5	43.8	0.0	590.8	1

ASTA NUM. 3 NI 415 NF 414 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3053	-620	966	0	550	888	42.0	546.4	33.6	0.0	588.3	1	
1B	0	-3053	865	966	0	550	-1468	42.0	610.6	33.6	0.0	652.6	1	
1C	0	-3053	-620	-734	0	-384	888	42.0	411.3	25.5	0.0	453.3	1	
1D	0	-3053	865	-734	0	-384	-1468	42.0	475.5	32.3	0.0	517.5	1	
1E	0	6239	-620	966	0	550	888	85.8	546.4	33.6	0.0	632.2	1	
1F	0	6239	865	966	0	550	-1468	85.8	610.6	33.6	0.0	696.4	1	
1G	0	6239	-620	-734	0	-384	888	85.8	411.3	25.5	0.0	497.1	1	
1H	0	6239	865	-734	0	-384	-1468	85.8	475.5	32.3	0.0	561.3	1	
1I	0	-4516	-596	2348	0	1284	519	62.1	1103.8	81.6	0.0	1165.9	1	
1J	0	-4516	841	2348	0	1284	-1099	62.1	1168.0	81.6	0.0	1230.1	1	
1K	0	-4516	-596	-2115	0	-1118	519	62.1	968.7	73.5	0.0	1030.9	1	
1L	0	-4516	841	-2115	0	-1118	-1099	62.1	1033.0	73.5	0.0	1095.1	1	
1M	0	7702	-596	2348	0	1284	519	105.9	1103.8	81.6	0.0	1209.8	1	
1N	0	7702	841	2348	0	1284	-1099	105.9	1168.0	81.6	0.0	1274.0	1	
1O	0	7702	-596	-2115	0	-1118	519	105.9	968.7	73.5	0.0	1074.7	1	
1P	0	7702	841	-2115	0	-1118	-1099	105.9	1033.0	73.5	0.0	1138.9	1	
2	0	1883	1994	92	0	173	-1673	25.9	326.3	74.6	0.0	352.2	1	
7	0	1278	1482	1	0	118	-1322	17.6	242.5	55.4	0.0	260.1	1	
8	0	2087	1438	127	0	158	-1280	28.7	270.0	53.8	0.0	298.7	1	
1A	75	-3053	-662	966	0	-185	525	42.0	208.6	33.6	0.0	250.6	1	
1B	75	-3053	822	966	0	-185	-953	42.0	256.0	33.6	0.0	298.0	1	
1C	75	-3053	-662	-734	0	176	525	42.0	201.4	25.5	0.0	243.4	1	
1D	75	-3053	822	-734	0	176	-953	42.0	248.8	30.7	0.0	290.8	1	
1E	75	6239	-662	966	0	-185	525	85.8	208.6	33.6	0.0	294.4	1	
1F	75	6239	822	966	0	-185	-953	85.8	256.0	33.6	0.0	341.8	1	

1G	75	6239	-662	-734	0	176	525	85.8	201.4	25.5	0.0	287.2	1
1H	75	6239	822	-734	0	176	-953	85.8	248.8	30.7	0.0	334.6	1
1I	75	-4516	-638	2348	0	-481	-18	62.1	393.8	81.6	0.0	455.9	1
1J	75	-4516	798	2348	0	-481	-410	62.1	437.2	81.6	0.0	499.3	1
1K	75	-4516	-638	-2115	0	472	-18	62.1	386.6	73.5	0.0	448.7	1
1L	75	-4516	798	-2115	0	472	-410	62.1	430.0	73.5	0.0	492.1	1
1M	75	7702	-638	2348	0	-481	-18	105.9	393.8	81.6	0.0	499.8	1
1N	75	7702	798	2348	0	-481	-410	105.9	437.2	81.6	0.0	543.2	1
1O	75	7702	-638	-2115	0	472	-18	105.9	386.6	73.5	0.0	492.5	1
1P	75	7702	798	-2115	0	472	-410	105.9	430.0	73.5	0.0	535.9	1
2	75	1883	1938	92	0	105	-198	25.9	107.1	72.5	0.0	133.0	1
7	75	1278	1426	1	0	117	-231	17.6	120.9	53.4	0.0	138.5	1
8	75	2087	1382	127	0	62	-222	28.7	75.3	51.7	0.0	104.0	1
1A	150	-3053	-705	966	0	-919	129	42.0	763.5	33.6	0.0	805.5	1
1B	150	-3053	779	966	0	-919	-470	42.0	801.2	33.6	0.0	843.2	1
1C	150	-3053	-705	-734	0	736	129	42.0	614.0	26.4	0.0	656.0	1
1D	150	-3053	779	-734	0	736	-470	42.0	651.7	29.1	0.0	693.7	1
1E	150	6239	-705	966	0	-919	129	85.8	763.5	33.6	0.0	849.3	1
1F	150	6239	779	966	0	-919	-470	85.8	801.2	33.6	0.0	887.1	1
1G	150	6239	-705	-734	0	736	129	85.8	614.0	26.4	0.0	699.8	1
1H	150	6239	779	-734	0	736	-470	85.8	651.7	29.1	0.0	737.5	1
1I	150	-4516	-681	2348	0	-2246	-587	62.1	1895.0	81.6	0.0	1957.1	1
1J	150	-4516	755	2348	0	-2246	246	62.1	1857.3	81.6	0.0	1919.4	1
1K	150	-4516	-681	-2115	0	2062	-587	62.1	1745.5	73.5	0.0	1807.6	1
1L	150	-4516	755	-2115	0	2062	246	62.1	1707.7	73.5	0.0	1769.8	1
1M	150	7702	-681	2348	0	-2246	-587	105.9	1895.0	81.6	0.0	2000.9	1
1N	150	7702	755	2348	0	-2246	246	105.9	1857.3	81.6	0.0	1963.2	1
1O	150	7702	-681	-2115	0	2062	-587	105.9	1745.5	73.5	0.0	1851.4	1
1P	150	7702	755	-2115	0	2062	246	105.9	1707.7	73.5	0.0	1813.7	1
2	150	1883	1883	92	0	36	1235	25.9	165.8	70.4	0.0	191.7	1
7	150	1278	1371	1	0	116	818	17.6	184.9	51.3	0.0	202.5	1
8	150	2087	1327	127	0	-33	794	28.7	114.7	49.6	0.0	143.4	1

ASTA NUM. 4 NI 414 NF 413 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4121	-1711	454	0	449	130	56.7	380.5	64.0	0.0	437.2	1	
1B	0	-4121	139	454	0	449	-471	56.7	418.3	15.8	0.0	475.0	1	
1C	0	-4121	-1711	-646	0	-632	130	56.7	529.8	64.0	0.0	586.5	1	
1D	0	-4121	139	-646	0	-632	-471	56.7	567.6	22.4	0.0	624.2	1	
1E	0	7181	-1711	454	0	449	130	98.8	380.5	64.0	0.0	479.3	1	
1F	0	7181	139	454	0	449	-471	98.8	418.3	15.8	0.0	517.0	1	
1G	0	7181	-1711	-646	0	-632	130	98.8	529.8	64.0	0.0	628.6	1	
1H	0	7181	139	-646	0	-632	-471	98.8	567.6	22.4	0.0	666.3	1	
1I	0	-5520	-1604	1207	0	1326	259	75.9	1108.9	60.0	0.0	1184.9	1	
1J	0	-5520	32	1207	0	1326	-600	75.9	1146.7	41.9	0.0	1222.6	1	
1K	0	-5520	-1604	-1398	0	-1509	259	75.9	1258.2	60.0	0.0	1334.1	1	
1L	0	-5520	32	-1398	0	-1509	-600	75.9	1296.0	48.6	0.0	1371.9	1	
1M	0	8580	-1604	1207	0	1326	259	118.0	1108.9	60.0	0.0	1227.0	1	
1N	0	8580	32	1207	0	1326	-600	118.0	1146.7	41.9	0.0	1264.7	1	
1O	0	8580	-1604	-1398	0	-1509	259	118.0	1258.2	60.0	0.0	1376.2	1	
1P	0	8580	32	-1398	0	-1509	-600	118.0	1296.0	48.6	0.0	1414.0	1	
2	0	1449	-2117	-169	0	-111	1238	19.9	227.4	79.2	0.0	247.4	1	
7	0	965	-1751	-71	0	-22	820	13.3	108.5	65.5	0.0	131.7	3	
8	0	1753	-1795	-171	0	-130	795	24.1	193.8	67.1	0.0	217.9	1	
1A	75	-4121	-1754	454	0	100	-1291	56.7	224.7	65.6	0.0	281.3	1	
1B	75	-4121	96	454	0	100	-261	56.7	110.7	15.8	0.0	167.4	1	
1C	75	-4121	-1754	-646	0	-140	-1291	56.7	256.7	65.6	0.0	313.4	1	
1D	75	-4121	96	-646	0	-140	-261	56.7	142.7	22.4	0.0	199.4	1	
1E	75	7181	-1754	454	0	100	-1291	98.8	224.7	65.6	0.0	323.4	1	
1F	75	7181	96	454	0	100	-261	98.8	110.7	15.8	0.0	209.4	1	
1G	75	7181	-1754	-646	0	-140	-1291	98.8	256.7	65.6	0.0	355.5	1	
1H	75	7181	96	-646	0	-140	-261	98.8	142.7	22.4	0.0	241.5	1	
1I	75	-5520	-1647	1207	0	418	205	75.9	363.5	61.6	0.0	439.5	1	
1J	75	-5520	-11	1207	0	418	-1757	75.9	535.3	41.9	0.0	611.2	1	
1K	75	-5520	-1647	-1398	0	-458	205	75.9	395.6	61.6	0.0	471.5	1	
1L	75	-5520	-11	-1398	0	-458	-1757	75.9	567.3	48.6	0.0	643.3	1	
1M	75	8580	-1647	1207	0	418	205	118.0	363.5	61.6	0.0	481.5	1	
1N	75	8580	-11	1207	0	418	-1757	118.0	535.3	41.9	0.0	653.3	1	
1O	75	8580	-1647	-1398	0	-458	205	118.0	395.6	61.6	0.0	513.6	1	
1P	75	8580	-11	-1398	0	-458	-1757	118.0	567.3	48.6	0.0	685.3	1	
2	75	1449	-2172	-169	0	16	-371	19.9	54.1	81.3	0.0	142.2	4	
7	75	965	-1806	-71	0	32	-514	13.3	82.7	67.6	0.0	117.9	4	
8	75	1753	-1850	-171	0	-1	-572	24.1	64.5	69.2	0.0	124.6	3	
1A	150	-4121	-1797	454	0	-249	-2745	56.7	506.2	67.2	0.0	562.9	1	
1B	150	-4121	53	454	0	-249	-83	56.7	211.8	15.8	0.0	268.5	1	
1C	150	-4121	-1797	-646	0	353	-2745	56.7	591.4	67.2	0.0	648.1	1	
1D	150	-4121	53	-646	0	353	-83	56.7	297.0	22.4	0.0	353.7	1	
1E	150	7181	-1797	454	0	-249	-2745	98.8	506.2	67.2	0.0	605.0	1	
1F	150	7181	53	454	0	-249	-83	98.8	211.8	15.8	0.0	310.6	1	
1G	150	7181	-1797	-646	0	353	-2745	98.8	591.4	67.2	0.0	690.2	1	
1H	150	7181	53	-646	0	353	-83	98.8	297.0	22.4	0.0	395.8	1	
1I	150	-5520	-1689	1207	0	-489	118	75.9	411.6	63.2	0.0	487.5	1	
1J	150	-5520	-54	1207	0	-489	-2946	75.9	724.4	41.9	0.0	800.4	1	
1K	150	-5520	-1689	-1398	0	594	118	75.9	496.8	63.2	0.0	572.7	1	
1L	150	-5520	-54	-1398	0	594	-2946	75.9	809.6	48.6	0.0	885.6	1	
1M	150	8580	-1689	1207	0	-489	118	118.0	411.6	63.2	0.0	529.6	1	

1N	150	8580	-54	1207	0	-489	-2946	118.0	724.4	41.9	0.0	842.5	1
1O	150	8580	-1689	-1398	0	594	118	118.0	496.8	63.2	0.0	614.8	1
1P	150	8580	-54	-1398	0	594	-2946	118.0	809.6	48.6	0.0	927.7	1
2	150	1449	-2228	-169	0	143	-2021	19.9	340.2	83.3	0.0	360.1	1
7	150	965	-1862	-71	0	85	-1889	13.3	278.6	69.6	0.0	291.9	1
8	150	1753	-1906	-171	0	127	-1981	24.1	322.6	71.3	0.0	346.7	1

ASTA NUM. 5 NI 721 NF 391 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1121	-357	687	0	467	1305	15.4	525.0	23.9	0.0	540.4	1	
1B	0	-1121	1168	687	0	467	-1509	15.4	547.5	43.7	0.0	563.0	1	
1C	0	-1121	-357	-725	0	-461	1305	15.4	520.0	25.2	0.0	535.4	1	
1D	0	-1121	1168	-725	0	-461	-1509	15.4	542.5	43.7	0.0	557.9	1	
1E	0	2214	-357	687	0	467	1305	30.5	525.0	23.9	0.0	555.4	1	
1F	0	2214	1168	687	0	467	-1509	30.5	547.5	43.7	0.0	578.0	1	
1G	0	2214	-357	-725	0	-461	1305	30.5	520.0	25.2	0.0	550.4	1	
1H	0	2214	1168	-725	0	-461	-1509	30.5	542.5	43.7	0.0	573.0	1	
1I	0	-1605	61	1892	0	1272	579	22.1	1101.1	65.7	0.0	1123.2	1	
1J	0	-1605	749	1892	0	1272	-783	22.1	1123.7	65.7	0.0	1145.8	1	
1K	0	-1605	61	-1930	0	-1266	579	22.1	1096.1	67.0	0.0	1118.2	1	
1L	0	-1605	749	-1930	0	-1266	-783	22.1	1118.7	67.0	0.0	1140.8	1	
1M	0	2698	61	1892	0	1272	579	37.1	1101.1	65.7	0.0	1138.2	1	
1N	0	2698	749	1892	0	1272	-783	37.1	1123.7	65.7	0.0	1160.8	1	
1O	0	2698	61	-1930	0	-1266	579	37.1	1096.1	67.0	0.0	1133.2	1	
1P	0	2698	749	-1930	0	-1266	-783	37.1	1118.7	67.0	0.0	1155.8	1	
2	0	2370	1852	459	0	399	-580	32.6	389.6	69.3	0.0	422.2	1	
7	0	1960	1473	535	0	439	-468	27.0	409.2	55.1	0.0	436.1	1	
8	0	1844	1455	272	0	251	-453	25.4	254.9	54.4	0.0	280.3	1	
1A	75	-1121	-400	687	0	-50	1033	15.4	154.8	23.9	0.0	170.2	1	
1B	75	-1121	1125	687	0	-50	-662	15.4	113.7	42.1	0.0	129.1	1	
1C	75	-1121	-400	-725	0	84	1033	15.4	182.8	25.2	0.0	198.2	1	
1D	75	-1121	1125	-725	0	84	-662	15.4	141.7	42.1	0.0	157.1	1	
1E	75	2214	-400	687	0	-50	1033	30.5	154.8	23.9	0.0	185.2	1	
1F	75	2214	1125	687	0	-50	-662	30.5	113.7	42.1	0.0	144.1	1	
1G	75	2214	-400	-725	0	84	1033	30.5	182.8	25.2	0.0	213.3	1	
1H	75	2214	1125	-725	0	84	-662	30.5	141.7	42.1	0.0	172.2	1	
1I	75	-1605	19	1892	0	-149	625	22.1	190.5	65.7	0.0	212.5	1	
1J	75	-1605	706	1892	0	-149	-253	22.1	149.4	65.7	0.0	171.4	1	
1K	75	-1605	19	-1930	0	183	625	22.1	218.5	67.0	0.0	240.6	1	
1L	75	-1605	706	-1930	0	183	-253	22.1	177.4	67.0	0.0	199.5	1	
1M	75	2698	19	1892	0	-149	625	37.1	190.5	65.7	0.0	227.6	1	
1N	75	2698	706	1892	0	-149	-253	37.1	149.4	65.7	0.0	186.5	1	
1O	75	2698	19	-1930	0	183	625	37.1	218.5	67.0	0.0	255.6	1	
1P	75	2698	706	-1930	0	183	-253	37.1	177.4	67.0	0.0	214.5	1	
2	75	2370	1796	459	0	55	788	32.6	132.0	67.2	0.0	164.6	1	
7	75	1960	1418	535	0	37	617	27.0	98.7	53.0	0.0	125.7	1	
8	75	1844	1399	272	0	47	617	25.4	106.7	52.3	0.0	132.1	1	
1A	150	-1121	-443	687	0	-566	730	15.4	542.3	23.9	0.0	557.7	1	
1B	150	-1121	1082	687	0	-566	153	15.4	478.5	40.5	0.0	493.9	1	
1C	150	-1121	-443	-725	0	629	730	15.4	593.4	25.2	0.0	608.8	1	
1D	150	-1121	1082	-725	0	629	153	15.4	529.6	40.5	0.0	545.0	1	
1E	150	2214	-443	687	0	-566	730	30.5	542.3	23.9	0.0	572.7	1	
1F	150	2214	1082	687	0	-566	153	30.5	478.5	40.5	0.0	509.0	1	
1G	150	2214	-443	-725	0	629	730	30.5	593.4	25.2	0.0	623.8	1	
1H	150	2214	1082	-725	0	629	153	30.5	529.6	40.5	0.0	560.0	1	
1I	150	-1605	-24	1892	0	-1570	638	22.1	1350.3	65.7	0.0	1372.4	1	
1J	150	-1605	663	1892	0	-1570	245	22.1	1306.8	65.7	0.0	1328.9	1	
1K	150	-1605	-24	-1930	0	1633	638	22.1	1401.4	67.0	0.0	1423.5	1	
1L	150	-1605	663	-1930	0	1633	245	22.1	1357.9	67.0	0.0	1380.0	1	
1M	150	2698	-24	1892	0	-1570	638	37.1	1350.3	65.7	0.0	1387.4	1	
1N	150	2698	663	1892	0	-1570	245	37.1	1306.8	65.7	0.0	1343.9	1	
1O	150	2698	-24	-1930	0	1633	638	37.1	1401.4	67.0	0.0	1438.5	1	
1P	150	2698	663	-1930	0	1633	245	37.1	1357.9	67.0	0.0	1395.0	1	
2	150	2370	1740	459	0	-289	2114	32.6	469.5	65.1	0.0	502.1	1	
7	150	1960	1362	535	0	-364	1659	27.0	479.9	50.9	0.0	506.9	1	
8	150	1844	1343	272	0	-157	1646	25.4	310.1	50.2	0.0	335.4	1	

ASTA NUM. 6 NI 391 NF 392 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-648	-1468	804	0	800	736	8.9	733.5	54.9	0.0	742.4	1	
1B	0	-648	453	804	0	800	146	8.9	668.1	27.9	0.0	677.0	1	
1C	0	-648	-1468	-762	0	-768	736	8.9	707.7	54.9	0.0	716.6	1	
1D	0	-648	453	-762	0	-768	146	8.9	642.3	26.5	0.0	651.2	1	
1E	0	1888	-1468	804	0	800	736	26.0	733.5	54.9	0.0	759.4	1	
1F	0	1888	453	804	0	800	146	26.0	668.1	27.9	0.0	694.1	1	
1G	0	1888	-1468	-762	0	-768	736	26.0	707.7	54.9	0.0	733.6	1	
1H	0	1888	453	-762	0	-768	146	26.0	642.3	26.5	0.0	668.3	1	
1I	0	-1694	-1019	2080	0	2089	650	23.3	1774.6	72.3	0.0	1797.9	1	

1J	0	-1694	4	2080	0	2089	233	23.3	1728.4	72.3	0.0	1751.7	1
1K	0	-1694	-1019	-2038	0	-2058	650	23.3	1748.8	70.8	0.0	1772.1	1
1L	0	-1694	4	-2038	0	-2058	233	23.3	1702.6	70.8	0.0	1725.9	1
1M	0	2934	-1019	2080	0	2089	650	40.4	1774.6	72.3	0.0	1814.9	1
1N	0	2934	4	2080	0	2089	233	40.4	1728.4	72.3	0.0	1768.8	1
1O	0	2934	-1019	-2038	0	-2058	650	40.4	1748.8	70.8	0.0	1789.1	1
1P	0	2934	4	-2038	0	-2058	233	40.4	1702.6	70.8	0.0	1743.0	1
2	0	2558	-2275	-476	0	-464	2110	35.2	612.0	85.1	0.0	647.2	1
7	0	2088	-1763	-571	0	-540	1655	28.7	623.0	65.9	0.0	651.7	1
8	0	2007	-1792	-277	0	-276	1643	27.6	406.6	67.0	0.0	434.2	1
1A	75	-648	-1511	804	0	187	-391	8.9	195.5	56.5	0.0	204.4	1
1B	75	-648	411	804	0	187	480	8.9	205.3	27.9	0.0	214.3	1
1C	75	-648	-1511	-762	0	-187	-391	8.9	195.4	56.5	0.0	204.3	1
1D	75	-648	411	-762	0	-187	480	8.9	205.2	26.5	0.0	214.1	1
1E	75	1888	-1511	804	0	187	-391	26.0	195.5	56.5	0.0	221.5	1
1F	75	1888	411	804	0	187	480	26.0	205.3	27.9	0.0	231.3	1
1G	75	1888	-1511	-762	0	-187	-391	26.0	195.4	56.5	0.0	221.3	1
1H	75	1888	411	-762	0	-187	480	26.0	205.2	26.5	0.0	231.2	1
1I	75	-1694	-1062	2080	0	524	-148	23.3	443.7	72.3	0.0	467.0	1
1J	75	-1694	-39	2080	0	524	236	23.3	453.5	72.3	0.0	476.9	1
1K	75	-1694	-1062	-2038	0	-524	-148	23.3	443.6	70.8	0.0	466.9	1
1L	75	-1694	-39	-2038	0	-524	236	23.3	453.4	70.8	0.0	476.7	1
1M	75	2934	-1062	2080	0	524	-148	40.4	443.7	72.3	0.0	484.1	1
1N	75	2934	-39	2080	0	524	236	40.4	453.5	72.3	0.0	493.9	1
1O	75	2934	-1062	-2038	0	-524	-148	40.4	443.6	70.8	0.0	483.9	1
1P	75	2934	-39	-2038	0	-524	236	40.4	453.4	70.8	0.0	493.8	1
2	75	2558	-2330	-476	0	-107	383	35.2	129.8	87.2	0.0	165.0	1
7	75	2088	-1818	-571	0	-112	312	28.7	125.4	68.0	0.0	154.1	1
8	75	2007	-1848	-277	0	-68	278	27.6	86.5	69.1	0.0	123.5	4
1A	150	-648	-1554	804	0	-426	-1550	8.9	519.0	58.1	0.0	527.9	1
1B	150	-648	368	804	0	-426	782	8.9	433.9	27.9	0.0	442.8	1
1C	150	-648	-1554	-762	0	395	-1550	8.9	493.5	58.1	0.0	502.4	1
1D	150	-648	368	-762	0	395	782	8.9	408.4	26.5	0.0	417.3	1
1E	150	1888	-1554	804	0	-426	-1550	26.0	519.0	58.1	0.0	545.0	1
1F	150	1888	368	804	0	-426	782	26.0	433.9	27.9	0.0	459.9	1
1G	150	1888	-1554	-762	0	395	-1550	26.0	493.5	58.1	0.0	519.4	1
1H	150	1888	368	-762	0	395	782	26.0	408.4	26.5	0.0	434.4	1
1I	150	-1694	-1105	2080	0	-1040	-977	23.3	955.9	72.3	0.0	979.3	1
1J	150	-1694	-82	2080	0	-1040	208	23.3	870.9	72.3	0.0	894.2	1
1K	150	-1694	-1105	-2038	0	1009	-977	23.3	930.4	70.8	0.0	953.7	1
1L	150	-1694	-82	-2038	0	1009	208	23.3	845.4	70.8	0.0	868.7	1
1M	150	2934	-1105	2080	0	-1040	-977	40.4	955.9	72.3	0.0	996.3	1
1N	150	2934	-82	2080	0	-1040	208	40.4	870.9	72.3	0.0	911.2	1
1O	150	2934	-1105	-2038	0	1009	-977	40.4	930.4	70.8	0.0	970.8	1
1P	150	2934	-82	-2038	0	1009	208	40.4	845.4	70.8	0.0	885.7	1
2	150	2558	-2386	-476	0	250	-1386	35.2	356.9	89.2	0.0	392.1	1
7	150	2088	-1874	-571	0	317	-1073	28.7	376.8	70.1	0.0	405.5	1
8	150	2007	-1903	-277	0	139	-1128	27.6	238.3	71.2	0.0	265.9	1

ASTA NUM. 7 NI 392 NF 393 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1516	475	1058	0	651	-315	20.8	565.8	36.8	0.0	586.6	1	
1B	0	-1516	838	1058	0	651	-589	20.8	596.1	36.8	0.0	616.9	1	
1C	0	-1516	475	-1147	0	-702	-315	20.8	606.9	39.8	0.0	627.8	1	
1D	0	-1516	838	-1147	0	-702	-589	20.8	637.2	39.8	0.0	658.0	1	
1E	0	2556	475	1058	0	651	-315	35.2	565.8	36.8	0.0	601.0	1	
1F	0	2556	838	1058	0	651	-589	35.2	596.1	36.8	0.0	631.2	1	
1G	0	2556	475	-1147	0	-702	-315	35.2	606.9	39.8	0.0	642.1	1	
1H	0	2556	838	-1147	0	-702	-589	35.2	637.2	39.8	0.0	672.3	1	
1I	0	-2410	477	2285	0	1255	-324	33.2	1058.8	79.4	0.0	1091.9	1	
1J	0	-2410	836	2285	0	1255	-580	33.2	1087.2	79.4	0.0	1120.3	1	
1K	0	-2410	477	-2373	0	-1306	-324	33.2	1099.9	82.5	0.0	1133.0	1	
1L	0	-2410	836	-2373	0	-1306	-580	33.2	1128.3	82.5	0.0	1161.4	1	
1M	0	3450	477	2285	0	1255	-324	47.5	1058.8	79.4	0.0	1106.2	1	
1N	0	3450	836	2285	0	1255	-580	47.5	1087.2	79.4	0.0	1134.6	1	
1O	0	3450	477	-2373	0	-1306	-324	47.5	1099.9	82.5	0.0	1147.3	1	
1P	0	3450	836	-2373	0	-1306	-580	47.5	1128.3	82.5	0.0	1175.7	1	
2	0	2762	2768	-549	0	-262	-1913	38.0	425.5	103.5	0.0	463.5	1	
7	0	2448	2218	-499	0	-220	-1544	33.7	349.8	83.0	0.0	383.5	1	
8	0	2066	2186	-384	0	-189	-1506	28.4	321.0	81.8	0.0	349.4	1	
1A	75	-1516	433	1058	0	-144	262	20.8	146.6	36.8	0.0	167.4	1	
1B	75	-1516	796	1058	0	-144	-213	20.8	141.1	36.8	0.0	162.0	1	
1C	75	-1516	433	-1147	0	160	262	20.8	159.6	39.8	0.0	180.5	1	
1D	75	-1516	796	-1147	0	160	-213	20.8	154.2	39.8	0.0	175.0	1	
1E	75	2556	433	1058	0	-144	262	35.2	146.6	36.8	0.0	181.7	1	
1F	75	2556	796	1058	0	-144	-213	35.2	141.1	36.8	0.0	176.3	1	
1G	75	2556	433	-1147	0	160	262	35.2	159.6	39.8	0.0	194.8	1	
1H	75	2556	796	-1147	0	160	-213	35.2	154.2	39.8	0.0	189.3	1	
1I	75	-2410	435	2285	0	-460	-37	33.2	379.3	79.4	0.0	412.5	1	
1J	75	-2410	794	2285	0	-460	86	33.2	384.7	79.4	0.0	417.9	1	
1K	75	-2410	435	-2373	0	476	-37	33.2	392.4	82.5	0.0	425.5	1	
1L	75	-2410	794	-2373	0	476	86	33.2	397.8	82.5	0.0	430.9	1	
1M	75	3450	435	2285	0	-460	-37	47.5	379.3	79.4	0.0	426.8	1	
1N	75	3450	794	2285	0	-460	86	47.5	384.7	79.4	0.0	432.2	1	
1O	75	3450	435	-2373	0	476	-37	47.5	392.4	82.5	0.0	439.8	1	
1P	75	3450	794	-2373	0	476	86	47.5	397.8	82.5	0.0	445.3	1	

2	75	2762	2712	-549	0	150	142	38.0	137.6	101.5	0.0	181.1	4
7	75	2448	2162	-499	0	155	98	33.7	137.0	80.9	0.0	170.7	1
8	75	2066	2130	-384	0	99	112	28.4	92.9	79.7	0.0	141.7	4
1A	150	-1516	390	1058	0	-940	806	20.8	855.4	36.8	0.0	876.3	1
1B	150	-1516	753	1058	0	-940	132	20.8	780.8	36.8	0.0	801.6	1
1C	150	-1516	390	-1147	0	1023	806	20.8	922.6	39.8	0.0	943.5	1
1D	150	-1516	753	-1147	0	1023	132	20.8	848.0	39.8	0.0	868.8	1
1E	150	2556	390	1058	0	-940	806	35.2	855.4	36.8	0.0	890.6	1
1F	150	2556	753	1058	0	-940	132	35.2	780.8	36.8	0.0	815.9	1
1G	150	2556	390	-1147	0	1023	806	35.2	922.6	39.8	0.0	957.8	1
1H	150	2556	753	-1147	0	1023	132	35.2	848.0	39.8	0.0	883.1	1
1I	150	-2410	392	2285	0	-2176	217	33.2	1797.4	79.4	0.0	1830.6	1
1J	150	-2410	751	2285	0	-2176	721	33.2	1853.1	79.4	0.0	1886.3	1
1K	150	-2410	392	-2373	0	2258	217	33.2	1864.6	82.5	0.0	1897.8	1
1L	150	-2410	751	-2373	0	2258	721	33.2	1920.3	82.5	0.0	1953.5	1
1M	150	3450	392	2285	0	-2176	217	47.5	1797.4	79.4	0.0	1844.9	1
1N	150	3450	751	2285	0	-2176	721	47.5	1853.1	79.4	0.0	1900.6	1
1O	150	3450	392	-2373	0	2258	217	47.5	1864.6	82.5	0.0	1912.1	1
1P	150	3450	751	-2373	0	2258	721	47.5	1920.3	82.5	0.0	1967.8	1
2	150	2762	2657	-549	0	562	2155	38.0	696.1	99.4	0.0	734.1	1
7	150	2448	2106	-499	0	529	1699	33.7	619.2	78.8	0.0	652.9	1
8	150	2066	2074	-384	0	387	1689	28.4	502.1	77.6	0.0	530.5	1

ASTA NUM. 8 NI 393 NF 394 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-946	-444	592	0	607	798	13.0	583.4	20.6	0.0	596.4	1	
1B	0	-946	-50	592	0	607	141	13.0	510.7	20.6	0.0	523.7	1	
1C	0	-946	-444	-426	0	-468	798	13.0	469.7	16.6	0.0	482.7	1	
1D	0	-946	-50	-426	0	-468	141	13.0	396.9	14.8	0.0	409.9	1	
1E	0	1661	-444	592	0	607	798	22.8	583.4	20.6	0.0	606.2	1	
1F	0	1661	-50	592	0	607	141	22.8	510.7	20.6	0.0	533.5	1	
1G	0	1661	-444	-426	0	-468	798	22.8	469.7	16.6	0.0	492.5	1	
1H	0	1661	-50	-426	0	-468	141	22.8	396.9	14.8	0.0	419.8	1	
1I	0	-2937	-424	1400	0	1506	711	40.4	1306.0	48.6	0.0	1346.4	1	
1J	0	-2937	-70	1400	0	1506	228	40.4	1252.5	48.6	0.0	1292.9	1	
1K	0	-2937	-424	-1233	0	-1366	711	40.4	1192.3	42.8	0.0	1232.7	1	
1L	0	-2937	-70	-1233	0	-1366	228	40.4	1138.8	42.8	0.0	1179.2	1	
1M	0	3652	-424	1400	0	1506	711	50.2	1306.0	48.6	0.0	1356.3	1	
1N	0	3652	-70	1400	0	1506	228	50.2	1252.5	48.6	0.0	1302.8	1	
1O	0	3652	-424	-1233	0	-1366	711	50.2	1192.3	42.8	0.0	1242.5	1	
1P	0	3652	-70	-1233	0	-1366	228	50.2	1138.8	42.8	0.0	1189.0	1	
2	0	2060	-1344	608	0	570	2154	28.3	703.1	50.3	0.0	731.4	1	
7	0	1862	-1019	542	0	515	1698	25.6	607.9	38.1	0.0	633.5	1	
8	0	1518	-1044	442	0	410	1689	20.9	520.7	39.1	0.0	541.5	1	
1A	75	-946	-486	592	0	138	636	13.0	182.8	20.6	0.0	195.8	1	
1B	75	-946	-92	592	0	138	-99	13.0	123.3	20.6	0.0	136.3	1	
1C	75	-946	-486	-426	0	-123	636	13.0	170.6	18.2	0.0	183.6	1	
1D	75	-946	-92	-426	0	-123	-99	13.0	111.1	14.8	0.0	124.1	1	
1E	75	1661	-486	592	0	138	636	22.8	182.8	20.6	0.0	205.6	1	
1F	75	1661	-92	592	0	138	-99	22.8	123.3	20.6	0.0	146.2	1	
1G	75	1661	-486	-426	0	-123	636	22.8	170.6	18.2	0.0	193.4	1	
1H	75	1661	-92	-426	0	-123	-99	22.8	111.1	14.8	0.0	134.0	1	
1I	75	-2937	-467	1400	0	448	603	40.4	432.1	48.6	0.0	472.5	1	
1J	75	-2937	-112	1400	0	448	-65	40.4	372.7	48.6	0.0	413.1	1	
1K	75	-2937	-467	-1233	0	-433	603	40.4	419.9	42.8	0.0	460.3	1	
1L	75	-2937	-112	-1233	0	-433	-65	40.4	360.4	42.8	0.0	400.8	1	
1M	75	3652	-467	1400	0	448	603	50.2	432.1	48.6	0.0	482.3	1	
1N	75	3652	-112	1400	0	448	-65	50.2	372.7	48.6	0.0	422.9	1	
1O	75	3652	-467	-1233	0	-433	603	50.2	419.9	42.8	0.0	470.1	1	
1P	75	3652	-112	-1233	0	-433	-65	50.2	360.4	42.8	0.0	410.7	1	
2	75	2060	-1400	608	0	114	1125	28.3	217.6	52.3	0.0	245.9	1	
7	75	1862	-1074	542	0	109	913	25.6	190.0	40.2	0.0	215.6	1	
8	75	1518	-1100	442	0	78	885	20.9	161.4	41.1	0.0	182.3	1	
1A	150	-946	-529	592	0	-332	441	13.0	319.1	20.6	0.0	332.1	1	
1B	150	-946	-135	592	0	-332	-370	13.0	311.2	20.6	0.0	324.2	1	
1C	150	-946	-529	-426	0	222	441	13.0	229.8	19.8	0.0	242.8	1	
1D	150	-946	-135	-426	0	222	-370	13.0	221.9	14.8	0.0	234.9	1	
1E	150	1661	-529	592	0	-332	441	22.8	319.1	20.6	0.0	341.9	1	
1F	150	1661	-135	592	0	-332	-370	22.8	311.2	20.6	0.0	334.1	1	
1G	150	1661	-529	-426	0	222	441	22.8	229.8	19.8	0.0	252.6	1	
1H	150	1661	-135	-426	0	222	-370	22.8	221.9	14.8	0.0	244.7	1	
1I	150	-2937	-509	1400	0	-609	462	40.4	547.6	48.6	0.0	588.0	1	
1J	150	-2937	-155	1400	0	-609	-391	40.4	539.7	48.6	0.0	580.1	1	
1K	150	-2937	-509	-1233	0	500	462	40.4	458.3	42.8	0.0	498.7	1	
1L	150	-2937	-155	-1233	0	500	-391	40.4	450.4	42.8	0.0	490.8	1	
1M	150	3652	-509	1400	0	-609	462	50.2	547.6	48.6	0.0	597.8	1	
1N	150	3652	-155	1400	0	-609	-391	50.2	539.7	48.6	0.0	589.9	1	
1O	150	3652	-509	-1233	0	500	462	50.2	458.3	42.8	0.0	508.5	1	
1P	150	3652	-155	-1233	0	500	-391	50.2	450.4	42.8	0.0	500.6	1	
2	150	2060	-1455	608	0	-342	55	28.3	284.6	54.4	0.0	312.9	1	
7	150	1862	-1130	542	0	-297	86	25.6	251.5	42.3	0.0	277.2	1	
8	150	1518	-1155	442	0	-254	39	20.9	211.2	43.2	0.0	232.1	1	

ASTA NUM. 9 NI 402 NF 403 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.

qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-897	-446	415	0	459	849	12.3	467.8	16.7	0.0	480.2	1	
1B	0	-897	-50	415	0	459	90	12.3	383.9	14.4	0.0	396.2	1	
1C	0	-897	-446	-589	0	-607	849	12.3	588.4	20.5	0.0	600.7	1	
1D	0	-897	-50	-589	0	-607	90	12.3	504.4	20.5	0.0	516.8	1	
1E	0	1614	-446	415	0	459	849	22.2	467.8	16.7	0.0	490.0	1	
1F	0	1614	-50	415	0	459	90	22.2	383.9	14.4	0.0	406.1	1	
1G	0	1614	-446	-589	0	-607	849	22.2	588.4	20.5	0.0	610.6	1	
1H	0	1614	-50	-589	0	-607	90	22.2	504.4	20.5	0.0	526.6	1	
1I	0	-2907	-426	1218	0	1352	750	40.0	1184.5	42.3	0.0	1224.5	1	
1J	0	-2907	-70	1218	0	1352	189	40.0	1122.5	42.3	0.0	1162.4	1	
1K	0	-2907	-426	-1392	0	-1500	750	40.0	1305.1	48.3	0.0	1345.0	1	
1L	0	-2907	-70	-1392	0	-1500	189	40.0	1243.0	48.3	0.0	1283.0	1	
1M	0	3624	-426	1218	0	1352	750	49.8	1184.5	42.3	0.0	1234.4	1	
1N	0	3624	-70	1218	0	1352	189	49.8	1122.5	42.3	0.0	1172.3	1	
1O	0	3624	-426	-1392	0	-1500	750	49.8	1305.1	48.3	0.0	1354.9	1	
1P	0	3624	-70	-1392	0	-1500	189	49.8	1243.0	48.3	0.0	1292.9	1	
2	0	2068	-1346	-615	0	-578	2167	28.4	710.8	50.3	0.0	739.2	1	
7	0	1867	-1022	-547	0	-522	1711	25.7	614.5	38.2	0.0	640.2	1	
8	0	1526	-1046	-449	0	-417	1698	21.0	527.7	39.1	0.0	548.7	1	
1A	75	-897	-489	415	0	121	671	12.3	173.0	18.3	0.0	185.4	1	
1B	75	-897	-93	415	0	121	-136	12.3	113.9	14.4	0.0	126.2	1	
1C	75	-897	-489	-589	0	-139	671	12.3	187.2	20.5	0.0	199.6	1	
1D	75	-897	-93	-589	0	-139	-136	12.3	128.1	20.5	0.0	140.4	1	
1E	75	1614	-489	415	0	121	671	22.2	173.0	18.3	0.0	195.2	1	
1F	75	1614	-93	415	0	121	-136	22.2	113.9	14.4	0.0	136.1	1	
1G	75	1614	-489	-589	0	-139	671	22.2	187.2	20.5	0.0	209.4	1	
1H	75	1614	-93	-589	0	-139	-136	22.2	128.1	20.5	0.0	150.3	1	
1I	75	-2907	-469	1218	0	430	629	40.0	420.2	42.3	0.0	460.2	1	
1J	75	-2907	-112	1218	0	430	-94	40.0	361.1	42.3	0.0	401.0	1	
1K	75	-2907	-469	-1392	0	-448	629	40.0	434.4	48.3	0.0	474.4	1	
1L	75	-2907	-112	-1392	0	-448	-94	40.0	375.3	48.3	0.0	415.2	1	
1M	75	3624	-469	1218	0	430	629	49.8	420.2	42.3	0.0	470.1	1	
1N	75	3624	-112	1218	0	430	-94	49.8	361.1	42.3	0.0	410.9	1	
1O	75	3624	-469	-1392	0	-448	629	49.8	434.4	48.3	0.0	484.3	1	
1P	75	3624	-112	-1392	0	-448	-94	49.8	375.3	48.3	0.0	425.1	1	
2	75	2068	-1402	-615	0	-117	1137	28.4	221.1	52.4	0.0	249.5	1	
7	75	1867	-1078	-547	0	-111	924	25.7	193.0	40.3	0.0	218.7	1	
8	75	1526	-1102	-449	0	-80	893	21.0	164.3	41.2	0.0	185.3	1	
1A	150	-897	-531	415	0	-216	460	12.3	227.2	19.9	0.0	239.6	1	
1B	150	-897	-135	415	0	-216	-394	12.3	219.8	14.4	0.0	232.2	1	
1C	150	-897	-531	-589	0	329	460	12.3	319.4	20.5	0.0	331.7	1	
1D	150	-897	-135	-589	0	329	-394	12.3	312.0	20.5	0.0	324.3	1	
1E	150	1614	-531	415	0	-216	460	22.2	227.2	19.9	0.0	249.4	1	
1F	150	1614	-135	415	0	-216	-394	22.2	219.8	14.4	0.0	242.0	1	
1G	150	1614	-531	-589	0	329	460	22.2	319.4	20.5	0.0	341.6	1	
1H	150	1614	-135	-589	0	329	-394	22.2	312.0	20.5	0.0	334.2	1	
1I	150	-2907	-512	1218	0	-491	475	40.0	452.8	42.3	0.0	492.7	1	
1J	150	-2907	-155	1218	0	-491	-408	40.0	445.4	42.3	0.0	485.3	1	
1K	150	-2907	-512	-1392	0	604	475	40.0	544.9	48.3	0.0	584.9	1	
1L	150	-2907	-155	-1392	0	604	-408	40.0	537.5	48.3	0.0	577.5	1	
1M	150	3624	-512	1218	0	-491	475	49.8	452.8	42.3	0.0	502.6	1	
1N	150	3624	-155	1218	0	-491	-408	49.8	445.4	42.3	0.0	495.2	1	
1O	150	3624	-512	-1392	0	604	475	49.8	544.9	48.3	0.0	594.8	1	
1P	150	3624	-155	-1392	0	604	-408	49.8	537.5	48.3	0.0	587.4	1	
2	150	2068	-1457	-615	0	344	65	28.4	287.6	54.5	0.0	316.0	1	
7	150	1867	-1133	-547	0	299	95	25.7	254.1	42.4	0.0	279.7	1	
8	150	1526	-1157	-449	0	256	46	21.0	213.8	43.3	0.0	234.8	1	

ASTA NUM. 10 NI 401 NF 402 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1503	473	1150	0	704	-268	20.7	603.0	40.0	0.0	623.6	1	
1B	0	-1503	837	1150	0	704	-631	20.7	643.1	40.0	0.0	663.8	1	
1C	0	-1503	473	-1046	0	-642	-268	20.7	552.7	36.3	0.0	573.4	1	
1D	0	-1503	837	-1046	0	-642	-631	20.7	592.9	36.3	0.0	613.6	1	
1E	0	2537	473	1150	0	704	-268	34.9	603.0	40.0	0.0	637.9	1	
1F	0	2537	837	1150	0	704	-631	34.9	643.1	40.0	0.0	678.0	1	
1G	0	2537	473	-1046	0	-642	-268	34.9	552.7	36.3	0.0	587.6	1	
1H	0	2537	837	-1046	0	-642	-631	34.9	592.9	36.3	0.0	627.8	1	
1I	0	-2386	480	2371	0	1306	-296	32.8	1096.7	82.4	0.0	1129.5	1	
1J	0	-2386	830	2371	0	1306	-603	32.8	1130.6	82.4	0.0	1163.4	1	
1K	0	-2386	480	-2266	0	-1244	-296	32.8	1046.5	78.7	0.0	1079.3	1	
1L	0	-2386	830	-2266	0	-1244	-603	32.8	1080.4	78.7	0.0	1113.2	1	
1M	0	3420	480	2371	0	1306	-296	47.0	1096.7	82.4	0.0	1143.8	1	
1N	0	3420	830	2371	0	1306	-603	47.0	1130.6	82.4	0.0	1177.7	1	
1O	0	3420	480	-2266	0	-1244	-296	47.0	1046.5	78.7	0.0	1093.5	1	
1P	0	3420	830	-2266	0	-1244	-603	47.0	1080.4	78.7	0.0	1127.4	1	
2	0	2756	2766	567	0	275	-1897	37.9	433.7	103.5	0.0	471.6	1	
7	0	2440	2214	514	0	230	-1525	33.6	356.5	82.8	0.0	390.0	1	
8	0	2063	2184	400	0	200	-1493	28.4	328.3	81.7	0.0	356.7	1	

1A	75	-1503	431	1150	0	-161	311	20.7	165.7	40.0	0.0	186.4	1
1B	75	-1503	794	1150	0	-161	-260	20.7	160.0	40.0	0.0	180.7	1
1C	75	-1503	431	-1046	0	144	311	20.7	152.0	36.3	0.0	172.7	1
1D	75	-1503	794	-1046	0	144	-260	20.7	146.3	36.3	0.0	167.0	1
1E	75	2537	431	1150	0	-161	311	34.9	165.7	40.0	0.0	200.6	1
1F	75	2537	794	1150	0	-161	-260	34.9	160.0	40.0	0.0	194.9	1
1G	75	2537	431	-1046	0	144	311	34.9	152.0	36.3	0.0	186.9	1
1H	75	2537	794	-1046	0	144	-260	34.9	146.3	36.3	0.0	181.2	1
1I	75	-2386	438	2371	0	-475	250	32.8	414.4	82.4	0.0	447.2	1
1J	75	-2386	787	2371	0	-475	-198	32.8	408.7	82.4	0.0	441.5	1
1K	75	-2386	438	-2266	0	458	250	32.8	400.7	78.7	0.0	433.6	1
1L	75	-2386	787	-2266	0	458	-198	32.8	395.0	78.7	0.0	427.8	1
1M	75	3420	438	2371	0	-475	250	47.0	414.4	82.4	0.0	461.5	1
1N	75	3420	787	2371	0	-475	-198	47.0	408.7	82.4	0.0	455.8	1
1O	75	3420	438	-2266	0	458	250	47.0	400.7	78.7	0.0	447.8	1
1P	75	3420	787	-2266	0	458	-198	47.0	395.0	78.7	0.0	442.1	1
2	75	2756	2710	567	0	-150	157	37.9	139.8	101.4	0.0	181.0	4
7	75	2440	2158	514	0	-155	115	33.6	139.1	80.7	0.0	172.6	1
8	75	2063	2128	400	0	-99	123	28.4	94.7	79.6	0.0	141.6	4
1A	150	-1503	388	1150	0	-1026	858	20.7	930.8	40.0	0.0	951.5	1
1B	150	-1503	751	1150	0	-1026	79	20.7	844.6	40.0	0.0	865.3	1
1C	150	-1503	388	-1046	0	930	858	20.7	853.2	36.3	0.0	873.9	1
1D	150	-1503	751	-1046	0	930	79	20.7	767.0	36.3	0.0	787.7	1
1E	150	2537	388	1150	0	-1026	858	34.9	930.8	40.0	0.0	965.7	1
1F	150	2537	751	1150	0	-1026	79	34.9	844.6	40.0	0.0	879.5	1
1G	150	2537	388	-1046	0	930	858	34.9	853.2	36.3	0.0	888.1	1
1H	150	2537	751	-1046	0	930	79	34.9	767.0	36.3	0.0	801.9	1
1I	150	-2386	395	2371	0	-2255	764	32.8	1922.0	82.4	0.0	1954.8	1
1J	150	-2386	744	2371	0	-2255	174	32.8	1856.8	82.4	0.0	1889.6	1
1K	150	-2386	395	-2266	0	2160	764	32.8	1844.4	78.7	0.0	1877.2	1
1L	150	-2386	744	-2266	0	2160	174	32.8	1779.2	78.7	0.0	1812.0	1
1M	150	3420	395	2371	0	-2255	764	47.0	1922.0	82.4	0.0	1969.0	1
1N	150	3420	744	2371	0	-2255	174	47.0	1856.8	82.4	0.0	1903.8	1
1O	150	3420	395	-2266	0	2160	764	47.0	1844.4	78.7	0.0	1891.4	1
1P	150	3420	744	-2266	0	2160	174	47.0	1779.2	78.7	0.0	1826.2	1
2	150	2756	2655	567	0	-575	2169	37.9	708.7	99.3	0.0	746.6	1
7	150	2440	2103	514	0	-540	1713	33.6	630.0	78.7	0.0	663.6	1
8	150	2063	2072	400	0	-399	1698	28.4	513.1	77.5	0.0	541.5	1

ASTA NUM. 11 NI 400 NF 401 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-658	-1474	747	0	758	729	9.1	698.4	55.1	0.0	707.5	1	
1B	0	-658	465	747	0	758	150	9.1	634.3	25.9	0.0	643.4	1	
1C	0	-658	-1474	-791	0	-790	729	9.1	724.2	55.1	0.0	733.2	1	
1D	0	-658	465	-791	0	-790	150	9.1	660.1	27.5	0.0	669.1	1	
1E	0	1876	-1474	747	0	758	729	25.8	698.4	55.1	0.0	724.2	1	
1F	0	1876	465	747	0	758	150	25.8	634.3	25.9	0.0	660.1	1	
1G	0	1876	-1474	-791	0	-790	729	25.8	724.2	55.1	0.0	750.0	1	
1H	0	1876	465	-791	0	-790	150	25.8	660.1	27.5	0.0	685.9	1	
1I	0	-1713	-1072	2030	0	2049	672	23.6	1744.3	70.5	0.0	1767.8	1	
1J	0	-1713	63	2030	0	2049	207	23.6	1692.9	70.5	0.0	1716.4	1	
1K	0	-1713	-1072	-2075	0	-2081	672	23.6	1770.0	72.1	0.0	1793.6	1	
1L	0	-1713	63	-2075	0	-2081	207	23.6	1718.6	72.1	0.0	1742.2	1	
1M	0	2931	-1072	2030	0	2049	672	40.3	1744.3	70.5	0.0	1784.6	1	
1N	0	2931	63	2030	0	2049	207	40.3	1692.9	70.5	0.0	1733.2	1	
1O	0	2931	-1072	-2075	0	-2081	672	40.3	1770.0	72.1	0.0	1810.3	1	
1P	0	2931	63	-2075	0	-2081	207	40.3	1718.6	72.1	0.0	1758.9	1	
2	0	2545	-2250	474	0	465	2085	35.0	609.6	84.2	0.0	644.6	1	
7	0	2076	-1740	567	0	538	1633	28.6	619.5	65.1	0.0	648.1	1	
8	0	1996	-1772	276	0	277	1625	27.5	405.7	66.3	0.0	433.1	1	
1A	75	-658	-1516	747	0	188	-401	9.1	197.4	56.7	0.0	206.5	1	
1B	75	-658	422	747	0	188	492	9.1	207.5	25.9	0.0	216.5	1	
1C	75	-658	-1516	-791	0	-186	-401	9.1	196.0	56.7	0.0	205.0	1	
1D	75	-658	422	-791	0	-186	492	9.1	206.0	27.5	0.0	215.0	1	
1E	75	1876	-1516	747	0	188	-401	25.8	197.4	56.7	0.0	223.2	1	
1F	75	1876	422	747	0	188	492	25.8	207.5	25.9	0.0	233.3	1	
1G	75	1876	-1516	-791	0	-186	-401	25.8	196.0	56.7	0.0	221.8	1	
1H	75	1876	422	-791	0	-186	492	25.8	206.0	27.5	0.0	231.8	1	
1I	75	-1713	-1115	2030	0	522	-163	23.6	443.2	70.5	0.0	466.8	1	
1J	75	-1713	20	2030	0	522	254	23.6	453.3	70.5	0.0	476.8	1	
1K	75	-1713	-1115	-2075	0	-520	-163	23.6	441.8	72.1	0.0	465.3	1	
1L	75	-1713	20	-2075	0	-520	254	23.6	451.8	72.1	0.0	475.4	1	
1M	75	2931	-1115	2030	0	522	-163	40.3	443.2	70.5	0.0	483.5	1	
1N	75	2931	20	2030	0	522	254	40.3	453.3	70.5	0.0	493.6	1	
1O	75	2931	-1115	-2075	0	-520	-163	40.3	441.8	72.1	0.0	482.1	1	
1P	75	2931	20	-2075	0	-520	254	40.3	451.8	72.1	0.0	492.1	1	
2	75	2545	-2306	474	0	109	377	35.0	130.8	86.2	0.0	165.8	1	
7	75	2076	-1796	567	0	113	307	28.6	126.1	67.2	0.0	154.6	1	
8	75	1996	-1828	276	0	70	275	27.5	87.7	68.4	0.0	122.2	4	
1A	150	-658	-1559	747	0	-382	-1564	9.1	484.7	58.3	0.0	493.8	1	
1B	150	-658	380	747	0	-382	802	9.1	400.4	25.9	0.0	409.5	1	
1C	150	-658	-1559	-791	0	418	-1564	9.1	513.4	58.3	0.0	522.4	1	
1D	150	-658	380	-791	0	418	802	9.1	429.1	27.5	0.0	438.1	1	
1E	150	1876	-1559	747	0	-382	-1564	25.8	484.7	58.3	0.0	510.5	1	
1F	150	1876	380	747	0	-382	802	25.8	400.4	25.9	0.0	426.2	1	

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1G	150	1876	-1559	-791	0	418	-1564	25.8	513.4	58.3	0.0	539.2	1	
1H	150	1876	380	-791	0	418	802	25.8	429.1	27.5	0.0	454.9	1	
1I	150	-1713	-1157	2030	0	-1006	-1030	23.6	933.5	70.5	0.0	957.0	1	
1J	150	-1713	-22	2030	0	-1006	268	23.6	849.2	70.5	0.0	872.7	1	
1K	150	-1713	-1157	-2075	0	1041	-1030	23.6	962.1	72.1	0.0	985.7	1	
1L	150	-1713	-22	-2075	0	1041	268	23.6	877.8	72.1	0.0	901.4	1	
1M	150	2931	-1157	2030	0	-1006	-1030	40.3	933.5	70.5	0.0	973.8	1	
1N	150	2931	-22	2030	0	-1006	268	40.3	849.2	70.5	0.0	889.5	1	
1O	150	2931	-1157	-2075	0	1041	-1030	40.3	962.1	72.1	0.0	1002.5	1	
1P	150	2931	-22	-2075	0	1041	268	40.3	877.8	72.1	0.0	918.2	1	
2	150	2545	-2361	474	0	-246	-1373	35.0	352.6	88.3	0.0	387.6	1	
7	150	2076	-1851	567	0	-313	-1060	28.6	372.0	69.2	0.0	400.6	1	
8	150	1996	-1883	276	0	-137	-1116	27.5	234.9	70.4	0.0	262.3	1	

ASTA NUM. 12 NI 399 NF 400 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1168	-366	707	0	449	1311	16.1	510.6	24.5	0.0	526.7	1	
1B	0	-1168	1184	707	0	449	-1529	16.1	534.8	44.3	0.0	550.8	1	
1C	0	-1168	-366	-663	0	-448	1311	16.1	509.8	23.0	0.0	525.9	1	
1D	0	-1168	1184	-663	0	-448	-1529	16.1	534.0	44.3	0.0	550.1	1	
1E	0	2230	-366	707	0	449	1311	30.7	510.6	24.5	0.0	541.3	1	
1F	0	2230	1184	707	0	449	-1529	30.7	534.8	44.3	0.0	565.5	1	
1G	0	2230	-366	-663	0	-448	1311	30.7	509.8	23.0	0.0	540.5	1	
1H	0	2230	1184	-663	0	-448	-1529	30.7	534.0	44.3	0.0	564.7	1	
1I	0	-1677	9	1905	0	1244	684	23.1	1089.6	66.2	0.0	1112.7	1	
1J	0	-1677	809	1905	0	1244	-902	23.1	1113.8	66.2	0.0	1136.8	1	
1K	0	-1677	9	-1861	0	-1243	684	23.1	1088.8	64.6	0.0	1111.9	1	
1L	0	-1677	809	-1861	0	-1243	-902	23.1	1113.0	64.6	0.0	1136.0	1	
1M	0	2739	9	1905	0	1244	684	37.7	1089.6	66.2	0.0	1127.3	1	
1N	0	2739	809	1905	0	1244	-902	37.7	1113.8	66.2	0.0	1151.4	1	
1O	0	2739	9	-1861	0	-1243	684	37.7	1088.8	64.6	0.0	1126.5	1	
1P	0	2739	809	-1861	0	-1243	-902	37.7	1113.0	64.6	0.0	1150.7	1	
2	0	2345	1879	-450	0	-389	-646	32.3	388.8	70.3	0.0	421.0	1	
7	0	1935	1499	-525	0	-428	-527	26.6	406.8	56.1	0.0	433.5	1	
8	0	1823	1476	-266	0	-244	-503	25.1	254.4	55.2	0.0	279.4	1	
1A	75	-1168	-409	707	0	-83	1033	16.1	181.5	24.5	0.0	197.6	1	
1B	75	-1168	1141	707	0	-83	-670	16.1	141.4	42.7	0.0	157.4	1	
1C	75	-1168	-409	-663	0	51	1033	16.1	155.4	23.0	0.0	171.5	1	
1D	75	-1168	1141	-663	0	51	-670	16.1	115.2	42.7	0.0	131.3	1	
1E	75	2230	-409	707	0	-83	1033	30.7	181.5	24.5	0.0	212.2	1	
1F	75	2230	1141	707	0	-83	-670	30.7	141.4	42.7	0.0	172.0	1	
1G	75	2230	-409	-663	0	51	1033	30.7	155.4	23.0	0.0	186.1	1	
1H	75	2230	1141	-663	0	51	-670	30.7	115.2	42.7	0.0	145.9	1	
1I	75	-1677	-34	1905	0	-187	688	23.1	228.1	66.2	0.0	251.2	1	
1J	75	-1677	766	1905	0	-187	-325	23.1	188.0	66.2	0.0	211.0	1	
1K	75	-1677	-34	-1861	0	155	688	23.1	202.0	64.6	0.0	225.1	1	
1L	75	-1677	766	-1861	0	155	-325	23.1	161.9	64.6	0.0	184.9	1	
1M	75	2739	-34	1905	0	-187	688	37.7	228.1	66.2	0.0	265.8	1	
1N	75	2739	766	1905	0	-187	-325	37.7	188.0	66.2	0.0	225.7	1	
1O	75	2739	-34	-1861	0	155	688	37.7	202.0	64.6	0.0	239.7	1	
1P	75	2739	766	-1861	0	155	-325	37.7	161.9	64.6	0.0	199.5	1	
2	75	2345	1824	-450	0	-52	743	32.3	124.2	68.2	0.0	156.5	1	
7	75	1935	1443	-525	0	-34	576	26.6	91.5	54.0	0.0	118.2	1	
8	75	1823	1420	-266	0	-44	583	25.1	100.6	53.1	0.0	125.6	1	
1A	150	-1168	-451	707	0	-614	722	16.1	580.1	24.5	0.0	596.1	1	
1B	150	-1168	1098	707	0	-614	158	16.1	517.6	41.1	0.0	533.7	1	
1C	150	-1168	-451	-663	0	549	722	16.1	527.1	23.0	0.0	543.1	1	
1D	150	-1168	1098	-663	0	549	158	16.1	464.6	41.1	0.0	480.7	1	
1E	150	2230	-451	707	0	-614	722	30.7	580.1	24.5	0.0	610.7	1	
1F	150	2230	1098	707	0	-614	158	30.7	517.6	41.1	0.0	548.3	1	
1G	150	2230	-451	-663	0	549	722	30.7	527.1	23.0	0.0	557.7	1	
1H	150	2230	1098	-663	0	549	158	30.7	464.6	41.1	0.0	495.3	1	
1I	150	-1677	-77	1905	0	-1617	660	23.1	1391.1	66.2	0.0	1414.1	1	
1J	150	-1677	723	1905	0	-1617	220	23.1	1342.5	66.2	0.0	1365.5	1	
1K	150	-1677	-77	-1861	0	1552	660	23.1	1338.1	64.6	0.0	1361.1	1	
1L	150	-1677	723	-1861	0	1552	220	23.1	1289.5	64.6	0.0	1312.5	1	
1M	150	2739	-77	1905	0	-1617	660	37.7	1391.1	66.2	0.0	1428.7	1	
1N	150	2739	723	1905	0	-1617	220	37.7	1342.5	66.2	0.0	1380.1	1	
1O	150	2739	-77	-1861	0	1552	660	37.7	1338.1	64.6	0.0	1375.7	1	
1P	150	2739	723	-1861	0	1552	220	37.7	1289.5	64.6	0.0	1327.2	1	
2	150	2345	1768	-450	0	286	2089	32.3	464.4	66.1	0.0	496.6	1	
7	150	1935	1387	-525	0	359	1637	26.6	474.0	51.9	0.0	500.6	1	
8	150	1823	1365	-266	0	155	1627	25.1	306.5	51.1	0.0	331.6	1	

ASTA NUM. 13 NI 410 NF 411 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-808	-1257	656	0	553	851	11.1	544.8	47.0	0.0	555.9	1	
1B	0	-808	715	656	0	553	68	11.1	458.2	26.8	0.0	469.3	1	

1C	0	-808	-1257	-757	0	-659	851	11.1	631.4	47.0	0.0	642.5	1
1D	0	-808	715	-757	0	-659	68	11.1	544.8	26.8	0.0	555.9	1
1E	0	2812	-1257	656	0	553	851	38.7	544.8	47.0	0.0	583.5	1
1F	0	2812	715	656	0	553	68	38.7	458.2	26.8	0.0	496.9	1
1G	0	2812	-1257	-757	0	-659	851	38.7	631.4	47.0	0.0	670.1	1
1H	0	2812	715	-757	0	-659	68	38.7	544.8	26.8	0.0	583.4	1
1I	0	-673	-609	1842	0	1542	659	9.3	1329.5	64.0	0.0	1338.8	1
1J	0	-673	68	1842	0	1542	260	9.3	1285.4	64.0	0.0	1294.7	1
1K	0	-673	-609	-1943	0	-1648	659	9.3	1416.1	67.5	0.0	1425.3	1
1L	0	-673	68	-1943	0	-1648	260	9.3	1372.0	67.5	0.0	1381.2	1
1M	0	2677	-609	1842	0	1542	659	36.8	1329.5	64.0	0.0	1366.3	1
1N	0	2677	68	1842	0	1542	260	36.8	1285.4	64.0	0.0	1322.2	1
1O	0	2677	-609	-1943	0	-1648	659	36.8	1416.1	67.5	0.0	1452.9	1
1P	0	2677	68	-1943	0	-1648	260	36.8	1372.0	67.5	0.0	1408.8	1
2	0	2430	-1605	-744	0	-651	2241	33.4	778.7	60.0	0.0	812.1	1
7	0	1846	-1238	-747	0	-639	1766	25.4	716.2	46.3	0.0	741.6	1
8	0	2167	-1223	-499	0	-444	1755	29.8	555.9	45.7	0.0	585.7	1
1A	75	-808	-1299	656	0	60	1356	11.1	198.8	48.6	0.0	209.9	1
1B	75	-808	672	656	0	60	-875	11.1	145.6	25.2	0.0	156.7	1
1C	75	-808	-1299	-757	0	-90	1356	11.1	223.4	48.6	0.0	234.5	1
1D	75	-808	672	-757	0	-90	-875	11.1	170.2	26.3	0.0	181.4	1
1E	75	2812	-1299	656	0	60	1356	38.7	198.8	48.6	0.0	237.5	1
1F	75	2812	672	656	0	60	-875	38.7	145.6	25.2	0.0	184.3	1
1G	75	2812	-1299	-757	0	-90	1356	38.7	223.4	48.6	0.0	262.1	1
1H	75	2812	672	-757	0	-90	-875	38.7	170.2	26.3	0.0	208.9	1
1I	75	-673	-652	1842	0	158	665	9.3	202.3	64.0	0.0	211.6	1
1J	75	-673	25	1842	0	158	-184	9.3	149.1	64.0	0.0	158.4	1
1K	75	-673	-652	-1943	0	-188	665	9.3	226.9	67.5	0.0	236.2	1
1L	75	-673	25	-1943	0	-188	-184	9.3	173.8	67.5	0.0	183.0	1
1M	75	2677	-652	1842	0	158	665	36.8	202.3	64.0	0.0	239.1	1
1N	75	2677	25	1842	0	158	-184	36.8	149.1	64.0	0.0	186.0	1
1O	75	2677	-652	-1943	0	-188	665	36.8	226.9	67.5	0.0	263.8	1
1P	75	2677	25	-1943	0	-188	-184	36.8	173.8	67.5	0.0	210.6	1
2	75	2430	-1660	-744	0	-93	1017	33.4	188.6	62.1	0.0	222.1	1
7	75	1846	-1294	-747	0	-79	817	25.4	154.9	48.4	0.0	180.3	1
8	75	2167	-1278	-499	0	-69	817	29.8	147.0	47.8	0.0	176.8	1
1A	150	-808	-1342	656	0	-433	1830	11.1	555.6	50.2	0.0	566.7	1
1B	150	-808	630	656	0	-433	-1851	11.1	557.9	23.5	0.0	569.1	1
1C	150	-808	-1342	-757	0	479	1830	11.1	592.9	50.2	0.0	604.0	1
1D	150	-808	630	-757	0	479	-1851	11.1	595.3	26.3	0.0	606.4	1
1E	150	2812	-1342	656	0	-433	1830	38.7	555.6	50.2	0.0	594.2	1
1F	150	2812	630	656	0	-433	-1851	38.7	557.9	23.5	0.0	596.6	1
1G	150	2812	-1342	-757	0	479	1830	38.7	592.9	50.2	0.0	631.6	1
1H	150	2812	630	-757	0	479	-1851	38.7	595.3	26.3	0.0	634.0	1
1I	150	-673	-695	1842	0	-1226	639	9.3	1069.9	64.0	0.0	1079.1	1
1J	150	-673	-18	1842	0	-1226	-661	9.3	1072.2	64.0	0.0	1081.5	1
1K	150	-673	-695	-1943	0	1272	639	9.3	1107.2	67.5	0.0	1116.4	1
1L	150	-673	-18	-1943	0	1272	-661	9.3	1109.6	67.5	0.0	1118.8	1
1M	150	2677	-695	1842	0	-1226	639	36.8	1069.9	64.0	0.0	1106.7	1
1N	150	2677	-18	1842	0	-1226	-661	36.8	1072.2	64.0	0.0	1109.1	1
1O	150	2677	-695	-1943	0	1272	639	36.8	1107.2	67.5	0.0	1144.0	1
1P	150	2677	-18	-1943	0	1272	-661	36.8	1109.6	67.5	0.0	1146.4	1
2	150	2430	-1716	-744	0	464	-249	33.4	406.1	64.2	0.0	439.5	1
7	150	1846	-1349	-747	0	481	-174	25.4	411.1	50.5	0.0	436.5	1
8	150	2167	-1334	-499	0	305	-163	29.8	266.5	49.9	0.0	296.4	1

ASTA NUM. 14 NI 409 NF 410 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-1679	-553	1146	0	687	965	23.1	666.6	39.8	0.0	689.7	1	
1B	0	-1679	1842	1146	0	687	-1851	23.1	764.6	68.9	0.0	787.7	1	
1C	0	-1679	-553	-1000	0	-565	965	23.1	567.3	34.7	0.0	590.4	1	
1D	0	-1679	1842	-1000	0	-565	-1851	23.1	665.4	68.9	0.0	688.4	1	
1E	0	3769	-553	1146	0	687	965	51.8	666.6	39.8	0.0	718.5	1	
1F	0	3769	1842	1146	0	687	-1851	51.8	764.6	68.9	0.0	816.5	1	
1G	0	3769	-553	-1000	0	-565	965	51.8	567.3	34.7	0.0	619.2	1	
1H	0	3769	1842	-1000	0	-565	-1851	51.8	665.4	68.9	0.0	717.2	1	
1I	0	-848	169	2196	0	1138	78	11.7	936.5	76.3	0.0	948.1	1	
1J	0	-848	1120	2196	0	1138	-964	11.7	1034.5	76.3	0.0	1046.1	1	
1K	0	-848	169	-2051	0	-1017	78	11.7	837.2	71.2	0.0	848.8	1	
1L	0	-848	1120	-2051	0	-1017	-964	11.7	935.2	71.2	0.0	946.9	1	
1M	0	2938	169	2196	0	1138	78	40.4	936.5	76.3	0.0	976.9	1	
1N	0	2938	1120	2196	0	1138	-964	40.4	1034.5	76.3	0.0	1074.9	1	
1O	0	2938	169	-2051	0	-1017	78	40.4	837.2	71.2	0.0	877.6	1	
1P	0	2938	1120	-2051	0	-1017	-964	40.4	935.2	71.2	0.0	975.6	1	
2	0	2763	2607	875	0	574	-1582	38.0	642.7	97.5	0.0	680.7	1	
7	0	2131	2085	868	0	560	-1275	29.3	597.2	78.0	0.0	626.5	1	
8	0	2412	2080	593	0	397	-1280	33.2	464.9	77.8	0.0	498.1	1	
1A	75	-1679	-596	1146	0	-174	527	23.1	200.2	39.8	0.0	223.3	1	
1B	75	-1679	1799	1146	0	-174	-479	23.1	194.8	67.3	0.0	217.9	1	
1C	75	-1679	-596	-1000	0	187	527	23.1	210.7	34.7	0.0	233.7	1	
1D	75	-1679	1799	-1000	0	187	-479	23.1	205.3	67.3	0.0	228.4	1	
1E	75	3769	-596	1146	0	-174	527	51.8	200.2	39.8	0.0	252.0	1	
1F	75	3769	1799	1146	0	-174	-479	51.8	194.8	67.3	0.0	246.7	1	
1G	75	3769	-596	-1000	0	187	527	51.8	210.7	34.7	0.0	262.5	1	
1H	75	3769	1799	-1000	0	187	-479	51.8	205.3	67.3	0.0	257.1	1	
1I	75	-848	126	2196	0	-511	179	11.7	436.3	76.3	0.0	447.9	1	

1J	75	-848	1077	2196	0	-511	-130	11.7	430.9	76.3	0.0	442.6	1
1K	75	-848	126	-2051	0	524	179	11.7	446.7	71.2	0.0	458.4	1
1L	75	-848	1077	-2051	0	524	-130	11.7	441.4	71.2	0.0	453.0	1
1M	75	2938	126	2196	0	-511	179	40.4	436.3	76.3	0.0	476.7	1
1N	75	2938	1077	2196	0	-511	-130	40.4	430.9	76.3	0.0	471.3	1
1O	75	2938	126	-2051	0	524	179	40.4	446.7	71.2	0.0	487.1	1
1P	75	2938	1077	-2051	0	524	-130	40.4	441.4	71.2	0.0	481.8	1
2	75	2763	2551	875	0	-82	352	38.0	106.0	95.4	0.0	170.3	4
7	75	2131	2030	868	0	-91	268	29.3	104.2	75.9	0.0	135.5	4
8	75	2412	2024	593	0	-48	259	33.2	68.1	75.7	0.0	135.8	4
1A	150	-1679	-639	1146	0	-1035	58	23.1	850.0	39.8	0.0	873.1	1
1B	150	-1679	1756	1146	0	-1035	861	23.1	938.9	65.7	0.0	962.0	1
1C	150	-1679	-639	-1000	0	939	58	23.1	771.6	34.7	0.0	794.7	1
1D	150	-1679	1756	-1000	0	939	861	23.1	860.5	65.7	0.0	883.6	1
1E	150	3769	-639	1146	0	-1035	58	51.8	850.0	39.8	0.0	901.9	1
1F	150	3769	1756	1146	0	-1035	861	51.8	938.9	65.7	0.0	990.7	1
1G	150	3769	-639	-1000	0	939	58	51.8	771.6	34.7	0.0	823.5	1
1H	150	3769	1756	-1000	0	939	861	51.8	860.5	65.7	0.0	912.4	1
1I	150	-848	83	2196	0	-2161	247	11.7	1788.1	76.3	0.0	1799.8	1
1J	150	-848	1034	2196	0	-2161	672	11.7	1835.1	76.3	0.0	1846.7	1
1K	150	-848	83	-2051	0	2064	247	11.7	1709.7	71.2	0.0	1721.4	1
1L	150	-848	1034	-2051	0	2064	672	11.7	1756.7	71.2	0.0	1768.4	1
1M	150	2938	83	2196	0	-2161	247	40.4	1788.1	76.3	0.0	1828.5	1
1N	150	2938	1034	2196	0	-2161	672	40.4	1835.1	76.3	0.0	1875.5	1
1O	150	2938	83	-2051	0	2064	247	40.4	1709.7	71.2	0.0	1750.1	1
1P	150	2938	1034	-2051	0	2064	672	40.4	1756.7	71.2	0.0	1797.1	1
2	150	2763	2495	875	0	-738	2244	38.0	850.0	93.3	0.0	888.0	1
7	150	2131	1974	868	0	-743	1769	29.3	801.0	73.8	0.0	830.3	1
8	150	2412	1969	593	0	-494	1756	33.2	596.5	73.7	0.0	629.6	1

ASTA NUM. 15 NI 408 NF 409 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3418	-855	737	0	736	166	47.0	618.0	32.0	0.0	665.0	1	
1B	0	-3418	737	737	0	736	-469	47.0	651.5	27.6	0.0	698.5	1	
1C	0	-3418	-855	-956	0	-909	166	47.0	759.3	33.2	0.0	806.3	1	
1D	0	-3418	737	-956	0	-909	-469	47.0	792.8	33.2	0.0	839.8	1	
1E	0	5926	-855	737	0	736	166	81.5	618.0	32.0	0.0	699.5	1	
1F	0	5926	737	737	0	736	-469	81.5	651.5	27.6	0.0	733.0	1	
1G	0	5926	-855	-956	0	-909	166	81.5	759.3	33.2	0.0	840.8	1	
1H	0	5926	737	-956	0	-909	-469	81.5	792.8	33.2	0.0	874.3	1	
1I	0	-4851	-822	2110	0	2056	290	66.7	1707.2	73.3	0.0	1773.9	1	
1J	0	-4851	704	2110	0	2056	-592	66.7	1740.7	73.3	0.0	1807.4	1	
1K	0	-4851	-822	-2329	0	-2229	290	66.7	1848.5	80.9	0.0	1915.3	1	
1L	0	-4851	704	-2329	0	-2229	-592	66.7	1882.0	80.9	0.0	1948.7	1	
1M	0	7359	-822	2110	0	2056	290	101.2	1707.2	73.3	0.0	1808.4	1	
1N	0	7359	704	2110	0	2056	-592	101.2	1740.7	73.3	0.0	1841.9	1	
1O	0	7359	-822	-2329	0	-2229	290	101.2	1848.5	80.9	0.0	1949.7	1	
1P	0	7359	704	-2329	0	-2229	-592	101.2	1882.0	80.9	0.0	1983.2	1	
2	0	1597	-1918	-76	0	48	1276	22.0	179.9	71.7	0.0	201.9	1	
7	0	955	-1406	12	0	126	856	13.1	197.0	52.6	0.0	210.1	1	
8	0	1755	-1360	-113	0	-22	829	24.1	110.0	50.9	0.0	134.2	1	
1A	75	-3418	-898	737	0	173	579	47.0	205.4	33.6	0.0	252.4	1	
1B	75	-3418	694	737	0	173	-1002	47.0	252.3	26.0	0.0	299.3	1	
1C	75	-3418	-898	-956	0	-183	579	47.0	212.9	33.6	0.0	260.0	1	
1D	75	-3418	694	-956	0	-183	-1002	47.0	259.8	33.2	0.0	306.8	1	
1E	75	5926	-898	737	0	173	579	81.5	205.4	33.6	0.0	286.9	1	
1F	75	5926	694	737	0	173	-1002	81.5	252.3	26.0	0.0	333.8	1	
1G	75	5926	-898	-956	0	-183	579	81.5	212.9	33.6	0.0	294.5	1	
1H	75	5926	694	-956	0	-183	-1002	81.5	259.8	33.2	0.0	341.3	1	
1I	75	-4851	-865	2110	0	469	-418	66.7	428.3	73.3	0.0	495.0	1	
1J	75	-4851	661	2110	0	469	-6	66.7	382.6	73.3	0.0	449.4	1	
1K	75	-4851	-865	-2329	0	-478	-418	66.7	435.8	80.9	0.0	502.5	1	
1L	75	-4851	661	-2329	0	-478	-6	66.7	390.2	80.9	0.0	456.9	1	
1M	75	7359	-865	2110	0	469	-418	101.2	428.3	73.3	0.0	529.5	1	
1N	75	7359	661	2110	0	469	-6	101.2	382.6	73.3	0.0	483.9	1	
1O	75	7359	-865	-2329	0	-478	-418	101.2	435.8	80.9	0.0	537.0	1	
1P	75	7359	661	-2329	0	-478	-6	101.2	390.2	80.9	0.0	491.4	1	
2	75	1597	-1974	-76	0	104	-183	22.0	105.4	73.8	0.0	130.5	4	
7	75	955	-1462	12	0	116	-219	13.1	119.2	54.7	0.0	132.3	1	
8	75	1755	-1416	-113	0	62	-212	24.1	74.2	52.9	0.0	98.3	1	
1A	150	-3418	-941	737	0	-389	959	47.0	422.9	35.2	0.0	469.9	1	
1B	150	-3418	652	737	0	-389	-1568	47.0	490.2	25.6	0.0	537.2	1	
1C	150	-3418	-941	-956	0	544	959	47.0	549.2	35.2	0.0	596.2	1	
1D	150	-3418	652	-956	0	544	-1568	47.0	616.5	33.2	0.0	663.5	1	
1E	150	5926	-941	737	0	-389	959	81.5	422.9	35.2	0.0	504.4	1	
1F	150	5926	652	737	0	-389	-1568	81.5	490.2	25.6	0.0	571.7	1	
1G	150	5926	-941	-956	0	544	959	81.5	549.2	35.2	0.0	630.7	1	
1H	150	5926	652	-956	0	544	-1568	81.5	616.5	33.2	0.0	698.0	1	
1I	150	-4851	-908	2110	0	-1118	-1157	66.7	1039.2	73.3	0.0	1105.9	1	
1J	150	-4851	618	2110	0	-1118	549	66.7	971.8	73.3	0.0	1038.6	1	
1K	150	-4851	-908	-2329	0	1273	-1157	66.7	1165.4	80.9	0.0	1232.1	1	
1L	150	-4851	618	-2329	0	1273	549	66.7	1098.1	80.9	0.0	1164.8	1	
1M	150	7359	-908	2110	0	-1118	-1157	101.2	1039.2	73.3	0.0	1140.4	1	
1N	150	7359	618	2110	0	-1118	549	101.2	971.8	73.3	0.0	1073.1	1	
1O	150	7359	-908	-2329	0	1273	-1157	101.2	1165.4	80.9	0.0	1266.6	1	
1P	150	7359	618	-2329	0	1273	549	101.2	1098.1	80.9	0.0	1199.3	1	

2	150	1597	-2029	-76	0	161	-1684	22.0	317.8	75.9	0.0	339.7	1
7	150	955	-1517	12	0	107	-1336	13.1	235.3	56.7	0.0	248.5	1
8	150	1755	-1471	-113	0	147	-1294	24.1	263.0	55.0	0.0	287.1	1

ASTA NUM. 16 NI 407 NF 408 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-4510	-135	644	0	355	54	62.0	295.5	22.4	0.0	357.5	1	
1B	0	-4510	1832	644	0	355	-2774	62.0	596.4	68.5	0.0	658.5	1	
1C	0	-4510	-135	-449	0	-245	54	62.0	205.3	15.6	0.0	267.3	1	
1D	0	-4510	1832	-449	0	-245	-2774	62.0	506.2	68.5	0.0	568.3	1	
1E	0	6856	-135	644	0	355	54	94.3	295.5	22.4	0.0	389.8	1	
1F	0	6856	1832	644	0	355	-2774	94.3	596.4	68.5	0.0	690.7	1	
1G	0	6856	-135	-449	0	-245	54	94.3	205.3	15.6	0.0	299.6	1	
1H	0	6856	1832	-449	0	-245	-2774	94.3	506.2	68.5	0.0	600.5	1	
1I	0	-5870	-14	1393	0	594	260	80.7	512.6	48.4	0.0	593.3	1	
1J	0	-5870	1711	1393	0	594	-2980	80.7	813.5	64.0	0.0	894.2	1	
1K	0	-5870	-14	-1197	0	-483	260	80.7	422.4	41.6	0.0	503.1	1	
1L	0	-5870	1711	-1197	0	-483	-2980	80.7	723.3	64.0	0.0	804.0	1	
1M	0	8216	-14	1393	0	594	260	113.0	512.6	48.4	0.0	625.6	1	
1N	0	8216	1711	1393	0	594	-2980	113.0	813.5	64.0	0.0	926.5	1	
1O	0	8216	-14	-1197	0	-483	260	113.0	422.4	41.6	0.0	535.4	1	
1P	0	8216	1711	-1197	0	-483	-2980	113.0	723.3	64.0	0.0	836.3	1	
2	0	1137	2192	168	0	145	-1926	15.6	331.3	82.0	0.0	347.0	1	
7	0	616	1825	72	0	88	-1796	8.5	270.6	68.3	0.0	279.1	1	
8	0	1396	1872	170	0	129	-1894	19.2	314.9	70.0	0.0	334.1	1	
1A	75	-4510	-178	644	0	-136	-192	62.0	132.0	22.4	0.0	194.1	1	
1B	75	-4510	1789	644	0	-136	-1288	62.0	253.3	66.9	0.0	315.3	1	
1C	75	-4510	-178	-449	0	100	-192	62.0	102.9	15.6	0.0	164.9	1	
1D	75	-4510	1789	-449	0	100	-1288	62.0	224.1	66.9	0.0	286.1	1	
1E	75	6856	-178	644	0	-136	-192	94.3	132.0	22.4	0.0	226.3	1	
1F	75	6856	1789	644	0	-136	-1288	94.3	253.3	66.9	0.0	347.6	1	
1G	75	6856	-178	-449	0	100	-192	94.3	102.9	15.6	0.0	197.2	1	
1H	75	6856	1789	-449	0	100	-1288	94.3	224.1	66.9	0.0	318.4	1	
1I	75	-5870	-57	1393	0	-453	298	80.7	402.1	48.4	0.0	482.8	1	
1J	75	-5870	1668	1393	0	-453	-1777	80.7	565.7	62.4	0.0	646.5	1	
1K	75	-5870	-57	-1197	0	417	298	80.7	372.9	41.6	0.0	453.6	1	
1L	75	-5870	1668	-1197	0	417	-1777	80.7	536.6	62.4	0.0	617.3	1	
1M	75	8216	-57	1393	0	-453	298	113.0	402.1	48.4	0.0	515.1	1	
1N	75	8216	1668	1393	0	-453	-1777	113.0	565.7	62.4	0.0	678.7	1	
1O	75	8216	-57	-1197	0	417	298	113.0	372.9	41.6	0.0	485.9	1	
1P	75	8216	1668	-1197	0	417	-1777	113.0	536.6	62.4	0.0	649.6	1	
2	75	1137	2136	168	0	19	-303	15.6	49.1	79.9	0.0	139.4	4	
7	75	616	1770	72	0	35	-448	8.5	77.7	66.2	0.0	115.1	4	
8	75	1396	1816	170	0	1	-511	19.2	57.6	67.9	0.0	119.3	4	
1A	150	-4510	-221	644	0	-627	-470	62.0	563.1	22.4	0.0	625.2	1	
1B	150	-4510	1746	644	0	-627	167	62.0	529.6	65.3	0.0	591.7	1	
1C	150	-4510	-221	-449	0	445	-470	62.0	414.6	15.6	0.0	476.7	1	
1D	150	-4510	1746	-449	0	445	167	62.0	381.1	65.3	0.0	443.2	1	
1E	150	6856	-221	644	0	-627	-470	94.3	563.1	22.4	0.0	657.4	1	
1F	150	6856	1746	644	0	-627	167	94.3	529.6	65.3	0.0	623.9	1	
1G	150	6856	-221	-449	0	445	-470	94.3	414.6	15.6	0.0	508.9	1	
1H	150	6856	1746	-449	0	445	167	94.3	381.1	65.3	0.0	475.4	1	
1I	150	-5870	-100	1393	0	-1500	303	80.7	1255.6	48.4	0.0	1336.3	1	
1J	150	-5870	1625	1393	0	-1500	-606	80.7	1289.1	60.8	0.0	1369.8	1	
1K	150	-5870	-100	-1197	0	1317	303	80.7	1107.1	41.6	0.0	1187.8	1	
1L	150	-5870	1625	-1197	0	1317	-606	80.7	1140.6	60.8	0.0	1221.3	1	
1M	150	8216	-100	1393	0	-1500	303	113.0	1255.6	48.4	0.0	1368.6	1	
1N	150	8216	1625	1393	0	-1500	-606	113.0	1289.1	60.8	0.0	1402.1	1	
1O	150	8216	-100	-1197	0	1317	303	113.0	1107.1	41.6	0.0	1220.1	1	
1P	150	8216	1625	-1197	0	1317	-606	113.0	1140.6	60.8	0.0	1253.6	1	
2	150	1137	2080	168	0	-107	1278	15.6	228.4	77.8	0.0	244.1	1	
7	150	616	1714	72	0	-19	858	8.5	110.6	64.1	0.0	129.7	3	
8	150	1396	1761	170	0	-126	831	19.2	195.0	65.9	0.0	214.2	1	

ASTA NUM. 17 NI 722 NF 721 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m			kg/cmq					
1A	0	-624	-297	593	0	372	655	8.6	375.5	20.6	0.0	384.0	1	
1B	0	-624	142	593	0	372	-526	8.6	361.2	20.6	0.0	369.8	1	
1C	0	-624	-297	-761	0	-489	655	8.6	470.8	26.4	0.0	479.4	1	
1D	0	-624	142	-761	0	-489	-526	8.6	456.5	26.4	0.0	465.1	1	
1E	0	1155	-297	593	0	372	655	15.9	375.5	20.6	0.0	391.3	1	
1F	0	1155	142	593	0	372	-526	15.9	361.2	20.6	0.0	377.1	1	
1G	0	1155	-297	-761	0	-489	655	15.9	470.8	26.4	0.0	486.7	1	
1H	0	1155	142	-761	0	-489	-526	15.9	456.5	26.4	0.0	472.4	1	
1I	0	-845	-388	1402	0	821	471	11.6	721.0	48.7	0.0	732.7	1	
1J	0	-845	233	1402	0	821	-342	11.6	706.8	48.7	0.0	718.4	1	
1K	0	-845	-388	-1570	0	-938	471	11.6	816.4	54.5	0.0	828.0	1	
1L	0	-845	233	-1570	0	-938	-342	11.6	802.1	54.5	0.0	813.7	1	

1M	0	1376	-388	1402	0	821	471	18.9	721.0	48.7	0.0	740.0	1
1N	0	1376	233	1402	0	821	-342	18.9	706.8	48.7	0.0	725.7	1
1O	0	1376	-388	-1570	0	-938	471	18.9	816.4	54.5	0.0	835.3	1
1P	0	1376	233	-1570	0	-938	-342	18.9	802.1	54.5	0.0	821.0	1
2	0	1576	-542	-846	0	-540	305	21.7	473.8	29.4	0.0	495.5	1
7	0	1418	-450	-824	0	-519	269	19.5	452.4	28.6	0.0	471.9	1
8	0	1159	-409	-589	0	-379	232	15.9	334.8	20.5	0.0	350.8	1
1A	75	-624	-340	593	0	-74	598	8.6	126.1	20.6	0.0	134.6	1
1B	75	-624	99	593	0	-74	-617	8.6	128.2	20.6	0.0	136.7	1
1C	75	-624	-340	-761	0	82	598	8.6	133.3	26.4	0.0	141.9	1
1D	75	-624	99	-761	0	82	-617	8.6	135.4	26.4	0.0	144.0	1
1E	75	1155	-340	593	0	-74	598	15.9	126.1	20.6	0.0	142.0	1
1F	75	1155	99	593	0	-74	-617	15.9	128.2	20.6	0.0	144.1	1
1G	75	1155	-340	-761	0	82	598	15.9	133.3	26.4	0.0	149.2	1
1H	75	1155	99	-761	0	82	-617	15.9	135.4	26.4	0.0	151.3	1
1I	75	-845	-431	1402	0	-231	8	11.6	189.3	48.7	0.0	201.0	1
1J	75	-845	191	1402	0	-231	-27	11.6	191.4	48.7	0.0	203.1	1
1K	75	-845	-431	-1570	0	240	8	11.6	196.6	54.5	0.0	208.2	1
1L	75	-845	191	-1570	0	240	-27	11.6	198.7	54.5	0.0	210.3	1
1M	75	1376	-431	1402	0	-231	8	18.9	189.3	48.7	0.0	208.3	1
1N	75	1376	191	1402	0	-231	-27	18.9	191.4	48.7	0.0	210.4	1
1O	75	1376	-431	-1570	0	240	8	18.9	196.6	54.5	0.0	215.5	1
1P	75	1376	191	-1570	0	240	-27	18.9	198.7	54.5	0.0	217.6	1
2	75	1576	-597	-846	0	95	-122	21.7	90.6	29.4	0.0	112.3	1
7	75	1418	-506	-824	0	99	-90	19.5	90.6	28.6	0.0	110.2	1
8	75	1159	-465	-589	0	62	-95	15.9	61.3	20.5	0.0	77.3	1
1A	150	-624	-382	593	0	-519	508	8.6	479.0	20.6	0.0	487.6	1
1B	150	-624	56	593	0	-519	-739	8.6	504.6	20.6	0.0	513.2	1
1C	150	-624	-382	-761	0	654	508	8.6	588.8	26.4	0.0	597.4	1
1D	150	-624	56	-761	0	654	-739	8.6	614.4	26.4	0.0	623.0	1
1E	150	1155	-382	593	0	-519	508	15.9	479.0	20.6	0.0	494.9	1
1F	150	1155	56	593	0	-519	-739	15.9	504.6	20.6	0.0	520.5	1
1G	150	1155	-382	-761	0	654	508	15.9	588.8	26.4	0.0	604.7	1
1H	150	1155	56	-761	0	654	-739	15.9	614.4	26.4	0.0	630.3	1
1I	150	-845	-474	1402	0	-1283	-488	11.6	1099.8	48.7	0.0	1111.4	1
1J	150	-845	148	1402	0	-1283	256	11.6	1074.2	48.7	0.0	1085.8	1
1K	150	-845	-474	-1570	0	1418	-488	11.6	1209.6	54.5	0.0	1221.2	1
1L	150	-845	148	-1570	0	1418	256	11.6	1184.0	54.5	0.0	1195.6	1
1M	150	1376	-474	1402	0	-1283	-488	18.9	1099.8	48.7	0.0	1118.7	1
1N	150	1376	148	1402	0	-1283	256	18.9	1074.2	48.7	0.0	1093.1	1
1O	150	1376	-474	-1570	0	1418	-488	18.9	1209.6	54.5	0.0	1228.5	1
1P	150	1376	148	-1570	0	1418	256	18.9	1184.0	54.5	0.0	1202.9	1
2	150	1576	-653	-846	0	729	-591	21.7	659.7	29.4	0.0	681.4	1
7	150	1418	-561	-824	0	717	-490	19.5	638.3	28.6	0.0	657.9	1
8	150	1159	-520	-589	0	504	-465	15.9	462.1	20.5	0.0	478.0	1

ASTA NUM. 18 NI 418 NF 417 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-657	-1593	738	0	462	513	9.0	433.2	59.6	0.0	442.2	1	
1B	0	-657	1037	738	0	462	2	9.0	376.7	38.8	0.0	385.7	1	
1C	0	-657	-1593	-691	0	-423	513	9.0	401.5	59.6	0.0	410.5	1	
1D	0	-657	1037	-691	0	-423	2	9.0	345.0	38.8	0.0	354.0	1	
1E	0	1718	-1593	738	0	462	513	23.6	433.2	59.6	0.0	456.8	1	
1F	0	1718	1037	738	0	462	2	23.6	376.7	38.8	0.0	400.3	1	
1G	0	1718	-1593	-691	0	-423	513	23.6	401.5	59.6	0.0	425.1	1	
1H	0	1718	1037	-691	0	-423	2	23.6	345.0	38.8	0.0	368.6	1	
1I	0	-1285	-1212	1482	0	874	708	17.7	790.4	51.5	0.0	808.1	1	
1J	0	-1285	656	1482	0	874	-192	17.7	733.4	51.5	0.0	751.0	1	
1K	0	-1285	-1212	-1436	0	-835	708	17.7	758.7	49.9	0.0	776.4	1	
1L	0	-1285	656	-1436	0	-835	-192	17.7	701.6	49.9	0.0	719.3	1	
1M	0	2347	-1212	1482	0	874	708	32.3	790.4	51.5	0.0	822.7	1	
1N	0	2347	656	1482	0	874	-192	32.3	733.4	51.5	0.0	765.6	1	
1O	0	2347	-1212	-1436	0	-835	708	32.3	758.7	49.9	0.0	791.0	1	
1P	0	2347	656	-1436	0	-835	-192	32.3	701.6	49.9	0.0	733.9	1	
2	0	743	-379	-292	0	-140	305	10.2	148.0	14.2	0.0	158.3	1	
7	0	452	-263	-382	0	-201	230	6.2	189.6	13.3	0.0	195.8	1	
8	0	796	-388	-159	0	-70	333	10.9	93.5	14.5	0.0	104.5	1	
1A	75	-657	-1636	738	0	-91	-721	9.0	154.2	61.2	0.0	163.3	1	
1B	75	-657	994	738	0	-91	787	9.0	161.6	37.2	0.0	170.6	1	
1C	75	-657	-1636	-691	0	96	-721	9.0	157.7	61.2	0.0	166.7	1	
1D	75	-657	994	-691	0	96	787	9.0	165.0	37.2	0.0	174.1	1	
1E	75	1718	-1636	738	0	-91	-721	23.6	154.2	61.2	0.0	177.9	1	
1F	75	1718	994	738	0	-91	787	23.6	161.6	37.2	0.0	185.2	1	
1G	75	1718	-1636	-691	0	96	-721	23.6	157.7	61.2	0.0	181.3	1	
1H	75	1718	994	-691	0	96	787	23.6	165.0	37.2	0.0	188.7	1	
1I	75	-1285	-1255	1482	0	-238	-228	17.7	219.1	51.5	0.0	236.8	1	
1J	75	-1285	613	1482	0	-238	294	17.7	226.5	51.5	0.0	244.1	1	
1K	75	-1285	-1255	-1436	0	242	-228	17.7	222.6	49.9	0.0	240.3	1	
1L	75	-1285	613	-1436	0	242	294	17.7	229.9	49.9	0.0	247.6	1	
1M	75	2347	-1255	1482	0	-238	-228	32.3	219.1	51.5	0.0	251.4	1	
1N	75	2347	613	1482	0	-238	294	32.3	226.5	51.5	0.0	258.7	1	
1O	75	2347	-1255	-1436	0	242	-228	32.3	222.6	49.9	0.0	254.9	1	
1P	75	2347	613	-1436	0	242	294	32.3	229.9	49.9	0.0	262.2	1	
2	75	743	-435	-292	0	79	-1	10.2	64.0	16.3	0.0	74.3	1	
7	75	452	-319	-382	0	85	12	6.2	70.7	13.3	0.0	76.9	1	
8	75	796	-443	-159	0	50	21	10.9	43.1	16.6	0.0	54.0	1	

1A	150	-657	-1679	738	0	-645	-1986	9.0	745.2	62.8	0.0	754.2	1
1B	150	-657	951	738	0	-645	1539	9.0	695.7	35.6	0.0	704.7	1
1C	150	-657	-1679	-691	0	614	-1986	9.0	720.4	62.8	0.0	729.4	1
1D	150	-657	951	-691	0	614	1539	9.0	670.9	35.6	0.0	680.0	1
1E	150	1718	-1679	738	0	-645	-1986	23.6	745.2	62.8	0.0	768.8	1
1F	150	1718	951	738	0	-645	1539	23.6	695.7	35.6	0.0	719.3	1
1G	150	1718	-1679	-691	0	614	-1986	23.6	720.4	62.8	0.0	744.0	1
1H	150	1718	951	-691	0	614	1539	23.6	670.9	35.6	0.0	694.6	1
1I	150	-1285	-1298	1482	0	-1350	-1195	17.7	1232.2	51.5	0.0	1249.9	1
1J	150	-1285	570	1482	0	-1350	748	17.7	1182.7	51.5	0.0	1200.4	1
1K	150	-1285	-1298	-1436	0	1319	-1195	17.7	1207.4	49.9	0.0	1225.1	1
1L	150	-1285	570	-1436	0	1319	748	17.7	1157.9	49.9	0.0	1175.6	1
1M	150	2347	-1298	1482	0	-1350	-1195	32.3	1232.2	51.5	0.0	1264.5	1
1N	150	2347	570	1482	0	-1350	748	32.3	1182.7	51.5	0.0	1215.0	1
1O	150	2347	-1298	-1436	0	1319	-1195	32.3	1207.4	49.9	0.0	1239.7	1
1P	150	2347	570	-1436	0	1319	748	32.3	1157.9	49.9	0.0	1190.2	1
2	150	743	-490	-292	0	297	-348	10.2	280.7	18.3	0.0	291.0	1
7	150	452	-374	-382	0	372	-248	6.2	330.3	14.0	0.0	336.5	1
8	150	796	-499	-159	0	170	-332	10.9	174.9	18.7	0.0	185.8	1

ASTA NUM. 19 NI 411 NF 412 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-766	-1047	663	0	591	1641	10.5	663.4	39.2	0.0	673.9	1	
1B	0	-766	1665	663	0	591	-2045	10.5	708.1	62.3	0.0	718.6	1	
1C	0	-766	-1047	-733	0	-641	1641	10.5	704.3	39.2	0.0	714.8	1	
1D	0	-766	1665	-733	0	-641	-2045	10.5	749.0	62.3	0.0	759.5	1	
1E	0	1643	-1047	663	0	591	1641	22.6	663.4	39.2	0.0	686.0	1	
1F	0	1643	1665	663	0	591	-2045	22.6	708.1	62.3	0.0	730.7	1	
1G	0	1643	-1047	-733	0	-641	1641	22.6	704.3	39.2	0.0	726.9	1	
1H	0	1643	1665	-733	0	-641	-2045	22.6	749.0	62.3	0.0	771.6	1	
1I	0	-1349	-632	1388	0	1278	803	18.6	1130.5	48.2	0.0	1149.1	1	
1J	0	-1349	1250	1388	0	1278	-1207	18.6	1175.2	48.2	0.0	1193.8	1	
1K	0	-1349	-632	-1458	0	-1328	803	18.6	1171.4	50.6	0.0	1190.0	1	
1L	0	-1349	1250	-1458	0	-1328	-1207	18.6	1216.1	50.6	0.0	1234.7	1	
1M	0	2226	-632	1388	0	1278	803	30.6	1130.5	48.2	0.0	1161.2	1	
1N	0	2226	1250	1388	0	1278	-1207	30.6	1175.2	48.2	0.0	1205.9	1	
1O	0	2226	-632	-1458	0	-1328	803	30.6	1171.4	50.6	0.0	1202.1	1	
1P	0	2226	1250	-1458	0	-1328	-1207	30.6	1216.1	50.6	0.0	1246.8	1	
2	0	678	455	264	0	274	-339	9.3	260.6	17.0	0.0	269.9	1	
7	0	377	331	354	0	348	-233	5.2	309.1	12.4	0.0	314.3	1	
8	0	714	453	136	0	149	-319	9.8	157.0	17.0	0.0	166.9	1	
1A	75	-766	-1090	663	0	93	817	10.5	166.5	40.8	0.0	177.0	1	
1B	75	-766	1622	663	0	93	-789	10.5	163.4	60.7	0.0	174.0	1	
1C	75	-766	-1090	-733	0	-91	817	10.5	164.6	40.8	0.0	175.1	1	
1D	75	-766	1622	-733	0	-91	-789	10.5	161.6	60.7	0.0	172.1	1	
1E	75	1643	-1090	663	0	93	817	22.6	166.5	40.8	0.0	189.1	1	
1F	75	1643	1622	663	0	93	-789	22.6	163.4	60.7	0.0	186.0	1	
1G	75	1643	-1090	-733	0	-91	817	22.6	164.6	40.8	0.0	187.2	1	
1H	75	1643	1622	-733	0	-91	-789	22.6	161.6	60.7	0.0	184.2	1	
1I	75	-1349	-675	1388	0	237	303	18.6	226.5	48.2	0.0	245.0	1	
1J	75	-1349	1207	1388	0	237	-275	18.6	223.4	48.2	0.0	242.0	1	
1K	75	-1349	-675	-1458	0	-234	303	18.6	224.6	50.6	0.0	243.2	1	
1L	75	-1349	1207	-1458	0	-234	-275	18.6	221.6	50.6	0.0	240.1	1	
1M	75	2226	-675	1388	0	237	303	30.6	226.5	48.2	0.0	257.1	1	
1N	75	2226	1207	1388	0	237	-275	30.6	223.4	48.2	0.0	254.1	1	
1O	75	2226	-675	-1458	0	-234	303	30.6	224.6	50.6	0.0	255.2	1	
1P	75	2226	1207	-1458	0	-234	-275	30.6	221.6	50.6	0.0	252.2	1	
2	75	678	399	264	0	76	-19	9.3	63.7	14.9	0.0	73.0	1	
7	75	377	275	354	0	82	-6	5.2	67.6	12.3	0.0	72.7	1	
8	75	714	398	136	0	48	0	9.8	38.9	14.9	0.0	48.7	1	
1A	150	-766	-1133	663	0	-404	-39	10.5	334.0	42.4	0.0	344.5	1	
1B	150	-766	1580	663	0	-404	434	10.5	377.7	59.1	0.0	388.2	1	
1C	150	-766	-1133	-733	0	459	-39	10.5	378.6	42.4	0.0	389.2	1	
1D	150	-766	1580	-733	0	459	434	10.5	422.3	59.1	0.0	432.8	1	
1E	150	1643	-1133	663	0	-404	-39	22.6	334.0	42.4	0.0	356.6	1	
1F	150	1643	1580	663	0	-404	434	22.6	377.7	59.1	0.0	400.3	1	
1G	150	1643	-1133	-733	0	459	-39	22.6	378.6	42.4	0.0	401.2	1	
1H	150	1643	1580	-733	0	459	434	22.6	422.3	59.1	0.0	444.9	1	
1I	150	-1349	-718	1388	0	-805	-230	18.6	681.1	48.2	0.0	699.7	1	
1J	150	-1349	1165	1388	0	-805	624	18.6	724.8	48.2	0.0	743.4	1	
1K	150	-1349	-718	-1458	0	859	-230	18.6	725.8	50.6	0.0	744.3	1	
1L	150	-1349	1165	-1458	0	859	624	18.6	769.4	50.6	0.0	788.0	1	
1M	150	2226	-718	1388	0	-805	-230	30.6	681.1	48.2	0.0	711.7	1	
1N	150	2226	1165	1388	0	-805	624	30.6	724.8	48.2	0.0	755.4	1	
1O	150	2226	-718	-1458	0	859	-230	30.6	725.8	50.6	0.0	756.4	1	
1P	150	2226	1165	-1458	0	859	624	30.6	769.4	50.6	0.0	800.1	1	
2	150	678	344	264	0	-123	260	9.3	128.6	12.9	0.0	138.0	1	
7	150	377	220	354	0	-183	180	5.2	169.4	12.3	0.0	174.6	1	
8	150	714	342	136	0	-54	278	9.8	74.8	12.8	0.0	84.7	1	

ASTA NUM. 20 NI 398 NF 399 Lungh. 150.0 cm SEZ. 8 Ps IPE 360

categoria: p.p. y qy tot.
qy medio: 0.5707 0.5707 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-623	-294	743	0	478	695	8.6	466.2	25.8	0.0	474.7	1	
1B	0	-623	141	743	0	478	-579	8.6	453.3	25.8	0.0	461.9	1	
1C	0	-623	-294	-587	0	-368	695	8.6	377.0	20.4	0.0	385.5	1	
1D	0	-623	141	-587	0	-368	-579	8.6	364.1	20.4	0.0	372.7	1	
1E	0	1128	-294	743	0	478	695	15.5	466.2	25.8	0.0	481.7	1	
1F	0	1128	141	743	0	478	-579	15.5	453.3	25.8	0.0	468.9	1	
1G	0	1128	-294	-587	0	-368	695	15.5	377.0	20.4	0.0	392.5	1	
1H	0	1128	141	-587	0	-368	-579	15.5	364.1	20.4	0.0	379.6	1	
1I	0	-839	-387	1535	0	917	499	11.5	802.3	53.3	0.0	813.8	1	
1J	0	-839	234	1535	0	917	-383	11.5	789.5	53.3	0.0	801.0	1	
1K	0	-839	-387	-1379	0	-807	499	11.5	713.1	47.9	0.0	724.6	1	
1L	0	-839	234	-1379	0	-807	-383	11.5	700.2	47.9	0.0	711.8	1	
1M	0	1344	-387	1535	0	917	499	18.5	802.3	53.3	0.0	820.8	1	
1N	0	1344	234	1535	0	917	-383	18.5	789.5	53.3	0.0	807.9	1	
1O	0	1344	-387	-1379	0	-807	499	18.5	713.1	47.9	0.0	731.6	1	
1P	0	1344	234	-1379	0	-807	-383	18.5	700.2	47.9	0.0	718.7	1	
2	0	1549	-575	829	0	530	280	21.3	462.5	28.8	0.0	483.8	1	
7	0	1391	-480	806	0	508	245	19.1	440.7	28.0	0.0	459.9	1	
8	0	1137	-434	576	0	371	214	15.6	326.1	20.0	0.0	341.7	1	
1A	75	-623	-337	743	0	-80	640	8.6	136.0	25.8	0.0	144.5	1	
1B	75	-623	98	743	0	-80	-671	8.6	139.4	25.8	0.0	148.0	1	
1C	75	-623	-337	-587	0	73	640	8.6	130.0	20.4	0.0	138.6	1	
1D	75	-623	98	-587	0	73	-671	8.6	133.4	20.4	0.0	142.0	1	
1E	75	1128	-337	743	0	-80	640	15.5	136.0	25.8	0.0	151.5	1	
1F	75	1128	98	743	0	-80	-671	15.5	139.4	25.8	0.0	154.9	1	
1G	75	1128	-337	-587	0	73	640	15.5	130.0	20.4	0.0	145.5	1	
1H	75	1128	98	-587	0	73	-671	15.5	133.4	20.4	0.0	149.0	1	
1I	75	-839	-430	1535	0	-235	-27	11.5	194.2	53.3	0.0	205.7	1	
1J	75	-839	191	1535	0	-235	-4	11.5	191.6	53.3	0.0	203.1	1	
1K	75	-839	-430	-1379	0	227	-27	11.5	188.2	47.9	0.0	199.8	1	
1L	75	-839	191	-1379	0	227	-4	11.5	185.6	47.9	0.0	197.2	1	
1M	75	1344	-430	1535	0	-235	-27	18.5	194.2	53.3	0.0	212.7	1	
1N	75	1344	191	1535	0	-235	-4	18.5	191.6	53.3	0.0	210.1	1	
1O	75	1344	-430	-1379	0	227	-27	18.5	188.2	47.9	0.0	206.7	1	
1P	75	1344	191	-1379	0	227	-4	18.5	185.6	47.9	0.0	204.1	1	
2	75	1549	-630	829	0	-92	-172	21.3	94.4	28.8	0.0	115.7	1	
7	75	1391	-536	806	0	-97	-136	19.1	93.8	28.0	0.0	113.0	1	
8	75	1137	-489	576	0	-61	-133	15.6	64.1	20.0	0.0	79.7	1	
1A	150	-623	-380	743	0	-638	552	8.6	580.8	25.8	0.0	589.3	1	
1B	150	-623	55	743	0	-638	-795	8.6	607.5	25.8	0.0	616.1	1	
1C	150	-623	-380	-587	0	514	552	8.6	479.7	20.4	0.0	488.2	1	
1D	150	-623	55	-587	0	514	-795	8.6	506.4	20.4	0.0	515.0	1	
1E	150	1128	-380	743	0	-638	552	15.5	580.8	25.8	0.0	596.3	1	
1F	150	1128	55	743	0	-638	-795	15.5	607.5	25.8	0.0	623.1	1	
1G	150	1128	-380	-587	0	514	552	15.5	479.7	20.4	0.0	495.2	1	
1H	150	1128	55	-587	0	514	-795	15.5	506.4	20.4	0.0	522.0	1	
1I	150	-839	-472	1535	0	-1386	-586	11.5	1194.2	53.3	0.0	1205.7	1	
1J	150	-839	148	1535	0	-1386	343	11.5	1167.4	53.3	0.0	1178.9	1	
1K	150	-839	-472	-1379	0	1262	-586	11.5	1093.1	47.9	0.0	1104.6	1	
1L	150	-839	148	-1379	0	1262	343	11.5	1066.3	47.9	0.0	1077.8	1	
1M	150	1344	-472	1535	0	-1386	-586	18.5	1194.2	53.3	0.0	1212.7	1	
1N	150	1344	148	1535	0	-1386	343	18.5	1167.4	53.3	0.0	1185.9	1	
1O	150	1344	-472	-1379	0	1262	-586	18.5	1093.1	47.9	0.0	1111.6	1	
1P	150	1344	148	-1379	0	1262	343	18.5	1066.3	47.9	0.0	1084.8	1	
2	150	1549	-686	829	0	-714	-665	21.3	655.9	28.8	0.0	677.2	1	
7	150	1391	-592	806	0	-701	-559	19.1	633.0	28.0	0.0	652.1	1	
8	150	1137	-545	576	0	-492	-520	15.6	458.8	20.4	0.0	474.4	1	

Lavoro: **Arena** Intestazione lavoro: **Arena**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **1** Descrizione: **Pilastri**
Tabella: **Tabella pilastri** Struttura: **Nuova**
Tipo acciaio: **S 275** Beta piano 'yx': **1.000** Beta piano 'zx': **1.000**

ASTA NUM. 1 NI 1 NF 12 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6817	-10	66	0	0	0	126.7	0.1	5.6	0.0	127.1	4	
1B	0	-6817	14	66	0	0	-0	126.7	0.1	5.6	0.0	127.1	4	
1C	0	-6817	-10	-85	0	-0	0	126.7	0.1	7.2	0.0	127.3	4	
1D	0	-6817	14	-85	0	-0	-0	126.7	0.1	7.2	0.0	127.3	4	
1E	0	5538	-10	66	0	0	0	102.9	0.1	5.6	0.0	103.4	4	
1F	0	5538	14	66	0	0	-0	102.9	0.1	5.6	0.0	103.4	4	
1G	0	5538	-10	-85	0	-0	0	102.9	0.1	7.2	0.0	103.7	4	
1H	0	5538	14	-85	0	-0	-0	102.9	0.1	7.2	0.0	103.7	4	
1I	0	-4074	-4	36	0	0	0	75.7	0.1	3.1	0.0	75.9	3	
1J	0	-4074	7	36	0	0	-0	75.7	0.1	3.1	0.0	75.9	3	
1K	0	-4074	-4	-55	0	-0	0	75.7	0.1	4.7	0.0	76.2	4	
1L	0	-4074	7	-55	0	-0	-0	75.7	0.1	4.7	0.0	76.2	4	
1M	0	2795	-4	36	0	0	0	52.0	0.1	3.1	0.0	52.2	3	
1N	0	2795	7	36	0	0	-0	52.0	0.1	3.1	0.0	52.2	3	
1O	0	2795	-4	-55	0	-0	0	52.0	0.1	4.7	0.0	52.6	4	
1P	0	2795	7	-55	0	-0	-0	52.0	0.1	4.7	0.0	52.6	4	
2	0	3580	10	-80	0	-1	-0	66.5	0.3	6.8	0.0	67.6	4	
7	0	2805	9	-62	0	-1	-0	52.1	0.2	5.2	0.0	52.9	4	
8	0	3116	6	-77	0	-1	-0	57.9	0.2	6.5	0.0	59.0	4	
1A	55	-6794	-10	66	0	47	-6	126.3	16.4	5.6	0.0	142.7	1	
1B	55	-6794	14	66	0	47	8	126.3	17.9	5.6	0.0	144.2	1	
1C	55	-6794	-10	-85	0	-37	-6	126.3	13.7	7.2	0.0	140.0	1	
1D	55	-6794	14	-85	0	-37	8	126.3	15.2	7.2	0.0	141.5	1	
1E	55	5561	-10	66	0	47	-6	103.4	16.4	5.6	0.0	119.8	1	
1F	55	5561	14	66	0	47	8	103.4	17.9	5.6	0.0	121.2	1	
1G	55	5561	-10	-85	0	-37	-6	103.4	13.7	7.2	0.0	117.1	1	
1H	55	5561	14	-85	0	-37	8	103.4	15.2	7.2	0.0	118.6	1	
1I	55	-4051	-4	36	0	31	-2	75.3	9.4	3.1	0.0	84.7	1	
1J	55	-4051	7	36	0	31	4	75.3	10.9	3.1	0.0	86.2	1	
1K	55	-4051	-4	-55	0	-20	-2	75.3	6.7	4.7	0.0	82.0	1	
1L	55	-4051	7	-55	0	-20	4	75.3	8.2	4.7	0.0	83.5	1	
1M	55	2819	-4	36	0	31	-2	52.4	9.4	3.1	0.0	61.8	1	
1N	55	2819	7	36	0	31	4	52.4	10.9	3.1	0.0	63.2	1	
1O	55	2819	-4	-55	0	-20	-2	52.4	6.7	4.7	0.0	59.1	1	
1P	55	2819	7	-55	0	-20	4	52.4	8.2	4.7	0.0	60.6	1	
2	55	3610	10	-16	0	26	5	67.1	10.6	1.4	0.0	77.7	1	
7	55	2836	9	-17	0	21	5	52.7	9.2	1.4	0.0	61.9	1	
8	55	3146	6	-13	0	24	3	58.5	8.5	1.1	0.0	67.0	1	
1A	111	-6770	-10	66	0	94	-11	125.8	32.7	5.6	0.0	158.6	1	
1B	111	-6770	14	66	0	94	15	125.8	35.7	5.6	0.0	161.6	1	
1C	111	-6770	-10	-85	0	-73	-11	125.8	27.4	7.2	0.0	153.2	1	
1D	111	-6770	14	-85	0	-73	15	125.8	30.4	7.2	0.0	156.2	1	
1E	111	5585	-10	66	0	94	-11	103.8	32.7	5.6	0.0	136.5	1	
1F	111	5585	14	66	0	94	15	103.8	35.7	5.6	0.0	139.5	1	
1G	111	5585	-10	-85	0	-73	-11	103.8	27.4	7.2	0.0	131.2	1	
1H	111	5585	14	-85	0	-73	15	103.8	30.4	7.2	0.0	134.2	1	
1I	111	-4028	-4	36	0	61	-4	74.9	18.7	3.1	0.0	93.6	1	
1J	111	-4028	7	36	0	61	8	74.9	21.7	3.1	0.0	96.5	1	
1K	111	-4028	-4	-55	0	-40	-4	74.9	13.4	4.7	0.0	88.2	1	
1L	111	-4028	7	-55	0	-40	8	74.9	16.4	4.7	0.0	91.2	1	
1M	111	2842	-4	36	0	61	-4	52.8	18.7	3.1	0.0	71.5	1	
1N	111	2842	7	36	0	61	8	52.8	21.7	3.1	0.0	74.5	1	
1O	111	2842	-4	-55	0	-40	-4	52.8	13.4	4.7	0.0	66.2	1	
1P	111	2842	7	-55	0	-40	8	52.8	16.4	4.7	0.0	69.2	1	
2	111	3641	10	48	0	17	11	67.7	12.4	4.0	0.0	80.1	1	
7	111	2866	9	28	0	18	10	53.3	12.3	2.4	0.0	65.6	1	
8	111	3177	6	51	0	13	6	59.1	8.2	4.3	0.0	67.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6817	57	7	23	23	14	1.03	1.00	150.2	
1B	-6817	57	9	23	23	14	1.03	1.00	152.0	
1C	-6817	44	7	23	23	14	1.03	1.00	147.0	
1D	-6817	44	9	23	23	14	1.03	1.00	148.8	

1E	5585	57	7	23	23	14	1.00	1.00	123.5
1F	5585	57	9	23	23	14	1.00	1.00	125.3
1G	5585	44	7	23	23	14	1.00	1.00	120.3
1H	5585	44	9	23	23	14	1.00	1.00	122.0
1I	-4074	37	2	23	23	14	1.03	1.00	89.3
1J	-4074	37	5	23	23	14	1.03	1.00	91.0
1K	-4074	24	2	23	23	14	1.03	1.00	86.0
1L	-4074	24	5	23	23	14	1.03	1.00	87.8
1M	2842	37	2	23	23	14	1.00	1.00	64.1
1N	2842	37	5	23	23	14	1.00	1.00	65.8
1O	2842	24	2	23	23	14	1.00	1.00	60.9
1P	2842	24	5	23	23	14	1.00	1.00	62.6
2	3641	10	6	23	23	14	1.00	1.00	75.0
7	2866	11	6	23	23	14	1.00	1.00	60.6
8	3177	8	4	23	23	14	1.00	1.00	63.9

ASTA NUM. 2 NI 2 NF 20 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-10495	-42	70	0	0	0	195.1	0.0	5.9	0.0	195.3	4	
1B	0	-10495	22	70	0	0	-0	195.1	0.0	5.9	0.0	195.3	4	
1C	0	-10495	-42	-89	0	-0	0	195.1	0.0	7.5	0.0	195.5	4	
1D	0	-10495	22	-89	0	-0	-0	195.1	0.0	7.5	0.0	195.5	4	
1E	0	8265	-42	70	0	0	0	153.6	0.0	5.9	0.0	154.0	4	
1F	0	8265	22	70	0	0	-0	153.6	0.0	5.9	0.0	154.0	4	
1G	0	8265	-42	-89	0	-0	0	153.6	0.0	7.5	0.0	154.2	4	
1H	0	8265	22	-89	0	-0	-0	153.6	0.0	7.5	0.0	154.2	4	
1I	0	-8398	-42	39	0	0	0	156.1	0.0	3.3	0.0	156.2	3	
1J	0	-8398	22	39	0	0	-0	156.1	0.0	3.3	0.0	156.2	4	
1K	0	-8398	-42	-58	0	-0	0	156.1	0.0	5.0	0.0	156.3	4	
1L	0	-8398	22	-58	0	-0	-0	156.1	0.0	5.0	0.0	156.3	4	
1M	0	6168	-42	39	0	0	0	114.6	0.0	3.3	0.0	114.8	3	
1N	0	6168	22	39	0	0	-0	114.6	0.0	3.3	0.0	114.8	4	
1O	0	6168	-42	-58	0	-0	0	114.6	0.0	5.0	0.0	115.0	4	
1P	0	6168	22	-58	0	-0	-0	114.6	0.0	5.0	0.0	115.0	4	
2	0	-11860	-65	-68	0	0	0	220.4	0.0	5.8	0.0	220.7	4	
7	0	-10050	-57	-65	0	0	0	186.8	0.0	5.5	0.0	187.0	4	
8	0	-10070	-51	-53	0	0	0	187.2	0.0	4.5	0.0	187.3	4	
1A	55	-10472	-42	70	0	-39	-23	194.6	27.1	5.9	0.0	221.8	1	
1B	55	-10472	22	70	0	-39	12	194.6	18.9	5.9	0.0	213.5	1	
1C	55	-10472	-42	-89	0	49	-23	194.6	29.8	7.5	0.0	224.5	1	
1D	55	-10472	22	-89	0	49	12	194.6	21.6	7.5	0.0	216.3	1	
1E	55	8289	-42	70	0	-39	-23	154.1	27.1	5.9	0.0	181.2	1	
1F	55	8289	22	70	0	-39	12	154.1	18.9	5.9	0.0	173.0	1	
1G	55	8289	-42	-89	0	49	-23	154.1	29.8	7.5	0.0	183.9	1	
1H	55	8289	22	-89	0	49	12	154.1	21.6	7.5	0.0	175.7	1	
1I	55	-8375	-42	39	0	-22	-23	155.7	23.0	3.3	0.0	178.6	1	
1J	55	-8375	22	39	0	-22	12	155.7	14.7	3.3	0.0	170.4	1	
1K	55	-8375	-42	-58	0	32	-23	155.7	25.7	5.0	0.0	181.3	1	
1L	55	-8375	22	-58	0	32	12	155.7	17.4	5.0	0.0	173.1	1	
1M	55	6192	-42	39	0	-22	-23	115.1	23.0	3.3	0.0	138.1	1	
1N	55	6192	22	39	0	-22	12	115.1	14.7	3.3	0.0	129.8	1	
1O	55	6192	-42	-58	0	32	-23	115.1	25.7	5.0	0.0	140.8	1	
1P	55	6192	22	-58	0	32	12	115.1	17.4	5.0	0.0	132.5	1	
2	55	-11830	-65	-5	0	20	-36	219.9	32.1	2.4	0.0	252.0	1	
7	55	-10022	-57	-4	0	19	-31	186.3	28.3	2.1	0.0	214.6	1	
8	55	-10040	-51	-6	0	16	-28	186.6	25.3	1.9	0.0	212.0	1	
1A	111	-10448	-42	70	0	-77	-46	194.2	54.3	5.9	0.0	248.5	1	
1B	111	-10448	22	70	0	-77	24	194.2	37.8	5.9	0.0	232.0	1	
1C	111	-10448	-42	-89	0	98	-46	194.2	59.7	7.5	0.0	253.9	1	
1D	111	-10448	22	-89	0	98	24	194.2	43.2	7.5	0.0	237.4	1	
1E	111	8312	-42	70	0	-77	-46	154.5	54.3	5.9	0.0	208.8	1	
1F	111	8312	22	70	0	-77	24	154.5	37.8	5.9	0.0	192.3	1	
1G	111	8312	-42	-89	0	98	-46	154.5	59.7	7.5	0.0	214.2	1	
1H	111	8312	22	-89	0	98	24	154.5	43.2	7.5	0.0	197.7	1	
1I	111	-8351	-42	39	0	-44	-46	155.2	46.0	3.3	0.0	201.2	1	
1J	111	-8351	22	39	0	-44	24	155.2	29.5	3.3	0.0	184.7	1	
1K	111	-8351	-42	-58	0	65	-46	155.2	51.4	5.0	0.0	206.6	1	
1L	111	-8351	22	-58	0	65	24	155.2	34.9	5.0	0.0	190.1	1	
1M	111	6215	-42	39	0	-44	-46	115.5	46.0	3.3	0.0	161.5	1	
1N	111	6215	22	39	0	-44	24	115.5	29.5	3.3	0.0	145.0	1	
1O	111	6215	-42	-58	0	65	-46	115.5	51.4	5.0	0.0	166.9	1	
1P	111	6215	22	-58	0	65	24	115.5	34.9	5.0	0.0	150.4	1	
2	111	-11800	-65	59	0	5	-72	219.3	55.2	5.0	0.0	274.5	1	
7	111	-9994	-57	56	0	5	-63	185.8	48.1	4.8	0.0	233.8	1	
8	111	-10010	-51	41	0	6	-57	186.1	44.0	3.5	0.0	230.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10495	46	28	23	23	14	1.03	1.00	233.6	
1B	-10495	46	14	23	23	14	1.03	1.00	223.7	
1C	-10495	59	28	23	23	14	1.03	1.00	236.9	
1D	-10495	59	14	23	23	14	1.03	1.00	226.9	
1E	8312	46	28	23	23	14	1.00	1.00	187.1	

1F	8312	46	14	23	23	14	1.00	1.00	177.2
1G	8312	59	28	23	23	14	1.00	1.00	190.3
1H	8312	59	14	23	23	14	1.00	1.00	180.4
1I	-8398	26	28	23	23	14	1.03	1.00	188.4
1J	-8398	26	15	23	23	14	1.03	1.00	178.5
1K	-8398	39	28	23	23	14	1.03	1.00	191.7
1L	-8398	39	15	23	23	14	1.03	1.00	181.8
1M	6215	26	28	23	23	14	1.00	1.00	143.1
1N	6215	26	15	23	23	14	1.00	1.00	133.2
1O	6215	39	28	23	23	14	1.00	1.00	146.3
1P	6215	39	15	23	23	14	1.00	1.00	136.5
2	-11860	3	43	23	23	14	1.03	1.00	260.4
7	-10050	3	38	23	23	14	1.03	1.00	221.4
8	-10070	4	34	23	23	14	1.03	1.00	219.3

ASTA NUM. 3 NI 4 NF 3 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-390	-245	375	0	62	85	7.3	68.5	20.8	0.0	75.8	1	
1B	0	-390	272	375	0	62	-52	7.3	60.2	23.1	0.0	67.5	1	
1C	0	-390	-245	-366	0	-61	85	7.3	67.6	20.8	0.0	74.8	1	
1D	0	-390	272	-366	0	-61	-52	7.3	59.3	23.1	0.0	66.5	1	
1E	0	555	-245	375	0	62	85	10.3	68.5	20.8	0.0	78.8	1	
1F	0	555	272	375	0	62	-52	10.3	60.2	23.1	0.0	70.5	1	
1G	0	555	-245	-366	0	-61	85	10.3	67.6	20.8	0.0	77.9	1	
1H	0	555	272	-366	0	-61	-52	10.3	59.3	23.1	0.0	69.6	1	
1I	0	-540	-448	324	0	47	157	10.0	75.2	38.0	0.0	85.2	1	
1J	0	-540	475	324	0	47	-125	10.0	66.9	40.3	0.0	76.9	1	
1K	0	-540	-448	-315	0	-45	157	10.0	74.2	38.0	0.0	84.3	1	
1L	0	-540	475	-315	0	-45	-125	10.0	66.0	40.3	0.0	76.2	3	
1M	0	705	-448	324	0	47	157	13.1	75.2	38.0	0.0	88.3	1	
1N	0	705	475	324	0	47	-125	13.1	66.9	40.3	0.0	80.0	1	
1O	0	705	-448	-315	0	-45	157	13.1	74.2	38.0	0.0	87.3	1	
1P	0	705	475	-315	0	-45	-125	13.1	66.0	40.3	0.0	79.1	1	
2	0	999	430	81	0	10	-10	18.6	10.2	36.5	0.0	65.9	4	
7	0	862	360	86	0	11	-2	16.0	8.8	30.5	0.0	55.3	4	
8	0	802	367	54	0	7	-19	14.9	9.9	31.1	0.0	56.0	4	
1A	25	-390	-255	375	0	-31	7	7.3	25.3	21.6	0.0	42.3	3	
1B	25	-390	261	375	0	-31	29	7.3	31.0	22.2	0.0	44.3	3	
1C	25	-390	-255	-366	0	30	7	7.3	24.6	21.6	0.0	41.9	3	
1D	25	-390	261	-366	0	30	29	7.3	30.3	22.2	0.0	44.0	3	
1E	25	555	-255	375	0	-31	7	10.3	25.3	21.6	0.0	43.1	3	
1F	25	555	261	375	0	-31	29	10.3	31.0	22.2	0.0	45.4	3	
1G	25	555	-255	-366	0	30	7	10.3	24.6	21.6	0.0	42.7	3	
1H	25	555	261	-366	0	30	29	10.3	30.3	22.2	0.0	45.1	3	
1I	25	-540	-458	324	0	-34	38	10.0	35.6	38.9	0.0	68.2	4	
1J	25	-540	464	324	0	-34	-2	10.0	26.2	39.4	0.0	69.1	4	
1K	25	-540	-458	-315	0	33	38	10.0	34.9	38.9	0.0	68.2	4	
1L	25	-540	464	-315	0	33	-2	10.0	25.5	39.4	0.0	69.1	4	
1M	25	705	-458	324	0	-34	38	13.1	35.6	38.9	0.0	68.7	4	
1N	25	705	464	324	0	-34	-2	13.1	26.2	39.4	0.0	69.6	4	
1O	25	705	-458	-315	0	33	38	13.1	34.9	38.9	0.0	68.7	4	
1P	25	705	464	-315	0	33	-2	13.1	25.5	39.4	0.0	69.6	4	
2	25	999	416	81	0	-10	96	18.6	32.2	35.3	0.0	68.0	3	
7	25	862	346	86	0	-11	86	16.0	30.1	29.4	0.0	57.9	3	
8	25	802	353	54	0	-7	71	14.9	23.4	30.0	0.0	55.8	3	
1A	50	-390	-266	375	0	-125	-73	7.3	112.4	22.5	0.0	119.7	1	
1B	50	-390	251	375	0	-125	108	7.3	121.5	21.3	0.0	128.8	1	
1C	50	-390	-266	-366	0	122	-73	7.3	110.1	22.5	0.0	117.3	1	
1D	50	-390	251	-366	0	122	108	7.3	119.1	21.3	0.0	126.4	1	
1E	50	555	-266	375	0	-125	-73	10.3	112.4	22.5	0.0	122.8	1	
1F	50	555	251	375	0	-125	108	10.3	121.5	21.3	0.0	131.8	1	
1G	50	555	-266	-366	0	122	-73	10.3	110.1	22.5	0.0	120.4	1	
1H	50	555	251	-366	0	122	108	10.3	119.1	21.3	0.0	129.4	1	
1I	50	-540	-469	324	0	-115	-83	10.0	107.7	39.8	0.0	117.8	1	
1J	50	-540	454	324	0	-115	118	10.0	116.8	38.5	0.0	126.8	1	
1K	50	-540	-469	-315	0	112	-83	10.0	105.3	39.8	0.0	115.4	1	
1L	50	-540	454	-315	0	112	118	10.0	114.4	38.5	0.0	124.4	1	
1M	50	705	-469	324	0	-115	-83	13.1	107.7	39.8	0.0	120.8	1	
1N	50	705	454	324	0	-115	118	13.1	116.8	38.5	0.0	129.9	1	
1O	50	705	-469	-315	0	112	-83	13.1	105.3	39.8	0.0	118.4	1	
1P	50	705	454	-315	0	112	118	13.1	114.4	38.5	0.0	127.5	1	
2	50	999	403	81	0	-30	198	18.6	73.8	34.1	0.0	92.4	1	
7	50	862	333	86	0	-32	171	16.0	68.1	28.2	0.0	84.1	1	
8	50	802	340	54	0	-20	158	14.9	55.8	28.8	0.0	70.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-390	50	34	11	7	11	1.00	1.00	53.5	
1B	-390	50	44	11	7	11	1.00	1.00	56.1	
1C	-390	49	34	11	7	11	1.00	1.00	52.5	

1D	-390	49	44	11	7	11	1.00	1.00	55.1
1E	555	50	34	11	7	11	1.00	1.00	56.5
1F	555	50	44	11	7	11	1.00	1.00	59.1
1G	555	49	34	11	7	11	1.00	1.00	55.5
1H	555	49	44	11	7	11	1.00	1.00	58.1
1I	-540	51	63	11	7	11	1.00	1.00	64.1
1J	-540	51	50	11	7	11	1.00	1.00	60.8
1K	-540	49	63	11	7	11	1.00	1.00	63.0
1L	-540	49	50	11	7	11	1.00	1.00	59.7
1M	705	51	63	11	7	11	1.00	1.00	67.1
1N	705	51	50	11	7	11	1.00	1.00	63.8
1O	705	49	63	11	7	11	1.00	1.00	66.1
1P	705	49	50	11	7	11	1.00	1.00	62.8
2	999	14	115	11	7	11	1.00	1.00	58.8
7	862	15	101	11	7	11	1.00	1.00	53.3
8	802	9	87	11	7	11	1.00	1.00	44.4

ASTA NUM. 4 NI 12 NF 20 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-217	-124	4	0	0	31								Tipo di acciaio non contemplato
1B	0	-217	107	4	0	0	-27								Tipo di acciaio non contemplato
1C	0	-217	-124	-6	0	0	31								Tipo di acciaio non contemplato
1D	0	-217	107	-6	0	0	-27								Tipo di acciaio non contemplato
1E	0	266	-124	4	0	0	31								Tipo di acciaio non contemplato
1F	0	266	107	4	0	0	-27								Tipo di acciaio non contemplato
1G	0	266	-124	-6	0	0	31								Tipo di acciaio non contemplato
1H	0	266	107	-6	0	0	-27								Tipo di acciaio non contemplato
1I	0	-75	-123	5	0	0	31								Tipo di acciaio non contemplato
1J	0	-75	106	5	0	0	-26								Tipo di acciaio non contemplato
1K	0	-75	-123	-7	0	0	31								Tipo di acciaio non contemplato
1L	0	-75	106	-7	0	0	-26								Tipo di acciaio non contemplato
1M	0	123	-123	5	0	0	31								Tipo di acciaio non contemplato
1N	0	123	106	5	0	0	-26								Tipo di acciaio non contemplato
1O	0	123	-123	-7	0	0	31								Tipo di acciaio non contemplato
1P	0	123	106	-7	0	0	-26								Tipo di acciaio non contemplato
2	0	-172	-428	-7	0	0	107								Tipo di acciaio non contemplato
7	0	-119	-355	-6	0	0	89								Tipo di acciaio non contemplato
8	0	-168	-368	-6	0	0	92								Tipo di acciaio non contemplato
1A	25	-217	-126	4	0	2	0								Tipo di acciaio non contemplato
1B	25	-217	105	4	0	2	0								Tipo di acciaio non contemplato
1C	25	-217	-126	-6	0	-1	0								Tipo di acciaio non contemplato
1D	25	-217	105	-6	0	-1	0								Tipo di acciaio non contemplato
1E	25	266	-126	4	0	2	0								Tipo di acciaio non contemplato
1F	25	266	105	4	0	2	0								Tipo di acciaio non contemplato
1G	25	266	-126	-6	0	-1	0								Tipo di acciaio non contemplato
1H	25	266	105	-6	0	-1	0								Tipo di acciaio non contemplato
1I	25	-75	-125	5	0	2	0								Tipo di acciaio non contemplato
1J	25	-75	104	5	0	2	0								Tipo di acciaio non contemplato
1K	25	-75	-125	-7	0	-2	0								Tipo di acciaio non contemplato
1L	25	-75	104	-7	0	-2	0								Tipo di acciaio non contemplato
1M	25	123	-125	5	0	2	0								Tipo di acciaio non contemplato
1N	25	123	104	5	0	2	0								Tipo di acciaio non contemplato
1O	25	123	-125	-7	0	-2	0								Tipo di acciaio non contemplato
1P	25	123	104	-7	0	-2	0								Tipo di acciaio non contemplato
2	25	-172	-431	-7	0	2	0								Tipo di acciaio non contemplato
7	25	-119	-358	-6	0	2	0								Tipo di acciaio non contemplato
8	25	-168	-371	-6	0	2	0								Tipo di acciaio non contemplato
1A	50	-217	-128	4	0	3	-31								Tipo di acciaio non contemplato
1B	50	-217	102	4	0	3	26								Tipo di acciaio non contemplato
1C	50	-217	-128	-6	0	-2	-31								Tipo di acciaio non contemplato
1D	50	-217	102	-6	0	-2	26								Tipo di acciaio non contemplato
1E	50	266	-128	4	0	3	-31								Tipo di acciaio non contemplato
1F	50	266	102	4	0	3	26								Tipo di acciaio non contemplato
1G	50	266	-128	-6	0	-2	-31								Tipo di acciaio non contemplato
1H	50	266	102	-6	0	-2	26								Tipo di acciaio non contemplato
1I	50	-75	-127	5	0	4	-31								Tipo di acciaio non contemplato
1J	50	-75	101	5	0	4	26								Tipo di acciaio non contemplato
1K	50	-75	-127	-7	0	-3	-31								Tipo di acciaio non contemplato
1L	50	-75	101	-7	0	-3	26								Tipo di acciaio non contemplato
1M	50	123	-127	5	0	4	-31								Tipo di acciaio non contemplato
1N	50	123	101	5	0	4	26								Tipo di acciaio non contemplato
1O	50	123	-127	-7	0	-3	-31								Tipo di acciaio non contemplato
1P	50	123	101	-7	0	-3	26								Tipo di acciaio non contemplato
2	50	-172	-434	-7	0	4	-108								Tipo di acciaio non contemplato
7	50	-119	-361	-6	0	3	-90								Tipo di acciaio non contemplato
8	50	-168	-374	-6	0	3	-93								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-217	2	13								Tipo di acciaio non contemplato

1B	-217	2	11	Tipo di acciaio non contemplato
1C	-217	1	13	Tipo di acciaio non contemplato
1D	-217	1	11	Tipo di acciaio non contemplato
1E	266	2	13	Tipo di acciaio non contemplato
1F	266	2	11	Tipo di acciaio non contemplato
1G	266	1	13	Tipo di acciaio non contemplato
1H	266	1	11	Tipo di acciaio non contemplato
1I	-75	3	13	Tipo di acciaio non contemplato
1J	-75	3	10	Tipo di acciaio non contemplato
1K	-75	2	13	Tipo di acciaio non contemplato
1L	-75	2	10	Tipo di acciaio non contemplato
1M	123	3	13	Tipo di acciaio non contemplato
1N	123	3	10	Tipo di acciaio non contemplato
1O	123	2	13	Tipo di acciaio non contemplato
1P	123	2	10	Tipo di acciaio non contemplato
2	-172	3	43	Tipo di acciaio non contemplato
7	-119	2	36	Tipo di acciaio non contemplato
8	-168	2	37	Tipo di acciaio non contemplato

ASTA NUM. 5 NI 11 NF 19 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-245	-122	6	0	0	31								Tipo di acciaio non contemplato
1B	0	-245	112	6	0	0	-28								Tipo di acciaio non contemplato
1C	0	-245	-122	-6	0	0	31								Tipo di acciaio non contemplato
1D	0	-245	112	-6	0	0	-28								Tipo di acciaio non contemplato
1E	0	310	-122	6	0	0	31								Tipo di acciaio non contemplato
1F	0	310	112	6	0	0	-28								Tipo di acciaio non contemplato
1G	0	310	-122	-6	0	0	31								Tipo di acciaio non contemplato
1H	0	310	112	-6	0	0	-28								Tipo di acciaio non contemplato
1I	0	-98	-105	5	0	0	26								Tipo di acciaio non contemplato
1J	0	-98	94	5	0	0	-23								Tipo di acciaio non contemplato
1K	0	-98	-105	-6	0	0	26								Tipo di acciaio non contemplato
1L	0	-98	94	-6	0	0	-23								Tipo di acciaio non contemplato
1M	0	164	-105	5	0	0	26								Tipo di acciaio non contemplato
1N	0	164	94	5	0	0	-23								Tipo di acciaio non contemplato
1O	0	164	-105	-6	0	0	26								Tipo di acciaio non contemplato
1P	0	164	94	-6	0	0	-23								Tipo di acciaio non contemplato
2	0	189	-315	-2	0	0	79								Tipo di acciaio non contemplato
7	0	179	-260	-2	0	0	66								Tipo di acciaio non contemplato
8	0	146	-270	-2	0	0	68								Tipo di acciaio non contemplato
1A	25	-245	-125	6	0	-1	0								Tipo di acciaio non contemplato
1B	25	-245	110	6	0	-1	0								Tipo di acciaio non contemplato
1C	25	-245	-125	-6	0	1	0								Tipo di acciaio non contemplato
1D	25	-245	110	-6	0	1	0								Tipo di acciaio non contemplato
1E	25	310	-125	6	0	-1	0								Tipo di acciaio non contemplato
1F	25	310	110	6	0	-1	0								Tipo di acciaio non contemplato
1G	25	310	-125	-6	0	1	0								Tipo di acciaio non contemplato
1H	25	310	110	-6	0	1	0								Tipo di acciaio non contemplato
1I	25	-98	-107	5	0	2	0								Tipo di acciaio non contemplato
1J	25	-98	92	5	0	2	0								Tipo di acciaio non contemplato
1K	25	-98	-107	-6	0	-1	0								Tipo di acciaio non contemplato
1L	25	-98	92	-6	0	-1	0								Tipo di acciaio non contemplato
1M	25	164	-107	5	0	2	0								Tipo di acciaio non contemplato
1N	25	164	92	5	0	2	0								Tipo di acciaio non contemplato
1O	25	164	-107	-6	0	-1	0								Tipo di acciaio non contemplato
1P	25	164	92	-6	0	-1	0								Tipo di acciaio non contemplato
2	25	189	-318	-2	0	0	0								Tipo di acciaio non contemplato
7	25	179	-263	-2	0	0	0								Tipo di acciaio non contemplato
8	25	146	-273	-2	0	0	0								Tipo di acciaio non contemplato
1A	50	-245	-127	6	0	-3	-31								Tipo di acciaio non contemplato
1B	50	-245	107	6	0	-3	27								Tipo di acciaio non contemplato
1C	50	-245	-127	-6	0	3	-31								Tipo di acciaio non contemplato
1D	50	-245	107	-6	0	3	27								Tipo di acciaio non contemplato
1E	50	310	-127	6	0	-3	-31								Tipo di acciaio non contemplato
1F	50	310	107	6	0	-3	27								Tipo di acciaio non contemplato
1G	50	310	-127	-6	0	3	-31								Tipo di acciaio non contemplato
1H	50	310	107	-6	0	3	27								Tipo di acciaio non contemplato
1I	50	-98	-109	5	0	3	-27								Tipo di acciaio non contemplato
1J	50	-98	90	5	0	3	23								Tipo di acciaio non contemplato
1K	50	-98	-109	-6	0	-3	-27								Tipo di acciaio non contemplato
1L	50	-98	90	-6	0	-3	23								Tipo di acciaio non contemplato
1M	50	164	-109	5	0	3	-27								Tipo di acciaio non contemplato
1N	50	164	90	5	0	3	23								Tipo di acciaio non contemplato
1O	50	164	-109	-6	0	-3	-27								Tipo di acciaio non contemplato
1P	50	164	90	-6	0	-3	23								Tipo di acciaio non contemplato
2	50	189	-320	-2	0	1	-80								Tipo di acciaio non contemplato
7	50	179	-266	-2	0	0	-66								Tipo di acciaio non contemplato
8	50	146	-276	-2	0	0	-69								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		

1A	-245	2	13	Tipo di acciaio non contemplato
1B	-245	2	11	Tipo di acciaio non contemplato
1C	-245	2	13	Tipo di acciaio non contemplato
1D	-245	2	11	Tipo di acciaio non contemplato
1E	310	2	13	Tipo di acciaio non contemplato
1F	310	2	11	Tipo di acciaio non contemplato
1G	310	2	13	Tipo di acciaio non contemplato
1H	310	2	11	Tipo di acciaio non contemplato
1I	-98	2	11	Tipo di acciaio non contemplato
1J	-98	2	9	Tipo di acciaio non contemplato
1K	-98	2	11	Tipo di acciaio non contemplato
1L	-98	2	9	Tipo di acciaio non contemplato
1M	164	2	11	Tipo di acciaio non contemplato
1N	164	2	9	Tipo di acciaio non contemplato
1O	164	2	11	Tipo di acciaio non contemplato
1P	164	2	9	Tipo di acciaio non contemplato
2	189	1	32	Tipo di acciaio non contemplato
7	179	0	26	Tipo di acciaio non contemplato
8	146	0	27	Tipo di acciaio non contemplato

ASTA NUM. 6 NI 10 NF 18 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-192	-134	14	0	0	34								Tipo di acciaio non contemplato
1B	0	-192	124	14	0	0	-31								Tipo di acciaio non contemplato
1C	0	-192	-134	-12	0	0	34								Tipo di acciaio non contemplato
1D	0	-192	124	-12	0	0	-31								Tipo di acciaio non contemplato
1E	0	246	-134	14	0	0	34								Tipo di acciaio non contemplato
1F	0	246	124	14	0	0	-31								Tipo di acciaio non contemplato
1G	0	246	-134	-12	0	0	34								Tipo di acciaio non contemplato
1H	0	246	124	-12	0	0	-31								Tipo di acciaio non contemplato
1I	0	-73	-104	12	0	0	26								Tipo di acciaio non contemplato
1J	0	-73	94	12	0	0	-23								Tipo di acciaio non contemplato
1K	0	-73	-104	-10	0	0	26								Tipo di acciaio non contemplato
1L	0	-73	94	-10	0	0	-23								Tipo di acciaio non contemplato
1M	0	127	-104	12	0	0	26								Tipo di acciaio non contemplato
1N	0	127	94	12	0	0	-23								Tipo di acciaio non contemplato
1O	0	127	-104	-10	0	0	26								Tipo di acciaio non contemplato
1P	0	127	94	-10	0	0	-23								Tipo di acciaio non contemplato
2	0	-13	-240	4	0	0	60								Tipo di acciaio non contemplato
7	0	10	-199	4	0	0	50								Tipo di acciaio non contemplato
8	0	-29	-206	3	0	0	52								Tipo di acciaio non contemplato
1A	25	-192	-136	14	0	3	0								Tipo di acciaio non contemplato
1B	25	-192	122	14	0	3	0								Tipo di acciaio non contemplato
1C	25	-192	-136	-12	0	-4	0								Tipo di acciaio non contemplato
1D	25	-192	122	-12	0	-4	0								Tipo di acciaio non contemplato
1E	25	246	-136	14	0	3	0								Tipo di acciaio non contemplato
1F	25	246	122	14	0	3	0								Tipo di acciaio non contemplato
1G	25	246	-136	-12	0	-4	0								Tipo di acciaio non contemplato
1H	25	246	122	-12	0	-4	0								Tipo di acciaio non contemplato
1I	25	-73	-106	12	0	-3	0								Tipo di acciaio non contemplato
1J	25	-73	92	12	0	-3	0								Tipo di acciaio non contemplato
1K	25	-73	-106	-10	0	2	0								Tipo di acciaio non contemplato
1L	25	-73	92	-10	0	2	0								Tipo di acciaio non contemplato
1M	25	127	-106	12	0	-3	0								Tipo di acciaio non contemplato
1N	25	127	92	12	0	-3	0								Tipo di acciaio non contemplato
1O	25	127	-106	-10	0	2	0								Tipo di acciaio non contemplato
1P	25	127	92	-10	0	2	0								Tipo di acciaio non contemplato
2	25	-13	-243	4	0	-2	0								Tipo di acciaio non contemplato
7	25	10	-202	4	0	-1	0								Tipo di acciaio non contemplato
8	25	-29	-209	3	0	-1	0								Tipo di acciaio non contemplato
1A	50	-192	-138	14	0	6	-34								Tipo di acciaio non contemplato
1B	50	-192	120	14	0	6	30								Tipo di acciaio non contemplato
1C	50	-192	-138	-12	0	-7	-34								Tipo di acciaio non contemplato
1D	50	-192	120	-12	0	-7	30								Tipo di acciaio non contemplato
1E	50	246	-138	14	0	6	-34								Tipo di acciaio non contemplato
1F	50	246	120	14	0	6	30								Tipo di acciaio non contemplato
1G	50	246	-138	-12	0	-7	-34								Tipo di acciaio non contemplato
1H	50	246	120	-12	0	-7	30								Tipo di acciaio non contemplato
1I	50	-73	-108	12	0	-6	-27								Tipo di acciaio non contemplato
1J	50	-73	89	12	0	-6	23								Tipo di acciaio non contemplato
1K	50	-73	-108	-10	0	5	-27								Tipo di acciaio non contemplato
1L	50	-73	89	-10	0	5	23								Tipo di acciaio non contemplato
1M	50	127	-108	12	0	-6	-27								Tipo di acciaio non contemplato
1N	50	127	89	12	0	-6	23								Tipo di acciaio non contemplato
1O	50	127	-108	-10	0	5	-27								Tipo di acciaio non contemplato
1P	50	127	89	-10	0	5	23								Tipo di acciaio non contemplato
2	50	-13	-246	4	0	-3	-61								Tipo di acciaio non contemplato
7	50	10	-204	4	0	-2	-51								Tipo di acciaio non contemplato
8	50	-29	-212	3	0	-2	-52								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota

	kg	kg*m		kg/cmq	
1A	-192	4	14		Tipo di acciaio non contemplato
1B	-192	4	12		Tipo di acciaio non contemplato
1C	-192	5	14		Tipo di acciaio non contemplato
1D	-192	5	12		Tipo di acciaio non contemplato
1E	246	4	14		Tipo di acciaio non contemplato
1F	246	4	12		Tipo di acciaio non contemplato
1G	246	5	14		Tipo di acciaio non contemplato
1H	246	5	12		Tipo di acciaio non contemplato
1I	-73	4	11		Tipo di acciaio non contemplato
1J	-73	4	9		Tipo di acciaio non contemplato
1K	-73	3	11		Tipo di acciaio non contemplato
1L	-73	3	9		Tipo di acciaio non contemplato
1M	127	4	11		Tipo di acciaio non contemplato
1N	127	4	9		Tipo di acciaio non contemplato
1O	127	3	11		Tipo di acciaio non contemplato
1P	127	3	9		Tipo di acciaio non contemplato
2	-13	2	24		Tipo di acciaio non contemplato
7	10	2	20		Tipo di acciaio non contemplato
8	-29	1	21		Tipo di acciaio non contemplato

ASTA NUM. 7 NI 9 NF 17 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-157	-125	14	0	0	32								Tipo di acciaio non contemplato
1B	0	-157	117	14	0	0	-29								Tipo di acciaio non contemplato
1C	0	-157	-125	-9	0	0	32								Tipo di acciaio non contemplato
1D	0	-157	117	-9	0	0	-29								Tipo di acciaio non contemplato
1E	0	206	-125	14	0	0	32								Tipo di acciaio non contemplato
1F	0	206	117	14	0	0	-29								Tipo di acciaio non contemplato
1G	0	206	-125	-9	0	0	32								Tipo di acciaio non contemplato
1H	0	206	117	-9	0	0	-29								Tipo di acciaio non contemplato
1I	0	-60	-99	9	0	0	25								Tipo di acciaio non contemplato
1J	0	-60	90	9	0	0	-22								Tipo di acciaio non contemplato
1K	0	-60	-99	-4	0	0	25								Tipo di acciaio non contemplato
1L	0	-60	90	-4	0	0	-22								Tipo di acciaio non contemplato
1M	0	109	-99	9	0	0	25								Tipo di acciaio non contemplato
1N	0	109	90	9	0	0	-22								Tipo di acciaio non contemplato
1O	0	109	-99	-4	0	0	25								Tipo di acciaio non contemplato
1P	0	109	90	-4	0	0	-22								Tipo di acciaio non contemplato
2	0	152	-170	12	0	0	43								Tipo di acciaio non contemplato
7	0	146	-141	11	0	0	36								Tipo di acciaio non contemplato
8	0	114	-145	9	0	0	37								Tipo di acciaio non contemplato
1A	25	-157	-127	14	0	3	0								Tipo di acciaio non contemplato
1B	25	-157	115	14	0	3	0								Tipo di acciaio non contemplato
1C	25	-157	-127	-9	0	-4	0								Tipo di acciaio non contemplato
1D	25	-157	115	-9	0	-4	0								Tipo di acciaio non contemplato
1E	25	206	-127	14	0	3	0								Tipo di acciaio non contemplato
1F	25	206	115	14	0	3	0								Tipo di acciaio non contemplato
1G	25	206	-127	-9	0	-4	0								Tipo di acciaio non contemplato
1H	25	206	115	-9	0	-4	0								Tipo di acciaio non contemplato
1I	25	-60	-101	9	0	1	0								Tipo di acciaio non contemplato
1J	25	-60	88	9	0	1	0								Tipo di acciaio non contemplato
1K	25	-60	-101	-4	0	-3	0								Tipo di acciaio non contemplato
1L	25	-60	88	-4	0	-3	0								Tipo di acciaio non contemplato
1M	25	109	-101	9	0	1	0								Tipo di acciaio non contemplato
1N	25	109	88	9	0	1	0								Tipo di acciaio non contemplato
1O	25	109	-101	-4	0	-3	0								Tipo di acciaio non contemplato
1P	25	109	88	-4	0	-3	0								Tipo di acciaio non contemplato
2	25	152	-173	12	0	-4	0								Tipo di acciaio non contemplato
7	25	146	-144	11	0	-3	0								Tipo di acciaio non contemplato
8	25	114	-148	9	0	-3	0								Tipo di acciaio non contemplato
1A	50	-157	-130	14	0	5	-32								Tipo di acciaio non contemplato
1B	50	-157	112	14	0	5	29								Tipo di acciaio non contemplato
1C	50	-157	-130	-9	0	-8	-32								Tipo di acciaio non contemplato
1D	50	-157	112	-9	0	-8	29								Tipo di acciaio non contemplato
1E	50	206	-130	14	0	5	-32								Tipo di acciaio non contemplato
1F	50	206	112	14	0	5	29								Tipo di acciaio non contemplato
1G	50	206	-130	-9	0	-8	-32								Tipo di acciaio non contemplato
1H	50	206	112	-9	0	-8	29								Tipo di acciaio non contemplato
1I	50	-60	-103	9	0	2	-25								Tipo di acciaio non contemplato
1J	50	-60	86	9	0	2	22								Tipo di acciaio non contemplato
1K	50	-60	-103	-4	0	-5	-25								Tipo di acciaio non contemplato
1L	50	-60	86	-4	0	-5	22								Tipo di acciaio non contemplato
1M	50	109	-103	9	0	2	-25								Tipo di acciaio non contemplato
1N	50	109	86	9	0	2	22								Tipo di acciaio non contemplato
1O	50	109	-103	-4	0	-5	-25								Tipo di acciaio non contemplato
1P	50	109	86	-4	0	-5	22								Tipo di acciaio non contemplato
2	50	152	-176	12	0	-7	-44								Tipo di acciaio non contemplato
7	50	146	-146	11	0	-6	-36								Tipo di acciaio non contemplato
8	50	114	-151	9	0	-5	-37								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-157	3	13								Tipo di acciaio non contemplato
1B	-157	3	12								Tipo di acciaio non contemplato
1C	-157	5	13								Tipo di acciaio non contemplato
1D	-157	5	12								Tipo di acciaio non contemplato
1E	206	3	13								Tipo di acciaio non contemplato
1F	206	3	12								Tipo di acciaio non contemplato
1G	206	5	13								Tipo di acciaio non contemplato
1H	206	5	12								Tipo di acciaio non contemplato
1I	-60	1	10								Tipo di acciaio non contemplato
1J	-60	1	9								Tipo di acciaio non contemplato
1K	-60	3	10								Tipo di acciaio non contemplato
1L	-60	3	9								Tipo di acciaio non contemplato
1M	109	1	10								Tipo di acciaio non contemplato
1N	109	1	9								Tipo di acciaio non contemplato
1O	109	3	10								Tipo di acciaio non contemplato
1P	109	3	9								Tipo di acciaio non contemplato
2	152	5	17								Tipo di acciaio non contemplato
7	146	4	14								Tipo di acciaio non contemplato
8	114	3	15								Tipo di acciaio non contemplato

ASTA NUM. 8 NI 8 NF 16 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-116	-137	57	0	0	35								Tipo di acciaio non contemplato
1B	0	-116	131	57	0	0	-32								Tipo di acciaio non contemplato
1C	0	-116	-137	-36	0	0	35								Tipo di acciaio non contemplato
1D	0	-116	131	-36	0	0	-32								Tipo di acciaio non contemplato
1E	0	155	-137	57	0	0	35								Tipo di acciaio non contemplato
1F	0	155	131	57	0	0	-32								Tipo di acciaio non contemplato
1G	0	155	-137	-36	0	0	35								Tipo di acciaio non contemplato
1H	0	155	131	-36	0	0	-32								Tipo di acciaio non contemplato
1I	0	-42	-96	39	0	0	24								Tipo di acciaio non contemplato
1J	0	-42	89	39	0	0	-22								Tipo di acciaio non contemplato
1K	0	-42	-96	-18	0	0	24								Tipo di acciaio non contemplato
1L	0	-42	89	-18	0	0	-22								Tipo di acciaio non contemplato
1M	0	82	-96	39	0	0	24								Tipo di acciaio non contemplato
1N	0	82	89	39	0	0	-22								Tipo di acciaio non contemplato
1O	0	82	-96	-18	0	0	24								Tipo di acciaio non contemplato
1P	0	82	89	-18	0	0	-22								Tipo di acciaio non contemplato
2	0	-33	-95	56	0	0	24								Tipo di acciaio non contemplato
7	0	-8	-78	50	0	0	20								Tipo di acciaio non contemplato
8	0	-46	-81	41	0	0	21								Tipo di acciaio non contemplato
1A	25	-116	-139	57	0	10	0								Tipo di acciaio non contemplato
1B	25	-116	128	57	0	10	0								Tipo di acciaio non contemplato
1C	25	-116	-139	-36	0	-15	0								Tipo di acciaio non contemplato
1D	25	-116	128	-36	0	-15	0								Tipo di acciaio non contemplato
1E	25	155	-139	57	0	10	0								Tipo di acciaio non contemplato
1F	25	155	128	57	0	10	0								Tipo di acciaio non contemplato
1G	25	155	-139	-36	0	-15	0								Tipo di acciaio non contemplato
1H	25	155	128	-36	0	-15	0								Tipo di acciaio non contemplato
1I	25	-42	-98	39	0	5	0								Tipo di acciaio non contemplato
1J	25	-42	87	39	0	5	0								Tipo di acciaio non contemplato
1K	25	-42	-98	-18	0	-11	0								Tipo di acciaio non contemplato
1L	25	-42	87	-18	0	-11	0								Tipo di acciaio non contemplato
1M	25	82	-98	39	0	5	0								Tipo di acciaio non contemplato
1N	25	82	87	39	0	5	0								Tipo di acciaio non contemplato
1O	25	82	-98	-18	0	-11	0								Tipo di acciaio non contemplato
1P	25	82	87	-18	0	-11	0								Tipo di acciaio non contemplato
2	25	-33	-98	56	0	-15	0								Tipo di acciaio non contemplato
7	25	-8	-81	50	0	-13	0								Tipo di acciaio non contemplato
8	25	-46	-83	41	0	-11	0								Tipo di acciaio non contemplato
1A	50	-116	-141	57	0	19	-35								Tipo di acciaio non contemplato
1B	50	-116	126	57	0	19	32								Tipo di acciaio non contemplato
1C	50	-116	-141	-36	0	-30	-35								Tipo di acciaio non contemplato
1D	50	-116	126	-36	0	-30	32								Tipo di acciaio non contemplato
1E	50	155	-141	57	0	19	-35								Tipo di acciaio non contemplato
1F	50	155	126	57	0	19	32								Tipo di acciaio non contemplato
1G	50	155	-141	-36	0	-30	-35								Tipo di acciaio non contemplato
1H	50	155	126	-36	0	-30	32								Tipo di acciaio non contemplato
1I	50	-42	-100	39	0	10	-25								Tipo di acciaio non contemplato
1J	50	-42	85	39	0	10	22								Tipo di acciaio non contemplato
1K	50	-42	-100	-18	0	-20	-25								Tipo di acciaio non contemplato
1L	50	-42	85	-18	0	-20	22								Tipo di acciaio non contemplato
1M	50	82	-100	39	0	10	-25								Tipo di acciaio non contemplato
1N	50	82	85	39	0	10	22								Tipo di acciaio non contemplato
1O	50	82	-100	-18	0	-20	-25								Tipo di acciaio non contemplato
1P	50	82	85	-18	0	-20	22								Tipo di acciaio non contemplato
2	50	-33	-101	56	0	-29	-25								Tipo di acciaio non contemplato
7	50	-8	-84	50	0	-25	-21								Tipo di acciaio non contemplato
8	50	-46	-86	41	0	-21	-21								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-116	12	14								Tipo di acciaio non contemplato
1B	-116	12	13								Tipo di acciaio non contemplato
1C	-116	18	14								Tipo di acciaio non contemplato
1D	-116	18	13								Tipo di acciaio non contemplato
1E	155	12	14								Tipo di acciaio non contemplato
1F	155	12	13								Tipo di acciaio non contemplato
1G	155	18	14								Tipo di acciaio non contemplato
1H	155	18	13								Tipo di acciaio non contemplato
1I	-42	6	10								Tipo di acciaio non contemplato
1J	-42	6	9								Tipo di acciaio non contemplato
1K	-42	13	10								Tipo di acciaio non contemplato
1L	-42	13	9								Tipo di acciaio non contemplato
1M	82	6	10								Tipo di acciaio non contemplato
1N	82	6	9								Tipo di acciaio non contemplato
1O	82	13	10								Tipo di acciaio non contemplato
1P	82	13	9								Tipo di acciaio non contemplato
2	-33	17	10								Tipo di acciaio non contemplato
7	-8	15	8								Tipo di acciaio non contemplato
8	-46	13	8								Tipo di acciaio non contemplato

ASTA NUM. 9 NI 7 NF 15 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-90	-130	61	0	1	33								Tipo di acciaio non contemplato
1B	0	-90	129	61	0	1	-32								Tipo di acciaio non contemplato
1C	0	-90	-130	-41	0	0	33								Tipo di acciaio non contemplato
1D	0	-90	129	-41	0	0	-32								Tipo di acciaio non contemplato
1E	0	137	-130	61	0	1	33								Tipo di acciaio non contemplato
1F	0	137	129	61	0	1	-32								Tipo di acciaio non contemplato
1G	0	137	-130	-41	0	0	33								Tipo di acciaio non contemplato
1H	0	137	129	-41	0	0	-32								Tipo di acciaio non contemplato
1I	0	-42	-84	46	0	1	21								Tipo di acciaio non contemplato
1J	0	-42	83	46	0	1	-20								Tipo di acciaio non contemplato
1K	0	-42	-84	-26	0	0	21								Tipo di acciaio non contemplato
1L	0	-42	83	-26	0	0	-20								Tipo di acciaio non contemplato
1M	0	89	-84	46	0	1	21								Tipo di acciaio non contemplato
1N	0	89	83	46	0	1	-20								Tipo di acciaio non contemplato
1O	0	89	-84	-26	0	0	21								Tipo di acciaio non contemplato
1P	0	89	83	-26	0	0	-20								Tipo di acciaio non contemplato
2	0	167	-16	54	0	0	5								Tipo di acciaio non contemplato
7	0	158	-12	48	0	0	4								Tipo di acciaio non contemplato
8	0	124	-14	40	0	0	4								Tipo di acciaio non contemplato
1A	25	-90	-132	61	0	11	0								Tipo di acciaio non contemplato
1B	25	-90	127	61	0	11	0								Tipo di acciaio non contemplato
1C	25	-90	-132	-41	0	-16	0								Tipo di acciaio non contemplato
1D	25	-90	127	-41	0	-16	0								Tipo di acciaio non contemplato
1E	25	137	-132	61	0	11	0								Tipo di acciaio non contemplato
1F	25	137	127	61	0	11	0								Tipo di acciaio non contemplato
1G	25	137	-132	-41	0	-16	0								Tipo di acciaio non contemplato
1H	25	137	127	-41	0	-16	0								Tipo di acciaio non contemplato
1I	25	-42	-87	46	0	7	0								Tipo di acciaio non contemplato
1J	25	-42	81	46	0	7	0								Tipo di acciaio non contemplato
1K	25	-42	-87	-26	0	-12	0								Tipo di acciaio non contemplato
1L	25	-42	81	-26	0	-12	0								Tipo di acciaio non contemplato
1M	25	89	-87	46	0	7	0								Tipo di acciaio non contemplato
1N	25	89	81	46	0	7	0								Tipo di acciaio non contemplato
1O	25	89	-87	-26	0	-12	0								Tipo di acciaio non contemplato
1P	25	89	81	-26	0	-12	0								Tipo di acciaio non contemplato
2	25	167	-19	54	0	-14	0								Tipo di acciaio non contemplato
7	25	158	-15	48	0	-12	0								Tipo di acciaio non contemplato
8	25	124	-16	40	0	-10	0								Tipo di acciaio non contemplato
1A	50	-90	-135	61	0	21	-33								Tipo di acciaio non contemplato
1B	50	-90	124	61	0	21	32								Tipo di acciaio non contemplato
1C	50	-90	-135	-41	0	-31	-33								Tipo di acciaio non contemplato
1D	50	-90	124	-41	0	-31	32								Tipo di acciaio non contemplato
1E	50	137	-135	61	0	21	-33								Tipo di acciaio non contemplato
1F	50	137	124	61	0	21	32								Tipo di acciaio non contemplato
1G	50	137	-135	-41	0	-31	-33								Tipo di acciaio non contemplato
1H	50	137	124	-41	0	-31	32								Tipo di acciaio non contemplato
1I	50	-42	-89	46	0	14	-22								Tipo di acciaio non contemplato
1J	50	-42	78	46	0	14	20								Tipo di acciaio non contemplato
1K	50	-42	-89	-26	0	-24	-22								Tipo di acciaio non contemplato
1L	50	-42	78	-26	0	-24	20								Tipo di acciaio non contemplato
1M	50	89	-89	46	0	14	-22								Tipo di acciaio non contemplato
1N	50	89	78	46	0	14	20								Tipo di acciaio non contemplato
1O	50	89	-89	-26	0	-24	-22								Tipo di acciaio non contemplato
1P	50	89	78	-26	0	-24	20								Tipo di acciaio non contemplato
2	50	167	-22	54	0	-27	-5								Tipo di acciaio non contemplato
7	50	158	-18	48	0	-24	-4								Tipo di acciaio non contemplato
8	50	124	-19	40	0	-20	-4								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-90	13	13								Tipo di acciaio non contemplato
1B	-90	13	13								Tipo di acciaio non contemplato
1C	-90	19	13								Tipo di acciaio non contemplato
1D	-90	19	13								Tipo di acciaio non contemplato
1E	137	13	13								Tipo di acciaio non contemplato
1F	137	13	13								Tipo di acciaio non contemplato
1G	137	19	13								Tipo di acciaio non contemplato
1H	137	19	13								Tipo di acciaio non contemplato
1I	-42	9	9								Tipo di acciaio non contemplato
1J	-42	9	8								Tipo di acciaio non contemplato
1K	-42	15	9								Tipo di acciaio non contemplato
1L	-42	15	8								Tipo di acciaio non contemplato
1M	89	9	9								Tipo di acciaio non contemplato
1N	89	9	8								Tipo di acciaio non contemplato
1O	89	15	9								Tipo di acciaio non contemplato
1P	89	15	8								Tipo di acciaio non contemplato
2	167	17	2								Tipo di acciaio non contemplato
7	158	15	2								Tipo di acciaio non contemplato
8	124	12	2								Tipo di acciaio non contemplato

ASTA NUM. 10 NI 6 NF 14 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-134	-134	203	0	1	34								Tipo di acciaio non contemplato
1B	0	-134	144	203	0	1	-36								Tipo di acciaio non contemplato
1C	0	-134	-134	-150	0	0	34								Tipo di acciaio non contemplato
1D	0	-134	144	-150	0	0	-36								Tipo di acciaio non contemplato
1E	0	99	-134	203	0	1	34								Tipo di acciaio non contemplato
1F	0	99	144	203	0	1	-36								Tipo di acciaio non contemplato
1G	0	99	-134	-150	0	0	34								Tipo di acciaio non contemplato
1H	0	99	144	-150	0	0	-36								Tipo di acciaio non contemplato
1I	0	-84	-62	163	0	1	16								Tipo di acciaio non contemplato
1J	0	-84	72	163	0	1	-17								Tipo di acciaio non contemplato
1K	0	-84	-62	-110	0	0	16								Tipo di acciaio non contemplato
1L	0	-84	72	-110	0	0	-17								Tipo di acciaio non contemplato
1M	0	49	-62	163	0	1	16								Tipo di acciaio non contemplato
1N	0	49	72	163	0	1	-17								Tipo di acciaio non contemplato
1O	0	49	-62	-110	0	0	16								Tipo di acciaio non contemplato
1P	0	49	72	-110	0	0	-17								Tipo di acciaio non contemplato
2	0	-184	81	154	0	2	-19								Tipo di acciaio non contemplato
7	0	-139	70	137	0	2	-16								Tipo di acciaio non contemplato
8	0	-164	67	112	0	2	-15								Tipo di acciaio non contemplato
1A	25	-134	-137	203	0	-50	0								Tipo di acciaio non contemplato
1B	25	-134	142	203	0	-50	0								Tipo di acciaio non contemplato
1C	25	-134	-137	-150	0	37	0								Tipo di acciaio non contemplato
1D	25	-134	142	-150	0	37	0								Tipo di acciaio non contemplato
1E	25	99	-137	203	0	-50	0								Tipo di acciaio non contemplato
1F	25	99	142	203	0	-50	0								Tipo di acciaio non contemplato
1G	25	99	-137	-150	0	37	0								Tipo di acciaio non contemplato
1H	25	99	142	-150	0	37	0								Tipo di acciaio non contemplato
1I	25	-84	-64	163	0	-40	0								Tipo di acciaio non contemplato
1J	25	-84	70	163	0	-40	0								Tipo di acciaio non contemplato
1K	25	-84	-64	-110	0	27	0								Tipo di acciaio non contemplato
1L	25	-84	70	-110	0	27	0								Tipo di acciaio non contemplato
1M	25	49	-64	163	0	-40	0								Tipo di acciaio non contemplato
1N	25	49	70	163	0	-40	0								Tipo di acciaio non contemplato
1O	25	49	-64	-110	0	27	0								Tipo di acciaio non contemplato
1P	25	49	70	-110	0	27	0								Tipo di acciaio non contemplato
2	25	-184	78	154	0	-36	1								Tipo di acciaio non contemplato
7	25	-139	67	137	0	-33	1								Tipo di acciaio non contemplato
8	25	-164	64	112	0	-26	0								Tipo di acciaio non contemplato
1A	50	-134	-139	203	0	-100	-34								Tipo di acciaio non contemplato
1B	50	-134	140	203	0	-100	35								Tipo di acciaio non contemplato
1C	50	-134	-139	-150	0	75	-34								Tipo di acciaio non contemplato
1D	50	-134	140	-150	0	75	35								Tipo di acciaio non contemplato
1E	50	99	-139	203	0	-100	-34								Tipo di acciaio non contemplato
1F	50	99	140	203	0	-100	35								Tipo di acciaio non contemplato
1G	50	99	-139	-150	0	75	-34								Tipo di acciaio non contemplato
1H	50	99	140	-150	0	75	35								Tipo di acciaio non contemplato
1I	50	-84	-66	163	0	-81	-16								Tipo di acciaio non contemplato
1J	50	-84	67	163	0	-81	18								Tipo di acciaio non contemplato
1K	50	-84	-66	-110	0	55	-16								Tipo di acciaio non contemplato
1L	50	-84	67	-110	0	55	18								Tipo di acciaio non contemplato
1M	50	49	-66	163	0	-81	-16								Tipo di acciaio non contemplato
1N	50	49	67	163	0	-81	18								Tipo di acciaio non contemplato
1O	50	49	-66	-110	0	55	-16								Tipo di acciaio non contemplato
1P	50	49	67	-110	0	55	18								Tipo di acciaio non contemplato
2	50	-184	75	154	0	-75	20								Tipo di acciaio non contemplato
7	50	-139	64	137	0	-67	17								Tipo di acciaio non contemplato

8	50	-164	62	112	0	-54	17	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-134	60	14								Tipo di acciaio non contemplato
1B	-134	60	14								Tipo di acciaio non contemplato
1C	-134	45	14								Tipo di acciaio non contemplato
1D	-134	45	14								Tipo di acciaio non contemplato
1E	99	60	14								Tipo di acciaio non contemplato
1F	99	60	14								Tipo di acciaio non contemplato
1G	99	45	14								Tipo di acciaio non contemplato
1H	99	45	14								Tipo di acciaio non contemplato
1I	-84	48	6								Tipo di acciaio non contemplato
1J	-84	48	7								Tipo di acciaio non contemplato
1K	-84	33	6								Tipo di acciaio non contemplato
1L	-84	33	7								Tipo di acciaio non contemplato
1M	49	48	6								Tipo di acciaio non contemplato
1N	49	48	7								Tipo di acciaio non contemplato
1O	49	33	6								Tipo di acciaio non contemplato
1P	49	33	7								Tipo di acciaio non contemplato
2	-184	44	8								Tipo di acciaio non contemplato
7	-139	39	7								Tipo di acciaio non contemplato
8	-164	32	7								Tipo di acciaio non contemplato

ASTA NUM. 11 NI 5 NF 13 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-213	-69	395	0	119	15								Tipo di acciaio non contemplato
1B	0	-213	129	395	0	119	-32								Tipo di acciaio non contemplato
1C	0	-213	-69	-339	0	-103	15								Tipo di acciaio non contemplato
1D	0	-213	129	-339	0	-103	-32								Tipo di acciaio non contemplato
1E	0	197	-69	395	0	119	15								Tipo di acciaio non contemplato
1F	0	197	129	395	0	119	-32								Tipo di acciaio non contemplato
1G	0	197	-69	-339	0	-103	15								Tipo di acciaio non contemplato
1H	0	197	129	-339	0	-103	-32								Tipo di acciaio non contemplato
1I	0	-214	-39	330	0	99	8								Tipo di acciaio non contemplato
1J	0	-214	99	330	0	99	-25								Tipo di acciaio non contemplato
1K	0	-214	-39	-274	0	-83	8								Tipo di acciaio non contemplato
1L	0	-214	99	-274	0	-83	-25								Tipo di acciaio non contemplato
1M	0	197	-39	330	0	99	8								Tipo di acciaio non contemplato
1N	0	197	99	330	0	99	-25								Tipo di acciaio non contemplato
1O	0	197	-39	-274	0	-83	8								Tipo di acciaio non contemplato
1P	0	197	99	-274	0	-83	-25								Tipo di acciaio non contemplato
2	0	-26	255	191	0	55	-70								Tipo di acciaio non contemplato
7	0	-4	218	176	0	51	-60								Tipo di acciaio non contemplato
8	0	-30	206	137	0	39	-56								Tipo di acciaio non contemplato
1A	25	-213	-71	395	0	20	-2								Tipo di acciaio non contemplato
1B	25	-213	127	395	0	20	0								Tipo di acciaio non contemplato
1C	25	-213	-71	-339	0	-18	-2								Tipo di acciaio non contemplato
1D	25	-213	127	-339	0	-18	0								Tipo di acciaio non contemplato
1E	25	197	-71	395	0	20	-2								Tipo di acciaio non contemplato
1F	25	197	127	395	0	20	0								Tipo di acciaio non contemplato
1G	25	197	-71	-339	0	-18	-2								Tipo di acciaio non contemplato
1H	25	197	127	-339	0	-18	0								Tipo di acciaio non contemplato
1I	25	-214	-41	330	0	17	-2								Tipo di acciaio non contemplato
1J	25	-214	97	330	0	17	0								Tipo di acciaio non contemplato
1K	25	-214	-41	-274	0	-15	-2								Tipo di acciaio non contemplato
1L	25	-214	97	-274	0	-15	0								Tipo di acciaio non contemplato
1M	25	197	-41	330	0	17	-2								Tipo di acciaio non contemplato
1N	25	197	97	330	0	17	0								Tipo di acciaio non contemplato
1O	25	197	-41	-274	0	-15	-2								Tipo di acciaio non contemplato
1P	25	197	97	-274	0	-15	0								Tipo di acciaio non contemplato
2	25	-26	252	191	0	7	-7								Tipo di acciaio non contemplato
7	25	-4	215	176	0	7	-6								Tipo di acciaio non contemplato
8	25	-30	203	137	0	5	-5								Tipo di acciaio non contemplato
1A	50	-213	-73	395	0	-79	-20								Tipo di acciaio non contemplato
1B	50	-213	124	395	0	-79	31								Tipo di acciaio non contemplato
1C	50	-213	-73	-339	0	67	-20								Tipo di acciaio non contemplato
1D	50	-213	124	-339	0	67	31								Tipo di acciaio non contemplato
1E	50	197	-73	395	0	-79	-20								Tipo di acciaio non contemplato
1F	50	197	124	395	0	-79	31								Tipo di acciaio non contemplato
1G	50	197	-73	-339	0	67	-20								Tipo di acciaio non contemplato
1H	50	197	124	-339	0	67	31								Tipo di acciaio non contemplato
1I	50	-214	-44	330	0	-66	-13								Tipo di acciaio non contemplato
1J	50	-214	95	330	0	-66	24								Tipo di acciaio non contemplato
1K	50	-214	-44	-274	0	54	-13								Tipo di acciaio non contemplato
1L	50	-214	95	-274	0	54	24								Tipo di acciaio non contemplato
1M	50	197	-44	330	0	-66	-13								Tipo di acciaio non contemplato
1N	50	197	95	330	0	-66	24								Tipo di acciaio non contemplato
1O	50	197	-44	-274	0	54	-13								Tipo di acciaio non contemplato
1P	50	197	95	-274	0	54	24								Tipo di acciaio non contemplato

2	50	-26	249	191	0	-40	56							Tipo di acciaio non contemplato
7	50	-4	212	176	0	-37	48							Tipo di acciaio non contemplato
8	50	-30	201	137	0	-29	45							Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-213	47	8								Tipo di acciaio non contemplato
1B	-213	47	13								Tipo di acciaio non contemplato
1C	-213	41	8								Tipo di acciaio non contemplato
1D	-213	41	13								Tipo di acciaio non contemplato
1E	197	47	8								Tipo di acciaio non contemplato
1F	197	47	13								Tipo di acciaio non contemplato
1G	197	41	8								Tipo di acciaio non contemplato
1H	197	41	13								Tipo di acciaio non contemplato
1I	-214	40	5								Tipo di acciaio non contemplato
1J	-214	40	10								Tipo di acciaio non contemplato
1K	-214	33	5								Tipo di acciaio non contemplato
1L	-214	33	10								Tipo di acciaio non contemplato
1M	197	40	5								Tipo di acciaio non contemplato
1N	197	40	10								Tipo di acciaio non contemplato
1O	197	33	5								Tipo di acciaio non contemplato
1P	197	33	10								Tipo di acciaio non contemplato
2	-26	22	28								Tipo di acciaio non contemplato
7	-4	20	24								Tipo di acciaio non contemplato
8	-30	16	23								Tipo di acciaio non contemplato

ASTA NUM. 12 NI 36 NF 28 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-665	-75	547	0	122	21								Tipo di acciaio non contemplato
1B	0	-665	187	547	0	122	-43								Tipo di acciaio non contemplato
1C	0	-665	-75	-478	0	-108	21								Tipo di acciaio non contemplato
1D	0	-665	187	-478	0	-108	-43								Tipo di acciaio non contemplato
1E	0	-168	-75	547	0	122	21								Tipo di acciaio non contemplato
1F	0	-168	187	547	0	122	-43								Tipo di acciaio non contemplato
1G	0	-168	-75	-478	0	-108	21								Tipo di acciaio non contemplato
1H	0	-168	187	-478	0	-108	-43								Tipo di acciaio non contemplato
1I	0	-772	-53	451	0	99	18								Tipo di acciaio non contemplato
1J	0	-772	166	451	0	99	-41								Tipo di acciaio non contemplato
1K	0	-772	-53	-382	0	-86	18								Tipo di acciaio non contemplato
1L	0	-772	166	-382	0	-86	-41								Tipo di acciaio non contemplato
1M	0	-62	-53	451	0	99	18								Tipo di acciaio non contemplato
1N	0	-62	166	451	0	99	-41								Tipo di acciaio non contemplato
1O	0	-62	-53	-382	0	-86	18								Tipo di acciaio non contemplato
1P	0	-62	166	-382	0	-86	-41								Tipo di acciaio non contemplato
2	0	-1771	356	241	0	48	-76								Tipo di acciaio non contemplato
7	0	-1315	307	224	0	45	-67								Tipo di acciaio non contemplato
8	0	-1423	273	172	0	34	-58								Tipo di acciaio non contemplato
1A	25	-665	-77	547	0	-15	2								Tipo di acciaio non contemplato
1B	25	-665	185	547	0	-15	3								Tipo di acciaio non contemplato
1C	25	-665	-77	-478	0	11	2								Tipo di acciaio non contemplato
1D	25	-665	185	-478	0	11	3								Tipo di acciaio non contemplato
1E	25	-168	-77	547	0	-15	2								Tipo di acciaio non contemplato
1F	25	-168	185	547	0	-15	3								Tipo di acciaio non contemplato
1G	25	-168	-77	-478	0	11	2								Tipo di acciaio non contemplato
1H	25	-168	185	-478	0	11	3								Tipo di acciaio non contemplato
1I	25	-772	-56	451	0	-13	4								Tipo di acciaio non contemplato
1J	25	-772	163	451	0	-13	0								Tipo di acciaio non contemplato
1K	25	-772	-56	-382	0	9	4								Tipo di acciaio non contemplato
1L	25	-772	163	-382	0	9	0								Tipo di acciaio non contemplato
1M	25	-62	-56	451	0	-13	4								Tipo di acciaio non contemplato
1N	25	-62	163	451	0	-13	0								Tipo di acciaio non contemplato
1O	25	-62	-56	-382	0	9	4								Tipo di acciaio non contemplato
1P	25	-62	163	-382	0	9	0								Tipo di acciaio non contemplato
2	25	-1771	353	241	0	-12	13								Tipo di acciaio non contemplato
7	25	-1315	304	224	0	-11	9								Tipo di acciaio non contemplato
8	25	-1423	270	172	0	-9	10								Tipo di acciaio non contemplato
1A	50	-665	-79	547	0	-152	-18								Tipo di acciaio non contemplato
1B	50	-665	183	547	0	-152	49								Tipo di acciaio non contemplato
1C	50	-665	-79	-478	0	131	-18								Tipo di acciaio non contemplato
1D	50	-665	183	-478	0	131	49								Tipo di acciaio non contemplato
1E	50	-168	-79	547	0	-152	-18								Tipo di acciaio non contemplato
1F	50	-168	183	547	0	-152	49								Tipo di acciaio non contemplato
1G	50	-168	-79	-478	0	131	-18								Tipo di acciaio non contemplato
1H	50	-168	183	-478	0	131	49								Tipo di acciaio non contemplato
1I	50	-772	-58	451	0	-126	-10								Tipo di acciaio non contemplato
1J	50	-772	161	451	0	-126	41								Tipo di acciaio non contemplato
1K	50	-772	-58	-382	0	105	-10								Tipo di acciaio non contemplato
1L	50	-772	161	-382	0	105	41								Tipo di acciaio non contemplato
1M	50	-62	-58	451	0	-126	-10								Tipo di acciaio non contemplato
1N	50	-62	161	451	0	-126	41								Tipo di acciaio non contemplato

1O	50	-62	-58	-382	0	105	-10		Tipo di acciaio non contemplato
1P	50	-62	161	-382	0	105	41		Tipo di acciaio non contemplato
2	50	-1771	350	241	0	-72	101		Tipo di acciaio non contemplato
7	50	-1315	301	224	0	-67	85		Tipo di acciaio non contemplato
8	50	-1423	267	172	0	-52	77		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-665	61	8								Tipo di acciaio non contemplato
1B	-665	61	20								Tipo di acciaio non contemplato
1C	-665	52	8								Tipo di acciaio non contemplato
1D	-665	52	20								Tipo di acciaio non contemplato
1E	-168	61	8								Tipo di acciaio non contemplato
1F	-168	61	20								Tipo di acciaio non contemplato
1G	-168	52	8								Tipo di acciaio non contemplato
1H	-168	52	20								Tipo di acciaio non contemplato
1I	-772	51	7								Tipo di acciaio non contemplato
1J	-772	51	16								Tipo di acciaio non contemplato
1K	-772	42	7								Tipo di acciaio non contemplato
1L	-772	42	16								Tipo di acciaio non contemplato
1M	-62	51	7								Tipo di acciaio non contemplato
1N	-62	51	16								Tipo di acciaio non contemplato
1O	-62	42	7								Tipo di acciaio non contemplato
1P	-62	42	16								Tipo di acciaio non contemplato
2	-1771	29	40								Tipo di acciaio non contemplato
7	-1315	27	34								Tipo di acciaio non contemplato
8	-1423	21	31								Tipo di acciaio non contemplato

ASTA NUM. 13 NI 76 NF 68 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-845	-2	387	0	109	2								Tipo di acciaio non contemplato
1B	0	-845	167	387	0	109	-39								Tipo di acciaio non contemplato
1C	0	-845	-2	-398	0	-110	2								Tipo di acciaio non contemplato
1D	0	-845	167	-398	0	-110	-39								Tipo di acciaio non contemplato
1E	0	-153	-2	387	0	109	2								Tipo di acciaio non contemplato
1F	0	-153	167	387	0	109	-39								Tipo di acciaio non contemplato
1G	0	-153	-2	-398	0	-110	2								Tipo di acciaio non contemplato
1H	0	-153	167	-398	0	-110	-39								Tipo di acciaio non contemplato
1I	0	-1097	22	347	0	99	-1								Tipo di acciaio non contemplato
1J	0	-1097	143	347	0	99	-35								Tipo di acciaio non contemplato
1K	0	-1097	22	-357	0	-100	-1								Tipo di acciaio non contemplato
1L	0	-1097	143	-357	0	-100	-35								Tipo di acciaio non contemplato
1M	0	99	22	347	0	99	-1								Tipo di acciaio non contemplato
1N	0	99	143	347	0	99	-35								Tipo di acciaio non contemplato
1O	0	99	22	-357	0	-100	-1								Tipo di acciaio non contemplato
1P	0	99	143	-357	0	-100	-35								Tipo di acciaio non contemplato
2	0	-2087	522	16	0	10	-117								Tipo di acciaio non contemplato
7	0	-1551	457	29	0	13	-105								Tipo di acciaio non contemplato
8	0	-1668	395	5	0	5	-88								Tipo di acciaio non contemplato
1A	25	-845	-4	387	0	12	1								Tipo di acciaio non contemplato
1B	25	-845	165	387	0	12	3								Tipo di acciaio non contemplato
1C	25	-845	-4	-398	0	-10	1								Tipo di acciaio non contemplato
1D	25	-845	165	-398	0	-10	3								Tipo di acciaio non contemplato
1E	25	-153	-4	387	0	12	1								Tipo di acciaio non contemplato
1F	25	-153	165	387	0	12	3								Tipo di acciaio non contemplato
1G	25	-153	-4	-398	0	-10	1								Tipo di acciaio non contemplato
1H	25	-153	165	-398	0	-10	3								Tipo di acciaio non contemplato
1I	25	-1097	19	347	0	12	4								Tipo di acciaio non contemplato
1J	25	-1097	141	347	0	12	0								Tipo di acciaio non contemplato
1K	25	-1097	19	-357	0	-10	4								Tipo di acciaio non contemplato
1L	25	-1097	141	-357	0	-10	0								Tipo di acciaio non contemplato
1M	25	99	19	347	0	12	4								Tipo di acciaio non contemplato
1N	25	99	141	347	0	12	0								Tipo di acciaio non contemplato
1O	25	99	19	-357	0	-10	4								Tipo di acciaio non contemplato
1P	25	99	141	-357	0	-10	0								Tipo di acciaio non contemplato
2	25	-2087	519	16	0	6	13								Tipo di acciaio non contemplato
7	25	-1551	454	29	0	5	9								Tipo di acciaio non contemplato
8	25	-1668	392	5	0	4	10								Tipo di acciaio non contemplato
1A	50	-845	-6	387	0	-85	0								Tipo di acciaio non contemplato
1B	50	-845	162	387	0	-85	44								Tipo di acciaio non contemplato
1C	50	-845	-6	-398	0	89	0								Tipo di acciaio non contemplato
1D	50	-845	162	-398	0	89	44								Tipo di acciaio non contemplato
1E	50	-153	-6	387	0	-85	0								Tipo di acciaio non contemplato
1F	50	-153	162	387	0	-85	44								Tipo di acciaio non contemplato
1G	50	-153	-6	-398	0	89	0								Tipo di acciaio non contemplato
1H	50	-153	162	-398	0	89	44								Tipo di acciaio non contemplato
1I	50	-1097	17	347	0	-74	8								Tipo di acciaio non contemplato
1J	50	-1097	139	347	0	-74	36								Tipo di acciaio non contemplato
1K	50	-1097	17	-357	0	79	8								Tipo di acciaio non contemplato
1L	50	-1097	139	-357	0	79	36								Tipo di acciaio non contemplato

1M	50	99	17	347	0	-74	8	Tipo di acciaio non contemplato
1N	50	99	139	347	0	-74	36	Tipo di acciaio non contemplato
1O	50	99	17	-357	0	79	8	Tipo di acciaio non contemplato
1P	50	99	139	-357	0	79	36	Tipo di acciaio non contemplato
2	50	-2087	516	16	0	1	142	Tipo di acciaio non contemplato
7	50	-1551	452	29	0	-2	122	Tipo di acciaio non contemplato
8	50	-1668	389	5	0	3	108	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-845	44	1								Tipo di acciaio non contemplato
1B	-845	44	18								Tipo di acciaio non contemplato
1C	-845	44	1								Tipo di acciaio non contemplato
1D	-845	44	18								Tipo di acciaio non contemplato
1E	-153	44	1								Tipo di acciaio non contemplato
1F	-153	44	18								Tipo di acciaio non contemplato
1G	-153	44	1								Tipo di acciaio non contemplato
1H	-153	44	18								Tipo di acciaio non contemplato
1I	-1097	40	4								Tipo di acciaio non contemplato
1J	-1097	40	14								Tipo di acciaio non contemplato
1K	-1097	40	4								Tipo di acciaio non contemplato
1L	-1097	40	14								Tipo di acciaio non contemplato
1M	99	40	4								Tipo di acciaio non contemplato
1N	99	40	14								Tipo di acciaio non contemplato
1O	99	40	4								Tipo di acciaio non contemplato
1P	99	40	14								Tipo di acciaio non contemplato
2	-2087	6	57								Tipo di acciaio non contemplato
7	-1551	7	49								Tipo di acciaio non contemplato
8	-1668	4	43								Tipo di acciaio non contemplato

ASTA NUM. 14 NI 116 NF 108 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-410	-121	342	0	130	34								Tipo di acciaio non contemplato
1B	0	-410	94	342	0	130	-34								Tipo di acciaio non contemplato
1C	0	-410	-121	-374	0	-143	34								Tipo di acciaio non contemplato
1D	0	-410	94	-374	0	-143	-34								Tipo di acciaio non contemplato
1E	0	722	-121	342	0	130	34								Tipo di acciaio non contemplato
1F	0	722	94	342	0	130	-34								Tipo di acciaio non contemplato
1G	0	722	-121	-374	0	-143	34								Tipo di acciaio non contemplato
1H	0	722	94	-374	0	-143	-34								Tipo di acciaio non contemplato
1I	0	-1217	-303	266	0	100	91								Tipo di acciaio non contemplato
1J	0	-1217	277	266	0	100	-91								Tipo di acciaio non contemplato
1K	0	-1217	-303	-298	0	-112	91								Tipo di acciaio non contemplato
1L	0	-1217	277	-298	0	-112	-91								Tipo di acciaio non contemplato
1M	0	1529	-303	266	0	100	91								Tipo di acciaio non contemplato
1N	0	1529	277	266	0	100	-91								Tipo di acciaio non contemplato
1O	0	1529	-303	-298	0	-112	91								Tipo di acciaio non contemplato
1P	0	1529	277	-298	0	-112	-91								Tipo di acciaio non contemplato
2	0	477	-143	-6	0	0	51								Tipo di acciaio non contemplato
7	0	515	-65	7	0	4	25								Tipo di acciaio non contemplato
8	0	387	-104	-13	0	-4	35								Tipo di acciaio non contemplato
1A	25	-410	-123	342	0	45	3								Tipo di acciaio non contemplato
1B	25	-410	92	342	0	45	-11								Tipo di acciaio non contemplato
1C	25	-410	-123	-374	0	-49	3								Tipo di acciaio non contemplato
1D	25	-410	92	-374	0	-49	-11								Tipo di acciaio non contemplato
1E	25	722	-123	342	0	45	3								Tipo di acciaio non contemplato
1F	25	722	92	342	0	45	-11								Tipo di acciaio non contemplato
1G	25	722	-123	-374	0	-49	3								Tipo di acciaio non contemplato
1H	25	722	92	-374	0	-49	-11								Tipo di acciaio non contemplato
1I	25	-1217	-305	266	0	33	15								Tipo di acciaio non contemplato
1J	25	-1217	275	266	0	33	-22								Tipo di acciaio non contemplato
1K	25	-1217	-305	-298	0	-38	15								Tipo di acciaio non contemplato
1L	25	-1217	275	-298	0	-38	-22								Tipo di acciaio non contemplato
1M	25	1529	-305	266	0	33	15								Tipo di acciaio non contemplato
1N	25	1529	275	266	0	33	-22								Tipo di acciaio non contemplato
1O	25	1529	-305	-298	0	-38	15								Tipo di acciaio non contemplato
1P	25	1529	275	-298	0	-38	-22								Tipo di acciaio non contemplato
2	25	477	-146	-6	0	1	15								Tipo di acciaio non contemplato
7	25	515	-68	7	0	3	9								Tipo di acciaio non contemplato
8	25	387	-107	-13	0	0	9								Tipo di acciaio non contemplato
1A	50	-410	-125	342	0	-41	-28								Tipo di acciaio non contemplato
1B	50	-410	90	342	0	-41	13								Tipo di acciaio non contemplato
1C	50	-410	-125	-374	0	44	-28								Tipo di acciaio non contemplato
1D	50	-410	90	-374	0	44	13								Tipo di acciaio non contemplato
1E	50	722	-125	342	0	-41	-28								Tipo di acciaio non contemplato
1F	50	722	90	342	0	-41	13								Tipo di acciaio non contemplato
1G	50	722	-125	-374	0	44	-28								Tipo di acciaio non contemplato
1H	50	722	90	-374	0	44	13								Tipo di acciaio non contemplato
1I	50	-1217	-308	266	0	-33	-62								Tipo di acciaio non contemplato
1J	50	-1217	272	266	0	-33	47								Tipo di acciaio non contemplato

1K	50	-1217	-308	-298	0	37	-62	Tipo di acciaio non contemplato
1L	50	-1217	272	-298	0	37	47	Tipo di acciaio non contemplato
1M	50	1529	-308	266	0	-33	-62	Tipo di acciaio non contemplato
1N	50	1529	272	266	0	-33	47	Tipo di acciaio non contemplato
1O	50	1529	-308	-298	0	37	-62	Tipo di acciaio non contemplato
1P	50	1529	272	-298	0	37	47	Tipo di acciaio non contemplato
2	50	477	-149	-6	0	3	-22	Tipo di acciaio non contemplato
7	50	515	-71	7	0	0	-9	Tipo di acciaio non contemplato
8	50	387	-110	-13	0	3	-18	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-410	62	14								Tipo di acciaio non contemplato
1B	-410	62	16								Tipo di acciaio non contemplato
1C	-410	68	14								Tipo di acciaio non contemplato
1D	-410	68	16								Tipo di acciaio non contemplato
1E	722	62	14								Tipo di acciaio non contemplato
1F	722	62	16								Tipo di acciaio non contemplato
1G	722	68	14								Tipo di acciaio non contemplato
1H	722	68	16								Tipo di acciaio non contemplato
1I	-1217	47	36								Tipo di acciaio non contemplato
1J	-1217	47	36								Tipo di acciaio non contemplato
1K	-1217	52	36								Tipo di acciaio non contemplato
1L	-1217	52	36								Tipo di acciaio non contemplato
1M	1529	47	36								Tipo di acciaio non contemplato
1N	1529	47	36								Tipo di acciaio non contemplato
1O	1529	52	36								Tipo di acciaio non contemplato
1P	1529	52	36								Tipo di acciaio non contemplato
2	477	2	22								Tipo di acciaio non contemplato
7	515	3	12								Tipo di acciaio non contemplato
8	387	1	14								Tipo di acciaio non contemplato

ASTA NUM. 15 NI 156 NF 148 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-286	4	402	0	111	-6								Tipo di acciaio non contemplato
1B	0	-286	227	402	0	111	-67								Tipo di acciaio non contemplato
1C	0	-286	4	-471	0	-129	-6								Tipo di acciaio non contemplato
1D	0	-286	227	-471	0	-129	-67								Tipo di acciaio non contemplato
1E	0	183	4	402	0	111	-6								Tipo di acciaio non contemplato
1F	0	183	227	402	0	111	-67								Tipo di acciaio non contemplato
1G	0	183	4	-471	0	-129	-6								Tipo di acciaio non contemplato
1H	0	183	227	-471	0	-129	-67								Tipo di acciaio non contemplato
1I	0	-352	-166	390	0	105	35								Tipo di acciaio non contemplato
1J	0	-352	397	390	0	105	-108								Tipo di acciaio non contemplato
1K	0	-352	-166	-459	0	-124	35								Tipo di acciaio non contemplato
1L	0	-352	397	-459	0	-124	-108								Tipo di acciaio non contemplato
1M	0	249	-166	390	0	105	35								Tipo di acciaio non contemplato
1N	0	249	397	390	0	105	-108								Tipo di acciaio non contemplato
1O	0	249	-166	-459	0	-124	35								Tipo di acciaio non contemplato
1P	0	249	397	-459	0	-124	-108								Tipo di acciaio non contemplato
2	0	362	154	-6	0	0	-48								Tipo di acciaio non contemplato
7	0	361	158	-3	0	0	-49								Tipo di acciaio non contemplato
8	0	231	152	-21	0	-5	-48								Tipo di acciaio non contemplato
1A	25	-286	2	402	0	10	-6								Tipo di acciaio non contemplato
1B	25	-286	225	402	0	10	-10								Tipo di acciaio non contemplato
1C	25	-286	2	-471	0	-12	-6								Tipo di acciaio non contemplato
1D	25	-286	225	-471	0	-12	-10								Tipo di acciaio non contemplato
1E	25	183	2	402	0	10	-6								Tipo di acciaio non contemplato
1F	25	183	225	402	0	10	-10								Tipo di acciaio non contemplato
1G	25	183	2	-471	0	-12	-6								Tipo di acciaio non contemplato
1H	25	183	225	-471	0	-12	-10								Tipo di acciaio non contemplato
1I	25	-352	-168	390	0	7	-6								Tipo di acciaio non contemplato
1J	25	-352	395	390	0	7	-9								Tipo di acciaio non contemplato
1K	25	-352	-168	-459	0	-9	-6								Tipo di acciaio non contemplato
1L	25	-352	395	-459	0	-9	-9								Tipo di acciaio non contemplato
1M	25	249	-168	390	0	7	-6								Tipo di acciaio non contemplato
1N	25	249	395	390	0	7	-9								Tipo di acciaio non contemplato
1O	25	249	-168	-459	0	-9	-6								Tipo di acciaio non contemplato
1P	25	249	395	-459	0	-9	-9								Tipo di acciaio non contemplato
2	25	362	152	-6	0	1	-10								Tipo di acciaio non contemplato
7	25	361	155	-3	0	1	-10								Tipo di acciaio non contemplato
8	25	231	150	-21	0	0	-10								Tipo di acciaio non contemplato
1A	50	-286	-0	402	0	-90	-6								Tipo di acciaio non contemplato
1B	50	-286	222	402	0	-90	46								Tipo di acciaio non contemplato
1C	50	-286	-0	-471	0	106	-6								Tipo di acciaio non contemplato
1D	50	-286	222	-471	0	106	46								Tipo di acciaio non contemplato
1E	50	183	-0	402	0	-90	-6								Tipo di acciaio non contemplato
1F	50	183	222	402	0	-90	46								Tipo di acciaio non contemplato
1G	50	183	-0	-471	0	106	-6								Tipo di acciaio non contemplato
1H	50	183	222	-471	0	106	46								Tipo di acciaio non contemplato

1I	50	-352	-170	390	0	-90	-49		Tipo di acciaio non contemplato
1J	50	-352	393	390	0	-90	90		Tipo di acciaio non contemplato
1K	50	-352	-170	-459	0	106	-49		Tipo di acciaio non contemplato
1L	50	-352	393	-459	0	106	90		Tipo di acciaio non contemplato
1M	50	249	-170	390	0	-90	-49		Tipo di acciaio non contemplato
1N	50	249	393	390	0	-90	90		Tipo di acciaio non contemplato
1O	50	249	-170	-459	0	106	-49		Tipo di acciaio non contemplato
1P	50	249	393	-459	0	106	90		Tipo di acciaio non contemplato
2	50	362	149	-6	0	3	28		Tipo di acciaio non contemplato
7	50	361	152	-3	0	2	28		Tipo di acciaio non contemplato
8	50	231	147	-21	0	5	27		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-286	44	6								Tipo di acciaio non contemplato
1B	-286	44	27								Tipo di acciaio non contemplato
1C	-286	52	6								Tipo di acciaio non contemplato
1D	-286	52	27								Tipo di acciaio non contemplato
1E	183	44	6								Tipo di acciaio non contemplato
1F	183	44	27								Tipo di acciaio non contemplato
1G	183	52	6								Tipo di acciaio non contemplato
1H	183	52	27								Tipo di acciaio non contemplato
1I	-352	42	20								Tipo di acciaio non contemplato
1J	-352	42	43								Tipo di acciaio non contemplato
1K	-352	50	20								Tipo di acciaio non contemplato
1L	-352	50	43								Tipo di acciaio non contemplato
1M	249	42	20								Tipo di acciaio non contemplato
1N	249	42	43								Tipo di acciaio non contemplato
1O	249	50	20								Tipo di acciaio non contemplato
1P	249	50	43								Tipo di acciaio non contemplato
2	362	1	19								Tipo di acciaio non contemplato
7	361	1	20								Tipo di acciaio non contemplato
8	231	2	19								Tipo di acciaio non contemplato

ASTA NUM. 16 NI 176 NF 168 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-304	-22	201	0	30	-6								Tipo di acciaio non contemplato
1B	0	-304	275	201	0	30	-67								Tipo di acciaio non contemplato
1C	0	-304	-22	-210	0	-30	-6								Tipo di acciaio non contemplato
1D	0	-304	275	-210	0	-30	-67								Tipo di acciaio non contemplato
1E	0	79	-22	201	0	30	-6								Tipo di acciaio non contemplato
1F	0	79	275	201	0	30	-67								Tipo di acciaio non contemplato
1G	0	79	-22	-210	0	-30	-6								Tipo di acciaio non contemplato
1H	0	79	275	-210	0	-30	-67								Tipo di acciaio non contemplato
1I	0	-262	-214	224	0	36	43								Tipo di acciaio non contemplato
1J	0	-262	467	224	0	36	-115								Tipo di acciaio non contemplato
1K	0	-262	-214	-233	0	-36	43								Tipo di acciaio non contemplato
1L	0	-262	467	-233	0	-36	-115								Tipo di acciaio non contemplato
1M	0	38	-214	224	0	36	43								Tipo di acciaio non contemplato
1N	0	38	467	224	0	36	-115								Tipo di acciaio non contemplato
1O	0	38	-214	-233	0	-36	43								Tipo di acciaio non contemplato
1P	0	38	467	-233	0	-36	-115								Tipo di acciaio non contemplato
2	0	-124	105	-3	0	0	-34								Tipo di acciaio non contemplato
7	0	-124	105	-2	0	0	-34								Tipo di acciaio non contemplato
8	0	-131	122	-5	0	0	-37								Tipo di acciaio non contemplato
1A	25	-304	-24	201	0	-21	-12								Tipo di acciaio non contemplato
1B	25	-304	272	201	0	-21	1								Tipo di acciaio non contemplato
1C	25	-304	-24	-210	0	22	-12								Tipo di acciaio non contemplato
1D	25	-304	272	-210	0	22	1								Tipo di acciaio non contemplato
1E	25	79	-24	201	0	-21	-12								Tipo di acciaio non contemplato
1F	25	79	272	201	0	-21	1								Tipo di acciaio non contemplato
1G	25	79	-24	-210	0	22	-12								Tipo di acciaio non contemplato
1H	25	79	272	-210	0	22	1								Tipo di acciaio non contemplato
1I	25	-262	-216	224	0	-20	-11								Tipo di acciaio non contemplato
1J	25	-262	465	224	0	-20	1								Tipo di acciaio non contemplato
1K	25	-262	-216	-233	0	22	-11								Tipo di acciaio non contemplato
1L	25	-262	465	-233	0	22	1								Tipo di acciaio non contemplato
1M	25	38	-216	224	0	-20	-11								Tipo di acciaio non contemplato
1N	25	38	465	224	0	-20	1								Tipo di acciaio non contemplato
1O	25	38	-216	-233	0	22	-11								Tipo di acciaio non contemplato
1P	25	38	465	-233	0	22	1								Tipo di acciaio non contemplato
2	25	-124	102	-3	0	0	-8								Tipo di acciaio non contemplato
7	25	-124	102	-2	0	0	-8								Tipo di acciaio non contemplato
8	25	-131	119	-5	0	0	-7								Tipo di acciaio non contemplato
1A	50	-304	-26	201	0	-71	-18								Tipo di acciaio non contemplato
1B	50	-304	270	201	0	-71	69								Tipo di acciaio non contemplato
1C	50	-304	-26	-210	0	75	-18								Tipo di acciaio non contemplato
1D	50	-304	270	-210	0	75	69								Tipo di acciaio non contemplato
1E	50	79	-26	201	0	-71	-18								Tipo di acciaio non contemplato
1F	50	79	270	201	0	-71	69								Tipo di acciaio non contemplato

1G	50	79	-26	-210	0	75	-18						Tipo di acciaio non contemplato
1H	50	79	270	-210	0	75	69						Tipo di acciaio non contemplato
1I	50	-262	-219	224	0	-76	-66						Tipo di acciaio non contemplato
1J	50	-262	463	224	0	-76	117						Tipo di acciaio non contemplato
1K	50	-262	-219	-233	0	80	-66						Tipo di acciaio non contemplato
1L	50	-262	463	-233	0	80	117						Tipo di acciaio non contemplato
1M	50	38	-219	224	0	-76	-66						Tipo di acciaio non contemplato
1N	50	38	463	224	0	-76	117						Tipo di acciaio non contemplato
1O	50	38	-219	-233	0	80	-66						Tipo di acciaio non contemplato
1P	50	38	463	-233	0	80	117						Tipo di acciaio non contemplato
2	50	-124	99	-3	0	1	17						Tipo di acciaio non contemplato
7	50	-124	99	-2	0	1	17						Tipo di acciaio non contemplato
8	50	-131	116	-5	0	2	22						Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-304	31	13								Tipo di acciaio non contemplato
1B	-304	31	28								Tipo di acciaio non contemplato
1C	-304	33	13								Tipo di acciaio non contemplato
1D	-304	33	28								Tipo di acciaio non contemplato
1E	79	31	13								Tipo di acciaio non contemplato
1F	79	31	28								Tipo di acciaio non contemplato
1G	79	33	13								Tipo di acciaio non contemplato
1H	79	33	28								Tipo di acciaio non contemplato
1I	-262	31	26								Tipo di acciaio non contemplato
1J	-262	31	47								Tipo di acciaio non contemplato
1K	-262	33	26								Tipo di acciaio non contemplato
1L	-262	33	47								Tipo di acciaio non contemplato
1M	38	31	26								Tipo di acciaio non contemplato
1N	38	31	47								Tipo di acciaio non contemplato
1O	38	33	26								Tipo di acciaio non contemplato
1P	38	33	47								Tipo di acciaio non contemplato
2	-124	1	13								Tipo di acciaio non contemplato
7	-124	1	13								Tipo di acciaio non contemplato
8	-131	1	15								Tipo di acciaio non contemplato

ASTA NUM. 17 NI 35 NF 27 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-81	-225	104	0	0	57								Tipo di acciaio non contemplato
1B	0	-81	96	104	0	0	-24								Tipo di acciaio non contemplato
1C	0	-81	-225	-78	0	0	57								Tipo di acciaio non contemplato
1D	0	-81	96	-78	0	0	-24								Tipo di acciaio non contemplato
1E	0	93	-225	104	0	0	57								Tipo di acciaio non contemplato
1F	0	93	96	104	0	0	-24								Tipo di acciaio non contemplato
1G	0	93	-225	-78	0	0	57								Tipo di acciaio non contemplato
1H	0	93	96	-78	0	0	-24								Tipo di acciaio non contemplato
1I	0	-36	-239	82	0	0	60								Tipo di acciaio non contemplato
1J	0	-36	110	82	0	0	-27								Tipo di acciaio non contemplato
1K	0	-36	-239	-55	0	0	60								Tipo di acciaio non contemplato
1L	0	-36	110	-55	0	0	-27								Tipo di acciaio non contemplato
1M	0	47	-239	82	0	0	60								Tipo di acciaio non contemplato
1N	0	47	110	82	0	0	-27								Tipo di acciaio non contemplato
1O	0	47	-239	-55	0	0	60								Tipo di acciaio non contemplato
1P	0	47	110	-55	0	0	-27								Tipo di acciaio non contemplato
2	0	80	-247	75	0	1	62								Tipo di acciaio non contemplato
7	0	75	-172	67	0	1	44								Tipo di acciaio non contemplato
8	0	52	-206	55	0	0	52								Tipo di acciaio non contemplato
1A	25	-81	-227	104	0	-26	0								Tipo di acciaio non contemplato
1B	25	-81	93	104	0	-26	0								Tipo di acciaio non contemplato
1C	25	-81	-227	-78	0	20	0								Tipo di acciaio non contemplato
1D	25	-81	93	-78	0	20	0								Tipo di acciaio non contemplato
1E	25	93	-227	104	0	-26	0								Tipo di acciaio non contemplato
1F	25	93	93	104	0	-26	0								Tipo di acciaio non contemplato
1G	25	93	-227	-78	0	20	0								Tipo di acciaio non contemplato
1H	25	93	93	-78	0	20	0								Tipo di acciaio non contemplato
1I	25	-36	-242	82	0	14	0								Tipo di acciaio non contemplato
1J	25	-36	108	82	0	14	0								Tipo di acciaio non contemplato
1K	25	-36	-242	-55	0	-20	0								Tipo di acciaio non contemplato
1L	25	-36	108	-55	0	-20	0								Tipo di acciaio non contemplato
1M	25	47	-242	82	0	14	0								Tipo di acciaio non contemplato
1N	25	47	108	82	0	14	0								Tipo di acciaio non contemplato
1O	25	47	-242	-55	0	-20	0								Tipo di acciaio non contemplato
1P	25	47	108	-55	0	-20	0								Tipo di acciaio non contemplato
2	25	80	-250	75	0	-18	0								Tipo di acciaio non contemplato
7	25	75	-175	67	0	-16	0								Tipo di acciaio non contemplato
8	25	52	-209	55	0	-13	0								Tipo di acciaio non contemplato
1A	50	-81	-230	104	0	-52	-57								Tipo di acciaio non contemplato
1B	50	-81	91	104	0	-52	23								Tipo di acciaio non contemplato
1C	50	-81	-230	-78	0	39	-57								Tipo di acciaio non contemplato
1D	50	-81	91	-78	0	39	23								Tipo di acciaio non contemplato

1E	50	93	-230	104	0	-52	-57	Tipo di acciaio non contemplato
1F	50	93	91	104	0	-52	23	Tipo di acciaio non contemplato
1G	50	93	-230	-78	0	39	-57	Tipo di acciaio non contemplato
1H	50	93	91	-78	0	39	23	Tipo di acciaio non contemplato
1I	50	-36	-244	82	0	28	-60	Tipo di acciaio non contemplato
1J	50	-36	105	82	0	28	27	Tipo di acciaio non contemplato
1K	50	-36	-244	-55	0	-41	-60	Tipo di acciaio non contemplato
1L	50	-36	105	-55	0	-41	27	Tipo di acciaio non contemplato
1M	50	47	-244	82	0	28	-60	Tipo di acciaio non contemplato
1N	50	47	105	82	0	28	27	Tipo di acciaio non contemplato
1O	50	47	-244	-55	0	-41	-60	Tipo di acciaio non contemplato
1P	50	47	105	-55	0	-41	27	Tipo di acciaio non contemplato
2	50	80	-253	75	0	-36	-62	Tipo di acciaio non contemplato
7	50	75	-178	67	0	-33	-44	Tipo di acciaio non contemplato
8	50	52	-212	55	0	-27	-52	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-81	31	23								Tipo di acciaio non contemplato
1B	-81	31	9								Tipo di acciaio non contemplato
1C	-81	23	23								Tipo di acciaio non contemplato
1D	-81	23	9								Tipo di acciaio non contemplato
1E	93	31	23								Tipo di acciaio non contemplato
1F	93	31	9								Tipo di acciaio non contemplato
1G	93	23	23								Tipo di acciaio non contemplato
1H	93	23	9								Tipo di acciaio non contemplato
1I	-36	17	24								Tipo di acciaio non contemplato
1J	-36	17	11								Tipo di acciaio non contemplato
1K	-36	24	24								Tipo di acciaio non contemplato
1L	-36	24	11								Tipo di acciaio non contemplato
1M	47	17	24								Tipo di acciaio non contemplato
1N	47	17	11								Tipo di acciaio non contemplato
1O	47	24	24								Tipo di acciaio non contemplato
1P	47	24	11								Tipo di acciaio non contemplato
2	80	21	25								Tipo di acciaio non contemplato
7	75	19	18								Tipo di acciaio non contemplato
8	52	16	21								Tipo di acciaio non contemplato

ASTA NUM. 18 NI 75 NF 67 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-121	-267	2	0	0	68								Tipo di acciaio non contemplato
1B	0	-121	110	2	0	0	-27								Tipo di acciaio non contemplato
1C	0	-121	-267	-4	0	0	68								Tipo di acciaio non contemplato
1D	0	-121	110	-4	0	0	-27								Tipo di acciaio non contemplato
1E	0	124	-267	2	0	0	68								Tipo di acciaio non contemplato
1F	0	124	110	2	0	0	-27								Tipo di acciaio non contemplato
1G	0	124	-267	-4	0	0	68								Tipo di acciaio non contemplato
1H	0	124	110	-4	0	0	-27								Tipo di acciaio non contemplato
1I	0	-106	-364	3	0	0	92								Tipo di acciaio non contemplato
1J	0	-106	207	3	0	0	-51								Tipo di acciaio non contemplato
1K	0	-106	-364	-4	0	0	92								Tipo di acciaio non contemplato
1L	0	-106	207	-4	0	0	-51								Tipo di acciaio non contemplato
1M	0	109	-364	3	0	0	92								Tipo di acciaio non contemplato
1N	0	109	207	3	0	0	-51								Tipo di acciaio non contemplato
1O	0	109	-364	-4	0	0	92								Tipo di acciaio non contemplato
1P	0	109	207	-4	0	0	-51								Tipo di acciaio non contemplato
2	0	95	-279	-7	0	0	71								Tipo di acciaio non contemplato
7	0	80	-194	-6	0	0	50								Tipo di acciaio non contemplato
8	0	66	-232	-5	0	0	59								Tipo di acciaio non contemplato
1A	25	-121	-269	2	0	0	0								Tipo di acciaio non contemplato
1B	25	-121	108	2	0	0	0								Tipo di acciaio non contemplato
1C	25	-121	-269	-4	0	0	0								Tipo di acciaio non contemplato
1D	25	-121	108	-4	0	0	0								Tipo di acciaio non contemplato
1E	25	124	-269	2	0	0	0								Tipo di acciaio non contemplato
1F	25	124	108	2	0	0	0								Tipo di acciaio non contemplato
1G	25	124	-269	-4	0	0	0								Tipo di acciaio non contemplato
1H	25	124	108	-4	0	0	0								Tipo di acciaio non contemplato
1I	25	-106	-366	3	0	0	0								Tipo di acciaio non contemplato
1J	25	-106	205	3	0	0	0								Tipo di acciaio non contemplato
1K	25	-106	-366	-4	0	0	0								Tipo di acciaio non contemplato
1L	25	-106	205	-4	0	0	0								Tipo di acciaio non contemplato
1M	25	109	-366	3	0	0	0								Tipo di acciaio non contemplato
1N	25	109	205	3	0	0	0								Tipo di acciaio non contemplato
1O	25	109	-366	-4	0	0	0								Tipo di acciaio non contemplato
1P	25	109	205	-4	0	0	0								Tipo di acciaio non contemplato
2	25	95	-282	-7	0	0	0								Tipo di acciaio non contemplato
7	25	80	-197	-6	0	0	0								Tipo di acciaio non contemplato
8	25	66	-235	-5	0	0	0								Tipo di acciaio non contemplato
1A	50	-121	-272	2	0	0	-67								Tipo di acciaio non contemplato
1B	50	-121	106	2	0	0	27								Tipo di acciaio non contemplato

1C	50	-121	-272	-4	0	2	-67					Tipo di acciaio non contemplato
1D	50	-121	106	-4	0	2	27					Tipo di acciaio non contemplato
1E	50	124	-272	2	0	0	-67					Tipo di acciaio non contemplato
1F	50	124	106	2	0	0	27					Tipo di acciaio non contemplato
1G	50	124	-272	-4	0	2	-67					Tipo di acciaio non contemplato
1H	50	124	106	-4	0	2	27					Tipo di acciaio non contemplato
1I	50	-106	-369	3	0	0	-91					Tipo di acciaio non contemplato
1J	50	-106	203	3	0	0	51					Tipo di acciaio non contemplato
1K	50	-106	-369	-4	0	2	-91					Tipo di acciaio non contemplato
1L	50	-106	203	-4	0	2	51					Tipo di acciaio non contemplato
1M	50	109	-369	3	0	0	-91					Tipo di acciaio non contemplato
1N	50	109	203	3	0	0	51					Tipo di acciaio non contemplato
1O	50	109	-369	-4	0	2	-91					Tipo di acciaio non contemplato
1P	50	109	203	-4	0	2	51					Tipo di acciaio non contemplato
2	50	95	-285	-7	0	2	-70					Tipo di acciaio non contemplato
7	50	80	-200	-6	0	2	-49					Tipo di acciaio non contemplato
8	50	66	-238	-5	0	2	-58					Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-121	0	27								Tipo di acciaio non contemplato
1B	-121	0	11								Tipo di acciaio non contemplato
1C	-121	1	27								Tipo di acciaio non contemplato
1D	-121	1	11								Tipo di acciaio non contemplato
1E	124	0	27								Tipo di acciaio non contemplato
1F	124	0	11								Tipo di acciaio non contemplato
1G	124	1	27								Tipo di acciaio non contemplato
1H	124	1	11								Tipo di acciaio non contemplato
1I	-106	0	37								Tipo di acciaio non contemplato
1J	-106	0	21								Tipo di acciaio non contemplato
1K	-106	1	37								Tipo di acciaio non contemplato
1L	-106	1	21								Tipo di acciaio non contemplato
1M	109	0	37								Tipo di acciaio non contemplato
1N	109	0	21								Tipo di acciaio non contemplato
1O	109	1	37								Tipo di acciaio non contemplato
1P	109	1	21								Tipo di acciaio non contemplato
2	95	1	28								Tipo di acciaio non contemplato
7	80	1	20								Tipo di acciaio non contemplato
8	66	1	24								Tipo di acciaio non contemplato

ASTA NUM. 19 NI 115 NF 107 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-271	-222	7	0	1	58								Tipo di acciaio non contemplato
1B	0	-271	168	7	0	1	-43								Tipo di acciaio non contemplato
1C	0	-271	-222	-11	0	-2	58								Tipo di acciaio non contemplato
1D	0	-271	168	-11	0	-2	-43								Tipo di acciaio non contemplato
1E	0	297	-222	7	0	1	58								Tipo di acciaio non contemplato
1F	0	297	168	7	0	1	-43								Tipo di acciaio non contemplato
1G	0	297	-222	-11	0	-2	58								Tipo di acciaio non contemplato
1H	0	297	168	-11	0	-2	-43								Tipo di acciaio non contemplato
1I	0	-659	-481	5	0	0	125								Tipo di acciaio non contemplato
1J	0	-659	428	5	0	0	-110								Tipo di acciaio non contemplato
1K	0	-659	-481	-9	0	-1	125								Tipo di acciaio non contemplato
1L	0	-659	428	-9	0	-1	-110								Tipo di acciaio non contemplato
1M	0	685	-481	5	0	0	125								Tipo di acciaio non contemplato
1N	0	685	428	5	0	0	-110								Tipo di acciaio non contemplato
1O	0	685	-481	-9	0	-1	125								Tipo di acciaio non contemplato
1P	0	685	428	-9	0	-1	-110								Tipo di acciaio non contemplato
2	0	542	-47	-7	0	0	10								Tipo di acciaio non contemplato
7	0	408	-21	-6	0	0	5								Tipo di acciaio non contemplato
8	0	380	-47	-5	0	0	11								Tipo di acciaio non contemplato
1A	25	-271	-224	7	0	0	2								Tipo di acciaio non contemplato
1B	25	-271	166	7	0	0	0								Tipo di acciaio non contemplato
1C	25	-271	-224	-11	0	0	2								Tipo di acciaio non contemplato
1D	25	-271	166	-11	0	0	0								Tipo di acciaio non contemplato
1E	25	297	-224	7	0	0	2								Tipo di acciaio non contemplato
1F	25	297	166	7	0	0	0								Tipo di acciaio non contemplato
1G	25	297	-224	-11	0	0	2								Tipo di acciaio non contemplato
1H	25	297	166	-11	0	0	0								Tipo di acciaio non contemplato
1I	25	-659	-483	5	0	0	4								Tipo di acciaio non contemplato
1J	25	-659	425	5	0	0	-3								Tipo di acciaio non contemplato
1K	25	-659	-483	-9	0	0	4								Tipo di acciaio non contemplato
1L	25	-659	425	-9	0	0	-3								Tipo di acciaio non contemplato
1M	25	685	-483	5	0	0	4								Tipo di acciaio non contemplato
1N	25	685	425	5	0	0	-3								Tipo di acciaio non contemplato
1O	25	685	-483	-9	0	0	4								Tipo di acciaio non contemplato
1P	25	685	425	-9	0	0	-3								Tipo di acciaio non contemplato
2	25	542	-50	-7	0	0	-2								Tipo di acciaio non contemplato
7	25	408	-24	-6	0	0	-1								Tipo di acciaio non contemplato
8	25	380	-50	-5	0	0	-1								Tipo di acciaio non contemplato

1A	50	-271	-226	7	0	-2	-54	Tipo di acciaio non contemplato
1B	50	-271	164	7	0	-2	40	Tipo di acciaio non contemplato
1C	50	-271	-226	-11	0	4	-54	Tipo di acciaio non contemplato
1D	50	-271	164	-11	0	4	40	Tipo di acciaio non contemplato
1E	50	297	-226	7	0	-2	-54	Tipo di acciaio non contemplato
1F	50	297	164	7	0	-2	40	Tipo di acciaio non contemplato
1G	50	297	-226	-11	0	4	-54	Tipo di acciaio non contemplato
1H	50	297	164	-11	0	4	40	Tipo di acciaio non contemplato
1I	50	-659	-486	5	0	-2	-117	Tipo di acciaio non contemplato
1J	50	-659	423	5	0	-2	103	Tipo di acciaio non contemplato
1K	50	-659	-486	-9	0	3	-117	Tipo di acciaio non contemplato
1L	50	-659	423	-9	0	3	103	Tipo di acciaio non contemplato
1M	50	685	-486	5	0	-2	-117	Tipo di acciaio non contemplato
1N	50	685	423	5	0	-2	103	Tipo di acciaio non contemplato
1O	50	685	-486	-9	0	3	-117	Tipo di acciaio non contemplato
1P	50	685	423	-9	0	3	103	Tipo di acciaio non contemplato
2	50	542	-53	-7	0	2	-15	Tipo di acciaio non contemplato
7	50	408	-27	-6	0	2	-7	Tipo di acciaio non contemplato
8	50	380	-53	-5	0	2	-14	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-271	1	23								Tipo di acciaio non contemplato
1B	-271	1	17								Tipo di acciaio non contemplato
1C	-271	1	23								Tipo di acciaio non contemplato
1D	-271	1	17								Tipo di acciaio non contemplato
1E	297	1	23								Tipo di acciaio non contemplato
1F	297	1	17								Tipo di acciaio non contemplato
1G	297	1	23								Tipo di acciaio non contemplato
1H	297	1	17								Tipo di acciaio non contemplato
1I	-659	1	50								Tipo di acciaio non contemplato
1J	-659	1	44								Tipo di acciaio non contemplato
1K	-659	1	50								Tipo di acciaio non contemplato
1L	-659	1	44								Tipo di acciaio non contemplato
1M	685	1	50								Tipo di acciaio non contemplato
1N	685	1	44								Tipo di acciaio non contemplato
1O	685	1	50								Tipo di acciaio non contemplato
1P	685	1	44								Tipo di acciaio non contemplato
2	542	1	6								Tipo di acciaio non contemplato
7	408	1	3								Tipo di acciaio non contemplato
8	380	1	6								Tipo di acciaio non contemplato

ASTA NUM. 20 NI 155 NF 147 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-227	-194	144	0	1	51								Tipo di acciaio non contemplato
1B	0	-227	209	144	0	1	-51								Tipo di acciaio non contemplato
1C	0	-227	-194	-170	0	-2	51								Tipo di acciaio non contemplato
1D	0	-227	209	-170	0	-2	-51								Tipo di acciaio non contemplato
1E	0	-28	-194	144	0	1	51								Tipo di acciaio non contemplato
1F	0	-28	209	144	0	1	-51								Tipo di acciaio non contemplato
1G	0	-28	-194	-170	0	-2	51								Tipo di acciaio non contemplato
1H	0	-28	209	-170	0	-2	-51								Tipo di acciaio non contemplato
1I	0	-225	-473	139	0	2	120								Tipo di acciaio non contemplato
1J	0	-225	489	139	0	2	-121								Tipo di acciaio non contemplato
1K	0	-225	-473	-164	0	-2	120								Tipo di acciaio non contemplato
1L	0	-225	489	-164	0	-2	-121								Tipo di acciaio non contemplato
1M	0	-30	-473	139	0	2	120								Tipo di acciaio non contemplato
1N	0	-30	489	139	0	2	-121								Tipo di acciaio non contemplato
1O	0	-30	-473	-164	0	-2	120								Tipo di acciaio non contemplato
1P	0	-30	489	-164	0	-2	-121								Tipo di acciaio non contemplato
2	0	-73	8	-6	0	0	0								Tipo di acciaio non contemplato
7	0	-77	8	-5	0	0	0								Tipo di acciaio non contemplato
8	0	-101	7	-10	0	0	0								Tipo di acciaio non contemplato
1A	25	-227	-196	144	0	-35	2								Tipo di acciaio non contemplato
1B	25	-227	207	144	0	-35	0								Tipo di acciaio non contemplato
1C	25	-227	-196	-170	0	40	2								Tipo di acciaio non contemplato
1D	25	-227	207	-170	0	40	0								Tipo di acciaio non contemplato
1E	25	-28	-196	144	0	-35	2								Tipo di acciaio non contemplato
1F	25	-28	207	144	0	-35	0								Tipo di acciaio non contemplato
1G	25	-28	-196	-170	0	40	2								Tipo di acciaio non contemplato
1H	25	-28	207	-170	0	40	0								Tipo di acciaio non contemplato
1I	25	-225	-475	139	0	-33	1								Tipo di acciaio non contemplato
1J	25	-225	486	139	0	-33	1								Tipo di acciaio non contemplato
1K	25	-225	-475	-164	0	39	1								Tipo di acciaio non contemplato
1L	25	-225	486	-164	0	39	1								Tipo di acciaio non contemplato
1M	25	-30	-475	139	0	-33	1								Tipo di acciaio non contemplato
1N	25	-30	486	139	0	-33	1								Tipo di acciaio non contemplato
1O	25	-30	-475	-164	0	39	1								Tipo di acciaio non contemplato
1P	25	-30	486	-164	0	39	1								Tipo di acciaio non contemplato
2	25	-73	5	-6	0	1	1								Tipo di acciaio non contemplato
7	25	-77	5	-5	0	1	2								Tipo di acciaio non contemplato

8	25	-101	4	-10	0	2	2	Tipo di acciaio non contemplato
1A	50	-227	-198	144	0	-71	-48	Tipo di acciaio non contemplato
1B	50	-227	205	144	0	-71	52	Tipo di acciaio non contemplato
1C	50	-227	-198	-170	0	83	-48	Tipo di acciaio non contemplato
1D	50	-227	205	-170	0	83	52	Tipo di acciaio non contemplato
1E	50	-28	-198	144	0	-71	-48	Tipo di acciaio non contemplato
1F	50	-28	205	144	0	-71	52	Tipo di acciaio non contemplato
1G	50	-28	-198	-170	0	83	-48	Tipo di acciaio non contemplato
1H	50	-28	205	-170	0	83	52	Tipo di acciaio non contemplato
1I	50	-225	-478	139	0	-68	-118	Tipo di acciaio non contemplato
1J	50	-225	484	139	0	-68	122	Tipo di acciaio non contemplato
1K	50	-225	-478	-164	0	80	-118	Tipo di acciaio non contemplato
1L	50	-225	484	-164	0	80	122	Tipo di acciaio non contemplato
1M	50	-30	-478	139	0	-68	-118	Tipo di acciaio non contemplato
1N	50	-30	484	139	0	-68	122	Tipo di acciaio non contemplato
1O	50	-30	-478	-164	0	80	-118	Tipo di acciaio non contemplato
1P	50	-30	484	-164	0	80	122	Tipo di acciaio non contemplato
2	50	-73	2	-6	0	3	2	Tipo di acciaio non contemplato
7	50	-77	2	-5	0	2	2	Tipo di acciaio non contemplato
8	50	-101	1	-10	0	5	2	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-227	42	20								Tipo di acciaio non contemplato
1B	-227	42	21								Tipo di acciaio non contemplato
1C	-227	49	20								Tipo di acciaio non contemplato
1D	-227	49	21								Tipo di acciaio non contemplato
1E	-28	42	20								Tipo di acciaio non contemplato
1F	-28	42	21								Tipo di acciaio non contemplato
1G	-28	49	20								Tipo di acciaio non contemplato
1H	-28	49	21								Tipo di acciaio non contemplato
1I	-225	40	48								Tipo di acciaio non contemplato
1J	-225	40	49								Tipo di acciaio non contemplato
1K	-225	47	48								Tipo di acciaio non contemplato
1L	-225	47	49								Tipo di acciaio non contemplato
1M	-30	40	48								Tipo di acciaio non contemplato
1N	-30	40	49								Tipo di acciaio non contemplato
1O	-30	47	48								Tipo di acciaio non contemplato
1P	-30	47	49								Tipo di acciaio non contemplato
2	-73	2	1								Tipo di acciaio non contemplato
7	-77	1	1								Tipo di acciaio non contemplato
8	-101	3	1								Tipo di acciaio non contemplato

ASTA NUM. 21 NI 175 NF 167 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-282	-374	118	0	2	96								Tipo di acciaio non contemplato
1B	0	-282	377	118	0	2	-94								Tipo di acciaio non contemplato
1C	0	-282	-374	-125	0	-2	96								Tipo di acciaio non contemplato
1D	0	-282	377	-125	0	-2	-94								Tipo di acciaio non contemplato
1E	0	218	-374	118	0	2	96								Tipo di acciaio non contemplato
1F	0	218	377	118	0	2	-94								Tipo di acciaio non contemplato
1G	0	218	-374	-125	0	-2	96								Tipo di acciaio non contemplato
1H	0	218	377	-125	0	-2	-94								Tipo di acciaio non contemplato
1I	0	-303	-627	104	0	1	159								Tipo di acciaio non contemplato
1J	0	-303	630	104	0	1	-157								Tipo di acciaio non contemplato
1K	0	-303	-627	-111	0	-1	159								Tipo di acciaio non contemplato
1L	0	-303	630	-111	0	-1	-157								Tipo di acciaio non contemplato
1M	0	239	-627	104	0	1	159								Tipo di acciaio non contemplato
1N	0	239	630	104	0	1	-157								Tipo di acciaio non contemplato
1O	0	239	-627	-111	0	-1	159								Tipo di acciaio non contemplato
1P	0	239	630	-111	0	-1	-157								Tipo di acciaio non contemplato
2	0	-66	-129	-7	0	0	34								Tipo di acciaio non contemplato
7	0	-68	-130	-6	0	0	34								Tipo di acciaio non contemplato
8	0	-58	-91	-6	0	0	24								Tipo di acciaio non contemplato
1A	25	-282	-376	118	0	-28	2								Tipo di acciaio non contemplato
1B	25	-282	375	118	0	-28	0								Tipo di acciaio non contemplato
1C	25	-282	-376	-125	0	29	2								Tipo di acciaio non contemplato
1D	25	-282	375	-125	0	29	0								Tipo di acciaio non contemplato
1E	25	218	-376	118	0	-28	2								Tipo di acciaio non contemplato
1F	25	218	375	118	0	-28	0								Tipo di acciaio non contemplato
1G	25	218	-376	-125	0	29	2								Tipo di acciaio non contemplato
1H	25	218	375	-125	0	29	0								Tipo di acciaio non contemplato
1I	25	-303	-629	104	0	-25	2								Tipo di acciaio non contemplato
1J	25	-303	628	104	0	-25	0								Tipo di acciaio non contemplato
1K	25	-303	-629	-111	0	26	2								Tipo di acciaio non contemplato
1L	25	-303	628	-111	0	26	0								Tipo di acciaio non contemplato
1M	25	239	-629	104	0	-25	2								Tipo di acciaio non contemplato
1N	25	239	628	104	0	-25	0								Tipo di acciaio non contemplato
1O	25	239	-629	-111	0	26	2								Tipo di acciaio non contemplato
1P	25	239	628	-111	0	26	0								Tipo di acciaio non contemplato

2	25	-66	-132	-7	0	2	2	Tipo di acciaio non contemplato
7	25	-68	-133	-6	0	1	2	Tipo di acciaio non contemplato
8	25	-58	-93	-6	0	2	1	Tipo di acciaio non contemplato
1A	50	-282	-379	118	0	-57	-93	Tipo di acciaio non contemplato
1B	50	-282	372	118	0	-57	94	Tipo di acciaio non contemplato
1C	50	-282	-379	-125	0	60	-93	Tipo di acciaio non contemplato
1D	50	-282	372	-125	0	60	94	Tipo di acciaio non contemplato
1E	50	218	-379	118	0	-57	-93	Tipo di acciaio non contemplato
1F	50	218	372	118	0	-57	94	Tipo di acciaio non contemplato
1G	50	218	-379	-125	0	60	-93	Tipo di acciaio non contemplato
1H	50	218	372	-125	0	60	94	Tipo di acciaio non contemplato
1I	50	-303	-632	104	0	-51	-156	Tipo di acciaio non contemplato
1J	50	-303	626	104	0	-51	157	Tipo di acciaio non contemplato
1K	50	-303	-632	-111	0	54	-156	Tipo di acciaio non contemplato
1L	50	-303	626	-111	0	54	157	Tipo di acciaio non contemplato
1M	50	239	-632	104	0	-51	-156	Tipo di acciaio non contemplato
1N	50	239	626	104	0	-51	157	Tipo di acciaio non contemplato
1O	50	239	-632	-111	0	54	-156	Tipo di acciaio non contemplato
1P	50	239	626	-111	0	54	157	Tipo di acciaio non contemplato
2	50	-66	-135	-7	0	3	-32	Tipo di acciaio non contemplato
7	50	-68	-136	-6	0	3	-32	Tipo di acciaio non contemplato
8	50	-58	-96	-6	0	3	-22	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-282	34	38								Tipo di acciaio non contemplato
1B	-282	34	38								Tipo di acciaio non contemplato
1C	-282	35	38								Tipo di acciaio non contemplato
1D	-282	35	38								Tipo di acciaio non contemplato
1E	218	34	38								Tipo di acciaio non contemplato
1F	218	34	38								Tipo di acciaio non contemplato
1G	218	35	38								Tipo di acciaio non contemplato
1H	218	35	38								Tipo di acciaio non contemplato
1I	-303	30	64								Tipo di acciaio non contemplato
1J	-303	30	63								Tipo di acciaio non contemplato
1K	-303	32	64								Tipo di acciaio non contemplato
1L	-303	32	63								Tipo di acciaio non contemplato
1M	239	30	64								Tipo di acciaio non contemplato
1N	239	30	63								Tipo di acciaio non contemplato
1O	239	32	64								Tipo di acciaio non contemplato
1P	239	32	63								Tipo di acciaio non contemplato
2	-66	2	14								Tipo di acciaio non contemplato
7	-68	2	14								Tipo di acciaio non contemplato
8	-58	2	10								Tipo di acciaio non contemplato

ASTA NUM. 22 NI 34 NF 26 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-62	-267	120	0	0	67								Tipo di acciaio non contemplato
1B	0	-62	106	120	0	0	-26								Tipo di acciaio non contemplato
1C	0	-62	-267	-86	0	0	67								Tipo di acciaio non contemplato
1D	0	-62	106	-86	0	0	-26								Tipo di acciaio non contemplato
1E	0	160	-267	120	0	0	67								Tipo di acciaio non contemplato
1F	0	160	106	120	0	0	-26								Tipo di acciaio non contemplato
1G	0	160	-267	-86	0	0	67								Tipo di acciaio non contemplato
1H	0	160	106	-86	0	0	-26								Tipo di acciaio non contemplato
1I	0	-2	-274	88	0	0	69								Tipo di acciaio non contemplato
1J	0	-2	113	88	0	0	-28								Tipo di acciaio non contemplato
1K	0	-2	-274	-54	0	0	69								Tipo di acciaio non contemplato
1L	0	-2	113	-54	0	0	-28								Tipo di acciaio non contemplato
1M	0	100	-274	88	0	0	69								Tipo di acciaio non contemplato
1N	0	100	113	88	0	0	-28								Tipo di acciaio non contemplato
1O	0	100	-274	-54	0	0	69								Tipo di acciaio non contemplato
1P	0	100	113	-54	0	0	-28								Tipo di acciaio non contemplato
2	0	434	-402	93	0	0	101								Tipo di acciaio non contemplato
7	0	396	-310	82	0	0	78								Tipo di acciaio non contemplato
8	0	327	-322	68	0	0	81								Tipo di acciaio non contemplato
1A	25	-62	-269	120	0	22	0								Tipo di acciaio non contemplato
1B	25	-62	104	120	0	22	0								Tipo di acciaio non contemplato
1C	25	-62	-269	-86	0	-30	0								Tipo di acciaio non contemplato
1D	25	-62	104	-86	0	-30	0								Tipo di acciaio non contemplato
1E	25	160	-269	120	0	22	0								Tipo di acciaio non contemplato
1F	25	160	104	120	0	22	0								Tipo di acciaio non contemplato
1G	25	160	-269	-86	0	-30	0								Tipo di acciaio non contemplato
1H	25	160	104	-86	0	-30	0								Tipo di acciaio non contemplato
1I	25	-2	-276	88	0	14	0								Tipo di acciaio non contemplato
1J	25	-2	111	88	0	14	0								Tipo di acciaio non contemplato
1K	25	-2	-276	-54	0	-23	0								Tipo di acciaio non contemplato
1L	25	-2	111	-54	0	-23	0								Tipo di acciaio non contemplato
1M	25	100	-276	88	0	14	0								Tipo di acciaio non contemplato
1N	25	100	111	88	0	14	0								Tipo di acciaio non contemplato

1O	25	100	-276	-54	0	-23	0		Tipo di acciaio non contemplato
1P	25	100	111	-54	0	-23	0		Tipo di acciaio non contemplato
2	25	434	-404	93	0	-23	0		Tipo di acciaio non contemplato
7	25	396	-312	82	0	-21	0		Tipo di acciaio non contemplato
8	25	327	-325	68	0	-17	0		Tipo di acciaio non contemplato
1A	50	-62	-271	120	0	44	-67		Tipo di acciaio non contemplato
1B	50	-62	102	120	0	44	26		Tipo di acciaio non contemplato
1C	50	-62	-271	-86	0	-60	-67		Tipo di acciaio non contemplato
1D	50	-62	102	-86	0	-60	26		Tipo di acciaio non contemplato
1E	50	160	-271	120	0	44	-67		Tipo di acciaio non contemplato
1F	50	160	102	120	0	44	26		Tipo di acciaio non contemplato
1G	50	160	-271	-86	0	-60	-67		Tipo di acciaio non contemplato
1H	50	160	102	-86	0	-60	26		Tipo di acciaio non contemplato
1I	50	-2	-278	88	0	28	-69		Tipo di acciaio non contemplato
1J	50	-2	109	88	0	28	28		Tipo di acciaio non contemplato
1K	50	-2	-278	-54	0	-45	-69		Tipo di acciaio non contemplato
1L	50	-2	109	-54	0	-45	28		Tipo di acciaio non contemplato
1M	50	100	-278	88	0	28	-69		Tipo di acciaio non contemplato
1N	50	100	109	88	0	28	28		Tipo di acciaio non contemplato
1O	50	100	-278	-54	0	-45	-69		Tipo di acciaio non contemplato
1P	50	100	109	-54	0	-45	28		Tipo di acciaio non contemplato
2	50	434	-407	93	0	-46	-101		Tipo di acciaio non contemplato
7	50	396	-315	82	0	-41	-78		Tipo di acciaio non contemplato
8	50	327	-328	68	0	-34	-81		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-62	26	27								Tipo di acciaio non contemplato
1B	-62	26	10								Tipo di acciaio non contemplato
1C	-62	36	27								Tipo di acciaio non contemplato
1D	-62	36	10								Tipo di acciaio non contemplato
1E	160	26	27								Tipo di acciaio non contemplato
1F	160	26	10								Tipo di acciaio non contemplato
1G	160	36	27								Tipo di acciaio non contemplato
1H	160	36	10								Tipo di acciaio non contemplato
1I	-2	17	28								Tipo di acciaio non contemplato
1J	-2	17	11								Tipo di acciaio non contemplato
1K	-2	27	28								Tipo di acciaio non contemplato
1L	-2	27	11								Tipo di acciaio non contemplato
1M	100	17	28								Tipo di acciaio non contemplato
1N	100	17	11								Tipo di acciaio non contemplato
1O	100	27	28								Tipo di acciaio non contemplato
1P	100	27	11								Tipo di acciaio non contemplato
2	434	28	40								Tipo di acciaio non contemplato
7	396	25	31								Tipo di acciaio non contemplato
8	327	20	33								Tipo di acciaio non contemplato

ASTA NUM. 23 NI 74 NF 66 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-10	-331	57	0	0	83								Tipo di acciaio non contemplato
1B	0	-10	129	57	0	0	-32								Tipo di acciaio non contemplato
1C	0	-10	-331	-68	0	0	83								Tipo di acciaio non contemplato
1D	0	-10	129	-68	0	0	-32								Tipo di acciaio non contemplato
1E	0	174	-331	57	0	0	83								Tipo di acciaio non contemplato
1F	0	174	129	57	0	0	-32								Tipo di acciaio non contemplato
1G	0	174	-331	-68	0	0	83								Tipo di acciaio non contemplato
1H	0	174	129	-68	0	0	-32								Tipo di acciaio non contemplato
1I	0	7	-431	42	0	0	108								Tipo di acciaio non contemplato
1J	0	7	229	42	0	0	-57								Tipo di acciaio non contemplato
1K	0	7	-431	-53	0	0	108								Tipo di acciaio non contemplato
1L	0	7	229	-53	0	0	-57								Tipo di acciaio non contemplato
1M	0	156	-431	42	0	0	108								Tipo di acciaio non contemplato
1N	0	156	229	42	0	0	-57								Tipo di acciaio non contemplato
1O	0	156	-431	-53	0	0	108								Tipo di acciaio non contemplato
1P	0	156	229	-53	0	0	-57								Tipo di acciaio non contemplato
2	0	667	-493	-30	0	-1	124								Tipo di acciaio non contemplato
7	0	607	-386	-24	0	0	97								Tipo di acciaio non contemplato
8	0	499	-391	-24	0	0	98								Tipo di acciaio non contemplato
1A	25	-10	-333	57	0	17	0								Tipo di acciaio non contemplato
1B	25	-10	127	57	0	17	0								Tipo di acciaio non contemplato
1C	25	-10	-333	-68	0	-15	0								Tipo di acciaio non contemplato
1D	25	-10	127	-68	0	-15	0								Tipo di acciaio non contemplato
1E	25	174	-333	57	0	17	0								Tipo di acciaio non contemplato
1F	25	174	127	57	0	17	0								Tipo di acciaio non contemplato
1G	25	174	-333	-68	0	-15	0								Tipo di acciaio non contemplato
1H	25	174	127	-68	0	-15	0								Tipo di acciaio non contemplato
1I	25	7	-433	42	0	14	0								Tipo di acciaio non contemplato
1J	25	7	226	42	0	14	0								Tipo di acciaio non contemplato
1K	25	7	-433	-53	0	-11	0								Tipo di acciaio non contemplato
1L	25	7	226	-53	0	-11	0								Tipo di acciaio non contemplato

1M	25	156	-433	42	0	14	0	Tipo di acciaio non contemplato
1N	25	156	226	42	0	14	0	Tipo di acciaio non contemplato
1O	25	156	-433	-53	0	-11	0	Tipo di acciaio non contemplato
1P	25	156	226	-53	0	-11	0	Tipo di acciaio non contemplato
2	25	667	-496	-30	0	7	0	Tipo di acciaio non contemplato
7	25	607	-389	-24	0	5	0	Tipo di acciaio non contemplato
8	25	499	-394	-24	0	5	0	Tipo di acciaio non contemplato
1A	50	-10	-335	57	0	34	-84	Tipo di acciaio non contemplato
1B	50	-10	124	57	0	34	32	Tipo di acciaio non contemplato
1C	50	-10	-335	-68	0	-29	-84	Tipo di acciaio non contemplato
1D	50	-10	124	-68	0	-29	32	Tipo di acciaio non contemplato
1E	50	174	-335	57	0	34	-84	Tipo di acciaio non contemplato
1F	50	174	124	57	0	34	32	Tipo di acciaio non contemplato
1G	50	174	-335	-68	0	-29	-84	Tipo di acciaio non contemplato
1H	50	174	124	-68	0	-29	32	Tipo di acciaio non contemplato
1I	50	7	-435	42	0	27	-108	Tipo di acciaio non contemplato
1J	50	7	224	42	0	27	56	Tipo di acciaio non contemplato
1K	50	7	-435	-53	0	-21	-108	Tipo di acciaio non contemplato
1L	50	7	224	-53	0	-21	56	Tipo di acciaio non contemplato
1M	50	156	-435	42	0	27	-108	Tipo di acciaio non contemplato
1N	50	156	224	42	0	27	56	Tipo di acciaio non contemplato
1O	50	156	-435	-53	0	-21	-108	Tipo di acciaio non contemplato
1P	50	156	224	-53	0	-21	56	Tipo di acciaio non contemplato
2	50	667	-498	-30	0	14	-124	Tipo di acciaio non contemplato
7	50	607	-392	-24	0	11	-97	Tipo di acciaio non contemplato
8	50	499	-397	-24	0	11	-99	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-10	21	33								Tipo di acciaio non contemplato
1B	-10	21	13								Tipo di acciaio non contemplato
1C	-10	18	33								Tipo di acciaio non contemplato
1D	-10	18	13								Tipo di acciaio non contemplato
1E	174	21	33								Tipo di acciaio non contemplato
1F	174	21	13								Tipo di acciaio non contemplato
1G	174	18	33								Tipo di acciaio non contemplato
1H	174	18	13								Tipo di acciaio non contemplato
1I	7	16	43								Tipo di acciaio non contemplato
1J	7	16	23								Tipo di acciaio non contemplato
1K	7	13	43								Tipo di acciaio non contemplato
1L	7	13	23								Tipo di acciaio non contemplato
1M	156	16	43								Tipo di acciaio non contemplato
1N	156	16	23								Tipo di acciaio non contemplato
1O	156	13	43								Tipo di acciaio non contemplato
1P	156	13	23								Tipo di acciaio non contemplato
2	667	8	50								Tipo di acciaio non contemplato
7	607	6	39								Tipo di acciaio non contemplato
8	499	6	39								Tipo di acciaio non contemplato

ASTA NUM. 24 NI 114 NF 106 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1	-281	77	0	0	71								Tipo di acciaio non contemplato
1B	0	-1	224	77	0	0	-56								Tipo di acciaio non contemplato
1C	0	-1	-281	-93	0	-1	71								Tipo di acciaio non contemplato
1D	0	-1	224	-93	0	-1	-56								Tipo di acciaio non contemplato
1E	0	158	-281	77	0	0	71								Tipo di acciaio non contemplato
1F	0	158	224	77	0	0	-56								Tipo di acciaio non contemplato
1G	0	158	-281	-93	0	-1	71								Tipo di acciaio non contemplato
1H	0	158	224	-93	0	-1	-56								Tipo di acciaio non contemplato
1I	0	-20	-600	52	0	0	151								Tipo di acciaio non contemplato
1J	0	-20	544	52	0	0	-136								Tipo di acciaio non contemplato
1K	0	-20	-600	-69	0	-1	151								Tipo di acciaio non contemplato
1L	0	-20	544	-69	0	-1	-136								Tipo di acciaio non contemplato
1M	0	177	-600	52	0	0	151								Tipo di acciaio non contemplato
1N	0	177	544	52	0	0	-136								Tipo di acciaio non contemplato
1O	0	177	-600	-69	0	-1	151								Tipo di acciaio non contemplato
1P	0	177	544	-69	0	-1	-136								Tipo di acciaio non contemplato
2	0	502	-136	-28	0	-1	34								Tipo di acciaio non contemplato
7	0	486	-116	-21	0	0	30								Tipo di acciaio non contemplato
8	0	383	-110	-23	0	0	28								Tipo di acciaio non contemplato
1A	25	-1	-283	77	0	-19	0								Tipo di acciaio non contemplato
1B	25	-1	222	77	0	-19	0								Tipo di acciaio non contemplato
1C	25	-1	-283	-93	0	23	0								Tipo di acciaio non contemplato
1D	25	-1	222	-93	0	23	0								Tipo di acciaio non contemplato
1E	25	158	-283	77	0	-19	0								Tipo di acciaio non contemplato
1F	25	158	222	77	0	-19	0								Tipo di acciaio non contemplato
1G	25	158	-283	-93	0	23	0								Tipo di acciaio non contemplato
1H	25	158	222	-93	0	23	0								Tipo di acciaio non contemplato
1I	25	-20	-602	52	0	17	0								Tipo di acciaio non contemplato
1J	25	-20	542	52	0	17	0								Tipo di acciaio non contemplato

1K	25	-20	-602	-69	0	-14	0	Tipo di acciaio non contemplato
1L	25	-20	542	-69	0	-14	0	Tipo di acciaio non contemplato
1M	25	177	-602	52	0	17	0	Tipo di acciaio non contemplato
1N	25	177	542	52	0	17	0	Tipo di acciaio non contemplato
1O	25	177	-602	-69	0	-14	0	Tipo di acciaio non contemplato
1P	25	177	542	-69	0	-14	0	Tipo di acciaio non contemplato
2	25	502	-139	-28	0	6	0	Tipo di acciaio non contemplato
7	25	486	-119	-21	0	4	0	Tipo di acciaio non contemplato
8	25	383	-113	-23	0	5	0	Tipo di acciaio non contemplato
1A	50	-1	-285	77	0	-38	-71	Tipo di acciaio non contemplato
1B	50	-1	220	77	0	-38	55	Tipo di acciaio non contemplato
1C	50	-1	-285	-93	0	46	-71	Tipo di acciaio non contemplato
1D	50	-1	220	-93	0	46	55	Tipo di acciaio non contemplato
1E	50	158	-285	77	0	-38	-71	Tipo di acciaio non contemplato
1F	50	158	220	77	0	-38	55	Tipo di acciaio non contemplato
1G	50	158	-285	-93	0	46	-71	Tipo di acciaio non contemplato
1H	50	158	220	-93	0	46	55	Tipo di acciaio non contemplato
1I	50	-20	-605	52	0	34	-151	Tipo di acciaio non contemplato
1J	50	-20	539	52	0	34	135	Tipo di acciaio non contemplato
1K	50	-20	-605	-69	0	-26	-151	Tipo di acciaio non contemplato
1L	50	-20	539	-69	0	-26	135	Tipo di acciaio non contemplato
1M	50	177	-605	52	0	34	-151	Tipo di acciaio non contemplato
1N	50	177	539	52	0	34	135	Tipo di acciaio non contemplato
1O	50	177	-605	-69	0	-26	-151	Tipo di acciaio non contemplato
1P	50	177	539	-69	0	-26	135	Tipo di acciaio non contemplato
2	50	502	-142	-28	0	13	-35	Tipo di acciaio non contemplato
7	50	486	-122	-21	0	10	-30	Tipo di acciaio non contemplato
8	50	383	-116	-23	0	11	-29	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-1	23	28								Tipo di acciaio non contemplato
1B	-1	23	22								Tipo di acciaio non contemplato
1C	-1	27	28								Tipo di acciaio non contemplato
1D	-1	27	22								Tipo di acciaio non contemplato
1E	158	23	28								Tipo di acciaio non contemplato
1F	158	23	22								Tipo di acciaio non contemplato
1G	158	27	28								Tipo di acciaio non contemplato
1H	158	27	22								Tipo di acciaio non contemplato
1I	-20	21	60								Tipo di acciaio non contemplato
1J	-20	21	54								Tipo di acciaio non contemplato
1K	-20	16	60								Tipo di acciaio non contemplato
1L	-20	16	54								Tipo di acciaio non contemplato
1M	177	21	60								Tipo di acciaio non contemplato
1N	177	21	54								Tipo di acciaio non contemplato
1O	177	16	60								Tipo di acciaio non contemplato
1P	177	16	54								Tipo di acciaio non contemplato
2	502	7	14								Tipo di acciaio non contemplato
7	486	5	12								Tipo di acciaio non contemplato
8	383	6	11								Tipo di acciaio non contemplato

ASTA NUM. 25 NI 154 NF 146 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17	-238	96	0	0	60							Tipo di acciaio non contemplato
1B	0	-17	228	96	0	0	-57							Tipo di acciaio non contemplato
1C	0	-17	-238	-110	0	0	60							Tipo di acciaio non contemplato
1D	0	-17	228	-110	0	0	-57							Tipo di acciaio non contemplato
1E	0	132	-238	96	0	0	60							Tipo di acciaio non contemplato
1F	0	132	228	96	0	0	-57							Tipo di acciaio non contemplato
1G	0	132	-238	-110	0	0	60							Tipo di acciaio non contemplato
1H	0	132	228	-110	0	0	-57							Tipo di acciaio non contemplato
1I	0	-27	-536	84	0	0	134							Tipo di acciaio non contemplato
1J	0	-27	526	84	0	0	-131							Tipo di acciaio non contemplato
1K	0	-27	-536	-99	0	0	134							Tipo di acciaio non contemplato
1L	0	-27	526	-99	0	0	-131							Tipo di acciaio non contemplato
1M	0	143	-536	84	0	0	134							Tipo di acciaio non contemplato
1N	0	143	526	84	0	0	-131							Tipo di acciaio non contemplato
1O	0	143	-536	-99	0	0	134							Tipo di acciaio non contemplato
1P	0	143	526	-99	0	0	-131							Tipo di acciaio non contemplato
2	0	332	-83	-5	0	0	21							Tipo di acciaio non contemplato
7	0	334	-84	-4	0	0	21							Tipo di acciaio non contemplato
8	0	255	-62	-7	0	0	16							Tipo di acciaio non contemplato
1A	25	-17	-240	96	0	-24	0							Tipo di acciaio non contemplato
1B	25	-17	226	96	0	-24	0							Tipo di acciaio non contemplato
1C	25	-17	-240	-110	0	27	0							Tipo di acciaio non contemplato
1D	25	-17	226	-110	0	27	0							Tipo di acciaio non contemplato
1E	25	132	-240	96	0	-24	0							Tipo di acciaio non contemplato
1F	25	132	226	96	0	-24	0							Tipo di acciaio non contemplato
1G	25	132	-240	-110	0	27	0							Tipo di acciaio non contemplato
1H	25	132	226	-110	0	27	0							Tipo di acciaio non contemplato

1I	25	-27	-539	84	0	25	0	Tipo di acciaio non contemplato
1J	25	-27	524	84	0	25	0	Tipo di acciaio non contemplato
1K	25	-27	-539	-99	0	-21	0	Tipo di acciaio non contemplato
1L	25	-27	524	-99	0	-21	0	Tipo di acciaio non contemplato
1M	25	143	-539	84	0	25	0	Tipo di acciaio non contemplato
1N	25	143	524	84	0	25	0	Tipo di acciaio non contemplato
1O	25	143	-539	-99	0	-21	0	Tipo di acciaio non contemplato
1P	25	143	524	-99	0	-21	0	Tipo di acciaio non contemplato
2	25	332	-86	-5	0	1	0	Tipo di acciaio non contemplato
7	25	334	-87	-4	0	1	0	Tipo di acciaio non contemplato
8	25	255	-64	-7	0	2	0	Tipo di acciaio non contemplato
1A	50	-17	-243	96	0	-48	-60	Tipo di acciaio non contemplato
1B	50	-17	224	96	0	-48	56	Tipo di acciaio non contemplato
1C	50	-17	-243	-110	0	55	-60	Tipo di acciaio non contemplato
1D	50	-17	224	-110	0	55	56	Tipo di acciaio non contemplato
1E	50	132	-243	96	0	-48	-60	Tipo di acciaio non contemplato
1F	50	132	224	96	0	-48	56	Tipo di acciaio non contemplato
1G	50	132	-243	-110	0	55	-60	Tipo di acciaio non contemplato
1H	50	132	224	-110	0	55	56	Tipo di acciaio non contemplato
1I	50	-27	-541	84	0	49	-135	Tipo di acciaio non contemplato
1J	50	-27	522	84	0	49	131	Tipo di acciaio non contemplato
1K	50	-27	-541	-99	0	-42	-135	Tipo di acciaio non contemplato
1L	50	-27	522	-99	0	-42	131	Tipo di acciaio non contemplato
1M	50	143	-541	84	0	49	-135	Tipo di acciaio non contemplato
1N	50	143	522	84	0	49	131	Tipo di acciaio non contemplato
1O	50	143	-541	-99	0	-42	-135	Tipo di acciaio non contemplato
1P	50	143	522	-99	0	-42	131	Tipo di acciaio non contemplato
2	50	332	-89	-5	0	3	-22	Tipo di acciaio non contemplato
7	50	334	-89	-4	0	2	-22	Tipo di acciaio non contemplato
8	50	255	-67	-7	0	3	-16	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg		kg*m							kg/cmq	
1A	-17		28	24							Tipo di acciaio non contemplato
1B	-17		28	23							Tipo di acciaio non contemplato
1C	-17		33	24							Tipo di acciaio non contemplato
1D	-17		33	23							Tipo di acciaio non contemplato
1E	132		28	24							Tipo di acciaio non contemplato
1F	132		28	23							Tipo di acciaio non contemplato
1G	132		33	24							Tipo di acciaio non contemplato
1H	132		33	23							Tipo di acciaio non contemplato
1I	-27		30	54							Tipo di acciaio non contemplato
1J	-27		30	52							Tipo di acciaio non contemplato
1K	-27		25	54							Tipo di acciaio non contemplato
1L	-27		25	52							Tipo di acciaio non contemplato
1M	143		30	54							Tipo di acciaio non contemplato
1N	143		30	52							Tipo di acciaio non contemplato
1O	143		25	54							Tipo di acciaio non contemplato
1P	143		25	52							Tipo di acciaio non contemplato
2	332		2	9							Tipo di acciaio non contemplato
7	334		1	9							Tipo di acciaio non contemplato
8	255		2	7							Tipo di acciaio non contemplato

ASTA NUM. 26 NI 174 NF 166 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m				kg/cmq					
1A	0	56	-433	83	0	0	109								Tipo di acciaio non contemplato
1B	0	56	399	83	0	0	-99								Tipo di acciaio non contemplato
1C	0	56	-433	-86	0	0	109								Tipo di acciaio non contemplato
1D	0	56	399	-86	0	0	-99								Tipo di acciaio non contemplato
1E	0	193	-433	83	0	0	109								Tipo di acciaio non contemplato
1F	0	193	399	83	0	0	-99								Tipo di acciaio non contemplato
1G	0	193	-433	-86	0	0	109								Tipo di acciaio non contemplato
1H	0	193	399	-86	0	0	-99								Tipo di acciaio non contemplato
1I	0	99	-695	65	0	0	174								Tipo di acciaio non contemplato
1J	0	99	660	65	0	0	-165								Tipo di acciaio non contemplato
1K	0	99	-695	-69	0	0	174								Tipo di acciaio non contemplato
1L	0	99	660	-69	0	0	-165								Tipo di acciaio non contemplato
1M	0	150	-695	65	0	0	174								Tipo di acciaio non contemplato
1N	0	150	660	65	0	0	-165								Tipo di acciaio non contemplato
1O	0	150	-695	-69	0	0	174								Tipo di acciaio non contemplato
1P	0	150	660	-69	0	0	-165								Tipo di acciaio non contemplato
2	0	251	-188	-7	0	0	48								Tipo di acciaio non contemplato
7	0	251	-189	-6	0	0	48								Tipo di acciaio non contemplato
8	0	224	-139	-5	0	0	35								Tipo di acciaio non contemplato
1A	25	56	-436	83	0	-20	0								Tipo di acciaio non contemplato
1B	25	56	397	83	0	-20	0								Tipo di acciaio non contemplato
1C	25	56	-436	-86	0	21	0								Tipo di acciaio non contemplato
1D	25	56	397	-86	0	21	0								Tipo di acciaio non contemplato
1E	25	193	-436	83	0	-20	0								Tipo di acciaio non contemplato
1F	25	193	397	83	0	-20	0								Tipo di acciaio non contemplato

1G	25	193	-436	-86	0	21	0	Tipo di acciaio non contemplato
1H	25	193	397	-86	0	21	0	Tipo di acciaio non contemplato
1I	25	99	-697	65	0	-16	0	Tipo di acciaio non contemplato
1J	25	99	658	65	0	-16	0	Tipo di acciaio non contemplato
1K	25	99	-697	-69	0	17	0	Tipo di acciaio non contemplato
1L	25	99	658	-69	0	17	0	Tipo di acciaio non contemplato
1M	25	150	-697	65	0	-16	0	Tipo di acciaio non contemplato
1N	25	150	658	65	0	-16	0	Tipo di acciaio non contemplato
1O	25	150	-697	-69	0	17	0	Tipo di acciaio non contemplato
1P	25	150	658	-69	0	17	0	Tipo di acciaio non contemplato
2	25	251	-191	-7	0	2	0	Tipo di acciaio non contemplato
7	25	251	-192	-6	0	2	0	Tipo di acciaio non contemplato
8	25	224	-142	-5	0	1	0	Tipo di acciaio non contemplato
1A	50	56	-438	83	0	-41	-109	Tipo di acciaio non contemplato
1B	50	56	395	83	0	-41	99	Tipo di acciaio non contemplato
1C	50	56	-438	-86	0	42	-109	Tipo di acciaio non contemplato
1D	50	56	395	-86	0	42	99	Tipo di acciaio non contemplato
1E	50	193	-438	83	0	-41	-109	Tipo di acciaio non contemplato
1F	50	193	395	83	0	-41	99	Tipo di acciaio non contemplato
1G	50	193	-438	-86	0	42	-109	Tipo di acciaio non contemplato
1H	50	193	395	-86	0	42	99	Tipo di acciaio non contemplato
1I	50	99	-699	65	0	-32	-174	Tipo di acciaio non contemplato
1J	50	99	656	65	0	-32	164	Tipo di acciaio non contemplato
1K	50	99	-699	-69	0	34	-174	Tipo di acciaio non contemplato
1L	50	99	656	-69	0	34	164	Tipo di acciaio non contemplato
1M	50	150	-699	65	0	-32	-174	Tipo di acciaio non contemplato
1N	50	150	656	65	0	-32	164	Tipo di acciaio non contemplato
1O	50	150	-699	-69	0	34	-174	Tipo di acciaio non contemplato
1P	50	150	656	-69	0	34	164	Tipo di acciaio non contemplato
2	50	251	-194	-7	0	3	-48	Tipo di acciaio non contemplato
7	50	251	-195	-6	0	3	-48	Tipo di acciaio non contemplato
8	50	224	-145	-5	0	3	-36	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	56	24	44								Tipo di acciaio non contemplato
1B	56	24	40								Tipo di acciaio non contemplato
1C	56	25	44								Tipo di acciaio non contemplato
1D	56	25	40								Tipo di acciaio non contemplato
1E	193	24	44								Tipo di acciaio non contemplato
1F	193	24	40								Tipo di acciaio non contemplato
1G	193	25	44								Tipo di acciaio non contemplato
1H	193	25	40								Tipo di acciaio non contemplato
1I	99	19	70								Tipo di acciaio non contemplato
1J	99	19	66								Tipo di acciaio non contemplato
1K	99	20	70								Tipo di acciaio non contemplato
1L	99	20	66								Tipo di acciaio non contemplato
1M	150	19	70								Tipo di acciaio non contemplato
1N	150	19	66								Tipo di acciaio non contemplato
1O	150	20	70								Tipo di acciaio non contemplato
1P	150	20	66								Tipo di acciaio non contemplato
2	251	2	19								Tipo di acciaio non contemplato
7	251	2	19								Tipo di acciaio non contemplato
8	224	2	14								Tipo di acciaio non contemplato

ASTA NUM. 27 NI 33 NF 25 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-58	-228	25	0	0	57								Tipo di acciaio non contemplato
1B	0	-58	67	25	0	0	-16								Tipo di acciaio non contemplato
1C	0	-58	-228	-17	0	-1	57								Tipo di acciaio non contemplato
1D	0	-58	67	-17	0	-1	-16								Tipo di acciaio non contemplato
1E	0	158	-228	25	0	0	57								Tipo di acciaio non contemplato
1F	0	158	67	25	0	0	-16								Tipo di acciaio non contemplato
1G	0	158	-228	-17	0	-1	57								Tipo di acciaio non contemplato
1H	0	158	67	-17	0	-1	-16								Tipo di acciaio non contemplato
1I	0	8	-258	16	0	0	65								Tipo di acciaio non contemplato
1J	0	8	98	16	0	0	-24								Tipo di acciaio non contemplato
1K	0	8	-258	-7	0	0	65								Tipo di acciaio non contemplato
1L	0	8	98	-7	0	0	-24								Tipo di acciaio non contemplato
1M	0	93	-258	16	0	0	65								Tipo di acciaio non contemplato
1N	0	93	98	16	0	0	-24								Tipo di acciaio non contemplato
1O	0	93	-258	-7	0	0	65								Tipo di acciaio non contemplato
1P	0	93	98	-7	0	0	-24								Tipo di acciaio non contemplato
2	0	224	-482	23	0	0	121								Tipo di acciaio non contemplato
7	0	190	-389	21	0	0	98								Tipo di acciaio non contemplato
8	0	177	-379	17	0	0	95								Tipo di acciaio non contemplato
1A	25	-58	-230	25	0	5	0								Tipo di acciaio non contemplato
1B	25	-58	65	25	0	5	0								Tipo di acciaio non contemplato
1C	25	-58	-230	-17	0	-7	0								Tipo di acciaio non contemplato
1D	25	-58	65	-17	0	-7	0								Tipo di acciaio non contemplato

1E	25	158	-230	25	0	5	0	Tipo di acciaio non contemplato
1F	25	158	65	25	0	5	0	Tipo di acciaio non contemplato
1G	25	158	-230	-17	0	-7	0	Tipo di acciaio non contemplato
1H	25	158	65	-17	0	-7	0	Tipo di acciaio non contemplato
1I	25	8	-260	16	0	2	0	Tipo di acciaio non contemplato
1J	25	8	95	16	0	2	0	Tipo di acciaio non contemplato
1K	25	8	-260	-7	0	-5	0	Tipo di acciaio non contemplato
1L	25	8	95	-7	0	-5	0	Tipo di acciaio non contemplato
1M	25	93	-260	16	0	2	0	Tipo di acciaio non contemplato
1N	25	93	95	16	0	2	0	Tipo di acciaio non contemplato
1O	25	93	-260	-7	0	-5	0	Tipo di acciaio non contemplato
1P	25	93	95	-7	0	-5	0	Tipo di acciaio non contemplato
2	25	224	-484	23	0	-7	0	Tipo di acciaio non contemplato
7	25	190	-392	21	0	-6	0	Tipo di acciaio non contemplato
8	25	177	-382	17	0	-5	0	Tipo di acciaio non contemplato
1A	50	-58	-232	25	0	9	-58	Tipo di acciaio non contemplato
1B	50	-58	63	25	0	9	16	Tipo di acciaio non contemplato
1C	50	-58	-232	-17	0	-14	-58	Tipo di acciaio non contemplato
1D	50	-58	63	-17	0	-14	16	Tipo di acciaio non contemplato
1E	50	158	-232	25	0	9	-58	Tipo di acciaio non contemplato
1F	50	158	63	25	0	9	16	Tipo di acciaio non contemplato
1G	50	158	-232	-17	0	-14	-58	Tipo di acciaio non contemplato
1H	50	158	63	-17	0	-14	16	Tipo di acciaio non contemplato
1I	50	8	-263	16	0	4	-65	Tipo di acciaio non contemplato
1J	50	8	93	16	0	4	24	Tipo di acciaio non contemplato
1K	50	8	-263	-7	0	-9	-65	Tipo di acciaio non contemplato
1L	50	8	93	-7	0	-9	24	Tipo di acciaio non contemplato
1M	50	93	-263	16	0	4	-65	Tipo di acciaio non contemplato
1N	50	93	93	16	0	4	24	Tipo di acciaio non contemplato
1O	50	93	-263	-7	0	-9	-65	Tipo di acciaio non contemplato
1P	50	93	93	-7	0	-9	24	Tipo di acciaio non contemplato
2	50	224	-487	23	0	-12	-121	Tipo di acciaio non contemplato
7	50	190	-395	21	0	-11	-98	Tipo di acciaio non contemplato
8	50	177	-385	17	0	-9	-96	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-58	6	23								Tipo di acciaio non contemplato
1B	-58	6	7								Tipo di acciaio non contemplato
1C	-58	9	23								Tipo di acciaio non contemplato
1D	-58	9	7								Tipo di acciaio non contemplato
1E	158	6	23								Tipo di acciaio non contemplato
1F	158	6	7								Tipo di acciaio non contemplato
1G	158	9	23								Tipo di acciaio non contemplato
1H	158	9	7								Tipo di acciaio non contemplato
1I	8	3	26								Tipo di acciaio non contemplato
1J	8	3	10								Tipo di acciaio non contemplato
1K	8	6	26								Tipo di acciaio non contemplato
1L	8	6	10								Tipo di acciaio non contemplato
1M	93	3	26								Tipo di acciaio non contemplato
1N	93	3	10								Tipo di acciaio non contemplato
1O	93	6	26								Tipo di acciaio non contemplato
1P	93	6	10								Tipo di acciaio non contemplato
2	224	8	49								Tipo di acciaio non contemplato
7	190	7	39								Tipo di acciaio non contemplato
8	177	6	38								Tipo di acciaio non contemplato

ASTA NUM. 28 NI 73 NF 65 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-37	-319	3	0	0	80								Tipo di acciaio non contemplato
1B	0	-37	110	3	0	0	-27								Tipo di acciaio non contemplato
1C	0	-37	-319	-3	0	0	80								Tipo di acciaio non contemplato
1D	0	-37	110	-3	0	0	-27								Tipo di acciaio non contemplato
1E	0	182	-319	3	0	0	80								Tipo di acciaio non contemplato
1F	0	182	110	3	0	0	-27								Tipo di acciaio non contemplato
1G	0	182	-319	-3	0	0	80								Tipo di acciaio non contemplato
1H	0	182	110	-3	0	0	-27								Tipo di acciaio non contemplato
1I	0	24	-442	3	0	0	111								Tipo di acciaio non contemplato
1J	0	24	234	3	0	0	-58								Tipo di acciaio non contemplato
1K	0	24	-442	-3	0	0	111								Tipo di acciaio non contemplato
1L	0	24	234	-3	0	0	-58								Tipo di acciaio non contemplato
1M	0	122	-442	3	0	0	111								Tipo di acciaio non contemplato
1N	0	122	234	3	0	0	-58								Tipo di acciaio non contemplato
1O	0	122	-442	-3	0	0	111								Tipo di acciaio non contemplato
1P	0	122	234	-3	0	0	-58								Tipo di acciaio non contemplato
2	0	336	-620	-1	0	0	156								Tipo di acciaio non contemplato
7	0	284	-511	-1	0	0	128								Tipo di acciaio non contemplato
8	0	263	-481	-1	0	0	121								Tipo di acciaio non contemplato
1A	25	-37	-321	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-37	108	3	0	0	0								Tipo di acciaio non contemplato

1C	25	-37	-321	-3	0	0	0	Tipo di acciaio non contemplato
1D	25	-37	108	-3	0	0	0	Tipo di acciaio non contemplato
1E	25	182	-321	3	0	0	0	Tipo di acciaio non contemplato
1F	25	182	108	3	0	0	0	Tipo di acciaio non contemplato
1G	25	182	-321	-3	0	0	0	Tipo di acciaio non contemplato
1H	25	182	108	-3	0	0	0	Tipo di acciaio non contemplato
1I	25	24	-444	3	0	0	0	Tipo di acciaio non contemplato
1J	25	24	232	3	0	0	0	Tipo di acciaio non contemplato
1K	25	24	-444	-3	0	0	0	Tipo di acciaio non contemplato
1L	25	24	232	-3	0	0	0	Tipo di acciaio non contemplato
1M	25	122	-444	3	0	0	0	Tipo di acciaio non contemplato
1N	25	122	232	3	0	0	0	Tipo di acciaio non contemplato
1O	25	122	-444	-3	0	0	0	Tipo di acciaio non contemplato
1P	25	122	232	-3	0	0	0	Tipo di acciaio non contemplato
2	25	336	-623	-1	0	0	0	Tipo di acciaio non contemplato
7	25	284	-514	-1	0	0	0	Tipo di acciaio non contemplato
8	25	263	-484	-1	0	0	0	Tipo di acciaio non contemplato
1A	50	-37	-323	3	0	-1	-80	Tipo di acciaio non contemplato
1B	50	-37	106	3	0	-1	27	Tipo di acciaio non contemplato
1C	50	-37	-323	-3	0	1	-80	Tipo di acciaio non contemplato
1D	50	-37	106	-3	0	1	27	Tipo di acciaio non contemplato
1E	50	182	-323	3	0	-1	-80	Tipo di acciaio non contemplato
1F	50	182	106	3	0	-1	27	Tipo di acciaio non contemplato
1G	50	182	-323	-3	0	1	-80	Tipo di acciaio non contemplato
1H	50	182	106	-3	0	1	27	Tipo di acciaio non contemplato
1I	50	24	-447	3	0	-1	-111	Tipo di acciaio non contemplato
1J	50	24	230	3	0	-1	58	Tipo di acciaio non contemplato
1K	50	24	-447	-3	0	1	-111	Tipo di acciaio non contemplato
1L	50	24	230	-3	0	1	58	Tipo di acciaio non contemplato
1M	50	122	-447	3	0	-1	-111	Tipo di acciaio non contemplato
1N	50	122	230	3	0	-1	58	Tipo di acciaio non contemplato
1O	50	122	-447	-3	0	1	-111	Tipo di acciaio non contemplato
1P	50	122	230	-3	0	1	58	Tipo di acciaio non contemplato
2	50	336	-626	-1	0	0	-156	Tipo di acciaio non contemplato
7	50	284	-516	-1	0	0	-129	Tipo di acciaio non contemplato
8	50	263	-487	-1	0	0	-121	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-37	0	32								Tipo di acciaio non contemplato
1B	-37	0	11								Tipo di acciaio non contemplato
1C	-37	0	32								Tipo di acciaio non contemplato
1D	-37	0	11								Tipo di acciaio non contemplato
1E	182	0	32								Tipo di acciaio non contemplato
1F	182	0	11								Tipo di acciaio non contemplato
1G	182	0	32								Tipo di acciaio non contemplato
1H	182	0	11								Tipo di acciaio non contemplato
1I	24	0	45								Tipo di acciaio non contemplato
1J	24	0	23								Tipo di acciaio non contemplato
1K	24	0	45								Tipo di acciaio non contemplato
1L	24	0	23								Tipo di acciaio non contemplato
1M	122	0	45								Tipo di acciaio non contemplato
1N	122	0	23								Tipo di acciaio non contemplato
1O	122	0	45								Tipo di acciaio non contemplato
1P	122	0	23								Tipo di acciaio non contemplato
2	336	0	62								Tipo di acciaio non contemplato
7	284	0	51								Tipo di acciaio non contemplato
8	263	0	48								Tipo di acciaio non contemplato

ASTA NUM. 29 NI 113 NF 105 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	2	-271	3	0	0	68								Tipo di acciaio non contemplato
1B	0	2	213	3	0	0	-53								Tipo di acciaio non contemplato
1C	0	2	-271	-3	0	0	68								Tipo di acciaio non contemplato
1D	0	2	213	-3	0	0	-53								Tipo di acciaio non contemplato
1E	0	147	-271	3	0	0	68								Tipo di acciaio non contemplato
1F	0	147	213	3	0	0	-53								Tipo di acciaio non contemplato
1G	0	147	-271	-3	0	0	68								Tipo di acciaio non contemplato
1H	0	147	213	-3	0	0	-53								Tipo di acciaio non contemplato
1I	0	35	-614	3	0	0	154								Tipo di acciaio non contemplato
1J	0	35	556	3	0	0	-139								Tipo di acciaio non contemplato
1K	0	35	-614	-4	0	0	154								Tipo di acciaio non contemplato
1L	0	35	556	-4	0	0	-139								Tipo di acciaio non contemplato
1M	0	114	-614	3	0	0	154								Tipo di acciaio non contemplato
1N	0	114	556	3	0	0	-139								Tipo di acciaio non contemplato
1O	0	114	-614	-4	0	0	154								Tipo di acciaio non contemplato
1P	0	114	556	-4	0	0	-139								Tipo di acciaio non contemplato
2	0	243	-249	-1	0	0	63								Tipo di acciaio non contemplato
7	0	217	-230	-1	0	0	58								Tipo di acciaio non contemplato
8	0	199	-190	-1	0	0	48								Tipo di acciaio non contemplato

1A	25	2	-273	3	0	0	0	Tipo di acciaio non contemplato
1B	25	2	211	3	0	0	0	Tipo di acciaio non contemplato
1C	25	2	-273	-3	0	0	0	Tipo di acciaio non contemplato
1D	25	2	211	-3	0	0	0	Tipo di acciaio non contemplato
1E	25	147	-273	3	0	0	0	Tipo di acciaio non contemplato
1F	25	147	211	3	0	0	0	Tipo di acciaio non contemplato
1G	25	147	-273	-3	0	0	0	Tipo di acciaio non contemplato
1H	25	147	211	-3	0	0	0	Tipo di acciaio non contemplato
1I	25	35	-617	3	0	0	0	Tipo di acciaio non contemplato
1J	25	35	554	3	0	0	0	Tipo di acciaio non contemplato
1K	25	35	-617	-4	0	0	0	Tipo di acciaio non contemplato
1L	25	35	554	-4	0	0	0	Tipo di acciaio non contemplato
1M	25	114	-617	3	0	0	0	Tipo di acciaio non contemplato
1N	25	114	554	3	0	0	0	Tipo di acciaio non contemplato
1O	25	114	-617	-4	0	0	0	Tipo di acciaio non contemplato
1P	25	114	554	-4	0	0	0	Tipo di acciaio non contemplato
2	25	243	-252	-1	0	0	0	Tipo di acciaio non contemplato
7	25	217	-232	-1	0	0	0	Tipo di acciaio non contemplato
8	25	199	-193	-1	0	0	0	Tipo di acciaio non contemplato
1A	50	2	-275	3	0	0	-69	Tipo di acciaio non contemplato
1B	50	2	209	3	0	0	53	Tipo di acciaio non contemplato
1C	50	2	-275	-3	0	1	-69	Tipo di acciaio non contemplato
1D	50	2	209	-3	0	1	53	Tipo di acciaio non contemplato
1E	50	147	-275	3	0	0	-69	Tipo di acciaio non contemplato
1F	50	147	209	3	0	0	53	Tipo di acciaio non contemplato
1G	50	147	-275	-3	0	1	-69	Tipo di acciaio non contemplato
1H	50	147	209	-3	0	1	53	Tipo di acciaio non contemplato
1I	50	35	-619	3	0	-1	-154	Tipo di acciaio non contemplato
1J	50	35	552	3	0	-1	139	Tipo di acciaio non contemplato
1K	50	35	-619	-4	0	1	-154	Tipo di acciaio non contemplato
1L	50	35	552	-4	0	1	139	Tipo di acciaio non contemplato
1M	50	114	-619	3	0	-1	-154	Tipo di acciaio non contemplato
1N	50	114	552	3	0	-1	139	Tipo di acciaio non contemplato
1O	50	114	-619	-4	0	1	-154	Tipo di acciaio non contemplato
1P	50	114	552	-4	0	1	139	Tipo di acciaio non contemplato
2	50	243	-255	-1	0	0	-63	Tipo di acciaio non contemplato
7	50	217	-235	-1	0	0	-58	Tipo di acciaio non contemplato
8	50	199	-196	-1	0	0	-48	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	2	0	27								Tipo di acciaio non contemplato
1B	2	0	21								Tipo di acciaio non contemplato
1C	2	0	27								Tipo di acciaio non contemplato
1D	2	0	21								Tipo di acciaio non contemplato
1E	147	0	27								Tipo di acciaio non contemplato
1F	147	0	21								Tipo di acciaio non contemplato
1G	147	0	27								Tipo di acciaio non contemplato
1H	147	0	21								Tipo di acciaio non contemplato
1I	35	0	62								Tipo di acciaio non contemplato
1J	35	0	55								Tipo di acciaio non contemplato
1K	35	0	62								Tipo di acciaio non contemplato
1L	35	0	55								Tipo di acciaio non contemplato
1M	114	0	62								Tipo di acciaio non contemplato
1N	114	0	55								Tipo di acciaio non contemplato
1O	114	0	62								Tipo di acciaio non contemplato
1P	114	0	55								Tipo di acciaio non contemplato
2	243	0	25								Tipo di acciaio non contemplato
7	217	0	23								Tipo di acciaio non contemplato
8	199	0	19								Tipo di acciaio non contemplato

ASTA NUM. 30 NI 153 NF 145 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-20	-243	52	0	0	61								Tipo di acciaio non contemplato
1B	0	-20	228	52	0	0	-57								Tipo di acciaio non contemplato
1C	0	-20	-243	-58	0	0	61								Tipo di acciaio non contemplato
1D	0	-20	228	-58	0	0	-57								Tipo di acciaio non contemplato
1E	0	113	-243	52	0	0	61								Tipo di acciaio non contemplato
1F	0	113	228	52	0	0	-57								Tipo di acciaio non contemplato
1G	0	113	-243	-58	0	0	61								Tipo di acciaio non contemplato
1H	0	113	228	-58	0	0	-57								Tipo di acciaio non contemplato
1I	0	14	-561	40	0	0	140								Tipo di acciaio non contemplato
1J	0	14	546	40	0	0	-136								Tipo di acciaio non contemplato
1K	0	14	-561	-46	0	0	140								Tipo di acciaio non contemplato
1L	0	14	546	-46	0	0	-136								Tipo di acciaio non contemplato
1M	0	79	-561	40	0	0	140								Tipo di acciaio non contemplato
1N	0	79	546	40	0	0	-136								Tipo di acciaio non contemplato
1O	0	79	-561	-46	0	0	140								Tipo di acciaio non contemplato
1P	0	79	546	-46	0	0	-136								Tipo di acciaio non contemplato
2	0	110	-171	-3	0	0	43								Tipo di acciaio non contemplato
7	0	111	-172	-3	0	0	43								Tipo di acciaio non contemplato

8	0	95	-124	-4	0	0	32		Tipo di acciaio non contemplato
1A	25	-20	-245	52	0	15	0		Tipo di acciaio non contemplato
1B	25	-20	226	52	0	15	0		Tipo di acciaio non contemplato
1C	25	-20	-245	-58	0	-14	0		Tipo di acciaio non contemplato
1D	25	-20	226	-58	0	-14	0		Tipo di acciaio non contemplato
1E	25	113	-245	52	0	15	0		Tipo di acciaio non contemplato
1F	25	113	226	52	0	15	0		Tipo di acciaio non contemplato
1G	25	113	-245	-58	0	-14	0		Tipo di acciaio non contemplato
1H	25	113	226	-58	0	-14	0		Tipo di acciaio non contemplato
1I	25	14	-563	40	0	12	0		Tipo di acciaio non contemplato
1J	25	14	544	40	0	12	0		Tipo di acciaio non contemplato
1K	25	14	-563	-46	0	-11	0		Tipo di acciaio non contemplato
1L	25	14	544	-46	0	-11	0		Tipo di acciaio non contemplato
1M	25	79	-563	40	0	12	0		Tipo di acciaio non contemplato
1N	25	79	544	40	0	12	0		Tipo di acciaio non contemplato
1O	25	79	-563	-46	0	-11	0		Tipo di acciaio non contemplato
1P	25	79	544	-46	0	-11	0		Tipo di acciaio non contemplato
2	25	110	-174	-3	0	0	0		Tipo di acciaio non contemplato
7	25	111	-175	-3	0	0	0		Tipo di acciaio non contemplato
8	25	95	-127	-4	0	1	0		Tipo di acciaio non contemplato
1A	50	-20	-247	52	0	30	-61		Tipo di acciaio non contemplato
1B	50	-20	224	52	0	30	56		Tipo di acciaio non contemplato
1C	50	-20	-247	-58	0	-26	-61		Tipo di acciaio non contemplato
1D	50	-20	224	-58	0	-26	56		Tipo di acciaio non contemplato
1E	50	113	-247	52	0	30	-61		Tipo di acciaio non contemplato
1F	50	113	224	52	0	30	56		Tipo di acciaio non contemplato
1G	50	113	-247	-58	0	-26	-61		Tipo di acciaio non contemplato
1H	50	113	224	-58	0	-26	56		Tipo di acciaio non contemplato
1I	50	14	-565	40	0	24	-141		Tipo di acciaio non contemplato
1J	50	14	542	40	0	24	136		Tipo di acciaio non contemplato
1K	50	14	-565	-46	0	-21	-141		Tipo di acciaio non contemplato
1L	50	14	542	-46	0	-21	136		Tipo di acciaio non contemplato
1M	50	79	-565	40	0	24	-141		Tipo di acciaio non contemplato
1N	50	79	542	40	0	24	136		Tipo di acciaio non contemplato
1O	50	79	-565	-46	0	-21	-141		Tipo di acciaio non contemplato
1P	50	79	542	-46	0	-21	136		Tipo di acciaio non contemplato
2	50	110	-177	-3	0	2	-44		Tipo di acciaio non contemplato
7	50	111	-178	-3	0	2	-44		Tipo di acciaio non contemplato
8	50	95	-130	-4	0	2	-32		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-20	18	25								Tipo di acciaio non contemplato
1B	-20	18	23								Tipo di acciaio non contemplato
1C	-20	16	25								Tipo di acciaio non contemplato
1D	-20	16	23								Tipo di acciaio non contemplato
1E	113	18	25								Tipo di acciaio non contemplato
1F	113	18	23								Tipo di acciaio non contemplato
1G	113	16	25								Tipo di acciaio non contemplato
1H	113	16	23								Tipo di acciaio non contemplato
1I	14	15	56								Tipo di acciaio non contemplato
1J	14	15	54								Tipo di acciaio non contemplato
1K	14	13	56								Tipo di acciaio non contemplato
1L	14	13	54								Tipo di acciaio non contemplato
1M	79	15	56								Tipo di acciaio non contemplato
1N	79	15	54								Tipo di acciaio non contemplato
1O	79	13	56								Tipo di acciaio non contemplato
1P	79	13	54								Tipo di acciaio non contemplato
2	110	1	17								Tipo di acciaio non contemplato
7	111	1	18								Tipo di acciaio non contemplato
8	95	1	13								Tipo di acciaio non contemplato

ASTA NUM. 31 NI 173 NF 165 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17	-425	48	0	0	107							Tipo di acciaio non contemplato
1B	0	-17	387	48	0	0	-96							Tipo di acciaio non contemplato
1C	0	-17	-425	-49	0	0	107							Tipo di acciaio non contemplato
1D	0	-17	387	-49	0	0	-96							Tipo di acciaio non contemplato
1E	0	227	-425	48	0	0	107							Tipo di acciaio non contemplato
1F	0	227	387	48	0	0	-96							Tipo di acciaio non contemplato
1G	0	227	-425	-49	0	0	107							Tipo di acciaio non contemplato
1H	0	227	387	-49	0	0	-96							Tipo di acciaio non contemplato
1I	0	35	-701	33	0	0	176							Tipo di acciaio non contemplato
1J	0	35	662	33	0	0	-165							Tipo di acciaio non contemplato
1K	0	35	-701	-33	0	0	176							Tipo di acciaio non contemplato
1L	0	35	662	-33	0	0	-165							Tipo di acciaio non contemplato
1M	0	175	-701	33	0	0	176							Tipo di acciaio non contemplato
1N	0	175	662	33	0	0	-165							Tipo di acciaio non contemplato
1O	0	175	-701	-33	0	0	176							Tipo di acciaio non contemplato
1P	0	175	662	-33	0	0	-165							Tipo di acciaio non contemplato

2	0	147	-221	-4	0	0	56	Tipo di acciaio non contemplato
7	0	147	-221	-4	0	0	56	Tipo di acciaio non contemplato
8	0	144	-163	-3	0	0	41	Tipo di acciaio non contemplato
1A	25	-17	-428	48	0	13	0	Tipo di acciaio non contemplato
1B	25	-17	384	48	0	13	0	Tipo di acciaio non contemplato
1C	25	-17	-428	-49	0	-12	0	Tipo di acciaio non contemplato
1D	25	-17	384	-49	0	-12	0	Tipo di acciaio non contemplato
1E	25	227	-428	48	0	13	0	Tipo di acciaio non contemplato
1F	25	227	384	48	0	13	0	Tipo di acciaio non contemplato
1G	25	227	-428	-49	0	-12	0	Tipo di acciaio non contemplato
1H	25	227	384	-49	0	-12	0	Tipo di acciaio non contemplato
1I	25	35	-703	33	0	9	0	Tipo di acciaio non contemplato
1J	25	35	660	33	0	9	0	Tipo di acciaio non contemplato
1K	25	35	-703	-33	0	-9	0	Tipo di acciaio non contemplato
1L	25	35	660	-33	0	-9	0	Tipo di acciaio non contemplato
1M	25	175	-703	33	0	9	0	Tipo di acciaio non contemplato
1N	25	175	660	33	0	9	0	Tipo di acciaio non contemplato
1O	25	175	-703	-33	0	-9	0	Tipo di acciaio non contemplato
1P	25	175	660	-33	0	-9	0	Tipo di acciaio non contemplato
2	25	147	-224	-4	0	1	0	Tipo di acciaio non contemplato
7	25	147	-224	-4	0	1	0	Tipo di acciaio non contemplato
8	25	144	-166	-3	0	0	0	Tipo di acciaio non contemplato
1A	50	-17	-430	48	0	25	-107	Tipo di acciaio non contemplato
1B	50	-17	382	48	0	25	96	Tipo di acciaio non contemplato
1C	50	-17	-430	-49	0	-25	-107	Tipo di acciaio non contemplato
1D	50	-17	382	-49	0	-25	96	Tipo di acciaio non contemplato
1E	50	227	-430	48	0	25	-107	Tipo di acciaio non contemplato
1F	50	227	382	48	0	25	96	Tipo di acciaio non contemplato
1G	50	227	-430	-49	0	-25	-107	Tipo di acciaio non contemplato
1H	50	227	382	-49	0	-25	96	Tipo di acciaio non contemplato
1I	50	35	-705	33	0	17	-176	Tipo di acciaio non contemplato
1J	50	35	658	33	0	17	165	Tipo di acciaio non contemplato
1K	50	35	-705	-33	0	-17	-176	Tipo di acciaio non contemplato
1L	50	35	658	-33	0	-17	165	Tipo di acciaio non contemplato
1M	50	175	-705	33	0	17	-176	Tipo di acciaio non contemplato
1N	50	175	658	33	0	17	165	Tipo di acciaio non contemplato
1O	50	175	-705	-33	0	-17	-176	Tipo di acciaio non contemplato
1P	50	175	658	-33	0	-17	165	Tipo di acciaio non contemplato
2	50	147	-226	-4	0	2	-56	Tipo di acciaio non contemplato
7	50	147	-227	-4	0	2	-56	Tipo di acciaio non contemplato
8	50	144	-169	-3	0	2	-42	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-17	15	43								Tipo di acciaio non contemplato
1B	-17	15	38								Tipo di acciaio non contemplato
1C	-17	15	43								Tipo di acciaio non contemplato
1D	-17	15	38								Tipo di acciaio non contemplato
1E	227	15	43								Tipo di acciaio non contemplato
1F	227	15	38								Tipo di acciaio non contemplato
1G	227	15	43								Tipo di acciaio non contemplato
1H	227	15	38								Tipo di acciaio non contemplato
1I	35	10	70								Tipo di acciaio non contemplato
1J	35	10	66								Tipo di acciaio non contemplato
1K	35	10	70								Tipo di acciaio non contemplato
1L	35	10	66								Tipo di acciaio non contemplato
1M	175	10	70								Tipo di acciaio non contemplato
1N	175	10	66								Tipo di acciaio non contemplato
1O	175	10	70								Tipo di acciaio non contemplato
1P	175	10	66								Tipo di acciaio non contemplato
2	147	1	22								Tipo di acciaio non contemplato
7	147	1	23								Tipo di acciaio non contemplato
8	144	1	17								Tipo di acciaio non contemplato

ASTA NUM. 32 NI 32 NF 24 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-115	-256	29	0	0	64								Tipo di acciaio non contemplato
1B	0	-115	96	29	0	0	-24								Tipo di acciaio non contemplato
1C	0	-115	-256	-20	0	0	64								Tipo di acciaio non contemplato
1D	0	-115	96	-20	0	0	-24								Tipo di acciaio non contemplato
1E	0	214	-256	29	0	0	64								Tipo di acciaio non contemplato
1F	0	214	96	29	0	0	-24								Tipo di acciaio non contemplato
1G	0	214	-256	-20	0	0	64								Tipo di acciaio non contemplato
1H	0	214	96	-20	0	0	-24								Tipo di acciaio non contemplato
1I	0	-16	-274	15	0	0	69								Tipo di acciaio non contemplato
1J	0	-16	114	15	0	0	-28								Tipo di acciaio non contemplato
1K	0	-16	-274	-7	0	0	69								Tipo di acciaio non contemplato
1L	0	-16	114	-7	0	0	-28								Tipo di acciaio non contemplato
1M	0	114	-274	15	0	0	69								Tipo di acciaio non contemplato
1N	0	114	114	15	0	0	-28								Tipo di acciaio non contemplato

1O	0	114	-274	-7	0	0	69	Tipo di acciaio non contemplato
1P	0	114	114	-7	0	0	-28	Tipo di acciaio non contemplato
2	0	422	-570	22	0	0	143	Tipo di acciaio non contemplato
7	0	391	-477	19	0	0	120	Tipo di acciaio non contemplato
8	0	317	-441	15	0	0	111	Tipo di acciaio non contemplato
1A	25	-115	-258	29	0	5	0	Tipo di acciaio non contemplato
1B	25	-115	94	29	0	5	0	Tipo di acciaio non contemplato
1C	25	-115	-258	-20	0	-8	0	Tipo di acciaio non contemplato
1D	25	-115	94	-20	0	-8	0	Tipo di acciaio non contemplato
1E	25	214	-258	29	0	5	0	Tipo di acciaio non contemplato
1F	25	214	94	29	0	5	0	Tipo di acciaio non contemplato
1G	25	214	-258	-20	0	-8	0	Tipo di acciaio non contemplato
1H	25	214	94	-20	0	-8	0	Tipo di acciaio non contemplato
1I	25	-16	-276	15	0	2	0	Tipo di acciaio non contemplato
1J	25	-16	112	15	0	2	0	Tipo di acciaio non contemplato
1K	25	-16	-276	-7	0	-4	0	Tipo di acciaio non contemplato
1L	25	-16	112	-7	0	-4	0	Tipo di acciaio non contemplato
1M	25	114	-276	15	0	2	0	Tipo di acciaio non contemplato
1N	25	114	112	15	0	2	0	Tipo di acciaio non contemplato
1O	25	114	-276	-7	0	-4	0	Tipo di acciaio non contemplato
1P	25	114	112	-7	0	-4	0	Tipo di acciaio non contemplato
2	25	422	-573	22	0	-6	0	Tipo di acciaio non contemplato
7	25	391	-480	19	0	-5	0	Tipo di acciaio non contemplato
8	25	317	-444	15	0	-4	0	Tipo di acciaio non contemplato
1A	50	-115	-260	29	0	10	-65	Tipo di acciaio non contemplato
1B	50	-115	92	29	0	10	23	Tipo di acciaio non contemplato
1C	50	-115	-260	-20	0	-15	-65	Tipo di acciaio non contemplato
1D	50	-115	92	-20	0	-15	23	Tipo di acciaio non contemplato
1E	50	214	-260	29	0	10	-65	Tipo di acciaio non contemplato
1F	50	214	92	29	0	10	23	Tipo di acciaio non contemplato
1G	50	214	-260	-20	0	-15	-65	Tipo di acciaio non contemplato
1H	50	214	92	-20	0	-15	23	Tipo di acciaio non contemplato
1I	50	-16	-278	15	0	3	-69	Tipo di acciaio non contemplato
1J	50	-16	109	15	0	3	28	Tipo di acciaio non contemplato
1K	50	-16	-278	-7	0	-8	-69	Tipo di acciaio non contemplato
1L	50	-16	109	-7	0	-8	28	Tipo di acciaio non contemplato
1M	50	114	-278	15	0	3	-69	Tipo di acciaio non contemplato
1N	50	114	109	15	0	3	28	Tipo di acciaio non contemplato
1O	50	114	-278	-7	0	-8	-69	Tipo di acciaio non contemplato
1P	50	114	109	-7	0	-8	28	Tipo di acciaio non contemplato
2	50	422	-576	22	0	-12	-143	Tipo di acciaio non contemplato
7	50	391	-483	19	0	-10	-120	Tipo di acciaio non contemplato
8	50	317	-447	15	0	-8	-111	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-115	6	26								Tipo di acciaio non contemplato
1B	-115	6	9								Tipo di acciaio non contemplato
1C	-115	9	26								Tipo di acciaio non contemplato
1D	-115	9	9								Tipo di acciaio non contemplato
1E	214	6	26								Tipo di acciaio non contemplato
1F	214	6	9								Tipo di acciaio non contemplato
1G	214	9	26								Tipo di acciaio non contemplato
1H	214	9	9								Tipo di acciaio non contemplato
1I	-16	2	28								Tipo di acciaio non contemplato
1J	-16	2	11								Tipo di acciaio non contemplato
1K	-16	5	28								Tipo di acciaio non contemplato
1L	-16	5	11								Tipo di acciaio non contemplato
1M	114	2	28								Tipo di acciaio non contemplato
1N	114	2	11								Tipo di acciaio non contemplato
1O	114	5	28								Tipo di acciaio non contemplato
1P	114	5	11								Tipo di acciaio non contemplato
2	422	7	57								Tipo di acciaio non contemplato
7	391	6	48								Tipo di acciaio non contemplato
8	317	5	44								Tipo di acciaio non contemplato

ASTA NUM. 33 NI 72 NF 64 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-73	-341	42	0	1	85								Tipo di acciaio non contemplato
1B	0	-73	133	42	0	1	-33								Tipo di acciaio non contemplato
1C	0	-73	-341	-48	0	-1	85								Tipo di acciaio non contemplato
1D	0	-73	133	-48	0	-1	-33								Tipo di acciaio non contemplato
1E	0	223	-341	42	0	1	85								Tipo di acciaio non contemplato
1F	0	223	133	42	0	1	-33								Tipo di acciaio non contemplato
1G	0	223	-341	-48	0	-1	85								Tipo di acciaio non contemplato
1H	0	223	133	-48	0	-1	-33								Tipo di acciaio non contemplato
1I	0	-0	-452	21	0	0	113								Tipo di acciaio non contemplato
1J	0	-0	245	21	0	0	-61								Tipo di acciaio non contemplato
1K	0	-0	-452	-27	0	0	113								Tipo di acciaio non contemplato
1L	0	-0	245	-27	0	0	-61								Tipo di acciaio non contemplato

1M	0	150	-452	21	0	0	113	Tipo di acciaio non contemplato
1N	0	150	245	21	0	0	-61	Tipo di acciaio non contemplato
1O	0	150	-452	-27	0	0	113	Tipo di acciaio non contemplato
1P	0	150	245	-27	0	0	-61	Tipo di acciaio non contemplato
2	0	626	-735	-18	0	0	184	Tipo di acciaio non contemplato
7	0	576	-626	-14	0	0	157	Tipo di acciaio non contemplato
8	0	467	-562	-13	0	0	141	Tipo di acciaio non contemplato
1A	25	-73	-343	42	0	-10	0	Tipo di acciaio non contemplato
1B	25	-73	131	42	0	-10	0	Tipo di acciaio non contemplato
1C	25	-73	-343	-48	0	11	0	Tipo di acciaio non contemplato
1D	25	-73	131	-48	0	11	0	Tipo di acciaio non contemplato
1E	25	223	-343	42	0	-10	0	Tipo di acciaio non contemplato
1F	25	223	131	42	0	-10	0	Tipo di acciaio non contemplato
1G	25	223	-343	-48	0	11	0	Tipo di acciaio non contemplato
1H	25	223	131	-48	0	11	0	Tipo di acciaio non contemplato
1I	25	-0	-454	21	0	-5	0	Tipo di acciaio non contemplato
1J	25	-0	242	21	0	-5	0	Tipo di acciaio non contemplato
1K	25	-0	-454	-27	0	6	0	Tipo di acciaio non contemplato
1L	25	-0	242	-27	0	6	0	Tipo di acciaio non contemplato
1M	25	150	-454	21	0	-5	0	Tipo di acciaio non contemplato
1N	25	150	242	21	0	-5	0	Tipo di acciaio non contemplato
1O	25	150	-454	-27	0	6	0	Tipo di acciaio non contemplato
1P	25	150	242	-27	0	6	0	Tipo di acciaio non contemplato
2	25	626	-738	-18	0	4	0	Tipo di acciaio non contemplato
7	25	576	-629	-14	0	3	0	Tipo di acciaio non contemplato
8	25	467	-565	-13	0	3	0	Tipo di acciaio non contemplato
1A	50	-73	-345	42	0	-20	-86	Tipo di acciaio non contemplato
1B	50	-73	129	42	0	-20	33	Tipo di acciaio non contemplato
1C	50	-73	-345	-48	0	23	-86	Tipo di acciaio non contemplato
1D	50	-73	129	-48	0	23	33	Tipo di acciaio non contemplato
1E	50	223	-345	42	0	-20	-86	Tipo di acciaio non contemplato
1F	50	223	129	42	0	-20	33	Tipo di acciaio non contemplato
1G	50	223	-345	-48	0	23	-86	Tipo di acciaio non contemplato
1H	50	223	129	-48	0	23	33	Tipo di acciaio non contemplato
1I	50	-0	-457	21	0	-11	-114	Tipo di acciaio non contemplato
1J	50	-0	240	21	0	-11	60	Tipo di acciaio non contemplato
1K	50	-0	-457	-27	0	14	-114	Tipo di acciaio non contemplato
1L	50	-0	240	-27	0	14	60	Tipo di acciaio non contemplato
1M	50	150	-457	21	0	-11	-114	Tipo di acciaio non contemplato
1N	50	150	240	21	0	-11	60	Tipo di acciaio non contemplato
1O	50	150	-457	-27	0	14	-114	Tipo di acciaio non contemplato
1P	50	150	240	-27	0	14	60	Tipo di acciaio non contemplato
2	50	626	-741	-18	0	9	-185	Tipo di acciaio non contemplato
7	50	576	-632	-14	0	7	-157	Tipo di acciaio non contemplato
8	50	467	-568	-13	0	6	-142	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-73	12	34								Tipo di acciaio non contemplato
1B	-73	12	13								Tipo di acciaio non contemplato
1C	-73	13	34								Tipo di acciaio non contemplato
1D	-73	13	13								Tipo di acciaio non contemplato
1E	223	12	34								Tipo di acciaio non contemplato
1F	223	12	13								Tipo di acciaio non contemplato
1G	223	13	34								Tipo di acciaio non contemplato
1H	223	13	13								Tipo di acciaio non contemplato
1I	0	6	46								Tipo di acciaio non contemplato
1J	0	6	24								Tipo di acciaio non contemplato
1K	0	8	46								Tipo di acciaio non contemplato
1L	0	8	24								Tipo di acciaio non contemplato
1M	150	6	46								Tipo di acciaio non contemplato
1N	150	6	24								Tipo di acciaio non contemplato
1O	150	8	46								Tipo di acciaio non contemplato
1P	150	8	24								Tipo di acciaio non contemplato
2	626	5	74								Tipo di acciaio non contemplato
7	576	4	63								Tipo di acciaio non contemplato
8	467	4	57								Tipo di acciaio non contemplato

ASTA NUM. 34 NI 112 NF 104 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-31	-288	48	0	0	72								Tipo di acciaio non contemplato
1B	0	-31	231	48	0	0	-57								Tipo di acciaio non contemplato
1C	0	-31	-288	-57	0	0	72								Tipo di acciaio non contemplato
1D	0	-31	231	-57	0	0	-57								Tipo di acciaio non contemplato
1E	0	188	-288	48	0	0	72								Tipo di acciaio non contemplato
1F	0	188	231	48	0	0	-57								Tipo di acciaio non contemplato
1G	0	188	-288	-57	0	0	72								Tipo di acciaio non contemplato
1H	0	188	231	-57	0	0	-57								Tipo di acciaio non contemplato
1I	0	37	-628	24	0	0	157								Tipo di acciaio non contemplato
1J	0	37	571	24	0	0	-142								Tipo di acciaio non contemplato

1K	0	37	-628	-34	0	-1	157	Tipo di acciaio non contemplato
1L	0	37	571	-34	0	-1	-142	Tipo di acciaio non contemplato
1M	0	120	-628	24	0	0	157	Tipo di acciaio non contemplato
1N	0	120	571	24	0	0	-142	Tipo di acciaio non contemplato
1O	0	120	-628	-34	0	-1	157	Tipo di acciaio non contemplato
1P	0	120	571	-34	0	-1	-142	Tipo di acciaio non contemplato
2	0	538	-365	-19	0	0	92	Tipo di acciaio non contemplato
7	0	511	-346	-15	0	0	87	Tipo di acciaio non contemplato
8	0	408	-271	-15	0	0	68	Tipo di acciaio non contemplato
1A	25	-31	-290	48	0	-12	0	Tipo di acciaio non contemplato
1B	25	-31	229	48	0	-12	0	Tipo di acciaio non contemplato
1C	25	-31	-290	-57	0	14	0	Tipo di acciaio non contemplato
1D	25	-31	229	-57	0	14	0	Tipo di acciaio non contemplato
1E	25	188	-290	48	0	-12	0	Tipo di acciaio non contemplato
1F	25	188	229	48	0	-12	0	Tipo di acciaio non contemplato
1G	25	188	-290	-57	0	14	0	Tipo di acciaio non contemplato
1H	25	188	229	-57	0	14	0	Tipo di acciaio non contemplato
1I	25	37	-630	24	0	9	0	Tipo di acciaio non contemplato
1J	25	37	569	24	0	9	0	Tipo di acciaio non contemplato
1K	25	37	-630	-34	0	-7	0	Tipo di acciaio non contemplato
1L	25	37	569	-34	0	-7	0	Tipo di acciaio non contemplato
1M	25	120	-630	24	0	9	0	Tipo di acciaio non contemplato
1N	25	120	569	24	0	9	0	Tipo di acciaio non contemplato
1O	25	120	-630	-34	0	-7	0	Tipo di acciaio non contemplato
1P	25	120	569	-34	0	-7	0	Tipo di acciaio non contemplato
2	25	538	-368	-19	0	4	0	Tipo di acciaio non contemplato
7	25	511	-348	-15	0	3	0	Tipo di acciaio non contemplato
8	25	408	-274	-15	0	4	0	Tipo di acciaio non contemplato
1A	50	-31	-292	48	0	-24	-73	Tipo di acciaio non contemplato
1B	50	-31	226	48	0	-24	57	Tipo di acciaio non contemplato
1C	50	-31	-292	-57	0	29	-73	Tipo di acciaio non contemplato
1D	50	-31	226	-57	0	29	57	Tipo di acciaio non contemplato
1E	50	188	-292	48	0	-24	-73	Tipo di acciaio non contemplato
1F	50	188	226	48	0	-24	57	Tipo di acciaio non contemplato
1G	50	188	-292	-57	0	29	-73	Tipo di acciaio non contemplato
1H	50	188	226	-57	0	29	57	Tipo di acciaio non contemplato
1I	50	37	-632	24	0	17	-158	Tipo di acciaio non contemplato
1J	50	37	567	24	0	17	142	Tipo di acciaio non contemplato
1K	50	37	-632	-34	0	-13	-158	Tipo di acciaio non contemplato
1L	50	37	567	-34	0	-13	142	Tipo di acciaio non contemplato
1M	50	120	-632	24	0	17	-158	Tipo di acciaio non contemplato
1N	50	120	567	24	0	17	142	Tipo di acciaio non contemplato
1O	50	120	-632	-34	0	-13	-158	Tipo di acciaio non contemplato
1P	50	120	567	-34	0	-13	142	Tipo di acciaio non contemplato
2	50	538	-371	-19	0	9	-92	Tipo di acciaio non contemplato
7	50	511	-351	-15	0	7	-87	Tipo di acciaio non contemplato
8	50	408	-277	-15	0	7	-69	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-31	14	29								Tipo di acciaio non contemplato
1B	-31	14	23								Tipo di acciaio non contemplato
1C	-31	17	29								Tipo di acciaio non contemplato
1D	-31	17	23								Tipo di acciaio non contemplato
1E	188	14	29								Tipo di acciaio non contemplato
1F	188	14	23								Tipo di acciaio non contemplato
1G	188	17	29								Tipo di acciaio non contemplato
1H	188	17	23								Tipo di acciaio non contemplato
1I	37	11	63								Tipo di acciaio non contemplato
1J	37	11	57								Tipo di acciaio non contemplato
1K	37	8	63								Tipo di acciaio non contemplato
1L	37	8	57								Tipo di acciaio non contemplato
1M	120	11	63								Tipo di acciaio non contemplato
1N	120	11	57								Tipo di acciaio non contemplato
1O	120	8	63								Tipo di acciaio non contemplato
1P	120	8	57								Tipo di acciaio non contemplato
2	538	5	37								Tipo di acciaio non contemplato
7	511	4	35								Tipo di acciaio non contemplato
8	408	4	27								Tipo di acciaio non contemplato

ASTA NUM. 35 NI 152 NF 144 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-88	-253	29	0	0	64								Tipo di acciaio non contemplato
1B	0	-88	241	29	0	0	-60								Tipo di acciaio non contemplato
1C	0	-88	-253	-32	0	0	64								Tipo di acciaio non contemplato
1D	0	-88	241	-32	0	0	-60								Tipo di acciaio non contemplato
1E	0	192	-253	29	0	0	64								Tipo di acciaio non contemplato
1F	0	192	241	29	0	0	-60								Tipo di acciaio non contemplato
1G	0	192	-253	-32	0	0	64								Tipo di acciaio non contemplato
1H	0	192	241	-32	0	0	-60								Tipo di acciaio non contemplato

1I	0	-32	-572	17	0	0	143	Tipo di acciaio non contemplato
1J	0	-32	560	17	0	0	-139	Tipo di acciaio non contemplato
1K	0	-32	-572	-19	0	0	143	Tipo di acciaio non contemplato
1L	0	-32	560	-19	0	0	-139	Tipo di acciaio non contemplato
1M	0	137	-572	17	0	0	143	Tipo di acciaio non contemplato
1N	0	137	560	17	0	0	-139	Tipo di acciaio non contemplato
1O	0	137	-572	-19	0	0	143	Tipo di acciaio non contemplato
1P	0	137	560	-19	0	0	-139	Tipo di acciaio non contemplato
2	0	333	-255	-3	0	0	64	Tipo di acciaio non contemplato
7	0	334	-256	-3	0	0	64	Tipo di acciaio non contemplato
8	0	253	-182	-3	0	0	46	Tipo di acciaio non contemplato
1A	25	-88	-255	29	0	9	0	Tipo di acciaio non contemplato
1B	25	-88	238	29	0	9	0	Tipo di acciaio non contemplato
1C	25	-88	-255	-32	0	-8	0	Tipo di acciaio non contemplato
1D	25	-88	238	-32	0	-8	0	Tipo di acciaio non contemplato
1E	25	192	-255	29	0	9	0	Tipo di acciaio non contemplato
1F	25	192	238	29	0	9	0	Tipo di acciaio non contemplato
1G	25	192	-255	-32	0	-8	0	Tipo di acciaio non contemplato
1H	25	192	238	-32	0	-8	0	Tipo di acciaio non contemplato
1I	25	-32	-574	17	0	6	0	Tipo di acciaio non contemplato
1J	25	-32	557	17	0	6	0	Tipo di acciaio non contemplato
1K	25	-32	-574	-19	0	-5	0	Tipo di acciaio non contemplato
1L	25	-32	557	-19	0	-5	0	Tipo di acciaio non contemplato
1M	25	137	-574	17	0	6	0	Tipo di acciaio non contemplato
1N	25	137	557	17	0	6	0	Tipo di acciaio non contemplato
1O	25	137	-574	-19	0	-5	0	Tipo di acciaio non contemplato
1P	25	137	557	-19	0	-5	0	Tipo di acciaio non contemplato
2	25	333	-258	-3	0	0	0	Tipo di acciaio non contemplato
7	25	334	-258	-3	0	0	0	Tipo di acciaio non contemplato
8	25	253	-185	-3	0	0	0	Tipo di acciaio non contemplato
1A	50	-88	-257	29	0	16	-64	Tipo di acciaio non contemplato
1B	50	-88	236	29	0	16	59	Tipo di acciaio non contemplato
1C	50	-88	-257	-32	0	-15	-64	Tipo di acciaio non contemplato
1D	50	-88	236	-32	0	-15	59	Tipo di acciaio non contemplato
1E	50	192	-257	29	0	16	-64	Tipo di acciaio non contemplato
1F	50	192	236	29	0	16	59	Tipo di acciaio non contemplato
1G	50	192	-257	-32	0	-15	-64	Tipo di acciaio non contemplato
1H	50	192	236	-32	0	-15	59	Tipo di acciaio non contemplato
1I	50	-32	-576	17	0	10	-144	Tipo di acciaio non contemplato
1J	50	-32	555	17	0	10	139	Tipo di acciaio non contemplato
1K	50	-32	-576	-19	0	-9	-144	Tipo di acciaio non contemplato
1L	50	-32	555	-19	0	-9	139	Tipo di acciaio non contemplato
1M	50	137	-576	17	0	10	-144	Tipo di acciaio non contemplato
1N	50	137	555	17	0	10	139	Tipo di acciaio non contemplato
1O	50	137	-576	-19	0	-9	-144	Tipo di acciaio non contemplato
1P	50	137	555	-19	0	-9	139	Tipo di acciaio non contemplato
2	50	333	-261	-3	0	2	-65	Tipo di acciaio non contemplato
7	50	334	-261	-3	0	2	-65	Tipo di acciaio non contemplato
8	50	253	-188	-3	0	1	-46	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-88	10	26								Tipo di acciaio non contemplato
1B	-88	10	24								Tipo di acciaio non contemplato
1C	-88	9	26								Tipo di acciaio non contemplato
1D	-88	9	24								Tipo di acciaio non contemplato
1E	192	10	26								Tipo di acciaio non contemplato
1F	192	10	24								Tipo di acciaio non contemplato
1G	192	9	26								Tipo di acciaio non contemplato
1H	192	9	24								Tipo di acciaio non contemplato
1I	-32	7	57								Tipo di acciaio non contemplato
1J	-32	7	56								Tipo di acciaio non contemplato
1K	-32	6	57								Tipo di acciaio non contemplato
1L	-32	6	56								Tipo di acciaio non contemplato
1M	137	7	57								Tipo di acciaio non contemplato
1N	137	7	56								Tipo di acciaio non contemplato
1O	137	6	57								Tipo di acciaio non contemplato
1P	137	6	56								Tipo di acciaio non contemplato
2	333	1	26								Tipo di acciaio non contemplato
7	334	1	26								Tipo di acciaio non contemplato
8	253	1	19								Tipo di acciaio non contemplato

ASTA NUM. 36 NI 172 NF 164 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-67	-439	29	0	0	110								Tipo di acciaio non contemplato
1B	0	-67	399	29	0	0	-99								Tipo di acciaio non contemplato
1C	0	-67	-439	-29	0	0	110								Tipo di acciaio non contemplato
1D	0	-67	399	-29	0	0	-99								Tipo di acciaio non contemplato
1E	0	278	-439	29	0	0	110								Tipo di acciaio non contemplato
1F	0	278	399	29	0	0	-99								Tipo di acciaio non contemplato

1G	0	278	-439	-29	0	0	110	Tipo di acciaio non contemplato
1H	0	278	399	-29	0	0	-99	Tipo di acciaio non contemplato
1I	0	26	-714	15	0	0	179	Tipo di acciaio non contemplato
1J	0	26	675	15	0	0	-168	Tipo di acciaio non contemplato
1K	0	26	-714	-15	0	0	179	Tipo di acciaio non contemplato
1L	0	26	675	-15	0	0	-168	Tipo di acciaio non contemplato
1M	0	185	-714	15	0	0	179	Tipo di acciaio non contemplato
1N	0	185	675	15	0	0	-168	Tipo di acciaio non contemplato
1O	0	185	-714	-15	0	0	179	Tipo di acciaio non contemplato
1P	0	185	675	-15	0	0	-168	Tipo di acciaio non contemplato
2	0	220	-251	-4	0	0	63	Tipo di acciaio non contemplato
7	0	220	-252	-4	0	0	63	Tipo di acciaio non contemplato
8	0	195	-184	-3	0	0	47	Tipo di acciaio non contemplato
1A	25	-67	-441	29	0	8	0	Tipo di acciaio non contemplato
1B	25	-67	397	29	0	8	0	Tipo di acciaio non contemplato
1C	25	-67	-441	-29	0	-8	0	Tipo di acciaio non contemplato
1D	25	-67	397	-29	0	-8	0	Tipo di acciaio non contemplato
1E	25	278	-441	29	0	8	0	Tipo di acciaio non contemplato
1F	25	278	397	29	0	8	0	Tipo di acciaio non contemplato
1G	25	278	-441	-29	0	-8	0	Tipo di acciaio non contemplato
1H	25	278	397	-29	0	-8	0	Tipo di acciaio non contemplato
1I	25	26	-717	15	0	4	0	Tipo di acciaio non contemplato
1J	25	26	672	15	0	4	0	Tipo di acciaio non contemplato
1K	25	26	-717	-15	0	-4	0	Tipo di acciaio non contemplato
1L	25	26	672	-15	0	-4	0	Tipo di acciaio non contemplato
1M	25	185	-717	15	0	4	0	Tipo di acciaio non contemplato
1N	25	185	672	15	0	4	0	Tipo di acciaio non contemplato
1O	25	185	-717	-15	0	-4	0	Tipo di acciaio non contemplato
1P	25	185	672	-15	0	-4	0	Tipo di acciaio non contemplato
2	25	220	-254	-4	0	0	0	Tipo di acciaio non contemplato
7	25	220	-255	-4	0	0	0	Tipo di acciaio non contemplato
8	25	195	-187	-3	0	0	0	Tipo di acciaio non contemplato
1A	50	-67	-444	29	0	15	-111	Tipo di acciaio non contemplato
1B	50	-67	395	29	0	15	99	Tipo di acciaio non contemplato
1C	50	-67	-444	-29	0	-15	-111	Tipo di acciaio non contemplato
1D	50	-67	395	-29	0	-15	99	Tipo di acciaio non contemplato
1E	50	278	-444	29	0	15	-111	Tipo di acciaio non contemplato
1F	50	278	395	29	0	15	99	Tipo di acciaio non contemplato
1G	50	278	-444	-29	0	-15	-111	Tipo di acciaio non contemplato
1H	50	278	395	-29	0	-15	99	Tipo di acciaio non contemplato
1I	50	26	-719	15	0	8	-179	Tipo di acciaio non contemplato
1J	50	26	670	15	0	8	168	Tipo di acciaio non contemplato
1K	50	26	-719	-15	0	-8	-179	Tipo di acciaio non contemplato
1L	50	26	670	-15	0	-8	168	Tipo di acciaio non contemplato
1M	50	185	-719	15	0	8	-179	Tipo di acciaio non contemplato
1N	50	185	670	15	0	8	168	Tipo di acciaio non contemplato
1O	50	185	-719	-15	0	-8	-179	Tipo di acciaio non contemplato
1P	50	185	670	-15	0	-8	168	Tipo di acciaio non contemplato
2	50	220	-257	-4	0	2	-64	Tipo di acciaio non contemplato
7	50	220	-258	-4	0	2	-64	Tipo di acciaio non contemplato
8	50	195	-190	-3	0	1	-47	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-67	9	44								Tipo di acciaio non contemplato
1B	-67	9	40								Tipo di acciaio non contemplato
1C	-67	9	44								Tipo di acciaio non contemplato
1D	-67	9	40								Tipo di acciaio non contemplato
1E	278	9	44								Tipo di acciaio non contemplato
1F	278	9	40								Tipo di acciaio non contemplato
1G	278	9	44								Tipo di acciaio non contemplato
1H	278	9	40								Tipo di acciaio non contemplato
1I	26	5	72								Tipo di acciaio non contemplato
1J	26	5	67								Tipo di acciaio non contemplato
1K	26	5	72								Tipo di acciaio non contemplato
1L	26	5	67								Tipo di acciaio non contemplato
1M	185	5	72								Tipo di acciaio non contemplato
1N	185	5	67								Tipo di acciaio non contemplato
1O	185	5	72								Tipo di acciaio non contemplato
1P	185	5	67								Tipo di acciaio non contemplato
2	220	1	25								Tipo di acciaio non contemplato
7	220	1	26								Tipo di acciaio non contemplato
8	195	1	19								Tipo di acciaio non contemplato

ASTA NUM. 37 NI 31 NF 23 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-142	-221	6	0	0	56								Tipo di acciaio non contemplato
1B	0	-142	63	6	0	0	-15								Tipo di acciaio non contemplato
1C	0	-142	-221	-6	0	0	56								Tipo di acciaio non contemplato
1D	0	-142	63	-6	0	0	-15								Tipo di acciaio non contemplato

1E	0	249	-221	6	0	0	56	Tipo di acciaio non contemplato
1F	0	249	63	6	0	0	-15	Tipo di acciaio non contemplato
1G	0	249	-221	-6	0	0	56	Tipo di acciaio non contemplato
1H	0	249	63	-6	0	0	-15	Tipo di acciaio non contemplato
1I	0	-29	-260	6	0	0	65	Tipo di acciaio non contemplato
1J	0	-29	102	6	0	0	-25	Tipo di acciaio non contemplato
1K	0	-29	-260	-6	0	0	65	Tipo di acciaio non contemplato
1L	0	-29	102	-6	0	0	-25	Tipo di acciaio non contemplato
1M	0	136	-260	6	0	0	65	Tipo di acciaio non contemplato
1N	0	136	102	6	0	0	-25	Tipo di acciaio non contemplato
1O	0	136	-260	-6	0	0	65	Tipo di acciaio non contemplato
1P	0	136	102	-6	0	0	-25	Tipo di acciaio non contemplato
2	0	214	-649	-0	0	0	163	Tipo di acciaio non contemplato
7	0	182	-557	-0	0	0	140	Tipo di acciaio non contemplato
8	0	172	-496	-0	0	0	125	Tipo di acciaio non contemplato
1A	25	-142	-223	6	0	2	0	Tipo di acciaio non contemplato
1B	25	-142	60	6	0	2	0	Tipo di acciaio non contemplato
1C	25	-142	-223	-6	0	-2	0	Tipo di acciaio non contemplato
1D	25	-142	60	-6	0	-2	0	Tipo di acciaio non contemplato
1E	25	249	-223	6	0	2	0	Tipo di acciaio non contemplato
1F	25	249	60	6	0	2	0	Tipo di acciaio non contemplato
1G	25	249	-223	-6	0	-2	0	Tipo di acciaio non contemplato
1H	25	249	60	-6	0	-2	0	Tipo di acciaio non contemplato
1I	25	-29	-262	6	0	-1	0	Tipo di acciaio non contemplato
1J	25	-29	100	6	0	-1	0	Tipo di acciaio non contemplato
1K	25	-29	-262	-6	0	1	0	Tipo di acciaio non contemplato
1L	25	-29	100	-6	0	1	0	Tipo di acciaio non contemplato
1M	25	136	-262	6	0	-1	0	Tipo di acciaio non contemplato
1N	25	136	100	6	0	-1	0	Tipo di acciaio non contemplato
1O	25	136	-262	-6	0	1	0	Tipo di acciaio non contemplato
1P	25	136	100	-6	0	1	0	Tipo di acciaio non contemplato
2	25	214	-652	-0	0	0	0	Tipo di acciaio non contemplato
7	25	182	-560	-0	0	0	0	Tipo di acciaio non contemplato
8	25	172	-499	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	-142	-225	6	0	3	-56	Tipo di acciaio non contemplato
1B	50	-142	58	6	0	3	15	Tipo di acciaio non contemplato
1C	50	-142	-225	-6	0	-3	-56	Tipo di acciaio non contemplato
1D	50	-142	58	-6	0	-3	15	Tipo di acciaio non contemplato
1E	50	249	-225	6	0	3	-56	Tipo di acciaio non contemplato
1F	50	249	58	6	0	3	15	Tipo di acciaio non contemplato
1G	50	249	-225	-6	0	-3	-56	Tipo di acciaio non contemplato
1H	50	249	58	-6	0	-3	15	Tipo di acciaio non contemplato
1I	50	-29	-264	6	0	-3	-66	Tipo di acciaio non contemplato
1J	50	-29	97	6	0	-3	25	Tipo di acciaio non contemplato
1K	50	-29	-264	-6	0	3	-66	Tipo di acciaio non contemplato
1L	50	-29	97	-6	0	3	25	Tipo di acciaio non contemplato
1M	50	136	-264	6	0	-3	-66	Tipo di acciaio non contemplato
1N	50	136	97	6	0	-3	25	Tipo di acciaio non contemplato
1O	50	136	-264	-6	0	3	-66	Tipo di acciaio non contemplato
1P	50	136	97	-6	0	3	25	Tipo di acciaio non contemplato
2	50	214	-654	-0	0	0	-163	Tipo di acciaio non contemplato
7	50	182	-562	-0	0	0	-140	Tipo di acciaio non contemplato
8	50	172	-502	-0	0	0	-125	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-142	2	22								Tipo di acciaio non contemplato
1B	-142	2	6								Tipo di acciaio non contemplato
1C	-142	2	22								Tipo di acciaio non contemplato
1D	-142	2	6								Tipo di acciaio non contemplato
1E	249	2	22								Tipo di acciaio non contemplato
1F	249	2	6								Tipo di acciaio non contemplato
1G	249	2	22								Tipo di acciaio non contemplato
1H	249	2	6								Tipo di acciaio non contemplato
1I	-29	2	26								Tipo di acciaio non contemplato
1J	-29	2	10								Tipo di acciaio non contemplato
1K	-29	2	26								Tipo di acciaio non contemplato
1L	-29	2	10								Tipo di acciaio non contemplato
1M	136	2	26								Tipo di acciaio non contemplato
1N	136	2	10								Tipo di acciaio non contemplato
1O	136	2	26								Tipo di acciaio non contemplato
1P	136	2	10								Tipo di acciaio non contemplato
2	214	0	65								Tipo di acciaio non contemplato
7	182	0	56								Tipo di acciaio non contemplato
8	172	0	50								Tipo di acciaio non contemplato

ASTA NUM. 38 NI 71 NF 63 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-77	-320	4	0	0	80								Tipo di acciaio non contemplato
1B	0	-77	111	4	0	0	-27								Tipo di acciaio non contemplato

1C	0	-77	-320	-3	0	0	80	Tipo di acciaio non contemplato
1D	0	-77	111	-3	0	0	-27	Tipo di acciaio non contemplato
1E	0	235	-320	4	0	0	80	Tipo di acciaio non contemplato
1F	0	235	111	4	0	0	-27	Tipo di acciaio non contemplato
1G	0	235	-320	-3	0	0	80	Tipo di acciaio non contemplato
1H	0	235	111	-3	0	0	-27	Tipo di acciaio non contemplato
1I	0	9	-453	2	0	0	114	Tipo di acciaio non contemplato
1J	0	9	244	2	0	0	-61	Tipo di acciaio non contemplato
1K	0	9	-453	-2	0	0	114	Tipo di acciaio non contemplato
1L	0	9	244	-2	0	0	-61	Tipo di acciaio non contemplato
1M	0	149	-453	2	0	0	114	Tipo di acciaio non contemplato
1N	0	149	244	2	0	0	-61	Tipo di acciaio non contemplato
1O	0	149	-453	-2	0	0	114	Tipo di acciaio non contemplato
1P	0	149	244	-2	0	0	-61	Tipo di acciaio non contemplato
2	0	345	-852	1	0	0	214	Tipo di acciaio non contemplato
7	0	294	-743	1	0	0	186	Tipo di acciaio non contemplato
8	0	272	-644	1	0	0	162	Tipo di acciaio non contemplato
1A	25	-77	-322	4	0	0	0	Tipo di acciaio non contemplato
1B	25	-77	109	4	0	0	0	Tipo di acciaio non contemplato
1C	25	-77	-322	-3	0	0	0	Tipo di acciaio non contemplato
1D	25	-77	109	-3	0	0	0	Tipo di acciaio non contemplato
1E	25	235	-322	4	0	0	0	Tipo di acciaio non contemplato
1F	25	235	109	4	0	0	0	Tipo di acciaio non contemplato
1G	25	235	-322	-3	0	0	0	Tipo di acciaio non contemplato
1H	25	235	109	-3	0	0	0	Tipo di acciaio non contemplato
1I	25	9	-455	2	0	0	0	Tipo di acciaio non contemplato
1J	25	9	242	2	0	0	0	Tipo di acciaio non contemplato
1K	25	9	-455	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	9	242	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	149	-455	2	0	0	0	Tipo di acciaio non contemplato
1N	25	149	242	2	0	0	0	Tipo di acciaio non contemplato
1O	25	149	-455	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	149	242	-2	0	0	0	Tipo di acciaio non contemplato
2	25	345	-855	1	0	0	0	Tipo di acciaio non contemplato
7	25	294	-746	1	0	0	0	Tipo di acciaio non contemplato
8	25	272	-647	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-77	-324	4	0	-1	-81	Tipo di acciaio non contemplato
1B	50	-77	107	4	0	-1	27	Tipo di acciaio non contemplato
1C	50	-77	-324	-3	0	1	-81	Tipo di acciaio non contemplato
1D	50	-77	107	-3	0	1	27	Tipo di acciaio non contemplato
1E	50	235	-324	4	0	-1	-81	Tipo di acciaio non contemplato
1F	50	235	107	4	0	-1	27	Tipo di acciaio non contemplato
1G	50	235	-324	-3	0	1	-81	Tipo di acciaio non contemplato
1H	50	235	107	-3	0	1	27	Tipo di acciaio non contemplato
1I	50	9	-458	2	0	0	-114	Tipo di acciaio non contemplato
1J	50	9	240	2	0	0	60	Tipo di acciaio non contemplato
1K	50	9	-458	-2	0	0	-114	Tipo di acciaio non contemplato
1L	50	9	240	-2	0	0	60	Tipo di acciaio non contemplato
1M	50	149	-458	2	0	0	-114	Tipo di acciaio non contemplato
1N	50	149	240	2	0	0	60	Tipo di acciaio non contemplato
1O	50	149	-458	-2	0	0	-114	Tipo di acciaio non contemplato
1P	50	149	240	-2	0	0	60	Tipo di acciaio non contemplato
2	50	345	-858	1	0	0	-214	Tipo di acciaio non contemplato
7	50	294	-749	1	0	0	-187	Tipo di acciaio non contemplato
8	50	272	-650	1	0	0	-162	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-77	1	32								Tipo di acciaio non contemplato
1B	-77	1	11								Tipo di acciaio non contemplato
1C	-77	1	32								Tipo di acciaio non contemplato
1D	-77	1	11								Tipo di acciaio non contemplato
1E	235	1	32								Tipo di acciaio non contemplato
1F	235	1	11								Tipo di acciaio non contemplato
1G	235	1	32								Tipo di acciaio non contemplato
1H	235	1	11								Tipo di acciaio non contemplato
1I	9	0	46								Tipo di acciaio non contemplato
1J	9	0	24								Tipo di acciaio non contemplato
1K	9	0	46								Tipo di acciaio non contemplato
1L	9	0	24								Tipo di acciaio non contemplato
1M	149	0	46								Tipo di acciaio non contemplato
1N	149	0	24								Tipo di acciaio non contemplato
1O	149	0	46								Tipo di acciaio non contemplato
1P	149	0	24								Tipo di acciaio non contemplato
2	345	0	86								Tipo di acciaio non contemplato
7	294	0	75								Tipo di acciaio non contemplato
8	272	0	65								Tipo di acciaio non contemplato

ASTA NUM. 39 NI 111 NF 103 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-61	-276	3	0	0	69	Tipo di acciaio non contemplato
1B	0	-61	217	3	0	0	-54	Tipo di acciaio non contemplato
1C	0	-61	-276	-3	0	0	69	Tipo di acciaio non contemplato
1D	0	-61	217	-3	0	0	-54	Tipo di acciaio non contemplato
1E	0	222	-276	3	0	0	69	Tipo di acciaio non contemplato
1F	0	222	217	3	0	0	-54	Tipo di acciaio non contemplato
1G	0	222	-276	-3	0	0	69	Tipo di acciaio non contemplato
1H	0	222	217	-3	0	0	-54	Tipo di acciaio non contemplato
1I	0	17	-630	2	0	0	158	Tipo di acciaio non contemplato
1J	0	17	571	2	0	0	-142	Tipo di acciaio non contemplato
1K	0	17	-630	-2	0	0	158	Tipo di acciaio non contemplato
1L	0	17	571	-2	0	0	-142	Tipo di acciaio non contemplato
1M	0	144	-630	2	0	0	158	Tipo di acciaio non contemplato
1N	0	144	571	2	0	0	-142	Tipo di acciaio non contemplato
1O	0	144	-630	-2	0	0	158	Tipo di acciaio non contemplato
1P	0	144	571	-2	0	0	-142	Tipo di acciaio non contemplato
2	0	247	-482	1	0	0	121	Tipo di acciaio non contemplato
7	0	221	-462	1	0	0	116	Tipo di acciaio non contemplato
8	0	205	-353	1	0	0	89	Tipo di acciaio non contemplato
1A	25	-61	-278	3	0	0	0	Tipo di acciaio non contemplato
1B	25	-61	215	3	0	0	0	Tipo di acciaio non contemplato
1C	25	-61	-278	-3	0	0	0	Tipo di acciaio non contemplato
1D	25	-61	215	-3	0	0	0	Tipo di acciaio non contemplato
1E	25	222	-278	3	0	0	0	Tipo di acciaio non contemplato
1F	25	222	215	3	0	0	0	Tipo di acciaio non contemplato
1G	25	222	-278	-3	0	0	0	Tipo di acciaio non contemplato
1H	25	222	215	-3	0	0	0	Tipo di acciaio non contemplato
1I	25	17	-632	2	0	0	0	Tipo di acciaio non contemplato
1J	25	17	569	2	0	0	0	Tipo di acciaio non contemplato
1K	25	17	-632	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	17	569	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	144	-632	2	0	0	0	Tipo di acciaio non contemplato
1N	25	144	569	2	0	0	0	Tipo di acciaio non contemplato
1O	25	144	-632	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	144	569	-2	0	0	0	Tipo di acciaio non contemplato
2	25	247	-485	1	0	0	0	Tipo di acciaio non contemplato
7	25	221	-465	1	0	0	0	Tipo di acciaio non contemplato
8	25	205	-356	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-61	-280	3	0	-1	-70	Tipo di acciaio non contemplato
1B	50	-61	213	3	0	-1	54	Tipo di acciaio non contemplato
1C	50	-61	-280	-3	0	1	-70	Tipo di acciaio non contemplato
1D	50	-61	213	-3	0	1	54	Tipo di acciaio non contemplato
1E	50	222	-280	3	0	-1	-70	Tipo di acciaio non contemplato
1F	50	222	213	3	0	-1	54	Tipo di acciaio non contemplato
1G	50	222	-280	-3	0	1	-70	Tipo di acciaio non contemplato
1H	50	222	213	-3	0	1	54	Tipo di acciaio non contemplato
1I	50	17	-634	2	0	0	-158	Tipo di acciaio non contemplato
1J	50	17	567	2	0	0	142	Tipo di acciaio non contemplato
1K	50	17	-634	-2	0	0	-158	Tipo di acciaio non contemplato
1L	50	17	567	-2	0	0	142	Tipo di acciaio non contemplato
1M	50	144	-634	2	0	0	-158	Tipo di acciaio non contemplato
1N	50	144	567	2	0	0	142	Tipo di acciaio non contemplato
1O	50	144	-634	-2	0	0	-158	Tipo di acciaio non contemplato
1P	50	144	567	-2	0	0	142	Tipo di acciaio non contemplato
2	50	247	-488	1	0	0	-121	Tipo di acciaio non contemplato
7	50	221	-468	1	0	0	-116	Tipo di acciaio non contemplato
8	50	205	-359	1	0	0	-89	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-61	1	28								Tipo di acciaio non contemplato
1B	-61	1	22								Tipo di acciaio non contemplato
1C	-61	0	28								Tipo di acciaio non contemplato
1D	-61	0	22								Tipo di acciaio non contemplato
1E	222	1	28								Tipo di acciaio non contemplato
1F	222	1	22								Tipo di acciaio non contemplato
1G	222	0	28								Tipo di acciaio non contemplato
1H	222	0	22								Tipo di acciaio non contemplato
1I	17	0	63								Tipo di acciaio non contemplato
1J	17	0	57								Tipo di acciaio non contemplato
1K	17	0	63								Tipo di acciaio non contemplato
1L	17	0	57								Tipo di acciaio non contemplato
1M	144	0	63								Tipo di acciaio non contemplato
1N	144	0	57								Tipo di acciaio non contemplato
1O	144	0	63								Tipo di acciaio non contemplato
1P	144	0	57								Tipo di acciaio non contemplato
2	247	0	49								Tipo di acciaio non contemplato
7	221	0	47								Tipo di acciaio non contemplato
8	205	0	36								Tipo di acciaio non contemplato

ASTA NUM. 40 NI 151 NF 143 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-110	-255	15	0	0	64	Tipo di acciaio non contemplato
1B	0	-110	241	15	0	0	-60	Tipo di acciaio non contemplato
1C	0	-110	-255	-15	0	0	64	Tipo di acciaio non contemplato
1D	0	-110	241	-15	0	0	-60	Tipo di acciaio non contemplato
1E	0	226	-255	15	0	0	64	Tipo di acciaio non contemplato
1F	0	226	241	15	0	0	-60	Tipo di acciaio non contemplato
1G	0	226	-255	-15	0	0	64	Tipo di acciaio non contemplato
1H	0	226	241	-15	0	0	-60	Tipo di acciaio non contemplato
1I	0	-27	-585	7	0	0	147	Tipo di acciaio non contemplato
1J	0	-27	570	7	0	0	-142	Tipo di acciaio non contemplato
1K	0	-27	-585	-6	0	0	147	Tipo di acciaio non contemplato
1L	0	-27	570	-6	0	0	-142	Tipo di acciaio non contemplato
1M	0	143	-585	7	0	0	147	Tipo di acciaio non contemplato
1N	0	143	570	7	0	0	-142	Tipo di acciaio non contemplato
1O	0	143	-585	-6	0	0	147	Tipo di acciaio non contemplato
1P	0	143	570	-6	0	0	-142	Tipo di acciaio non contemplato
2	0	128	-344	-1	0	0	87	Tipo di acciaio non contemplato
7	0	129	-344	-1	0	0	87	Tipo di acciaio non contemplato
8	0	112	-245	-1	0	0	62	Tipo di acciaio non contemplato
1A	25	-110	-258	15	0	4	0	Tipo di acciaio non contemplato
1B	25	-110	239	15	0	4	0	Tipo di acciaio non contemplato
1C	25	-110	-258	-15	0	-4	0	Tipo di acciaio non contemplato
1D	25	-110	239	-15	0	-4	0	Tipo di acciaio non contemplato
1E	25	226	-258	15	0	4	0	Tipo di acciaio non contemplato
1F	25	226	239	15	0	4	0	Tipo di acciaio non contemplato
1G	25	226	-258	-15	0	-4	0	Tipo di acciaio non contemplato
1H	25	226	239	-15	0	-4	0	Tipo di acciaio non contemplato
1I	25	-27	-587	7	0	2	0	Tipo di acciaio non contemplato
1J	25	-27	568	7	0	2	0	Tipo di acciaio non contemplato
1K	25	-27	-587	-6	0	-2	0	Tipo di acciaio non contemplato
1L	25	-27	568	-6	0	-2	0	Tipo di acciaio non contemplato
1M	25	143	-587	7	0	2	0	Tipo di acciaio non contemplato
1N	25	143	568	7	0	2	0	Tipo di acciaio non contemplato
1O	25	143	-587	-6	0	-2	0	Tipo di acciaio non contemplato
1P	25	143	568	-6	0	-2	0	Tipo di acciaio non contemplato
2	25	128	-347	-1	0	0	0	Tipo di acciaio non contemplato
7	25	129	-347	-1	0	0	0	Tipo di acciaio non contemplato
8	25	112	-248	-1	0	0	0	Tipo di acciaio non contemplato
1A	50	-110	-260	15	0	8	-65	Tipo di acciaio non contemplato
1B	50	-110	236	15	0	8	59	Tipo di acciaio non contemplato
1C	50	-110	-260	-15	0	-8	-65	Tipo di acciaio non contemplato
1D	50	-110	236	-15	0	-8	59	Tipo di acciaio non contemplato
1E	50	226	-260	15	0	8	-65	Tipo di acciaio non contemplato
1F	50	226	236	15	0	8	59	Tipo di acciaio non contemplato
1G	50	226	-260	-15	0	-8	-65	Tipo di acciaio non contemplato
1H	50	226	236	-15	0	-8	59	Tipo di acciaio non contemplato
1I	50	-27	-589	7	0	3	-147	Tipo di acciaio non contemplato
1J	50	-27	566	7	0	3	142	Tipo di acciaio non contemplato
1K	50	-27	-589	-6	0	-3	-147	Tipo di acciaio non contemplato
1L	50	-27	566	-6	0	-3	142	Tipo di acciaio non contemplato
1M	50	143	-589	7	0	3	-147	Tipo di acciaio non contemplato
1N	50	143	566	7	0	3	142	Tipo di acciaio non contemplato
1O	50	143	-589	-6	0	-3	-147	Tipo di acciaio non contemplato
1P	50	143	566	-6	0	-3	142	Tipo di acciaio non contemplato
2	50	128	-350	-1	0	0	-87	Tipo di acciaio non contemplato
7	50	129	-350	-1	0	0	-87	Tipo di acciaio non contemplato
8	50	112	-251	-1	0	0	-62	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-110	5	26							Tipo di acciaio non contemplato	
1B	-110	5	24							Tipo di acciaio non contemplato	
1C	-110	5	26							Tipo di acciaio non contemplato	
1D	-110	5	24							Tipo di acciaio non contemplato	
1E	226	5	26							Tipo di acciaio non contemplato	
1F	226	5	24							Tipo di acciaio non contemplato	
1G	226	5	26							Tipo di acciaio non contemplato	
1H	226	5	24							Tipo di acciaio non contemplato	
1I	-27	2	59							Tipo di acciaio non contemplato	
1J	-27	2	57							Tipo di acciaio non contemplato	
1K	-27	2	59							Tipo di acciaio non contemplato	
1L	-27	2	57							Tipo di acciaio non contemplato	
1M	143	2	59							Tipo di acciaio non contemplato	
1N	143	2	57							Tipo di acciaio non contemplato	
1O	143	2	59							Tipo di acciaio non contemplato	
1P	143	2	57							Tipo di acciaio non contemplato	
2	128	0	35							Tipo di acciaio non contemplato	
7	129	0	35							Tipo di acciaio non contemplato	
8	112	0	25							Tipo di acciaio non contemplato	

ASTA NUM. 41 NI 171 NF 163 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota

	cm	kg		kg*m			kg/cmq	
1A	0	-114	-429	16	0	0	108	Tipo di acciaio non contemplato
1B	0	-114	389	16	0	0	-97	Tipo di acciaio non contemplato
1C	0	-114	-429	-15	0	0	108	Tipo di acciaio non contemplato
1D	0	-114	389	-15	0	0	-97	Tipo di acciaio non contemplato
1E	0	325	-429	16	0	0	108	Tipo di acciaio non contemplato
1F	0	325	389	16	0	0	-97	Tipo di acciaio non contemplato
1G	0	325	-429	-15	0	0	108	Tipo di acciaio non contemplato
1H	0	325	389	-15	0	0	-97	Tipo di acciaio non contemplato
1I	0	-7	-716	7	0	0	180	Tipo di acciaio non contemplato
1J	0	-7	677	7	0	0	-169	Tipo di acciaio non contemplato
1K	0	-7	-716	-6	0	0	180	Tipo di acciaio non contemplato
1L	0	-7	677	-6	0	0	-169	Tipo di acciaio non contemplato
1M	0	218	-716	7	0	0	180	Tipo di acciaio non contemplato
1N	0	218	677	7	0	0	-169	Tipo di acciaio non contemplato
1O	0	218	-716	-6	0	0	180	Tipo di acciaio non contemplato
1P	0	218	677	-6	0	0	-169	Tipo di acciaio non contemplato
2	0	144	-281	-1	0	0	71	Tipo di acciaio non contemplato
7	0	144	-282	-1	0	0	71	Tipo di acciaio non contemplato
8	0	142	-205	-0	0	0	52	Tipo di acciaio non contemplato
1A	25	-114	-431	16	0	4	0	Tipo di acciaio non contemplato
1B	25	-114	387	16	0	4	0	Tipo di acciaio non contemplato
1C	25	-114	-431	-15	0	-4	0	Tipo di acciaio non contemplato
1D	25	-114	387	-15	0	-4	0	Tipo di acciaio non contemplato
1E	25	325	-431	16	0	4	0	Tipo di acciaio non contemplato
1F	25	325	387	16	0	4	0	Tipo di acciaio non contemplato
1G	25	325	-431	-15	0	-4	0	Tipo di acciaio non contemplato
1H	25	325	387	-15	0	-4	0	Tipo di acciaio non contemplato
1I	25	-7	-718	7	0	2	0	Tipo di acciaio non contemplato
1J	25	-7	674	7	0	2	0	Tipo di acciaio non contemplato
1K	25	-7	-718	-6	0	-2	0	Tipo di acciaio non contemplato
1L	25	-7	674	-6	0	-2	0	Tipo di acciaio non contemplato
1M	25	218	-718	7	0	2	0	Tipo di acciaio non contemplato
1N	25	218	674	7	0	2	0	Tipo di acciaio non contemplato
1O	25	218	-718	-6	0	-2	0	Tipo di acciaio non contemplato
1P	25	218	674	-6	0	-2	0	Tipo di acciaio non contemplato
2	25	144	-284	-1	0	0	0	Tipo di acciaio non contemplato
7	25	144	-284	-1	0	0	0	Tipo di acciaio non contemplato
8	25	142	-208	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	-114	-433	16	0	8	-108	Tipo di acciaio non contemplato
1B	50	-114	385	16	0	8	97	Tipo di acciaio non contemplato
1C	50	-114	-433	-15	0	-8	-108	Tipo di acciaio non contemplato
1D	50	-114	385	-15	0	-8	97	Tipo di acciaio non contemplato
1E	50	325	-433	16	0	8	-108	Tipo di acciaio non contemplato
1F	50	325	385	16	0	8	97	Tipo di acciaio non contemplato
1G	50	325	-433	-15	0	-8	-108	Tipo di acciaio non contemplato
1H	50	325	385	-15	0	-8	97	Tipo di acciaio non contemplato
1I	50	-7	-721	7	0	3	-180	Tipo di acciaio non contemplato
1J	50	-7	672	7	0	3	168	Tipo di acciaio non contemplato
1K	50	-7	-721	-6	0	-3	-180	Tipo di acciaio non contemplato
1L	50	-7	672	-6	0	-3	168	Tipo di acciaio non contemplato
1M	50	218	-721	7	0	3	-180	Tipo di acciaio non contemplato
1N	50	218	672	7	0	3	168	Tipo di acciaio non contemplato
1O	50	218	-721	-6	0	-3	-180	Tipo di acciaio non contemplato
1P	50	218	672	-6	0	-3	168	Tipo di acciaio non contemplato
2	50	144	-287	-1	0	0	-71	Tipo di acciaio non contemplato
7	50	144	-287	-1	0	0	-71	Tipo di acciaio non contemplato
8	50	142	-211	-0	0	0	-52	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-114	5	43							Tipo di acciaio non contemplato	
1B	-114	5	39							Tipo di acciaio non contemplato	
1C	-114	5	43							Tipo di acciaio non contemplato	
1D	-114	5	39							Tipo di acciaio non contemplato	
1E	325	5	43							Tipo di acciaio non contemplato	
1F	325	5	39							Tipo di acciaio non contemplato	
1G	325	5	43							Tipo di acciaio non contemplato	
1H	325	5	39							Tipo di acciaio non contemplato	
1I	-7	2	72							Tipo di acciaio non contemplato	
1J	-7	2	68							Tipo di acciaio non contemplato	
1K	-7	2	72							Tipo di acciaio non contemplato	
1L	-7	2	68							Tipo di acciaio non contemplato	
1M	218	2	72							Tipo di acciaio non contemplato	
1N	218	2	68							Tipo di acciaio non contemplato	
1O	218	2	72							Tipo di acciaio non contemplato	
1P	218	2	68							Tipo di acciaio non contemplato	
2	144	0	28							Tipo di acciaio non contemplato	
7	144	0	29							Tipo di acciaio non contemplato	
8	142	0	21							Tipo di acciaio non contemplato	

ASTA NUM. 42 NI 30 NF 22 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-192	-254	11	0	0	64								Tipo di acciaio non contemplato
1B	0	-192	92	11	0	0	-23								Tipo di acciaio non contemplato
1C	0	-192	-254	-12	0	0	64								Tipo di acciaio non contemplato
1D	0	-192	92	-12	0	0	-23								Tipo di acciaio non contemplato
1E	0	312	-254	11	0	0	64								Tipo di acciaio non contemplato
1F	0	312	92	11	0	0	-23								Tipo di acciaio non contemplato
1G	0	312	-254	-12	0	0	64								Tipo di acciaio non contemplato
1H	0	312	92	-12	0	0	-23								Tipo di acciaio non contemplato
1I	0	-33	-282	10	0	0	71								Tipo di acciaio non contemplato
1J	0	-33	120	10	0	0	-30								Tipo di acciaio non contemplato
1K	0	-33	-282	-11	0	0	71								Tipo di acciaio non contemplato
1L	0	-33	120	-11	0	0	-30								Tipo di acciaio non contemplato
1M	0	152	-282	10	0	0	71								Tipo di acciaio non contemplato
1N	0	152	120	10	0	0	-30								Tipo di acciaio non contemplato
1O	0	152	-282	-11	0	0	71								Tipo di acciaio non contemplato
1P	0	152	120	-11	0	0	-30								Tipo di acciaio non contemplato
2	0	464	-752	-5	0	0	188								Tipo di acciaio non contemplato
7	0	428	-658	-4	0	0	165								Tipo di acciaio non contemplato
8	0	352	-570	-4	0	0	143								Tipo di acciaio non contemplato
1A	25	-192	-256	11	0	-3	0								Tipo di acciaio non contemplato
1B	25	-192	90	11	0	-3	0								Tipo di acciaio non contemplato
1C	25	-192	-256	-12	0	3	0								Tipo di acciaio non contemplato
1D	25	-192	90	-12	0	3	0								Tipo di acciaio non contemplato
1E	25	312	-256	11	0	-3	0								Tipo di acciaio non contemplato
1F	25	312	90	11	0	-3	0								Tipo di acciaio non contemplato
1G	25	312	-256	-12	0	3	0								Tipo di acciaio non contemplato
1H	25	312	90	-12	0	3	0								Tipo di acciaio non contemplato
1I	25	-33	-284	10	0	3	0								Tipo di acciaio non contemplato
1J	25	-33	118	10	0	3	0								Tipo di acciaio non contemplato
1K	25	-33	-284	-11	0	-3	0								Tipo di acciaio non contemplato
1L	25	-33	118	-11	0	-3	0								Tipo di acciaio non contemplato
1M	25	152	-284	10	0	3	0								Tipo di acciaio non contemplato
1N	25	152	118	10	0	3	0								Tipo di acciaio non contemplato
1O	25	152	-284	-11	0	-3	0								Tipo di acciaio non contemplato
1P	25	152	118	-11	0	-3	0								Tipo di acciaio non contemplato
2	25	464	-755	-5	0	1	0								Tipo di acciaio non contemplato
7	25	428	-661	-4	0	1	0								Tipo di acciaio non contemplato
8	25	352	-573	-4	0	1	0								Tipo di acciaio non contemplato
1A	50	-192	-258	11	0	-5	-64								Tipo di acciaio non contemplato
1B	50	-192	88	11	0	-5	22								Tipo di acciaio non contemplato
1C	50	-192	-258	-12	0	6	-64								Tipo di acciaio non contemplato
1D	50	-192	88	-12	0	6	22								Tipo di acciaio non contemplato
1E	50	312	-258	11	0	-5	-64								Tipo di acciaio non contemplato
1F	50	312	88	11	0	-5	22								Tipo di acciaio non contemplato
1G	50	312	-258	-12	0	6	-64								Tipo di acciaio non contemplato
1H	50	312	88	-12	0	6	22								Tipo di acciaio non contemplato
1I	50	-33	-286	10	0	6	-71								Tipo di acciaio non contemplato
1J	50	-33	116	10	0	6	29								Tipo di acciaio non contemplato
1K	50	-33	-286	-11	0	-5	-71								Tipo di acciaio non contemplato
1L	50	-33	116	-11	0	-5	29								Tipo di acciaio non contemplato
1M	50	152	-286	10	0	6	-71								Tipo di acciaio non contemplato
1N	50	152	116	10	0	6	29								Tipo di acciaio non contemplato
1O	50	152	-286	-11	0	-5	-71								Tipo di acciaio non contemplato
1P	50	152	116	-11	0	-5	29								Tipo di acciaio non contemplato
2	50	464	-758	-5	0	3	-189								Tipo di acciaio non contemplato
7	50	428	-664	-4	0	2	-166								Tipo di acciaio non contemplato
8	50	352	-575	-4	0	2	-144								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-192	3	26								Tipo di acciaio non contemplato
1B	-192	3	9								Tipo di acciaio non contemplato
1C	-192	4	26								Tipo di acciaio non contemplato
1D	-192	4	9								Tipo di acciaio non contemplato
1E	312	3	26								Tipo di acciaio non contemplato
1F	312	3	9								Tipo di acciaio non contemplato
1G	312	4	26								Tipo di acciaio non contemplato
1H	312	4	9								Tipo di acciaio non contemplato
1I	-33	3	29								Tipo di acciaio non contemplato
1J	-33	3	12								Tipo di acciaio non contemplato
1K	-33	3	29								Tipo di acciaio non contemplato
1L	-33	3	12								Tipo di acciaio non contemplato
1M	152	3	29								Tipo di acciaio non contemplato
1N	152	3	12								Tipo di acciaio non contemplato
1O	152	3	29								Tipo di acciaio non contemplato
1P	152	3	12								Tipo di acciaio non contemplato
2	464	2	76								Tipo di acciaio non contemplato
7	428	1	66								Tipo di acciaio non contemplato
8	352	1	57								Tipo di acciaio non contemplato

ASTA NUM. 43 NI 70 NF 62 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.

qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-93	-322	18	0	0	81								Tipo di acciaio non contemplato
1B	0	-93	111	18	0	0	-27								Tipo di acciaio non contemplato
1C	0	-93	-322	-18	0	0	81								Tipo di acciaio non contemplato
1D	0	-93	111	-18	0	0	-27								Tipo di acciaio non contemplato
1E	0	269	-322	18	0	0	81								Tipo di acciaio non contemplato
1F	0	269	111	18	0	0	-27								Tipo di acciaio non contemplato
1G	0	269	-322	-18	0	0	81								Tipo di acciaio non contemplato
1H	0	269	111	-18	0	0	-27								Tipo di acciaio non contemplato
1I	0	-22	-465	11	0	0	116								Tipo di acciaio non contemplato
1J	0	-22	254	11	0	0	-63								Tipo di acciaio non contemplato
1K	0	-22	-465	-11	0	0	116								Tipo di acciaio non contemplato
1L	0	-22	254	-11	0	0	-63								Tipo di acciaio non contemplato
1M	0	199	-465	11	0	0	116								Tipo di acciaio non contemplato
1N	0	199	254	11	0	0	-63								Tipo di acciaio non contemplato
1O	0	199	-465	-11	0	0	116								Tipo di acciaio non contemplato
1P	0	199	254	-11	0	0	-63								Tipo di acciaio non contemplato
2	0	694	-982	-0	0	0	246								Tipo di acciaio non contemplato
7	0	636	-871	0	0	0	218								Tipo di acciaio non contemplato
8	0	520	-736	0	0	0	184								Tipo di acciaio non contemplato
1A	25	-93	-325	18	0	-4	0								Tipo di acciaio non contemplato
1B	25	-93	109	18	0	-4	0								Tipo di acciaio non contemplato
1C	25	-93	-325	-18	0	4	0								Tipo di acciaio non contemplato
1D	25	-93	109	-18	0	4	0								Tipo di acciaio non contemplato
1E	25	269	-325	18	0	-4	0								Tipo di acciaio non contemplato
1F	25	269	109	18	0	-4	0								Tipo di acciaio non contemplato
1G	25	269	-325	-18	0	4	0								Tipo di acciaio non contemplato
1H	25	269	109	-18	0	4	0								Tipo di acciaio non contemplato
1I	25	-22	-467	11	0	-2	0								Tipo di acciaio non contemplato
1J	25	-22	252	11	0	-2	0								Tipo di acciaio non contemplato
1K	25	-22	-467	-11	0	2	0								Tipo di acciaio non contemplato
1L	25	-22	252	-11	0	2	0								Tipo di acciaio non contemplato
1M	25	199	-467	11	0	-2	0								Tipo di acciaio non contemplato
1N	25	199	252	11	0	-2	0								Tipo di acciaio non contemplato
1O	25	199	-467	-11	0	2	0								Tipo di acciaio non contemplato
1P	25	199	252	-11	0	2	0								Tipo di acciaio non contemplato
2	25	694	-985	-0	0	0	0								Tipo di acciaio non contemplato
7	25	636	-874	0	0	0	0								Tipo di acciaio non contemplato
8	25	520	-738	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-93	-327	18	0	-8	-82								Tipo di acciaio non contemplato
1B	50	-93	107	18	0	-8	27								Tipo di acciaio non contemplato
1C	50	-93	-327	-18	0	9	-82								Tipo di acciaio non contemplato
1D	50	-93	107	-18	0	9	27								Tipo di acciaio non contemplato
1E	50	269	-327	18	0	-8	-82								Tipo di acciaio non contemplato
1F	50	269	107	18	0	-8	27								Tipo di acciaio non contemplato
1G	50	269	-327	-18	0	9	-82								Tipo di acciaio non contemplato
1H	50	269	107	-18	0	9	27								Tipo di acciaio non contemplato
1I	50	-22	-470	11	0	-5	-117								Tipo di acciaio non contemplato
1J	50	-22	250	11	0	-5	63								Tipo di acciaio non contemplato
1K	50	-22	-470	-11	0	5	-117								Tipo di acciaio non contemplato
1L	50	-22	250	-11	0	5	63								Tipo di acciaio non contemplato
1M	50	199	-470	11	0	-5	-117								Tipo di acciaio non contemplato
1N	50	199	250	11	0	-5	63								Tipo di acciaio non contemplato
1O	50	199	-470	-11	0	5	-117								Tipo di acciaio non contemplato
1P	50	199	250	-11	0	5	63								Tipo di acciaio non contemplato
2	50	694	-988	-0	0	0	-247								Tipo di acciaio non contemplato
7	50	636	-877	0	0	0	-219								Tipo di acciaio non contemplato
8	50	520	-741	0	0	0	-185								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-93	5	33								Tipo di acciaio non contemplato
1B	-93	5	11								Tipo di acciaio non contemplato
1C	-93	5	33								Tipo di acciaio non contemplato
1D	-93	5	11								Tipo di acciaio non contemplato
1E	269	5	33								Tipo di acciaio non contemplato
1F	269	5	11								Tipo di acciaio non contemplato
1G	269	5	33								Tipo di acciaio non contemplato
1H	269	5	11								Tipo di acciaio non contemplato
1I	-22	2	47								Tipo di acciaio non contemplato
1J	-22	2	25								Tipo di acciaio non contemplato
1K	-22	3	47								Tipo di acciaio non contemplato
1L	-22	3	25								Tipo di acciaio non contemplato
1M	199	2	47								Tipo di acciaio non contemplato
1N	199	2	25								Tipo di acciaio non contemplato
1O	199	3	47								Tipo di acciaio non contemplato
1P	199	3	25								Tipo di acciaio non contemplato
2	694	1	99								Tipo di acciaio non contemplato
7	636	1	88								Tipo di acciaio non contemplato
8	520	1	74								Tipo di acciaio non contemplato

ASTA NUM. 44 NI 110 NF 102 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-122	-318	41	0	1	80								Tipo di acciaio non contemplato
1B	0	-122	259	41	0	1	-64								Tipo di acciaio non contemplato
1C	0	-122	-318	-43	0	-1	80								Tipo di acciaio non contemplato
1D	0	-122	259	-43	0	-1	-64								Tipo di acciaio non contemplato
1E	0	297	-318	41	0	1	80								Tipo di acciaio non contemplato
1F	0	297	259	41	0	1	-64								Tipo di acciaio non contemplato
1G	0	297	-318	-43	0	-1	80								Tipo di acciaio non contemplato
1H	0	297	259	-43	0	-1	-64								Tipo di acciaio non contemplato
1I	0	-1	-663	19	0	1	166								Tipo di acciaio non contemplato
1J	0	-1	604	19	0	1	-150								Tipo di acciaio non contemplato
1K	0	-1	-663	-21	0	0	166								Tipo di acciaio non contemplato
1L	0	-1	604	-21	0	0	-150								Tipo di acciaio non contemplato
1M	0	177	-663	19	0	1	166								Tipo di acciaio non contemplato
1N	0	177	604	19	0	1	-150								Tipo di acciaio non contemplato
1O	0	177	-663	-21	0	0	166								Tipo di acciaio non contemplato
1P	0	177	604	-21	0	0	-150								Tipo di acciaio non contemplato
2	0	581	-608	-2	0	0	152								Tipo di acciaio non contemplato
7	0	552	-588	-2	0	0	147								Tipo di acciaio non contemplato
8	0	442	-442	-2	0	0	111								Tipo di acciaio non contemplato
1A	25	-122	-320	41	0	-9	0								Tipo di acciaio non contemplato
1B	25	-122	257	41	0	-9	0								Tipo di acciaio non contemplato
1C	25	-122	-320	-43	0	10	0								Tipo di acciaio non contemplato
1D	25	-122	257	-43	0	10	0								Tipo di acciaio non contemplato
1E	25	297	-320	41	0	-9	0								Tipo di acciaio non contemplato
1F	25	297	257	41	0	-9	0								Tipo di acciaio non contemplato
1G	25	297	-320	-43	0	10	0								Tipo di acciaio non contemplato
1H	25	297	257	-43	0	10	0								Tipo di acciaio non contemplato
1I	25	-1	-665	19	0	-4	0								Tipo di acciaio non contemplato
1J	25	-1	602	19	0	-4	0								Tipo di acciaio non contemplato
1K	25	-1	-665	-21	0	5	0								Tipo di acciaio non contemplato
1L	25	-1	602	-21	0	5	0								Tipo di acciaio non contemplato
1M	25	177	-665	19	0	-4	0								Tipo di acciaio non contemplato
1N	25	177	602	19	0	-4	0								Tipo di acciaio non contemplato
1O	25	177	-665	-21	0	5	0								Tipo di acciaio non contemplato
1P	25	177	602	-21	0	5	0								Tipo di acciaio non contemplato
2	25	581	-611	-2	0	2	0								Tipo di acciaio non contemplato
7	25	552	-591	-2	0	1	0								Tipo di acciaio non contemplato
8	25	442	-444	-2	0	1	0								Tipo di acciaio non contemplato
1A	50	-122	-322	41	0	-19	-80								Tipo di acciaio non contemplato
1B	50	-122	255	41	0	-19	64								Tipo di acciaio non contemplato
1C	50	-122	-322	-43	0	20	-80								Tipo di acciaio non contemplato
1D	50	-122	255	-43	0	20	64								Tipo di acciaio non contemplato
1E	50	297	-322	41	0	-19	-80								Tipo di acciaio non contemplato
1F	50	297	255	41	0	-19	64								Tipo di acciaio non contemplato
1G	50	297	-322	-43	0	20	-80								Tipo di acciaio non contemplato
1H	50	297	255	-43	0	20	64								Tipo di acciaio non contemplato
1I	50	-1	-667	19	0	-9	-167								Tipo di acciaio non contemplato
1J	50	-1	600	19	0	-9	151								Tipo di acciaio non contemplato
1K	50	-1	-667	-21	0	10	-167								Tipo di acciaio non contemplato
1L	50	-1	600	-21	0	10	151								Tipo di acciaio non contemplato
1M	50	177	-667	19	0	-9	-167								Tipo di acciaio non contemplato
1N	50	177	600	19	0	-9	151								Tipo di acciaio non contemplato
1O	50	177	-667	-21	0	10	-167								Tipo di acciaio non contemplato
1P	50	177	600	-21	0	10	151								Tipo di acciaio non contemplato
2	50	581	-614	-2	0	2	-153								Tipo di acciaio non contemplato
7	50	552	-594	-2	0	2	-148								Tipo di acciaio non contemplato
8	50	442	-447	-2	0	2	-112								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-122	11	32								Tipo di acciaio non contemplato
1B	-122	11	26								Tipo di acciaio non contemplato
1C	-122	12	32								Tipo di acciaio non contemplato
1D	-122	12	26								Tipo di acciaio non contemplato
1E	297	11	32								Tipo di acciaio non contemplato
1F	297	11	26								Tipo di acciaio non contemplato
1G	297	12	32								Tipo di acciaio non contemplato
1H	297	12	26								Tipo di acciaio non contemplato
1I	-1	5	67								Tipo di acciaio non contemplato
1J	-1	5	60								Tipo di acciaio non contemplato
1K	-1	6	67								Tipo di acciaio non contemplato
1L	-1	6	60								Tipo di acciaio non contemplato
1M	177	5	67								Tipo di acciaio non contemplato
1N	177	5	60								Tipo di acciaio non contemplato
1O	177	6	67								Tipo di acciaio non contemplato
1P	177	6	60								Tipo di acciaio non contemplato
2	581	2	61								Tipo di acciaio non contemplato
7	552	1	59								Tipo di acciaio non contemplato
8	442	1	45								Tipo di acciaio non contemplato

ASTA NUM. 45 NI 150 NF 142 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-205	-266	13	0	0	67								Tipo di acciaio non contemplato
1B	0	-205	254	13	0	0	-63								Tipo di acciaio non contemplato
1C	0	-205	-266	-12	0	0	67								Tipo di acciaio non contemplato
1D	0	-205	254	-12	0	0	-63								Tipo di acciaio non contemplato
1E	0	335	-266	13	0	0	67								Tipo di acciaio non contemplato
1F	0	335	254	13	0	0	-63								Tipo di acciaio non contemplato
1G	0	335	-266	-12	0	0	67								Tipo di acciaio non contemplato
1H	0	335	254	-12	0	0	-63								Tipo di acciaio non contemplato
1I	0	-127	-606	7	0	0	151								Tipo di acciaio non contemplato
1J	0	-127	593	7	0	0	-147								Tipo di acciaio non contemplato
1K	0	-127	-606	-6	0	0	151								Tipo di acciaio non contemplato
1L	0	-127	593	-6	0	0	-147								Tipo di acciaio non contemplato
1M	0	257	-606	7	0	0	151								Tipo di acciaio non contemplato
1N	0	257	593	7	0	0	-147								Tipo di acciaio non contemplato
1O	0	257	-606	-6	0	0	151								Tipo di acciaio non contemplato
1P	0	257	593	-6	0	0	-147								Tipo di acciaio non contemplato
2	0	386	-437	-0	0	0	110								Tipo di acciaio non contemplato
7	0	387	-438	-0	0	0	110								Tipo di acciaio non contemplato
8	0	296	-310	-0	0	0	78								Tipo di acciaio non contemplato
1A	25	-205	-269	13	0	-3	0								Tipo di acciaio non contemplato
1B	25	-205	252	13	0	-3	0								Tipo di acciaio non contemplato
1C	25	-205	-269	-12	0	3	0								Tipo di acciaio non contemplato
1D	25	-205	252	-12	0	3	0								Tipo di acciaio non contemplato
1E	25	335	-269	13	0	-3	0								Tipo di acciaio non contemplato
1F	25	335	252	13	0	-3	0								Tipo di acciaio non contemplato
1G	25	335	-269	-12	0	3	0								Tipo di acciaio non contemplato
1H	25	335	252	-12	0	3	0								Tipo di acciaio non contemplato
1I	25	-127	-608	7	0	-1	0								Tipo di acciaio non contemplato
1J	25	-127	591	7	0	-1	0								Tipo di acciaio non contemplato
1K	25	-127	-608	-6	0	1	0								Tipo di acciaio non contemplato
1L	25	-127	591	-6	0	1	0								Tipo di acciaio non contemplato
1M	25	257	-608	7	0	-1	0								Tipo di acciaio non contemplato
1N	25	257	591	7	0	-1	0								Tipo di acciaio non contemplato
1O	25	257	-608	-6	0	1	0								Tipo di acciaio non contemplato
1P	25	257	591	-6	0	1	0								Tipo di acciaio non contemplato
2	25	386	-440	-0	0	0	0								Tipo di acciaio non contemplato
7	25	387	-441	-0	0	0	0								Tipo di acciaio non contemplato
8	25	296	-313	-0	0	0	0								Tipo di acciaio non contemplato
1A	50	-205	-271	13	0	-6	-68								Tipo di acciaio non contemplato
1B	50	-205	249	13	0	-6	63								Tipo di acciaio non contemplato
1C	50	-205	-271	-12	0	6	-68								Tipo di acciaio non contemplato
1D	50	-205	249	-12	0	6	63								Tipo di acciaio non contemplato
1E	50	335	-271	13	0	-6	-68								Tipo di acciaio non contemplato
1F	50	335	249	13	0	-6	63								Tipo di acciaio non contemplato
1G	50	335	-271	-12	0	6	-68								Tipo di acciaio non contemplato
1H	50	335	249	-12	0	6	63								Tipo di acciaio non contemplato
1I	50	-127	-610	7	0	-3	-153								Tipo di acciaio non contemplato
1J	50	-127	589	7	0	-3	148								Tipo di acciaio non contemplato
1K	50	-127	-610	-6	0	3	-153								Tipo di acciaio non contemplato
1L	50	-127	589	-6	0	3	148								Tipo di acciaio non contemplato
1M	50	257	-610	7	0	-3	-153								Tipo di acciaio non contemplato
1N	50	257	589	7	0	-3	148								Tipo di acciaio non contemplato
1O	50	257	-610	-6	0	3	-153								Tipo di acciaio non contemplato
1P	50	257	589	-6	0	3	148								Tipo di acciaio non contemplato
2	50	386	-443	-0	0	0	-110								Tipo di acciaio non contemplato
7	50	387	-443	-0	0	0	-111								Tipo di acciaio non contemplato
8	50	296	-316	-0	0	0	-79								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-205	4	27								Tipo di acciaio non contemplato
1B	-205	4	25								Tipo di acciaio non contemplato
1C	-205	3	27								Tipo di acciaio non contemplato
1D	-205	3	25								Tipo di acciaio non contemplato
1E	335	4	27								Tipo di acciaio non contemplato
1F	335	4	25								Tipo di acciaio non contemplato
1G	335	3	27								Tipo di acciaio non contemplato
1H	335	3	25								Tipo di acciaio non contemplato
1I	-127	2	61								Tipo di acciaio non contemplato
1J	-127	2	59								Tipo di acciaio non contemplato
1K	-127	2	61								Tipo di acciaio non contemplato
1L	-127	2	59								Tipo di acciaio non contemplato
1M	257	2	61								Tipo di acciaio non contemplato
1N	257	2	59								Tipo di acciaio non contemplato
1O	257	2	61								Tipo di acciaio non contemplato
1P	257	2	59								Tipo di acciaio non contemplato
2	386	0	44								Tipo di acciaio non contemplato

7	387	0	44	Tipo di acciaio non contemplato
8	296	0	31	Tipo di acciaio non contemplato

ASTA NUM. 46 NI 170 NF 162 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-158	-449	15	0	0	112								Tipo di acciaio non contemplato
1B	0	-158	409	15	0	0	-102								Tipo di acciaio non contemplato
1C	0	-158	-449	-14	0	0	112								Tipo di acciaio non contemplato
1D	0	-158	409	-14	0	0	-102								Tipo di acciaio non contemplato
1E	0	372	-449	15	0	0	112								Tipo di acciaio non contemplato
1F	0	372	409	15	0	0	-102								Tipo di acciaio non contemplato
1G	0	372	-449	-14	0	0	112								Tipo di acciaio non contemplato
1H	0	372	409	-14	0	0	-102								Tipo di acciaio non contemplato
1I	0	12	-746	8	0	0	186								Tipo di acciaio non contemplato
1J	0	12	706	8	0	0	-176								Tipo di acciaio non contemplato
1K	0	12	-746	-7	0	0	186								Tipo di acciaio non contemplato
1L	0	12	706	-7	0	0	-176								Tipo di acciaio non contemplato
1M	0	202	-746	8	0	0	186								Tipo di acciaio non contemplato
1N	0	202	706	8	0	0	-176								Tipo di acciaio non contemplato
1O	0	202	-746	-7	0	0	186								Tipo di acciaio non contemplato
1P	0	202	706	-7	0	0	-176								Tipo di acciaio non contemplato
2	0	243	-318	0	0	0	80								Tipo di acciaio non contemplato
7	0	243	-318	0	0	0	80								Tipo di acciaio non contemplato
8	0	212	-231	0	0	0	58								Tipo di acciaio non contemplato
1A	25	-158	-451	15	0	-4	0								Tipo di acciaio non contemplato
1B	25	-158	407	15	0	-4	0								Tipo di acciaio non contemplato
1C	25	-158	-451	-14	0	3	0								Tipo di acciaio non contemplato
1D	25	-158	407	-14	0	3	0								Tipo di acciaio non contemplato
1E	25	372	-451	15	0	-4	0								Tipo di acciaio non contemplato
1F	25	372	407	15	0	-4	0								Tipo di acciaio non contemplato
1G	25	372	-451	-14	0	3	0								Tipo di acciaio non contemplato
1H	25	372	407	-14	0	3	0								Tipo di acciaio non contemplato
1I	25	12	-749	8	0	-2	0								Tipo di acciaio non contemplato
1J	25	12	704	8	0	-2	0								Tipo di acciaio non contemplato
1K	25	12	-749	-7	0	2	0								Tipo di acciaio non contemplato
1L	25	12	704	-7	0	2	0								Tipo di acciaio non contemplato
1M	25	202	-749	8	0	-2	0								Tipo di acciaio non contemplato
1N	25	202	704	8	0	-2	0								Tipo di acciaio non contemplato
1O	25	202	-749	-7	0	2	0								Tipo di acciaio non contemplato
1P	25	202	704	-7	0	2	0								Tipo di acciaio non contemplato
2	25	243	-321	0	0	0	0								Tipo di acciaio non contemplato
7	25	243	-321	0	0	0	0								Tipo di acciaio non contemplato
8	25	212	-234	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-158	-454	15	0	-7	-113								Tipo di acciaio non contemplato
1B	50	-158	405	15	0	-7	102								Tipo di acciaio non contemplato
1C	50	-158	-454	-14	0	7	-113								Tipo di acciaio non contemplato
1D	50	-158	405	-14	0	7	102								Tipo di acciaio non contemplato
1E	50	372	-454	15	0	-7	-113								Tipo di acciaio non contemplato
1F	50	372	405	15	0	-7	102								Tipo di acciaio non contemplato
1G	50	372	-454	-14	0	7	-113								Tipo di acciaio non contemplato
1H	50	372	405	-14	0	7	102								Tipo di acciaio non contemplato
1I	50	12	-751	8	0	-4	-188								Tipo di acciaio non contemplato
1J	50	12	702	8	0	-4	176								Tipo di acciaio non contemplato
1K	50	12	-751	-7	0	3	-188								Tipo di acciaio non contemplato
1L	50	12	702	-7	0	3	176								Tipo di acciaio non contemplato
1M	50	202	-751	8	0	-4	-188								Tipo di acciaio non contemplato
1N	50	202	702	8	0	-4	176								Tipo di acciaio non contemplato
1O	50	202	-751	-7	0	3	-188								Tipo di acciaio non contemplato
1P	50	202	702	-7	0	3	176								Tipo di acciaio non contemplato
2	50	243	-324	0	0	0	-81								Tipo di acciaio non contemplato
7	50	243	-324	0	0	0	-81								Tipo di acciaio non contemplato
8	50	212	-237	0	0	0	-59								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-158	4	45								Tipo di acciaio non contemplato
1B	-158	4	41								Tipo di acciaio non contemplato
1C	-158	4	45								Tipo di acciaio non contemplato
1D	-158	4	41								Tipo di acciaio non contemplato
1E	372	4	45								Tipo di acciaio non contemplato
1F	372	4	41								Tipo di acciaio non contemplato
1G	372	4	45								Tipo di acciaio non contemplato
1H	372	4	41								Tipo di acciaio non contemplato
1I	12	2	75								Tipo di acciaio non contemplato
1J	12	2	71								Tipo di acciaio non contemplato
1K	12	2	75								Tipo di acciaio non contemplato
1L	12	2	71								Tipo di acciaio non contemplato
1M	202	2	75								Tipo di acciaio non contemplato
1N	202	2	71								Tipo di acciaio non contemplato
1O	202	2	75								Tipo di acciaio non contemplato

1P	202	2	71	Tipo di acciaio non contemplato
2	243	0	32	Tipo di acciaio non contemplato
7	243	0	32	Tipo di acciaio non contemplato
8	212	0	24	Tipo di acciaio non contemplato

ASTA NUM. 47 NI 29 NF 21 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-235	-224	2	0	0	56								Tipo di acciaio non contemplato
1B	0	-235	41	2	0	0	-10								Tipo di acciaio non contemplato
1C	0	-235	-224	-3	0	0	56								Tipo di acciaio non contemplato
1D	0	-235	41	-3	0	0	-10								Tipo di acciaio non contemplato
1E	0	266	-224	2	0	0	56								Tipo di acciaio non contemplato
1F	0	266	41	2	0	0	-10								Tipo di acciaio non contemplato
1G	0	266	-224	-3	0	0	56								Tipo di acciaio non contemplato
1H	0	266	41	-3	0	0	-10								Tipo di acciaio non contemplato
1I	0	-203	-304	3	0	0	77								Tipo di acciaio non contemplato
1J	0	-203	122	3	0	0	-30								Tipo di acciaio non contemplato
1K	0	-203	-304	-4	0	0	77								Tipo di acciaio non contemplato
1L	0	-203	122	-4	0	0	-30								Tipo di acciaio non contemplato
1M	0	235	-304	3	0	0	77								Tipo di acciaio non contemplato
1N	0	235	122	3	0	0	-30								Tipo di acciaio non contemplato
1O	0	235	-304	-4	0	0	77								Tipo di acciaio non contemplato
1P	0	235	122	-4	0	0	-30								Tipo di acciaio non contemplato
2	0	-135	-925	-3	0	0	232								Tipo di acciaio non contemplato
7	0	-120	-820	-3	0	0	205								Tipo di acciaio non contemplato
8	0	-97	-698	-3	0	0	175								Tipo di acciaio non contemplato
1A	25	-235	-226	2	0	1	0								Tipo di acciaio non contemplato
1B	25	-235	39	2	0	1	0								Tipo di acciaio non contemplato
1C	25	-235	-226	-3	0	0	0								Tipo di acciaio non contemplato
1D	25	-235	39	-3	0	0	0								Tipo di acciaio non contemplato
1E	25	266	-226	2	0	1	0								Tipo di acciaio non contemplato
1F	25	266	39	2	0	1	0								Tipo di acciaio non contemplato
1G	25	266	-226	-3	0	0	0								Tipo di acciaio non contemplato
1H	25	266	39	-3	0	0	0								Tipo di acciaio non contemplato
1I	25	-203	-307	3	0	1	0								Tipo di acciaio non contemplato
1J	25	-203	120	3	0	1	0								Tipo di acciaio non contemplato
1K	25	-203	-307	-4	0	0	0								Tipo di acciaio non contemplato
1L	25	-203	120	-4	0	0	0								Tipo di acciaio non contemplato
1M	25	235	-307	3	0	1	0								Tipo di acciaio non contemplato
1N	25	235	120	3	0	1	0								Tipo di acciaio non contemplato
1O	25	235	-307	-4	0	0	0								Tipo di acciaio non contemplato
1P	25	235	120	-4	0	0	0								Tipo di acciaio non contemplato
2	25	-135	-928	-3	0	1	0								Tipo di acciaio non contemplato
7	25	-120	-823	-3	0	1	0								Tipo di acciaio non contemplato
8	25	-97	-701	-3	0	1	0								Tipo di acciaio non contemplato
1A	50	-235	-228	2	0	2	-57								Tipo di acciaio non contemplato
1B	50	-235	37	2	0	2	9								Tipo di acciaio non contemplato
1C	50	-235	-228	-3	0	-1	-57								Tipo di acciaio non contemplato
1D	50	-235	37	-3	0	-1	9								Tipo di acciaio non contemplato
1E	50	266	-228	2	0	2	-57								Tipo di acciaio non contemplato
1F	50	266	37	2	0	2	9								Tipo di acciaio non contemplato
1G	50	266	-228	-3	0	-1	-57								Tipo di acciaio non contemplato
1H	50	266	37	-3	0	-1	9								Tipo di acciaio non contemplato
1I	50	-203	-309	3	0	2	-77								Tipo di acciaio non contemplato
1J	50	-203	118	3	0	2	30								Tipo di acciaio non contemplato
1K	50	-203	-309	-4	0	-2	-77								Tipo di acciaio non contemplato
1L	50	-203	118	-4	0	-2	30								Tipo di acciaio non contemplato
1M	50	235	-309	3	0	2	-77								Tipo di acciaio non contemplato
1N	50	235	118	3	0	2	30								Tipo di acciaio non contemplato
1O	50	235	-309	-4	0	-2	-77								Tipo di acciaio non contemplato
1P	50	235	118	-4	0	-2	30								Tipo di acciaio non contemplato
2	50	-135	-931	-3	0	2	-232								Tipo di acciaio non contemplato
7	50	-120	-826	-3	0	2	-206								Tipo di acciaio non contemplato
8	50	-97	-704	-3	0	2	-176								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-235	1	23								Tipo di acciaio non contemplato
1B	-235	1	4								Tipo di acciaio non contemplato
1C	-235	1	23								Tipo di acciaio non contemplato
1D	-235	1	4								Tipo di acciaio non contemplato
1E	266	1	23								Tipo di acciaio non contemplato
1F	266	1	4								Tipo di acciaio non contemplato
1G	266	1	23								Tipo di acciaio non contemplato
1H	266	1	4								Tipo di acciaio non contemplato
1I	-203	2	31								Tipo di acciaio non contemplato
1J	-203	2	12								Tipo di acciaio non contemplato
1K	-203	1	31								Tipo di acciaio non contemplato
1L	-203	1	12								Tipo di acciaio non contemplato
1M	235	2	31								Tipo di acciaio non contemplato

1N	235	2	12	Tipo di acciaio non contemplato
1O	235	1	31	Tipo di acciaio non contemplato
1P	235	1	12	Tipo di acciaio non contemplato
2	-135	2	93	Tipo di acciaio non contemplato
7	-120	1	82	Tipo di acciaio non contemplato
8	-97	1	70	Tipo di acciaio non contemplato

ASTA NUM. 48 NI 69 NF 61 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-234	-369	3	0	1	93								Tipo di acciaio non contemplato
1B	0	-234	126	3	0	1	-31								Tipo di acciaio non contemplato
1C	0	-234	-369	-3	0	-1	93								Tipo di acciaio non contemplato
1D	0	-234	126	-3	0	-1	-31								Tipo di acciaio non contemplato
1E	0	288	-369	3	0	1	93								Tipo di acciaio non contemplato
1F	0	288	126	3	0	1	-31								Tipo di acciaio non contemplato
1G	0	288	-369	-3	0	-1	93								Tipo di acciaio non contemplato
1H	0	288	126	-3	0	-1	-31								Tipo di acciaio non contemplato
1I	0	-291	-561	2	0	0	140								Tipo di acciaio non contemplato
1J	0	-291	318	2	0	0	-79								Tipo di acciaio non contemplato
1K	0	-291	-561	-3	0	0	140								Tipo di acciaio non contemplato
1L	0	-291	318	-3	0	0	-79								Tipo di acciaio non contemplato
1M	0	345	-561	2	0	0	140								Tipo di acciaio non contemplato
1N	0	345	318	2	0	0	-79								Tipo di acciaio non contemplato
1O	0	345	-561	-3	0	0	140								Tipo di acciaio non contemplato
1P	0	345	318	-3	0	0	-79								Tipo di acciaio non contemplato
2	0	-126	-1229	-0	0	0	308								Tipo di acciaio non contemplato
7	0	-123	-1104	-0	0	0	276								Tipo di acciaio non contemplato
8	0	-84	-916	-0	0	0	229								Tipo di acciaio non contemplato
1A	25	-234	-371	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-234	124	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-234	-371	-3	0	0	0								Tipo di acciaio non contemplato
1D	25	-234	124	-3	0	0	0								Tipo di acciaio non contemplato
1E	25	288	-371	3	0	0	0								Tipo di acciaio non contemplato
1F	25	288	124	3	0	0	0								Tipo di acciaio non contemplato
1G	25	288	-371	-3	0	0	0								Tipo di acciaio non contemplato
1H	25	288	124	-3	0	0	0								Tipo di acciaio non contemplato
1I	25	-291	-563	2	0	0	0								Tipo di acciaio non contemplato
1J	25	-291	316	2	0	0	0								Tipo di acciaio non contemplato
1K	25	-291	-563	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-291	316	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	345	-563	2	0	0	0								Tipo di acciaio non contemplato
1N	25	345	316	2	0	0	0								Tipo di acciaio non contemplato
1O	25	345	-563	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	345	316	-3	0	0	0								Tipo di acciaio non contemplato
2	25	-126	-1232	-0	0	0	0								Tipo di acciaio non contemplato
7	25	-123	-1107	-0	0	0	0								Tipo di acciaio non contemplato
8	25	-84	-919	-0	0	0	0								Tipo di acciaio non contemplato
1A	50	-234	-373	3	0	0	-93								Tipo di acciaio non contemplato
1B	50	-234	122	3	0	0	31								Tipo di acciaio non contemplato
1C	50	-234	-373	-3	0	0	-93								Tipo di acciaio non contemplato
1D	50	-234	122	-3	0	0	31								Tipo di acciaio non contemplato
1E	50	288	-373	3	0	0	-93								Tipo di acciaio non contemplato
1F	50	288	122	3	0	0	31								Tipo di acciaio non contemplato
1G	50	288	-373	-3	0	0	-93								Tipo di acciaio non contemplato
1H	50	288	122	-3	0	0	31								Tipo di acciaio non contemplato
1I	50	-291	-565	2	0	0	-141								Tipo di acciaio non contemplato
1J	50	-291	314	2	0	0	79								Tipo di acciaio non contemplato
1K	50	-291	-565	-3	0	0	-141								Tipo di acciaio non contemplato
1L	50	-291	314	-3	0	0	79								Tipo di acciaio non contemplato
1M	50	345	-565	2	0	0	-141								Tipo di acciaio non contemplato
1N	50	345	314	2	0	0	79								Tipo di acciaio non contemplato
1O	50	345	-565	-3	0	0	-141								Tipo di acciaio non contemplato
1P	50	345	314	-3	0	0	79								Tipo di acciaio non contemplato
2	50	-126	-1235	-0	0	0	-309								Tipo di acciaio non contemplato
7	50	-123	-1110	-0	0	0	-277								Tipo di acciaio non contemplato
8	50	-84	-922	-0	0	0	-230								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-234	0	37								Tipo di acciaio non contemplato
1B	-234	0	13								Tipo di acciaio non contemplato
1C	-234	0	37								Tipo di acciaio non contemplato
1D	-234	0	13								Tipo di acciaio non contemplato
1E	288	0	37								Tipo di acciaio non contemplato
1F	288	0	13								Tipo di acciaio non contemplato
1G	288	0	37								Tipo di acciaio non contemplato
1H	288	0	13								Tipo di acciaio non contemplato
1I	-291	0	56								Tipo di acciaio non contemplato
1J	-291	0	32								Tipo di acciaio non contemplato
1K	-291	0	56								Tipo di acciaio non contemplato

1L	-291	0	32	Tipo di acciaio non contemplato
1M	345	0	56	Tipo di acciaio non contemplato
1N	345	0	32	Tipo di acciaio non contemplato
1O	345	0	56	Tipo di acciaio non contemplato
1P	345	0	32	Tipo di acciaio non contemplato
2	-126	0	123	Tipo di acciaio non contemplato
7	-123	0	111	Tipo di acciaio non contemplato
8	-84	0	92	Tipo di acciaio non contemplato

ASTA NUM. 49 NI 109 NF 101 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-237	-321	6	0	1	81								Tipo di acciaio non contemplato
1B	0	-237	246	6	0	1	-61								Tipo di acciaio non contemplato
1C	0	-237	-321	-6	0	-1	81								Tipo di acciaio non contemplato
1D	0	-237	246	-6	0	-1	-61								Tipo di acciaio non contemplato
1E	0	357	-321	6	0	1	81								Tipo di acciaio non contemplato
1F	0	357	246	6	0	1	-61								Tipo di acciaio non contemplato
1G	0	357	-321	-6	0	-1	81								Tipo di acciaio non contemplato
1H	0	357	246	-6	0	-1	-61								Tipo di acciaio non contemplato
1I	0	-485	-779	3	0	0	195								Tipo di acciaio non contemplato
1J	0	-485	704	3	0	0	-176								Tipo di acciaio non contemplato
1K	0	-485	-779	-3	0	0	195								Tipo di acciaio non contemplato
1L	0	-485	704	-3	0	0	-176								Tipo di acciaio non contemplato
1M	0	605	-779	3	0	0	195								Tipo di acciaio non contemplato
1N	0	605	704	3	0	0	-176								Tipo di acciaio non contemplato
1O	0	605	-779	-3	0	0	195								Tipo di acciaio non contemplato
1P	0	605	704	-3	0	0	-176								Tipo di acciaio non contemplato
2	0	-79	-816	-0	0	0	204								Tipo di acciaio non contemplato
7	0	-91	-792	0	0	0	198								Tipo di acciaio non contemplato
8	0	-35	-592	-0	0	0	148								Tipo di acciaio non contemplato
1A	25	-237	-323	6	0	0	0								Tipo di acciaio non contemplato
1B	25	-237	244	6	0	0	0								Tipo di acciaio non contemplato
1C	25	-237	-323	-6	0	0	0								Tipo di acciaio non contemplato
1D	25	-237	244	-6	0	0	0								Tipo di acciaio non contemplato
1E	25	357	-323	6	0	0	0								Tipo di acciaio non contemplato
1F	25	357	244	6	0	0	0								Tipo di acciaio non contemplato
1G	25	357	-323	-6	0	0	0								Tipo di acciaio non contemplato
1H	25	357	244	-6	0	0	0								Tipo di acciaio non contemplato
1I	25	-485	-782	3	0	0	0								Tipo di acciaio non contemplato
1J	25	-485	702	3	0	0	0								Tipo di acciaio non contemplato
1K	25	-485	-782	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-485	702	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	605	-782	3	0	0	0								Tipo di acciaio non contemplato
1N	25	605	702	3	0	0	0								Tipo di acciaio non contemplato
1O	25	605	-782	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	605	702	-3	0	0	0								Tipo di acciaio non contemplato
2	25	-79	-819	-0	0	0	0								Tipo di acciaio non contemplato
7	25	-91	-795	0	0	0	0								Tipo di acciaio non contemplato
8	25	-35	-594	-0	0	0	0								Tipo di acciaio non contemplato
1A	50	-237	-326	6	0	-2	-81								Tipo di acciaio non contemplato
1B	50	-237	242	6	0	-2	61								Tipo di acciaio non contemplato
1C	50	-237	-326	-6	0	2	-81								Tipo di acciaio non contemplato
1D	50	-237	242	-6	0	2	61								Tipo di acciaio non contemplato
1E	50	357	-326	6	0	-2	-81								Tipo di acciaio non contemplato
1F	50	357	242	6	0	-2	61								Tipo di acciaio non contemplato
1G	50	357	-326	-6	0	2	-81								Tipo di acciaio non contemplato
1H	50	357	242	-6	0	2	61								Tipo di acciaio non contemplato
1I	50	-485	-784	3	0	0	-196								Tipo di acciaio non contemplato
1J	50	-485	700	3	0	0	175								Tipo di acciaio non contemplato
1K	50	-485	-784	-3	0	0	-196								Tipo di acciaio non contemplato
1L	50	-485	700	-3	0	0	175								Tipo di acciaio non contemplato
1M	50	605	-784	3	0	0	-196								Tipo di acciaio non contemplato
1N	50	605	700	3	0	0	175								Tipo di acciaio non contemplato
1O	50	605	-784	-3	0	0	-196								Tipo di acciaio non contemplato
1P	50	605	700	-3	0	0	175								Tipo di acciaio non contemplato
2	50	-79	-822	-0	0	0	-205								Tipo di acciaio non contemplato
7	50	-91	-798	0	0	0	-199								Tipo di acciaio non contemplato
8	50	-35	-597	-0	0	0	-149								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-237	1	32								Tipo di acciaio non contemplato
1B	-237	1	24								Tipo di acciaio non contemplato
1C	-237	1	32								Tipo di acciaio non contemplato
1D	-237	1	24								Tipo di acciaio non contemplato
1E	357	1	32								Tipo di acciaio non contemplato
1F	357	1	24								Tipo di acciaio non contemplato
1G	357	1	32								Tipo di acciaio non contemplato
1H	357	1	24								Tipo di acciaio non contemplato
1I	-485	0	78								Tipo di acciaio non contemplato

1J	-485	0	70	Tipo di acciaio non contemplato
1K	-485	0	78	Tipo di acciaio non contemplato
1L	-485	0	70	Tipo di acciaio non contemplato
1M	605	0	78	Tipo di acciaio non contemplato
1N	605	0	70	Tipo di acciaio non contemplato
1O	605	0	78	Tipo di acciaio non contemplato
1P	605	0	70	Tipo di acciaio non contemplato
2	-79	0	82	Tipo di acciaio non contemplato
7	-91	0	80	Tipo di acciaio non contemplato
8	-35	0	60	Tipo di acciaio non contemplato

ASTA NUM. 50 NI 149 NF 141 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-235	-338	6	0	0	85								Tipo di acciaio non contemplato
1B	0	-235	321	6	0	0	-80								Tipo di acciaio non contemplato
1C	0	-235	-338	-6	0	0	85								Tipo di acciaio non contemplato
1D	0	-235	321	-6	0	0	-80								Tipo di acciaio non contemplato
1E	0	365	-338	6	0	0	85								Tipo di acciaio non contemplato
1F	0	365	321	6	0	0	-80								Tipo di acciaio non contemplato
1G	0	365	-338	-6	0	0	85								Tipo di acciaio non contemplato
1H	0	365	321	-6	0	0	-80								Tipo di acciaio non contemplato
1I	0	-530	-782	4	0	0	196								Tipo di acciaio non contemplato
1J	0	-530	764	4	0	0	-191								Tipo di acciaio non contemplato
1K	0	-530	-782	-4	0	0	196								Tipo di acciaio non contemplato
1L	0	-530	764	-4	0	0	-191								Tipo di acciaio non contemplato
1M	0	661	-782	4	0	0	196								Tipo di acciaio non contemplato
1N	0	661	764	4	0	0	-191								Tipo di acciaio non contemplato
1O	0	661	-782	-4	0	0	196								Tipo di acciaio non contemplato
1P	0	661	764	-4	0	0	-191								Tipo di acciaio non contemplato
2	0	-135	-603	0	0	0	151								Tipo di acciaio non contemplato
7	0	-134	-604	0	0	0	151								Tipo di acciaio non contemplato
8	0	-70	-427	0	0	0	107								Tipo di acciaio non contemplato
1A	25	-235	-341	6	0	2	0								Tipo di acciaio non contemplato
1B	25	-235	319	6	0	2	0								Tipo di acciaio non contemplato
1C	25	-235	-341	-6	0	-2	0								Tipo di acciaio non contemplato
1D	25	-235	319	-6	0	-2	0								Tipo di acciaio non contemplato
1E	25	365	-341	6	0	2	0								Tipo di acciaio non contemplato
1F	25	365	319	6	0	2	0								Tipo di acciaio non contemplato
1G	25	365	-341	-6	0	-2	0								Tipo di acciaio non contemplato
1H	25	365	319	-6	0	-2	0								Tipo di acciaio non contemplato
1I	25	-530	-784	4	0	0	0								Tipo di acciaio non contemplato
1J	25	-530	762	4	0	0	0								Tipo di acciaio non contemplato
1K	25	-530	-784	-4	0	0	0								Tipo di acciaio non contemplato
1L	25	-530	762	-4	0	0	0								Tipo di acciaio non contemplato
1M	25	661	-784	4	0	0	0								Tipo di acciaio non contemplato
1N	25	661	762	4	0	0	0								Tipo di acciaio non contemplato
1O	25	661	-784	-4	0	0	0								Tipo di acciaio non contemplato
1P	25	661	762	-4	0	0	0								Tipo di acciaio non contemplato
2	25	-135	-606	0	0	0	0								Tipo di acciaio non contemplato
7	25	-134	-607	0	0	0	0								Tipo di acciaio non contemplato
8	25	-70	-430	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-235	-343	6	0	3	-85								Tipo di acciaio non contemplato
1B	50	-235	316	6	0	3	80								Tipo di acciaio non contemplato
1C	50	-235	-343	-6	0	-3	-85								Tipo di acciaio non contemplato
1D	50	-235	316	-6	0	-3	80								Tipo di acciaio non contemplato
1E	50	365	-343	6	0	3	-85								Tipo di acciaio non contemplato
1F	50	365	316	6	0	3	80								Tipo di acciaio non contemplato
1G	50	365	-343	-6	0	-3	-85								Tipo di acciaio non contemplato
1H	50	365	316	-6	0	-3	80								Tipo di acciaio non contemplato
1I	50	-530	-786	4	0	-2	-196								Tipo di acciaio non contemplato
1J	50	-530	760	4	0	-2	190								Tipo di acciaio non contemplato
1K	50	-530	-786	-4	0	2	-196								Tipo di acciaio non contemplato
1L	50	-530	760	-4	0	2	190								Tipo di acciaio non contemplato
1M	50	661	-786	4	0	-2	-196								Tipo di acciaio non contemplato
1N	50	661	760	4	0	-2	190								Tipo di acciaio non contemplato
1O	50	661	-786	-4	0	2	-196								Tipo di acciaio non contemplato
1P	50	661	760	-4	0	2	190								Tipo di acciaio non contemplato
2	50	-135	-609	0	0	0	-152								Tipo di acciaio non contemplato
7	50	-134	-610	0	0	0	-152								Tipo di acciaio non contemplato
8	50	-70	-433	0	0	0	-108								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-235	2	34								Tipo di acciaio non contemplato
1B	-235	2	32								Tipo di acciaio non contemplato
1C	-235	2	34								Tipo di acciaio non contemplato
1D	-235	2	32								Tipo di acciaio non contemplato
1E	365	2	34								Tipo di acciaio non contemplato
1F	365	2	32								Tipo di acciaio non contemplato
1G	365	2	34								Tipo di acciaio non contemplato

1H	365	2	32	Tipo di acciaio non contemplato
1I	-530	1	79	Tipo di acciaio non contemplato
1J	-530	1	76	Tipo di acciaio non contemplato
1K	-530	1	79	Tipo di acciaio non contemplato
1L	-530	1	76	Tipo di acciaio non contemplato
1M	661	1	79	Tipo di acciaio non contemplato
1N	661	1	76	Tipo di acciaio non contemplato
1O	661	1	79	Tipo di acciaio non contemplato
1P	661	1	76	Tipo di acciaio non contemplato
2	-135	0	61	Tipo di acciaio non contemplato
7	-134	0	61	Tipo di acciaio non contemplato
8	-70	0	43	Tipo di acciaio non contemplato

ASTA NUM. 51 NI 169 NF 161 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-435	-500	11	0	0	125								Tipo di acciaio non contemplato
1B	0	-435	457	11	0	0	-114								Tipo di acciaio non contemplato
1C	0	-435	-500	-9	0	0	125								Tipo di acciaio non contemplato
1D	0	-435	457	-9	0	0	-114								Tipo di acciaio non contemplato
1E	0	636	-500	11	0	0	125								Tipo di acciaio non contemplato
1F	0	636	457	11	0	0	-114								Tipo di acciaio non contemplato
1G	0	636	-500	-9	0	0	125								Tipo di acciaio non contemplato
1H	0	636	457	-9	0	0	-114								Tipo di acciaio non contemplato
1I	0	-707	-917	4	0	0	229								Tipo di acciaio non contemplato
1J	0	-707	874	4	0	0	-218								Tipo di acciaio non contemplato
1K	0	-707	-917	-3	0	0	229								Tipo di acciaio non contemplato
1L	0	-707	874	-3	0	0	-218								Tipo di acciaio non contemplato
1M	0	909	-917	4	0	0	229								Tipo di acciaio non contemplato
1N	0	909	874	4	0	0	-218								Tipo di acciaio non contemplato
1O	0	909	-917	-3	0	0	229								Tipo di acciaio non contemplato
1P	0	909	874	-3	0	0	-218								Tipo di acciaio non contemplato
2	0	-98	-411	2	0	0	103								Tipo di acciaio non contemplato
7	0	-99	-412	2	0	0	103								Tipo di acciaio non contemplato
8	0	-30	-297	2	0	0	75								Tipo di acciaio non contemplato
1A	25	-435	-502	11	0	2	0								Tipo di acciaio non contemplato
1B	25	-435	455	11	0	2	0								Tipo di acciaio non contemplato
1C	25	-435	-502	-9	0	-3	0								Tipo di acciaio non contemplato
1D	25	-435	455	-9	0	-3	0								Tipo di acciaio non contemplato
1E	25	636	-502	11	0	2	0								Tipo di acciaio non contemplato
1F	25	636	455	11	0	2	0								Tipo di acciaio non contemplato
1G	25	636	-502	-9	0	-3	0								Tipo di acciaio non contemplato
1H	25	636	455	-9	0	-3	0								Tipo di acciaio non contemplato
1I	25	-707	-919	4	0	1	0								Tipo di acciaio non contemplato
1J	25	-707	872	4	0	1	0								Tipo di acciaio non contemplato
1K	25	-707	-919	-3	0	-1	0								Tipo di acciaio non contemplato
1L	25	-707	872	-3	0	-1	0								Tipo di acciaio non contemplato
1M	25	909	-919	4	0	1	0								Tipo di acciaio non contemplato
1N	25	909	872	4	0	1	0								Tipo di acciaio non contemplato
1O	25	909	-919	-3	0	-1	0								Tipo di acciaio non contemplato
1P	25	909	872	-3	0	-1	0								Tipo di acciaio non contemplato
2	25	-98	-414	2	0	0	0								Tipo di acciaio non contemplato
7	25	-99	-415	2	0	0	0								Tipo di acciaio non contemplato
8	25	-30	-300	2	0	0	0								Tipo di acciaio non contemplato
1A	50	-435	-505	11	0	5	-126								Tipo di acciaio non contemplato
1B	50	-435	453	11	0	5	113								Tipo di acciaio non contemplato
1C	50	-435	-505	-9	0	-5	-126								Tipo di acciaio non contemplato
1D	50	-435	453	-9	0	-5	113								Tipo di acciaio non contemplato
1E	50	636	-505	11	0	5	-126								Tipo di acciaio non contemplato
1F	50	636	453	11	0	5	113								Tipo di acciaio non contemplato
1G	50	636	-505	-9	0	-5	-126								Tipo di acciaio non contemplato
1H	50	636	453	-9	0	-5	113								Tipo di acciaio non contemplato
1I	50	-707	-921	4	0	2	-230								Tipo di acciaio non contemplato
1J	50	-707	869	4	0	2	218								Tipo di acciaio non contemplato
1K	50	-707	-921	-3	0	-2	-230								Tipo di acciaio non contemplato
1L	50	-707	869	-3	0	-2	218								Tipo di acciaio non contemplato
1M	50	909	-921	4	0	2	-230								Tipo di acciaio non contemplato
1N	50	909	869	4	0	2	218								Tipo di acciaio non contemplato
1O	50	909	-921	-3	0	-2	-230								Tipo di acciaio non contemplato
1P	50	909	869	-3	0	-2	218								Tipo di acciaio non contemplato
2	50	-98	-417	2	0	-1	-104								Tipo di acciaio non contemplato
7	50	-99	-418	2	0	-1	-104								Tipo di acciaio non contemplato
8	50	-30	-303	2	0	0	-75								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-435	3	50								Tipo di acciaio non contemplato
1B	-435	3	46								Tipo di acciaio non contemplato
1C	-435	3	50								Tipo di acciaio non contemplato
1D	-435	3	46								Tipo di acciaio non contemplato
1E	636	3	50								Tipo di acciaio non contemplato

1F	636	3	46	Tipo di acciaio non contemplato
1G	636	3	50	Tipo di acciaio non contemplato
1H	636	3	46	Tipo di acciaio non contemplato
1I	-707	1	92	Tipo di acciaio non contemplato
1J	-707	1	87	Tipo di acciaio non contemplato
1K	-707	2	92	Tipo di acciaio non contemplato
1L	-707	2	87	Tipo di acciaio non contemplato
1M	909	1	92	Tipo di acciaio non contemplato
1N	909	1	87	Tipo di acciaio non contemplato
1O	909	2	92	Tipo di acciaio non contemplato
1P	909	2	87	Tipo di acciaio non contemplato
2	-98	1	42	Tipo di acciaio non contemplato
7	-99	1	42	Tipo di acciaio non contemplato
8	-30	1	30	Tipo di acciaio non contemplato

ASTA NUM. 52 NI 37 NF 38 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	413	631	292	0	28	-258	7.7	87.6	53.5	0.0	108.0	3	
1B	0	413	1331	292	0	28	-508	7.7	152.1	112.9	0.0	214.4	3	
1C	0	413	631	-289	0	-27	-258	7.7	86.8	53.5	0.0	107.9	3	
1D	0	413	1331	-289	0	-27	-508	7.7	151.3	112.9	0.0	214.4	3	
1E	0	1188	631	292	0	28	-258	22.1	87.6	53.5	0.0	117.5	3	
1F	0	1188	1331	292	0	28	-508	22.1	152.1	112.9	0.0	223.2	3	
1G	0	1188	631	-289	0	-27	-258	22.1	86.8	53.5	0.0	117.5	3	
1H	0	1188	1331	-289	0	-27	-508	22.1	151.3	112.9	0.0	223.1	3	
1I	0	578	511	267	0	21	-157	10.7	56.2	43.3	0.0	83.4	3	
1J	0	578	1451	267	0	21	-609	10.7	172.5	123.0	0.0	242.4	3	
1K	0	578	511	-264	0	-20	-157	10.7	55.4	43.3	0.0	83.3	3	
1L	0	578	1451	-264	0	-20	-609	10.7	171.7	123.0	0.0	242.4	3	
1M	0	1023	511	267	0	21	-157	19.0	56.2	43.3	0.0	88.3	3	
1N	0	1023	1451	267	0	21	-609	19.0	172.5	123.0	0.0	247.7	3	
1O	0	1023	511	-264	0	-20	-157	19.0	55.4	43.3	0.0	88.3	3	
1P	0	1023	1451	-264	0	-20	-609	19.0	171.7	123.0	0.0	247.6	3	
2	0	4367	4985	56	0	6	-1893	81.2	491.4	422.7	0.0	828.8	3	
7	0	3505	3942	63	0	6	-1483	65.1	386.0	334.2	0.0	654.0	3	
8	0	3408	3908	36	0	4	-1486	63.3	385.3	331.4	0.0	649.8	3	
1A	25	413	620	292	0	-44	-116	7.7	63.0	52.6	0.0	91.5	4	
1B	25	413	1320	292	0	-44	-162	7.7	75.0	112.0	0.0	194.1	4	
1C	25	413	620	-289	0	45	-116	7.7	63.3	52.6	0.0	91.5	4	
1D	25	413	1320	-289	0	45	-162	7.7	75.3	112.0	0.0	194.1	4	
1E	25	1188	620	292	0	-44	-116	22.1	63.0	52.6	0.0	96.6	3	
1F	25	1188	1320	292	0	-44	-162	22.1	75.0	112.0	0.0	195.3	4	
1G	25	1188	620	-289	0	45	-116	22.1	63.3	52.6	0.0	96.6	3	
1H	25	1188	1320	-289	0	45	-162	22.1	75.3	112.0	0.0	195.3	4	
1I	25	578	500	267	0	-46	-49	10.7	46.6	42.4	0.0	74.4	4	
1J	25	578	1440	267	0	-46	-229	10.7	93.1	122.1	0.0	211.9	4	
1K	25	578	500	-264	0	46	-49	10.7	46.9	42.4	0.0	74.4	4	
1L	25	578	1440	-264	0	46	-229	10.7	93.3	122.1	0.0	211.9	4	
1M	25	1023	500	267	0	-46	-49	19.0	46.6	42.4	0.0	76.2	4	
1N	25	1023	1440	267	0	-46	-229	19.0	93.1	122.1	0.0	212.5	4	
1O	25	1023	500	-264	0	46	-49	19.0	46.9	42.4	0.0	76.2	4	
1P	25	1023	1440	-264	0	46	-229	19.0	93.3	122.1	0.0	212.5	4	
2	25	4367	4971	56	0	-8	-648	81.2	173.1	421.5	0.0	734.6	4	
7	25	3505	3928	63	0	-10	-499	65.1	135.8	333.1	0.0	580.6	4	
8	25	3408	3894	36	0	-5	-511	63.3	135.3	330.2	0.0	575.5	4	
1A	50	413	610	292	0	-117	24	7.7	94.0	51.7	0.0	101.6	1	
1B	50	413	1310	292	0	-117	181	7.7	134.4	111.1	0.0	192.7	4	
1C	50	413	610	-289	0	117	24	7.7	93.6	51.7	0.0	101.3	1	
1D	50	413	1310	-289	0	117	181	7.7	134.1	111.1	0.0	192.7	4	
1E	50	1188	610	292	0	-117	24	22.1	94.0	51.7	0.0	116.0	1	
1F	50	1188	1310	292	0	-117	181	22.1	134.4	111.1	0.0	194.0	4	
1G	50	1188	610	-289	0	117	24	22.1	93.6	51.7	0.0	115.7	1	
1H	50	1188	1310	-289	0	117	181	22.1	134.1	111.1	0.0	194.0	4	
1I	50	578	490	267	0	-112	57	10.7	98.7	41.5	0.0	109.4	1	
1J	50	578	1430	267	0	-112	148	10.7	122.0	121.2	0.0	210.4	4	
1K	50	578	490	-264	0	112	57	10.7	98.3	41.5	0.0	109.1	1	
1L	50	578	1430	-264	0	112	148	10.7	121.7	121.2	0.0	210.4	4	
1M	50	1023	490	267	0	-112	57	19.0	98.7	41.5	0.0	117.7	1	
1N	50	1023	1430	267	0	-112	148	19.0	122.0	121.2	0.0	211.1	4	
1O	50	1023	490	-264	0	112	57	19.0	98.3	41.5	0.0	117.4	1	
1P	50	1023	1430	-264	0	112	148	19.0	121.7	121.2	0.0	211.1	4	
2	50	4367	4957	56	0	-22	593	81.2	169.2	420.3	0.0	732.6	4	
7	50	3505	3914	63	0	-25	481	65.1	142.8	331.9	0.0	578.6	4	
8	50	3408	3881	36	0	-14	461	63.3	129.1	329.1	0.0	573.5	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	413	59	145	11	7	11	1.00	1.00	89.2	
1B	413	59	233	11	7	11	1.00	1.00	111.7	
1C	413	59	145	11	7	11	1.00	1.00	89.3	

1D	413	59	233	11	7	11	1.00	1.00	111.9
1E	1188	59	145	11	7	11	1.00	1.00	103.6
1F	1188	59	233	11	7	11	1.00	1.00	126.1
1G	1188	59	145	11	7	11	1.00	1.00	103.7
1H	1188	59	233	11	7	11	1.00	1.00	126.3
1I	578	59	71	11	7	11	1.00	1.00	73.2
1J	578	59	306	11	7	11	1.00	1.00	133.6
1K	578	59	71	11	7	11	1.00	1.00	73.3
1L	578	59	306	11	7	11	1.00	1.00	133.8
1M	1023	59	71	11	7	11	1.00	1.00	81.5
1N	1023	59	306	11	7	11	1.00	1.00	141.9
1O	1023	59	71	11	7	11	1.00	1.00	81.6
1P	1023	59	306	11	7	11	1.00	1.00	142.0
2	4367	11	899	11	7	11	1.00	1.00	320.7
7	3505	13	698	11	7	11	1.00	1.00	254.3
8	3408	7	707	11	7	11	1.00	1.00	250.5

ASTA NUM. 53 NI 77 NF 78 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	626	693	229	0	34	-262	11.6	93.2	58.8	0.0	116.8	3	
1B	0	626	1583	229	0	34	-599	11.6	180.0	134.2	0.0	255.2	3	
1C	0	626	693	-222	0	-34	-262	11.6	92.6	58.8	0.0	116.7	3	
1D	0	626	1583	-222	0	-34	-599	11.6	179.4	134.2	0.0	255.2	3	
1E	0	1418	693	229	0	34	-262	26.3	93.2	58.8	0.0	126.5	3	
1F	0	1418	1583	229	0	34	-599	26.3	180.0	134.2	0.0	264.1	3	
1G	0	1418	693	-222	0	-34	-262	26.3	92.6	58.8	0.0	126.4	3	
1H	0	1418	1583	-222	0	-34	-599	26.3	179.4	134.2	0.0	264.1	3	
1I	0	185	71	234	0	40	-2	3.4	30.7	8.8	0.0	34.2	1	
1J	0	185	2205	234	0	40	-859	3.4	251.1	187.0	0.0	350.9	3	
1K	0	185	71	-227	0	-39	-2	3.4	30.1	8.5	0.0	33.6	1	
1L	0	185	2205	-227	0	-39	-859	3.4	250.5	187.0	0.0	350.9	3	
1M	0	1859	71	234	0	40	-2	34.6	30.7	8.8	0.0	65.3	1	
1N	0	1859	2205	234	0	40	-859	34.6	251.1	187.0	0.0	369.7	3	
1O	0	1859	71	-227	0	-39	-2	34.6	30.1	8.5	0.0	64.7	1	
1P	0	1859	2205	-227	0	-39	-859	34.6	250.5	187.0	0.0	369.7	3	
2	0	5712	5996	57	0	9	-2199	106.2	572.6	508.4	0.0	991.0	3	
7	0	4663	4784	58	0	9	-1729	86.7	451.9	405.6	0.0	788.3	3	
8	0	4409	4663	38	0	6	-1717	82.0	446.2	395.4	0.0	771.3	3	
1A	25	626	683	229	0	-23	-92	11.6	40.8	57.9	0.0	101.0	4	
1B	25	626	1572	229	0	-23	-202	11.6	69.1	133.3	0.0	231.2	4	
1C	25	626	683	-222	0	22	-92	11.6	40.2	57.9	0.0	101.0	4	
1D	25	626	1572	-222	0	22	-202	11.6	68.5	133.3	0.0	231.2	4	
1E	25	1418	683	229	0	-23	-92	26.3	40.8	57.9	0.0	103.8	4	
1F	25	1418	1572	229	0	-23	-202	26.3	69.1	133.3	0.0	232.5	4	
1G	25	1418	683	-222	0	22	-92	26.3	40.2	57.9	0.0	103.8	4	
1H	25	1418	1572	-222	0	22	-202	26.3	68.5	133.3	0.0	232.5	4	
1I	25	185	60	234	0	-18	12	3.4	16.8	8.8	0.0	20.3	1	
1J	25	185	2195	234	0	-18	-307	3.4	92.7	186.1	0.0	322.3	4	
1K	25	185	60	-227	0	17	12	3.4	16.2	8.5	0.0	19.6	1	
1L	25	185	2195	-227	0	17	-307	3.4	92.0	186.1	0.0	322.3	4	
1M	25	1859	60	234	0	-18	12	34.6	16.8	8.8	0.0	51.4	1	
1N	25	1859	2195	234	0	-18	-307	34.6	92.7	186.1	0.0	324.2	4	
1O	25	1859	60	-227	0	17	12	34.6	16.2	8.5	0.0	50.8	1	
1P	25	1859	2195	-227	0	17	-307	34.6	92.0	186.1	0.0	324.2	4	
2	25	5712	5982	57	0	-5	-702	106.2	184.5	507.2	0.0	884.9	4	
7	25	4663	4770	58	0	-5	-535	86.7	141.4	404.5	0.0	705.9	4	
8	25	4409	4650	38	0	-4	-553	82.0	144.9	394.2	0.0	687.7	4	
1A	50	626	672	229	0	-80	75	11.6	79.0	57.0	0.0	99.7	4	
1B	50	626	1562	229	0	-80	192	11.6	109.1	132.4	0.0	229.8	4	
1C	50	626	672	-222	0	77	75	11.6	77.2	57.0	0.0	99.7	4	
1D	50	626	1562	-222	0	77	192	11.6	107.3	132.4	0.0	229.8	4	
1E	50	1418	672	229	0	-80	75	26.3	79.0	57.0	0.0	105.4	1	
1F	50	1418	1562	229	0	-80	192	26.3	109.1	132.4	0.0	231.1	4	
1G	50	1418	672	-222	0	77	75	26.3	77.2	57.0	0.0	103.6	1	
1H	50	1418	1562	-222	0	77	192	26.3	107.3	132.4	0.0	231.1	4	
1I	50	185	50	234	0	-77	25	3.4	63.7	8.8	0.0	67.1	1	
1J	50	185	2184	234	0	-77	242	3.4	119.5	185.2	0.0	320.8	4	
1K	50	185	50	-227	0	74	25	3.4	61.9	8.5	0.0	65.3	1	
1L	50	185	2184	-227	0	74	242	3.4	117.7	185.2	0.0	320.8	4	
1M	50	1859	50	234	0	-77	25	34.6	63.7	8.8	0.0	98.2	1	
1N	50	1859	2184	234	0	-77	242	34.6	119.5	185.2	0.0	322.8	4	
1O	50	1859	50	-227	0	74	25	34.6	61.9	8.5	0.0	96.4	1	
1P	50	1859	2184	-227	0	74	242	34.6	117.7	185.2	0.0	322.8	4	
2	50	5712	5968	57	0	-19	792	106.2	218.4	506.0	0.0	882.9	4	
7	50	4663	4756	58	0	-20	656	86.7	183.6	403.3	0.0	703.9	4	
8	50	4409	4636	38	0	-13	608	82.0	166.1	393.1	0.0	685.8	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	626	34	127	11	7	11	1.00	1.00	70.0	

1B	626	34	283	11	7	11	1.00	1.00	110.0
1C	626	33	127	11	7	11	1.00	1.00	69.1
1D	626	33	283	11	7	11	1.00	1.00	109.1
1E	1418	34	127	11	7	11	1.00	1.00	84.7
1F	1418	34	283	11	7	11	1.00	1.00	124.7
1G	1418	33	127	11	7	11	1.00	1.00	83.8
1H	1418	33	283	11	7	11	1.00	1.00	123.8
1I	185	31	14	11	7	11	1.00	1.00	29.9
1J	185	31	419	11	7	11	1.00	1.00	134.1
1K	185	30	14	11	7	11	1.00	1.00	29.2
1L	185	30	419	11	7	11	1.00	1.00	133.3
1M	1859	31	14	11	7	11	1.00	1.00	61.0
1N	1859	31	419	11	7	11	1.00	1.00	165.2
1O	1859	30	14	11	7	11	1.00	1.00	60.3
1P	1859	30	419	11	7	11	1.00	1.00	164.5
2	5712	8	1003	11	7	11	1.00	1.00	370.2
7	4663	8	775	11	7	11	1.00	1.00	292.1
8	4409	5	787	11	7	11	1.00	1.00	288.6

ASTA NUM. 54 NI 117 NF 118 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1087	-387	303	0	25	3	20.2	19.7	32.8	0.0	60.6	4	
1B	0	-1087	1206	303	0	25	-579	20.2	167.9	102.2	0.0	220.6	3	
1C	0	-1087	-387	-300	0	-25	3	20.2	19.1	32.8	0.0	60.6	4	
1D	0	-1087	1206	-300	0	-25	-579	20.2	167.3	102.2	0.0	220.6	3	
1E	0	611	-387	303	0	25	3	11.4	19.7	32.8	0.0	58.1	4	
1F	0	611	1206	303	0	25	-579	11.4	167.9	102.2	0.0	214.5	3	
1G	0	611	-387	-300	0	-25	3	11.4	19.1	32.8	0.0	58.1	4	
1H	0	611	1206	-300	0	-25	-579	11.4	167.3	102.2	0.0	214.5	3	
1I	0	-2531	-1506	265	0	16	311	47.1	91.6	127.7	0.0	229.6	3	
1J	0	-2531	2324	265	0	16	-887	47.1	239.8	197.1	0.0	393.4	3	
1K	0	-2531	-1506	-262	0	-15	311	47.1	91.0	127.7	0.0	229.6	3	
1L	0	-2531	2324	-262	0	-15	-887	47.1	239.2	197.1	0.0	393.4	3	
1M	0	2055	-1506	265	0	16	311	38.2	91.6	127.7	0.0	225.1	3	
1N	0	2055	2324	265	0	16	-887	38.2	239.8	197.1	0.0	387.8	3	
1O	0	2055	-1506	-262	0	-15	311	38.2	91.0	127.7	0.0	225.1	3	
1P	0	2055	2324	-262	0	-15	-887	38.2	239.2	197.1	0.0	387.8	3	
2	0	328	2352	68	0	4	-1289	6.1	334.6	199.4	0.0	430.3	3	
7	0	331	1944	67	0	4	-1050	6.1	273.1	164.8	0.0	354.0	3	
8	0	148	1820	45	0	3	-1020	2.8	264.4	154.3	0.0	335.2	3	
1A	25	-1087	-398	303	0	-50	-111	20.2	66.2	33.7	0.0	86.5	1	
1B	25	-1087	1195	303	0	-50	-263	20.2	105.5	101.4	0.0	176.9	4	
1C	25	-1087	-398	-300	0	51	-111	20.2	66.3	33.7	0.0	86.5	1	
1D	25	-1087	1195	-300	0	51	-263	20.2	105.5	101.4	0.0	176.9	4	
1E	25	611	-398	303	0	-50	-111	11.4	66.2	33.7	0.0	77.6	1	
1F	25	611	1195	303	0	-50	-263	11.4	105.5	101.4	0.0	176.0	4	
1G	25	611	-398	-300	0	51	-111	11.4	66.3	33.7	0.0	77.6	1	
1H	25	611	1195	-300	0	51	-263	11.4	105.5	101.4	0.0	176.0	4	
1I	25	-2531	-1516	265	0	-51	-73	47.1	56.6	128.6	0.0	227.9	4	
1J	25	-2531	2314	265	0	-51	-301	47.1	115.3	196.2	0.0	343.2	4	
1K	25	-2531	-1516	-262	0	51	-73	47.1	56.7	128.6	0.0	227.9	4	
1L	25	-2531	2314	-262	0	51	-301	47.1	115.4	196.2	0.0	343.2	4	
1M	25	2055	-1516	265	0	-51	-73	38.2	56.6	128.6	0.0	226.2	4	
1N	25	2055	2314	265	0	-51	-301	38.2	115.3	196.2	0.0	342.1	4	
1O	25	2055	-1516	-262	0	51	-73	38.2	56.7	128.6	0.0	226.2	4	
1P	25	2055	2314	-262	0	51	-301	38.2	115.4	196.2	0.0	342.1	4	
2	25	328	2338	68	0	-13	-703	6.1	190.7	198.2	0.0	347.2	3	
7	25	331	1930	67	0	-13	-566	6.1	155.2	163.7	0.0	285.7	3	
8	25	148	1806	45	0	-9	-567	2.8	152.3	153.2	0.0	270.0	3	
1A	50	-1087	-408	303	0	-126	-227	20.2	152.9	34.6	0.0	173.1	1	
1B	50	-1087	1185	303	0	-126	50	20.2	107.3	100.5	0.0	175.6	4	
1C	50	-1087	-408	-300	0	126	-227	20.2	152.4	34.6	0.0	172.6	1	
1D	50	-1087	1185	-300	0	126	50	20.2	106.8	100.5	0.0	175.6	4	
1E	50	611	-408	303	0	-126	-227	11.4	152.9	34.6	0.0	164.2	1	
1F	50	611	1185	303	0	-126	50	11.4	107.3	100.5	0.0	174.6	4	
1G	50	611	-408	-300	0	126	-227	11.4	152.4	34.6	0.0	163.7	1	
1H	50	611	1185	-300	0	126	50	11.4	106.8	100.5	0.0	174.6	4	
1I	50	-2531	-1527	265	0	-117	-459	47.1	205.6	129.5	0.0	252.7	3	
1J	50	-2531	2303	265	0	-117	282	47.1	160.0	195.3	0.0	341.9	4	
1K	50	-2531	-1527	-262	0	116	-459	47.1	205.1	129.5	0.0	252.7	3	
1L	50	-2531	2303	-262	0	116	282	47.1	159.5	195.3	0.0	341.9	4	
1M	50	2055	-1527	265	0	-117	-459	38.2	205.6	129.5	0.0	247.3	3	
1N	50	2055	2303	265	0	-117	282	38.2	160.0	195.3	0.0	340.8	4	
1O	50	2055	-1527	-262	0	116	-459	38.2	205.1	129.5	0.0	247.3	3	
1P	50	2055	2303	-262	0	116	282	38.2	159.5	195.3	0.0	340.8	4	
2	50	328	2324	68	0	-30	-120	6.1	53.6	197.1	0.0	341.4	4	
7	50	331	1917	67	0	-30	-85	6.1	44.0	162.5	0.0	281.6	4	
8	50	148	1793	45	0	-20	-117	2.8	45.0	152.0	0.0	263.3	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-1087	66	135	11	7	11	1.00	1.00	104.1
1B	-1087	66	327	11	7	11	1.00	1.00	153.6
1C	-1087	66	135	11	7	11	1.00	1.00	104.0
1D	-1087	66	327	11	7	11	1.00	1.00	153.5
1E	611	66	135	11	7	11	1.00	1.00	95.2
1F	611	66	327	11	7	11	1.00	1.00	144.7
1G	611	66	135	11	7	11	1.00	1.00	95.1
1H	611	66	327	11	7	11	1.00	1.00	144.7
1I	-2531	64	184	11	7	11	1.00	1.00	142.1
1J	-2531	64	419	11	7	11	1.00	1.00	202.8
1K	-2531	64	184	11	7	11	1.00	1.00	142.1
1L	-2531	64	419	11	7	11	1.00	1.00	202.7
1M	2055	64	184	11	7	11	1.00	1.00	133.2
1N	2055	64	419	11	7	11	1.00	1.00	193.9
1O	2055	64	184	11	7	11	1.00	1.00	133.2
1P	2055	64	419	11	7	11	1.00	1.00	193.8
2	328	17	821	11	7	11	1.00	1.00	229.9
7	331	16	664	11	7	11	1.00	1.00	189.1
8	148	11	659	11	7	11	1.00	1.00	180.4

ASTA NUM. 55 NI 157 NF 158 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	130	-3	234	0	13	24	2.4	15.5	8.8	0.0	17.9	1	
1B	0	130	220	234	0	13	-22	2.4	15.0	18.7	0.0	33.3	3	
1C	0	130	-3	-265	0	-14	24	2.4	16.7	9.9	0.0	19.1	1	
1D	0	130	220	-265	0	-14	-22	2.4	16.1	18.7	0.0	34.3	3	
1E	0	380	-3	234	0	13	24	7.1	15.5	8.8	0.0	22.6	1	
1F	0	380	220	234	0	13	-22	7.1	15.0	18.7	0.0	34.7	3	
1G	0	380	-3	-265	0	-14	24	7.1	16.7	9.9	0.0	23.8	1	
1H	0	380	220	-265	0	-14	-22	7.1	16.1	18.7	0.0	35.6	3	
1I	0	54	-113	208	0	11	41	1.0	18.5	9.5	0.0	22.6	3	
1J	0	54	330	208	0	11	-38	1.0	17.9	27.9	0.0	48.4	4	
1K	0	54	-113	-239	0	-12	41	1.0	19.6	9.5	0.0	23.8	3	
1L	0	54	330	-239	0	-12	-38	1.0	19.1	27.9	0.0	48.4	4	
1M	0	456	-113	208	0	11	41	8.5	18.5	9.5	0.0	26.9	1	
1N	0	456	330	208	0	11	-38	8.5	17.9	27.9	0.0	49.2	4	
1O	0	456	-113	-239	0	-12	41	8.5	19.6	9.5	0.0	28.1	1	
1P	0	456	330	-239	0	-12	-38	8.5	19.1	27.9	0.0	49.2	4	
2	0	398	105	-1	0	-0	30	7.4	7.7	8.9	0.0	19.7	3	
7	0	406	107	1	0	-0	30	7.5	7.7	9.1	0.0	20.0	3	
8	0	377	115	-8	0	-0	21	7.0	5.8	9.8	0.0	19.1	3	
1A	25	130	-14	234	0	-46	20	2.4	39.7	8.8	0.0	42.1	1	
1B	25	130	210	234	0	-46	33	2.4	43.0	17.8	0.0	45.4	1	
1C	25	130	-14	-265	0	52	20	2.4	44.3	9.9	0.0	46.8	1	
1D	25	130	210	-265	0	52	33	2.4	47.6	17.8	0.0	50.1	1	
1E	25	380	-14	234	0	-46	20	7.1	39.7	8.8	0.0	46.8	1	
1F	25	380	210	234	0	-46	33	7.1	43.0	17.8	0.0	50.1	1	
1G	25	380	-14	-265	0	52	20	7.1	44.3	9.9	0.0	51.4	1	
1H	25	380	210	-265	0	52	33	7.1	47.6	17.8	0.0	54.7	1	
1I	25	54	-123	208	0	-41	11	1.0	33.7	10.4	0.0	34.7	1	
1J	25	54	319	208	0	-41	43	1.0	42.0	27.1	0.0	46.9	4	
1K	25	54	-123	-239	0	47	11	1.0	38.3	10.4	0.0	39.3	1	
1L	25	54	319	-239	0	47	43	1.0	46.6	27.1	0.0	47.6	1	
1M	25	456	-123	208	0	-41	11	8.5	33.7	10.4	0.0	42.2	1	
1N	25	456	319	208	0	-41	43	8.5	42.0	27.1	0.0	50.5	1	
1O	25	456	-123	-239	0	47	11	8.5	38.3	10.4	0.0	46.8	1	
1P	25	456	319	-239	0	47	43	8.5	46.6	27.1	0.0	55.1	1	
2	25	398	91	-1	0	0	54	7.4	14.0	7.7	0.0	23.1	3	
7	25	406	94	1	0	-0	55	7.5	14.4	7.9	0.0	23.6	3	
8	25	377	101	-8	0	1	48	7.0	13.5	8.6	0.0	22.5	3	
1A	50	130	-25	234	0	-105	14	2.4	82.0	8.8	0.0	84.4	1	
1B	50	130	199	234	0	-105	86	2.4	100.4	16.9	0.0	102.8	1	
1C	50	130	-25	-265	0	118	14	2.4	92.4	9.9	0.0	94.8	1	
1D	50	130	199	-265	0	118	86	2.4	110.8	16.9	0.0	113.2	1	
1E	50	380	-25	234	0	-105	14	7.1	82.0	8.8	0.0	89.0	1	
1F	50	380	199	234	0	-105	86	7.1	100.4	16.9	0.0	107.4	1	
1G	50	380	-25	-265	0	118	14	7.1	92.4	9.9	0.0	99.4	1	
1H	50	380	199	-265	0	118	86	7.1	110.8	16.9	0.0	117.8	1	
1I	50	54	-134	208	0	-93	-22	1.0	75.5	11.3	0.0	76.5	1	
1J	50	54	308	208	0	-93	122	1.0	101.3	26.2	0.0	102.3	1	
1K	50	54	-134	-239	0	107	-22	1.0	85.9	11.3	0.0	86.9	1	
1L	50	54	308	-239	0	107	122	1.0	111.7	26.2	0.0	112.7	1	
1M	50	456	-134	208	0	-93	-22	8.5	75.5	11.3	0.0	84.0	1	
1N	50	456	308	208	0	-93	122	8.5	101.3	26.2	0.0	109.8	1	
1O	50	456	-134	-239	0	107	-22	8.5	85.9	11.3	0.0	94.4	1	
1P	50	456	308	-239	0	107	122	8.5	111.7	26.2	0.0	120.2	1	
2	50	398	77	-1	0	0	75	7.4	19.5	6.5	0.0	26.9	1	
7	50	406	80	1	0	-1	77	7.5	20.2	6.8	0.0	27.7	1	
8	50	377	88	-8	0	3	72	7.0	21.1	7.4	0.0	28.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	kg	kg*m							kg/cmq
1A	130	58	20	11	7	11	1.00	1.00	50.8
1B	130	58	43	11	7	11	1.00	1.00	56.6
1C	130	65	20	11	7	11	1.00	1.00	56.6
1D	130	65	43	11	7	11	1.00	1.00	62.4
1E	380	58	20	11	7	11	1.00	1.00	55.5
1F	380	58	43	11	7	11	1.00	1.00	61.3
1G	380	65	20	11	7	11	1.00	1.00	61.2
1H	380	65	43	11	7	11	1.00	1.00	67.1
1I	54	52	16	11	7	11	1.00	1.00	43.9
1J	54	52	58	11	7	11	1.00	1.00	54.6
1K	54	59	16	11	7	11	1.00	1.00	49.7
1L	54	59	58	11	7	11	1.00	1.00	60.4
1M	456	52	16	11	7	11	1.00	1.00	51.4
1N	456	52	58	11	7	11	1.00	1.00	62.1
1O	456	59	16	11	7	11	1.00	1.00	57.2
1P	456	59	58	11	7	11	1.00	1.00	67.9
2	398	0	57	11	7	11	1.00	1.00	22.1
7	406	0	58	11	7	11	1.00	1.00	22.7
8	377	2	52	11	7	11	1.00	1.00	21.7

ASTA NUM. 56 NI 867 NF 178 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	213	21	344	0	87	14	4.0	69.0	12.9	0.0	72.9	1	
1B	0	213	560	344	0	87	-131	4.0	99.0	47.5	0.0	103.0	1	
1C	0	213	21	-206	0	-49	14	4.0	40.7	7.7	0.0	44.6	1	
1D	0	213	560	-206	0	-49	-131	4.0	70.7	47.5	0.0	82.4	4	
1E	0	914	21	344	0	87	14	17.0	69.0	12.9	0.0	85.9	1	
1F	0	914	560	344	0	87	-131	17.0	99.0	47.5	0.0	116.0	1	
1G	0	914	21	-206	0	-49	14	17.0	40.7	7.7	0.0	57.6	1	
1H	0	914	560	-206	0	-49	-131	17.0	70.7	47.5	0.0	88.4	3	
1I	0	11	-212	408	0	89	76	0.2	86.4	17.9	0.0	86.6	1	
1J	0	11	792	408	0	89	-193	0.2	116.5	67.2	0.0	116.7	1	
1K	0	11	-212	-270	0	-52	76	0.2	58.2	17.9	0.0	58.4	1	
1L	0	11	792	-270	0	-52	-193	0.2	88.2	67.2	0.0	116.4	4	
1M	0	1116	-212	408	0	89	76	20.7	86.4	17.9	0.0	107.2	1	
1N	0	1116	792	408	0	89	-193	20.7	116.5	67.2	0.0	137.3	1	
1O	0	1116	-212	-270	0	-52	76	20.7	58.2	17.9	0.0	78.9	1	
1P	0	1116	792	-270	0	-52	-193	20.7	88.2	67.2	0.0	123.7	3	
2	0	699	315	92	0	23	-55	13.0	31.6	26.7	0.0	48.9	3	
7	0	698	314	92	0	23	-54	13.0	31.5	26.7	0.0	48.8	3	
8	0	709	333	91	0	24	-61	13.2	33.6	28.3	0.0	51.8	3	
1A	25	213	10	344	0	0	17	4.0	4.5	12.9	0.0	23.7	3	
1B	25	213	549	344	0	0	9	4.0	2.5	46.6	0.0	80.8	4	
1C	25	213	10	-206	0	3	17	4.0	6.6	7.7	0.0	15.6	3	
1D	25	213	549	-206	0	3	9	4.0	4.6	46.6	0.0	80.8	4	
1E	25	914	10	344	0	0	17	17.0	4.5	12.9	0.0	30.6	3	
1F	25	914	549	344	0	0	9	17.0	2.5	46.6	0.0	82.4	4	
1G	25	914	10	-206	0	3	17	17.0	6.6	7.7	0.0	24.8	3	
1H	25	914	549	-206	0	3	9	17.0	4.6	46.6	0.0	82.5	4	
1I	25	11	-222	408	0	-13	21	0.2	14.9	18.8	0.0	39.5	3	
1J	25	11	782	408	0	-13	5	0.2	10.8	66.3	0.0	114.8	4	
1K	25	11	-222	-270	0	16	21	0.2	17.4	18.8	0.0	34.2	3	
1L	25	11	782	-270	0	16	5	0.2	13.3	66.3	0.0	114.8	4	
1M	25	1116	-222	408	0	-13	21	20.7	14.9	18.8	0.0	46.9	3	
1N	25	1116	782	408	0	-13	5	20.7	10.8	66.3	0.0	116.7	4	
1O	25	1116	-222	-270	0	16	21	20.7	17.4	18.8	0.0	42.6	3	
1P	25	1116	782	-270	0	16	5	20.7	13.3	66.3	0.0	116.7	4	
2	25	699	301	92	0	1	22	13.0	6.2	25.5	0.0	46.1	4	
7	25	698	301	92	0	0	23	13.0	6.1	25.5	0.0	46.0	4	
8	25	709	320	91	0	1	21	13.2	6.1	27.1	0.0	48.8	4	
1A	50	213	-0	344	0	-87	16	4.0	69.2	12.9	0.0	73.2	1	
1B	50	213	539	344	0	-87	146	4.0	102.6	45.7	0.0	106.6	1	
1C	50	213	-0	-206	0	56	16	4.0	45.9	7.7	0.0	49.9	1	
1D	50	213	539	-206	0	56	146	4.0	79.3	45.7	0.0	83.3	1	
1E	50	914	-0	344	0	-87	16	17.0	69.2	12.9	0.0	86.2	1	
1F	50	914	539	344	0	-87	146	17.0	102.6	45.7	0.0	119.6	1	
1G	50	914	-0	-206	0	56	16	17.0	45.9	7.7	0.0	62.9	1	
1H	50	914	539	-206	0	56	146	17.0	79.3	45.7	0.0	96.3	1	
1I	50	11	-233	408	0	-115	-37	0.2	95.5	19.7	0.0	95.7	1	
1J	50	11	771	408	0	-115	200	0.2	137.4	65.4	0.0	137.6	1	
1K	50	11	-233	-270	0	84	-37	0.2	72.2	19.7	0.0	72.4	1	
1L	50	11	771	-270	0	84	200	0.2	114.1	65.4	0.0	114.3	1	
1M	50	1116	-233	408	0	-115	-37	20.7	95.5	19.7	0.0	116.2	1	
1N	50	1116	771	408	0	-115	200	20.7	137.4	65.4	0.0	158.1	1	
1O	50	1116	-233	-270	0	84	-37	20.7	72.2	19.7	0.0	92.9	1	
1P	50	1116	771	-270	0	84	200	20.7	114.1	65.4	0.0	134.8	1	
2	50	699	287	92	0	-22	96	13.0	41.4	24.4	0.0	54.4	1	
7	50	698	287	92	0	-23	96	13.0	41.7	24.3	0.0	54.6	1	
8	50	709	306	91	0	-22	99	13.2	41.6	25.9	0.0	54.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	213	35	16	11	7	11	1.00	1.00	34.1	
1B	213	35	59	11	7	11	1.00	1.00	45.2	
1C	213	22	16	11	7	11	1.00	1.00	24.6	
1D	213	22	59	11	7	11	1.00	1.00	35.7	
1E	914	35	16	11	7	11	1.00	1.00	47.1	
1F	914	35	59	11	7	11	1.00	1.00	58.2	
1G	914	22	16	11	7	11	1.00	1.00	37.6	
1H	914	22	59	11	7	11	1.00	1.00	48.7	
1I	11	46	31	11	7	11	1.00	1.00	42.5	
1J	11	46	80	11	7	11	1.00	1.00	55.2	
1K	11	34	31	11	7	11	1.00	1.00	33.2	
1L	11	34	80	11	7	11	1.00	1.00	45.8	
1M	1116	46	31	11	7	11	1.00	1.00	63.1	
1N	1116	46	80	11	7	11	1.00	1.00	75.7	
1O	1116	34	31	11	7	11	1.00	1.00	53.7	
1P	1116	34	80	11	7	11	1.00	1.00	66.4	
2	699	9	38	11	7	11	1.00	1.00	29.9	
7	698	9	38	11	7	11	1.00	1.00	29.9	
8	709	10	40	11	7	11	1.00	1.00	30.5	

ASTA NUM. 57 NI 39 NF 21 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11729	-38	70	0	0	1	218.0	0.9	5.9	0.0	218.9	1	
1B	0	-11729	21	70	0	0	-2	218.0	1.4	5.9	0.0	219.4	1	
1C	0	-11729	-38	-95	0	-0	1	218.0	0.9	8.0	0.0	218.9	1	
1D	0	-11729	21	-95	0	-0	-2	218.0	1.4	8.0	0.0	219.4	1	
1E	0	5895	-38	70	0	0	1	109.6	0.9	5.9	0.0	110.5	1	
1F	0	5895	21	70	0	0	-2	109.6	1.4	5.9	0.0	110.9	1	
1G	0	5895	-38	-95	0	-0	1	109.6	0.9	8.0	0.0	110.5	1	
1H	0	5895	21	-95	0	-0	-2	109.6	1.4	8.0	0.0	110.9	1	
1I	0	-11800	-39	110	0	0	0	219.3	0.4	9.3	0.0	219.9	4	
1J	0	-11800	22	110	0	0	-1	219.3	0.8	9.3	0.0	220.2	1	
1K	0	-11800	-39	-135	0	-0	0	219.3	0.4	11.5	0.0	220.2	4	
1L	0	-11800	22	-135	0	-0	-1	219.3	0.8	11.5	0.0	220.3	4	
1M	0	5966	-39	110	0	0	0	110.9	0.4	9.3	0.0	112.1	4	
1N	0	5966	22	110	0	0	-1	110.9	0.8	9.3	0.0	112.1	4	
1O	0	5966	-39	-135	0	-0	0	110.9	0.4	11.5	0.0	112.7	4	
1P	0	5966	22	-135	0	-0	-1	110.9	0.8	11.5	0.0	112.7	4	
2	0	-21730	-61	-147	0	-0	0	403.9	0.0	12.5	0.0	404.5	4	
7	0	-18890	-53	-150	0	-0	-0	351.1	0.1	12.7	0.0	351.8	4	
8	0	-17020	-48	-101	0	0	-0	316.4	0.1	8.6	0.0	316.7	4	
1A	55	-11706	-38	70	0	53	13	217.6	23.0	5.9	0.0	240.6	1	
1B	55	-11706	21	70	0	53	-23	217.6	30.7	5.9	0.0	248.3	1	
1C	55	-11706	-38	-95	0	-39	13	217.6	19.5	8.0	0.0	237.0	1	
1D	55	-11706	21	-95	0	-39	-23	217.6	27.2	8.0	0.0	244.7	1	
1E	55	5919	-38	70	0	53	13	110.0	23.0	5.9	0.0	133.0	1	
1F	55	5919	21	70	0	53	-23	110.0	30.7	5.9	0.0	140.7	1	
1G	55	5919	-38	-95	0	-39	13	110.0	19.5	8.0	0.0	129.5	1	
1H	55	5919	21	-95	0	-39	-23	110.0	27.2	8.0	0.0	137.2	1	
1I	55	-11777	-39	110	0	-61	12	218.9	24.8	9.3	0.0	243.7	1	
1J	55	-11777	22	110	0	-61	-23	218.9	32.5	9.3	0.0	251.4	1	
1K	55	-11777	-39	-135	0	75	12	218.9	28.4	11.5	0.0	247.3	1	
1L	55	-11777	22	-135	0	75	-23	218.9	36.0	11.5	0.0	255.0	1	
1M	55	5990	-39	110	0	-61	12	111.3	24.8	9.3	0.0	136.1	1	
1N	55	5990	22	110	0	-61	-23	111.3	32.5	9.3	0.0	143.8	1	
1O	55	5990	-39	-135	0	75	12	111.3	28.4	11.5	0.0	139.7	1	
1P	55	5990	22	-135	0	75	-23	111.3	36.0	11.5	0.0	147.4	1	
2	55	-21700	-61	15	0	36	-34	403.3	34.8	2.3	0.0	438.2	1	
7	55	-18860	-53	13	0	38	-30	350.6	31.9	2.0	0.0	382.4	1	
8	55	-16990	-48	13	0	24	-27	315.8	26.3	1.8	0.0	342.1	1	
1A	111	-11682	-38	70	0	105	24	217.1	45.1	5.9	0.0	262.3	1	
1B	111	-11682	21	70	0	105	-44	217.1	60.1	5.9	0.0	277.2	1	
1C	111	-11682	-38	-95	0	-77	24	217.1	38.0	8.0	0.0	255.1	1	
1D	111	-11682	21	-95	0	-77	-44	217.1	53.0	8.0	0.0	270.1	1	
1E	111	5942	-38	70	0	105	24	110.4	45.1	5.9	0.0	155.6	1	
1F	111	5942	21	70	0	105	-44	110.4	60.1	5.9	0.0	170.5	1	
1G	111	5942	-38	-95	0	-77	24	110.4	38.0	8.0	0.0	148.5	1	
1H	111	5942	21	-95	0	-77	-44	110.4	53.0	8.0	0.0	163.4	1	
1I	111	-11754	-39	110	0	-122	24	218.5	49.3	9.3	0.0	267.8	1	
1J	111	-11754	22	110	0	-122	-44	218.5	64.3	9.3	0.0	282.7	1	
1K	111	-11754	-39	-135	0	149	24	218.5	56.4	11.5	0.0	274.9	1	
1L	111	-11754	22	-135	0	149	-44	218.5	71.4	11.5	0.0	289.9	1	
1M	111	6014	-39	110	0	-122	24	111.8	49.3	9.3	0.0	161.1	1	
1N	111	6014	22	110	0	-122	-44	111.8	64.3	9.3	0.0	176.1	1	
1O	111	6014	-39	-135	0	149	24	111.8	56.4	11.5	0.0	168.2	1	
1P	111	6014	22	-135	0	149	-44	111.8	71.4	11.5	0.0	183.2	1	
2	111	-21670	-61	178	0	-17	-68	402.8	55.3	15.1	0.0	458.1	1	
7	111	-18830	-53	175	0	-14	-59	350.0	47.8	14.8	0.0	397.8	1	
8	111	-16960	-48	126	0	-14	-53	315.2	43.5	10.7	0.0	358.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

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	kg	kg*m							kg/cmq
1A	-11729	63	15	23	23	14	1.03	1.00	252.1
1B	-11729	63	27	23	23	14	1.03	1.00	261.3
1C	-11729	47	15	23	23	14	1.03	1.00	247.8
1D	-11729	47	27	23	23	14	1.03	1.00	257.0
1E	5942	63	15	23	23	14	1.00	1.00	137.9
1F	5942	63	27	23	23	14	1.00	1.00	147.0
1G	5942	47	15	23	23	14	1.00	1.00	133.6
1H	5942	47	27	23	23	14	1.00	1.00	142.8
1I	-11800	73	15	23	23	14	1.03	1.00	255.7
1J	-11800	73	27	23	23	14	1.03	1.00	264.9
1K	-11800	90	15	23	23	14	1.03	1.00	260.0
1L	-11800	90	27	23	23	14	1.03	1.00	269.2
1M	6014	73	15	23	23	14	1.00	1.00	141.5
1N	6014	73	27	23	23	14	1.00	1.00	150.6
1O	6014	90	15	23	23	14	1.00	1.00	145.7
1P	6014	90	27	23	23	14	1.00	1.00	154.9
2	-21730	10	41	23	23	14	1.03	1.00	449.5
7	-18890	8	35	23	23	14	1.03	1.00	390.6
8	-17020	8	32	23	23	14	1.03	1.00	352.2

ASTA NUM. 58 NI 79 NF 61 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
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	cm	kg			kg*m			kg/cmq						
1A	0	-11723	-14	112	0	1	2	217.9	2.1	9.5	0.0	220.0	1	
1B	0	-11723	18	112	0	1	0	217.9	0.6	9.5	0.0	218.7	3	
1C	0	-11723	-14	-148	0	-1	2	217.9	2.2	12.6	0.0	220.1	1	
1D	0	-11723	18	-148	0	-1	0	217.9	0.7	12.6	0.0	219.1	3	
1E	0	3491	-14	112	0	1	2	64.9	2.1	9.5	0.0	67.0	1	
1F	0	3491	18	112	0	1	0	64.9	0.6	9.5	0.0	66.9	4	
1G	0	3491	-14	-148	0	-1	2	64.9	2.2	12.6	0.0	68.5	4	
1H	0	3491	18	-148	0	-1	0	64.9	0.7	12.6	0.0	68.4	4	
1I	0	-22824	-13	217	0	1	2	424.2	1.6	18.4	0.0	425.8	1	
1J	0	-22824	18	217	0	1	1	424.2	1.1	18.4	0.0	425.5	4	
1K	0	-22824	-13	-253	0	-1	2	424.2	1.6	21.5	0.0	425.9	4	
1L	0	-22824	18	-253	0	-1	1	424.2	1.1	21.5	0.0	425.9	4	
1M	0	14592	-13	217	0	1	2	271.2	1.6	18.4	0.0	273.1	4	
1N	0	14592	18	217	0	1	1	271.2	1.1	18.4	0.0	273.1	4	
1O	0	14592	-13	-253	0	-1	2	271.2	1.6	21.5	0.0	273.8	4	
1P	0	14592	18	-253	0	-1	1	271.2	1.1	21.5	0.0	273.8	4	
2	0	-31460	17	-207	0	-0	2	584.8	1.4	17.6	0.0	586.2	1	
7	0	-27890	14	-202	0	-0	2	518.4	1.4	17.2	0.0	519.8	1	
8	0	-23990	13	-147	0	-0	2	445.9	1.4	12.5	0.0	447.3	1	
1A	55	-11700	-14	112	0	83	12	217.5	30.3	9.5	0.0	247.8	1	
1B	55	-11700	18	112	0	83	-7	217.5	26.4	9.5	0.0	243.8	1	
1C	55	-11700	-14	-148	0	-63	12	217.5	25.2	12.6	0.0	242.6	1	
1D	55	-11700	18	-148	0	-63	-7	217.5	21.2	12.6	0.0	238.7	1	
1E	55	3514	-14	112	0	83	12	65.3	30.3	9.5	0.0	95.6	1	
1F	55	3514	18	112	0	83	-7	65.3	26.4	9.5	0.0	91.7	1	
1G	55	3514	-14	-148	0	-63	12	65.3	25.2	12.6	0.0	90.5	1	
1H	55	3514	18	-148	0	-63	-7	65.3	21.2	12.6	0.0	86.5	1	
1I	55	-22800	-13	217	0	-119	11	423.8	39.2	18.4	0.0	463.0	1	
1J	55	-22800	18	217	0	-119	-6	423.8	35.3	18.4	0.0	459.1	1	
1K	55	-22800	-13	-253	0	139	11	423.8	44.4	21.5	0.0	468.2	1	
1L	55	-22800	18	-253	0	139	-6	423.8	40.4	21.5	0.0	464.2	1	
1M	55	14615	-13	217	0	-119	11	271.7	39.2	18.4	0.0	310.9	1	
1N	55	14615	18	217	0	-119	-6	271.7	35.3	18.4	0.0	306.9	1	
1O	55	14615	-13	-253	0	139	11	271.7	44.4	21.5	0.0	316.0	1	
1P	55	14615	18	-253	0	139	-6	271.7	40.4	21.5	0.0	312.1	1	
2	55	-31430	17	10	0	54	11	584.2	22.2	0.8	0.0	606.4	1	
7	55	-27860	14	14	0	52	10	517.8	20.5	1.2	0.0	538.4	1	
8	55	-23960	13	5	0	39	9	445.4	16.8	0.5	0.0	462.1	1	
1A	111	-11676	-14	112	0	164	22	217.0	58.5	9.5	0.0	275.5	1	
1B	111	-11676	18	112	0	164	-14	217.0	52.8	9.5	0.0	269.8	1	
1C	111	-11676	-14	-148	0	-124	22	217.0	48.2	12.6	0.0	265.2	1	
1D	111	-11676	18	-148	0	-124	-14	217.0	42.5	12.6	0.0	259.5	1	
1E	111	3538	-14	112	0	164	22	65.8	58.5	9.5	0.0	124.3	1	
1F	111	3538	18	112	0	164	-14	65.8	52.8	9.5	0.0	118.5	1	
1G	111	3538	-14	-148	0	-124	22	65.8	48.2	12.6	0.0	114.0	1	
1H	111	3538	18	-148	0	-124	-14	65.8	42.5	12.6	0.0	108.2	1	
1I	111	-22777	-13	217	0	-240	21	423.4	77.4	18.4	0.0	500.8	1	
1J	111	-22777	18	217	0	-240	-13	423.4	71.7	18.4	0.0	495.0	1	
1K	111	-22777	-13	-253	0	280	21	423.4	87.7	21.5	0.0	511.1	1	
1L	111	-22777	18	-253	0	280	-13	423.4	82.0	21.5	0.0	505.3	1	
1M	111	14639	-13	217	0	-240	21	272.1	77.4	18.4	0.0	349.5	1	
1N	111	14639	18	217	0	-240	-13	272.1	71.7	18.4	0.0	343.8	1	
1O	111	14639	-13	-253	0	280	21	272.1	87.7	21.5	0.0	359.8	1	
1P	111	14639	18	-253	0	280	-13	272.1	82.0	21.5	0.0	354.1	1	
2	111	-31400	17	226	0	-11	20	583.6	17.8	19.2	0.0	601.5	1	
7	111	-27830	14	231	0	-16	17	517.3	17.1	19.6	0.0	534.4	1	
8	111	-23930	13	156	0	-5	16	444.8	13.4	13.3	0.0	458.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg	kg*m							kg/cmq
1A	-11723	99	14	23	23	14	1.03	1.00	260.5
1B	-11723	99	8	23	23	14	1.03	1.00	256.2
1C	-11723	75	14	23	23	14	1.03	1.00	254.3
1D	-11723	75	8	23	23	14	1.03	1.00	250.0
1E	3538	99	14	23	23	14	1.00	1.00	101.7
1F	3538	99	8	23	23	14	1.00	1.00	97.4
1G	3538	75	14	23	23	14	1.00	1.00	95.6
1H	3538	75	8	23	23	14	1.00	1.00	91.2
1I	-22824	143	13	23	23	14	1.03	1.00	484.1
1J	-22824	143	8	23	23	14	1.03	1.00	479.7
1K	-22824	167	13	23	23	14	1.03	1.00	490.3
1L	-22824	167	8	23	23	14	1.03	1.00	485.9
1M	14639	143	13	23	23	14	1.00	1.00	319.0
1N	14639	143	8	23	23	14	1.00	1.00	314.6
1O	14639	167	13	23	23	14	1.00	1.00	325.1
1P	14639	167	8	23	23	14	1.00	1.00	320.8
2	-31460	7	13	23	23	14	1.03	1.00	613.7
7	-27890	10	11	23	23	14	1.03	1.00	544.9
8	-23990	3	10	23	23	14	1.03	1.00	468.0

ASTA NUM. 59 NI 119 NF 101 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18903	-34	121	0	0	0	351.4	0.0	10.3	0.0	351.8	4	
1B	0	-18903	41	121	0	0	-0	351.4	0.0	10.3	0.0	351.8	4	
1C	0	-18903	-34	-173	0	-0	0	351.4	0.0	14.7	0.0	352.3	4	
1D	0	-18903	41	-173	0	-0	-0	351.4	0.0	14.7	0.0	352.3	4	
1E	0	13869	-34	121	0	0	0	257.8	0.0	10.3	0.0	258.4	4	
1F	0	13869	41	121	0	0	-0	257.8	0.0	10.3	0.0	258.4	4	
1G	0	13869	-34	-173	0	-0	0	257.8	0.0	14.7	0.0	259.0	4	
1H	0	13869	41	-173	0	-0	-0	257.8	0.0	14.7	0.0	259.0	4	
1I	0	-33104	-21	347	0	0	0	615.3	0.0	29.4	0.0	617.4	4	
1J	0	-33104	28	347	0	0	-0	615.3	0.0	29.4	0.0	617.4	4	
1K	0	-33104	-21	-399	0	-0	0	615.3	0.0	33.9	0.0	618.1	4	
1L	0	-33104	28	-399	0	-0	-0	615.3	0.0	33.9	0.0	618.1	4	
1M	0	28070	-21	347	0	0	0	521.7	0.0	29.4	0.0	524.2	4	
1N	0	28070	28	347	0	0	-0	521.7	0.0	29.4	0.0	524.2	4	
1O	0	28070	-21	-399	0	-0	0	521.7	0.0	33.9	0.0	525.0	4	
1P	0	28070	28	-399	0	-0	-0	521.7	0.0	33.9	0.0	525.0	4	
2	0	-22590	20	-184	0	0	0	419.9	0.0	15.6	0.0	420.8	4	
7	0	-21460	17	-180	0	0	0	398.9	0.0	15.2	0.0	399.8	4	
8	0	-17070	15	-136	0	0	0	317.3	0.0	11.5	0.0	317.9	4	
1A	55	-18880	-34	121	0	-67	-19	350.9	31.5	10.3	0.0	382.4	1	
1B	55	-18880	41	121	0	-67	23	350.9	34.3	10.3	0.0	385.2	1	
1C	55	-18880	-34	-173	0	96	-19	350.9	39.0	14.7	0.0	389.9	1	
1D	55	-18880	41	-173	0	96	23	350.9	41.8	14.7	0.0	392.7	1	
1E	55	13892	-34	121	0	-67	-19	258.2	31.5	10.3	0.0	289.7	1	
1F	55	13892	41	121	0	-67	23	258.2	34.3	10.3	0.0	292.5	1	
1G	55	13892	-34	-173	0	96	-19	258.2	39.0	14.7	0.0	297.2	1	
1H	55	13892	41	-173	0	96	23	258.2	41.8	14.7	0.0	300.0	1	
1I	55	-33080	-21	347	0	-192	-11	614.9	58.0	29.4	0.0	672.9	1	
1J	55	-33080	28	347	0	-192	15	614.9	60.8	29.4	0.0	675.7	1	
1K	55	-33080	-21	-399	0	221	-11	614.9	65.4	33.9	0.0	680.3	1	
1L	55	-33080	28	-399	0	221	15	614.9	68.3	33.9	0.0	683.1	1	
1M	55	28093	-21	347	0	-192	-11	522.2	58.0	29.4	0.0	580.2	1	
1N	55	28093	28	347	0	-192	15	522.2	60.8	29.4	0.0	583.0	1	
1O	55	28093	-21	-399	0	221	-11	522.2	65.4	33.9	0.0	587.6	1	
1P	55	28093	28	-399	0	221	15	522.2	68.3	33.9	0.0	590.4	1	
2	55	-22560	20	32	0	42	11	419.3	18.9	2.8	0.0	438.3	1	
7	55	-21430	17	37	0	39	10	398.3	17.3	3.1	0.0	415.6	1	
8	55	-17040	15	16	0	33	9	316.7	15.0	1.3	0.0	331.7	1	
1A	111	-18856	-34	121	0	-134	-38	350.5	63.0	10.3	0.0	413.5	1	
1B	111	-18856	41	121	0	-134	46	350.5	68.6	10.3	0.0	419.1	1	
1C	111	-18856	-34	-173	0	192	-38	350.5	78.0	14.7	0.0	428.4	1	
1D	111	-18856	41	-173	0	192	46	350.5	83.6	14.7	0.0	434.1	1	
1E	111	13916	-34	121	0	-134	-38	258.7	63.0	10.3	0.0	321.7	1	
1F	111	13916	41	121	0	-134	46	258.7	68.6	10.3	0.0	327.3	1	
1G	111	13916	-34	-173	0	192	-38	258.7	78.0	14.7	0.0	336.6	1	
1H	111	13916	41	-173	0	192	46	258.7	83.6	14.7	0.0	342.2	1	
1I	111	-33057	-21	347	0	-384	-23	614.4	116.0	29.4	0.0	730.4	1	
1J	111	-33057	28	347	0	-384	30	614.4	121.6	29.4	0.0	736.0	1	
1K	111	-33057	-21	-399	0	442	-23	614.4	130.9	33.9	0.0	745.3	1	
1L	111	-33057	28	-399	0	442	30	614.4	136.5	33.9	0.0	751.0	1	
1M	111	28117	-21	347	0	-384	-23	522.6	116.0	29.4	0.0	638.6	1	
1N	111	28117	28	347	0	-384	30	522.6	121.6	29.4	0.0	644.2	1	
1O	111	28117	-21	-399	0	442	-23	522.6	130.9	33.9	0.0	653.5	1	
1P	111	28117	28	-399	0	442	30	522.6	136.5	33.9	0.0	659.1	1	
2	111	-22530	20	249	0	-36	22	418.8	25.5	21.1	0.0	444.3	1	
7	111	-21400	17	254	0	-41	19	397.8	24.8	21.5	0.0	422.6	1	
8	111	-17010	15	167	0	-17	17	316.2	17.2	14.2	0.0	333.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-18903	80	23	23	23	14	1.03	1.00	399.9
1B	-18903	80	27	23	23	14	1.03	1.00	403.3
1C	-18903	115	23	23	23	14	1.03	1.00	408.9
1D	-18903	115	27	23	23	14	1.03	1.00	412.3
1E	13916	80	23	23	23	14	1.00	1.00	296.5
1F	13916	80	27	23	23	14	1.00	1.00	299.8
1G	13916	115	23	23	23	14	1.00	1.00	305.4
1H	13916	115	27	23	23	14	1.00	1.00	308.8
1I	-33104	230	14	23	23	14	1.03	1.00	703.9
1J	-33104	230	18	23	23	14	1.03	1.00	707.3
1K	-33104	265	14	23	23	14	1.03	1.00	712.9
1L	-33104	265	18	23	23	14	1.03	1.00	716.3
1M	28117	230	14	23	23	14	1.00	1.00	592.2
1N	28117	230	18	23	23	14	1.00	1.00	595.6
1O	28117	265	14	23	23	14	1.00	1.00	601.2
1P	28117	265	18	23	23	14	1.00	1.00	604.5
2	-22590	22	13	23	23	14	1.03	1.00	447.9
7	-21460	25	11	23	23	14	1.03	1.00	425.8
8	-17070	10	10	23	23	14	1.03	1.00	337.2

ASTA NUM. 60 NI 159 NF 141 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-25040	-26	164	0	0	4	465.4	2.9	13.9	0.0	468.3	1	
1B	0	-25040	24	164	0	0	-3	465.4	2.1	13.9	0.0	467.5	1	
1C	0	-25040	-26	-241	0	-0	4	465.4	2.9	20.5	0.0	468.3	1	
1D	0	-25040	24	-241	0	-0	-3	465.4	2.1	20.5	0.0	467.5	1	
1E	0	23258	-26	164	0	0	4	432.3	2.9	13.9	0.0	435.1	1	
1F	0	23258	24	164	0	0	-3	432.3	2.1	13.9	0.0	434.4	1	
1G	0	23258	-26	-241	0	-0	4	432.3	2.9	20.5	0.0	435.1	1	
1H	0	23258	24	-241	0	-0	-3	432.3	2.1	20.5	0.0	434.4	1	
1I	0	-43471	-27	472	0	0	2	808.0	1.6	40.0	0.0	811.0	4	
1J	0	-43471	25	472	0	0	-1	808.0	0.8	40.0	0.0	811.0	4	
1K	0	-43471	-27	-549	0	-0	2	808.0	1.6	46.5	0.0	812.1	4	
1L	0	-43471	25	-549	0	-0	-1	808.0	0.8	46.5	0.0	812.0	4	
1M	0	41689	-27	472	0	0	2	774.9	1.6	40.0	0.0	778.0	4	
1N	0	41689	25	472	0	0	-1	774.9	0.8	40.0	0.0	778.0	4	
1O	0	41689	-27	-549	0	-0	2	774.9	1.6	46.5	0.0	779.1	4	
1P	0	41689	25	-549	0	-0	-1	774.9	0.8	46.5	0.0	779.1	4	
2	0	-18610	18	-73	0	-0	1	345.9	0.5	6.2	0.0	346.5	1	
7	0	-18650	18	-74	0	-0	1	346.7	0.6	6.3	0.0	347.2	1	
8	0	-13460	12	-65	0	-0	1	250.2	0.5	5.5	0.0	250.7	1	
1A	55	-25017	-26	164	0	-91	17	465.0	35.9	13.9	0.0	500.9	1	
1B	55	-25017	24	164	0	-91	-17	465.0	36.1	13.9	0.0	501.1	1	
1C	55	-25017	-26	-241	0	133	17	465.0	46.8	20.5	0.0	511.8	1	
1D	55	-25017	24	-241	0	133	-17	465.0	47.0	20.5	0.0	512.0	1	
1E	55	23281	-26	164	0	-91	17	432.7	35.9	13.9	0.0	468.6	1	
1F	55	23281	24	164	0	-91	-17	432.7	36.1	13.9	0.0	468.8	1	
1G	55	23281	-26	-241	0	133	17	432.7	46.8	20.5	0.0	479.6	1	
1H	55	23281	24	-241	0	133	-17	432.7	47.0	20.5	0.0	479.7	1	
1I	55	-43448	-27	472	0	-261	16	807.6	78.9	40.0	0.0	886.5	1	
1J	55	-43448	25	472	0	-261	-16	807.6	79.1	40.0	0.0	886.7	1	
1K	55	-43448	-27	-549	0	303	16	807.6	89.9	46.5	0.0	897.4	1	
1L	55	-43448	25	-549	0	303	-16	807.6	90.0	46.5	0.0	897.6	1	
1M	55	41712	-27	472	0	-261	16	775.3	78.9	40.0	0.0	854.2	1	
1N	55	41712	25	472	0	-261	-16	775.3	79.1	40.0	0.0	854.4	1	
1O	55	41712	-27	-549	0	303	16	775.3	89.9	46.5	0.0	865.2	1	
1P	55	41712	25	-549	0	303	-16	775.3	90.0	46.5	0.0	865.4	1	
2	55	-18580	18	89	0	-5	10	345.4	9.0	7.6	0.0	354.4	1	
7	55	-18620	18	89	0	-4	11	346.1	8.9	7.5	0.0	355.0	1	
8	55	-13430	12	49	0	4	7	249.6	6.6	4.1	0.0	256.3	1	
1A	111	-24994	-26	164	0	-182	30	464.6	69.1	13.9	0.0	533.7	1	
1B	111	-24994	24	164	0	-182	-31	464.6	70.3	13.9	0.0	534.8	1	
1C	111	-24994	-26	-241	0	267	30	464.6	91.0	20.5	0.0	555.6	1	
1D	111	-24994	24	-241	0	267	-31	464.6	92.2	20.5	0.0	556.7	1	
1E	111	23304	-26	164	0	-182	30	433.2	69.1	13.9	0.0	502.3	1	
1F	111	23304	24	164	0	-182	-31	433.2	70.3	13.9	0.0	503.4	1	
1G	111	23304	-26	-241	0	267	30	433.2	91.0	20.5	0.0	524.2	1	
1H	111	23304	24	-241	0	267	-31	433.2	92.2	20.5	0.0	525.3	1	
1I	111	-43425	-27	472	0	-522	30	807.2	156.4	40.0	0.0	963.6	1	
1J	111	-43425	25	472	0	-522	-31	807.2	157.6	40.0	0.0	964.7	1	
1K	111	-43425	-27	-549	0	607	30	807.2	178.3	46.5	0.0	985.5	1	
1L	111	-43425	25	-549	0	607	-31	807.2	179.5	46.5	0.0	986.6	1	
1M	111	41735	-27	472	0	-522	30	775.7	156.4	40.0	0.0	932.2	1	
1N	111	41735	25	472	0	-522	-31	775.7	157.6	40.0	0.0	933.3	1	
1O	111	41735	-27	-549	0	607	30	775.7	178.3	46.5	0.0	954.1	1	
1P	111	41735	25	-549	0	607	-31	775.7	179.5	46.5	0.0	955.2	1	
2	111	-18550	18	252	0	-99	20	344.8	40.6	21.4	0.0	385.4	1	
7	111	-18590	18	251	0	-98	20	345.5	40.5	21.3	0.0	386.0	1	
8	111	-13400	12	162	0	-54	14	249.1	24.4	13.8	0.0	273.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-25040	109	19	23	23	14	1.03	1.00	522.2
1B	-25040	109	20	23	23	14	1.03	1.00	522.6
1C	-25040	160	19	23	23	14	1.03	1.00	535.4
1D	-25040	160	20	23	23	14	1.03	1.00	535.8
1E	23304	109	19	23	23	14	1.00	1.00	475.7
1F	23304	109	20	23	23	14	1.00	1.00	476.1
1G	23304	160	19	23	23	14	1.00	1.00	488.8
1H	23304	160	20	23	23	14	1.00	1.00	489.2
1I	-43471	313	19	23	23	14	1.03	1.00	927.6
1J	-43471	313	19	23	23	14	1.03	1.00	928.0
1K	-43471	364	19	23	23	14	1.03	1.00	940.8
1L	-43471	364	19	23	23	14	1.03	1.00	941.2
1M	41735	313	19	23	23	14	1.00	1.00	870.2
1N	41735	313	19	23	23	14	1.00	1.00	870.5
1O	41735	364	19	23	23	14	1.00	1.00	883.3
1P	41735	364	19	23	23	14	1.00	1.00	883.7
2	-18610	59	12	23	23	14	1.03	1.00	381.0
7	-18650	59	12	23	23	14	1.03	1.00	381.7
8	-13460	32	9	23	23	14	1.03	1.00	272.6

ASTA NUM. 61 NI 179 NF 161 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18257	-89	255	0	0	0	339.3	0.0	21.6	0.0	341.4	4	
1B	0	-18257	95	255	0	0	-0	339.3	0.0	21.6	0.0	341.4	4	
1C	0	-18257	-89	-369	0	-0	0	339.3	0.0	31.3	0.0	343.7	4	
1D	0	-18257	95	-369	0	-0	-0	339.3	0.0	31.3	0.0	343.7	4	
1E	0	15611	-89	255	0	0	0	290.2	0.0	21.6	0.0	292.6	4	
1F	0	15611	95	255	0	0	-0	290.2	0.0	21.6	0.0	292.6	4	
1G	0	15611	-89	-369	0	-0	0	290.2	0.0	31.3	0.0	295.2	4	
1H	0	15611	95	-369	0	-0	-0	290.2	0.0	31.3	0.0	295.2	4	
1I	0	-41875	-56	560	0	0	0	778.3	0.0	47.5	0.0	782.7	4	
1J	0	-41875	62	560	0	0	-0	778.3	0.0	47.5	0.0	782.7	4	
1K	0	-41875	-56	-675	0	-0	0	778.3	0.0	57.2	0.0	784.6	4	
1L	0	-41875	62	-675	0	-0	-0	778.3	0.0	57.2	0.0	784.6	4	
1M	0	39229	-56	560	0	0	0	729.2	0.0	47.5	0.0	733.8	4	
1N	0	39229	62	560	0	0	-0	729.2	0.0	47.5	0.0	733.8	4	
1O	0	39229	-56	-675	0	-0	0	729.2	0.0	57.2	0.0	735.9	4	
1P	0	39229	62	-675	0	-0	-0	729.2	0.0	57.2	0.0	735.9	4	
2	0	-16110	25	44	0	0	0	299.4	0.0	3.7	0.0	299.5	4	
7	0	-16120	25	44	0	0	0	299.6	0.0	3.7	0.0	299.7	4	
8	0	-11860	18	9	0	0	0	220.4	0.0	0.8	0.0	220.5	3	
1A	55	-18234	-89	255	0	-141	-49	338.9	73.2	21.6	0.0	412.2	1	
1B	55	-18234	95	255	0	-141	52	338.9	75.6	21.6	0.0	414.5	1	
1C	55	-18234	-89	-369	0	204	-49	338.9	89.5	31.3	0.0	428.4	1	
1D	55	-18234	95	-369	0	204	52	338.9	91.9	31.3	0.0	430.8	1	
1E	55	15634	-89	255	0	-141	-49	290.6	73.2	21.6	0.0	363.8	1	
1F	55	15634	95	255	0	-141	52	290.6	75.6	21.6	0.0	366.2	1	
1G	55	15634	-89	-369	0	204	-49	290.6	89.5	31.3	0.0	380.1	1	
1H	55	15634	95	-369	0	204	52	290.6	91.9	31.3	0.0	382.5	1	
1I	55	-41852	-56	560	0	-310	-31	777.9	103.2	47.5	0.0	881.1	1	
1J	55	-41852	62	560	0	-310	34	777.9	105.6	47.5	0.0	883.5	1	
1K	55	-41852	-56	-675	0	373	-31	777.9	119.4	57.2	0.0	897.4	1	
1L	55	-41852	62	-675	0	373	34	777.9	121.8	57.2	0.0	899.7	1	
1M	55	39252	-56	560	0	-310	-31	729.6	103.2	47.5	0.0	832.8	1	
1N	55	39252	62	560	0	-310	34	729.6	105.6	47.5	0.0	835.1	1	
1O	55	39252	-56	-675	0	373	-31	729.6	119.4	57.2	0.0	849.0	1	
1P	55	39252	62	-675	0	373	34	729.6	121.8	57.2	0.0	851.4	1	
2	55	-16080	25	98	0	-39	14	298.9	20.3	8.3	0.0	319.2	1	
7	55	-16090	25	98	0	-39	14	299.1	20.4	8.3	0.0	319.5	1	
8	55	-11830	18	47	0	-16	10	219.9	11.6	4.0	0.0	231.5	1	
1A	111	-18211	-89	255	0	-282	-99	338.5	146.5	21.6	0.0	485.0	1	
1B	111	-18211	95	255	0	-282	105	338.5	151.2	21.6	0.0	489.7	1	
1C	111	-18211	-89	-369	0	409	-99	338.5	179.0	31.3	0.0	517.5	1	
1D	111	-18211	95	-369	0	409	105	338.5	183.7	31.3	0.0	522.2	1	
1E	111	15657	-89	255	0	-282	-99	291.0	146.5	21.6	0.0	437.5	1	
1F	111	15657	95	255	0	-282	105	291.0	151.2	21.6	0.0	442.2	1	
1G	111	15657	-89	-369	0	409	-99	291.0	179.0	31.3	0.0	470.0	1	
1H	111	15657	95	-369	0	409	105	291.0	183.7	31.3	0.0	474.7	1	
1I	111	-41829	-56	560	0	-620	-63	777.5	206.4	47.5	0.0	983.9	1	
1J	111	-41829	62	560	0	-620	69	777.5	211.1	47.5	0.0	988.6	1	
1K	111	-41829	-56	-675	0	747	-63	777.5	238.9	57.2	0.0	1016.4	1	
1L	111	-41829	62	-675	0	747	69	777.5	243.6	57.2	0.0	1021.1	1	
1M	111	39275	-56	560	0	-620	-63	730.0	206.4	47.5	0.0	936.4	1	
1N	111	39275	62	560	0	-620	69	730.0	211.1	47.5	0.0	941.1	1	
1O	111	39275	-56	-675	0	747	-63	730.0	238.9	57.2	0.0	968.9	1	
1P	111	39275	62	-675	0	747	69	730.0	243.6	57.2	0.0	973.6	1	
2	111	-16050	25	152	0	-108	27	298.3	48.3	12.9	0.0	346.6	1	
7	111	-16060	25	152	0	-109	27	298.5	48.5	12.9	0.0	347.1	1	
8	111	-11800	18	85	0	-52	20	219.3	28.7	7.2	0.0	248.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-18257	169	59	23	23	14	1.03	1.00	438.0
1B	-18257	169	63	23	23	14	1.03	1.00	440.8
1C	-18257	245	59	23	23	14	1.03	1.00	457.5
1D	-18257	245	63	23	23	14	1.03	1.00	460.4
1E	15657	169	59	23	23	14	1.00	1.00	378.9
1F	15657	169	63	23	23	14	1.00	1.00	381.7
1G	15657	245	59	23	23	14	1.00	1.00	398.4
1H	15657	245	63	23	23	14	1.00	1.00	401.3
1I	-41875	372	38	23	23	14	1.03	1.00	926.8
1J	-41875	372	41	23	23	14	1.03	1.00	929.7
1K	-41875	448	38	23	23	14	1.03	1.00	946.5
1L	-41875	448	41	23	23	14	1.03	1.00	949.3
1M	39275	372	38	23	23	14	1.00	1.00	853.9
1N	39275	372	41	23	23	14	1.00	1.00	856.7
1O	39275	448	38	23	23	14	1.00	1.00	873.4
1P	39275	448	41	23	23	14	1.00	1.00	876.2
2	-16110	65	16	23	23	14	1.03	1.00	337.5
7	-16120	65	16	23	23	14	1.03	1.00	337.9
8	-11860	31	12	23	23	14	1.03	1.00	244.3

ASTA NUM. 62 NI 40 NF 29 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6734	-10	65	0	0	0	125.2	0.1	5.5	0.0	125.5	4	
1B	0	-6734	14	65	0	0	-0	125.2	0.1	5.5	0.0	125.5	4	
1C	0	-6734	-10	-91	0	-0	0	125.2	0.1	7.7	0.0	125.9	4	
1D	0	-6734	14	-91	0	-0	-0	125.2	0.1	7.7	0.0	125.9	4	
1E	0	6264	-10	65	0	0	0	116.4	0.1	5.5	0.0	116.8	4	
1F	0	6264	14	65	0	0	-0	116.4	0.1	5.5	0.0	116.8	4	
1G	0	6264	-10	-91	0	-0	0	116.4	0.1	7.7	0.0	117.2	4	
1H	0	6264	14	-91	0	-0	-0	116.4	0.1	7.7	0.0	117.2	4	
1I	0	-8448	-4	104	0	0	0	157.0	0.1	8.8	0.0	157.8	4	
1J	0	-8448	8	104	0	0	-0	157.0	0.1	8.8	0.0	157.8	4	
1K	0	-8448	-4	-129	0	-0	0	157.0	0.1	11.0	0.0	158.2	4	
1L	0	-8448	8	-129	0	-0	-0	157.0	0.2	11.0	0.0	158.2	4	
1M	0	7978	-4	104	0	0	0	148.3	0.1	8.8	0.0	149.1	4	
1N	0	7978	8	104	0	0	-0	148.3	0.1	8.8	0.0	149.1	4	
1O	0	7978	-4	-129	0	-0	0	148.3	0.1	11.0	0.0	149.5	4	
1P	0	7978	8	-129	0	-0	-0	148.3	0.2	11.0	0.0	149.5	4	
2	0	7778	10	-30	0	-2	-0	144.6	0.5	2.5	0.0	145.1	1	
7	0	6996	10	-31	0	-2	-0	130.0	0.5	2.6	0.0	130.5	1	
8	0	5785	6	-19	0	-1	-0	107.5	0.4	1.6	0.0	107.9	1	
1A	55	-6711	-10	65	0	51	-5	124.7	17.1	5.5	0.0	141.8	1	
1B	55	-6711	14	65	0	51	8	124.7	18.7	5.5	0.0	143.4	1	
1C	55	-6711	-10	-91	0	-37	-5	124.7	13.5	7.7	0.0	138.2	1	
1D	55	-6711	14	-91	0	-37	8	124.7	15.1	7.7	0.0	139.8	1	
1E	55	6287	-10	65	0	51	-5	116.9	17.1	5.5	0.0	133.9	1	
1F	55	6287	14	65	0	51	8	116.9	18.7	5.5	0.0	135.5	1	
1G	55	6287	-10	-91	0	-37	-5	116.9	13.5	7.7	0.0	130.3	1	
1H	55	6287	14	-91	0	-37	8	116.9	15.1	7.7	0.0	131.9	1	
1I	55	-8425	-4	104	0	72	-2	156.6	20.1	8.8	0.0	176.6	1	
1J	55	-8425	8	104	0	72	4	156.6	21.6	8.8	0.0	178.2	1	
1K	55	-8425	-4	-129	0	-58	-2	156.6	16.4	11.0	0.0	173.0	1	
1L	55	-8425	8	-129	0	-58	4	156.6	18.0	11.0	0.0	174.6	1	
1M	55	8002	-4	104	0	72	-2	148.7	20.1	8.8	0.0	168.8	1	
1N	55	8002	8	104	0	72	4	148.7	21.6	8.8	0.0	170.4	1	
1O	55	8002	-4	-129	0	-58	-2	148.7	16.4	11.0	0.0	165.2	1	
1P	55	8002	8	-129	0	-58	4	148.7	18.0	11.0	0.0	166.8	1	
2	55	7808	10	-30	0	15	6	145.1	8.1	2.5	0.0	153.2	1	
7	55	7026	10	-31	0	16	6	130.6	8.2	2.6	0.0	138.8	1	
8	55	5815	6	-19	0	9	4	108.1	5.1	1.6	0.0	113.1	1	
1A	111	-6687	-10	65	0	101	-11	124.3	34.1	5.5	0.0	158.4	1	
1B	111	-6687	14	65	0	101	15	124.3	37.3	5.5	0.0	161.6	1	
1C	111	-6687	-10	-91	0	-73	-11	124.3	26.9	7.7	0.0	151.2	1	
1D	111	-6687	14	-91	0	-73	15	124.3	30.1	7.7	0.0	154.4	1	
1E	111	6311	-10	65	0	101	-11	117.3	34.1	5.5	0.0	151.4	1	
1F	111	6311	14	65	0	101	15	117.3	37.3	5.5	0.0	154.6	1	
1G	111	6311	-10	-91	0	-73	-11	117.3	26.9	7.7	0.0	144.2	1	
1H	111	6311	14	-91	0	-73	15	117.3	30.1	7.7	0.0	147.4	1	
1I	111	-8402	-4	104	0	143	-4	156.2	40.1	8.8	0.0	196.2	1	
1J	111	-8402	8	104	0	143	9	156.2	43.3	8.8	0.0	199.4	1	
1K	111	-8402	-4	-129	0	-115	-4	156.2	32.8	11.0	0.0	189.0	1	
1L	111	-8402	8	-129	0	-115	9	156.2	36.0	11.0	0.0	192.2	1	
1M	111	8025	-4	104	0	143	-4	149.2	40.1	8.8	0.0	189.2	1	
1N	111	8025	8	104	0	143	9	149.2	43.3	8.8	0.0	192.4	1	
1O	111	8025	-4	-129	0	-115	-4	149.2	32.8	11.0	0.0	182.0	1	
1P	111	8025	8	-129	0	-115	9	149.2	36.0	11.0	0.0	185.2	1	
2	111	7839	10	-30	0	31	12	145.7	16.7	2.5	0.0	162.4	1	
7	111	7057	10	-31	0	33	11	131.2	16.8	2.6	0.0	148.0	1	
8	111	5845	6	-19	0	20	7	108.6	10.5	1.6	0.0	119.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6734	61	7	23	23	14	1.03	1.00	149.4	

1B	-6734	61	9	23	23	14	1.03	1.00	151.4
1C	-6734	44	7	23	23	14	1.03	1.00	145.1
1D	-6734	44	9	23	23	14	1.03	1.00	147.0
1E	6311	61	7	23	23	14	1.00	1.00	137.8
1F	6311	61	9	23	23	14	1.00	1.00	139.7
1G	6311	44	7	23	23	14	1.00	1.00	133.5
1H	6311	44	9	23	23	14	1.00	1.00	135.4
1I	-8448	86	3	23	23	14	1.03	1.00	185.8
1J	-8448	86	5	23	23	14	1.03	1.00	187.8
1K	-8448	69	3	23	23	14	1.03	1.00	181.5
1L	-8448	69	5	23	23	14	1.03	1.00	183.4
1M	8025	86	3	23	23	14	1.00	1.00	173.2
1N	8025	86	5	23	23	14	1.00	1.00	175.1
1O	8025	69	3	23	23	14	1.00	1.00	168.9
1P	8025	69	5	23	23	14	1.00	1.00	170.8
2	7839	18	7	23	23	14	1.00	1.00	155.5
7	7057	19	7	23	23	14	1.00	1.00	141.1
8	5845	12	4	23	23	14	1.00	1.00	114.8

ASTA NUM. 63 NI 80 NF 69 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9516	-32	105	0	0	0	176.9	0.2	8.9	0.0	177.6	4	
1B	0	-9516	31	105	0	0	-0	176.9	0.2	8.9	0.0	177.6	4	
1C	0	-9516	-32	-142	0	-1	0	176.9	0.3	12.1	0.0	178.1	4	
1D	0	-9516	31	-142	0	-1	-0	176.9	0.3	12.1	0.0	178.1	4	
1E	0	8646	-32	105	0	0	0	160.7	0.2	8.9	0.0	161.4	4	
1F	0	8646	31	105	0	0	-0	160.7	0.2	8.9	0.0	161.4	4	
1G	0	8646	-32	-142	0	-1	0	160.7	0.3	12.1	0.0	162.1	4	
1H	0	8646	31	-142	0	-1	-0	160.7	0.3	12.1	0.0	162.1	4	
1I	0	-15235	-21	205	0	1	0	283.2	0.2	17.3	0.0	284.8	4	
1J	0	-15235	20	205	0	1	-0	283.2	0.2	17.3	0.0	284.8	4	
1K	0	-15235	-21	-242	0	-1	0	283.2	0.3	20.5	0.0	285.4	4	
1L	0	-15235	20	-242	0	-1	-0	283.2	0.3	20.5	0.0	285.4	4	
1M	0	14365	-21	205	0	1	0	267.0	0.2	17.3	0.0	268.7	4	
1N	0	14365	20	205	0	1	-0	267.0	0.2	17.3	0.0	268.7	4	
1O	0	14365	-21	-242	0	-1	0	267.0	0.3	20.5	0.0	269.4	4	
1P	0	14365	20	-242	0	-1	-0	267.0	0.3	20.5	0.0	269.4	4	
2	0	9320	1	-50	0	-2	0	173.2	0.6	4.2	0.0	173.9	3	
7	0	8855	1	-44	0	-2	0	164.6	0.5	3.7	0.0	165.2	3	
8	0	6664	0	-37	0	-2	0	123.9	0.4	3.2	0.0	124.4	3	
1A	55	-9493	-32	105	0	79	-18	176.4	33.4	8.9	0.0	209.9	1	
1B	55	-9493	31	105	0	79	17	176.4	33.1	8.9	0.0	209.6	1	
1C	55	-9493	-32	-142	0	-59	-18	176.4	28.2	12.1	0.0	204.7	1	
1D	55	-9493	31	-142	0	-59	17	176.4	27.9	12.1	0.0	204.4	1	
1E	55	8669	-32	105	0	79	-18	161.1	33.4	8.9	0.0	194.6	1	
1F	55	8669	31	105	0	79	17	161.1	33.1	8.9	0.0	194.3	1	
1G	55	8669	-32	-142	0	-59	-18	161.1	28.2	12.1	0.0	189.3	1	
1H	55	8669	31	-142	0	-59	17	161.1	27.9	12.1	0.0	189.1	1	
1I	55	-15212	-21	205	0	134	-12	282.7	43.3	17.3	0.0	326.0	1	
1J	55	-15212	20	205	0	134	11	282.7	43.0	17.3	0.0	325.7	1	
1K	55	-15212	-21	-242	0	-114	-12	282.7	38.0	20.5	0.0	320.8	1	
1L	55	-15212	20	-242	0	-114	11	282.7	37.8	20.5	0.0	320.5	1	
1M	55	14388	-21	205	0	134	-12	267.4	43.3	17.3	0.0	310.7	1	
1N	55	14388	20	205	0	134	11	267.4	43.0	17.3	0.0	310.4	1	
1O	55	14388	-21	-242	0	-114	-12	267.4	38.0	20.5	0.0	305.5	1	
1P	55	14388	20	-242	0	-114	11	267.4	37.8	20.5	0.0	305.2	1	
2	55	9350	1	-50	0	25	0	173.8	6.8	4.2	0.0	180.6	1	
7	55	8886	1	-44	0	22	1	165.2	6.2	3.7	0.0	171.4	1	
8	55	6694	0	-37	0	19	0	124.4	5.0	3.2	0.0	129.4	1	
1A	111	-9470	-32	105	0	158	-35	176.0	66.9	8.9	0.0	242.9	1	
1B	111	-9470	31	105	0	158	34	176.0	66.3	8.9	0.0	242.3	1	
1C	111	-9470	-32	-142	0	-117	-35	176.0	56.4	12.1	0.0	232.4	1	
1D	111	-9470	31	-142	0	-117	34	176.0	55.8	12.1	0.0	231.8	1	
1E	111	8692	-32	105	0	158	-35	161.6	66.9	8.9	0.0	228.5	1	
1F	111	8692	31	105	0	158	34	161.6	66.3	8.9	0.0	227.9	1	
1G	111	8692	-32	-142	0	-117	-35	161.6	56.4	12.1	0.0	218.0	1	
1H	111	8692	31	-142	0	-117	34	161.6	55.8	12.1	0.0	217.4	1	
1I	111	-15188	-21	205	0	268	-23	282.3	86.5	17.3	0.0	368.8	1	
1J	111	-15188	20	205	0	268	23	282.3	85.9	17.3	0.0	368.2	1	
1K	111	-15188	-21	-242	0	-227	-23	282.3	76.0	20.5	0.0	358.3	1	
1L	111	-15188	20	-242	0	-227	23	282.3	75.4	20.5	0.0	357.7	1	
1M	111	14412	-21	205	0	268	-23	267.9	86.5	17.3	0.0	354.3	1	
1N	111	14412	20	205	0	268	23	267.9	85.9	17.3	0.0	353.7	1	
1O	111	14412	-21	-242	0	-227	-23	267.9	76.0	20.5	0.0	343.8	1	
1P	111	14412	20	-242	0	-227	23	267.9	75.4	20.5	0.0	343.2	1	
2	111	9380	1	-50	0	53	1	174.3	14.1	4.2	0.0	188.5	1	
7	111	8916	1	-44	0	47	1	165.7	13.0	3.7	0.0	178.8	1	
8	111	6725	0	-37	0	40	0	125.0	10.4	3.2	0.0	135.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9516	95	21	23	23	14	1.03	1.00	222.4	
1B	-9516	95	21	23	23	14	1.03	1.00	222.1	

1C	-9516	70	21	23	23	14	1.03	1.00	216.1
1D	-9516	70	21	23	23	14	1.03	1.00	215.8
1E	8692	95	21	23	23	14	1.00	1.00	201.7
1F	8692	95	21	23	23	14	1.00	1.00	201.3
1G	8692	70	21	23	23	14	1.00	1.00	195.4
1H	8692	70	21	23	23	14	1.00	1.00	195.1
1I	-15235	161	14	23	23	14	1.03	1.00	343.8
1J	-15235	161	14	23	23	14	1.03	1.00	343.4
1K	-15235	137	14	23	23	14	1.03	1.00	337.5
1L	-15235	137	14	23	23	14	1.03	1.00	337.1
1M	14412	161	14	23	23	14	1.00	1.00	319.8
1N	14412	161	14	23	23	14	1.00	1.00	319.4
1O	14412	137	14	23	23	14	1.00	1.00	313.5
1P	14412	137	14	23	23	14	1.00	1.00	313.1
2	9380	31	0	23	23	14	1.00	1.00	182.6
7	8916	27	1	23	23	14	1.00	1.00	173.3
8	6725	23	0	23	23	14	1.00	1.00	131.1

ASTA NUM. 64 NI 120 NF 109 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11637	-26	114	0	1	0	216.3	0.2	9.7	0.0	217.0	4	
1B	0	-11637	25	114	0	1	-0	216.3	0.2	9.7	0.0	217.0	4	
1C	0	-11637	-26	-165	0	-0	0	216.3	0.2	14.0	0.0	217.7	4	
1D	0	-11637	25	-165	0	-0	-0	216.3	0.2	14.0	0.0	217.7	4	
1E	0	8615	-26	114	0	1	0	160.1	0.2	9.7	0.0	161.0	4	
1F	0	8615	25	114	0	1	-0	160.1	0.2	9.7	0.0	161.0	4	
1G	0	8615	-26	-165	0	-0	0	160.1	0.2	14.0	0.0	162.0	4	
1H	0	8615	25	-165	0	-0	-0	160.1	0.2	14.0	0.0	162.0	4	
1I	0	-25615	-20	329	0	1	0	476.1	0.4	27.9	0.0	478.6	4	
1J	0	-25615	20	329	0	1	-0	476.1	0.4	27.9	0.0	478.6	4	
1K	0	-25615	-20	-380	0	-1	0	476.1	0.4	32.2	0.0	479.4	4	
1L	0	-25615	20	-380	0	-1	-0	476.1	0.4	32.2	0.0	479.4	4	
1M	0	22593	-20	329	0	1	0	419.9	0.4	27.9	0.0	422.7	4	
1N	0	22593	20	329	0	1	-0	419.9	0.4	27.9	0.0	422.7	4	
1O	0	22593	-20	-380	0	-1	0	419.9	0.4	32.2	0.0	423.6	4	
1P	0	22593	20	-380	0	-1	-0	419.9	0.4	32.2	0.0	423.6	4	
2	0	7701	-0	-23	0	-2	0	143.1	0.4	2.0	0.0	143.5	1	
7	0	7891	1	-19	0	-2	0	146.7	0.4	1.6	0.0	147.1	1	
8	0	4985	-1	-23	0	-1	0	92.7	0.3	2.0	0.0	93.0	3	
1A	55	-11614	-26	114	0	92	-14	215.9	34.1	9.7	0.0	250.0	1	
1B	55	-11614	25	114	0	92	14	215.9	33.8	9.7	0.0	249.7	1	
1C	55	-11614	-26	-165	0	-64	-14	215.9	26.9	14.0	0.0	242.7	1	
1D	55	-11614	25	-165	0	-64	14	215.9	26.5	14.0	0.0	242.4	1	
1E	55	8638	-26	114	0	92	-14	160.6	34.1	9.7	0.0	194.7	1	
1F	55	8638	25	114	0	92	14	160.6	33.8	9.7	0.0	194.4	1	
1G	55	8638	-26	-165	0	-64	-14	160.6	26.9	14.0	0.0	187.4	1	
1H	55	8638	25	-165	0	-64	14	160.6	26.5	14.0	0.0	187.1	1	
1I	55	-25592	-20	329	0	211	-11	475.7	62.8	27.9	0.0	538.4	1	
1J	55	-25592	20	329	0	211	11	475.7	62.4	27.9	0.0	538.1	1	
1K	55	-25592	-20	-380	0	-183	-11	475.7	55.5	32.2	0.0	531.2	1	
1L	55	-25592	20	-380	0	-183	11	475.7	55.2	32.2	0.0	530.9	1	
1M	55	22617	-20	329	0	211	-11	420.4	62.8	27.9	0.0	483.1	1	
1N	55	22617	20	329	0	211	11	420.4	62.4	27.9	0.0	482.8	1	
1O	55	22617	-20	-380	0	-183	-11	420.4	55.5	32.2	0.0	475.9	1	
1P	55	22617	20	-380	0	-183	11	420.4	55.2	32.2	0.0	475.6	1	
2	55	7732	-0	-23	0	11	-0	143.7	3.1	2.0	0.0	146.8	1	
7	55	7921	1	-19	0	9	0	147.2	2.5	1.6	0.0	149.7	1	
8	55	5016	-1	-23	0	12	-0	93.2	3.3	2.0	0.0	96.5	1	
1A	111	-11590	-26	114	0	183	-28	215.4	68.2	9.7	0.0	283.7	1	
1B	111	-11590	25	114	0	183	27	215.4	67.6	9.7	0.0	283.0	1	
1C	111	-11590	-26	-165	0	-127	-28	215.4	53.7	14.0	0.0	269.1	1	
1D	111	-11590	25	-165	0	-127	27	215.4	53.1	14.0	0.0	268.5	1	
1E	111	8662	-26	114	0	183	-28	161.0	68.2	9.7	0.0	229.2	1	
1F	111	8662	25	114	0	183	27	161.0	67.6	9.7	0.0	228.6	1	
1G	111	8662	-26	-165	0	-127	-28	161.0	53.7	14.0	0.0	214.7	1	
1H	111	8662	25	-165	0	-127	27	161.0	53.1	14.0	0.0	214.1	1	
1I	111	-25568	-20	329	0	421	-23	475.2	125.3	27.9	0.0	600.5	1	
1J	111	-25568	20	329	0	421	22	475.2	124.6	27.9	0.0	599.9	1	
1K	111	-25568	-20	-380	0	-365	-23	475.2	110.8	32.2	0.0	586.0	1	
1L	111	-25568	20	-380	0	-365	22	475.2	110.1	32.2	0.0	585.4	1	
1M	111	22640	-20	329	0	421	-23	420.8	125.3	27.9	0.0	546.1	1	
1N	111	22640	20	329	0	421	22	420.8	124.6	27.9	0.0	545.5	1	
1O	111	22640	-20	-380	0	-365	-23	420.8	110.8	32.2	0.0	531.6	1	
1P	111	22640	20	-380	0	-365	22	420.8	110.1	32.2	0.0	530.9	1	
2	111	7762	-0	-23	0	24	-0	144.3	6.5	2.0	0.0	150.8	1	
7	111	7951	1	-19	0	19	1	147.8	5.3	1.6	0.0	153.1	1	
8	111	5046	-1	-23	0	25	-1	93.8	6.8	2.0	0.0	100.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11637	110	17	23	23	14	1.03	1.00	263.9	
1B	-11637	110	16	23	23	14	1.03	1.00	263.5	
1C	-11637	76	17	23	23	14	1.03	1.00	255.1	

1D	-11637	76	16	23	23	14	1.03	1.00	254.7
1E	8662	110	17	23	23	14	1.00	1.00	202.0
1F	8662	110	16	23	23	14	1.00	1.00	201.6
1G	8662	76	17	23	23	14	1.00	1.00	193.2
1H	8662	76	16	23	23	14	1.00	1.00	192.8
1I	-25615	253	13	23	23	14	1.03	1.00	566.1
1J	-25615	253	13	23	23	14	1.03	1.00	565.7
1K	-25615	219	13	23	23	14	1.03	1.00	557.3
1L	-25615	219	13	23	23	14	1.03	1.00	556.9
1M	22640	253	13	23	23	14	1.00	1.00	496.1
1N	22640	253	13	23	23	14	1.00	1.00	495.7
1O	22640	219	13	23	23	14	1.00	1.00	487.4
1P	22640	219	13	23	23	14	1.00	1.00	487.0
2	7762	14	0	23	23	14	1.00	1.00	148.0
7	7951	11	0	23	23	14	1.00	1.00	150.8
8	5046	14	0	23	23	14	1.00	1.00	97.8

ASTA NUM. 65 NI 160 NF 149 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14314	-18	156	0	1	0	266.1	0.2	13.2	0.0	267.0	4	
1B	0	-14314	16	156	0	1	-0	266.1	0.2	13.2	0.0	267.0	4	
1C	0	-14314	-18	-230	0	-0	0	266.1	0.2	19.5	0.0	268.2	4	
1D	0	-14314	16	-230	0	-0	-0	266.1	0.2	19.5	0.0	268.2	4	
1E	0	9930	-18	156	0	1	0	184.6	0.2	13.2	0.0	186.0	4	
1F	0	9930	16	156	0	1	-0	184.6	0.2	13.2	0.0	186.0	4	
1G	0	9930	-18	-230	0	-0	0	184.6	0.2	19.5	0.0	187.6	4	
1H	0	9930	16	-230	0	-0	-0	184.6	0.2	19.5	0.0	187.6	4	
1I	0	-32228	-18	449	0	1	0	599.0	0.4	38.1	0.0	602.7	4	
1J	0	-32228	16	449	0	1	-0	599.0	0.4	38.1	0.0	602.7	4	
1K	0	-32228	-18	-523	0	-1	0	599.0	0.3	44.4	0.0	603.9	4	
1L	0	-32228	16	-523	0	-1	-0	599.0	0.3	44.4	0.0	603.9	4	
1M	0	27844	-18	449	0	1	0	517.5	0.4	38.1	0.0	521.7	4	
1N	0	27844	16	449	0	1	-0	517.5	0.4	38.1	0.0	521.7	4	
1O	0	27844	-18	-523	0	-1	0	517.5	0.3	44.4	0.0	523.2	4	
1P	0	27844	16	-523	0	-1	-0	517.5	0.3	44.4	0.0	523.2	4	
2	0	9111	-4	46	0	-1	0	169.3	0.3	3.9	0.0	169.7	3	
7	0	9079	-4	45	0	-1	0	168.8	0.3	3.9	0.0	169.1	3	
8	0	5598	-3	19	0	-1	0	104.1	0.2	1.6	0.0	104.3	1	
1A	55	-14291	-18	156	0	128	-10	265.6	40.1	13.2	0.0	305.8	1	
1B	55	-14291	16	156	0	128	9	265.6	39.6	13.2	0.0	305.2	1	
1C	55	-14291	-18	-230	0	-87	-10	265.6	29.5	19.5	0.0	295.2	1	
1D	55	-14291	16	-230	0	-87	9	265.6	29.0	19.5	0.0	294.6	1	
1E	55	9953	-18	156	0	128	-10	185.0	40.1	13.2	0.0	225.1	1	
1F	55	9953	16	156	0	128	9	185.0	39.6	13.2	0.0	224.6	1	
1G	55	9953	-18	-230	0	-87	-10	185.0	29.5	19.5	0.0	214.5	1	
1H	55	9953	16	-230	0	-87	9	185.0	29.0	19.5	0.0	214.0	1	
1I	55	-32205	-18	449	0	291	-10	598.6	82.1	38.1	0.0	680.7	1	
1J	55	-32205	16	449	0	291	9	598.6	81.6	38.1	0.0	680.2	1	
1K	55	-32205	-18	-523	0	-250	-10	598.6	71.5	44.4	0.0	670.1	1	
1L	55	-32205	16	-523	0	-250	9	598.6	71.0	44.4	0.0	669.6	1	
1M	55	27867	-18	449	0	291	-10	518.0	82.1	38.1	0.0	600.1	1	
1N	55	27867	16	449	0	291	9	518.0	81.6	38.1	0.0	599.5	1	
1O	55	27867	-18	-523	0	-250	-10	518.0	71.5	44.4	0.0	589.5	1	
1P	55	27867	16	-523	0	-250	9	518.0	71.0	44.4	0.0	589.0	1	
2	55	9142	-4	46	0	-27	-2	169.9	8.3	3.9	0.0	178.3	1	
7	55	9110	-4	45	0	-26	-2	169.3	8.2	3.9	0.0	177.6	1	
8	55	5628	-3	19	0	-11	-2	104.6	4.1	1.6	0.0	108.7	1	
1A	111	-14268	-18	156	0	255	-19	265.2	80.2	13.2	0.0	345.4	1	
1B	111	-14268	16	156	0	255	18	265.2	79.1	13.2	0.0	344.3	1	
1C	111	-14268	-18	-230	0	-173	-19	265.2	59.0	19.5	0.0	324.2	1	
1D	111	-14268	16	-230	0	-173	18	265.2	57.9	19.5	0.0	323.1	1	
1E	111	9976	-18	156	0	255	-19	185.4	80.2	13.2	0.0	265.6	1	
1F	111	9976	16	156	0	255	18	185.4	79.1	13.2	0.0	264.5	1	
1G	111	9976	-18	-230	0	-173	-19	185.4	59.0	19.5	0.0	244.5	1	
1H	111	9976	16	-230	0	-173	18	185.4	57.9	19.5	0.0	243.3	1	
1I	111	-32182	-18	449	0	580	-20	598.2	164.0	38.1	0.0	762.2	1	
1J	111	-32182	16	449	0	580	18	598.2	162.9	38.1	0.0	761.1	1	
1K	111	-32182	-18	-523	0	-498	-20	598.2	142.9	44.4	0.0	741.1	1	
1L	111	-32182	16	-523	0	-498	18	598.2	141.8	44.4	0.0	739.9	1	
1M	111	27890	-18	449	0	580	-20	518.4	164.0	38.1	0.0	682.4	1	
1N	111	27890	16	449	0	580	18	518.4	162.9	38.1	0.0	681.3	1	
1O	111	27890	-18	-523	0	-498	-20	518.4	142.9	44.4	0.0	661.3	1	
1P	111	27890	16	-523	0	-498	18	518.4	141.8	44.4	0.0	660.2	1	
2	111	9172	-4	46	0	-52	-4	170.5	16.4	3.9	0.0	186.9	1	
7	111	9140	-4	45	0	-51	-4	169.9	16.2	3.9	0.0	186.1	1	
8	111	5659	-3	19	0	-22	-3	105.2	8.0	1.6	0.0	113.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14314	153	12	23	23	14	1.03	1.00	322.3	
1B	-14314	153	11	23	23	14	1.03	1.00	321.7	
1C	-14314	104	12	23	23	14	1.03	1.00	309.6	
1D	-14314	104	11	23	23	14	1.03	1.00	308.9	

1E	9976	153	12	23	23	14	1.00	1.00	233.6
1F	9976	153	11	23	23	14	1.00	1.00	232.9
1G	9976	104	12	23	23	14	1.00	1.00	220.9
1H	9976	104	11	23	23	14	1.00	1.00	220.2
1I	-32228	349	12	23	23	14	1.03	1.00	716.2
1J	-32228	349	11	23	23	14	1.03	1.00	715.5
1K	-32228	299	12	23	23	14	1.03	1.00	703.4
1L	-32228	299	11	23	23	14	1.03	1.00	702.7
1M	27890	349	12	23	23	14	1.00	1.00	616.9
1N	27890	349	11	23	23	14	1.00	1.00	616.2
1O	27890	299	12	23	23	14	1.00	1.00	604.2
1P	27890	299	11	23	23	14	1.00	1.00	603.5
2	9172	32	2	23	23	14	1.00	1.00	180.4
7	9140	31	2	23	23	14	1.00	1.00	179.7
8	5659	13	2	23	23	14	1.00	1.00	110.0

ASTA NUM. 66 NI 180 NF 169 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-23504	-19	242	0	1	0	436.9	0.3	20.5	0.0	438.3	4	
1B	0	-23504	20	242	0	1	-0	436.9	0.3	20.5	0.0	438.3	4	
1C	0	-23504	-19	-353	0	-1	0	436.9	0.2	29.9	0.0	439.9	4	
1D	0	-23504	20	-353	0	-1	-0	436.9	0.2	29.9	0.0	439.9	4	
1E	0	17008	-19	242	0	1	0	316.1	0.3	20.5	0.0	318.1	4	
1F	0	17008	20	242	0	1	-0	316.1	0.3	20.5	0.0	318.1	4	
1G	0	17008	-19	-353	0	-1	0	316.1	0.2	29.9	0.0	320.4	4	
1H	0	17008	20	-353	0	-1	-0	316.1	0.2	29.9	0.0	320.4	4	
1I	0	-40629	-12	535	0	1	0	755.2	0.4	45.4	0.0	759.3	4	
1J	0	-40629	13	535	0	1	-0	755.2	0.4	45.4	0.0	759.3	4	
1K	0	-40629	-12	-646	0	-1	0	755.2	0.4	54.8	0.0	761.1	4	
1L	0	-40629	13	-646	0	-1	-0	755.2	0.4	54.8	0.0	761.1	4	
1M	0	34133	-12	535	0	1	0	634.4	0.4	45.4	0.0	639.3	4	
1N	0	34133	13	535	0	1	-0	634.4	0.4	45.4	0.0	639.3	4	
1O	0	34133	-12	-646	0	-1	0	634.4	0.4	54.8	0.0	641.5	4	
1P	0	34133	13	-646	0	-1	-0	634.4	0.4	54.8	0.0	641.5	4	
2	0	7278	-2	79	0	-1	0	135.3	0.2	6.7	0.0	135.8	3	
7	0	7302	-2	80	0	-1	0	135.7	0.2	6.7	0.0	136.3	3	
8	0	3874	-1	35	0	-0	0	72.0	0.1	2.9	0.0	72.2	3	
1A	55	-23480	-19	242	0	196	-10	436.4	58.2	20.5	0.0	494.7	1	
1B	55	-23480	20	242	0	196	11	436.4	58.6	20.5	0.0	495.0	1	
1C	55	-23480	-19	-353	0	-135	-10	436.4	42.5	29.9	0.0	478.9	1	
1D	55	-23480	20	-353	0	-135	11	436.4	42.8	29.9	0.0	479.2	1	
1E	55	17032	-19	242	0	196	-10	316.6	58.2	20.5	0.0	374.8	1	
1F	55	17032	20	242	0	196	11	316.6	58.6	20.5	0.0	375.1	1	
1G	55	17032	-19	-353	0	-135	-10	316.6	42.5	29.9	0.0	359.0	1	
1H	55	17032	20	-353	0	-135	11	316.6	42.8	29.9	0.0	359.4	1	
1I	55	-40605	-12	535	0	359	-7	754.7	97.3	45.4	0.0	852.0	1	
1J	55	-40605	13	535	0	359	7	754.7	97.6	45.4	0.0	852.3	1	
1K	55	-40605	-12	-646	0	-298	-7	754.7	81.5	54.8	0.0	836.2	1	
1L	55	-40605	13	-646	0	-298	7	754.7	81.8	54.8	0.0	836.6	1	
1M	55	34156	-12	535	0	359	-7	634.9	97.3	45.4	0.0	732.1	1	
1N	55	34156	13	535	0	359	7	634.9	97.6	45.4	0.0	732.5	1	
1O	55	34156	-12	-646	0	-298	-7	634.9	81.5	54.8	0.0	716.4	1	
1P	55	34156	13	-646	0	-298	7	634.9	81.8	54.8	0.0	716.7	1	
2	55	7308	-2	79	0	-44	-1	135.8	12.1	6.7	0.0	148.0	1	
7	55	7332	-2	80	0	-45	-1	136.3	12.1	6.7	0.0	148.4	1	
8	55	3904	-1	35	0	-20	-1	72.6	5.5	2.9	0.0	78.0	1	
1A	111	-23457	-19	242	0	391	-21	436.0	116.3	20.5	0.0	552.3	1	
1B	111	-23457	20	242	0	391	22	436.0	116.9	20.5	0.0	552.9	1	
1C	111	-23457	-19	-353	0	-269	-21	436.0	84.8	29.9	0.0	520.8	1	
1D	111	-23457	20	-353	0	-269	22	436.0	85.4	29.9	0.0	521.4	1	
1E	111	17055	-19	242	0	391	-21	317.0	116.3	20.5	0.0	433.3	1	
1F	111	17055	20	242	0	391	22	317.0	116.9	20.5	0.0	434.0	1	
1G	111	17055	-19	-353	0	-269	-21	317.0	84.8	29.9	0.0	401.8	1	
1H	111	17055	20	-353	0	-269	22	317.0	85.4	29.9	0.0	402.4	1	
1I	111	-40582	-12	535	0	716	-13	754.3	194.2	45.4	0.0	948.5	1	
1J	111	-40582	13	535	0	716	14	754.3	194.8	45.4	0.0	949.2	1	
1K	111	-40582	-12	-646	0	-594	-13	754.3	162.7	54.8	0.0	917.0	1	
1L	111	-40582	13	-646	0	-594	14	754.3	163.3	54.8	0.0	917.6	1	
1M	111	34180	-12	535	0	716	-13	635.3	194.2	45.4	0.0	829.5	1	
1N	111	34180	13	535	0	716	14	635.3	194.8	45.4	0.0	830.2	1	
1O	111	34180	-12	-646	0	-594	-13	635.3	162.7	54.8	0.0	798.0	1	
1P	111	34180	13	-646	0	-594	14	635.3	163.3	54.8	0.0	798.6	1	
2	111	7339	-2	79	0	-88	-2	136.4	24.1	6.7	0.0	160.5	1	
7	111	7363	-2	80	0	-89	-2	136.9	24.1	6.7	0.0	161.0	1	
8	111	3934	-1	35	0	-39	-1	73.1	10.8	2.9	0.0	83.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-23504	235	13	23	23	14	1.03	1.00	520.2	
1B	-23504	235	13	23	23	14	1.03	1.00	520.6	
1C	-23504	162	13	23	23	14	1.03	1.00	501.2	
1D	-23504	162	13	23	23	14	1.03	1.00	501.6	
1E	17055	235	13	23	23	14	1.00	1.00	386.9	

1F	17055	235	13	23	23	14	1.00	1.00	387.2
1G	17055	162	13	23	23	14	1.00	1.00	367.9
1H	17055	162	13	23	23	14	1.00	1.00	368.3
1I	-40629	430	8	23	23	14	1.03	1.00	895.4
1J	-40629	430	8	23	23	14	1.03	1.00	895.8
1K	-40629	357	8	23	23	14	1.03	1.00	876.4
1L	-40629	357	8	23	23	14	1.03	1.00	876.7
1M	34180	430	8	23	23	14	1.00	1.00	752.0
1N	34180	430	8	23	23	14	1.00	1.00	752.3
1O	34180	357	8	23	23	14	1.00	1.00	733.1
1P	34180	357	8	23	23	14	1.00	1.00	733.4
2	7339	53	1	23	23	14	1.00	1.00	150.9
7	7363	53	1	23	23	14	1.00	1.00	151.4
8	3934	23	1	23	23	14	1.00	1.00	79.6

ASTA NUM. 67 NI 181 NF 192 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6330	-16	57	0	0	0	117.7	0.1	4.9	0.0	118.0	3	
1B	0	-6330	10	57	0	0	-0	117.7	0.1	4.9	0.0	118.0	3	
1C	0	-6330	-16	-77	0	-0	0	117.7	0.1	6.5	0.0	118.2	4	
1D	0	-6330	10	-77	0	-0	-0	117.7	0.1	6.5	0.0	118.2	4	
1E	0	4973	-16	57	0	0	0	92.4	0.1	4.9	0.0	92.8	4	
1F	0	4973	10	57	0	0	-0	92.4	0.1	4.9	0.0	92.8	4	
1G	0	4973	-16	-77	0	-0	0	92.4	0.1	6.5	0.0	93.1	4	
1H	0	4973	10	-77	0	-0	-0	92.4	0.1	6.5	0.0	93.1	4	
1I	0	-3611	-12	28	0	0	0	67.1	0.1	2.4	0.0	67.3	3	
1J	0	-3611	6	28	0	0	-0	67.1	0.1	2.4	0.0	67.3	3	
1K	0	-3611	-12	-48	0	-0	0	67.1	0.1	4.0	0.0	67.5	4	
1L	0	-3611	6	-48	0	-0	-0	67.1	0.1	4.0	0.0	67.5	4	
1M	0	2254	-12	28	0	0	0	41.9	0.1	2.4	0.0	42.1	3	
1N	0	2254	6	28	0	0	-0	41.9	0.1	2.4	0.0	42.1	3	
1O	0	2254	-12	-48	0	-0	0	41.9	0.1	4.0	0.0	42.5	4	
1P	0	2254	6	-48	0	-0	-0	41.9	0.1	4.0	0.0	42.5	4	
2	0	3049	-19	-87	0	-1	0	56.7	0.3	7.4	0.0	58.1	4	
7	0	2328	-17	-68	0	-1	0	43.3	0.3	5.7	0.0	44.4	4	
8	0	2701	-13	-82	0	-1	0	50.2	0.3	6.9	0.0	51.6	4	
1A	55	-6307	-16	57	0	43	-9	117.2	17.5	4.9	0.0	134.7	1	
1B	55	-6307	10	57	0	43	5	117.2	15.0	4.9	0.0	132.3	1	
1C	55	-6307	-16	-77	0	-32	-9	117.2	14.6	6.5	0.0	131.9	1	
1D	55	-6307	10	-77	0	-32	5	117.2	12.2	6.5	0.0	129.5	1	
1E	55	4996	-16	57	0	43	-9	92.9	17.5	4.9	0.0	110.3	1	
1F	55	4996	10	57	0	43	5	92.9	15.0	4.9	0.0	107.9	1	
1G	55	4996	-16	-77	0	-32	-9	92.9	14.6	6.5	0.0	107.5	1	
1H	55	4996	10	-77	0	-32	5	92.9	12.2	6.5	0.0	105.1	1	
1I	55	-3587	-12	28	0	27	-7	66.7	11.8	2.4	0.0	78.5	1	
1J	55	-3587	6	28	0	27	3	66.7	9.4	2.4	0.0	76.1	1	
1K	55	-3587	-12	-48	0	-16	-7	66.7	9.0	4.0	0.0	75.7	1	
1L	55	-3587	6	-48	0	-16	3	66.7	6.6	4.0	0.0	73.2	1	
1M	55	2277	-12	28	0	27	-7	42.3	11.8	2.4	0.0	54.1	1	
1N	55	2277	6	28	0	27	3	42.3	9.4	2.4	0.0	51.7	1	
1O	55	2277	-12	-48	0	-16	-7	42.3	9.0	4.0	0.0	51.3	1	
1P	55	2277	6	-48	0	-16	3	42.3	6.6	4.0	0.0	48.9	1	
2	55	3079	-19	-23	0	30	-10	57.2	15.3	2.0	0.0	72.5	1	
7	55	2358	-17	-23	0	24	-9	43.8	13.3	1.9	0.0	57.2	1	
8	55	2732	-13	-18	0	27	-7	50.8	12.3	1.5	0.0	63.0	1	
1A	111	-6284	-16	57	0	85	-17	116.8	34.9	4.9	0.0	151.7	1	
1B	111	-6284	10	57	0	85	11	116.8	30.0	4.9	0.0	146.8	1	
1C	111	-6284	-16	-77	0	-64	-17	116.8	29.3	6.5	0.0	146.1	1	
1D	111	-6284	10	-77	0	-64	11	116.8	24.4	6.5	0.0	141.2	1	
1E	111	5020	-16	57	0	85	-17	93.3	34.9	4.9	0.0	128.2	1	
1F	111	5020	10	57	0	85	11	93.3	30.0	4.9	0.0	123.3	1	
1G	111	5020	-16	-77	0	-64	-17	93.3	29.3	6.5	0.0	122.6	1	
1H	111	5020	10	-77	0	-64	11	93.3	24.4	6.5	0.0	117.7	1	
1I	111	-3564	-12	28	0	53	-13	66.2	23.6	2.4	0.0	89.8	1	
1J	111	-3564	6	28	0	53	7	66.2	18.7	2.4	0.0	85.0	1	
1K	111	-3564	-12	-48	0	-31	-13	66.2	18.0	4.0	0.0	84.2	1	
1L	111	-3564	6	-48	0	-31	7	66.2	13.1	4.0	0.0	79.4	1	
1M	111	2300	-12	28	0	53	-13	42.8	23.6	2.4	0.0	66.3	1	
1N	111	2300	6	28	0	53	7	42.8	18.7	2.4	0.0	61.5	1	
1O	111	2300	-12	-48	0	-31	-13	42.8	18.0	4.0	0.0	60.7	1	
1P	111	2300	6	-48	0	-31	7	42.8	13.1	4.0	0.0	55.9	1	
2	111	3109	-19	41	0	25	-21	57.8	21.8	3.5	0.0	79.6	1	
7	111	2389	-17	22	0	25	-19	44.4	20.6	1.9	0.0	65.0	1	
8	111	2762	-13	46	0	19	-14	51.3	15.7	3.9	0.0	67.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6330	51	10	23	23	14	1.03	1.00	142.2	
1B	-6330	51	6	23	23	14	1.03	1.00	139.3	
1C	-6330	38	10	23	23	14	1.03	1.00	138.8	
1D	-6330	38	6	23	23	14	1.03	1.00	135.9	
1E	5020	51	10	23	23	14	1.00	1.00	114.3	
1F	5020	51	6	23	23	14	1.00	1.00	111.3	

1G	5020	38	10	23	23	14	1.00	1.00	110.9
1H	5020	38	6	23	23	14	1.00	1.00	108.0
1I	-3611	32	8	23	23	14	1.03	1.00	83.3
1J	-3611	32	4	23	23	14	1.03	1.00	80.4
1K	-3611	19	8	23	23	14	1.03	1.00	79.9
1L	-3611	19	4	23	23	14	1.03	1.00	77.0
1M	2300	32	8	23	23	14	1.00	1.00	56.9
1N	2300	32	4	23	23	14	1.00	1.00	54.0
1O	2300	19	8	23	23	14	1.00	1.00	53.5
1P	2300	19	4	23	23	14	1.00	1.00	50.6
2	3109	14	12	23	23	14	1.00	1.00	70.7
7	2389	15	11	23	23	14	1.00	1.00	56.6
8	2762	11	9	23	23	14	1.00	1.00	60.6

ASTA NUM. 68 NI 201 NF 212 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6946	-16	71	0	0	0	129.1	0.1	6.0	0.0	129.5	4	
1B	0	-6946	10	71	0	0	-0	129.1	0.1	6.0	0.0	129.5	4	
1C	0	-6946	-16	-95	0	-0	0	129.1	0.2	8.1	0.0	129.9	4	
1D	0	-6946	10	-95	0	-0	-0	129.1	0.1	8.1	0.0	129.9	4	
1E	0	6567	-16	71	0	0	0	122.1	0.1	6.0	0.0	122.5	4	
1F	0	6567	10	71	0	0	-0	122.1	0.1	6.0	0.0	122.5	4	
1G	0	6567	-16	-95	0	-0	0	122.1	0.2	8.1	0.0	122.9	4	
1H	0	6567	10	-95	0	-0	-0	122.1	0.1	8.1	0.0	122.9	4	
1I	0	-9022	-11	112	0	0	0	167.7	0.1	9.5	0.0	168.5	4	
1J	0	-9022	6	112	0	0	-0	167.7	0.1	9.5	0.0	168.5	4	
1K	0	-9022	-11	-136	0	-0	0	167.7	0.2	11.6	0.0	168.9	4	
1L	0	-9022	6	-136	0	-0	-0	167.7	0.2	11.6	0.0	168.9	4	
1M	0	8643	-11	112	0	0	0	160.7	0.1	9.5	0.0	161.5	4	
1N	0	8643	6	112	0	0	-0	160.7	0.1	9.5	0.0	161.5	4	
1O	0	8643	-11	-136	0	-0	0	160.7	0.2	11.6	0.0	161.9	4	
1P	0	8643	6	-136	0	-0	-0	160.7	0.2	11.6	0.0	161.9	4	
2	0	8220	-18	-25	0	-2	0	152.8	0.5	2.1	0.0	153.3	1	
7	0	7393	-17	-27	0	-2	0	137.4	0.5	2.2	0.0	137.9	1	
8	0	6116	-13	-15	0	-1	0	113.7	0.4	1.3	0.0	114.1	1	
1A	55	-6923	-16	71	0	53	-9	128.7	20.1	6.0	0.0	148.8	1	
1B	55	-6923	10	71	0	53	6	128.7	17.8	6.0	0.0	146.5	1	
1C	55	-6923	-16	-95	0	-39	-9	128.7	16.7	8.1	0.0	145.3	1	
1D	55	-6923	10	-95	0	-39	6	128.7	14.3	8.1	0.0	143.0	1	
1E	55	6591	-16	71	0	53	-9	122.5	20.1	6.0	0.0	142.6	1	
1F	55	6591	10	71	0	53	6	122.5	17.8	6.0	0.0	140.3	1	
1G	55	6591	-16	-95	0	-39	-9	122.5	16.7	8.1	0.0	139.2	1	
1H	55	6591	10	-95	0	-39	6	122.5	14.3	8.1	0.0	136.8	1	
1I	55	-8999	-11	112	0	76	-6	167.3	24.2	9.5	0.0	191.5	1	
1J	55	-8999	6	112	0	76	3	167.3	21.9	9.5	0.0	189.2	1	
1K	55	-8999	-11	-136	0	-62	-6	167.3	20.7	11.6	0.0	188.0	1	
1L	55	-8999	6	-136	0	-62	3	167.3	18.4	11.6	0.0	185.7	1	
1M	55	8667	-11	112	0	76	-6	161.1	24.2	9.5	0.0	185.3	1	
1N	55	8667	6	112	0	76	3	161.1	21.9	9.5	0.0	183.0	1	
1O	55	8667	-11	-136	0	-62	-6	161.1	20.7	11.6	0.0	181.8	1	
1P	55	8667	6	-136	0	-62	3	161.1	18.4	11.6	0.0	179.5	1	
2	55	8250	-18	-25	0	12	-10	153.4	10.4	2.1	0.0	163.7	1	
7	55	7423	-17	-27	0	13	-9	138.0	10.2	2.2	0.0	148.1	1	
8	55	6146	-13	-15	0	7	-7	114.2	7.0	1.3	0.0	121.2	1	
1A	111	-6900	-16	71	0	106	-17	128.2	40.2	6.0	0.0	168.5	1	
1B	111	-6900	10	71	0	106	11	128.2	35.6	6.0	0.0	163.8	1	
1C	111	-6900	-16	-95	0	-79	-17	128.2	33.3	8.1	0.0	161.5	1	
1D	111	-6900	10	-95	0	-79	11	128.2	28.6	8.1	0.0	156.9	1	
1E	111	6614	-16	71	0	106	-17	122.9	40.2	6.0	0.0	163.2	1	
1F	111	6614	10	71	0	106	11	122.9	35.6	6.0	0.0	158.5	1	
1G	111	6614	-16	-95	0	-79	-17	122.9	33.3	8.1	0.0	156.2	1	
1H	111	6614	10	-95	0	-79	11	122.9	28.6	8.1	0.0	151.6	1	
1I	111	-8976	-11	112	0	151	-13	166.8	48.4	9.5	0.0	215.2	1	
1J	111	-8976	6	112	0	151	6	166.8	43.7	9.5	0.0	210.6	1	
1K	111	-8976	-11	-136	0	-124	-13	166.8	41.4	11.6	0.0	208.2	1	
1L	111	-8976	6	-136	0	-124	6	166.8	36.8	11.6	0.0	203.6	1	
1M	111	8690	-11	112	0	151	-13	161.5	48.4	9.5	0.0	209.9	1	
1N	111	8690	6	112	0	151	6	161.5	43.7	9.5	0.0	205.2	1	
1O	111	8690	-11	-136	0	-124	-13	161.5	41.4	11.6	0.0	202.9	1	
1P	111	8690	6	-136	0	-124	6	161.5	36.8	11.6	0.0	198.3	1	
2	111	8281	-18	-25	0	25	-20	153.9	21.3	2.1	0.0	175.2	1	
7	111	7453	-17	-27	0	28	-18	138.5	20.8	2.2	0.0	159.3	1	
8	111	6176	-13	-15	0	16	-14	114.8	14.4	1.3	0.0	129.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6946	63	10	23	23	14	1.03	1.00	157.2	
1B	-6946	63	7	23	23	14	1.03	1.00	154.4	
1C	-6946	47	10	23	23	14	1.03	1.00	153.0	
1D	-6946	47	7	23	23	14	1.03	1.00	150.2	
1E	6614	63	10	23	23	14	1.00	1.00	147.1	
1F	6614	63	7	23	23	14	1.00	1.00	144.3	
1G	6614	47	10	23	23	14	1.00	1.00	142.9	

1H	6614	47	7	23	23	14	1.00	1.00	140.1
1I	-9022	91	8	23	23	14	1.03	1.00	201.8
1J	-9022	91	4	23	23	14	1.03	1.00	199.0
1K	-9022	75	8	23	23	14	1.03	1.00	197.7
1L	-9022	75	4	23	23	14	1.03	1.00	194.9
1M	8690	91	8	23	23	14	1.00	1.00	190.6
1N	8690	91	4	23	23	14	1.00	1.00	187.8
1O	8690	75	8	23	23	14	1.00	1.00	186.4
1P	8690	75	4	23	23	14	1.00	1.00	183.6
2	8281	15	12	23	23	14	1.00	1.00	166.5
7	7453	16	11	23	23	14	1.00	1.00	150.8
8	6176	9	8	23	23	14	1.00	1.00	123.3

ASTA NUM. 69 NI 241 NF 252 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9895	-24	108	0	0	0	183.9	0.2	9.2	0.0	184.6	4	
1B	0	-9895	27	108	0	0	-0	183.9	0.2	9.2	0.0	184.6	4	
1C	0	-9895	-24	-146	0	-1	0	183.9	0.3	12.4	0.0	185.2	4	
1D	0	-9895	27	-146	0	-1	-0	183.9	0.3	12.4	0.0	185.2	4	
1E	0	8985	-24	108	0	0	0	167.0	0.2	9.2	0.0	167.8	4	
1F	0	8985	27	108	0	0	-0	167.0	0.2	9.2	0.0	167.8	4	
1G	0	8985	-24	-146	0	-1	0	167.0	0.3	12.4	0.0	168.4	4	
1H	0	8985	27	-146	0	-1	-0	167.0	0.3	12.4	0.0	168.4	4	
1I	0	-14944	-12	201	0	1	0	277.8	0.2	17.1	0.0	279.3	4	
1J	0	-14944	16	201	0	1	-0	277.8	0.2	17.1	0.0	279.3	4	
1K	0	-14944	-12	-239	0	-1	0	277.8	0.3	20.3	0.0	280.0	4	
1L	0	-14944	16	-239	0	-1	-0	277.8	0.3	20.3	0.0	280.0	4	
1M	0	14034	-12	201	0	1	0	260.9	0.2	17.1	0.0	262.5	4	
1N	0	14034	16	201	0	1	-0	260.9	0.2	17.1	0.0	262.5	4	
1O	0	14034	-12	-239	0	-1	0	260.9	0.3	20.3	0.0	263.2	4	
1P	0	14034	16	-239	0	-1	-0	260.9	0.3	20.3	0.0	263.2	4	
2	0	9357	7	-50	0	-2	-0	173.9	0.6	4.2	0.0	174.6	3	
7	0	8858	5	-44	0	-2	-0	164.6	0.6	3.7	0.0	165.2	3	
8	0	6683	5	-37	0	-2	-0	124.2	0.5	3.2	0.0	124.7	3	
1A	55	-9872	-24	108	0	81	-13	183.5	30.6	9.2	0.0	214.1	1	
1B	55	-9872	27	108	0	81	15	183.5	31.8	9.2	0.0	215.3	1	
1C	55	-9872	-24	-146	0	-61	-13	183.5	25.3	12.4	0.0	208.8	1	
1D	55	-9872	27	-146	0	-61	15	183.5	26.5	12.4	0.0	210.0	1	
1E	55	9008	-24	108	0	81	-13	167.4	30.6	9.2	0.0	198.0	1	
1F	55	9008	27	108	0	81	15	167.4	31.8	9.2	0.0	199.3	1	
1G	55	9008	-24	-146	0	-61	-13	167.4	25.3	12.4	0.0	192.7	1	
1H	55	9008	27	-146	0	-61	15	167.4	26.5	12.4	0.0	194.0	1	
1I	55	-14921	-12	201	0	133	-7	277.3	39.3	17.1	0.0	316.6	1	
1J	55	-14921	16	201	0	133	9	277.3	40.6	17.1	0.0	317.9	1	
1K	55	-14921	-12	-239	0	-112	-7	277.3	34.0	20.3	0.0	311.3	1	
1L	55	-14921	16	-239	0	-112	9	277.3	35.2	20.3	0.0	312.6	1	
1M	55	14057	-12	201	0	133	-7	261.3	39.3	17.1	0.0	300.6	1	
1N	55	14057	16	201	0	133	9	261.3	40.6	17.1	0.0	301.8	1	
1O	55	14057	-12	-239	0	-112	-7	261.3	34.0	20.3	0.0	295.3	1	
1P	55	14057	16	-239	0	-112	9	261.3	35.2	20.3	0.0	296.5	1	
2	55	9388	7	-50	0	25	4	174.5	9.2	4.2	0.0	183.6	1	
7	55	8888	5	-44	0	22	3	165.2	7.9	3.7	0.0	173.1	1	
8	55	6713	5	-37	0	19	3	124.8	7.1	3.2	0.0	131.8	1	
1A	111	-9848	-24	108	0	162	-26	183.1	61.2	9.2	0.0	244.2	1	
1B	111	-9848	27	108	0	162	29	183.1	63.7	9.2	0.0	246.8	1	
1C	111	-9848	-24	-146	0	-120	-26	183.1	50.5	12.4	0.0	233.5	1	
1D	111	-9848	27	-146	0	-120	29	183.1	53.0	12.4	0.0	236.1	1	
1E	111	9032	-24	108	0	162	-26	167.9	61.2	9.2	0.0	229.1	1	
1F	111	9032	27	108	0	162	29	167.9	63.7	9.2	0.0	231.6	1	
1G	111	9032	-24	-146	0	-120	-26	167.9	50.5	12.4	0.0	218.4	1	
1H	111	9032	27	-146	0	-120	29	167.9	53.0	12.4	0.0	220.9	1	
1I	111	-14898	-12	201	0	265	-14	276.9	78.5	17.1	0.0	355.4	1	
1J	111	-14898	16	201	0	265	17	276.9	81.0	17.1	0.0	358.0	1	
1K	111	-14898	-12	-239	0	-224	-14	276.9	67.8	20.3	0.0	344.7	1	
1L	111	-14898	16	-239	0	-224	17	276.9	70.4	20.3	0.0	347.3	1	
1M	111	14081	-12	201	0	265	-14	261.7	78.5	17.1	0.0	340.2	1	
1N	111	14081	16	201	0	265	17	261.7	81.0	17.1	0.0	342.8	1	
1O	111	14081	-12	-239	0	-224	-14	261.7	67.8	20.3	0.0	329.5	1	
1P	111	14081	16	-239	0	-224	17	261.7	70.4	20.3	0.0	332.1	1	
2	111	9418	7	-50	0	53	7	175.1	18.9	4.2	0.0	194.0	1	
7	111	8919	5	-44	0	47	6	165.8	16.3	3.7	0.0	182.1	1	
8	111	6743	5	-37	0	40	6	125.3	14.6	3.2	0.0	139.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9895	97	16	23	23	14	1.03	1.00	226.2	
1B	-9895	97	18	23	23	14	1.03	1.00	227.8	
1C	-9895	72	16	23	23	14	1.03	1.00	219.8	
1D	-9895	72	18	23	23	14	1.03	1.00	221.4	
1E	9032	97	16	23	23	14	1.00	1.00	204.6	
1F	9032	97	18	23	23	14	1.00	1.00	206.1	
1G	9032	72	16	23	23	14	1.00	1.00	198.2	
1H	9032	72	18	23	23	14	1.00	1.00	199.7	

1I	-14944	159	8	23	23	14	1.03	1.00	333.4
1J	-14944	159	10	23	23	14	1.03	1.00	334.9
1K	-14944	134	8	23	23	14	1.03	1.00	327.0
1L	-14944	134	10	23	23	14	1.03	1.00	328.5
1M	14081	159	8	23	23	14	1.00	1.00	308.9
1N	14081	159	10	23	23	14	1.00	1.00	310.4
1O	14081	134	8	23	23	14	1.00	1.00	302.5
1P	14081	134	10	23	23	14	1.00	1.00	304.0
2	9418	31	4	23	23	14	1.00	1.00	186.2
7	8919	27	3	23	23	14	1.00	1.00	175.3
8	6743	23	4	23	23	14	1.00	1.00	133.9

ASTA NUM. 70 NI 281 NF 292 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12044	-28	117	0	1	0	223.9	0.3	9.9	0.0	224.5	4	
1B	0	-12044	31	117	0	1	-0	223.9	0.3	9.9	0.0	224.5	4	
1C	0	-12044	-28	-169	0	-0	0	223.9	0.3	14.4	0.0	225.2	4	
1D	0	-12044	31	-169	0	-0	-0	223.9	0.3	14.4	0.0	225.2	4	
1E	0	8928	-28	117	0	1	0	165.9	0.3	9.9	0.0	166.8	4	
1F	0	8928	31	117	0	1	-0	165.9	0.3	9.9	0.0	166.8	4	
1G	0	8928	-28	-169	0	-0	0	165.9	0.3	14.4	0.0	167.8	4	
1H	0	8928	31	-169	0	-0	-0	165.9	0.3	14.4	0.0	167.8	4	
1I	0	-26453	-16	338	0	1	0	491.7	0.4	28.6	0.0	494.2	4	
1J	0	-26453	18	338	0	1	-0	491.7	0.4	28.6	0.0	494.2	4	
1K	0	-26453	-16	-390	0	-1	0	491.7	0.4	33.0	0.0	495.0	4	
1L	0	-26453	18	-390	0	-1	-0	491.7	0.4	33.0	0.0	495.0	4	
1M	0	23337	-16	338	0	1	0	433.8	0.4	28.6	0.0	436.6	4	
1N	0	23337	18	338	0	1	-0	433.8	0.4	28.6	0.0	436.6	4	
1O	0	23337	-16	-390	0	-1	0	433.8	0.4	33.0	0.0	437.5	4	
1P	0	23337	18	-390	0	-1	-0	433.8	0.4	33.0	0.0	437.5	4	
2	0	7634	5	-24	0	-2	-0	141.9	0.4	2.0	0.0	142.3	1	
7	0	7840	4	-19	0	-2	0	145.7	0.4	1.6	0.0	146.1	1	
8	0	4908	4	-24	0	-1	-0	91.2	0.3	2.1	0.0	91.5	3	
1A	55	-12020	-28	117	0	94	-16	223.4	35.9	9.9	0.0	259.3	1	
1B	55	-12020	31	117	0	94	17	223.4	36.8	9.9	0.0	260.2	1	
1C	55	-12020	-28	-169	0	-65	-16	223.4	28.5	14.4	0.0	251.9	1	
1D	55	-12020	31	-169	0	-65	17	223.4	29.4	14.4	0.0	252.8	1	
1E	55	8952	-28	117	0	94	-16	166.4	35.9	9.9	0.0	202.3	1	
1F	55	8952	31	117	0	94	17	166.4	36.8	9.9	0.0	203.2	1	
1G	55	8952	-28	-169	0	-65	-16	166.4	28.5	14.4	0.0	194.8	1	
1H	55	8952	31	-169	0	-65	17	166.4	29.4	14.4	0.0	195.7	1	
1I	55	-26429	-16	338	0	217	-9	491.3	62.4	28.6	0.0	553.6	1	
1J	55	-26429	18	338	0	217	10	491.3	63.2	28.6	0.0	554.5	1	
1K	55	-26429	-16	-390	0	-188	-9	491.3	54.9	33.0	0.0	546.2	1	
1L	55	-26429	18	-390	0	-188	10	491.3	55.8	33.0	0.0	547.1	1	
1M	55	23360	-16	338	0	217	-9	434.2	62.4	28.6	0.0	496.6	1	
1N	55	23360	18	338	0	217	10	434.2	63.2	28.6	0.0	497.5	1	
1O	55	23360	-16	-390	0	-188	-9	434.2	54.9	33.0	0.0	489.1	1	
1P	55	23360	18	-390	0	-188	10	434.2	55.8	33.0	0.0	490.0	1	
2	55	7664	5	-24	0	12	3	142.5	5.3	2.0	0.0	147.7	1	
7	55	7870	4	-19	0	9	2	146.3	4.1	1.6	0.0	150.4	1	
8	55	4938	4	-24	0	12	2	91.8	5.0	2.1	0.0	96.8	1	
1A	111	-11997	-28	117	0	188	-31	223.0	71.8	9.9	0.0	294.8	1	
1B	111	-11997	31	117	0	188	34	223.0	73.6	9.9	0.0	296.6	1	
1C	111	-11997	-28	-169	0	-130	-31	223.0	56.9	14.4	0.0	279.9	1	
1D	111	-11997	31	-169	0	-130	34	223.0	58.7	14.4	0.0	281.7	1	
1E	111	8975	-28	117	0	188	-31	166.8	71.8	9.9	0.0	238.6	1	
1F	111	8975	31	117	0	188	34	166.8	73.6	9.9	0.0	240.4	1	
1G	111	8975	-28	-169	0	-130	-31	166.8	56.9	14.4	0.0	223.8	1	
1H	111	8975	31	-169	0	-130	34	166.8	58.7	14.4	0.0	225.6	1	
1I	111	-26406	-16	338	0	433	-18	490.8	124.5	28.6	0.0	615.3	1	
1J	111	-26406	18	338	0	433	20	490.8	126.3	28.6	0.0	617.1	1	
1K	111	-26406	-16	-390	0	-375	-18	490.8	109.6	33.0	0.0	600.4	1	
1L	111	-26406	18	-390	0	-375	20	490.8	111.4	33.0	0.0	602.2	1	
1M	111	23384	-16	338	0	433	-18	434.6	124.5	28.6	0.0	559.1	1	
1N	111	23384	18	338	0	433	20	434.6	126.3	28.6	0.0	560.9	1	
1O	111	23384	-16	-390	0	-375	-18	434.6	109.6	33.0	0.0	544.3	1	
1P	111	23384	18	-390	0	-375	20	434.6	111.4	33.0	0.0	546.0	1	
2	111	7695	5	-24	0	25	6	143.0	10.9	2.0	0.0	154.0	1	
7	111	7901	4	-19	0	20	5	146.9	8.5	1.6	0.0	155.4	1	
8	111	4969	4	-24	0	26	5	92.4	10.3	2.1	0.0	102.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12044	113	19	23	23	14	1.03	1.00	273.8	
1B	-12044	113	20	23	23	14	1.03	1.00	274.9	
1C	-12044	78	19	23	23	14	1.03	1.00	264.9	
1D	-12044	78	20	23	23	14	1.03	1.00	265.9	
1E	8975	113	19	23	23	14	1.00	1.00	209.9	
1F	8975	113	20	23	23	14	1.00	1.00	211.0	
1G	8975	78	19	23	23	14	1.00	1.00	201.0	
1H	8975	78	20	23	23	14	1.00	1.00	202.1	
1I	-26453	260	11	23	23	14	1.03	1.00	581.6	

1J	-26453	260	12	23	23	14	1.03	1.00	582.7
1K	-26453	225	11	23	23	14	1.03	1.00	572.7
1L	-26453	225	12	23	23	14	1.03	1.00	573.8
1M	23384	260	11	23	23	14	1.00	1.00	509.4
1N	23384	260	12	23	23	14	1.00	1.00	510.5
1O	23384	225	11	23	23	14	1.00	1.00	500.5
1P	23384	225	12	23	23	14	1.00	1.00	501.6
2	7695	14	4	23	23	14	1.00	1.00	149.4
7	7901	11	3	23	23	14	1.00	1.00	151.8
8	4969	15	3	23	23	14	1.00	1.00	98.4

ASTA NUM. 71 NI 321 NF 332 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-15100	-16	160	0	1	0	280.7	0.2	13.5	0.0	281.6	4	
1B	0	-15100	18	160	0	1	-0	280.7	0.2	13.5	0.0	281.6	4	
1C	0	-15100	-16	-235	0	-0	0	280.7	0.2	19.9	0.0	282.8	4	
1D	0	-15100	18	-235	0	-0	-0	280.7	0.2	19.9	0.0	282.8	4	
1E	0	10618	-16	160	0	1	0	197.4	0.2	13.5	0.0	198.8	4	
1F	0	10618	18	160	0	1	-0	197.4	0.2	13.5	0.0	198.8	4	
1G	0	10618	-16	-235	0	-0	0	197.4	0.2	19.9	0.0	200.4	4	
1H	0	10618	18	-235	0	-0	-0	197.4	0.2	19.9	0.0	200.4	4	
1I	0	-33399	-7	460	0	1	0	620.8	0.4	39.0	0.0	624.5	4	
1J	0	-33399	8	460	0	1	-0	620.8	0.4	39.0	0.0	624.5	4	
1K	0	-33399	-7	-536	0	-1	0	620.8	0.3	45.4	0.0	625.8	4	
1L	0	-33399	8	-536	0	-1	-0	620.8	0.3	45.4	0.0	625.8	4	
1M	0	28917	-7	460	0	1	0	537.5	0.4	39.0	0.0	541.7	4	
1N	0	28917	8	460	0	1	-0	537.5	0.4	39.0	0.0	541.7	4	
1O	0	28917	-7	-536	0	-1	0	537.5	0.3	45.4	0.0	543.2	4	
1P	0	28917	8	-536	0	-1	-0	537.5	0.3	45.4	0.0	543.2	4	
2	0	9248	7	48	0	-1	-0	171.9	0.3	4.0	0.0	172.3	3	
7	0	9226	7	47	0	-1	-0	171.5	0.3	4.0	0.0	171.9	3	
8	0	5678	5	20	0	-1	-0	105.5	0.2	1.7	0.0	105.8	1	
1A	55	-15076	-16	160	0	131	-9	280.2	40.4	13.5	0.0	320.6	1	
1B	55	-15076	18	160	0	131	10	280.2	40.9	13.5	0.0	321.1	1	
1C	55	-15076	-16	-235	0	-89	-9	280.2	29.6	19.9	0.0	309.8	1	
1D	55	-15076	18	-235	0	-89	10	280.2	30.1	19.9	0.0	310.4	1	
1E	55	10642	-16	160	0	131	-9	197.8	40.4	13.5	0.0	238.1	1	
1F	55	10642	18	160	0	131	10	197.8	40.9	13.5	0.0	238.7	1	
1G	55	10642	-16	-235	0	-89	-9	197.8	29.6	19.9	0.0	227.4	1	
1H	55	10642	18	-235	0	-89	10	197.8	30.1	19.9	0.0	227.9	1	
1I	55	-33375	-7	460	0	298	-4	620.4	79.3	39.0	0.0	699.7	1	
1J	55	-33375	8	460	0	298	4	620.4	79.9	39.0	0.0	700.3	1	
1K	55	-33375	-7	-536	0	-256	-4	620.4	68.6	45.4	0.0	688.9	1	
1L	55	-33375	8	-536	0	-256	4	620.4	69.1	45.4	0.0	689.5	1	
1M	55	28940	-7	460	0	298	-4	537.9	79.3	39.0	0.0	617.3	1	
1N	55	28940	8	460	0	298	4	537.9	79.9	39.0	0.0	617.8	1	
1O	55	28940	-7	-536	0	-256	-4	537.9	68.6	45.4	0.0	606.5	1	
1P	55	28940	8	-536	0	-256	4	537.9	69.1	45.4	0.0	607.0	1	
2	55	9278	7	48	0	-27	4	172.5	10.0	4.0	0.0	182.5	1	
7	55	9256	7	47	0	-27	4	172.1	9.9	4.0	0.0	182.0	1	
8	55	5708	5	20	0	-12	3	106.1	5.2	1.7	0.0	111.3	1	
1A	111	-15053	-16	160	0	261	-18	279.8	80.6	13.5	0.0	360.4	1	
1B	111	-15053	18	160	0	261	19	279.8	81.7	13.5	0.0	361.5	1	
1C	111	-15053	-16	-235	0	-177	-18	279.8	59.1	19.9	0.0	338.9	1	
1D	111	-15053	18	-235	0	-177	19	279.8	60.2	19.9	0.0	340.0	1	
1E	111	10665	-16	160	0	261	-18	198.2	80.6	13.5	0.0	278.8	1	
1F	111	10665	18	160	0	261	19	198.2	81.7	13.5	0.0	279.9	1	
1G	111	10665	-16	-235	0	-177	-18	198.2	59.1	19.9	0.0	257.3	1	
1H	111	10665	18	-235	0	-177	19	198.2	60.2	19.9	0.0	258.4	1	
1I	111	-33352	-7	460	0	594	-7	619.9	158.4	39.0	0.0	778.3	1	
1J	111	-33352	8	460	0	594	9	619.9	159.5	39.0	0.0	779.4	1	
1K	111	-33352	-7	-536	0	-511	-7	619.9	136.9	45.4	0.0	756.8	1	
1L	111	-33352	8	-536	0	-511	9	619.9	138.0	45.4	0.0	757.9	1	
1M	111	28964	-7	460	0	594	-7	538.4	158.4	39.0	0.0	696.8	1	
1N	111	28964	8	460	0	594	9	538.4	159.5	39.0	0.0	697.9	1	
1O	111	28964	-7	-536	0	-511	-7	538.4	136.9	45.4	0.0	675.3	1	
1P	111	28964	8	-536	0	-511	9	538.4	138.0	45.4	0.0	676.3	1	
2	111	9309	7	48	0	-54	8	173.0	19.8	4.0	0.0	192.8	1	
7	111	9287	7	47	0	-53	8	172.6	19.6	4.0	0.0	192.2	1	
8	111	5739	5	20	0	-23	6	106.7	10.3	1.7	0.0	116.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-15100	157	11	23	23	14	1.03	1.00	337.7	
1B	-15100	157	12	23	23	14	1.03	1.00	338.3	
1C	-15100	107	11	23	23	14	1.03	1.00	324.7	
1D	-15100	107	12	23	23	14	1.03	1.00	325.4	
1E	10665	157	11	23	23	14	1.00	1.00	246.6	
1F	10665	157	12	23	23	14	1.00	1.00	247.3	
1G	10665	107	11	23	23	14	1.00	1.00	233.7	
1H	10665	107	12	23	23	14	1.00	1.00	234.4	
1I	-33399	357	4	23	23	14	1.03	1.00	735.2	
1J	-33399	357	5	23	23	14	1.03	1.00	735.8	

1K	-33399	307	4	23	23	14	1.03	1.00	722.2
1L	-33399	307	5	23	23	14	1.03	1.00	722.8
1M	28964	357	4	23	23	14	1.00	1.00	633.5
1N	28964	357	5	23	23	14	1.00	1.00	634.2
1O	28964	307	4	23	23	14	1.00	1.00	620.6
1P	28964	307	5	23	23	14	1.00	1.00	621.3
2	9309	33	5	23	23	14	1.00	1.00	185.0
7	9287	32	5	23	23	14	1.00	1.00	184.5
8	5739	14	4	23	23	14	1.00	1.00	112.9

ASTA NUM. 72 NI 182 NF 200 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8897	-28	60	0	0	1	165.4	0.8	5.1	0.0	166.2	1	
1B	0	-8897	23	60	0	0	-2	165.4	1.5	5.1	0.0	166.8	1	
1C	0	-8897	-28	-81	0	-0	1	165.4	0.8	6.9	0.0	166.2	1	
1D	0	-8897	23	-81	0	-0	-2	165.4	1.4	6.9	0.0	166.8	1	
1E	0	6633	-28	60	0	0	1	123.3	0.8	5.1	0.0	124.1	1	
1F	0	6633	23	60	0	0	-2	123.3	1.5	5.1	0.0	124.8	1	
1G	0	6633	-28	-81	0	-0	1	123.3	0.8	6.9	0.0	124.1	1	
1H	0	6633	23	-81	0	-0	-2	123.3	1.4	6.9	0.0	124.7	1	
1I	0	-8251	-23	30	0	0	0	153.4	0.3	2.5	0.0	153.7	1	
1J	0	-8251	18	30	0	0	-1	153.4	1.0	2.5	0.0	154.3	1	
1K	0	-8251	-23	-50	0	-0	0	153.4	0.3	4.3	0.0	153.7	1	
1L	0	-8251	18	-50	0	-0	-1	153.4	1.0	4.3	0.0	154.3	1	
1M	0	5987	-23	30	0	0	0	111.3	0.3	2.5	0.0	111.6	1	
1N	0	5987	18	30	0	0	-1	111.3	1.0	2.5	0.0	112.3	1	
1O	0	5987	-23	-50	0	-0	0	111.3	0.3	4.3	0.0	111.6	1	
1P	0	5987	18	-50	0	-0	-1	111.3	1.0	4.3	0.0	112.2	1	
2	0	-12010	-26	-77	0	0	-1	223.2	0.7	6.5	0.0	224.0	1	
7	0	-10200	-22	-73	0	0	-1	189.6	0.7	6.2	0.0	190.3	1	
8	0	-10190	-23	-60	0	0	-1	189.4	0.6	5.0	0.0	190.0	1	
1A	55	-8874	-28	60	0	45	14	164.9	21.7	5.1	0.0	186.7	1	
1B	55	-8874	23	60	0	45	-17	164.9	24.4	5.1	0.0	189.3	1	
1C	55	-8874	-28	-81	0	-33	14	164.9	18.8	6.9	0.0	183.7	1	
1D	55	-8874	23	-81	0	-33	-17	164.9	21.4	6.9	0.0	186.4	1	
1E	55	6656	-28	60	0	45	14	123.7	21.7	5.1	0.0	145.4	1	
1F	55	6656	23	60	0	45	-17	123.7	24.4	5.1	0.0	148.1	1	
1G	55	6656	-28	-81	0	-33	14	123.7	18.8	6.9	0.0	142.5	1	
1H	55	6656	23	-81	0	-33	-17	123.7	21.4	6.9	0.0	145.2	1	
1I	55	-8228	-23	30	0	28	10	152.9	15.1	2.5	0.0	168.0	1	
1J	55	-8228	18	30	0	28	-14	152.9	17.7	2.5	0.0	170.6	1	
1K	55	-8228	-23	-50	0	-17	10	152.9	12.1	4.3	0.0	165.0	1	
1L	55	-8228	18	-50	0	-17	-14	152.9	14.8	4.3	0.0	167.7	1	
1M	55	6010	-23	30	0	28	10	111.7	15.1	2.5	0.0	126.8	1	
1N	55	6010	18	30	0	28	-14	111.7	17.7	2.5	0.0	129.4	1	
1O	55	6010	-23	-50	0	-17	10	111.7	12.1	4.3	0.0	123.8	1	
1P	55	6010	18	-50	0	-17	-14	111.7	14.8	4.3	0.0	126.5	1	
2	55	-11980	-26	-13	0	25	-15	222.7	18.0	1.1	0.0	240.6	1	
7	55	-10170	-22	-12	0	24	-13	189.0	15.8	1.0	0.0	204.8	1	
8	55	-10160	-23	-12	0	20	-14	188.8	15.3	1.1	0.0	204.1	1	
1A	111	-8851	-28	60	0	90	26	164.5	42.6	5.1	0.0	207.2	1	
1B	111	-8851	23	60	0	90	-32	164.5	47.3	5.1	0.0	211.8	1	
1C	111	-8851	-28	-81	0	-67	26	164.5	36.8	6.9	0.0	201.3	1	
1D	111	-8851	23	-81	0	-67	-32	164.5	41.4	6.9	0.0	205.9	1	
1E	111	6679	-28	60	0	90	26	124.1	42.6	5.1	0.0	166.8	1	
1F	111	6679	23	60	0	90	-32	124.1	47.3	5.1	0.0	171.4	1	
1G	111	6679	-28	-81	0	-67	26	124.1	36.8	6.9	0.0	160.9	1	
1H	111	6679	23	-81	0	-67	-32	124.1	41.4	6.9	0.0	165.6	1	
1I	111	-8205	-23	30	0	56	21	152.5	29.8	2.5	0.0	182.3	1	
1J	111	-8205	18	30	0	56	-27	152.5	34.4	2.5	0.0	186.9	1	
1K	111	-8205	-23	-50	0	-33	21	152.5	23.9	4.3	0.0	176.4	1	
1L	111	-8205	18	-50	0	-33	-27	152.5	28.6	4.3	0.0	181.1	1	
1M	111	6033	-23	30	0	56	21	112.1	29.8	2.5	0.0	141.9	1	
1N	111	6033	18	30	0	56	-27	112.1	34.4	2.5	0.0	146.6	1	
1O	111	6033	-23	-50	0	-33	21	112.1	23.9	4.3	0.0	136.0	1	
1P	111	6033	18	-50	0	-33	-27	112.1	28.6	4.3	0.0	140.7	1	
2	111	-11950	-26	50	0	15	-30	222.1	26.2	4.2	0.0	248.3	1	
7	111	-10140	-22	48	0	14	-25	188.5	22.2	4.1	0.0	210.7	1	
8	111	-10130	-23	35	0	14	-26	188.3	23.2	2.9	0.0	211.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8897	54	16	23	23	14	1.03	1.00	196.3	
1B	-8897	54	20	23	23	14	1.03	1.00	199.4	
1C	-8897	40	16	23	23	14	1.03	1.00	192.8	
1D	-8897	40	20	23	23	14	1.03	1.00	195.8	
1E	6679	54	16	23	23	14	1.00	1.00	150.1	
1F	6679	54	20	23	23	14	1.00	1.00	153.1	
1G	6679	40	16	23	23	14	1.00	1.00	146.5	
1H	6679	40	20	23	23	14	1.00	1.00	149.6	
1I	-8251	34	12	23	23	14	1.03	1.00	176.0	
1J	-8251	34	17	23	23	14	1.03	1.00	179.1	
1K	-8251	20	12	23	23	14	1.03	1.00	172.5	

1L	-8251	20	17	23	23	14	1.03	1.00	175.5
1M	6033	34	12	23	23	14	1.00	1.00	130.1
1N	6033	34	17	23	23	14	1.00	1.00	133.2
1O	6033	20	12	23	23	14	1.00	1.00	126.6
1P	6033	20	17	23	23	14	1.00	1.00	129.6
2	-12010	9	18	23	23	14	1.03	1.00	246.0
7	-10200	8	15	23	23	14	1.03	1.00	208.9
8	-10190	8	16	23	23	14	1.03	1.00	209.3

ASTA NUM. 73 NI 202 NF 220 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12558	-30	75	0	0	0	233.4	0.0	6.3	0.0	233.7	4	
1B	0	-12558	23	75	0	0	-0	233.4	0.0	6.3	0.0	233.7	4	
1C	0	-12558	-30	-99	0	-0	0	233.4	0.0	8.4	0.0	233.9	4	
1D	0	-12558	23	-99	0	-0	-0	233.4	0.0	8.4	0.0	233.9	4	
1E	0	6950	-30	75	0	0	0	129.2	0.0	6.3	0.0	129.6	4	
1F	0	6950	23	75	0	0	-0	129.2	0.0	6.3	0.0	129.6	4	
1G	0	6950	-30	-99	0	-0	0	129.2	0.0	8.4	0.0	130.0	4	
1H	0	6950	23	-99	0	-0	-0	129.2	0.0	8.4	0.0	130.0	4	
1I	0	-10765	-25	118	0	0	0	200.1	0.0	10.0	0.0	200.8	4	
1J	0	-10765	18	118	0	0	-0	200.1	0.0	10.0	0.0	200.8	4	
1K	0	-10765	-25	-142	0	-0	0	200.1	0.0	12.1	0.0	201.2	4	
1L	0	-10765	18	-142	0	-0	-0	200.1	0.0	12.1	0.0	201.2	4	
1M	0	5157	-25	118	0	0	0	95.9	0.0	10.0	0.0	97.4	4	
1N	0	5157	18	118	0	0	-0	95.9	0.0	10.0	0.0	97.4	4	
1O	0	5157	-25	-142	0	-0	0	95.9	0.0	12.1	0.0	98.1	4	
1P	0	5157	18	-142	0	-0	-0	95.9	0.0	12.1	0.0	98.1	4	
2	0	-20610	-29	-143	0	0	0	383.1	0.0	12.2	0.0	383.7	4	
7	0	-17880	-24	-146	0	0	0	332.3	0.0	12.4	0.0	333.0	4	
8	0	-16170	-25	-98	0	0	0	300.6	0.0	8.3	0.0	300.9	4	
1A	55	-12534	-30	75	0	-41	-17	233.0	23.2	6.3	0.0	256.2	1	
1B	55	-12534	23	75	0	-41	13	233.0	20.3	6.3	0.0	253.3	1	
1C	55	-12534	-30	-99	0	55	-17	233.0	26.7	8.4	0.0	259.6	1	
1D	55	-12534	23	-99	0	55	13	233.0	23.8	8.4	0.0	256.8	1	
1E	55	6973	-30	75	0	-41	-17	129.6	23.2	6.3	0.0	152.8	1	
1F	55	6973	23	75	0	-41	13	129.6	20.3	6.3	0.0	150.0	1	
1G	55	6973	-30	-99	0	55	-17	129.6	26.7	8.4	0.0	156.3	1	
1H	55	6973	23	-99	0	55	13	129.6	23.8	8.4	0.0	153.4	1	
1I	55	-10742	-25	118	0	-65	-14	199.7	27.2	10.0	0.0	226.9	1	
1J	55	-10742	18	118	0	-65	10	199.7	24.4	10.0	0.0	224.1	1	
1K	55	-10742	-25	-142	0	79	-14	199.7	30.7	12.1	0.0	230.4	1	
1L	55	-10742	18	-142	0	79	10	199.7	27.9	12.1	0.0	227.6	1	
1M	55	5181	-25	118	0	-65	-14	96.3	27.2	10.0	0.0	123.5	1	
1N	55	5181	18	118	0	-65	10	96.3	24.4	10.0	0.0	120.7	1	
1O	55	5181	-25	-142	0	79	-14	96.3	30.7	12.1	0.0	127.0	1	
1P	55	5181	18	-142	0	79	10	96.3	27.9	12.1	0.0	124.2	1	
2	55	-20580	-29	19	0	34	-16	382.5	20.8	1.6	0.0	403.3	1	
7	55	-17850	-24	16	0	36	-13	331.8	19.3	1.4	0.0	351.1	1	
8	55	-16140	-25	16	0	23	-14	300.0	16.4	1.3	0.0	316.4	1	
1A	111	-12511	-30	75	0	-83	-33	232.5	46.3	6.3	0.0	278.9	1	
1B	111	-12511	23	75	0	-83	26	232.5	40.7	6.3	0.0	273.2	1	
1C	111	-12511	-30	-99	0	110	-33	232.5	53.3	8.4	0.0	285.9	1	
1D	111	-12511	23	-99	0	110	26	232.5	47.7	8.4	0.0	280.2	1	
1E	111	6997	-30	75	0	-83	-33	130.1	46.3	6.3	0.0	176.4	1	
1F	111	6997	23	75	0	-83	26	130.1	40.7	6.3	0.0	170.7	1	
1G	111	6997	-30	-99	0	110	-33	130.1	53.3	8.4	0.0	183.4	1	
1H	111	6997	23	-99	0	110	26	130.1	47.7	8.4	0.0	177.7	1	
1I	111	-10718	-25	118	0	-130	-28	199.2	54.5	10.0	0.0	253.7	1	
1J	111	-10718	18	118	0	-130	20	199.2	48.8	10.0	0.0	248.0	1	
1K	111	-10718	-25	-142	0	157	-28	199.2	61.5	12.1	0.0	260.7	1	
1L	111	-10718	18	-142	0	157	20	199.2	55.8	12.1	0.0	255.0	1	
1M	111	5204	-25	118	0	-130	-28	96.7	54.5	10.0	0.0	151.2	1	
1N	111	5204	18	118	0	-130	20	96.7	48.8	10.0	0.0	145.6	1	
1O	111	5204	-25	-142	0	157	-28	96.7	61.5	12.1	0.0	158.2	1	
1P	111	5204	18	-142	0	157	20	96.7	55.8	12.1	0.0	152.5	1	
2	111	-20550	-29	182	0	-21	-32	382.0	29.3	15.4	0.0	411.2	1	
7	111	-17820	-24	178	0	-18	-27	331.2	24.6	15.1	0.0	355.8	1	
8	111	-16110	-25	129	0	-17	-28	299.4	25.5	11.0	0.0	324.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12558	50	20	23	23	14	1.03	1.00	268.3	
1B	-12558	50	16	23	23	14	1.03	1.00	264.9	
1C	-12558	66	20	23	23	14	1.03	1.00	272.5	
1D	-12558	66	16	23	23	14	1.03	1.00	269.1	
1E	6997	50	20	23	23	14	1.00	1.00	157.9	
1F	6997	50	16	23	23	14	1.00	1.00	154.5	
1G	6997	66	20	23	23	14	1.00	1.00	162.0	
1H	6997	66	16	23	23	14	1.00	1.00	158.6	
1I	-10765	78	17	23	23	14	1.03	1.00	238.9	
1J	-10765	78	12	23	23	14	1.03	1.00	235.5	
1K	-10765	94	17	23	23	14	1.03	1.00	243.1	
1L	-10765	94	12	23	23	14	1.03	1.00	239.7	

1M	5204	78	17	23	23	14	1.00	1.00	129.4
1N	5204	78	12	23	23	14	1.00	1.00	126.0
1O	5204	94	17	23	23	14	1.00	1.00	133.6
1P	5204	94	12	23	23	14	1.00	1.00	130.2
2	-20610	13	19	23	23	14	1.03	1.00	412.3
7	-17880	11	16	23	23	14	1.03	1.00	357.2
8	-16170	10	17	23	23	14	1.03	1.00	325.0

ASTA NUM. 74 NI 242 NF 260 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14208	-23	116	0	0	0	264.1	0.0	9.8	0.0	264.6	4	
1B	0	-14208	29	116	0	0	-0	264.1	0.0	9.8	0.0	264.6	4	
1C	0	-14208	-23	-152	0	-0	0	264.1	0.0	12.9	0.0	265.0	4	
1D	0	-14208	29	-152	0	-0	-0	264.1	0.0	12.9	0.0	265.0	4	
1E	0	6044	-23	116	0	0	0	112.3	0.0	9.8	0.0	113.6	4	
1F	0	6044	29	116	0	0	-0	112.3	0.0	9.8	0.0	113.6	4	
1G	0	6044	-23	-152	0	-0	0	112.3	0.0	12.9	0.0	114.6	4	
1H	0	6044	29	-152	0	-0	-0	112.3	0.0	12.9	0.0	114.6	4	
1I	0	-24519	-30	213	0	0	0	455.7	0.0	18.1	0.0	456.8	4	
1J	0	-24519	36	213	0	0	-0	455.7	0.0	18.1	0.0	456.8	4	
1K	0	-24519	-30	-250	0	-0	0	455.7	0.0	21.2	0.0	457.2	4	
1L	0	-24519	36	-250	0	-0	-0	455.7	0.0	21.2	0.0	457.2	4	
1M	0	16355	-30	213	0	0	0	304.0	0.0	18.1	0.0	305.6	4	
1N	0	16355	36	213	0	0	-0	304.0	0.0	18.1	0.0	305.6	4	
1O	0	16355	-30	-250	0	-0	0	304.0	0.0	21.2	0.0	306.2	4	
1P	0	16355	36	-250	0	-0	-0	304.0	0.0	21.2	0.0	306.2	4	
2	0	-31320	16	-206	0	0	0	582.2	0.0	17.5	0.0	582.9	4	
7	0	-27820	15	-202	0	0	0	517.1	0.0	17.1	0.0	518.0	4	
8	0	-23850	13	-147	0	0	0	443.3	0.0	12.4	0.0	443.8	4	
1A	55	-14185	-23	116	0	-64	-13	263.7	26.1	9.8	0.0	289.8	1	
1B	55	-14185	29	116	0	-64	16	263.7	28.6	9.8	0.0	292.2	1	
1C	55	-14185	-23	-152	0	84	-13	263.7	31.4	12.9	0.0	295.1	1	
1D	55	-14185	29	-152	0	84	16	263.7	33.8	12.9	0.0	297.5	1	
1E	55	6067	-23	116	0	-64	-13	112.8	26.1	9.8	0.0	138.9	1	
1F	55	6067	29	116	0	-64	16	112.8	28.6	9.8	0.0	141.3	1	
1G	55	6067	-23	-152	0	84	-13	112.8	31.4	12.9	0.0	144.2	1	
1H	55	6067	29	-152	0	84	16	112.8	33.8	12.9	0.0	146.6	1	
1I	55	-24496	-30	213	0	-118	-17	455.3	42.9	18.1	0.0	498.2	1	
1J	55	-24496	36	213	0	-118	20	455.3	45.3	18.1	0.0	500.6	1	
1K	55	-24496	-30	-250	0	138	-17	455.3	48.1	21.2	0.0	503.5	1	
1L	55	-24496	36	-250	0	138	20	455.3	50.6	21.2	0.0	505.9	1	
1M	55	16378	-30	213	0	-118	-17	304.4	42.9	18.1	0.0	347.3	1	
1N	55	16378	36	213	0	-118	20	304.4	45.3	18.1	0.0	349.7	1	
1O	55	16378	-30	-250	0	138	-17	304.4	48.1	21.2	0.0	352.6	1	
1P	55	16378	36	-250	0	138	20	304.4	50.6	21.2	0.0	355.0	1	
2	55	-31290	16	10	0	54	9	581.6	20.7	0.9	0.0	602.3	1	
7	55	-27790	15	14	0	52	9	516.5	19.8	1.2	0.0	536.3	1	
8	55	-23820	13	5	0	39	7	442.8	15.3	0.5	0.0	458.1	1	
1A	111	-14162	-23	116	0	-128	-26	263.2	52.3	9.8	0.0	315.5	1	
1B	111	-14162	29	116	0	-128	32	263.2	57.1	9.8	0.0	320.4	1	
1C	111	-14162	-23	-152	0	169	-26	263.2	62.8	12.9	0.0	326.0	1	
1D	111	-14162	29	-152	0	169	32	263.2	67.6	12.9	0.0	330.8	1	
1E	111	6090	-23	116	0	-128	-26	113.2	52.3	9.8	0.0	165.5	1	
1F	111	6090	29	116	0	-128	32	113.2	57.1	9.8	0.0	170.3	1	
1G	111	6090	-23	-152	0	169	-26	113.2	62.8	12.9	0.0	176.0	1	
1H	111	6090	29	-152	0	169	32	113.2	67.6	12.9	0.0	180.8	1	
1I	111	-24473	-30	213	0	-236	-34	454.9	85.8	18.1	0.0	540.7	1	
1J	111	-24473	36	213	0	-236	40	454.9	90.6	18.1	0.0	545.5	1	
1K	111	-24473	-30	-250	0	276	-34	454.9	96.3	21.2	0.0	551.2	1	
1L	111	-24473	36	-250	0	276	40	454.9	101.1	21.2	0.0	556.0	1	
1M	111	16401	-30	213	0	-236	-34	304.9	85.8	18.1	0.0	390.6	1	
1N	111	16401	36	213	0	-236	40	304.9	90.6	18.1	0.0	395.5	1	
1O	111	16401	-30	-250	0	276	-34	304.9	96.3	21.2	0.0	401.1	1	
1P	111	16401	36	-250	0	276	40	304.9	101.1	21.2	0.0	406.0	1	
2	111	-31260	16	227	0	-11	18	581.0	16.4	19.2	0.0	597.4	1	
7	111	-27760	15	231	0	-16	17	516.0	16.9	19.6	0.0	532.9	1	
8	111	-23790	13	157	0	-5	14	442.2	11.9	13.3	0.0	454.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14208	77	16	23	23	14	1.03	1.00	303.5	
1B	-14208	77	19	23	23	14	1.03	1.00	306.4	
1C	-14208	101	16	23	23	14	1.03	1.00	309.8	
1D	-14208	101	19	23	23	14	1.03	1.00	312.7	
1E	6090	77	16	23	23	14	1.00	1.00	144.6	
1F	6090	77	19	23	23	14	1.00	1.00	147.5	
1G	6090	101	16	23	23	14	1.00	1.00	150.9	
1H	6090	101	19	23	23	14	1.00	1.00	153.8	
1I	-24519	141	20	23	23	14	1.03	1.00	521.2	
1J	-24519	141	24	23	23	14	1.03	1.00	524.2	
1K	-24519	166	20	23	23	14	1.03	1.00	527.5	
1L	-24519	166	24	23	23	14	1.03	1.00	530.5	
1M	16401	141	20	23	23	14	1.00	1.00	356.3	

1N	16401	141	24	23	23	14	1.00	1.00	359.2
1O	16401	166	20	23	23	14	1.00	1.00	362.6
1P	16401	166	24	23	23	14	1.00	1.00	365.5
2	-31320	7	11	23	23	14	1.03	1.00	609.6
7	-27820	10	10	23	23	14	1.03	1.00	542.9
8	-23850	3	8	23	23	14	1.03	1.00	463.8

ASTA NUM. 75 NI 282 NF 300 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17029	-28	124	0	1	3	316.5	2.3	10.5	0.0	318.8	1	
1B	0	-17029	31	124	0	1	0	316.5	0.6	10.5	0.0	317.2	3	
1C	0	-17029	-28	-177	0	-1	3	316.5	2.2	15.0	0.0	318.7	1	
1D	0	-17029	31	-177	0	-1	0	316.5	0.5	15.0	0.0	317.6	3	
1E	0	12149	-28	124	0	1	3	225.8	2.3	10.5	0.0	228.1	1	
1F	0	12149	31	124	0	1	0	225.8	0.6	10.5	0.0	226.7	3	
1G	0	12149	-28	-177	0	-1	3	225.8	2.2	15.0	0.0	228.0	1	
1H	0	12149	31	-177	0	-1	0	225.8	0.5	15.0	0.0	227.3	4	
1I	0	-32579	-32	356	0	1	2	605.6	1.9	30.2	0.0	607.9	4	
1J	0	-32579	36	356	0	1	1	605.6	0.8	30.2	0.0	607.8	4	
1K	0	-32579	-32	-410	0	-1	2	605.6	1.8	34.8	0.0	608.6	4	
1L	0	-32579	36	-410	0	-1	1	605.6	0.7	34.8	0.0	608.6	4	
1M	0	27699	-32	356	0	1	2	514.8	1.9	30.2	0.0	517.6	4	
1N	0	27699	36	356	0	1	1	514.8	0.8	30.2	0.0	517.5	4	
1O	0	27699	-32	-410	0	-1	2	514.8	1.8	34.8	0.0	518.4	4	
1P	0	27699	36	-410	0	-1	1	514.8	0.7	34.8	0.0	518.4	4	
2	0	-22690	14	-184	0	1	2	421.7	1.6	15.6	0.0	423.3	1	
7	0	-21530	13	-180	0	1	2	400.2	1.5	15.2	0.0	401.7	1	
8	0	-17090	10	-136	0	1	2	317.7	1.5	11.6	0.0	319.2	1	
1A	55	-17006	-28	124	0	99	20	316.1	40.1	10.5	0.0	356.2	1	
1B	55	-17006	31	124	0	99	-15	316.1	36.6	10.5	0.0	352.7	1	
1C	55	-17006	-28	-177	0	-69	20	316.1	32.4	15.0	0.0	348.5	1	
1D	55	-17006	31	-177	0	-69	-15	316.1	28.9	15.0	0.0	345.0	1	
1E	55	12172	-28	124	0	99	20	226.3	40.1	10.5	0.0	266.4	1	
1F	55	12172	31	124	0	99	-15	226.3	36.6	10.5	0.0	262.8	1	
1G	55	12172	-28	-177	0	-69	20	226.3	32.4	15.0	0.0	258.7	1	
1H	55	12172	31	-177	0	-69	-15	226.3	28.9	15.0	0.0	255.2	1	
1I	55	-32555	-32	356	0	-197	-16	605.1	62.6	30.2	0.0	667.7	1	
1J	55	-32555	36	356	0	-197	21	605.1	66.2	30.2	0.0	671.3	1	
1K	55	-32555	-32	-410	0	227	-16	605.1	70.3	34.8	0.0	675.4	1	
1L	55	-32555	36	-410	0	227	21	605.1	73.8	34.8	0.0	679.0	1	
1M	55	27722	-32	356	0	-197	-16	515.3	62.6	30.2	0.0	577.9	1	
1N	55	27722	36	356	0	-197	21	515.3	66.2	30.2	0.0	581.4	1	
1O	55	27722	-32	-410	0	227	-16	515.3	70.3	34.8	0.0	585.6	1	
1P	55	27722	36	-410	0	227	21	515.3	73.8	34.8	0.0	589.1	1	
2	55	-22655	14	32	0	43	9	421.1	18.0	2.8	0.0	439.1	1	
7	55	-21500	13	37	0	40	9	399.6	17.0	3.1	0.0	416.6	1	
8	55	-17060	10	15	0	34	8	317.1	14.5	1.3	0.0	331.6	1	
1A	111	-16982	-28	124	0	197	37	315.7	78.0	10.5	0.0	393.6	1	
1B	111	-16982	31	124	0	197	-30	315.7	73.1	10.5	0.0	388.7	1	
1C	111	-16982	-28	-177	0	-137	37	315.7	62.7	15.0	0.0	378.3	1	
1D	111	-16982	31	-177	0	-137	-30	315.7	57.8	15.0	0.0	373.5	1	
1E	111	12196	-28	124	0	197	37	226.7	78.0	10.5	0.0	304.7	1	
1F	111	12196	31	124	0	197	-30	226.7	73.1	10.5	0.0	299.8	1	
1G	111	12196	-28	-177	0	-137	37	226.7	62.7	15.0	0.0	289.4	1	
1H	111	12196	31	-177	0	-137	-30	226.7	57.8	15.0	0.0	284.5	1	
1I	111	-32532	-32	356	0	-394	-34	604.7	127.1	30.2	0.0	731.8	1	
1J	111	-32532	36	356	0	-394	41	604.7	132.0	30.2	0.0	736.7	1	
1K	111	-32532	-32	-410	0	454	-34	604.7	142.4	34.8	0.0	747.1	1	
1L	111	-32532	36	-410	0	454	41	604.7	147.3	34.8	0.0	751.9	1	
1M	111	27746	-32	356	0	-394	-34	515.7	127.1	30.2	0.0	642.8	1	
1N	111	27746	36	356	0	-394	41	515.7	132.0	30.2	0.0	647.7	1	
1O	111	27746	-32	-410	0	454	-34	515.7	142.4	34.8	0.0	658.1	1	
1P	111	27746	36	-410	0	454	41	515.7	147.3	34.8	0.0	663.0	1	
2	111	-22620	14	249	0	-35	17	420.4	21.8	21.1	0.0	442.2	1	
7	111	-21470	13	254	0	-40	16	399.1	22.4	21.5	0.0	421.5	1	
8	111	-17030	10	167	0	-16	13	316.5	14.1	14.1	0.0	330.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17029	118	23	23	23	14	1.03	1.00	373.9	
1B	-17029	118	18	23	23	14	1.03	1.00	370.1	
1C	-17029	83	23	23	23	14	1.03	1.00	364.7	
1D	-17029	83	18	23	23	14	1.03	1.00	360.9	
1E	12196	118	23	23	23	14	1.00	1.00	274.4	
1F	12196	118	18	23	23	14	1.00	1.00	270.6	
1G	12196	83	23	23	23	14	1.00	1.00	265.2	
1H	12196	83	18	23	23	14	1.00	1.00	261.4	
1I	-32579	236	20	23	23	14	1.03	1.00	699.8	
1J	-32579	236	25	23	23	14	1.03	1.00	703.7	
1K	-32579	272	20	23	23	14	1.03	1.00	709.1	
1L	-32579	272	25	23	23	14	1.03	1.00	712.9	
1M	27746	236	20	23	23	14	1.00	1.00	591.2	
1N	27746	236	25	23	23	14	1.00	1.00	595.0	

1O	27746	272	20	23	23	14	1.00	1.00	600.4
1P	27746	272	25	23	23	14	1.00	1.00	604.2
2	-22690	21	11	23	23	14	1.03	1.00	448.0
7	-21530	24	10	23	23	14	1.03	1.00	426.2
8	-17090	10	9	23	23	14	1.03	1.00	336.2

ASTA NUM. 76 NI 322 NF 340 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-24610	-81	168	0	0	0	457.4	0.0	14.2	0.0	458.1	4	
1B	0	-24610	80	168	0	0	-0	457.4	0.0	14.2	0.0	458.1	4	
1C	0	-24610	-81	-246	0	-0	0	457.4	0.0	20.9	0.0	458.9	4	
1D	0	-24610	80	-246	0	-0	-0	457.4	0.0	20.9	0.0	458.9	4	
1E	0	22840	-81	168	0	0	0	424.5	0.0	14.2	0.0	425.3	4	
1F	0	22840	80	168	0	0	-0	424.5	0.0	14.2	0.0	425.3	4	
1G	0	22840	-81	-246	0	-0	0	424.5	0.0	20.9	0.0	426.1	4	
1H	0	22840	80	-246	0	-0	-0	424.5	0.0	20.9	0.0	426.1	4	
1I	0	-42264	-52	482	0	0	0	785.6	0.0	40.9	0.0	788.8	4	
1J	0	-42264	51	482	0	0	-0	785.6	0.0	40.9	0.0	788.8	4	
1K	0	-42264	-52	-561	0	-0	0	785.6	0.0	47.5	0.0	789.9	4	
1L	0	-42264	51	-561	0	-0	-0	785.6	0.0	47.5	0.0	789.9	4	
1M	0	40494	-52	482	0	0	0	752.7	0.0	40.9	0.0	756.0	4	
1N	0	40494	51	482	0	0	-0	752.7	0.0	40.9	0.0	756.0	4	
1O	0	40494	-52	-561	0	-0	0	752.7	0.0	47.5	0.0	757.2	4	
1P	0	40494	51	-561	0	-0	-0	752.7	0.0	47.5	0.0	757.2	4	
2	0	-18270	11	-72	0	0	0	339.6	0.0	6.1	0.0	339.8	4	
7	0	-18280	11	-72	0	0	0	339.8	0.0	6.1	0.0	339.9	4	
8	0	-13210	7	-64	0	0	0	245.5	0.0	5.4	0.0	245.7	4	
1A	55	-24586	-81	168	0	-93	-45	457.0	57.5	14.2	0.0	514.5	1	
1B	55	-24586	80	168	0	-93	44	457.0	56.9	14.2	0.0	513.9	1	
1C	55	-24586	-81	-246	0	136	-45	457.0	68.6	20.9	0.0	525.6	1	
1D	55	-24586	80	-246	0	136	44	457.0	68.0	20.9	0.0	525.0	1	
1E	55	22864	-81	168	0	-93	-45	425.0	57.5	14.2	0.0	482.5	1	
1F	55	22864	80	168	0	-93	44	425.0	56.9	14.2	0.0	481.8	1	
1G	55	22864	-81	-246	0	136	-45	425.0	68.6	20.9	0.0	493.6	1	
1H	55	22864	80	-246	0	136	44	425.0	68.0	20.9	0.0	493.0	1	
1I	55	-42240	-52	482	0	-267	-29	785.1	90.3	40.9	0.0	875.4	1	
1J	55	-42240	51	482	0	-267	28	785.1	89.6	40.9	0.0	874.8	1	
1K	55	-42240	-52	-561	0	310	-29	785.1	101.4	47.5	0.0	886.6	1	
1L	55	-42240	51	-561	0	310	28	785.1	100.8	47.5	0.0	885.9	1	
1M	55	40518	-52	482	0	-267	-29	753.1	90.3	40.9	0.0	843.4	1	
1N	55	40518	51	482	0	-267	28	753.1	89.6	40.9	0.0	842.8	1	
1O	55	40518	-52	-561	0	310	-29	753.1	101.4	47.5	0.0	854.5	1	
1P	55	40518	51	-561	0	310	28	753.1	100.8	47.5	0.0	853.9	1	
2	55	-18240	11	91	0	-5	6	339.0	5.9	7.7	0.0	344.9	1	
7	55	-18250	11	90	0	-5	6	339.2	5.9	7.6	0.0	345.1	1	
8	55	-13180	7	50	0	4	4	245.0	4.1	4.2	0.0	249.1	1	
1A	111	-24563	-81	168	0	-186	-90	456.6	115.1	14.2	0.0	571.6	1	
1B	111	-24563	80	168	0	-186	88	456.6	113.7	14.2	0.0	570.3	1	
1C	111	-24563	-81	-246	0	272	-90	456.6	137.3	20.9	0.0	593.9	1	
1D	111	-24563	80	-246	0	272	88	456.6	136.0	20.9	0.0	592.5	1	
1E	111	22887	-81	168	0	-186	-90	425.4	115.1	14.2	0.0	540.5	1	
1F	111	22887	80	168	0	-186	88	425.4	113.7	14.2	0.0	539.1	1	
1G	111	22887	-81	-246	0	272	-90	425.4	137.3	20.9	0.0	562.7	1	
1H	111	22887	80	-246	0	272	88	425.4	136.0	20.9	0.0	561.4	1	
1I	111	-42217	-52	482	0	-534	-58	784.7	180.6	40.9	0.0	965.3	1	
1J	111	-42217	51	482	0	-534	56	784.7	179.3	40.9	0.0	964.0	1	
1K	111	-42217	-52	-561	0	620	-58	784.7	202.9	47.5	0.0	987.6	1	
1L	111	-42217	51	-561	0	620	56	784.7	201.5	47.5	0.0	986.2	1	
1M	111	40541	-52	482	0	-534	-58	753.6	180.6	40.9	0.0	934.2	1	
1N	111	40541	51	482	0	-534	56	753.6	179.3	40.9	0.0	932.8	1	
1O	111	40541	-52	-561	0	620	-58	753.6	202.9	47.5	0.0	956.4	1	
1P	111	40541	51	-561	0	620	56	753.6	201.5	47.5	0.0	955.1	1	
2	111	-18210	11	253	0	-100	12	338.5	35.0	21.5	0.0	373.4	1	
7	111	-18220	11	253	0	-100	12	338.7	34.9	21.4	0.0	373.5	1	
8	111	-13150	7	163	0	-55	8	244.4	20.3	13.8	0.0	264.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-24610	112	54	23	23	14	1.03	1.00	540.8	
1B	-24610	112	53	23	23	14	1.03	1.00	540.0	
1C	-24610	163	54	23	23	14	1.03	1.00	554.2	
1D	-24610	163	53	23	23	14	1.03	1.00	553.4	
1E	22887	112	54	23	23	14	1.00	1.00	494.4	
1F	22887	112	53	23	23	14	1.00	1.00	493.7	
1G	22887	163	54	23	23	14	1.00	1.00	507.8	
1H	22887	163	53	23	23	14	1.00	1.00	507.0	
1I	-42264	320	35	23	23	14	1.03	1.00	918.7	
1J	-42264	320	34	23	23	14	1.03	1.00	917.8	
1K	-42264	372	35	23	23	14	1.03	1.00	932.1	
1L	-42264	372	34	23	23	14	1.03	1.00	931.3	
1M	40541	320	35	23	23	14	1.00	1.00	861.9	
1N	40541	320	34	23	23	14	1.00	1.00	861.1	
1O	40541	372	35	23	23	14	1.00	1.00	875.3	

1P	40541	372	34	23	23	14	1.00	1.00	874.5
2	-18270	60	7	23	23	14	1.03	1.00	370.8
7	-18280	60	7	23	23	14	1.03	1.00	371.0
8	-13210	33	5	23	23	14	1.03	1.00	265.1

ASTA NUM. 77 NI 184 NF 183 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-394	-242	303	0	65	81	7.3	69.1	20.6	0.0	76.4	1	
1B	0	-394	268	303	0	65	-49	7.3	60.9	22.7	0.0	68.2	1	
1C	0	-394	-242	-305	0	-66	81	7.3	70.0	20.6	0.0	77.3	1	
1D	0	-394	268	-305	0	-66	-49	7.3	61.8	22.7	0.0	69.1	1	
1E	0	559	-242	303	0	65	81	10.4	69.1	20.6	0.0	79.4	1	
1F	0	559	268	303	0	65	-49	10.4	60.9	22.7	0.0	71.2	1	
1G	0	559	-242	-305	0	-66	81	10.4	70.0	20.6	0.0	80.4	1	
1H	0	559	268	-305	0	-66	-49	10.4	61.8	22.7	0.0	72.2	1	
1I	0	-564	-453	270	0	51	157	10.5	78.4	38.4	0.0	88.9	1	
1J	0	-564	479	270	0	51	-125	10.5	70.2	40.6	0.0	80.7	1	
1K	0	-564	-453	-271	0	-52	157	10.5	79.4	38.4	0.0	89.9	1	
1L	0	-564	479	-271	0	-52	-125	10.5	71.2	40.6	0.0	81.7	1	
1M	0	729	-453	270	0	51	157	13.6	78.4	38.4	0.0	92.0	1	
1N	0	729	479	270	0	51	-125	13.6	70.2	40.6	0.0	83.8	1	
1O	0	729	-453	-271	0	-52	157	13.6	79.4	38.4	0.0	92.9	1	
1P	0	729	479	-271	0	-52	-125	13.6	71.2	40.6	0.0	84.7	1	
2	0	1018	427	-57	0	-12	-7	18.9	11.0	36.2	0.0	65.5	4	
7	0	879	357	-63	0	-13	-0	16.3	9.6	30.3	0.0	55.1	4	
8	0	815	364	-37	0	-8	-16	15.1	10.3	30.9	0.0	55.7	4	
1A	25	-394	-253	303	0	-11	9	7.3	10.9	21.5	0.0	39.5	3	
1B	25	-394	258	303	0	-11	26	7.3	15.2	21.8	0.0	41.2	3	
1C	25	-394	-253	-305	0	10	9	7.3	10.1	21.5	0.0	39.6	3	
1D	25	-394	258	-305	0	10	26	7.3	14.5	21.8	0.0	41.2	3	
1E	25	559	-253	303	0	-11	9	10.4	10.9	21.5	0.0	40.4	3	
1F	25	559	258	303	0	-11	26	10.4	15.2	21.8	0.0	42.3	3	
1G	25	559	-253	-305	0	10	9	10.4	10.1	21.5	0.0	40.4	3	
1H	25	559	258	-305	0	10	26	10.4	14.5	21.8	0.0	42.3	3	
1I	25	-564	-464	270	0	-17	38	10.5	22.3	39.3	0.0	69.0	4	
1J	25	-564	468	270	0	-17	-3	10.5	13.1	39.7	0.0	69.6	4	
1K	25	-564	-464	-271	0	16	38	10.5	21.6	39.3	0.0	69.0	4	
1L	25	-564	468	-271	0	16	-3	10.5	12.4	39.7	0.0	69.6	4	
1M	25	729	-464	270	0	-17	38	13.6	22.3	39.3	0.0	69.5	4	
1N	25	729	468	270	0	-17	-3	13.6	13.1	39.7	0.0	70.2	4	
1O	25	729	-464	-271	0	16	38	13.6	21.6	39.3	0.0	69.5	4	
1P	25	729	468	-271	0	16	-3	13.6	12.4	39.7	0.0	70.2	4	
2	25	1018	413	-57	0	2	98	18.9	26.7	35.0	0.0	67.9	3	
7	25	879	344	-63	0	3	87	16.3	24.7	29.1	0.0	57.8	3	
8	25	815	351	-37	0	1	73	15.1	19.6	29.7	0.0	55.7	3	
1A	50	-394	-264	303	0	-87	-64	7.3	81.8	22.3	0.0	89.1	1	
1B	50	-394	247	303	0	-87	99	7.3	90.6	20.9	0.0	97.9	1	
1C	50	-394	-264	-305	0	86	-64	7.3	81.3	22.3	0.0	88.6	1	
1D	50	-394	247	-305	0	86	99	7.3	90.1	20.9	0.0	97.4	1	
1E	50	559	-264	303	0	-87	-64	10.4	81.8	22.3	0.0	92.2	1	
1F	50	559	247	303	0	-87	99	10.4	90.6	20.9	0.0	101.0	1	
1G	50	559	-264	-305	0	86	-64	10.4	81.3	22.3	0.0	91.7	1	
1H	50	559	247	-305	0	86	99	10.4	90.1	20.9	0.0	100.5	1	
1I	50	-564	-474	270	0	-84	-82	10.5	84.2	40.2	0.0	94.7	1	
1J	50	-564	458	270	0	-84	117	10.5	93.0	38.8	0.0	103.5	1	
1K	50	-564	-474	-271	0	83	-82	10.5	83.7	40.2	0.0	94.2	1	
1L	50	-564	458	-271	0	83	117	10.5	92.5	38.8	0.0	103.0	1	
1M	50	729	-474	270	0	-84	-82	13.6	84.2	40.2	0.0	97.7	1	
1N	50	729	458	270	0	-84	117	13.6	93.0	38.8	0.0	106.5	1	
1O	50	729	-474	-271	0	83	-82	13.6	83.7	40.2	0.0	97.2	1	
1P	50	729	458	-271	0	83	117	13.6	92.5	38.8	0.0	106.0	1	
2	50	1018	399	-57	0	16	200	18.9	63.5	33.8	0.0	83.4	3	
7	50	879	330	-63	0	19	172	16.3	58.1	28.0	0.0	74.4	1	
8	50	815	337	-37	0	10	159	15.1	48.6	28.6	0.0	68.0	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-394	35	32	11	7	11	1.00	1.00	41.7	
1B	-394	35	40	11	7	11	1.00	1.00	43.6	
1C	-394	35	32	11	7	11	1.00	1.00	41.5	
1D	-394	35	40	11	7	11	1.00	1.00	43.4	
1E	559	35	32	11	7	11	1.00	1.00	44.8	
1F	559	35	40	11	7	11	1.00	1.00	46.7	
1G	559	35	32	11	7	11	1.00	1.00	44.6	
1H	559	35	40	11	7	11	1.00	1.00	46.5	
1I	-564	34	63	11	7	11	1.00	1.00	51.8	
1J	-564	34	50	11	7	11	1.00	1.00	48.5	
1K	-564	33	63	11	7	11	1.00	1.00	51.6	
1L	-564	33	50	11	7	11	1.00	1.00	48.3	
1M	729	34	63	11	7	11	1.00	1.00	54.9	

1N	729	34	50	11	7	11	1.00	1.00	51.6
1O	729	33	63	11	7	11	1.00	1.00	54.7
1P	729	33	50	11	7	11	1.00	1.00	51.4
2	1018	7	117	11	7	11	1.00	1.00	53.9
7	879	7	103	11	7	11	1.00	1.00	48.4
8	815	4	89	11	7	11	1.00	1.00	41.1

ASTA NUM. 78 NI 204 NF 203 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	437	660	389	0	29	-265	8.1	90.3	56.0	0.0	113.5	3	
1B	0	437	1316	389	0	29	-506	8.1	152.3	111.6	0.0	213.6	3	
1C	0	437	660	-396	0	-30	-265	8.1	91.1	56.0	0.0	113.6	3	
1D	0	437	1316	-396	0	-30	-506	8.1	153.1	111.6	0.0	213.6	3	
1E	0	1179	660	389	0	29	-265	21.9	90.3	56.0	0.0	122.5	3	
1F	0	1179	1316	389	0	29	-506	21.9	152.3	111.6	0.0	221.9	3	
1G	0	1179	660	-396	0	-30	-265	21.9	91.1	56.0	0.0	122.6	3	
1H	0	1179	1316	-396	0	-30	-506	21.9	153.1	111.6	0.0	222.0	3	
1I	0	624	559	359	0	23	-163	11.6	58.9	47.4	0.0	91.0	3	
1J	0	624	1417	359	0	23	-609	11.6	173.5	120.2	0.0	240.1	3	
1K	0	624	559	-366	0	-24	-163	11.6	59.6	47.4	0.0	91.2	3	
1L	0	624	1417	-366	0	-24	-609	11.6	174.3	120.2	0.0	240.1	3	
1M	0	992	559	359	0	23	-163	18.4	58.9	47.4	0.0	94.9	3	
1N	0	992	1417	359	0	23	-609	18.4	173.5	120.2	0.0	244.5	3	
1O	0	992	559	-366	0	-24	-163	18.4	59.6	47.4	0.0	95.1	3	
1P	0	992	1417	-366	0	-24	-609	18.4	174.3	120.2	0.0	244.5	3	
2	0	4362	4996	-89	0	-6	-1906	81.1	495.2	423.6	0.0	831.7	3	
7	0	3498	3948	-95	0	-6	-1493	65.0	389.0	334.8	0.0	656.0	3	
8	0	3406	3918	-59	0	-4	-1496	63.3	388.2	332.2	0.0	652.3	3	
1A	25	437	649	389	0	-68	-123	8.1	82.5	55.1	0.0	96.0	3	
1B	25	437	1306	389	0	-68	-157	8.1	91.1	110.7	0.0	192.0	4	
1C	25	437	649	-396	0	69	-123	8.1	83.1	55.1	0.0	96.1	3	
1D	25	437	1306	-396	0	69	-157	8.1	91.6	110.7	0.0	192.0	4	
1E	25	1179	649	389	0	-68	-123	21.9	82.5	55.1	0.0	104.4	1	
1F	25	1179	1306	389	0	-68	-157	21.9	91.1	110.7	0.0	193.2	4	
1G	25	1179	649	-396	0	69	-123	21.9	83.1	55.1	0.0	105.0	1	
1H	25	1179	1306	-396	0	69	-157	21.9	91.6	110.7	0.0	193.2	4	
1I	25	624	548	359	0	-67	-1	11.6	50.7	46.5	0.0	81.6	4	
1J	25	624	1407	359	0	-67	-279	11.6	122.1	119.3	0.0	207.0	4	
1K	25	624	548	-366	0	68	-1	11.6	51.3	46.5	0.0	81.6	4	
1L	25	624	1407	-366	0	68	-279	11.6	122.7	119.3	0.0	207.0	4	
1M	25	992	548	359	0	-67	-1	18.4	50.7	46.5	0.0	83.0	4	
1N	25	992	1407	359	0	-67	-279	18.4	122.1	119.3	0.0	207.6	4	
1O	25	992	548	-366	0	68	-1	18.4	51.3	46.5	0.0	83.0	4	
1P	25	992	1407	-366	0	68	-279	18.4	122.7	119.3	0.0	207.6	4	
2	25	4362	4982	-89	0	16	-658	81.1	181.3	422.5	0.0	736.3	4	
7	25	3498	3934	-95	0	17	-508	65.0	143.5	333.6	0.0	581.5	4	
8	25	3406	3904	-59	0	10	-518	63.3	141.0	331.0	0.0	576.9	4	
1A	50	437	639	389	0	-165	16	8.1	127.5	54.2	0.0	135.6	1	
1B	50	437	1295	389	0	-165	190	8.1	172.3	109.8	0.0	190.6	4	
1C	50	437	639	-396	0	167	16	8.1	129.4	54.2	0.0	137.5	1	
1D	50	437	1295	-396	0	167	190	8.1	174.2	109.8	0.0	190.6	4	
1E	50	1179	639	389	0	-165	16	21.9	127.5	54.2	0.0	149.4	1	
1F	50	1179	1295	389	0	-165	190	21.9	172.3	109.8	0.0	194.2	1	
1G	50	1179	639	-396	0	167	16	21.9	129.4	54.2	0.0	151.3	1	
1H	50	1179	1295	-396	0	167	190	21.9	174.2	109.8	0.0	196.1	1	
1I	50	624	538	359	0	-157	158	11.6	158.1	45.6	0.0	169.7	1	
1J	50	624	1396	359	0	-157	48	11.6	130.0	118.4	0.0	205.6	4	
1K	50	624	538	-366	0	160	158	11.6	160.0	45.6	0.0	171.6	1	
1L	50	624	1396	-366	0	160	48	11.6	131.9	118.4	0.0	205.6	4	
1M	50	992	538	359	0	-157	158	18.4	158.1	45.6	0.0	176.5	1	
1N	50	992	1396	359	0	-157	48	18.4	130.0	118.4	0.0	206.2	4	
1O	50	992	538	-366	0	160	158	18.4	160.0	45.6	0.0	178.4	1	
1P	50	992	1396	-366	0	160	48	18.4	131.9	118.4	0.0	206.3	4	
2	50	4362	4969	-89	0	38	586	81.1	179.3	421.3	0.0	734.4	4	
7	50	3498	3921	-95	0	41	474	65.0	152.6	332.5	0.0	579.6	4	
8	50	3406	3890	-59	0	25	456	63.3	136.0	329.8	0.0	574.9	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	437	87	153	11	7	11	1.00	1.00	112.7	
1B	437	87	228	11	7	11	1.00	1.00	132.0	
1C	437	88	153	11	7	11	1.00	1.00	113.6	
1D	437	88	228	11	7	11	1.00	1.00	132.8	
1E	1179	87	153	11	7	11	1.00	1.00	126.5	
1F	1179	87	228	11	7	11	1.00	1.00	145.8	
1G	1179	88	153	11	7	11	1.00	1.00	127.4	
1H	1179	88	228	11	7	11	1.00	1.00	146.6	
1I	624	85	65	11	7	11	1.00	1.00	92.2	
1J	624	85	346	11	7	11	1.00	1.00	164.4	
1K	624	86	65	11	7	11	1.00	1.00	93.0	

1L	624	86	346	11	7	11	1.00	1.00	165.2
1M	992	85	65	11	7	11	1.00	1.00	99.0
1N	992	85	346	11	7	11	1.00	1.00	171.2
1O	992	86	65	11	7	11	1.00	1.00	99.8
1P	992	86	346	11	7	11	1.00	1.00	172.1
2	4362	20	909	11	7	11	1.00	1.00	330.2
7	3498	22	706	11	7	11	1.00	1.00	263.1
8	3406	13	715	11	7	11	1.00	1.00	257.2

ASTA NUM. 79 NI 244 NF 243 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	631	699	304	0	36	-265	11.7	95.1	59.3	0.0	118.7	3	
1B	0	631	1575	304	0	36	-596	11.7	180.0	133.5	0.0	254.3	3	
1C	0	631	699	-309	0	-37	-265	11.7	95.6	59.3	0.0	118.7	3	
1D	0	631	1575	-309	0	-37	-596	11.7	180.6	133.5	0.0	254.3	3	
1E	0	1407	699	304	0	36	-265	26.1	95.1	59.3	0.0	128.1	3	
1F	0	1407	1575	304	0	36	-596	26.1	180.0	133.5	0.0	263.0	3	
1G	0	1407	699	-309	0	-37	-265	26.1	95.6	59.3	0.0	128.2	3	
1H	0	1407	1575	-309	0	-37	-596	26.1	180.6	133.5	0.0	263.1	3	
1I	0	158	53	308	0	42	-1	2.9	31.5	11.6	0.0	34.4	1	
1J	0	158	2221	308	0	42	-860	2.9	252.6	188.3	0.0	352.8	3	
1K	0	158	53	-314	0	-43	-1	2.9	32.0	11.8	0.0	35.0	1	
1L	0	158	2221	-314	0	-43	-860	2.9	253.2	188.3	0.0	352.8	3	
1M	0	1880	53	308	0	42	-1	34.9	31.5	11.6	0.0	66.4	1	
1N	0	1880	2221	308	0	42	-860	34.9	252.6	188.3	0.0	372.1	3	
1O	0	1880	53	-314	0	-43	-1	34.9	32.0	11.8	0.0	67.0	1	
1P	0	1880	2221	-314	0	-43	-860	34.9	253.2	188.3	0.0	372.1	3	
2	0	5706	5993	-70	0	-10	-2198	106.1	572.8	508.2	0.0	990.5	3	
7	0	4658	4781	-72	0	-10	-1728	86.6	452.1	405.4	0.0	787.8	3	
8	0	4403	4660	-46	0	-6	-1716	81.8	446.3	395.1	0.0	770.8	3	
1A	25	631	689	304	0	-40	-96	11.7	54.8	58.4	0.0	102.0	4	
1B	25	631	1564	304	0	-40	-199	11.7	81.4	132.6	0.0	230.1	4	
1C	25	631	689	-309	0	41	-96	11.7	55.2	58.4	0.0	102.0	4	
1D	25	631	1564	-309	0	41	-199	11.7	81.8	132.6	0.0	230.1	4	
1E	25	1407	689	304	0	-40	-96	26.1	54.8	58.4	0.0	104.7	4	
1F	25	1407	1564	304	0	-40	-199	26.1	81.4	132.6	0.0	231.3	4	
1G	25	1407	689	-309	0	41	-96	26.1	55.2	58.4	0.0	104.8	4	
1H	25	1407	1564	-309	0	41	-199	26.1	81.8	132.6	0.0	231.3	4	
1I	25	158	42	308	0	-35	9	2.9	28.8	11.6	0.0	31.7	1	
1J	25	158	2211	308	0	-35	-304	2.9	104.7	187.4	0.0	324.7	4	
1K	25	158	42	-314	0	36	9	2.9	29.2	11.8	0.0	32.2	1	
1L	25	158	2211	-314	0	36	-304	2.9	105.2	187.4	0.0	324.7	4	
1M	25	1880	42	308	0	-35	9	34.9	28.8	11.6	0.0	63.7	1	
1N	25	1880	2211	308	0	-35	-304	34.9	104.7	187.4	0.0	326.6	4	
1O	25	1880	42	-314	0	36	9	34.9	29.2	11.8	0.0	64.2	1	
1P	25	1880	2211	-314	0	36	-304	34.9	105.2	187.4	0.0	326.6	4	
2	25	5706	5979	-70	0	8	-702	106.1	186.5	507.0	0.0	884.5	4	
7	25	4658	4768	-72	0	8	-534	86.6	143.6	404.2	0.0	705.5	4	
8	25	4403	4646	-46	0	5	-553	81.8	146.2	393.9	0.0	687.2	4	
1A	50	631	678	304	0	-116	71	11.7	105.3	57.5	0.0	117.0	1	
1B	50	631	1554	304	0	-116	194	11.7	137.0	131.7	0.0	228.6	4	
1C	50	631	678	-309	0	118	71	11.7	106.8	57.5	0.0	118.5	1	
1D	50	631	1554	-309	0	118	194	11.7	138.4	131.7	0.0	228.6	4	
1E	50	1407	678	304	0	-116	71	26.1	105.3	57.5	0.0	131.4	1	
1F	50	1407	1554	304	0	-116	194	26.1	137.0	131.7	0.0	230.0	4	
1G	50	1407	678	-309	0	118	71	26.1	106.8	57.5	0.0	132.9	1	
1H	50	1407	1554	-309	0	118	194	26.1	138.4	131.7	0.0	230.0	4	
1I	50	158	32	308	0	-112	17	2.9	88.3	11.6	0.0	91.3	1	
1J	50	158	2200	308	0	-112	249	2.9	148.1	186.5	0.0	323.2	4	
1K	50	158	32	-314	0	114	17	2.9	89.8	11.8	0.0	92.8	1	
1L	50	158	2200	-314	0	114	249	2.9	149.6	186.5	0.0	323.2	4	
1M	50	1880	32	308	0	-112	17	34.9	88.3	11.6	0.0	123.3	1	
1N	50	1880	2200	308	0	-112	249	34.9	148.1	186.5	0.0	325.3	4	
1O	50	1880	32	-314	0	114	17	34.9	89.8	11.8	0.0	124.8	1	
1P	50	1880	2200	-314	0	114	249	34.9	149.6	186.5	0.0	325.3	4	
2	50	5706	5965	-70	0	26	791	106.1	222.8	505.8	0.0	882.5	4	
7	50	4658	4754	-72	0	26	656	86.6	188.4	403.1	0.0	703.6	4	
8	50	4403	4632	-46	0	17	607	81.8	168.7	392.8	0.0	685.2	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	631	55	131	11	7	11	1.00	1.00	86.9	
1B	631	55	280	11	7	11	1.00	1.00	125.2	
1C	631	56	131	11	7	11	1.00	1.00	87.5	
1D	631	56	280	11	7	11	1.00	1.00	125.8	
1E	1407	55	131	11	7	11	1.00	1.00	101.3	
1F	1407	55	280	11	7	11	1.00	1.00	139.6	
1G	1407	56	131	11	7	11	1.00	1.00	101.9	
1H	1407	56	280	11	7	11	1.00	1.00	140.2	
1I	158	51	10	11	7	11	1.00	1.00	43.4	

1J	158	51	417	11	7	11	1.00	1.00	148.1
1K	158	52	10	11	7	11	1.00	1.00	44.0
1L	158	52	417	11	7	11	1.00	1.00	148.7
1M	1880	51	10	11	7	11	1.00	1.00	75.4
1N	1880	51	417	11	7	11	1.00	1.00	180.1
1O	1880	52	10	11	7	11	1.00	1.00	76.0
1P	1880	52	417	11	7	11	1.00	1.00	180.7
2	5706	12	1002	11	7	11	1.00	1.00	372.6
7	4658	12	774	11	7	11	1.00	1.00	294.7
8	4403	8	787	11	7	11	1.00	1.00	290.0

ASTA NUM. 80 NI 284 NF 283 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1140	-473	230	0	25	17	21.2	22.8	40.1	0.0	72.8	4	
1B	0	-1140	1247	230	0	25	-582	21.2	168.2	105.7	0.0	225.2	3	
1C	0	-1140	-473	-232	0	-25	17	21.2	23.3	40.1	0.0	72.8	4	
1D	0	-1140	1247	-232	0	-25	-582	21.2	168.6	105.7	0.0	225.2	3	
1E	0	598	-473	230	0	25	17	11.1	22.8	40.1	0.0	70.5	4	
1F	0	598	1247	230	0	25	-582	11.1	168.2	105.7	0.0	218.4	3	
1G	0	598	-473	-232	0	-25	17	11.1	23.3	40.1	0.0	70.5	4	
1H	0	598	1247	-232	0	-25	-582	11.1	168.6	105.7	0.0	218.4	3	
1I	0	-2586	-1553	213	0	17	316	48.1	93.6	131.7	0.0	235.7	3	
1J	0	-2586	2327	213	0	17	-880	48.1	238.9	197.3	0.0	393.2	3	
1K	0	-2586	-1553	-214	0	-17	316	48.1	94.0	131.7	0.0	235.7	3	
1L	0	-2586	2327	-214	0	-17	-880	48.1	239.4	197.3	0.0	393.2	3	
1M	0	2045	-1553	213	0	17	316	38.0	93.6	131.7	0.0	231.3	4	
1N	0	2045	2327	213	0	17	-880	38.0	238.9	197.3	0.0	386.9	3	
1O	0	2045	-1553	-214	0	-17	316	38.0	94.0	131.7	0.0	231.3	4	
1P	0	2045	2327	-214	0	-17	-880	38.0	239.4	197.3	0.0	386.9	3	
2	0	301	2333	-62	0	-4	-1284	5.6	333.5	197.8	0.0	427.4	3	
7	0	298	1922	-59	0	-4	-1045	5.5	272.0	163.0	0.0	350.7	3	
8	0	116	1798	-41	0	-3	-1014	2.2	263.0	152.5	0.0	331.8	3	
1A	25	-1140	-484	230	0	-33	-108	21.2	52.3	41.0	0.0	79.8	3	
1B	25	-1140	1237	230	0	-33	-266	21.2	93.1	104.8	0.0	182.9	4	
1C	25	-1140	-484	-232	0	33	-108	21.2	52.2	41.0	0.0	79.8	3	
1D	25	-1140	1237	-232	0	33	-266	21.2	93.0	104.8	0.0	182.9	4	
1E	25	598	-484	230	0	-33	-108	11.1	52.3	41.0	0.0	74.3	3	
1F	25	598	1237	230	0	-33	-266	11.1	93.1	104.8	0.0	182.0	4	
1G	25	598	-484	-232	0	33	-108	11.1	52.2	41.0	0.0	74.3	3	
1H	25	598	1237	-232	0	33	-266	11.1	93.0	104.8	0.0	182.0	4	
1I	25	-2586	-1563	213	0	-37	-77	48.1	47.1	132.6	0.0	234.8	4	
1J	25	-2586	2316	213	0	-37	-297	48.1	103.9	196.4	0.0	343.7	4	
1K	25	-2586	-1563	-214	0	36	-77	48.1	47.0	132.6	0.0	234.8	4	
1L	25	-2586	2316	-214	0	36	-297	48.1	103.8	196.4	0.0	343.7	4	
1M	25	2045	-1563	213	0	-37	-77	38.0	47.1	132.6	0.0	232.9	4	
1N	25	2045	2316	213	0	-37	-297	38.0	103.9	196.4	0.0	342.4	4	
1O	25	2045	-1563	-214	0	36	-77	38.0	47.0	132.6	0.0	232.9	4	
1P	25	2045	2316	-214	0	36	-297	38.0	103.8	196.4	0.0	342.4	4	
2	25	301	2319	-62	0	11	-702	5.6	189.2	196.6	0.0	344.8	3	
7	25	298	1908	-59	0	11	-566	5.5	153.6	161.8	0.0	282.8	3	
8	25	116	1784	-41	0	7	-566	2.2	151.3	151.3	0.0	267.1	3	
1A	50	-1140	-494	230	0	-90	-235	21.2	128.1	41.9	0.0	149.3	1	
1B	50	-1140	1226	230	0	-90	46	21.2	79.6	104.0	0.0	181.6	4	
1C	50	-1140	-494	-232	0	91	-235	21.2	128.3	41.9	0.0	149.5	1	
1D	50	-1140	1226	-232	0	91	46	21.2	79.8	104.0	0.0	181.6	4	
1E	50	598	-494	230	0	-90	-235	11.1	128.1	41.9	0.0	139.2	1	
1F	50	598	1226	230	0	-90	46	11.1	79.6	104.0	0.0	180.5	4	
1G	50	598	-494	-232	0	91	-235	11.1	128.3	41.9	0.0	139.4	1	
1H	50	598	1226	-232	0	91	46	11.1	79.8	104.0	0.0	180.5	4	
1I	50	-2586	-1574	213	0	-90	-471	48.1	188.5	133.5	0.0	259.2	3	
1J	50	-2586	2306	213	0	-90	283	48.1	140.0	195.5	0.0	342.3	4	
1K	50	-2586	-1574	-214	0	90	-471	48.1	188.8	133.5	0.0	259.3	3	
1L	50	-2586	2306	-214	0	90	283	48.1	140.2	195.5	0.0	342.3	4	
1M	50	2045	-1574	213	0	-90	-471	38.0	188.5	133.5	0.0	253.2	3	
1N	50	2045	2306	213	0	-90	283	38.0	140.0	195.5	0.0	341.0	4	
1O	50	2045	-1574	-214	0	90	-471	38.0	188.8	133.5	0.0	253.2	3	
1P	50	2045	2306	-214	0	90	283	38.0	140.2	195.5	0.0	341.0	4	
2	50	301	2305	-62	0	27	-124	5.6	52.0	195.4	0.0	338.6	4	
7	50	298	1894	-59	0	25	-91	5.5	42.4	160.6	0.0	278.2	4	
8	50	116	1770	-41	0	18	-122	2.2	44.7	150.1	0.0	260.0	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1140	44	134	11	7	11	1.00	1.00	88.9	
1B	-1140	44	331	11	7	11	1.00	1.00	139.4	
1C	-1140	44	134	11	7	11	1.00	1.00	88.9	
1D	-1140	44	331	11	7	11	1.00	1.00	139.4	
1E	598	44	134	11	7	11	1.00	1.00	78.8	
1F	598	44	331	11	7	11	1.00	1.00	129.4	
1G	598	44	134	11	7	11	1.00	1.00	78.8	

1H	598	44	331	11	7	11	1.00	1.00	129.4
1I	-2586	47	189	11	7	11	1.00	1.00	132.0
1J	-2586	47	415	11	7	11	1.00	1.00	190.3
1K	-2586	47	189	11	7	11	1.00	1.00	131.9
1L	-2586	47	415	11	7	11	1.00	1.00	190.2
1M	2045	47	189	11	7	11	1.00	1.00	121.9
1N	2045	47	415	11	7	11	1.00	1.00	180.2
1O	2045	47	189	11	7	11	1.00	1.00	121.9
1P	2045	47	415	11	7	11	1.00	1.00	180.2
2	301	14	820	11	7	11	1.00	1.00	227.4
7	298	14	663	11	7	11	1.00	1.00	186.4
8	116	9	657	11	7	11	1.00	1.00	178.4

ASTA NUM. 81 NI 324 NF 323 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	137	10	297	0	13	26	2.5	16.1	11.1	0.0	21.2	3	
1B	0	137	206	297	0	13	-23	2.5	15.4	17.4	0.0	33.9	3	
1C	0	137	10	-263	0	-11	26	2.5	15.1	9.9	0.0	19.3	3	
1D	0	137	206	-263	0	-11	-23	2.5	14.4	17.4	0.0	32.8	3	
1E	0	376	10	297	0	13	26	7.0	16.1	11.1	0.0	23.4	3	
1F	0	376	206	297	0	13	-23	7.0	15.4	17.4	0.0	35.3	3	
1G	0	376	10	-263	0	-11	26	7.0	15.1	9.9	0.0	22.1	1	
1H	0	376	206	-263	0	-11	-23	7.0	14.4	17.4	0.0	34.1	3	
1I	0	70	-104	270	0	11	43	1.3	19.4	10.1	0.0	24.9	3	
1J	0	70	319	270	0	11	-40	1.3	18.7	27.1	0.0	46.9	4	
1K	0	70	-104	-236	0	-10	43	1.3	18.4	8.9	0.0	23.4	3	
1L	0	70	319	-236	0	-10	-40	1.3	17.7	27.1	0.0	46.9	4	
1M	0	443	-104	270	0	11	43	8.2	19.4	10.1	0.0	28.8	3	
1N	0	443	319	270	0	11	-40	8.2	18.7	27.1	0.0	48.4	3	
1O	0	443	-104	-236	0	-10	43	8.2	18.4	8.9	0.0	27.5	3	
1P	0	443	319	-236	0	-10	-40	8.2	17.7	27.1	0.0	47.7	3	
2	0	404	106	4	0	0	30	7.5	7.7	9.0	0.0	19.9	3	
7	0	412	109	2	0	0	30	7.7	7.7	9.3	0.0	20.3	3	
8	0	383	116	11	0	0	21	7.1	5.8	9.8	0.0	19.3	3	
1A	25	137	-1	297	0	-61	25	2.5	52.6	11.1	0.0	55.1	1	
1B	25	137	195	297	0	-61	28	2.5	53.3	16.5	0.0	55.9	1	
1C	25	137	-1	-263	0	55	25	2.5	47.4	9.9	0.0	49.9	1	
1D	25	137	195	-263	0	55	28	2.5	48.1	16.5	0.0	50.7	1	
1E	25	376	-1	297	0	-61	25	7.0	52.6	11.1	0.0	59.6	1	
1F	25	376	195	297	0	-61	28	7.0	53.3	16.5	0.0	60.3	1	
1G	25	376	-1	-263	0	55	25	7.0	47.4	9.9	0.0	54.4	1	
1H	25	376	195	-263	0	55	28	7.0	48.1	16.5	0.0	55.1	1	
1I	25	70	-114	270	0	-56	15	1.3	46.0	10.1	0.0	47.3	1	
1J	25	70	309	270	0	-56	39	1.3	52.0	26.2	0.0	53.3	1	
1K	25	70	-114	-236	0	49	15	1.3	40.8	9.7	0.0	42.1	1	
1L	25	70	309	-236	0	49	39	1.3	46.8	26.2	0.0	48.1	1	
1M	25	443	-114	270	0	-56	15	8.2	46.0	10.1	0.0	54.3	1	
1N	25	443	309	270	0	-56	39	8.2	52.0	26.2	0.0	60.3	1	
1O	25	443	-114	-236	0	49	15	8.2	40.8	9.7	0.0	49.1	1	
1P	25	443	309	-236	0	49	39	8.2	46.8	26.2	0.0	55.1	1	
2	25	404	93	4	0	-1	54	7.5	14.6	7.9	0.0	23.4	3	
7	25	412	95	2	0	-0	55	7.7	14.5	8.1	0.0	23.9	3	
8	25	383	102	11	0	-2	49	7.1	14.2	8.7	0.0	22.7	3	
1A	50	137	-11	297	0	-136	22	2.5	107.3	11.1	0.0	109.8	1	
1B	50	137	185	297	0	-136	77	2.5	121.4	15.7	0.0	124.0	1	
1C	50	137	-11	-263	0	120	22	2.5	95.8	9.9	0.0	98.4	1	
1D	50	137	185	-263	0	120	77	2.5	110.0	15.7	0.0	112.6	1	
1E	50	376	-11	297	0	-136	22	7.0	107.3	11.1	0.0	114.3	1	
1F	50	376	185	297	0	-136	77	7.0	121.4	15.7	0.0	128.4	1	
1G	50	376	-11	-263	0	120	22	7.0	95.8	9.9	0.0	102.8	1	
1H	50	376	185	-263	0	120	77	7.0	110.0	15.7	0.0	117.0	1	
1I	50	70	-125	270	0	-124	-15	1.3	96.4	10.6	0.0	97.7	1	
1J	50	70	298	270	0	-124	115	1.3	122.1	25.3	0.0	123.4	1	
1K	50	70	-125	-236	0	108	-15	1.3	85.0	10.6	0.0	86.3	1	
1L	50	70	298	-236	0	108	115	1.3	110.7	25.3	0.0	112.0	1	
1M	50	443	-125	270	0	-124	-15	8.2	96.4	10.6	0.0	104.7	1	
1N	50	443	298	270	0	-124	115	8.2	122.1	25.3	0.0	130.4	1	
1O	50	443	-125	-236	0	108	-15	8.2	85.0	10.6	0.0	93.2	1	
1P	50	443	298	-236	0	108	115	8.2	110.7	25.3	0.0	118.9	1	
2	50	404	79	4	0	-2	76	7.5	20.8	6.7	0.0	28.4	1	
7	50	412	82	2	0	-1	77	7.7	20.5	6.9	0.0	28.1	1	
8	50	383	89	11	0	-5	72	7.1	22.3	7.5	0.0	29.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	137	76	24	11	7	11	1.00	1.00	66.0	
1B	137	76	37	11	7	11	1.00	1.00	69.2	
1C	137	68	24	11	7	11	1.00	1.00	59.5	
1D	137	68	37	11	7	11	1.00	1.00	62.8	
1E	376	76	24	11	7	11	1.00	1.00	70.4	

1F	376	76	37	11	7	11	1.00	1.00	73.7
1G	376	68	24	11	7	11	1.00	1.00	64.0
1H	376	68	37	11	7	11	1.00	1.00	67.2
1I	70	70	20	11	7	11	1.00	1.00	58.6
1J	70	70	53	11	7	11	1.00	1.00	67.1
1K	70	61	20	11	7	11	1.00	1.00	52.1
1L	70	61	53	11	7	11	1.00	1.00	60.6
1M	443	70	20	11	7	11	1.00	1.00	65.5
1N	443	70	53	11	7	11	1.00	1.00	74.0
1O	443	61	20	11	7	11	1.00	1.00	59.1
1P	443	61	53	11	7	11	1.00	1.00	67.6
2	404	1	57	11	7	11	1.00	1.00	23.0
7	412	0	58	11	7	11	1.00	1.00	23.0
8	383	3	52	11	7	11	1.00	1.00	22.5

ASTA NUM. 82 NI 192 NF 200 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-208	-110	1	0	0	28								Tipo di acciaio non contemplato
1B	0	-208	93	1	0	0	-23								Tipo di acciaio non contemplato
1C	0	-208	-110	-2	0	0	28								Tipo di acciaio non contemplato
1D	0	-208	93	-2	0	0	-23								Tipo di acciaio non contemplato
1E	0	262	-110	1	0	0	28								Tipo di acciaio non contemplato
1F	0	262	93	1	0	0	-23								Tipo di acciaio non contemplato
1G	0	262	-110	-2	0	0	28								Tipo di acciaio non contemplato
1H	0	262	93	-2	0	0	-23								Tipo di acciaio non contemplato
1I	0	-78	-111	1	0	0	28								Tipo di acciaio non contemplato
1J	0	-78	94	1	0	0	-23								Tipo di acciaio non contemplato
1K	0	-78	-111	-2	0	0	28								Tipo di acciaio non contemplato
1L	0	-78	94	-2	0	0	-23								Tipo di acciaio non contemplato
1M	0	132	-111	1	0	0	28								Tipo di acciaio non contemplato
1N	0	132	94	1	0	0	-23								Tipo di acciaio non contemplato
1O	0	132	-111	-2	0	0	28								Tipo di acciaio non contemplato
1P	0	132	94	-2	0	0	-23								Tipo di acciaio non contemplato
2	0	-148	-421	-3	0	0	106								Tipo di acciaio non contemplato
7	0	-97	-349	-2	0	0	88								Tipo di acciaio non contemplato
8	0	-149	-363	-2	0	0	91								Tipo di acciaio non contemplato
1A	25	-208	-112	1	0	0	0								Tipo di acciaio non contemplato
1B	25	-208	91	1	0	0	0								Tipo di acciaio non contemplato
1C	25	-208	-112	-2	0	0	0								Tipo di acciaio non contemplato
1D	25	-208	91	-2	0	0	0								Tipo di acciaio non contemplato
1E	25	262	-112	1	0	0	0								Tipo di acciaio non contemplato
1F	25	262	91	1	0	0	0								Tipo di acciaio non contemplato
1G	25	262	-112	-2	0	0	0								Tipo di acciaio non contemplato
1H	25	262	91	-2	0	0	0								Tipo di acciaio non contemplato
1I	25	-78	-113	1	0	0	0								Tipo di acciaio non contemplato
1J	25	-78	92	1	0	0	0								Tipo di acciaio non contemplato
1K	25	-78	-113	-2	0	0	0								Tipo di acciaio non contemplato
1L	25	-78	92	-2	0	0	0								Tipo di acciaio non contemplato
1M	25	132	-113	1	0	0	0								Tipo di acciaio non contemplato
1N	25	132	92	1	0	0	0								Tipo di acciaio non contemplato
1O	25	132	-113	-2	0	0	0								Tipo di acciaio non contemplato
1P	25	132	92	-2	0	0	0								Tipo di acciaio non contemplato
2	25	-148	-424	-3	0	0	0								Tipo di acciaio non contemplato
7	25	-97	-352	-2	0	0	0								Tipo di acciaio non contemplato
8	25	-149	-366	-2	0	0	0								Tipo di acciaio non contemplato
1A	50	-208	-114	1	0	1	-28								Tipo di acciaio non contemplato
1B	50	-208	89	1	0	1	22								Tipo di acciaio non contemplato
1C	50	-208	-114	-2	0	-1	-28								Tipo di acciaio non contemplato
1D	50	-208	89	-2	0	-1	22								Tipo di acciaio non contemplato
1E	50	262	-114	1	0	1	-28								Tipo di acciaio non contemplato
1F	50	262	89	1	0	1	22								Tipo di acciaio non contemplato
1G	50	262	-114	-2	0	-1	-28								Tipo di acciaio non contemplato
1H	50	262	89	-2	0	-1	22								Tipo di acciaio non contemplato
1I	50	-78	-116	1	0	1	-29								Tipo di acciaio non contemplato
1J	50	-78	90	1	0	1	23								Tipo di acciaio non contemplato
1K	50	-78	-116	-2	0	0	-29								Tipo di acciaio non contemplato
1L	50	-78	90	-2	0	0	23								Tipo di acciaio non contemplato
1M	50	132	-116	1	0	1	-29								Tipo di acciaio non contemplato
1N	50	132	90	1	0	1	23								Tipo di acciaio non contemplato
1O	50	132	-116	-2	0	0	-29								Tipo di acciaio non contemplato
1P	50	132	90	-2	0	0	23								Tipo di acciaio non contemplato
2	50	-148	-427	-3	0	0	-106								Tipo di acciaio non contemplato
7	50	-97	-354	-2	0	0	-88								Tipo di acciaio non contemplato
8	50	-149	-369	-2	0	0	-92								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-208	1	11								Tipo di acciaio non contemplato
1B	-208	1	9								Tipo di acciaio non contemplato
1C	-208	1	11								Tipo di acciaio non contemplato

1D	-208	1	9		Tipo di acciaio non contemplato
1E	262	1	11		Tipo di acciaio non contemplato
1F	262	1	9		Tipo di acciaio non contemplato
1G	262	1	11		Tipo di acciaio non contemplato
1H	262	1	9		Tipo di acciaio non contemplato
1I	-78	1	11		Tipo di acciaio non contemplato
1J	-78	1	9		Tipo di acciaio non contemplato
1K	-78	1	11		Tipo di acciaio non contemplato
1L	-78	1	9		Tipo di acciaio non contemplato
1M	132	1	11		Tipo di acciaio non contemplato
1N	132	1	9		Tipo di acciaio non contemplato
1O	132	1	11		Tipo di acciaio non contemplato
1P	132	1	9		Tipo di acciaio non contemplato
2	-148	0	43		Tipo di acciaio non contemplato
7	-97	0	35		Tipo di acciaio non contemplato
8	-149	0	37		Tipo di acciaio non contemplato

ASTA NUM. 83 NI 212 NF 220 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-240	-232	4	0	0	59								Tipo di acciaio non contemplato
1B	0	-240	47	4	0	0	-12								Tipo di acciaio non contemplato
1C	0	-240	-232	-5	0	0	59								Tipo di acciaio non contemplato
1D	0	-240	47	-5	0	0	-12								Tipo di acciaio non contemplato
1E	0	267	-232	4	0	0	59								Tipo di acciaio non contemplato
1F	0	267	47	4	0	0	-12								Tipo di acciaio non contemplato
1G	0	267	-232	-5	0	0	59								Tipo di acciaio non contemplato
1H	0	267	47	-5	0	0	-12								Tipo di acciaio non contemplato
1I	0	-230	-316	3	0	0	79								Tipo di acciaio non contemplato
1J	0	-230	131	3	0	0	-33								Tipo di acciaio non contemplato
1K	0	-230	-316	-4	0	0	79								Tipo di acciaio non contemplato
1L	0	-230	131	-4	0	0	-33								Tipo di acciaio non contemplato
1M	0	257	-316	3	0	0	79								Tipo di acciaio non contemplato
1N	0	257	131	3	0	0	-33								Tipo di acciaio non contemplato
1O	0	257	-316	-4	0	0	79								Tipo di acciaio non contemplato
1P	0	257	131	-4	0	0	-33								Tipo di acciaio non contemplato
2	0	-155	-933	-2	0	0	234								Tipo di acciaio non contemplato
7	0	-138	-827	-2	0	0	207								Tipo di acciaio non contemplato
8	0	-112	-704	-1	0	0	176								Tipo di acciaio non contemplato
1A	25	-240	-234	4	0	1	0								Tipo di acciaio non contemplato
1B	25	-240	45	4	0	1	0								Tipo di acciaio non contemplato
1C	25	-240	-234	-5	0	-1	0								Tipo di acciaio non contemplato
1D	25	-240	45	-5	0	-1	0								Tipo di acciaio non contemplato
1E	25	267	-234	4	0	1	0								Tipo di acciaio non contemplato
1F	25	267	45	4	0	1	0								Tipo di acciaio non contemplato
1G	25	267	-234	-5	0	-1	0								Tipo di acciaio non contemplato
1H	25	267	45	-5	0	-1	0								Tipo di acciaio non contemplato
1I	25	-230	-318	3	0	1	0								Tipo di acciaio non contemplato
1J	25	-230	129	3	0	1	0								Tipo di acciaio non contemplato
1K	25	-230	-318	-4	0	-1	0								Tipo di acciaio non contemplato
1L	25	-230	129	-4	0	-1	0								Tipo di acciaio non contemplato
1M	25	257	-318	3	0	1	0								Tipo di acciaio non contemplato
1N	25	257	129	3	0	1	0								Tipo di acciaio non contemplato
1O	25	257	-318	-4	0	-1	0								Tipo di acciaio non contemplato
1P	25	257	129	-4	0	-1	0								Tipo di acciaio non contemplato
2	25	-155	-936	-2	0	0	0								Tipo di acciaio non contemplato
7	25	-138	-830	-2	0	0	0								Tipo di acciaio non contemplato
8	25	-112	-707	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	-240	-236	4	0	2	-59								Tipo di acciaio non contemplato
1B	50	-240	43	4	0	2	11								Tipo di acciaio non contemplato
1C	50	-240	-236	-5	0	-2	-59								Tipo di acciaio non contemplato
1D	50	-240	43	-5	0	-2	11								Tipo di acciaio non contemplato
1E	50	267	-236	4	0	2	-59								Tipo di acciaio non contemplato
1F	50	267	43	4	0	2	11								Tipo di acciaio non contemplato
1G	50	267	-236	-5	0	-2	-59								Tipo di acciaio non contemplato
1H	50	267	43	-5	0	-2	11								Tipo di acciaio non contemplato
1I	50	-230	-320	3	0	2	-80								Tipo di acciaio non contemplato
1J	50	-230	127	3	0	2	32								Tipo di acciaio non contemplato
1K	50	-230	-320	-4	0	-2	-80								Tipo di acciaio non contemplato
1L	50	-230	127	-4	0	-2	32								Tipo di acciaio non contemplato
1M	50	257	-320	3	0	2	-80								Tipo di acciaio non contemplato
1N	50	257	127	3	0	2	32								Tipo di acciaio non contemplato
1O	50	257	-320	-4	0	-2	-80								Tipo di acciaio non contemplato
1P	50	257	127	-4	0	-2	32								Tipo di acciaio non contemplato
2	50	-155	-939	-2	0	0	-234								Tipo di acciaio non contemplato
7	50	-138	-832	-2	0	0	-208								Tipo di acciaio non contemplato
8	50	-112	-710	-1	0	0	-177								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-240	1	23								Tipo di acciaio non contemplato

1B	-240	1	5	Tipo di acciaio non contemplato
1C	-240	2	23	Tipo di acciaio non contemplato
1D	-240	2	5	Tipo di acciaio non contemplato
1E	267	1	23	Tipo di acciaio non contemplato
1F	267	1	5	Tipo di acciaio non contemplato
1G	267	2	23	Tipo di acciaio non contemplato
1H	267	2	5	Tipo di acciaio non contemplato
1I	-230	1	32	Tipo di acciaio non contemplato
1J	-230	1	13	Tipo di acciaio non contemplato
1K	-230	2	32	Tipo di acciaio non contemplato
1L	-230	2	13	Tipo di acciaio non contemplato
1M	257	1	32	Tipo di acciaio non contemplato
1N	257	1	13	Tipo di acciaio non contemplato
1O	257	2	32	Tipo di acciaio non contemplato
1P	257	2	13	Tipo di acciaio non contemplato
2	-155	1	94	Tipo di acciaio non contemplato
7	-138	0	83	Tipo di acciaio non contemplato
8	-112	0	71	Tipo di acciaio non contemplato

ASTA NUM. 84 NI 252 NF 260 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-252	-371	5	0	1	93								Tipo di acciaio non contemplato
1B	0	-252	130	5	0	1	-32								Tipo di acciaio non contemplato
1C	0	-252	-371	-5	0	-1	93								Tipo di acciaio non contemplato
1D	0	-252	130	-5	0	-1	-32								Tipo di acciaio non contemplato
1E	0	307	-371	5	0	1	93								Tipo di acciaio non contemplato
1F	0	307	130	5	0	1	-32								Tipo di acciaio non contemplato
1G	0	307	-371	-5	0	-1	93								Tipo di acciaio non contemplato
1H	0	307	130	-5	0	-1	-32								Tipo di acciaio non contemplato
1I	0	-278	-554	3	0	0	139								Tipo di acciaio non contemplato
1J	0	-278	313	3	0	0	-78								Tipo di acciaio non contemplato
1K	0	-278	-554	-3	0	0	139								Tipo di acciaio non contemplato
1L	0	-278	313	-3	0	0	-78								Tipo di acciaio non contemplato
1M	0	333	-554	3	0	0	139								Tipo di acciaio non contemplato
1N	0	333	313	3	0	0	-78								Tipo di acciaio non contemplato
1O	0	333	-554	-3	0	0	139								Tipo di acciaio non contemplato
1P	0	333	313	-3	0	0	-78								Tipo di acciaio non contemplato
2	0	-128	-1228	-1	0	0	307								Tipo di acciaio non contemplato
7	0	-124	-1102	-1	0	0	276								Tipo di acciaio non contemplato
8	0	-86	-915	-1	0	0	229								Tipo di acciaio non contemplato
1A	25	-252	-373	5	0	0	0								Tipo di acciaio non contemplato
1B	25	-252	128	5	0	0	0								Tipo di acciaio non contemplato
1C	25	-252	-373	-5	0	0	0								Tipo di acciaio non contemplato
1D	25	-252	128	-5	0	0	0								Tipo di acciaio non contemplato
1E	25	307	-373	5	0	0	0								Tipo di acciaio non contemplato
1F	25	307	128	5	0	0	0								Tipo di acciaio non contemplato
1G	25	307	-373	-5	0	0	0								Tipo di acciaio non contemplato
1H	25	307	128	-5	0	0	0								Tipo di acciaio non contemplato
1I	25	-278	-556	3	0	0	0								Tipo di acciaio non contemplato
1J	25	-278	310	3	0	0	0								Tipo di acciaio non contemplato
1K	25	-278	-556	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-278	310	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	333	-556	3	0	0	0								Tipo di acciaio non contemplato
1N	25	333	310	3	0	0	0								Tipo di acciaio non contemplato
1O	25	333	-556	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	333	310	-3	0	0	0								Tipo di acciaio non contemplato
2	25	-128	-1231	-1	0	0	0								Tipo di acciaio non contemplato
7	25	-124	-1105	-1	0	0	0								Tipo di acciaio non contemplato
8	25	-86	-918	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	-252	-375	5	0	-1	-93								Tipo di acciaio non contemplato
1B	50	-252	125	5	0	-1	32								Tipo di acciaio non contemplato
1C	50	-252	-375	-5	0	1	-93								Tipo di acciaio non contemplato
1D	50	-252	125	-5	0	1	32								Tipo di acciaio non contemplato
1E	50	307	-375	5	0	-1	-93								Tipo di acciaio non contemplato
1F	50	307	125	5	0	-1	32								Tipo di acciaio non contemplato
1G	50	307	-375	-5	0	1	-93								Tipo di acciaio non contemplato
1H	50	307	125	-5	0	1	32								Tipo di acciaio non contemplato
1I	50	-278	-558	3	0	0	-139								Tipo di acciaio non contemplato
1J	50	-278	308	3	0	0	77								Tipo di acciaio non contemplato
1K	50	-278	-558	-3	0	0	-139								Tipo di acciaio non contemplato
1L	50	-278	308	-3	0	0	77								Tipo di acciaio non contemplato
1M	50	333	-558	3	0	0	-139								Tipo di acciaio non contemplato
1N	50	333	308	3	0	0	77								Tipo di acciaio non contemplato
1O	50	333	-558	-3	0	0	-139								Tipo di acciaio non contemplato
1P	50	333	308	-3	0	0	77								Tipo di acciaio non contemplato
2	50	-128	-1234	-1	0	0	-308								Tipo di acciaio non contemplato
7	50	-124	-1108	-1	0	0	-277								Tipo di acciaio non contemplato
8	50	-86	-921	-1	0	0	-230								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		

1A	-252	1	37	Tipo di acciaio non contemplato
1B	-252	1	13	Tipo di acciaio non contemplato
1C	-252	1	37	Tipo di acciaio non contemplato
1D	-252	1	13	Tipo di acciaio non contemplato
1E	307	1	37	Tipo di acciaio non contemplato
1F	307	1	13	Tipo di acciaio non contemplato
1G	307	1	37	Tipo di acciaio non contemplato
1H	307	1	13	Tipo di acciaio non contemplato
1I	-278	0	56	Tipo di acciaio non contemplato
1J	-278	0	31	Tipo di acciaio non contemplato
1K	-278	0	56	Tipo di acciaio non contemplato
1L	-278	0	31	Tipo di acciaio non contemplato
1M	333	0	56	Tipo di acciaio non contemplato
1N	333	0	31	Tipo di acciaio non contemplato
1O	333	0	56	Tipo di acciaio non contemplato
1P	333	0	31	Tipo di acciaio non contemplato
2	-128	0	123	Tipo di acciaio non contemplato
7	-124	0	111	Tipo di acciaio non contemplato
8	-86	0	92	Tipo di acciaio non contemplato

ASTA NUM. 85 NI 292 NF 300 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-254	-320	4	0	1	80								Tipo di acciaio non contemplato
1B	0	-254	249	4	0	1	-62								Tipo di acciaio non contemplato
1C	0	-254	-320	-4	0	-1	80								Tipo di acciaio non contemplato
1D	0	-254	249	-4	0	-1	-62								Tipo di acciaio non contemplato
1E	0	377	-320	4	0	1	80								Tipo di acciaio non contemplato
1F	0	377	249	4	0	1	-62								Tipo di acciaio non contemplato
1G	0	377	-320	-4	0	-1	80								Tipo di acciaio non contemplato
1H	0	377	249	-4	0	-1	-62								Tipo di acciaio non contemplato
1I	0	-515	-793	3	0	0	199								Tipo di acciaio non contemplato
1J	0	-515	722	3	0	0	-180								Tipo di acciaio non contemplato
1K	0	-515	-793	-3	0	0	199								Tipo di acciaio non contemplato
1L	0	-515	722	-3	0	0	-180								Tipo di acciaio non contemplato
1M	0	638	-793	3	0	0	199								Tipo di acciaio non contemplato
1N	0	638	722	3	0	0	-180								Tipo di acciaio non contemplato
1O	0	638	-793	-3	0	0	199								Tipo di acciaio non contemplato
1P	0	638	722	-3	0	0	-180								Tipo di acciaio non contemplato
2	0	-75	-815	-0	0	0	204								Tipo di acciaio non contemplato
7	0	-88	-791	-0	0	0	198								Tipo di acciaio non contemplato
8	0	-32	-590	0	0	0	148								Tipo di acciaio non contemplato
1A	25	-254	-322	4	0	0	0								Tipo di acciaio non contemplato
1B	25	-254	247	4	0	0	0								Tipo di acciaio non contemplato
1C	25	-254	-322	-4	0	0	0								Tipo di acciaio non contemplato
1D	25	-254	247	-4	0	0	0								Tipo di acciaio non contemplato
1E	25	377	-322	4	0	0	0								Tipo di acciaio non contemplato
1F	25	377	247	4	0	0	0								Tipo di acciaio non contemplato
1G	25	377	-322	-4	0	0	0								Tipo di acciaio non contemplato
1H	25	377	247	-4	0	0	0								Tipo di acciaio non contemplato
1I	25	-515	-795	3	0	0	0								Tipo di acciaio non contemplato
1J	25	-515	720	3	0	0	0								Tipo di acciaio non contemplato
1K	25	-515	-795	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-515	720	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	638	-795	3	0	0	0								Tipo di acciaio non contemplato
1N	25	638	720	3	0	0	0								Tipo di acciaio non contemplato
1O	25	638	-795	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	638	720	-3	0	0	0								Tipo di acciaio non contemplato
2	25	-75	-818	-0	0	0	0								Tipo di acciaio non contemplato
7	25	-88	-793	-0	0	0	0								Tipo di acciaio non contemplato
8	25	-32	-592	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-254	-325	4	0	0	-81								Tipo di acciaio non contemplato
1B	50	-254	245	4	0	0	61								Tipo di acciaio non contemplato
1C	50	-254	-325	-4	0	0	-81								Tipo di acciaio non contemplato
1D	50	-254	245	-4	0	0	61								Tipo di acciaio non contemplato
1E	50	377	-325	4	0	0	-81								Tipo di acciaio non contemplato
1F	50	377	245	4	0	0	61								Tipo di acciaio non contemplato
1G	50	377	-325	-4	0	0	-81								Tipo di acciaio non contemplato
1H	50	377	245	-4	0	0	61								Tipo di acciaio non contemplato
1I	50	-515	-797	3	0	0	-199								Tipo di acciaio non contemplato
1J	50	-515	718	3	0	0	180								Tipo di acciaio non contemplato
1K	50	-515	-797	-3	0	0	-199								Tipo di acciaio non contemplato
1L	50	-515	718	-3	0	0	180								Tipo di acciaio non contemplato
1M	50	638	-797	3	0	0	-199								Tipo di acciaio non contemplato
1N	50	638	718	3	0	0	180								Tipo di acciaio non contemplato
1O	50	638	-797	-3	0	0	-199								Tipo di acciaio non contemplato
1P	50	638	718	-3	0	0	180								Tipo di acciaio non contemplato
2	50	-75	-820	-0	0	0	-205								Tipo di acciaio non contemplato
7	50	-88	-796	-0	0	0	-199								Tipo di acciaio non contemplato
8	50	-32	-595	0	0	0	-148								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota

	kg	kg*m		kg/cmq
1A	-254	1	32	Tipo di acciaio non contemplato
1B	-254	1	25	Tipo di acciaio non contemplato
1C	-254	1	32	Tipo di acciaio non contemplato
1D	-254	1	25	Tipo di acciaio non contemplato
1E	377	1	32	Tipo di acciaio non contemplato
1F	377	1	25	Tipo di acciaio non contemplato
1G	377	1	32	Tipo di acciaio non contemplato
1H	377	1	25	Tipo di acciaio non contemplato
1I	-515	0	80	Tipo di acciaio non contemplato
1J	-515	0	72	Tipo di acciaio non contemplato
1K	-515	0	80	Tipo di acciaio non contemplato
1L	-515	0	72	Tipo di acciaio non contemplato
1M	638	0	80	Tipo di acciaio non contemplato
1N	638	0	72	Tipo di acciaio non contemplato
1O	638	0	80	Tipo di acciaio non contemplato
1P	638	0	72	Tipo di acciaio non contemplato
2	-75	0	82	Tipo di acciaio non contemplato
7	-88	0	80	Tipo di acciaio non contemplato
8	-32	0	59	Tipo di acciaio non contemplato

ASTA NUM. 86 NI 332 NF 340 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-277	-343	9	0	0	86								Tipo di acciaio non contemplato
1B	0	-277	328	9	0	0	-82								Tipo di acciaio non contemplato
1C	0	-277	-343	-10	0	0	86								Tipo di acciaio non contemplato
1D	0	-277	328	-10	0	0	-82								Tipo di acciaio non contemplato
1E	0	411	-343	9	0	0	86								Tipo di acciaio non contemplato
1F	0	411	328	9	0	0	-82								Tipo di acciaio non contemplato
1G	0	411	-343	-10	0	0	86								Tipo di acciaio non contemplato
1H	0	411	328	-10	0	0	-82								Tipo di acciaio non contemplato
1I	0	-578	-800	6	0	0	200								Tipo di acciaio non contemplato
1J	0	-578	784	6	0	0	-196								Tipo di acciaio non contemplato
1K	0	-578	-800	-6	0	0	200								Tipo di acciaio non contemplato
1L	0	-578	784	-6	0	0	-196								Tipo di acciaio non contemplato
1M	0	712	-800	6	0	0	200								Tipo di acciaio non contemplato
1N	0	712	784	6	0	0	-196								Tipo di acciaio non contemplato
1O	0	712	-800	-6	0	0	200								Tipo di acciaio non contemplato
1P	0	712	784	-6	0	0	-196								Tipo di acciaio non contemplato
2	0	-142	-605	1	0	0	152								Tipo di acciaio non contemplato
7	0	-141	-606	1	0	0	152								Tipo di acciaio non contemplato
8	0	-75	-428	1	0	0	108								Tipo di acciaio non contemplato
1A	25	-277	-346	9	0	3	0								Tipo di acciaio non contemplato
1B	25	-277	326	9	0	3	0								Tipo di acciaio non contemplato
1C	25	-277	-346	-10	0	-3	0								Tipo di acciaio non contemplato
1D	25	-277	326	-10	0	-3	0								Tipo di acciaio non contemplato
1E	25	411	-346	9	0	3	0								Tipo di acciaio non contemplato
1F	25	411	326	9	0	3	0								Tipo di acciaio non contemplato
1G	25	411	-346	-10	0	-3	0								Tipo di acciaio non contemplato
1H	25	411	326	-10	0	-3	0								Tipo di acciaio non contemplato
1I	25	-578	-802	6	0	2	0								Tipo di acciaio non contemplato
1J	25	-578	782	6	0	2	0								Tipo di acciaio non contemplato
1K	25	-578	-802	-6	0	-2	0								Tipo di acciaio non contemplato
1L	25	-578	782	-6	0	-2	0								Tipo di acciaio non contemplato
1M	25	712	-802	6	0	2	0								Tipo di acciaio non contemplato
1N	25	712	782	6	0	2	0								Tipo di acciaio non contemplato
1O	25	712	-802	-6	0	-2	0								Tipo di acciaio non contemplato
1P	25	712	782	-6	0	-2	0								Tipo di acciaio non contemplato
2	25	-142	-608	1	0	0	0								Tipo di acciaio non contemplato
7	25	-141	-609	1	0	0	0								Tipo di acciaio non contemplato
8	25	-75	-431	1	0	0	0								Tipo di acciaio non contemplato
1A	50	-277	-348	9	0	5	-87								Tipo di acciaio non contemplato
1B	50	-277	323	9	0	5	81								Tipo di acciaio non contemplato
1C	50	-277	-348	-10	0	-5	-87								Tipo di acciaio non contemplato
1D	50	-277	323	-10	0	-5	81								Tipo di acciaio non contemplato
1E	50	411	-348	9	0	5	-87								Tipo di acciaio non contemplato
1F	50	411	323	9	0	5	81								Tipo di acciaio non contemplato
1G	50	411	-348	-10	0	-5	-87								Tipo di acciaio non contemplato
1H	50	411	323	-10	0	-5	81								Tipo di acciaio non contemplato
1I	50	-578	-804	6	0	3	-201								Tipo di acciaio non contemplato
1J	50	-578	780	6	0	3	195								Tipo di acciaio non contemplato
1K	50	-578	-804	-6	0	-3	-201								Tipo di acciaio non contemplato
1L	50	-578	780	-6	0	-3	195								Tipo di acciaio non contemplato
1M	50	712	-804	6	0	3	-201								Tipo di acciaio non contemplato
1N	50	712	780	6	0	3	195								Tipo di acciaio non contemplato
1O	50	712	-804	-6	0	-3	-201								Tipo di acciaio non contemplato
1P	50	712	780	-6	0	-3	195								Tipo di acciaio non contemplato
2	50	-142	-611	1	0	0	-152								Tipo di acciaio non contemplato
7	50	-141	-612	1	0	0	-153								Tipo di acciaio non contemplato
8	50	-75	-434	1	0	0	-108								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-277	3	35								Tipo di acciaio non contemplato
1B	-277	3	33								Tipo di acciaio non contemplato
1C	-277	3	35								Tipo di acciaio non contemplato
1D	-277	3	33								Tipo di acciaio non contemplato
1E	411	3	35								Tipo di acciaio non contemplato
1F	411	3	33								Tipo di acciaio non contemplato
1G	411	3	35								Tipo di acciaio non contemplato
1H	411	3	33								Tipo di acciaio non contemplato
1I	-578	2	80								Tipo di acciaio non contemplato
1J	-578	2	78								Tipo di acciaio non contemplato
1K	-578	2	80								Tipo di acciaio non contemplato
1L	-578	2	78								Tipo di acciaio non contemplato
1M	712	2	80								Tipo di acciaio non contemplato
1N	712	2	78								Tipo di acciaio non contemplato
1O	712	2	80								Tipo di acciaio non contemplato
1P	712	2	78								Tipo di acciaio non contemplato
2	-142	0	61								Tipo di acciaio non contemplato
7	-141	0	61								Tipo di acciaio non contemplato
8	-75	0	43								Tipo di acciaio non contemplato

ASTA NUM. 87 NI 191 NF 199 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-247	-145	12	0	0	37								Tipo di acciaio non contemplato
1B	0	-247	139	12	0	0	-34								Tipo di acciaio non contemplato
1C	0	-247	-145	-10	0	0	37								Tipo di acciaio non contemplato
1D	0	-247	139	-10	0	0	-34								Tipo di acciaio non contemplato
1E	0	318	-145	12	0	0	37								Tipo di acciaio non contemplato
1F	0	318	139	12	0	0	-34								Tipo di acciaio non contemplato
1G	0	318	-145	-10	0	0	37								Tipo di acciaio non contemplato
1H	0	318	139	-10	0	0	-34								Tipo di acciaio non contemplato
1I	0	-127	-95	11	0	0	24								Tipo di acciaio non contemplato
1J	0	-127	89	11	0	0	-22								Tipo di acciaio non contemplato
1K	0	-127	-95	-10	0	0	24								Tipo di acciaio non contemplato
1L	0	-127	89	-10	0	0	-22								Tipo di acciaio non contemplato
1M	0	198	-95	11	0	0	24								Tipo di acciaio non contemplato
1N	0	198	89	11	0	0	-22								Tipo di acciaio non contemplato
1O	0	198	-95	-10	0	0	24								Tipo di acciaio non contemplato
1P	0	198	89	-10	0	0	-22								Tipo di acciaio non contemplato
2	0	216	-295	5	0	0	74								Tipo di acciaio non contemplato
7	0	203	-243	4	0	0	61								Tipo di acciaio non contemplato
8	0	166	-255	4	0	0	64								Tipo di acciaio non contemplato
1A	25	-247	-147	12	0	-3	0								Tipo di acciaio non contemplato
1B	25	-247	137	12	0	-3	0								Tipo di acciaio non contemplato
1C	25	-247	-147	-10	0	3	0								Tipo di acciaio non contemplato
1D	25	-247	137	-10	0	3	0								Tipo di acciaio non contemplato
1E	25	318	-147	12	0	-3	0								Tipo di acciaio non contemplato
1F	25	318	137	12	0	-3	0								Tipo di acciaio non contemplato
1G	25	318	-147	-10	0	3	0								Tipo di acciaio non contemplato
1H	25	318	137	-10	0	3	0								Tipo di acciaio non contemplato
1I	25	-127	-98	11	0	-2	0								Tipo di acciaio non contemplato
1J	25	-127	87	11	0	-2	0								Tipo di acciaio non contemplato
1K	25	-127	-98	-10	0	2	0								Tipo di acciaio non contemplato
1L	25	-127	87	-10	0	2	0								Tipo di acciaio non contemplato
1M	25	198	-98	11	0	-2	0								Tipo di acciaio non contemplato
1N	25	198	87	11	0	-2	0								Tipo di acciaio non contemplato
1O	25	198	-98	-10	0	2	0								Tipo di acciaio non contemplato
1P	25	198	87	-10	0	2	0								Tipo di acciaio non contemplato
2	25	216	-298	5	0	0	0								Tipo di acciaio non contemplato
7	25	203	-246	4	0	0	0								Tipo di acciaio non contemplato
8	25	166	-258	4	0	0	0								Tipo di acciaio non contemplato
1A	50	-247	-150	12	0	-6	-37								Tipo di acciaio non contemplato
1B	50	-247	134	12	0	-6	34								Tipo di acciaio non contemplato
1C	50	-247	-150	-10	0	5	-37								Tipo di acciaio non contemplato
1D	50	-247	134	-10	0	5	34								Tipo di acciaio non contemplato
1E	50	318	-150	12	0	-6	-37								Tipo di acciaio non contemplato
1F	50	318	134	12	0	-6	34								Tipo di acciaio non contemplato
1G	50	318	-150	-10	0	5	-37								Tipo di acciaio non contemplato
1H	50	318	134	-10	0	5	34								Tipo di acciaio non contemplato
1I	50	-127	-100	11	0	-5	-25								Tipo di acciaio non contemplato
1J	50	-127	85	11	0	-5	22								Tipo di acciaio non contemplato
1K	50	-127	-100	-10	0	5	-25								Tipo di acciaio non contemplato
1L	50	-127	85	-10	0	5	22								Tipo di acciaio non contemplato
1M	50	198	-100	11	0	-5	-25								Tipo di acciaio non contemplato
1N	50	198	85	11	0	-5	22								Tipo di acciaio non contemplato
1O	50	198	-100	-10	0	5	-25								Tipo di acciaio non contemplato
1P	50	198	85	-10	0	5	22								Tipo di acciaio non contemplato
2	50	216	-300	5	0	-1	-75								Tipo di acciaio non contemplato
7	50	203	-248	4	0	-1	-62								Tipo di acciaio non contemplato
8	50	166	-261	4	0	-1	-65								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-247	3	15								Tipo di acciaio non contemplato
1B	-247	3	14								Tipo di acciaio non contemplato
1C	-247	3	15								Tipo di acciaio non contemplato
1D	-247	3	14								Tipo di acciaio non contemplato
1E	318	3	15								Tipo di acciaio non contemplato
1F	318	3	14								Tipo di acciaio non contemplato
1G	318	3	15								Tipo di acciaio non contemplato
1H	318	3	14								Tipo di acciaio non contemplato
1I	-127	3	10								Tipo di acciaio non contemplato
1J	-127	3	9								Tipo di acciaio non contemplato
1K	-127	3	10								Tipo di acciaio non contemplato
1L	-127	3	9								Tipo di acciaio non contemplato
1M	198	3	10								Tipo di acciaio non contemplato
1N	198	3	9								Tipo di acciaio non contemplato
1O	198	3	10								Tipo di acciaio non contemplato
1P	198	3	9								Tipo di acciaio non contemplato
2	216	1	30								Tipo di acciaio non contemplato
7	203	0	25								Tipo di acciaio non contemplato
8	166	0	26								Tipo di acciaio non contemplato

ASTA NUM. 88 NI 211 NF 219 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-194	-218	7	0	0	55								Tipo di acciaio non contemplato
1B	0	-194	56	7	0	0	-14								Tipo di acciaio non contemplato
1C	0	-194	-218	-5	0	0	55								Tipo di acciaio non contemplato
1D	0	-194	56	-5	0	0	-14								Tipo di acciaio non contemplato
1E	0	309	-218	7	0	0	55								Tipo di acciaio non contemplato
1F	0	309	56	7	0	0	-14								Tipo di acciaio non contemplato
1G	0	309	-218	-5	0	0	55								Tipo di acciaio non contemplato
1H	0	309	56	-5	0	0	-14								Tipo di acciaio non contemplato
1I	0	-65	-274	7	0	0	69								Tipo di acciaio non contemplato
1J	0	-65	112	7	0	0	-28								Tipo di acciaio non contemplato
1K	0	-65	-274	-5	0	0	69								Tipo di acciaio non contemplato
1L	0	-65	112	-5	0	0	-28								Tipo di acciaio non contemplato
1M	0	180	-274	7	0	0	69								Tipo di acciaio non contemplato
1N	0	180	112	7	0	0	-28								Tipo di acciaio non contemplato
1O	0	180	-274	-5	0	0	69								Tipo di acciaio non contemplato
1P	0	180	112	-5	0	0	-28								Tipo di acciaio non contemplato
2	0	440	-753	5	0	0	188								Tipo di acciaio non contemplato
7	0	406	-658	4	0	0	165								Tipo di acciaio non contemplato
8	0	333	-570	4	0	0	143								Tipo di acciaio non contemplato
1A	25	-194	-220	7	0	-1	0								Tipo di acciaio non contemplato
1B	25	-194	54	7	0	-1	0								Tipo di acciaio non contemplato
1C	25	-194	-220	-5	0	1	0								Tipo di acciaio non contemplato
1D	25	-194	54	-5	0	1	0								Tipo di acciaio non contemplato
1E	25	309	-220	7	0	-1	0								Tipo di acciaio non contemplato
1F	25	309	54	7	0	-1	0								Tipo di acciaio non contemplato
1G	25	309	-220	-5	0	1	0								Tipo di acciaio non contemplato
1H	25	309	54	-5	0	1	0								Tipo di acciaio non contemplato
1I	25	-65	-276	7	0	-1	0								Tipo di acciaio non contemplato
1J	25	-65	110	7	0	-1	0								Tipo di acciaio non contemplato
1K	25	-65	-276	-5	0	1	0								Tipo di acciaio non contemplato
1L	25	-65	110	-5	0	1	0								Tipo di acciaio non contemplato
1M	25	180	-276	7	0	-1	0								Tipo di acciaio non contemplato
1N	25	180	110	7	0	-1	0								Tipo di acciaio non contemplato
1O	25	180	-276	-5	0	1	0								Tipo di acciaio non contemplato
1P	25	180	110	-5	0	1	0								Tipo di acciaio non contemplato
2	25	440	-756	5	0	0	0								Tipo di acciaio non contemplato
7	25	406	-661	4	0	0	0								Tipo di acciaio non contemplato
8	25	333	-573	4	0	0	0								Tipo di acciaio non contemplato
1A	50	-194	-223	7	0	-3	-55								Tipo di acciaio non contemplato
1B	50	-194	52	7	0	-3	13								Tipo di acciaio non contemplato
1C	50	-194	-223	-5	0	3	-55								Tipo di acciaio non contemplato
1D	50	-194	52	-5	0	3	13								Tipo di acciaio non contemplato
1E	50	309	-223	7	0	-3	-55								Tipo di acciaio non contemplato
1F	50	309	52	7	0	-3	13								Tipo di acciaio non contemplato
1G	50	309	-223	-5	0	3	-55								Tipo di acciaio non contemplato
1H	50	309	52	-5	0	3	13								Tipo di acciaio non contemplato
1I	50	-65	-279	7	0	-3	-69								Tipo di acciaio non contemplato
1J	50	-65	108	7	0	-3	27								Tipo di acciaio non contemplato
1K	50	-65	-279	-5	0	2	-69								Tipo di acciaio non contemplato
1L	50	-65	108	-5	0	2	27								Tipo di acciaio non contemplato
1M	50	180	-279	7	0	-3	-69								Tipo di acciaio non contemplato
1N	50	180	108	7	0	-3	27								Tipo di acciaio non contemplato
1O	50	180	-279	-5	0	2	-69								Tipo di acciaio non contemplato
1P	50	180	108	-5	0	2	27								Tipo di acciaio non contemplato
2	50	440	-758	5	0	-1	-189								Tipo di acciaio non contemplato
7	50	406	-664	4	0	-1	-166								Tipo di acciaio non contemplato
8	50	333	-576	4	0	-1	-144								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-194	2	22								Tipo di acciaio non contemplato
1B	-194	2	5								Tipo di acciaio non contemplato
1C	-194	2	22								Tipo di acciaio non contemplato
1D	-194	2	5								Tipo di acciaio non contemplato
1E	309	2	22								Tipo di acciaio non contemplato
1F	309	2	5								Tipo di acciaio non contemplato
1G	309	2	22								Tipo di acciaio non contemplato
1H	309	2	5								Tipo di acciaio non contemplato
1I	-65	2	28								Tipo di acciaio non contemplato
1J	-65	2	11								Tipo di acciaio non contemplato
1K	-65	1	28								Tipo di acciaio non contemplato
1L	-65	1	11								Tipo di acciaio non contemplato
1M	180	2	28								Tipo di acciaio non contemplato
1N	180	2	11								Tipo di acciaio non contemplato
1O	180	1	28								Tipo di acciaio non contemplato
1P	180	1	11								Tipo di acciaio non contemplato
2	440	1	76								Tipo di acciaio non contemplato
7	406	0	66								Tipo di acciaio non contemplato
8	333	0	58								Tipo di acciaio non contemplato

ASTA NUM. 89 NI 251 NF 259 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-130	-382	35	0	1	96								Tipo di acciaio non contemplato
1B	0	-130	173	35	0	1	-43								Tipo di acciaio non contemplato
1C	0	-130	-382	-31	0	0	96								Tipo di acciaio non contemplato
1D	0	-130	173	-31	0	0	-43								Tipo di acciaio non contemplato
1E	0	305	-382	35	0	1	96								Tipo di acciaio non contemplato
1F	0	305	173	35	0	1	-43								Tipo di acciaio non contemplato
1G	0	305	-382	-31	0	0	96								Tipo di acciaio non contemplato
1H	0	305	173	-31	0	0	-43								Tipo di acciaio non contemplato
1I	0	-56	-463	19	0	1	116								Tipo di acciaio non contemplato
1J	0	-56	253	19	0	1	-63								Tipo di acciaio non contemplato
1K	0	-56	-463	-15	0	-1	116								Tipo di acciaio non contemplato
1L	0	-56	253	-15	0	-1	-63								Tipo di acciaio non contemplato
1M	0	231	-463	19	0	1	116								Tipo di acciaio non contemplato
1N	0	231	253	19	0	1	-63								Tipo di acciaio non contemplato
1O	0	231	-463	-15	0	-1	116								Tipo di acciaio non contemplato
1P	0	231	253	-15	0	-1	-63								Tipo di acciaio non contemplato
2	0	687	-981	13	0	0	245								Tipo di acciaio non contemplato
7	0	631	-869	12	0	0	217								Tipo di acciaio non contemplato
8	0	514	-735	10	0	0	184								Tipo di acciaio non contemplato
1A	25	-130	-385	35	0	-8	0								Tipo di acciaio non contemplato
1B	25	-130	170	35	0	-8	0								Tipo di acciaio non contemplato
1C	25	-130	-385	-31	0	7	0								Tipo di acciaio non contemplato
1D	25	-130	170	-31	0	7	0								Tipo di acciaio non contemplato
1E	25	305	-385	35	0	-8	0								Tipo di acciaio non contemplato
1F	25	305	170	35	0	-8	0								Tipo di acciaio non contemplato
1G	25	305	-385	-31	0	7	0								Tipo di acciaio non contemplato
1H	25	305	170	-31	0	7	0								Tipo di acciaio non contemplato
1I	25	-56	-465	19	0	-4	0								Tipo di acciaio non contemplato
1J	25	-56	251	19	0	-4	0								Tipo di acciaio non contemplato
1K	25	-56	-465	-15	0	3	0								Tipo di acciaio non contemplato
1L	25	-56	251	-15	0	3	0								Tipo di acciaio non contemplato
1M	25	231	-465	19	0	-4	0								Tipo di acciaio non contemplato
1N	25	231	251	19	0	-4	0								Tipo di acciaio non contemplato
1O	25	231	-465	-15	0	3	0								Tipo di acciaio non contemplato
1P	25	231	251	-15	0	3	0								Tipo di acciaio non contemplato
2	25	687	-984	13	0	-3	0								Tipo di acciaio non contemplato
7	25	631	-872	12	0	-2	0								Tipo di acciaio non contemplato
8	25	514	-737	10	0	-2	0								Tipo di acciaio non contemplato
1A	50	-130	-387	35	0	-17	-96								Tipo di acciaio non contemplato
1B	50	-130	168	35	0	-17	43								Tipo di acciaio non contemplato
1C	50	-130	-387	-31	0	15	-96								Tipo di acciaio non contemplato
1D	50	-130	168	-31	0	15	43								Tipo di acciaio non contemplato
1E	50	305	-387	35	0	-17	-96								Tipo di acciaio non contemplato
1F	50	305	168	35	0	-17	43								Tipo di acciaio non contemplato
1G	50	305	-387	-31	0	15	-96								Tipo di acciaio non contemplato
1H	50	305	168	-31	0	15	43								Tipo di acciaio non contemplato
1I	50	-56	-467	19	0	-9	-117								Tipo di acciaio non contemplato
1J	50	-56	249	19	0	-9	63								Tipo di acciaio non contemplato
1K	50	-56	-467	-15	0	7	-117								Tipo di acciaio non contemplato
1L	50	-56	249	-15	0	7	63								Tipo di acciaio non contemplato
1M	50	231	-467	19	0	-9	-117								Tipo di acciaio non contemplato
1N	50	231	249	19	0	-9	63								Tipo di acciaio non contemplato
1O	50	231	-467	-15	0	7	-117								Tipo di acciaio non contemplato
1P	50	231	249	-15	0	7	63								Tipo di acciaio non contemplato
2	50	687	-987	13	0	-6	-247								Tipo di acciaio non contemplato
7	50	631	-874	12	0	-5	-218								Tipo di acciaio non contemplato

8	50	514	-740	10	0	-5	-185		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-130	9	39								Tipo di acciaio non contemplato
1B	-130	9	17								Tipo di acciaio non contemplato
1C	-130	8	39								Tipo di acciaio non contemplato
1D	-130	8	17								Tipo di acciaio non contemplato
1E	305	9	39								Tipo di acciaio non contemplato
1F	305	9	17								Tipo di acciaio non contemplato
1G	305	8	39								Tipo di acciaio non contemplato
1H	305	8	17								Tipo di acciaio non contemplato
1I	-56	5	47								Tipo di acciaio non contemplato
1J	-56	5	25								Tipo di acciaio non contemplato
1K	-56	3	47								Tipo di acciaio non contemplato
1L	-56	3	25								Tipo di acciaio non contemplato
1M	231	5	47								Tipo di acciaio non contemplato
1N	231	5	25								Tipo di acciaio non contemplato
1O	231	3	47								Tipo di acciaio non contemplato
1P	231	3	25								Tipo di acciaio non contemplato
2	687	4	99								Tipo di acciaio non contemplato
7	631	3	87								Tipo di acciaio non contemplato
8	514	3	74								Tipo di acciaio non contemplato

ASTA NUM. 90 NI 291 NF 299 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-132	-274	24	0	1	69								Tipo di acciaio non contemplato
1B	0	-132	218	24	0	1	-54								Tipo di acciaio non contemplato
1C	0	-132	-274	-21	0	0	69								Tipo di acciaio non contemplato
1D	0	-132	218	-21	0	0	-54								Tipo di acciaio non contemplato
1E	0	308	-274	24	0	1	69								Tipo di acciaio non contemplato
1F	0	308	218	24	0	1	-54								Tipo di acciaio non contemplato
1G	0	308	-274	-21	0	0	69								Tipo di acciaio non contemplato
1H	0	308	218	-21	0	0	-54								Tipo di acciaio non contemplato
1I	0	13	-658	15	0	1	164								Tipo di acciaio non contemplato
1J	0	13	602	15	0	1	-150								Tipo di acciaio non contemplato
1K	0	13	-658	-11	0	-1	164								Tipo di acciaio non contemplato
1L	0	13	602	-11	0	-1	-150								Tipo di acciaio non contemplato
1M	0	163	-658	15	0	1	164								Tipo di acciaio non contemplato
1N	0	163	602	15	0	1	-150								Tipo di acciaio non contemplato
1O	0	163	-658	-11	0	-1	164								Tipo di acciaio non contemplato
1P	0	163	602	-11	0	-1	-150								Tipo di acciaio non contemplato
2	0	585	-606	8	0	0	152								Tipo di acciaio non contemplato
7	0	554	-586	7	0	0	147								Tipo di acciaio non contemplato
8	0	445	-439	6	0	0	110								Tipo di acciaio non contemplato
1A	25	-132	-276	24	0	-5	0								Tipo di acciaio non contemplato
1B	25	-132	216	24	0	-5	0								Tipo di acciaio non contemplato
1C	25	-132	-276	-21	0	4	0								Tipo di acciaio non contemplato
1D	25	-132	216	-21	0	4	0								Tipo di acciaio non contemplato
1E	25	308	-276	24	0	-5	0								Tipo di acciaio non contemplato
1F	25	308	216	24	0	-5	0								Tipo di acciaio non contemplato
1G	25	308	-276	-21	0	4	0								Tipo di acciaio non contemplato
1H	25	308	216	-21	0	4	0								Tipo di acciaio non contemplato
1I	25	13	-660	15	0	-2	0								Tipo di acciaio non contemplato
1J	25	13	600	15	0	-2	0								Tipo di acciaio non contemplato
1K	25	13	-660	-11	0	2	0								Tipo di acciaio non contemplato
1L	25	13	600	-11	0	2	0								Tipo di acciaio non contemplato
1M	25	163	-660	15	0	-2	0								Tipo di acciaio non contemplato
1N	25	163	600	15	0	-2	0								Tipo di acciaio non contemplato
1O	25	163	-660	-11	0	2	0								Tipo di acciaio non contemplato
1P	25	163	600	-11	0	2	0								Tipo di acciaio non contemplato
2	25	585	-609	8	0	-2	0								Tipo di acciaio non contemplato
7	25	554	-589	7	0	-1	0								Tipo di acciaio non contemplato
8	25	445	-442	6	0	-1	0								Tipo di acciaio non contemplato
1A	50	-132	-278	24	0	-11	-69								Tipo di acciaio non contemplato
1B	50	-132	213	24	0	-11	54								Tipo di acciaio non contemplato
1C	50	-132	-278	-21	0	10	-69								Tipo di acciaio non contemplato
1D	50	-132	213	-21	0	10	54								Tipo di acciaio non contemplato
1E	50	308	-278	24	0	-11	-69								Tipo di acciaio non contemplato
1F	50	308	213	24	0	-11	54								Tipo di acciaio non contemplato
1G	50	308	-278	-21	0	10	-69								Tipo di acciaio non contemplato
1H	50	308	213	-21	0	10	54								Tipo di acciaio non contemplato
1I	50	13	-662	15	0	-6	-166								Tipo di acciaio non contemplato
1J	50	13	598	15	0	-6	150								Tipo di acciaio non contemplato
1K	50	13	-662	-11	0	5	-166								Tipo di acciaio non contemplato
1L	50	13	598	-11	0	5	150								Tipo di acciaio non contemplato
1M	50	163	-662	15	0	-6	-166								Tipo di acciaio non contemplato
1N	50	163	598	15	0	-6	150								Tipo di acciaio non contemplato
1O	50	163	-662	-11	0	5	-166								Tipo di acciaio non contemplato
1P	50	163	598	-11	0	5	150								Tipo di acciaio non contemplato

2	50	585	-612	8	0	-4	-153	Tipo di acciaio non contemplato
7	50	554	-592	7	0	-3	-148	Tipo di acciaio non contemplato
8	50	445	-445	6	0	-3	-111	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-132	6	28								Tipo di acciaio non contemplato
1B	-132	6	22								Tipo di acciaio non contemplato
1C	-132	5	28								Tipo di acciaio non contemplato
1D	-132	5	22								Tipo di acciaio non contemplato
1E	308	6	28								Tipo di acciaio non contemplato
1F	308	6	22								Tipo di acciaio non contemplato
1G	308	5	28								Tipo di acciaio non contemplato
1H	308	5	22								Tipo di acciaio non contemplato
1I	13	3	66								Tipo di acciaio non contemplato
1J	13	3	60								Tipo di acciaio non contemplato
1K	13	2	66								Tipo di acciaio non contemplato
1L	13	2	60								Tipo di acciaio non contemplato
1M	163	3	66								Tipo di acciaio non contemplato
1N	163	3	60								Tipo di acciaio non contemplato
1O	163	2	66								Tipo di acciaio non contemplato
1P	163	2	60								Tipo di acciaio non contemplato
2	585	2	61								Tipo di acciaio non contemplato
7	554	2	59								Tipo di acciaio non contemplato
8	445	2	44								Tipo di acciaio non contemplato

ASTA NUM. 91 NI 331 NF 339 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-217	-283	14	0	0	71								Tipo di acciaio non contemplato
1B	0	-217	272	14	0	0	-67								Tipo di acciaio non contemplato
1C	0	-217	-283	-14	0	0	71								Tipo di acciaio non contemplato
1D	0	-217	272	-14	0	0	-67								Tipo di acciaio non contemplato
1E	0	350	-283	14	0	0	71								Tipo di acciaio non contemplato
1F	0	350	272	14	0	0	-67								Tipo di acciaio non contemplato
1G	0	350	-283	-14	0	0	71								Tipo di acciaio non contemplato
1H	0	350	272	-14	0	0	-67								Tipo di acciaio non contemplato
1I	0	-90	-633	8	0	0	158								Tipo di acciaio non contemplato
1J	0	-90	622	8	0	0	-154								Tipo di acciaio non contemplato
1K	0	-90	-633	-8	0	0	158								Tipo di acciaio non contemplato
1L	0	-90	622	-8	0	0	-154								Tipo di acciaio non contemplato
1M	0	223	-633	8	0	0	158								Tipo di acciaio non contemplato
1N	0	223	622	8	0	0	-154								Tipo di acciaio non contemplato
1O	0	223	-633	-8	0	0	158								Tipo di acciaio non contemplato
1P	0	223	622	-8	0	0	-154								Tipo di acciaio non contemplato
2	0	376	-441	1	0	0	110								Tipo di acciaio non contemplato
7	0	377	-442	1	0	0	111								Tipo di acciaio non contemplato
8	0	289	-312	1	0	0	78								Tipo di acciaio non contemplato
1A	25	-217	-286	14	0	-3	0								Tipo di acciaio non contemplato
1B	25	-217	270	14	0	-3	0								Tipo di acciaio non contemplato
1C	25	-217	-286	-14	0	3	0								Tipo di acciaio non contemplato
1D	25	-217	270	-14	0	3	0								Tipo di acciaio non contemplato
1E	25	350	-286	14	0	-3	0								Tipo di acciaio non contemplato
1F	25	350	270	14	0	-3	0								Tipo di acciaio non contemplato
1G	25	350	-286	-14	0	3	0								Tipo di acciaio non contemplato
1H	25	350	270	-14	0	3	0								Tipo di acciaio non contemplato
1I	25	-90	-635	8	0	-2	0								Tipo di acciaio non contemplato
1J	25	-90	619	8	0	-2	0								Tipo di acciaio non contemplato
1K	25	-90	-635	-8	0	2	0								Tipo di acciaio non contemplato
1L	25	-90	619	-8	0	2	0								Tipo di acciaio non contemplato
1M	25	223	-635	8	0	-2	0								Tipo di acciaio non contemplato
1N	25	223	619	8	0	-2	0								Tipo di acciaio non contemplato
1O	25	223	-635	-8	0	2	0								Tipo di acciaio non contemplato
1P	25	223	619	-8	0	2	0								Tipo di acciaio non contemplato
2	25	376	-444	1	0	0	0								Tipo di acciaio non contemplato
7	25	377	-445	1	0	0	0								Tipo di acciaio non contemplato
8	25	289	-315	1	0	0	0								Tipo di acciaio non contemplato
1A	50	-217	-288	14	0	-7	-72								Tipo di acciaio non contemplato
1B	50	-217	268	14	0	-7	68								Tipo di acciaio non contemplato
1C	50	-217	-288	-14	0	7	-72								Tipo di acciaio non contemplato
1D	50	-217	268	-14	0	7	68								Tipo di acciaio non contemplato
1E	50	350	-288	14	0	-7	-72								Tipo di acciaio non contemplato
1F	50	350	268	14	0	-7	68								Tipo di acciaio non contemplato
1G	50	350	-288	-14	0	7	-72								Tipo di acciaio non contemplato
1H	50	350	268	-14	0	7	68								Tipo di acciaio non contemplato
1I	50	-90	-637	8	0	-4	-159								Tipo di acciaio non contemplato
1J	50	-90	617	8	0	-4	155								Tipo di acciaio non contemplato
1K	50	-90	-637	-8	0	4	-159								Tipo di acciaio non contemplato
1L	50	-90	617	-8	0	4	155								Tipo di acciaio non contemplato
1M	50	223	-637	8	0	-4	-159								Tipo di acciaio non contemplato
1N	50	223	617	8	0	-4	155								Tipo di acciaio non contemplato

1O	50	223	-637	-8	0	4	-159	Tipo di acciaio non contemplato
1P	50	223	617	-8	0	4	155	Tipo di acciaio non contemplato
2	50	376	-447	1	0	0	-111	Tipo di acciaio non contemplato
7	50	377	-448	1	0	0	-112	Tipo di acciaio non contemplato
8	50	289	-318	1	0	0	-79	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-217	4	29								Tipo di acciaio non contemplato
1B	-217	4	27								Tipo di acciaio non contemplato
1C	-217	4	29								Tipo di acciaio non contemplato
1D	-217	4	27								Tipo di acciaio non contemplato
1E	350	4	29								Tipo di acciaio non contemplato
1F	350	4	27								Tipo di acciaio non contemplato
1G	350	4	29								Tipo di acciaio non contemplato
1H	350	4	27								Tipo di acciaio non contemplato
1I	-90	2	64								Tipo di acciaio non contemplato
1J	-90	2	62								Tipo di acciaio non contemplato
1K	-90	2	64								Tipo di acciaio non contemplato
1L	-90	2	62								Tipo di acciaio non contemplato
1M	223	2	64								Tipo di acciaio non contemplato
1N	223	2	62								Tipo di acciaio non contemplato
1O	223	2	64								Tipo di acciaio non contemplato
1P	223	2	62								Tipo di acciaio non contemplato
2	376	0	45								Tipo di acciaio non contemplato
7	377	0	45								Tipo di acciaio non contemplato
8	289	0	32								Tipo di acciaio non contemplato

ASTA NUM. 92 NI 190 NF 198 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-191	-120	5	0	0	30								Tipo di acciaio non contemplato
1B	0	-191	110	5	0	0	-27								Tipo di acciaio non contemplato
1C	0	-191	-120	-6	0	0	30								Tipo di acciaio non contemplato
1D	0	-191	110	-6	0	0	-27								Tipo di acciaio non contemplato
1E	0	250	-120	5	0	0	30								Tipo di acciaio non contemplato
1F	0	250	110	5	0	0	-27								Tipo di acciaio non contemplato
1G	0	250	-120	-6	0	0	30								Tipo di acciaio non contemplato
1H	0	250	110	-6	0	0	-27								Tipo di acciaio non contemplato
1I	0	-96	-91	4	0	0	23								Tipo di acciaio non contemplato
1J	0	-96	82	4	0	0	-20								Tipo di acciaio non contemplato
1K	0	-96	-91	-5	0	0	23								Tipo di acciaio non contemplato
1L	0	-96	82	-5	0	0	-20								Tipo di acciaio non contemplato
1M	0	155	-91	4	0	0	23								Tipo di acciaio non contemplato
1N	0	155	82	4	0	0	-20								Tipo di acciaio non contemplato
1O	0	155	-91	-5	0	0	23								Tipo di acciaio non contemplato
1P	0	155	82	-5	0	0	-20								Tipo di acciaio non contemplato
2	0	7	-231	-2	0	0	58								Tipo di acciaio non contemplato
7	0	29	-190	-2	0	0	48								Tipo di acciaio non contemplato
8	0	-14	-198	-1	0	0	50								Tipo di acciaio non contemplato
1A	25	-191	-122	5	0	2	0								Tipo di acciaio non contemplato
1B	25	-191	108	5	0	2	0								Tipo di acciaio non contemplato
1C	25	-191	-122	-6	0	-2	0								Tipo di acciaio non contemplato
1D	25	-191	108	-6	0	-2	0								Tipo di acciaio non contemplato
1E	25	250	-122	5	0	2	0								Tipo di acciaio non contemplato
1F	25	250	108	5	0	2	0								Tipo di acciaio non contemplato
1G	25	250	-122	-6	0	-2	0								Tipo di acciaio non contemplato
1H	25	250	108	-6	0	-2	0								Tipo di acciaio non contemplato
1I	25	-96	-93	4	0	0	0								Tipo di acciaio non contemplato
1J	25	-96	79	4	0	0	0								Tipo di acciaio non contemplato
1K	25	-96	-93	-5	0	1	0								Tipo di acciaio non contemplato
1L	25	-96	79	-5	0	1	0								Tipo di acciaio non contemplato
1M	25	155	-93	4	0	0	0								Tipo di acciaio non contemplato
1N	25	155	79	4	0	0	0								Tipo di acciaio non contemplato
1O	25	155	-93	-5	0	1	0								Tipo di acciaio non contemplato
1P	25	155	79	-5	0	1	0								Tipo di acciaio non contemplato
2	25	7	-234	-2	0	0	0								Tipo di acciaio non contemplato
7	25	29	-193	-2	0	0	0								Tipo di acciaio non contemplato
8	25	-14	-201	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	-191	-124	5	0	3	-31								Tipo di acciaio non contemplato
1B	50	-191	106	5	0	3	27								Tipo di acciaio non contemplato
1C	50	-191	-124	-6	0	-3	-31								Tipo di acciaio non contemplato
1D	50	-191	106	-6	0	-3	27								Tipo di acciaio non contemplato
1E	50	250	-124	5	0	3	-31								Tipo di acciaio non contemplato
1F	50	250	106	5	0	3	27								Tipo di acciaio non contemplato
1G	50	250	-124	-6	0	-3	-31								Tipo di acciaio non contemplato
1H	50	250	106	-6	0	-3	27								Tipo di acciaio non contemplato
1I	50	-96	-95	4	0	-2	-23								Tipo di acciaio non contemplato
1J	50	-96	77	4	0	-2	20								Tipo di acciaio non contemplato
1K	50	-96	-95	-5	0	3	-23								Tipo di acciaio non contemplato
1L	50	-96	77	-5	0	3	20								Tipo di acciaio non contemplato

1M	50	155	-95	4	0	-2	-23						Tipo di acciaio non contemplato
1N	50	155	77	4	0	-2	20						Tipo di acciaio non contemplato
1O	50	155	-95	-5	0	3	-23						Tipo di acciaio non contemplato
1P	50	155	77	-5	0	3	20						Tipo di acciaio non contemplato
2	50	7	-236	-2	0	1	-59						Tipo di acciaio non contemplato
7	50	29	-196	-2	0	1	-48						Tipo di acciaio non contemplato
8	50	-14	-204	-1	0	1	-50						Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-191	2	12								Tipo di acciaio non contemplato
1B	-191	2	11								Tipo di acciaio non contemplato
1C	-191	2	12								Tipo di acciaio non contemplato
1D	-191	2	11								Tipo di acciaio non contemplato
1E	250	2	12								Tipo di acciaio non contemplato
1F	250	2	11								Tipo di acciaio non contemplato
1G	250	2	12								Tipo di acciaio non contemplato
1H	250	2	11								Tipo di acciaio non contemplato
1I	-96	1	9								Tipo di acciaio non contemplato
1J	-96	1	8								Tipo di acciaio non contemplato
1K	-96	2	9								Tipo di acciaio non contemplato
1L	-96	2	8								Tipo di acciaio non contemplato
1M	155	1	9								Tipo di acciaio non contemplato
1N	155	1	8								Tipo di acciaio non contemplato
1O	155	2	9								Tipo di acciaio non contemplato
1P	155	2	8								Tipo di acciaio non contemplato
2	7	1	23								Tipo di acciaio non contemplato
7	29	1	19								Tipo di acciaio non contemplato
8	-14	1	20								Tipo di acciaio non contemplato

ASTA NUM. 93 NI 210 NF 218 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-146	-230	11	0	0	58								Tipo di acciaio non contemplato
1B	0	-146	69	11	0	0	-17								Tipo di acciaio non contemplato
1C	0	-146	-230	-14	0	0	58								Tipo di acciaio non contemplato
1D	0	-146	69	-14	0	0	-17								Tipo di acciaio non contemplato
1E	0	249	-230	11	0	0	58								Tipo di acciaio non contemplato
1F	0	249	69	11	0	0	-17								Tipo di acciaio non contemplato
1G	0	249	-230	-14	0	0	58								Tipo di acciaio non contemplato
1H	0	249	69	-14	0	0	-17								Tipo di acciaio non contemplato
1I	0	-54	-275	8	0	0	69								Tipo di acciaio non contemplato
1J	0	-54	114	8	0	0	-28								Tipo di acciaio non contemplato
1K	0	-54	-275	-10	0	0	69								Tipo di acciaio non contemplato
1L	0	-54	114	-10	0	0	-28								Tipo di acciaio non contemplato
1M	0	157	-275	8	0	0	69								Tipo di acciaio non contemplato
1N	0	157	114	8	0	0	-28								Tipo di acciaio non contemplato
1O	0	157	-275	-10	0	0	69								Tipo di acciaio non contemplato
1P	0	157	114	-10	0	0	-28								Tipo di acciaio non contemplato
2	0	194	-659	-4	0	0	166								Tipo di acciaio non contemplato
7	0	164	-566	-4	0	0	142								Tipo di acciaio non contemplato
8	0	157	-505	-3	0	0	127								Tipo di acciaio non contemplato
1A	25	-146	-232	11	0	4	0								Tipo di acciaio non contemplato
1B	25	-146	67	11	0	4	0								Tipo di acciaio non contemplato
1C	25	-146	-232	-14	0	-3	0								Tipo di acciaio non contemplato
1D	25	-146	67	-14	0	-3	0								Tipo di acciaio non contemplato
1E	25	249	-232	11	0	4	0								Tipo di acciaio non contemplato
1F	25	249	67	11	0	4	0								Tipo di acciaio non contemplato
1G	25	249	-232	-14	0	-3	0								Tipo di acciaio non contemplato
1H	25	249	67	-14	0	-3	0								Tipo di acciaio non contemplato
1I	25	-54	-277	8	0	-2	0								Tipo di acciaio non contemplato
1J	25	-54	112	8	0	-2	0								Tipo di acciaio non contemplato
1K	25	-54	-277	-10	0	3	0								Tipo di acciaio non contemplato
1L	25	-54	112	-10	0	3	0								Tipo di acciaio non contemplato
1M	25	157	-277	8	0	-2	0								Tipo di acciaio non contemplato
1N	25	157	112	8	0	-2	0								Tipo di acciaio non contemplato
1O	25	157	-277	-10	0	3	0								Tipo di acciaio non contemplato
1P	25	157	112	-10	0	3	0								Tipo di acciaio non contemplato
2	25	194	-662	-4	0	1	0								Tipo di acciaio non contemplato
7	25	164	-569	-4	0	1	0								Tipo di acciaio non contemplato
8	25	157	-508	-3	0	0	0								Tipo di acciaio non contemplato
1A	50	-146	-235	11	0	7	-58								Tipo di acciaio non contemplato
1B	50	-146	64	11	0	7	17								Tipo di acciaio non contemplato
1C	50	-146	-235	-14	0	-6	-58								Tipo di acciaio non contemplato
1D	50	-146	64	-14	0	-6	17								Tipo di acciaio non contemplato
1E	50	249	-235	11	0	7	-58								Tipo di acciaio non contemplato
1F	50	249	64	11	0	7	17								Tipo di acciaio non contemplato
1G	50	249	-235	-14	0	-6	-58								Tipo di acciaio non contemplato
1H	50	249	64	-14	0	-6	17								Tipo di acciaio non contemplato
1I	50	-54	-279	8	0	-4	-69								Tipo di acciaio non contemplato
1J	50	-54	109	8	0	-4	28								Tipo di acciaio non contemplato

1K	50	-54	-279	-10	0	5	-69	Tipo di acciaio non contemplato
1L	50	-54	109	-10	0	5	28	Tipo di acciaio non contemplato
1M	50	157	-279	8	0	-4	-69	Tipo di acciaio non contemplato
1N	50	157	109	8	0	-4	28	Tipo di acciaio non contemplato
1O	50	157	-279	-10	0	5	-69	Tipo di acciaio non contemplato
1P	50	157	109	-10	0	5	28	Tipo di acciaio non contemplato
2	50	194	-665	-4	0	3	-166	Tipo di acciaio non contemplato
7	50	164	-572	-4	0	2	-142	Tipo di acciaio non contemplato
8	50	157	-510	-3	0	2	-127	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-146	4	23								Tipo di acciaio non contemplato
1B	-146	4	7								Tipo di acciaio non contemplato
1C	-146	4	23								Tipo di acciaio non contemplato
1D	-146	4	7								Tipo di acciaio non contemplato
1E	249	4	23								Tipo di acciaio non contemplato
1F	249	4	7								Tipo di acciaio non contemplato
1G	249	4	23								Tipo di acciaio non contemplato
1H	249	4	7								Tipo di acciaio non contemplato
1I	-54	2	28								Tipo di acciaio non contemplato
1J	-54	2	11								Tipo di acciaio non contemplato
1K	-54	3	28								Tipo di acciaio non contemplato
1L	-54	3	11								Tipo di acciaio non contemplato
1M	157	2	28								Tipo di acciaio non contemplato
1N	157	2	11								Tipo di acciaio non contemplato
1O	157	3	28								Tipo di acciaio non contemplato
1P	157	3	11								Tipo di acciaio non contemplato
2	194	2	66								Tipo di acciaio non contemplato
7	164	2	57								Tipo di acciaio non contemplato
8	157	1	51								Tipo di acciaio non contemplato

ASTA NUM. 94 NI 250 NF 258 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-80	-329	3	0	0	83								Tipo di acciaio non contemplato
1B	0	-80	122	3	0	0	-30								Tipo di acciaio non contemplato
1C	0	-80	-329	-3	0	0	83								Tipo di acciaio non contemplato
1D	0	-80	122	-3	0	0	-30								Tipo di acciaio non contemplato
1E	0	236	-329	3	0	0	83								Tipo di acciaio non contemplato
1F	0	236	122	3	0	0	-30								Tipo di acciaio non contemplato
1G	0	236	-329	-3	0	0	83								Tipo di acciaio non contemplato
1H	0	236	122	-3	0	0	-30								Tipo di acciaio non contemplato
1I	0	-7	-446	2	0	0	112								Tipo di acciaio non contemplato
1J	0	-7	238	2	0	0	-59								Tipo di acciaio non contemplato
1K	0	-7	-446	-3	0	0	112								Tipo di acciaio non contemplato
1L	0	-7	238	-3	0	0	-59								Tipo di acciaio non contemplato
1M	0	164	-446	2	0	0	112								Tipo di acciaio non contemplato
1N	0	164	238	2	0	0	-59								Tipo di acciaio non contemplato
1O	0	164	-446	-3	0	0	112								Tipo di acciaio non contemplato
1P	0	164	238	-3	0	0	-59								Tipo di acciaio non contemplato
2	0	341	-852	-0	0	0	214								Tipo di acciaio non contemplato
7	0	291	-742	-0	0	0	186								Tipo di acciaio non contemplato
8	0	268	-644	-0	0	0	162								Tipo di acciaio non contemplato
1A	25	-80	-332	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-80	119	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-80	-332	-3	0	0	0								Tipo di acciaio non contemplato
1D	25	-80	119	-3	0	0	0								Tipo di acciaio non contemplato
1E	25	236	-332	3	0	0	0								Tipo di acciaio non contemplato
1F	25	236	119	3	0	0	0								Tipo di acciaio non contemplato
1G	25	236	-332	-3	0	0	0								Tipo di acciaio non contemplato
1H	25	236	119	-3	0	0	0								Tipo di acciaio non contemplato
1I	25	-7	-448	2	0	0	0								Tipo di acciaio non contemplato
1J	25	-7	236	2	0	0	0								Tipo di acciaio non contemplato
1K	25	-7	-448	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-7	236	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	164	-448	2	0	0	0								Tipo di acciaio non contemplato
1N	25	164	236	2	0	0	0								Tipo di acciaio non contemplato
1O	25	164	-448	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	164	236	-3	0	0	0								Tipo di acciaio non contemplato
2	25	341	-855	-0	0	0	0								Tipo di acciaio non contemplato
7	25	291	-745	-0	0	0	0								Tipo di acciaio non contemplato
8	25	268	-647	-0	0	0	0								Tipo di acciaio non contemplato
1A	50	-80	-334	3	0	-1	-83								Tipo di acciaio non contemplato
1B	50	-80	117	3	0	-1	30								Tipo di acciaio non contemplato
1C	50	-80	-334	-3	0	1	-83								Tipo di acciaio non contemplato
1D	50	-80	117	-3	0	1	30								Tipo di acciaio non contemplato
1E	50	236	-334	3	0	-1	-83								Tipo di acciaio non contemplato
1F	50	236	117	3	0	-1	30								Tipo di acciaio non contemplato
1G	50	236	-334	-3	0	1	-83								Tipo di acciaio non contemplato
1H	50	236	117	-3	0	1	30								Tipo di acciaio non contemplato

1I	50	-7	-450	2	0	0	-112	Tipo di acciaio non contemplato
1J	50	-7	234	2	0	0	59	Tipo di acciaio non contemplato
1K	50	-7	-450	-3	0	0	-112	Tipo di acciaio non contemplato
1L	50	-7	234	-3	0	0	59	Tipo di acciaio non contemplato
1M	50	164	-450	2	0	0	-112	Tipo di acciaio non contemplato
1N	50	164	234	2	0	0	59	Tipo di acciaio non contemplato
1O	50	164	-450	-3	0	0	-112	Tipo di acciaio non contemplato
1P	50	164	234	-3	0	0	59	Tipo di acciaio non contemplato
2	50	341	-858	-0	0	0	-214	Tipo di acciaio non contemplato
7	50	291	-748	-0	0	0	-186	Tipo di acciaio non contemplato
8	50	268	-650	-0	0	0	-162	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg		kg*m							kg/cmq	
1A	-80	1	33								Tipo di acciaio non contemplato
1B	-80	1	12								Tipo di acciaio non contemplato
1C	-80	1	33								Tipo di acciaio non contemplato
1D	-80	1	12								Tipo di acciaio non contemplato
1E	236	1	33								Tipo di acciaio non contemplato
1F	236	1	12								Tipo di acciaio non contemplato
1G	236	1	33								Tipo di acciaio non contemplato
1H	236	1	12								Tipo di acciaio non contemplato
1I	-7	0	45								Tipo di acciaio non contemplato
1J	-7	0	24								Tipo di acciaio non contemplato
1K	-7	0	45								Tipo di acciaio non contemplato
1L	-7	0	24								Tipo di acciaio non contemplato
1M	164	0	45								Tipo di acciaio non contemplato
1N	164	0	24								Tipo di acciaio non contemplato
1O	164	0	45								Tipo di acciaio non contemplato
1P	164	0	24								Tipo di acciaio non contemplato
2	341	0	86								Tipo di acciaio non contemplato
7	291	0	75								Tipo di acciaio non contemplato
8	268	0	65								Tipo di acciaio non contemplato

ASTA NUM. 95 NI 290 NF 298 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-108	-274	3	0	0	69								Tipo di acciaio non contemplato
1B	0	-108	219	3	0	0	-54								Tipo di acciaio non contemplato
1C	0	-108	-274	-4	0	0	69								Tipo di acciaio non contemplato
1D	0	-108	219	-4	0	0	-54								Tipo di acciaio non contemplato
1E	0	270	-274	3	0	0	69								Tipo di acciaio non contemplato
1F	0	270	219	3	0	0	-54								Tipo di acciaio non contemplato
1G	0	270	-274	-4	0	0	69								Tipo di acciaio non contemplato
1H	0	270	219	-4	0	0	-54								Tipo di acciaio non contemplato
1I	0	-19	-643	2	0	0	161								Tipo di acciaio non contemplato
1J	0	-19	588	2	0	0	-147								Tipo di acciaio non contemplato
1K	0	-19	-643	-3	0	0	161								Tipo di acciaio non contemplato
1L	0	-19	588	-3	0	0	-147								Tipo di acciaio non contemplato
1M	0	181	-643	2	0	0	161								Tipo di acciaio non contemplato
1N	0	181	588	2	0	0	-147								Tipo di acciaio non contemplato
1O	0	181	-643	-3	0	0	161								Tipo di acciaio non contemplato
1P	0	181	588	-3	0	0	-147								Tipo di acciaio non contemplato
2	0	250	-480	-1	0	0	121								Tipo di acciaio non contemplato
7	0	222	-461	-0	0	0	116								Tipo di acciaio non contemplato
8	0	208	-351	-1	0	0	88								Tipo di acciaio non contemplato
1A	25	-108	-276	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-108	217	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-108	-276	-4	0	0	0								Tipo di acciaio non contemplato
1D	25	-108	217	-4	0	0	0								Tipo di acciaio non contemplato
1E	25	270	-276	3	0	0	0								Tipo di acciaio non contemplato
1F	25	270	217	3	0	0	0								Tipo di acciaio non contemplato
1G	25	270	-276	-4	0	0	0								Tipo di acciaio non contemplato
1H	25	270	217	-4	0	0	0								Tipo di acciaio non contemplato
1I	25	-19	-645	2	0	0	0								Tipo di acciaio non contemplato
1J	25	-19	586	2	0	0	0								Tipo di acciaio non contemplato
1K	25	-19	-645	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-19	586	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	181	-645	2	0	0	0								Tipo di acciaio non contemplato
1N	25	181	586	2	0	0	0								Tipo di acciaio non contemplato
1O	25	181	-645	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	181	586	-3	0	0	0								Tipo di acciaio non contemplato
2	25	250	-483	-1	0	0	0								Tipo di acciaio non contemplato
7	25	222	-463	-0	0	0	0								Tipo di acciaio non contemplato
8	25	208	-354	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	-108	-278	3	0	-1	-69								Tipo di acciaio non contemplato
1B	50	-108	214	3	0	-1	54								Tipo di acciaio non contemplato
1C	50	-108	-278	-4	0	1	-69								Tipo di acciaio non contemplato
1D	50	-108	214	-4	0	1	54								Tipo di acciaio non contemplato
1E	50	270	-278	3	0	-1	-69								Tipo di acciaio non contemplato
1F	50	270	214	3	0	-1	54								Tipo di acciaio non contemplato

1G	50	270	-278	-4	0	1	-69	Tipo di acciaio non contemplato
1H	50	270	214	-4	0	1	54	Tipo di acciaio non contemplato
1I	50	-19	-647	2	0	0	-161	Tipo di acciaio non contemplato
1J	50	-19	584	2	0	0	146	Tipo di acciaio non contemplato
1K	50	-19	-647	-3	0	0	-161	Tipo di acciaio non contemplato
1L	50	-19	584	-3	0	0	146	Tipo di acciaio non contemplato
1M	50	181	-647	2	0	0	-161	Tipo di acciaio non contemplato
1N	50	181	584	2	0	0	146	Tipo di acciaio non contemplato
1O	50	181	-647	-3	0	0	-161	Tipo di acciaio non contemplato
1P	50	181	584	-3	0	0	146	Tipo di acciaio non contemplato
2	50	250	-486	-1	0	0	-121	Tipo di acciaio non contemplato
7	50	222	-466	-0	0	0	-116	Tipo di acciaio non contemplato
8	50	208	-357	-1	0	0	-89	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-108	0	28								Tipo di acciaio non contemplato
1B	-108	0	22								Tipo di acciaio non contemplato
1C	-108	1	28								Tipo di acciaio non contemplato
1D	-108	1	22								Tipo di acciaio non contemplato
1E	270	0	28								Tipo di acciaio non contemplato
1F	270	0	22								Tipo di acciaio non contemplato
1G	270	1	28								Tipo di acciaio non contemplato
1H	270	1	22								Tipo di acciaio non contemplato
1I	-19	0	65								Tipo di acciaio non contemplato
1J	-19	0	59								Tipo di acciaio non contemplato
1K	-19	0	65								Tipo di acciaio non contemplato
1L	-19	0	59								Tipo di acciaio non contemplato
1M	181	0	65								Tipo di acciaio non contemplato
1N	181	0	59								Tipo di acciaio non contemplato
1O	181	0	65								Tipo di acciaio non contemplato
1P	181	0	59								Tipo di acciaio non contemplato
2	250	0	48								Tipo di acciaio non contemplato
7	222	0	46								Tipo di acciaio non contemplato
8	208	0	35								Tipo di acciaio non contemplato

ASTA NUM. 96 NI 330 NF 338 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-130	-271	15	0	0	68								Tipo di acciaio non contemplato
1B	0	-130	258	15	0	0	-64								Tipo di acciaio non contemplato
1C	0	-130	-271	-15	0	0	68								Tipo di acciaio non contemplato
1D	0	-130	258	-15	0	0	-64								Tipo di acciaio non contemplato
1E	0	250	-271	15	0	0	68								Tipo di acciaio non contemplato
1F	0	250	258	15	0	0	-64								Tipo di acciaio non contemplato
1G	0	250	-271	-15	0	0	68								Tipo di acciaio non contemplato
1H	0	250	258	-15	0	0	-64								Tipo di acciaio non contemplato
1I	0	-7	-610	6	0	0	153								Tipo di acciaio non contemplato
1J	0	-7	597	6	0	0	-149								Tipo di acciaio non contemplato
1K	0	-7	-610	-6	0	0	153								Tipo di acciaio non contemplato
1L	0	-7	597	-6	0	0	-149								Tipo di acciaio non contemplato
1M	0	127	-610	6	0	0	153								Tipo di acciaio non contemplato
1N	0	127	597	6	0	0	-149								Tipo di acciaio non contemplato
1O	0	127	-610	-6	0	0	153								Tipo di acciaio non contemplato
1P	0	127	597	-6	0	0	-149								Tipo di acciaio non contemplato
2	0	122	-348	2	0	0	88								Tipo di acciaio non contemplato
7	0	123	-349	2	0	0	88								Tipo di acciaio non contemplato
8	0	108	-247	2	0	0	62								Tipo di acciaio non contemplato
1A	25	-130	-274	15	0	4	0								Tipo di acciaio non contemplato
1B	25	-130	256	15	0	4	0								Tipo di acciaio non contemplato
1C	25	-130	-274	-15	0	-4	0								Tipo di acciaio non contemplato
1D	25	-130	256	-15	0	-4	0								Tipo di acciaio non contemplato
1E	25	250	-274	15	0	4	0								Tipo di acciaio non contemplato
1F	25	250	256	15	0	4	0								Tipo di acciaio non contemplato
1G	25	250	-274	-15	0	-4	0								Tipo di acciaio non contemplato
1H	25	250	256	-15	0	-4	0								Tipo di acciaio non contemplato
1I	25	-7	-612	6	0	-1	0								Tipo di acciaio non contemplato
1J	25	-7	595	6	0	-1	0								Tipo di acciaio non contemplato
1K	25	-7	-612	-6	0	1	0								Tipo di acciaio non contemplato
1L	25	-7	595	-6	0	1	0								Tipo di acciaio non contemplato
1M	25	127	-612	6	0	-1	0								Tipo di acciaio non contemplato
1N	25	127	595	6	0	-1	0								Tipo di acciaio non contemplato
1O	25	127	-612	-6	0	1	0								Tipo di acciaio non contemplato
1P	25	127	595	-6	0	1	0								Tipo di acciaio non contemplato
2	25	122	-351	2	0	0	0								Tipo di acciaio non contemplato
7	25	123	-352	2	0	0	0								Tipo di acciaio non contemplato
8	25	108	-250	2	0	0	0								Tipo di acciaio non contemplato
1A	50	-130	-276	15	0	8	-69								Tipo di acciaio non contemplato
1B	50	-130	254	15	0	8	64								Tipo di acciaio non contemplato
1C	50	-130	-276	-15	0	-8	-69								Tipo di acciaio non contemplato
1D	50	-130	254	-15	0	-8	64								Tipo di acciaio non contemplato

1E	50	250	-276	15	0	8	-69	Tipo di acciaio non contemplato
1F	50	250	254	15	0	8	64	Tipo di acciaio non contemplato
1G	50	250	-276	-15	0	-8	-69	Tipo di acciaio non contemplato
1H	50	250	254	-15	0	-8	64	Tipo di acciaio non contemplato
1I	50	-7	-614	6	0	-3	-153	Tipo di acciaio non contemplato
1J	50	-7	593	6	0	-3	148	Tipo di acciaio non contemplato
1K	50	-7	-614	-6	0	3	-153	Tipo di acciaio non contemplato
1L	50	-7	593	-6	0	3	148	Tipo di acciaio non contemplato
1M	50	127	-614	6	0	-3	-153	Tipo di acciaio non contemplato
1N	50	127	593	6	0	-3	148	Tipo di acciaio non contemplato
1O	50	127	-614	-6	0	3	-153	Tipo di acciaio non contemplato
1P	50	127	593	-6	0	3	148	Tipo di acciaio non contemplato
2	50	122	-354	2	0	-1	-88	Tipo di acciaio non contemplato
7	50	123	-354	2	0	-1	-88	Tipo di acciaio non contemplato
8	50	108	-253	2	0	0	-63	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-130	5	27								Tipo di acciaio non contemplato
1B	-130	5	26								Tipo di acciaio non contemplato
1C	-130	5	27								Tipo di acciaio non contemplato
1D	-130	5	26								Tipo di acciaio non contemplato
1E	250	5	27								Tipo di acciaio non contemplato
1F	250	5	26								Tipo di acciaio non contemplato
1G	250	5	27								Tipo di acciaio non contemplato
1H	250	5	26								Tipo di acciaio non contemplato
1I	-7	2	61								Tipo di acciaio non contemplato
1J	-7	2	60								Tipo di acciaio non contemplato
1K	-7	2	61								Tipo di acciaio non contemplato
1L	-7	2	60								Tipo di acciaio non contemplato
1M	127	2	61								Tipo di acciaio non contemplato
1N	127	2	60								Tipo di acciaio non contemplato
1O	127	2	61								Tipo di acciaio non contemplato
1P	127	2	60								Tipo di acciaio non contemplato
2	122	1	35								Tipo di acciaio non contemplato
7	123	1	35								Tipo di acciaio non contemplato
8	108	1	25								Tipo di acciaio non contemplato

ASTA NUM. 97 NI 189 NF 197 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-162	-147	20	0	0	37								Tipo di acciaio non contemplato
1B	0	-162	143	20	0	0	-35								Tipo di acciaio non contemplato
1C	0	-162	-147	-30	0	0	37								Tipo di acciaio non contemplato
1D	0	-162	143	-30	0	0	-35								Tipo di acciaio non contemplato
1E	0	217	-147	20	0	0	37								Tipo di acciaio non contemplato
1F	0	217	143	20	0	0	-35								Tipo di acciaio non contemplato
1G	0	217	-147	-30	0	0	37								Tipo di acciaio non contemplato
1H	0	217	143	-30	0	0	-35								Tipo di acciaio non contemplato
1I	0	-80	-88	8	0	0	22								Tipo di acciaio non contemplato
1J	0	-80	84	8	0	0	-21								Tipo di acciaio non contemplato
1K	0	-80	-88	-18	0	0	22								Tipo di acciaio non contemplato
1L	0	-80	84	-18	0	0	-21								Tipo di acciaio non contemplato
1M	0	136	-88	8	0	0	22								Tipo di acciaio non contemplato
1N	0	136	84	8	0	0	-21								Tipo di acciaio non contemplato
1O	0	136	-88	-18	0	0	22								Tipo di acciaio non contemplato
1P	0	136	84	-18	0	0	-21								Tipo di acciaio non contemplato
2	0	175	-149	-28	0	0	38								Tipo di acciaio non contemplato
7	0	167	-122	-25	0	0	31								Tipo di acciaio non contemplato
8	0	132	-129	-20	0	0	33								Tipo di acciaio non contemplato
1A	25	-162	-150	20	0	8	0								Tipo di acciaio non contemplato
1B	25	-162	141	20	0	8	0								Tipo di acciaio non contemplato
1C	25	-162	-150	-30	0	-5	0								Tipo di acciaio non contemplato
1D	25	-162	141	-30	0	-5	0								Tipo di acciaio non contemplato
1E	25	217	-150	20	0	8	0								Tipo di acciaio non contemplato
1F	25	217	141	20	0	8	0								Tipo di acciaio non contemplato
1G	25	217	-150	-30	0	-5	0								Tipo di acciaio non contemplato
1H	25	217	141	-30	0	-5	0								Tipo di acciaio non contemplato
1I	25	-80	-90	8	0	5	0								Tipo di acciaio non contemplato
1J	25	-80	82	8	0	5	0								Tipo di acciaio non contemplato
1K	25	-80	-90	-18	0	-2	0								Tipo di acciaio non contemplato
1L	25	-80	82	-18	0	-2	0								Tipo di acciaio non contemplato
1M	25	136	-90	8	0	5	0								Tipo di acciaio non contemplato
1N	25	136	82	8	0	5	0								Tipo di acciaio non contemplato
1O	25	136	-90	-18	0	-2	0								Tipo di acciaio non contemplato
1P	25	136	82	-18	0	-2	0								Tipo di acciaio non contemplato
2	25	175	-152	-28	0	8	0								Tipo di acciaio non contemplato
7	25	167	-125	-25	0	7	0								Tipo di acciaio non contemplato
8	25	132	-132	-20	0	6	0								Tipo di acciaio non contemplato
1A	50	-162	-152	20	0	16	-38								Tipo di acciaio non contemplato
1B	50	-162	139	20	0	16	35								Tipo di acciaio non contemplato

1C	50	-162	-152	-30	0	-10	-38	Tipo di acciaio non contemplato
1D	50	-162	139	-30	0	-10	35	Tipo di acciaio non contemplato
1E	50	217	-152	20	0	16	-38	Tipo di acciaio non contemplato
1F	50	217	139	20	0	16	35	Tipo di acciaio non contemplato
1G	50	217	-152	-30	0	-10	-38	Tipo di acciaio non contemplato
1H	50	217	139	-30	0	-10	35	Tipo di acciaio non contemplato
1I	50	-80	-92	8	0	10	-23	Tipo di acciaio non contemplato
1J	50	-80	80	8	0	10	20	Tipo di acciaio non contemplato
1K	50	-80	-92	-18	0	-4	-23	Tipo di acciaio non contemplato
1L	50	-80	80	-18	0	-4	20	Tipo di acciaio non contemplato
1M	50	136	-92	8	0	10	-23	Tipo di acciaio non contemplato
1N	50	136	80	8	0	10	20	Tipo di acciaio non contemplato
1O	50	136	-92	-18	0	-4	-23	Tipo di acciaio non contemplato
1P	50	136	80	-18	0	-4	20	Tipo di acciaio non contemplato
2	50	175	-155	-28	0	15	-38	Tipo di acciaio non contemplato
7	50	167	-127	-25	0	13	-31	Tipo di acciaio non contemplato
8	50	132	-134	-20	0	11	-33	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-162	10	15								Tipo di acciaio non contemplato
1B	-162	10	14								Tipo di acciaio non contemplato
1C	-162	6	15								Tipo di acciaio non contemplato
1D	-162	6	14								Tipo di acciaio non contemplato
1E	217	10	15								Tipo di acciaio non contemplato
1F	217	10	14								Tipo di acciaio non contemplato
1G	217	6	15								Tipo di acciaio non contemplato
1H	217	6	14								Tipo di acciaio non contemplato
1I	-80	6	9								Tipo di acciaio non contemplato
1J	-80	6	8								Tipo di acciaio non contemplato
1K	-80	3	9								Tipo di acciaio non contemplato
1L	-80	3	8								Tipo di acciaio non contemplato
1M	136	6	9								Tipo di acciaio non contemplato
1N	136	6	8								Tipo di acciaio non contemplato
1O	136	3	9								Tipo di acciaio non contemplato
1P	136	3	8								Tipo di acciaio non contemplato
2	175	9	15								Tipo di acciaio non contemplato
7	167	8	13								Tipo di acciaio non contemplato
8	132	7	13								Tipo di acciaio non contemplato

ASTA NUM. 98 NI 209 NF 217 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-110	-221	9	0	0	56								Tipo di acciaio non contemplato
1B	0	-110	61	9	0	0	-15								Tipo di acciaio non contemplato
1C	0	-110	-221	-13	0	0	56								Tipo di acciaio non contemplato
1D	0	-110	61	-13	0	0	-15								Tipo di acciaio non contemplato
1E	0	208	-221	9	0	0	56								Tipo di acciaio non contemplato
1F	0	208	61	9	0	0	-15								Tipo di acciaio non contemplato
1G	0	208	-221	-13	0	0	56								Tipo di acciaio non contemplato
1H	0	208	61	-13	0	0	-15								Tipo di acciaio non contemplato
1I	0	-32	-267	3	0	0	67								Tipo di acciaio non contemplato
1J	0	-32	107	3	0	0	-26								Tipo di acciaio non contemplato
1K	0	-32	-267	-7	0	0	67								Tipo di acciaio non contemplato
1L	0	-32	107	-7	0	0	-26								Tipo di acciaio non contemplato
1M	0	130	-267	3	0	0	67								Tipo di acciaio non contemplato
1N	0	130	107	3	0	0	-26								Tipo di acciaio non contemplato
1O	0	130	-267	-7	0	0	67								Tipo di acciaio non contemplato
1P	0	130	107	-7	0	0	-26								Tipo di acciaio non contemplato
2	0	412	-571	-11	0	0	143								Tipo di acciaio non contemplato
7	0	382	-478	-9	0	0	120								Tipo di acciaio non contemplato
8	0	309	-442	-7	0	0	111								Tipo di acciaio non contemplato
1A	25	-110	-223	9	0	4	0								Tipo di acciaio non contemplato
1B	25	-110	59	9	0	4	0								Tipo di acciaio non contemplato
1C	25	-110	-223	-13	0	-3	0								Tipo di acciaio non contemplato
1D	25	-110	59	-13	0	-3	0								Tipo di acciaio non contemplato
1E	25	208	-223	9	0	4	0								Tipo di acciaio non contemplato
1F	25	208	59	9	0	4	0								Tipo di acciaio non contemplato
1G	25	208	-223	-13	0	-3	0								Tipo di acciaio non contemplato
1H	25	208	59	-13	0	-3	0								Tipo di acciaio non contemplato
1I	25	-32	-269	3	0	2	0								Tipo di acciaio non contemplato
1J	25	-32	105	3	0	2	0								Tipo di acciaio non contemplato
1K	25	-32	-269	-7	0	-1	0								Tipo di acciaio non contemplato
1L	25	-32	105	-7	0	-1	0								Tipo di acciaio non contemplato
1M	25	130	-269	3	0	2	0								Tipo di acciaio non contemplato
1N	25	130	105	3	0	2	0								Tipo di acciaio non contemplato
1O	25	130	-269	-7	0	-1	0								Tipo di acciaio non contemplato
1P	25	130	105	-7	0	-1	0								Tipo di acciaio non contemplato
2	25	412	-574	-11	0	3	0								Tipo di acciaio non contemplato
7	25	382	-481	-9	0	3	0								Tipo di acciaio non contemplato
8	25	309	-445	-7	0	2	0								Tipo di acciaio non contemplato

1A	50	-110	-226	9	0	7	-56	Tipo di acciaio non contemplato
1B	50	-110	56	9	0	7	15	Tipo di acciaio non contemplato
1C	50	-110	-226	-13	0	-5	-56	Tipo di acciaio non contemplato
1D	50	-110	56	-13	0	-5	15	Tipo di acciaio non contemplato
1E	50	208	-226	9	0	7	-56	Tipo di acciaio non contemplato
1F	50	208	56	9	0	7	15	Tipo di acciaio non contemplato
1G	50	208	-226	-13	0	-5	-56	Tipo di acciaio non contemplato
1H	50	208	56	-13	0	-5	15	Tipo di acciaio non contemplato
1I	50	-32	-272	3	0	4	-68	Tipo di acciaio non contemplato
1J	50	-32	102	3	0	4	26	Tipo di acciaio non contemplato
1K	50	-32	-272	-7	0	-2	-68	Tipo di acciaio non contemplato
1L	50	-32	102	-7	0	-2	26	Tipo di acciaio non contemplato
1M	50	130	-272	3	0	4	-68	Tipo di acciaio non contemplato
1N	50	130	102	3	0	4	26	Tipo di acciaio non contemplato
1O	50	130	-272	-7	0	-2	-68	Tipo di acciaio non contemplato
1P	50	130	102	-7	0	-2	26	Tipo di acciaio non contemplato
2	50	412	-577	-11	0	6	-144	Tipo di acciaio non contemplato
7	50	382	-484	-9	0	5	-121	Tipo di acciaio non contemplato
8	50	309	-448	-7	0	4	-112	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-110	5	22								Tipo di acciaio non contemplato
1B	-110	5	6								Tipo di acciaio non contemplato
1C	-110	3	22								Tipo di acciaio non contemplato
1D	-110	3	6								Tipo di acciaio non contemplato
1E	208	5	22								Tipo di acciaio non contemplato
1F	208	5	6								Tipo di acciaio non contemplato
1G	208	3	22								Tipo di acciaio non contemplato
1H	208	3	6								Tipo di acciaio non contemplato
1I	-32	3	27								Tipo di acciaio non contemplato
1J	-32	3	11								Tipo di acciaio non contemplato
1K	-32	1	27								Tipo di acciaio non contemplato
1L	-32	1	11								Tipo di acciaio non contemplato
1M	130	3	27								Tipo di acciaio non contemplato
1N	130	3	11								Tipo di acciaio non contemplato
1O	130	1	27								Tipo di acciaio non contemplato
1P	130	1	11								Tipo di acciaio non contemplato
2	412	4	58								Tipo di acciaio non contemplato
7	382	4	48								Tipo di acciaio non contemplato
8	309	3	45								Tipo di acciaio non contemplato

ASTA NUM. 99 NI 249 NF 257 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-60	-321	30	0	0	81								Tipo di acciaio non contemplato
1B	0	-60	115	30	0	0	-28								Tipo di acciaio non contemplato
1C	0	-60	-321	-27	0	0	81								Tipo di acciaio non contemplato
1D	0	-60	115	-27	0	0	-28								Tipo di acciaio non contemplato
1E	0	210	-321	30	0	0	81								Tipo di acciaio non contemplato
1F	0	210	115	30	0	0	-28								Tipo di acciaio non contemplato
1G	0	210	-321	-27	0	0	81								Tipo di acciaio non contemplato
1H	0	210	115	-27	0	0	-28								Tipo di acciaio non contemplato
1I	0	-5	-440	21	0	0	110								Tipo di acciaio non contemplato
1J	0	-5	234	21	0	0	-58								Tipo di acciaio non contemplato
1K	0	-5	-440	-17	0	0	110								Tipo di acciaio non contemplato
1L	0	-5	234	-17	0	0	-58								Tipo di acciaio non contemplato
1M	0	155	-440	21	0	0	110								Tipo di acciaio non contemplato
1N	0	155	234	21	0	0	-58								Tipo di acciaio non contemplato
1O	0	155	-440	-17	0	0	110								Tipo di acciaio non contemplato
1P	0	155	234	-17	0	0	-58								Tipo di acciaio non contemplato
2	0	623	-735	11	0	0	184								Tipo di acciaio non contemplato
7	0	573	-625	9	0	0	157								Tipo di acciaio non contemplato
8	0	464	-561	8	0	0	141								Tipo di acciaio non contemplato
1A	25	-60	-324	30	0	-7	0								Tipo di acciaio non contemplato
1B	25	-60	113	30	0	-7	0								Tipo di acciaio non contemplato
1C	25	-60	-324	-27	0	6	0								Tipo di acciaio non contemplato
1D	25	-60	113	-27	0	6	0								Tipo di acciaio non contemplato
1E	25	210	-324	30	0	-7	0								Tipo di acciaio non contemplato
1F	25	210	113	30	0	-7	0								Tipo di acciaio non contemplato
1G	25	210	-324	-27	0	6	0								Tipo di acciaio non contemplato
1H	25	210	113	-27	0	6	0								Tipo di acciaio non contemplato
1I	25	-5	-442	21	0	-5	0								Tipo di acciaio non contemplato
1J	25	-5	232	21	0	-5	0								Tipo di acciaio non contemplato
1K	25	-5	-442	-17	0	4	0								Tipo di acciaio non contemplato
1L	25	-5	232	-17	0	4	0								Tipo di acciaio non contemplato
1M	25	155	-442	21	0	-5	0								Tipo di acciaio non contemplato
1N	25	155	232	21	0	-5	0								Tipo di acciaio non contemplato
1O	25	155	-442	-17	0	4	0								Tipo di acciaio non contemplato
1P	25	155	232	-17	0	4	0								Tipo di acciaio non contemplato
2	25	623	-738	11	0	-3	0								Tipo di acciaio non contemplato
7	25	573	-628	9	0	-2	0								Tipo di acciaio non contemplato

8	25	464	-564	8	0	-2	0	Tipo di acciaio non contemplato
1A	50	-60	-326	30	0	-15	-81	Tipo di acciaio non contemplato
1B	50	-60	110	30	0	-15	28	Tipo di acciaio non contemplato
1C	50	-60	-326	-27	0	13	-81	Tipo di acciaio non contemplato
1D	50	-60	110	-27	0	13	28	Tipo di acciaio non contemplato
1E	50	210	-326	30	0	-15	-81	Tipo di acciaio non contemplato
1F	50	210	110	30	0	-15	28	Tipo di acciaio non contemplato
1G	50	210	-326	-27	0	13	-81	Tipo di acciaio non contemplato
1H	50	210	110	-27	0	13	28	Tipo di acciaio non contemplato
1I	50	-5	-445	21	0	-10	-111	Tipo di acciaio non contemplato
1J	50	-5	229	21	0	-10	58	Tipo di acciaio non contemplato
1K	50	-5	-445	-17	0	8	-111	Tipo di acciaio non contemplato
1L	50	-5	229	-17	0	8	58	Tipo di acciaio non contemplato
1M	50	155	-445	21	0	-10	-111	Tipo di acciaio non contemplato
1N	50	155	229	21	0	-10	58	Tipo di acciaio non contemplato
1O	50	155	-445	-17	0	8	-111	Tipo di acciaio non contemplato
1P	50	155	229	-17	0	8	58	Tipo di acciaio non contemplato
2	50	623	-741	11	0	-6	-185	Tipo di acciaio non contemplato
7	50	573	-631	9	0	-4	-157	Tipo di acciaio non contemplato
8	50	464	-567	8	0	-4	-141	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-60	9	32								Tipo di acciaio non contemplato
1B	-60	9	11								Tipo di acciaio non contemplato
1C	-60	7	32								Tipo di acciaio non contemplato
1D	-60	7	11								Tipo di acciaio non contemplato
1E	210	9	32								Tipo di acciaio non contemplato
1F	210	9	11								Tipo di acciaio non contemplato
1G	210	7	32								Tipo di acciaio non contemplato
1H	210	7	11								Tipo di acciaio non contemplato
1I	-5	6	44								Tipo di acciaio non contemplato
1J	-5	6	23								Tipo di acciaio non contemplato
1K	-5	5	44								Tipo di acciaio non contemplato
1L	-5	5	23								Tipo di acciaio non contemplato
1M	155	6	44								Tipo di acciaio non contemplato
1N	155	6	23								Tipo di acciaio non contemplato
1O	155	5	44								Tipo di acciaio non contemplato
1P	155	5	23								Tipo di acciaio non contemplato
2	623	3	74								Tipo di acciaio non contemplato
7	573	3	63								Tipo di acciaio non contemplato
8	464	3	57								Tipo di acciaio non contemplato

ASTA NUM. 100 NI 289 NF 297 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-84	-321	82	0	0	81							Tipo di acciaio non contemplato
1B	0	-84	269	82	0	0	-67							Tipo di acciaio non contemplato
1C	0	-84	-321	-71	0	0	81							Tipo di acciaio non contemplato
1D	0	-84	269	-71	0	0	-67							Tipo di acciaio non contemplato
1E	0	242	-321	82	0	0	81							Tipo di acciaio non contemplato
1F	0	242	269	82	0	0	-67							Tipo di acciaio non contemplato
1G	0	242	-321	-71	0	0	81							Tipo di acciaio non contemplato
1H	0	242	269	-71	0	0	-67							Tipo di acciaio non contemplato
1I	0	3	-661	51	0	0	166							Tipo di acciaio non contemplato
1J	0	3	608	51	0	0	-152							Tipo di acciaio non contemplato
1K	0	3	-661	-39	0	0	166							Tipo di acciaio non contemplato
1L	0	3	608	-39	0	0	-152							Tipo di acciaio non contemplato
1M	0	156	-661	51	0	0	166							Tipo di acciaio non contemplato
1N	0	156	608	51	0	0	-152							Tipo di acciaio non contemplato
1O	0	156	-661	-39	0	0	166							Tipo di acciaio non contemplato
1P	0	156	608	-39	0	0	-152							Tipo di acciaio non contemplato
2	0	542	-362	22	0	0	91							Tipo di acciaio non contemplato
7	0	513	-344	18	0	0	86							Tipo di acciaio non contemplato
8	0	411	-268	18	0	0	67							Tipo di acciaio non contemplato
1A	25	-84	-324	82	0	-20	0							Tipo di acciaio non contemplato
1B	25	-84	267	82	0	-20	0							Tipo di acciaio non contemplato
1C	25	-84	-324	-71	0	17	0							Tipo di acciaio non contemplato
1D	25	-84	267	-71	0	17	0							Tipo di acciaio non contemplato
1E	25	242	-324	82	0	-20	0							Tipo di acciaio non contemplato
1F	25	242	267	82	0	-20	0							Tipo di acciaio non contemplato
1G	25	242	-324	-71	0	17	0							Tipo di acciaio non contemplato
1H	25	242	267	-71	0	17	0							Tipo di acciaio non contemplato
1I	25	3	-663	51	0	-12	0							Tipo di acciaio non contemplato
1J	25	3	606	51	0	-12	0							Tipo di acciaio non contemplato
1K	25	3	-663	-39	0	9	0							Tipo di acciaio non contemplato
1L	25	3	606	-39	0	9	0							Tipo di acciaio non contemplato
1M	25	156	-663	51	0	-12	0							Tipo di acciaio non contemplato
1N	25	156	606	51	0	-12	0							Tipo di acciaio non contemplato
1O	25	156	-663	-39	0	9	0							Tipo di acciaio non contemplato
1P	25	156	606	-39	0	9	0							Tipo di acciaio non contemplato

2	25	542	-365	22	0	-6	0	Tipo di acciaio non contemplato
7	25	513	-346	18	0	-5	0	Tipo di acciaio non contemplato
8	25	411	-270	18	0	-5	0	Tipo di acciaio non contemplato
1A	50	-84	-326	82	0	-41	-81	Tipo di acciaio non contemplato
1B	50	-84	265	82	0	-41	67	Tipo di acciaio non contemplato
1C	50	-84	-326	-71	0	35	-81	Tipo di acciaio non contemplato
1D	50	-84	265	-71	0	35	67	Tipo di acciaio non contemplato
1E	50	242	-326	82	0	-41	-81	Tipo di acciaio non contemplato
1F	50	242	265	82	0	-41	67	Tipo di acciaio non contemplato
1G	50	242	-326	-71	0	35	-81	Tipo di acciaio non contemplato
1H	50	242	265	-71	0	35	67	Tipo di acciaio non contemplato
1I	50	3	-665	51	0	-25	-166	Tipo di acciaio non contemplato
1J	50	3	604	51	0	-25	151	Tipo di acciaio non contemplato
1K	50	3	-665	-39	0	19	-166	Tipo di acciaio non contemplato
1L	50	3	604	-39	0	19	151	Tipo di acciaio non contemplato
1M	50	156	-665	51	0	-25	-166	Tipo di acciaio non contemplato
1N	50	156	604	51	0	-25	151	Tipo di acciaio non contemplato
1O	50	156	-665	-39	0	19	-166	Tipo di acciaio non contemplato
1P	50	156	604	-39	0	19	151	Tipo di acciaio non contemplato
2	50	542	-368	22	0	-11	-92	Tipo di acciaio non contemplato
7	50	513	-349	18	0	-9	-87	Tipo di acciaio non contemplato
8	50	411	-273	18	0	-9	-68	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-84	24	32								Tipo di acciaio non contemplato
1B	-84	24	27								Tipo di acciaio non contemplato
1C	-84	21	32								Tipo di acciaio non contemplato
1D	-84	21	27								Tipo di acciaio non contemplato
1E	242	24	32								Tipo di acciaio non contemplato
1F	242	24	27								Tipo di acciaio non contemplato
1G	242	21	32								Tipo di acciaio non contemplato
1H	242	21	27								Tipo di acciaio non contemplato
1I	3	15	66								Tipo di acciaio non contemplato
1J	3	15	61								Tipo di acciaio non contemplato
1K	3	11	66								Tipo di acciaio non contemplato
1L	3	11	61								Tipo di acciaio non contemplato
1M	156	15	66								Tipo di acciaio non contemplato
1N	156	15	61								Tipo di acciaio non contemplato
1O	156	11	66								Tipo di acciaio non contemplato
1P	156	11	61								Tipo di acciaio non contemplato
2	542	7	37								Tipo di acciaio non contemplato
7	513	5	35								Tipo di acciaio non contemplato
8	411	5	27								Tipo di acciaio non contemplato

ASTA NUM. 101 NI 329 NF 337 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-111	-272	32	0	0	68								Tipo di acciaio non contemplato
1B	0	-111	262	32	0	0	-65								Tipo di acciaio non contemplato
1C	0	-111	-272	-29	0	0	68								Tipo di acciaio non contemplato
1D	0	-111	262	-29	0	0	-65								Tipo di acciaio non contemplato
1E	0	219	-272	32	0	0	68								Tipo di acciaio non contemplato
1F	0	219	262	32	0	0	-65								Tipo di acciaio non contemplato
1G	0	219	-272	-29	0	0	68								Tipo di acciaio non contemplato
1H	0	219	262	-29	0	0	-65								Tipo di acciaio non contemplato
1I	0	-19	-600	20	0	0	150								Tipo di acciaio non contemplato
1J	0	-19	589	20	0	0	-147								Tipo di acciaio non contemplato
1K	0	-19	-600	-18	0	0	150								Tipo di acciaio non contemplato
1L	0	-19	589	-18	0	0	-147								Tipo di acciaio non contemplato
1M	0	127	-600	20	0	0	150								Tipo di acciaio non contemplato
1N	0	127	589	20	0	0	-147								Tipo di acciaio non contemplato
1O	0	127	-600	-18	0	0	150								Tipo di acciaio non contemplato
1P	0	127	589	-18	0	0	-147								Tipo di acciaio non contemplato
2	0	330	-260	4	0	0	65								Tipo di acciaio non contemplato
7	0	330	-261	4	0	0	66								Tipo di acciaio non contemplato
8	0	251	-185	3	0	0	47								Tipo di acciaio non contemplato
1A	25	-111	-275	32	0	8	0								Tipo di acciaio non contemplato
1B	25	-111	259	32	0	8	0								Tipo di acciaio non contemplato
1C	25	-111	-275	-29	0	-9	0								Tipo di acciaio non contemplato
1D	25	-111	259	-29	0	-9	0								Tipo di acciaio non contemplato
1E	25	219	-275	32	0	8	0								Tipo di acciaio non contemplato
1F	25	219	259	32	0	8	0								Tipo di acciaio non contemplato
1G	25	219	-275	-29	0	-9	0								Tipo di acciaio non contemplato
1H	25	219	259	-29	0	-9	0								Tipo di acciaio non contemplato
1I	25	-19	-602	20	0	5	0								Tipo di acciaio non contemplato
1J	25	-19	587	20	0	5	0								Tipo di acciaio non contemplato
1K	25	-19	-602	-18	0	-6	0								Tipo di acciaio non contemplato
1L	25	-19	587	-18	0	-6	0								Tipo di acciaio non contemplato
1M	25	127	-602	20	0	5	0								Tipo di acciaio non contemplato
1N	25	127	587	20	0	5	0								Tipo di acciaio non contemplato

1O	25	127	-602	-18	0	-6	0	Tipo di acciaio non contemplato
1P	25	127	587	-18	0	-6	0	Tipo di acciaio non contemplato
2	25	330	-263	4	0	-1	0	Tipo di acciaio non contemplato
7	25	330	-264	4	0	-1	0	Tipo di acciaio non contemplato
8	25	251	-188	3	0	0	0	Tipo di acciaio non contemplato
1A	50	-111	-277	32	0	15	-69	Tipo di acciaio non contemplato
1B	50	-111	257	32	0	15	65	Tipo di acciaio non contemplato
1C	50	-111	-277	-29	0	-16	-69	Tipo di acciaio non contemplato
1D	50	-111	257	-29	0	-16	65	Tipo di acciaio non contemplato
1E	50	219	-277	32	0	15	-69	Tipo di acciaio non contemplato
1F	50	219	257	32	0	15	65	Tipo di acciaio non contemplato
1G	50	219	-277	-29	0	-16	-69	Tipo di acciaio non contemplato
1H	50	219	257	-29	0	-16	65	Tipo di acciaio non contemplato
1I	50	-19	-605	20	0	10	-151	Tipo di acciaio non contemplato
1J	50	-19	585	20	0	10	147	Tipo di acciaio non contemplato
1K	50	-19	-605	-18	0	-11	-151	Tipo di acciaio non contemplato
1L	50	-19	585	-18	0	-11	147	Tipo di acciaio non contemplato
1M	50	127	-605	20	0	10	-151	Tipo di acciaio non contemplato
1N	50	127	585	20	0	10	147	Tipo di acciaio non contemplato
1O	50	127	-605	-18	0	-11	-151	Tipo di acciaio non contemplato
1P	50	127	585	-18	0	-11	147	Tipo di acciaio non contemplato
2	50	330	-266	4	0	-2	-66	Tipo di acciaio non contemplato
7	50	330	-266	4	0	-2	-66	Tipo di acciaio non contemplato
8	50	251	-191	3	0	-2	-47	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-111	9	28								Tipo di acciaio non contemplato
1B	-111	9	26								Tipo di acciaio non contemplato
1C	-111	10	28								Tipo di acciaio non contemplato
1D	-111	10	26								Tipo di acciaio non contemplato
1E	219	9	28								Tipo di acciaio non contemplato
1F	219	9	26								Tipo di acciaio non contemplato
1G	219	10	28								Tipo di acciaio non contemplato
1H	219	10	26								Tipo di acciaio non contemplato
1I	-19	6	60								Tipo di acciaio non contemplato
1J	-19	6	59								Tipo di acciaio non contemplato
1K	-19	7	60								Tipo di acciaio non contemplato
1L	-19	7	59								Tipo di acciaio non contemplato
1M	127	6	60								Tipo di acciaio non contemplato
1N	127	6	59								Tipo di acciaio non contemplato
1O	127	7	60								Tipo di acciaio non contemplato
1P	127	7	59								Tipo di acciaio non contemplato
2	330	1	26								Tipo di acciaio non contemplato
7	330	1	26								Tipo di acciaio non contemplato
8	251	1	19								Tipo di acciaio non contemplato

ASTA NUM. 102 NI 188 NF 196 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-111	-122	17	0	1	31								Tipo di acciaio non contemplato
1B	0	-111	116	17	0	1	-29								Tipo di acciaio non contemplato
1C	0	-111	-122	-28	0	0	31								Tipo di acciaio non contemplato
1D	0	-111	116	-28	0	0	-29								Tipo di acciaio non contemplato
1E	0	152	-122	17	0	1	31								Tipo di acciaio non contemplato
1F	0	152	116	17	0	1	-29								Tipo di acciaio non contemplato
1G	0	152	-122	-28	0	0	31								Tipo di acciaio non contemplato
1H	0	152	116	-28	0	0	-29								Tipo di acciaio non contemplato
1I	0	-53	-81	10	0	1	21								Tipo di acciaio non contemplato
1J	0	-53	76	10	0	1	-19								Tipo di acciaio non contemplato
1K	0	-53	-81	-20	0	0	21								Tipo di acciaio non contemplato
1L	0	-53	76	-20	0	0	-19								Tipo di acciaio non contemplato
1M	0	94	-81	10	0	1	21								Tipo di acciaio non contemplato
1N	0	94	76	10	0	1	-19								Tipo di acciaio non contemplato
1O	0	94	-81	-20	0	0	21								Tipo di acciaio non contemplato
1P	0	94	76	-20	0	0	-19								Tipo di acciaio non contemplato
2	0	-25	-85	-28	0	0	22								Tipo di acciaio non contemplato
7	0	-0	-69	-25	0	0	18								Tipo di acciaio non contemplato
8	0	-39	-73	-21	0	0	19								Tipo di acciaio non contemplato
1A	25	-111	-124	17	0	8	0								Tipo di acciaio non contemplato
1B	25	-111	114	17	0	8	0								Tipo di acciaio non contemplato
1C	25	-111	-124	-28	0	-5	0								Tipo di acciaio non contemplato
1D	25	-111	114	-28	0	-5	0								Tipo di acciaio non contemplato
1E	25	152	-124	17	0	8	0								Tipo di acciaio non contemplato
1F	25	152	114	17	0	8	0								Tipo di acciaio non contemplato
1G	25	152	-124	-28	0	-5	0								Tipo di acciaio non contemplato
1H	25	152	114	-28	0	-5	0								Tipo di acciaio non contemplato
1I	25	-53	-84	10	0	6	0								Tipo di acciaio non contemplato
1J	25	-53	74	10	0	6	0								Tipo di acciaio non contemplato
1K	25	-53	-84	-20	0	-3	0								Tipo di acciaio non contemplato
1L	25	-53	74	-20	0	-3	0								Tipo di acciaio non contemplato

1M	25	94	-84	10	0	6	0	Tipo di acciaio non contemplato
1N	25	94	74	10	0	6	0	Tipo di acciaio non contemplato
1O	25	94	-84	-20	0	-3	0	Tipo di acciaio non contemplato
1P	25	94	74	-20	0	-3	0	Tipo di acciaio non contemplato
2	25	-25	-88	-28	0	8	0	Tipo di acciaio non contemplato
7	25	-0	-72	-25	0	7	0	Tipo di acciaio non contemplato
8	25	-39	-76	-21	0	6	0	Tipo di acciaio non contemplato
1A	50	-111	-126	17	0	15	-31	Tipo di acciaio non contemplato
1B	50	-111	112	17	0	15	28	Tipo di acciaio non contemplato
1C	50	-111	-126	-28	0	-10	-31	Tipo di acciaio non contemplato
1D	50	-111	112	-28	0	-10	28	Tipo di acciaio non contemplato
1E	50	152	-126	17	0	15	-31	Tipo di acciaio non contemplato
1F	50	152	112	17	0	15	28	Tipo di acciaio non contemplato
1G	50	152	-126	-28	0	-10	-31	Tipo di acciaio non contemplato
1H	50	152	112	-28	0	-10	28	Tipo di acciaio non contemplato
1I	50	-53	-86	10	0	11	-21	Tipo di acciaio non contemplato
1J	50	-53	71	10	0	11	18	Tipo di acciaio non contemplato
1K	50	-53	-86	-20	0	-6	-21	Tipo di acciaio non contemplato
1L	50	-53	71	-20	0	-6	18	Tipo di acciaio non contemplato
1M	50	94	-86	10	0	11	-21	Tipo di acciaio non contemplato
1N	50	94	71	10	0	11	18	Tipo di acciaio non contemplato
1O	50	94	-86	-20	0	-6	-21	Tipo di acciaio non contemplato
1P	50	94	71	-20	0	-6	18	Tipo di acciaio non contemplato
2	50	-25	-91	-28	0	15	-22	Tipo di acciaio non contemplato
7	50	-0	-75	-25	0	13	-18	Tipo di acciaio non contemplato
8	50	-39	-79	-21	0	11	-19	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-111	10	13								Tipo di acciaio non contemplato
1B	-111	10	11								Tipo di acciaio non contemplato
1C	-111	6	13								Tipo di acciaio non contemplato
1D	-111	6	11								Tipo di acciaio non contemplato
1E	152	10	13								Tipo di acciaio non contemplato
1F	152	10	11								Tipo di acciaio non contemplato
1G	152	6	13								Tipo di acciaio non contemplato
1H	152	6	11								Tipo di acciaio non contemplato
1I	-53	7	8								Tipo di acciaio non contemplato
1J	-53	7	7								Tipo di acciaio non contemplato
1K	-53	4	8								Tipo di acciaio non contemplato
1L	-53	4	7								Tipo di acciaio non contemplato
1M	94	7	8								Tipo di acciaio non contemplato
1N	94	7	7								Tipo di acciaio non contemplato
1O	94	4	8								Tipo di acciaio non contemplato
1P	94	4	7								Tipo di acciaio non contemplato
2	-25	9	9								Tipo di acciaio non contemplato
7	-1	8	7								Tipo di acciaio non contemplato
8	-39	7	8								Tipo di acciaio non contemplato

ASTA NUM. 103 NI 208 NF 216 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-65	-238	39	0	1	60								Tipo di acciaio non contemplato
1B	0	-65	74	39	0	1	-18								Tipo di acciaio non contemplato
1C	0	-65	-238	-58	0	0	60								Tipo di acciaio non contemplato
1D	0	-65	74	-58	0	0	-18								Tipo di acciaio non contemplato
1E	0	161	-238	39	0	1	60								Tipo di acciaio non contemplato
1F	0	161	74	39	0	1	-18								Tipo di acciaio non contemplato
1G	0	161	-238	-58	0	0	60								Tipo di acciaio non contemplato
1H	0	161	74	-58	0	0	-18								Tipo di acciaio non contemplato
1I	0	-11	-275	22	0	0	69								Tipo di acciaio non contemplato
1J	0	-11	111	22	0	0	-27								Tipo di acciaio non contemplato
1K	0	-11	-275	-41	0	0	69								Tipo di acciaio non contemplato
1L	0	-11	111	-41	0	0	-27								Tipo di acciaio non contemplato
1M	0	107	-275	22	0	0	69								Tipo di acciaio non contemplato
1N	0	107	111	22	0	0	-27								Tipo di acciaio non contemplato
1O	0	107	-275	-41	0	0	69								Tipo di acciaio non contemplato
1P	0	107	111	-41	0	0	-27								Tipo di acciaio non contemplato
2	0	207	-494	-51	0	0	124								Tipo di acciaio non contemplato
7	0	175	-400	-45	0	0	100								Tipo di acciaio non contemplato
8	0	165	-388	-37	0	0	98								Tipo di acciaio non contemplato
1A	25	-65	-240	39	0	16	0								Tipo di acciaio non contemplato
1B	25	-65	72	39	0	16	0								Tipo di acciaio non contemplato
1C	25	-65	-240	-58	0	-11	0								Tipo di acciaio non contemplato
1D	25	-65	72	-58	0	-11	0								Tipo di acciaio non contemplato
1E	25	161	-240	39	0	16	0								Tipo di acciaio non contemplato
1F	25	161	72	39	0	16	0								Tipo di acciaio non contemplato
1G	25	161	-240	-58	0	-11	0								Tipo di acciaio non contemplato
1H	25	161	72	-58	0	-11	0								Tipo di acciaio non contemplato
1I	25	-11	-277	22	0	11	0								Tipo di acciaio non contemplato
1J	25	-11	109	22	0	11	0								Tipo di acciaio non contemplato

1K	25	-11	-277	-41	0	-6	0	Tipo di acciaio non contemplato
1L	25	-11	109	-41	0	-6	0	Tipo di acciaio non contemplato
1M	25	107	-277	22	0	11	0	Tipo di acciaio non contemplato
1N	25	107	109	22	0	11	0	Tipo di acciaio non contemplato
1O	25	107	-277	-41	0	-6	0	Tipo di acciaio non contemplato
1P	25	107	109	-41	0	-6	0	Tipo di acciaio non contemplato
2	25	207	-496	-51	0	13	0	Tipo di acciaio non contemplato
7	25	175	-403	-45	0	12	0	Tipo di acciaio non contemplato
8	25	165	-391	-37	0	10	0	Tipo di acciaio non contemplato
1A	50	-65	-243	39	0	30	-60	Tipo di acciaio non contemplato
1B	50	-65	70	39	0	30	18	Tipo di acciaio non contemplato
1C	50	-65	-243	-58	0	-20	-60	Tipo di acciaio non contemplato
1D	50	-65	70	-58	0	-20	18	Tipo di acciaio non contemplato
1E	50	161	-243	39	0	30	-60	Tipo di acciaio non contemplato
1F	50	161	70	39	0	30	18	Tipo di acciaio non contemplato
1G	50	161	-243	-58	0	-20	-60	Tipo di acciaio non contemplato
1H	50	161	70	-58	0	-20	18	Tipo di acciaio non contemplato
1I	50	-11	-279	22	0	21	-69	Tipo di acciaio non contemplato
1J	50	-11	106	22	0	21	27	Tipo di acciaio non contemplato
1K	50	-11	-279	-41	0	-12	-69	Tipo di acciaio non contemplato
1L	50	-11	106	-41	0	-12	27	Tipo di acciaio non contemplato
1M	50	107	-279	22	0	21	-69	Tipo di acciaio non contemplato
1N	50	107	106	22	0	21	27	Tipo di acciaio non contemplato
1O	50	107	-279	-41	0	-12	-69	Tipo di acciaio non contemplato
1P	50	107	106	-41	0	-12	27	Tipo di acciaio non contemplato
2	50	207	-499	-51	0	26	-124	Tipo di acciaio non contemplato
7	50	175	-406	-45	0	23	-101	Tipo di acciaio non contemplato
8	50	165	-394	-37	0	19	-98	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-65	18	24								Tipo di acciaio non contemplato
1B	-65	18	7								Tipo di acciaio non contemplato
1C	-65	13	24								Tipo di acciaio non contemplato
1D	-65	13	7								Tipo di acciaio non contemplato
1E	161	18	24								Tipo di acciaio non contemplato
1F	161	18	7								Tipo di acciaio non contemplato
1G	161	13	24								Tipo di acciaio non contemplato
1H	161	13	7								Tipo di acciaio non contemplato
1I	-11	13	28								Tipo di acciaio non contemplato
1J	-11	13	11								Tipo di acciaio non contemplato
1K	-11	7	28								Tipo di acciaio non contemplato
1L	-11	7	11								Tipo di acciaio non contemplato
1M	107	13	28								Tipo di acciaio non contemplato
1N	107	13	11								Tipo di acciaio non contemplato
1O	107	7	28								Tipo di acciaio non contemplato
1P	107	7	11								Tipo di acciaio non contemplato
2	207	16	50								Tipo di acciaio non contemplato
7	175	14	40								Tipo di acciaio non contemplato
8	165	12	39								Tipo di acciaio non contemplato

ASTA NUM. 104 NI 248 NF 256 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-27	-325	3	0	0	82								Tipo di acciaio non contemplato
1B	0	-27	118	3	0	0	-29								Tipo di acciaio non contemplato
1C	0	-27	-325	-4	0	0	82								Tipo di acciaio non contemplato
1D	0	-27	118	-4	0	0	-29								Tipo di acciaio non contemplato
1E	0	172	-325	3	0	0	82								Tipo di acciaio non contemplato
1F	0	172	118	3	0	0	-29								Tipo di acciaio non contemplato
1G	0	172	-325	-4	0	0	82								Tipo di acciaio non contemplato
1H	0	172	118	-4	0	0	-29								Tipo di acciaio non contemplato
1I	0	20	-435	3	0	0	109								Tipo di acciaio non contemplato
1J	0	20	228	3	0	0	-57								Tipo di acciaio non contemplato
1K	0	20	-435	-3	0	0	109								Tipo di acciaio non contemplato
1L	0	20	228	-3	0	0	-57								Tipo di acciaio non contemplato
1M	0	125	-435	3	0	0	109								Tipo di acciaio non contemplato
1N	0	125	228	3	0	0	-57								Tipo di acciaio non contemplato
1O	0	125	-435	-3	0	0	109								Tipo di acciaio non contemplato
1P	0	125	228	-3	0	0	-57								Tipo di acciaio non contemplato
2	0	332	-620	0	0	0	155								Tipo di acciaio non contemplato
7	0	281	-510	0	0	0	128								Tipo di acciaio non contemplato
8	0	260	-481	0	0	0	121								Tipo di acciaio non contemplato
1A	25	-27	-327	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-27	116	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-27	-327	-4	0	0	0								Tipo di acciaio non contemplato
1D	25	-27	116	-4	0	0	0								Tipo di acciaio non contemplato
1E	25	172	-327	3	0	0	0								Tipo di acciaio non contemplato
1F	25	172	116	3	0	0	0								Tipo di acciaio non contemplato
1G	25	172	-327	-4	0	0	0								Tipo di acciaio non contemplato
1H	25	172	116	-4	0	0	0								Tipo di acciaio non contemplato

1I	25	20	-437	3	0	0	0	Tipo di acciaio non contemplato
1J	25	20	226	3	0	0	0	Tipo di acciaio non contemplato
1K	25	20	-437	-3	0	0	0	Tipo di acciaio non contemplato
1L	25	20	226	-3	0	0	0	Tipo di acciaio non contemplato
1M	25	125	-437	3	0	0	0	Tipo di acciaio non contemplato
1N	25	125	226	3	0	0	0	Tipo di acciaio non contemplato
1O	25	125	-437	-3	0	0	0	Tipo di acciaio non contemplato
1P	25	125	226	-3	0	0	0	Tipo di acciaio non contemplato
2	25	332	-622	0	0	0	0	Tipo di acciaio non contemplato
7	25	281	-513	0	0	0	0	Tipo di acciaio non contemplato
8	25	260	-484	0	0	0	0	Tipo di acciaio non contemplato
1A	50	-27	-329	3	0	-1	-82	Tipo di acciaio non contemplato
1B	50	-27	113	3	0	-1	29	Tipo di acciaio non contemplato
1C	50	-27	-329	-4	0	1	-82	Tipo di acciaio non contemplato
1D	50	-27	113	-4	0	1	29	Tipo di acciaio non contemplato
1E	50	172	-329	3	0	-1	-82	Tipo di acciaio non contemplato
1F	50	172	113	3	0	-1	29	Tipo di acciaio non contemplato
1G	50	172	-329	-4	0	1	-82	Tipo di acciaio non contemplato
1H	50	172	113	-4	0	1	29	Tipo di acciaio non contemplato
1I	50	20	-439	3	0	0	-109	Tipo di acciaio non contemplato
1J	50	20	223	3	0	0	56	Tipo di acciaio non contemplato
1K	50	20	-439	-3	0	0	-109	Tipo di acciaio non contemplato
1L	50	20	223	-3	0	0	56	Tipo di acciaio non contemplato
1M	50	125	-439	3	0	0	-109	Tipo di acciaio non contemplato
1N	50	125	223	3	0	0	56	Tipo di acciaio non contemplato
1O	50	125	-439	-3	0	0	-109	Tipo di acciaio non contemplato
1P	50	125	223	-3	0	0	56	Tipo di acciaio non contemplato
2	50	332	-625	0	0	0	-156	Tipo di acciaio non contemplato
7	50	281	-516	0	0	0	-128	Tipo di acciaio non contemplato
8	50	260	-486	0	0	0	-121	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-27	0	33								Tipo di acciaio non contemplato
1B	-27	0	12								Tipo di acciaio non contemplato
1C	-27	0	33								Tipo di acciaio non contemplato
1D	-27	0	12								Tipo di acciaio non contemplato
1E	172	0	33								Tipo di acciaio non contemplato
1F	172	0	12								Tipo di acciaio non contemplato
1G	172	0	33								Tipo di acciaio non contemplato
1H	172	0	12								Tipo di acciaio non contemplato
1I	20	0	44								Tipo di acciaio non contemplato
1J	20	0	23								Tipo di acciaio non contemplato
1K	20	0	44								Tipo di acciaio non contemplato
1L	20	0	23								Tipo di acciaio non contemplato
1M	125	0	44								Tipo di acciaio non contemplato
1N	125	0	23								Tipo di acciaio non contemplato
1O	125	0	44								Tipo di acciaio non contemplato
1P	125	0	23								Tipo di acciaio non contemplato
2	332	0	62								Tipo di acciaio non contemplato
7	281	0	51								Tipo di acciaio non contemplato
8	260	0	48								Tipo di acciaio non contemplato

ASTA NUM. 105 NI 288 NF 296 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-38	-272	3	0	0	68								Tipo di acciaio non contemplato
1B	0	-38	219	3	0	0	-54								Tipo di acciaio non contemplato
1C	0	-38	-272	-2	0	0	68								Tipo di acciaio non contemplato
1D	0	-38	219	-2	0	0	-54								Tipo di acciaio non contemplato
1E	0	188	-272	3	0	0	68								Tipo di acciaio non contemplato
1F	0	188	219	3	0	0	-54								Tipo di acciaio non contemplato
1G	0	188	-272	-2	0	0	68								Tipo di acciaio non contemplato
1H	0	188	219	-2	0	0	-54								Tipo di acciaio non contemplato
1I	0	7	-629	2	0	0	157								Tipo di acciaio non contemplato
1J	0	7	575	2	0	0	-143								Tipo di acciaio non contemplato
1K	0	7	-629	-2	0	0	157								Tipo di acciaio non contemplato
1L	0	7	575	-2	0	0	-143								Tipo di acciaio non contemplato
1M	0	143	-629	2	0	0	157								Tipo di acciaio non contemplato
1N	0	143	575	2	0	0	-143								Tipo di acciaio non contemplato
1O	0	143	-629	-2	0	0	157								Tipo di acciaio non contemplato
1P	0	143	575	-2	0	0	-143								Tipo di acciaio non contemplato
2	0	244	-246	0	0	0	62								Tipo di acciaio non contemplato
7	0	218	-227	0	0	0	57								Tipo di acciaio non contemplato
8	0	201	-187	0	0	0	47								Tipo di acciaio non contemplato
1A	25	-38	-275	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-38	216	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-38	-275	-2	0	0	0								Tipo di acciaio non contemplato
1D	25	-38	216	-2	0	0	0								Tipo di acciaio non contemplato
1E	25	188	-275	3	0	0	0								Tipo di acciaio non contemplato
1F	25	188	216	3	0	0	0								Tipo di acciaio non contemplato

1G	25	188	-275	-2	0	0	0	Tipo di acciaio non contemplato
1H	25	188	216	-2	0	0	0	Tipo di acciaio non contemplato
1I	25	7	-631	2	0	0	0	Tipo di acciaio non contemplato
1J	25	7	573	2	0	0	0	Tipo di acciaio non contemplato
1K	25	7	-631	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	7	573	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	143	-631	2	0	0	0	Tipo di acciaio non contemplato
1N	25	143	573	2	0	0	0	Tipo di acciaio non contemplato
1O	25	143	-631	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	143	573	-2	0	0	0	Tipo di acciaio non contemplato
2	25	244	-249	0	0	0	0	Tipo di acciaio non contemplato
7	25	218	-230	0	0	0	0	Tipo di acciaio non contemplato
8	25	201	-190	0	0	0	0	Tipo di acciaio non contemplato
1A	50	-38	-277	3	0	0	-69	Tipo di acciaio non contemplato
1B	50	-38	214	3	0	0	54	Tipo di acciaio non contemplato
1C	50	-38	-277	-2	0	0	-69	Tipo di acciaio non contemplato
1D	50	-38	214	-2	0	0	54	Tipo di acciaio non contemplato
1E	50	188	-277	3	0	0	-69	Tipo di acciaio non contemplato
1F	50	188	214	3	0	0	54	Tipo di acciaio non contemplato
1G	50	188	-277	-2	0	0	-69	Tipo di acciaio non contemplato
1H	50	188	214	-2	0	0	54	Tipo di acciaio non contemplato
1I	50	7	-633	2	0	0	-158	Tipo di acciaio non contemplato
1J	50	7	570	2	0	0	143	Tipo di acciaio non contemplato
1K	50	7	-633	-2	0	0	-158	Tipo di acciaio non contemplato
1L	50	7	570	-2	0	0	143	Tipo di acciaio non contemplato
1M	50	143	-633	2	0	0	-158	Tipo di acciaio non contemplato
1N	50	143	570	2	0	0	143	Tipo di acciaio non contemplato
1O	50	143	-633	-2	0	0	-158	Tipo di acciaio non contemplato
1P	50	143	570	-2	0	0	143	Tipo di acciaio non contemplato
2	50	244	-252	0	0	0	-63	Tipo di acciaio non contemplato
7	50	218	-233	0	0	0	-58	Tipo di acciaio non contemplato
8	50	201	-193	0	0	0	-48	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-38	0	28								Tipo di acciaio non contemplato
1B	-38	0	22								Tipo di acciaio non contemplato
1C	-38	0	28								Tipo di acciaio non contemplato
1D	-38	0	22								Tipo di acciaio non contemplato
1E	188	0	28								Tipo di acciaio non contemplato
1F	188	0	22								Tipo di acciaio non contemplato
1G	188	0	28								Tipo di acciaio non contemplato
1H	188	0	22								Tipo di acciaio non contemplato
1I	7	0	63								Tipo di acciaio non contemplato
1J	7	0	57								Tipo di acciaio non contemplato
1K	7	0	63								Tipo di acciaio non contemplato
1L	7	0	57								Tipo di acciaio non contemplato
1M	143	0	63								Tipo di acciaio non contemplato
1N	143	0	57								Tipo di acciaio non contemplato
1O	143	0	63								Tipo di acciaio non contemplato
1P	143	0	57								Tipo di acciaio non contemplato
2	244	0	25								Tipo di acciaio non contemplato
7	218	0	23								Tipo di acciaio non contemplato
8	201	0	19								Tipo di acciaio non contemplato

ASTA NUM. 106 NI 328 NF 336 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-48	-262	58	0	0	66								Tipo di acciaio non contemplato
1B	0	-48	248	58	0	0	-62								Tipo di acciaio non contemplato
1C	0	-48	-262	-52	0	0	66								Tipo di acciaio non contemplato
1D	0	-48	248	-52	0	0	-62								Tipo di acciaio non contemplato
1E	0	145	-262	58	0	0	66								Tipo di acciaio non contemplato
1F	0	145	248	58	0	0	-62								Tipo di acciaio non contemplato
1G	0	145	-262	-52	0	0	66								Tipo di acciaio non contemplato
1H	0	145	248	-52	0	0	-62								Tipo di acciaio non contemplato
1I	0	15	-587	46	0	0	147								Tipo di acciaio non contemplato
1J	0	15	573	46	0	0	-143								Tipo di acciaio non contemplato
1K	0	15	-587	-40	0	0	147								Tipo di acciaio non contemplato
1L	0	15	573	-40	0	0	-143								Tipo di acciaio non contemplato
1M	0	82	-587	46	0	0	147								Tipo di acciaio non contemplato
1N	0	82	573	46	0	0	-143								Tipo di acciaio non contemplato
1O	0	82	-587	-40	0	0	147								Tipo di acciaio non contemplato
1P	0	82	573	-40	0	0	-143								Tipo di acciaio non contemplato
2	0	110	-176	5	0	0	44								Tipo di acciaio non contemplato
7	0	110	-177	4	0	0	45								Tipo di acciaio non contemplato
8	0	96	-127	5	0	0	32								Tipo di acciaio non contemplato
1A	25	-48	-264	58	0	14	0								Tipo di acciaio non contemplato
1B	25	-48	246	58	0	14	0								Tipo di acciaio non contemplato
1C	25	-48	-264	-52	0	-15	0								Tipo di acciaio non contemplato
1D	25	-48	246	-52	0	-15	0								Tipo di acciaio non contemplato

1E	25	145	-264	58	0	14	0	Tipo di acciaio non contemplato
1F	25	145	246	58	0	14	0	Tipo di acciaio non contemplato
1G	25	145	-264	-52	0	-15	0	Tipo di acciaio non contemplato
1H	25	145	246	-52	0	-15	0	Tipo di acciaio non contemplato
1I	25	15	-589	46	0	11	0	Tipo di acciaio non contemplato
1J	25	15	571	46	0	11	0	Tipo di acciaio non contemplato
1K	25	15	-589	-40	0	-12	0	Tipo di acciaio non contemplato
1L	25	15	571	-40	0	-12	0	Tipo di acciaio non contemplato
1M	25	82	-589	46	0	11	0	Tipo di acciaio non contemplato
1N	25	82	571	46	0	11	0	Tipo di acciaio non contemplato
1O	25	82	-589	-40	0	-12	0	Tipo di acciaio non contemplato
1P	25	82	571	-40	0	-12	0	Tipo di acciaio non contemplato
2	25	110	-179	5	0	-1	0	Tipo di acciaio non contemplato
7	25	110	-180	4	0	-1	0	Tipo di acciaio non contemplato
8	25	96	-130	5	0	-1	0	Tipo di acciaio non contemplato
1A	50	-48	-266	58	0	27	-66	Tipo di acciaio non contemplato
1B	50	-48	244	58	0	27	61	Tipo di acciaio non contemplato
1C	50	-48	-266	-52	0	-30	-66	Tipo di acciaio non contemplato
1D	50	-48	244	-52	0	-30	61	Tipo di acciaio non contemplato
1E	50	145	-266	58	0	27	-66	Tipo di acciaio non contemplato
1F	50	145	244	58	0	27	61	Tipo di acciaio non contemplato
1G	50	145	-266	-52	0	-30	-66	Tipo di acciaio non contemplato
1H	50	145	244	-52	0	-30	61	Tipo di acciaio non contemplato
1I	50	15	-591	46	0	21	-147	Tipo di acciaio non contemplato
1J	50	15	569	46	0	21	143	Tipo di acciaio non contemplato
1K	50	15	-591	-40	0	-24	-147	Tipo di acciaio non contemplato
1L	50	15	569	-40	0	-24	143	Tipo di acciaio non contemplato
1M	50	82	-591	46	0	21	-147	Tipo di acciaio non contemplato
1N	50	82	569	46	0	21	143	Tipo di acciaio non contemplato
1O	50	82	-591	-40	0	-24	-147	Tipo di acciaio non contemplato
1P	50	82	569	-40	0	-24	143	Tipo di acciaio non contemplato
2	50	110	-182	5	0	-2	-45	Tipo di acciaio non contemplato
7	50	110	-182	4	0	-2	-45	Tipo di acciaio non contemplato
8	50	96	-133	5	0	-2	-33	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-48	16	26								Tipo di acciaio non contemplato
1B	-48	16	25								Tipo di acciaio non contemplato
1C	-48	18	26								Tipo di acciaio non contemplato
1D	-48	18	25								Tipo di acciaio non contemplato
1E	145	16	26								Tipo di acciaio non contemplato
1F	145	16	25								Tipo di acciaio non contemplato
1G	145	18	26								Tipo di acciaio non contemplato
1H	145	18	25								Tipo di acciaio non contemplato
1I	15	13	59								Tipo di acciaio non contemplato
1J	15	13	57								Tipo di acciaio non contemplato
1K	15	14	59								Tipo di acciaio non contemplato
1L	15	14	57								Tipo di acciaio non contemplato
1M	82	13	59								Tipo di acciaio non contemplato
1N	82	13	57								Tipo di acciaio non contemplato
1O	82	14	59								Tipo di acciaio non contemplato
1P	82	14	57								Tipo di acciaio non contemplato
2	110	2	18								Tipo di acciaio non contemplato
7	110	1	18								Tipo di acciaio non contemplato
8	96	2	13								Tipo di acciaio non contemplato

ASTA NUM. 107 NI 187 NF 195 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-110	-151	90	0	0	38								Tipo di acciaio non contemplato
1B	0	-110	153	90	0	0	-38								Tipo di acciaio non contemplato
1C	0	-110	-151	-129	0	0	38								Tipo di acciaio non contemplato
1D	0	-110	153	-129	0	0	-38								Tipo di acciaio non contemplato
1E	0	168	-151	90	0	0	38								Tipo di acciaio non contemplato
1F	0	168	153	90	0	0	-38								Tipo di acciaio non contemplato
1G	0	168	-151	-129	0	0	38								Tipo di acciaio non contemplato
1H	0	168	153	-129	0	0	-38								Tipo di acciaio non contemplato
1I	0	-68	-72	65	0	0	18								Tipo di acciaio non contemplato
1J	0	-68	75	65	0	0	-18								Tipo di acciaio non contemplato
1K	0	-68	-72	-105	0	-1	18								Tipo di acciaio non contemplato
1L	0	-68	75	-105	0	-1	-18								Tipo di acciaio non contemplato
1M	0	126	-72	65	0	0	18								Tipo di acciaio non contemplato
1N	0	126	75	65	0	0	-18								Tipo di acciaio non contemplato
1O	0	126	-72	-105	0	-1	18								Tipo di acciaio non contemplato
1P	0	126	75	-105	0	-1	-18								Tipo di acciaio non contemplato
2	0	200	4	-115	0	0	0								Tipo di acciaio non contemplato
7	0	187	6	-102	0	0	-1								Tipo di acciaio non contemplato
8	0	148	2	-84	0	0	0								Tipo di acciaio non contemplato
1A	25	-110	-153	90	0	33	0								Tipo di acciaio non contemplato
1B	25	-110	151	90	0	33	0								Tipo di acciaio non contemplato

1C	25	-110	-153	-129	0	-23	0		Tipo di acciaio non contemplato
1D	25	-110	151	-129	0	-23	0		Tipo di acciaio non contemplato
1E	25	168	-153	90	0	33	0		Tipo di acciaio non contemplato
1F	25	168	151	90	0	33	0		Tipo di acciaio non contemplato
1G	25	168	-153	-129	0	-23	0		Tipo di acciaio non contemplato
1H	25	168	151	-129	0	-23	0		Tipo di acciaio non contemplato
1I	25	-68	-75	65	0	27	0		Tipo di acciaio non contemplato
1J	25	-68	73	65	0	27	0		Tipo di acciaio non contemplato
1K	25	-68	-75	-105	0	-17	0		Tipo di acciaio non contemplato
1L	25	-68	73	-105	0	-17	0		Tipo di acciaio non contemplato
1M	25	126	-75	65	0	27	0		Tipo di acciaio non contemplato
1N	25	126	73	65	0	27	0		Tipo di acciaio non contemplato
1O	25	126	-75	-105	0	-17	0		Tipo di acciaio non contemplato
1P	25	126	73	-105	0	-17	0		Tipo di acciaio non contemplato
2	25	200	1	-115	0	28	0		Tipo di acciaio non contemplato
7	25	187	3	-102	0	25	0		Tipo di acciaio non contemplato
8	25	148	-0	-84	0	20	0		Tipo di acciaio non contemplato
1A	50	-110	-155	90	0	65	-38		Tipo di acciaio non contemplato
1B	50	-110	149	90	0	65	38		Tipo di acciaio non contemplato
1C	50	-110	-155	-129	0	-46	-38		Tipo di acciaio non contemplato
1D	50	-110	149	-129	0	-46	38		Tipo di acciaio non contemplato
1E	50	168	-155	90	0	65	-38		Tipo di acciaio non contemplato
1F	50	168	149	90	0	65	38		Tipo di acciaio non contemplato
1G	50	168	-155	-129	0	-46	-38		Tipo di acciaio non contemplato
1H	50	168	149	-129	0	-46	38		Tipo di acciaio non contemplato
1I	50	-68	-77	65	0	53	-19		Tipo di acciaio non contemplato
1J	50	-68	70	65	0	53	18		Tipo di acciaio non contemplato
1K	50	-68	-77	-105	0	-33	-19		Tipo di acciaio non contemplato
1L	50	-68	70	-105	0	-33	18		Tipo di acciaio non contemplato
1M	50	126	-77	65	0	53	-19		Tipo di acciaio non contemplato
1N	50	126	70	65	0	53	18		Tipo di acciaio non contemplato
1O	50	126	-77	-105	0	-33	-19		Tipo di acciaio non contemplato
1P	50	126	70	-105	0	-33	18		Tipo di acciaio non contemplato
2	50	200	-1	-115	0	57	0		Tipo di acciaio non contemplato
7	50	187	1	-102	0	50	0		Tipo di acciaio non contemplato
8	50	148	-3	-84	0	41	0		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-110	39	15								Tipo di acciaio non contemplato
1B	-110	39	15								Tipo di acciaio non contemplato
1C	-110	28	15								Tipo di acciaio non contemplato
1D	-110	28	15								Tipo di acciaio non contemplato
1E	168	39	15								Tipo di acciaio non contemplato
1F	168	39	15								Tipo di acciaio non contemplato
1G	168	28	15								Tipo di acciaio non contemplato
1H	168	28	15								Tipo di acciaio non contemplato
1I	-68	32	8								Tipo di acciaio non contemplato
1J	-68	32	7								Tipo di acciaio non contemplato
1K	-68	20	8								Tipo di acciaio non contemplato
1L	-68	20	7								Tipo di acciaio non contemplato
1M	126	32	8								Tipo di acciaio non contemplato
1N	126	32	7								Tipo di acciaio non contemplato
1O	126	20	8								Tipo di acciaio non contemplato
1P	126	20	7								Tipo di acciaio non contemplato
2	200	34	0								Tipo di acciaio non contemplato
7	187	30	0								Tipo di acciaio non contemplato
8	148	25	0								Tipo di acciaio non contemplato

ASTA NUM. 108 NI 207 NF 215 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-37	-236	45	0	1	59								Tipo di acciaio non contemplato
1B	0	-37	74	45	0	1	-18								Tipo di acciaio non contemplato
1C	0	-37	-236	-63	0	-1	59								Tipo di acciaio non contemplato
1D	0	-37	74	-63	0	-1	-18								Tipo di acciaio non contemplato
1E	0	140	-236	45	0	1	59								Tipo di acciaio non contemplato
1F	0	140	74	45	0	1	-18								Tipo di acciaio non contemplato
1G	0	140	-236	-63	0	-1	59								Tipo di acciaio non contemplato
1H	0	140	74	-63	0	-1	-18								Tipo di acciaio non contemplato
1I	0	5	-271	31	0	1	68								Tipo di acciaio non contemplato
1J	0	5	109	31	0	1	-27								Tipo di acciaio non contemplato
1K	0	5	-271	-49	0	-1	68								Tipo di acciaio non contemplato
1L	0	5	109	-49	0	-1	-27								Tipo di acciaio non contemplato
1M	0	98	-271	31	0	1	68								Tipo di acciaio non contemplato
1N	0	98	109	31	0	1	-27								Tipo di acciaio non contemplato
1O	0	98	-271	-49	0	-1	68								Tipo di acciaio non contemplato
1P	0	98	109	-49	0	-1	-27								Tipo di acciaio non contemplato
2	0	444	-406	-53	0	0	102								Tipo di acciaio non contemplato
7	0	406	-313	-47	0	0	79								Tipo di acciaio non contemplato
8	0	334	-326	-38	0	0	82								Tipo di acciaio non contemplato

1A	25	-37	-238	45	0	17	0	Tipo di acciaio non contemplato
1B	25	-37	72	45	0	17	0	Tipo di acciaio non contemplato
1C	25	-37	-238	-63	0	-12	0	Tipo di acciaio non contemplato
1D	25	-37	72	-63	0	-12	0	Tipo di acciaio non contemplato
1E	25	140	-238	45	0	17	0	Tipo di acciaio non contemplato
1F	25	140	72	45	0	17	0	Tipo di acciaio non contemplato
1G	25	140	-238	-63	0	-12	0	Tipo di acciaio non contemplato
1H	25	140	72	-63	0	-12	0	Tipo di acciaio non contemplato
1I	25	5	-273	31	0	13	0	Tipo di acciaio non contemplato
1J	25	5	107	31	0	13	0	Tipo di acciaio non contemplato
1K	25	5	-273	-49	0	-9	0	Tipo di acciaio non contemplato
1L	25	5	107	-49	0	-9	0	Tipo di acciaio non contemplato
1M	25	98	-273	31	0	13	0	Tipo di acciaio non contemplato
1N	25	98	107	31	0	13	0	Tipo di acciaio non contemplato
1O	25	98	-273	-49	0	-9	0	Tipo di acciaio non contemplato
1P	25	98	107	-49	0	-9	0	Tipo di acciaio non contemplato
2	25	444	-408	-53	0	13	0	Tipo di acciaio non contemplato
7	25	406	-316	-47	0	11	0	Tipo di acciaio non contemplato
8	25	334	-329	-38	0	9	0	Tipo di acciaio non contemplato
1A	50	-37	-240	45	0	32	-60	Tipo di acciaio non contemplato
1B	50	-37	69	45	0	32	18	Tipo di acciaio non contemplato
1C	50	-37	-240	-63	0	-23	-60	Tipo di acciaio non contemplato
1D	50	-37	69	-63	0	-23	18	Tipo di acciaio non contemplato
1E	50	140	-240	45	0	32	-60	Tipo di acciaio non contemplato
1F	50	140	69	45	0	32	18	Tipo di acciaio non contemplato
1G	50	140	-240	-63	0	-23	-60	Tipo di acciaio non contemplato
1H	50	140	69	-63	0	-23	18	Tipo di acciaio non contemplato
1I	50	5	-275	31	0	26	-68	Tipo di acciaio non contemplato
1J	50	5	105	31	0	26	27	Tipo di acciaio non contemplato
1K	50	5	-275	-49	0	-17	-68	Tipo di acciaio non contemplato
1L	50	5	105	-49	0	-17	27	Tipo di acciaio non contemplato
1M	50	98	-275	31	0	26	-68	Tipo di acciaio non contemplato
1N	50	98	105	31	0	26	27	Tipo di acciaio non contemplato
1O	50	98	-275	-49	0	-17	-68	Tipo di acciaio non contemplato
1P	50	98	105	-49	0	-17	27	Tipo di acciaio non contemplato
2	50	444	-411	-53	0	26	-102	Tipo di acciaio non contemplato
7	50	406	-319	-47	0	23	-79	Tipo di acciaio non contemplato
8	50	334	-332	-38	0	19	-82	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-37	20	24								Tipo di acciaio non contemplato
1B	-37	20	7								Tipo di acciaio non contemplato
1C	-37	15	24								Tipo di acciaio non contemplato
1D	-37	15	7								Tipo di acciaio non contemplato
1E	140	20	24								Tipo di acciaio non contemplato
1F	140	20	7								Tipo di acciaio non contemplato
1G	140	15	24								Tipo di acciaio non contemplato
1H	140	15	7								Tipo di acciaio non contemplato
1I	5	16	27								Tipo di acciaio non contemplato
1J	5	16	11								Tipo di acciaio non contemplato
1K	5	11	27								Tipo di acciaio non contemplato
1L	5	11	11								Tipo di acciaio non contemplato
1M	98	16	27								Tipo di acciaio non contemplato
1N	98	16	11								Tipo di acciaio non contemplato
1O	98	11	27								Tipo di acciaio non contemplato
1P	98	11	11								Tipo di acciaio non contemplato
2	444	16	41								Tipo di acciaio non contemplato
7	406	14	32								Tipo di acciaio non contemplato
8	334	11	33								Tipo di acciaio non contemplato

ASTA NUM. 109 NI 247 NF 255 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-3	-365	98	0	0	92								Tipo di acciaio non contemplato
1B	0	-3	164	98	0	0	-41								Tipo di acciaio non contemplato
1C	0	-3	-365	-83	0	0	92								Tipo di acciaio non contemplato
1D	0	-3	164	-83	0	0	-41								Tipo di acciaio non contemplato
1E	0	165	-365	98	0	0	92								Tipo di acciaio non contemplato
1F	0	165	164	98	0	0	-41								Tipo di acciaio non contemplato
1G	0	165	-365	-83	0	0	92								Tipo di acciaio non contemplato
1H	0	165	164	-83	0	0	-41								Tipo di acciaio non contemplato
1I	0	-3	-424	83	0	0	106								Tipo di acciaio non contemplato
1J	0	-3	223	83	0	0	-55								Tipo di acciaio non contemplato
1K	0	-3	-424	-68	0	0	106								Tipo di acciaio non contemplato
1L	0	-3	223	-68	0	0	-55								Tipo di acciaio non contemplato
1M	0	164	-424	83	0	0	106								Tipo di acciaio non contemplato
1N	0	164	223	83	0	0	-55								Tipo di acciaio non contemplato
1O	0	164	-424	-68	0	0	106								Tipo di acciaio non contemplato
1P	0	164	223	-68	0	0	-55								Tipo di acciaio non contemplato
2	0	661	-492	35	0	0	124								Tipo di acciaio non contemplato
7	0	602	-384	26	0	0	96								Tipo di acciaio non contemplato

8	0	494	-390	27	0	0	98	Tipo di acciaio non contemplato
1A	25	-3	-367	98	0	21	0	Tipo di acciaio non contemplato
1B	25	-3	162	98	0	21	0	Tipo di acciaio non contemplato
1C	25	-3	-367	-83	0	-24	0	Tipo di acciaio non contemplato
1D	25	-3	162	-83	0	-24	0	Tipo di acciaio non contemplato
1E	25	165	-367	98	0	21	0	Tipo di acciaio non contemplato
1F	25	165	162	98	0	21	0	Tipo di acciaio non contemplato
1G	25	165	-367	-83	0	-24	0	Tipo di acciaio non contemplato
1H	25	165	162	-83	0	-24	0	Tipo di acciaio non contemplato
1I	25	-3	-426	83	0	18	0	Tipo di acciaio non contemplato
1J	25	-3	221	83	0	18	0	Tipo di acciaio non contemplato
1K	25	-3	-426	-68	0	-21	0	Tipo di acciaio non contemplato
1L	25	-3	221	-68	0	-21	0	Tipo di acciaio non contemplato
1M	25	164	-426	83	0	18	0	Tipo di acciaio non contemplato
1N	25	164	221	83	0	18	0	Tipo di acciaio non contemplato
1O	25	164	-426	-68	0	-21	0	Tipo di acciaio non contemplato
1P	25	164	221	-68	0	-21	0	Tipo di acciaio non contemplato
2	25	661	-495	35	0	-8	0	Tipo di acciaio non contemplato
7	25	602	-387	26	0	-6	0	Tipo di acciaio non contemplato
8	25	494	-393	27	0	-6	0	Tipo di acciaio non contemplato
1A	50	-3	-369	98	0	42	-92	Tipo di acciaio non contemplato
1B	50	-3	160	98	0	42	40	Tipo di acciaio non contemplato
1C	50	-3	-369	-83	0	-49	-92	Tipo di acciaio non contemplato
1D	50	-3	160	-83	0	-49	40	Tipo di acciaio non contemplato
1E	50	165	-369	98	0	42	-92	Tipo di acciaio non contemplato
1F	50	165	160	98	0	42	40	Tipo di acciaio non contemplato
1G	50	165	-369	-83	0	-49	-92	Tipo di acciaio non contemplato
1H	50	165	160	-83	0	-49	40	Tipo di acciaio non contemplato
1I	50	-3	-428	83	0	34	-107	Tipo di acciaio non contemplato
1J	50	-3	219	83	0	34	55	Tipo di acciaio non contemplato
1K	50	-3	-428	-68	0	-41	-107	Tipo di acciaio non contemplato
1L	50	-3	219	-68	0	-41	55	Tipo di acciaio non contemplato
1M	50	164	-428	83	0	34	-107	Tipo di acciaio non contemplato
1N	50	164	219	83	0	34	55	Tipo di acciaio non contemplato
1O	50	164	-428	-68	0	-41	-107	Tipo di acciaio non contemplato
1P	50	164	219	-68	0	-41	55	Tipo di acciaio non contemplato
2	50	661	-498	35	0	-17	-124	Tipo di acciaio non contemplato
7	50	602	-389	26	0	-13	-97	Tipo di acciaio non contemplato
8	50	494	-396	27	0	-13	-98	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-3	25	37								Tipo di acciaio non contemplato
1B	-3	25	16								Tipo di acciaio non contemplato
1C	-3	29	37								Tipo di acciaio non contemplato
1D	-3	29	16								Tipo di acciaio non contemplato
1E	165	25	37								Tipo di acciaio non contemplato
1F	165	25	16								Tipo di acciaio non contemplato
1G	165	29	37								Tipo di acciaio non contemplato
1H	165	29	16								Tipo di acciaio non contemplato
1I	-3	21	43								Tipo di acciaio non contemplato
1J	-3	21	22								Tipo di acciaio non contemplato
1K	-3	25	43								Tipo di acciaio non contemplato
1L	-3	25	22								Tipo di acciaio non contemplato
1M	164	21	43								Tipo di acciaio non contemplato
1N	164	21	22								Tipo di acciaio non contemplato
1O	164	25	43								Tipo di acciaio non contemplato
1P	164	25	22								Tipo di acciaio non contemplato
2	661	10	50								Tipo di acciaio non contemplato
7	602	7	39								Tipo di acciaio non contemplato
8	494	8	39								Tipo di acciaio non contemplato

ASTA NUM. 110 NI 287 NF 295 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-28	-261	70	0	1	66								Tipo di acciaio non contemplato
1B	0	-28	209	70	0	1	-52								Tipo di acciaio non contemplato
1C	0	-28	-261	-58	0	0	66								Tipo di acciaio non contemplato
1D	0	-28	209	-58	0	0	-52								Tipo di acciaio non contemplato
1E	0	186	-261	70	0	1	66								Tipo di acciaio non contemplato
1F	0	186	209	70	0	1	-52								Tipo di acciaio non contemplato
1G	0	186	-261	-58	0	0	66								Tipo di acciaio non contemplato
1H	0	186	209	-58	0	0	-52								Tipo di acciaio non contemplato
1I	0	-18	-606	50	0	1	152								Tipo di acciaio non contemplato
1J	0	-18	553	50	0	1	-138								Tipo di acciaio non contemplato
1K	0	-18	-606	-39	0	0	152								Tipo di acciaio non contemplato
1L	0	-18	553	-39	0	0	-138								Tipo di acciaio non contemplato
1M	0	176	-606	50	0	1	152								Tipo di acciaio non contemplato
1N	0	176	553	50	0	1	-138								Tipo di acciaio non contemplato
1O	0	176	-606	-39	0	0	152								Tipo di acciaio non contemplato
1P	0	176	553	-39	0	0	-138								Tipo di acciaio non contemplato

2	0	501	-132	20	0	0	34	Tipo di acciaio non contemplato
7	0	485	-113	15	0	0	29	Tipo di acciaio non contemplato
8	0	383	-107	16	0	0	27	Tipo di acciaio non contemplato
1A	25	-28	-263	70	0	-17	0	Tipo di acciaio non contemplato
1B	25	-28	206	70	0	-17	0	Tipo di acciaio non contemplato
1C	25	-28	-263	-58	0	14	0	Tipo di acciaio non contemplato
1D	25	-28	206	-58	0	14	0	Tipo di acciaio non contemplato
1E	25	186	-263	70	0	-17	0	Tipo di acciaio non contemplato
1F	25	186	206	70	0	-17	0	Tipo di acciaio non contemplato
1G	25	186	-263	-58	0	14	0	Tipo di acciaio non contemplato
1H	25	186	206	-58	0	14	0	Tipo di acciaio non contemplato
1I	25	-18	-608	50	0	-12	0	Tipo di acciaio non contemplato
1J	25	-18	551	50	0	-12	0	Tipo di acciaio non contemplato
1K	25	-18	-608	-39	0	9	0	Tipo di acciaio non contemplato
1L	25	-18	551	-39	0	9	0	Tipo di acciaio non contemplato
1M	25	176	-608	50	0	-12	0	Tipo di acciaio non contemplato
1N	25	176	551	50	0	-12	0	Tipo di acciaio non contemplato
1O	25	176	-608	-39	0	9	0	Tipo di acciaio non contemplato
1P	25	176	551	-39	0	9	0	Tipo di acciaio non contemplato
2	25	501	-135	20	0	-4	0	Tipo di acciaio non contemplato
7	25	485	-116	15	0	-3	0	Tipo di acciaio non contemplato
8	25	383	-110	16	0	-4	0	Tipo di acciaio non contemplato
1A	50	-28	-266	70	0	-34	-66	Tipo di acciaio non contemplato
1B	50	-28	204	70	0	-34	51	Tipo di acciaio non contemplato
1C	50	-28	-266	-58	0	29	-66	Tipo di acciaio non contemplato
1D	50	-28	204	-58	0	29	51	Tipo di acciaio non contemplato
1E	50	186	-266	70	0	-34	-66	Tipo di acciaio non contemplato
1F	50	186	204	70	0	-34	51	Tipo di acciaio non contemplato
1G	50	186	-266	-58	0	29	-66	Tipo di acciaio non contemplato
1H	50	186	204	-58	0	29	51	Tipo di acciaio non contemplato
1I	50	-18	-610	50	0	-25	-152	Tipo di acciaio non contemplato
1J	50	-18	549	50	0	-25	138	Tipo di acciaio non contemplato
1K	50	-18	-610	-39	0	19	-152	Tipo di acciaio non contemplato
1L	50	-18	549	-39	0	19	138	Tipo di acciaio non contemplato
1M	50	176	-610	50	0	-25	-152	Tipo di acciaio non contemplato
1N	50	176	549	50	0	-25	138	Tipo di acciaio non contemplato
1O	50	176	-610	-39	0	19	-152	Tipo di acciaio non contemplato
1P	50	176	549	-39	0	19	138	Tipo di acciaio non contemplato
2	50	501	-138	20	0	-9	-34	Tipo di acciaio non contemplato
7	50	485	-119	15	0	-7	-29	Tipo di acciaio non contemplato
8	50	383	-113	16	0	-8	-28	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-28	20	26								Tipo di acciaio non contemplato
1B	-28	20	21								Tipo di acciaio non contemplato
1C	-28	17	26								Tipo di acciaio non contemplato
1D	-28	17	21								Tipo di acciaio non contemplato
1E	186	20	26								Tipo di acciaio non contemplato
1F	186	20	21								Tipo di acciaio non contemplato
1G	186	17	26								Tipo di acciaio non contemplato
1H	186	17	21								Tipo di acciaio non contemplato
1I	-18	15	61								Tipo di acciaio non contemplato
1J	-18	15	55								Tipo di acciaio non contemplato
1K	-18	11	61								Tipo di acciaio non contemplato
1L	-18	11	55								Tipo di acciaio non contemplato
1M	176	15	61								Tipo di acciaio non contemplato
1N	176	15	55								Tipo di acciaio non contemplato
1O	176	11	61								Tipo di acciaio non contemplato
1P	176	11	55								Tipo di acciaio non contemplato
2	501	5	14								Tipo di acciaio non contemplato
7	485	4	12								Tipo di acciaio non contemplato
8	383	4	11								Tipo di acciaio non contemplato

ASTA NUM. 111 NI 327 NF 335 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-45	-262	112	0	0	66								Tipo di acciaio non contemplato
1B	0	-45	252	112	0	0	-63								Tipo di acciaio non contemplato
1C	0	-45	-262	-98	0	0	66								Tipo di acciaio non contemplato
1D	0	-45	252	-98	0	0	-63								Tipo di acciaio non contemplato
1E	0	166	-262	112	0	0	66								Tipo di acciaio non contemplato
1F	0	166	252	112	0	0	-63								Tipo di acciaio non contemplato
1G	0	166	-262	-98	0	0	66								Tipo di acciaio non contemplato
1H	0	166	252	-98	0	0	-63								Tipo di acciaio non contemplato
1I	0	-33	-564	98	0	0	141								Tipo di acciaio non contemplato
1J	0	-33	555	98	0	0	-138								Tipo di acciaio non contemplato
1K	0	-33	-564	-84	0	0	141								Tipo di acciaio non contemplato
1L	0	-33	555	-84	0	0	-138								Tipo di acciaio non contemplato
1M	0	153	-564	98	0	0	141								Tipo di acciaio non contemplato
1N	0	153	555	98	0	0	-138								Tipo di acciaio non contemplato

1O	0	153	-564	-84	0	0	141	Tipo di acciaio non contemplato
1P	0	153	555	-84	0	0	-138	Tipo di acciaio non contemplato
2	0	335	-89	7	0	0	23	Tipo di acciaio non contemplato
7	0	336	-89	6	0	0	23	Tipo di acciaio non contemplato
8	0	258	-65	8	0	0	17	Tipo di acciaio non contemplato
1A	25	-45	-264	112	0	-27	0	Tipo di acciaio non contemplato
1B	25	-45	250	112	0	-27	0	Tipo di acciaio non contemplato
1C	25	-45	-264	-98	0	24	0	Tipo di acciaio non contemplato
1D	25	-45	250	-98	0	24	0	Tipo di acciaio non contemplato
1E	25	166	-264	112	0	-27	0	Tipo di acciaio non contemplato
1F	25	166	250	112	0	-27	0	Tipo di acciaio non contemplato
1G	25	166	-264	-98	0	24	0	Tipo di acciaio non contemplato
1H	25	166	250	-98	0	24	0	Tipo di acciaio non contemplato
1I	25	-33	-566	98	0	-24	0	Tipo di acciaio non contemplato
1J	25	-33	552	98	0	-24	0	Tipo di acciaio non contemplato
1K	25	-33	-566	-84	0	21	0	Tipo di acciaio non contemplato
1L	25	-33	552	-84	0	21	0	Tipo di acciaio non contemplato
1M	25	153	-566	98	0	-24	0	Tipo di acciaio non contemplato
1N	25	153	552	98	0	-24	0	Tipo di acciaio non contemplato
1O	25	153	-566	-84	0	21	0	Tipo di acciaio non contemplato
1P	25	153	552	-84	0	21	0	Tipo di acciaio non contemplato
2	25	335	-91	7	0	-2	0	Tipo di acciaio non contemplato
7	25	336	-92	6	0	-2	0	Tipo di acciaio non contemplato
8	25	258	-68	8	0	-2	0	Tipo di acciaio non contemplato
1A	50	-45	-266	112	0	-55	-66	Tipo di acciaio non contemplato
1B	50	-45	248	112	0	-55	62	Tipo di acciaio non contemplato
1C	50	-45	-266	-98	0	49	-66	Tipo di acciaio non contemplato
1D	50	-45	248	-98	0	49	62	Tipo di acciaio non contemplato
1E	50	166	-266	112	0	-55	-66	Tipo di acciaio non contemplato
1F	50	166	248	112	0	-55	62	Tipo di acciaio non contemplato
1G	50	166	-266	-98	0	49	-66	Tipo di acciaio non contemplato
1H	50	166	248	-98	0	49	62	Tipo di acciaio non contemplato
1I	50	-33	-569	98	0	-49	-142	Tipo di acciaio non contemplato
1J	50	-33	550	98	0	-49	138	Tipo di acciaio non contemplato
1K	50	-33	-569	-84	0	42	-142	Tipo di acciaio non contemplato
1L	50	-33	550	-84	0	42	138	Tipo di acciaio non contemplato
1M	50	153	-569	98	0	-49	-142	Tipo di acciaio non contemplato
1N	50	153	550	98	0	-49	138	Tipo di acciaio non contemplato
1O	50	153	-569	-84	0	42	-142	Tipo di acciaio non contemplato
1P	50	153	550	-84	0	42	138	Tipo di acciaio non contemplato
2	50	335	-94	7	0	-3	-23	Tipo di acciaio non contemplato
7	50	336	-95	6	0	-3	-23	Tipo di acciaio non contemplato
8	50	258	-71	8	0	-4	-17	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-45	33	26								Tipo di acciaio non contemplato
1B	-45	33	25								Tipo di acciaio non contemplato
1C	-45	29	26								Tipo di acciaio non contemplato
1D	-45	29	25								Tipo di acciaio non contemplato
1E	166	33	26								Tipo di acciaio non contemplato
1F	166	33	25								Tipo di acciaio non contemplato
1G	166	29	26								Tipo di acciaio non contemplato
1H	166	29	25								Tipo di acciaio non contemplato
1I	-33	29	57								Tipo di acciaio non contemplato
1J	-33	29	55								Tipo di acciaio non contemplato
1K	-33	25	57								Tipo di acciaio non contemplato
1L	-33	25	55								Tipo di acciaio non contemplato
1M	153	29	57								Tipo di acciaio non contemplato
1N	153	29	55								Tipo di acciaio non contemplato
1O	153	25	57								Tipo di acciaio non contemplato
1P	153	25	55								Tipo di acciaio non contemplato
2	335	2	9								Tipo di acciaio non contemplato
7	336	2	9								Tipo di acciaio non contemplato
8	258	2	7								Tipo di acciaio non contemplato

ASTA NUM. 112 NI 186 NF 194 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-121	-120	82	0	0	31								Tipo di acciaio non contemplato
1B	0	-121	130	82	0	0	-32								Tipo di acciaio non contemplato
1C	0	-121	-120	-112	0	0	31								Tipo di acciaio non contemplato
1D	0	-121	130	-112	0	0	-32								Tipo di acciaio non contemplato
1E	0	85	-120	82	0	0	31								Tipo di acciaio non contemplato
1F	0	85	130	82	0	0	-32								Tipo di acciaio non contemplato
1G	0	85	-120	-112	0	0	31								Tipo di acciaio non contemplato
1H	0	85	130	-112	0	0	-32								Tipo di acciaio non contemplato
1I	0	-83	-47	65	0	0	12								Tipo di acciaio non contemplato
1J	0	-83	57	65	0	0	-14								Tipo di acciaio non contemplato
1K	0	-83	-47	-95	0	0	12								Tipo di acciaio non contemplato
1L	0	-83	57	-95	0	0	-14								Tipo di acciaio non contemplato

1M	0	46	-47	65	0	0	12	Tipo di acciaio non contemplato
1N	0	46	57	65	0	0	-14	Tipo di acciaio non contemplato
1O	0	46	-47	-95	0	0	12	Tipo di acciaio non contemplato
1P	0	46	57	-95	0	0	-14	Tipo di acciaio non contemplato
2	0	-191	91	-90	0	-2	-21	Tipo di acciaio non contemplato
7	0	-145	79	-80	0	-1	-18	Tipo di acciaio non contemplato
8	0	-169	76	-66	0	-1	-18	Tipo di acciaio non contemplato
1A	25	-121	-122	82	0	-20	0	Tipo di acciaio non contemplato
1B	25	-121	128	82	0	-20	0	Tipo di acciaio non contemplato
1C	25	-121	-122	-112	0	27	0	Tipo di acciaio non contemplato
1D	25	-121	128	-112	0	27	0	Tipo di acciaio non contemplato
1E	25	85	-122	82	0	-20	0	Tipo di acciaio non contemplato
1F	25	85	128	82	0	-20	0	Tipo di acciaio non contemplato
1G	25	85	-122	-112	0	27	0	Tipo di acciaio non contemplato
1H	25	85	128	-112	0	27	0	Tipo di acciaio non contemplato
1I	25	-83	-49	65	0	-16	0	Tipo di acciaio non contemplato
1J	25	-83	55	65	0	-16	0	Tipo di acciaio non contemplato
1K	25	-83	-49	-95	0	23	0	Tipo di acciaio non contemplato
1L	25	-83	55	-95	0	23	0	Tipo di acciaio non contemplato
1M	25	46	-49	65	0	-16	0	Tipo di acciaio non contemplato
1N	25	46	55	65	0	-16	0	Tipo di acciaio non contemplato
1O	25	46	-49	-95	0	23	0	Tipo di acciaio non contemplato
1P	25	46	55	-95	0	23	0	Tipo di acciaio non contemplato
2	25	-191	88	-90	0	21	1	Tipo di acciaio non contemplato
7	25	-145	76	-80	0	19	1	Tipo di acciaio non contemplato
8	25	-169	73	-66	0	15	0	Tipo di acciaio non contemplato
1A	50	-121	-124	82	0	-41	-30	Tipo di acciaio non contemplato
1B	50	-121	126	82	0	-41	32	Tipo di acciaio non contemplato
1C	50	-121	-124	-112	0	55	-30	Tipo di acciaio non contemplato
1D	50	-121	126	-112	0	55	32	Tipo di acciaio non contemplato
1E	50	85	-124	82	0	-41	-30	Tipo di acciaio non contemplato
1F	50	85	126	82	0	-41	32	Tipo di acciaio non contemplato
1G	50	85	-124	-112	0	55	-30	Tipo di acciaio non contemplato
1H	50	85	126	-112	0	55	32	Tipo di acciaio non contemplato
1I	50	-83	-51	65	0	-33	-12	Tipo di acciaio non contemplato
1J	50	-83	53	65	0	-33	14	Tipo di acciaio non contemplato
1K	50	-83	-51	-95	0	47	-12	Tipo di acciaio non contemplato
1L	50	-83	53	-95	0	47	14	Tipo di acciaio non contemplato
1M	50	46	-51	65	0	-33	-12	Tipo di acciaio non contemplato
1N	50	46	53	65	0	-33	14	Tipo di acciaio non contemplato
1O	50	46	-51	-95	0	47	-12	Tipo di acciaio non contemplato
1P	50	46	53	-95	0	47	14	Tipo di acciaio non contemplato
2	50	-191	86	-90	0	43	23	Tipo di acciaio non contemplato
7	50	-145	73	-80	0	39	20	Tipo di acciaio non contemplato
8	50	-169	70	-66	0	32	19	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-121	25	12								Tipo di acciaio non contemplato
1B	-121	25	13								Tipo di acciaio non contemplato
1C	-121	33	12								Tipo di acciaio non contemplato
1D	-121	33	13								Tipo di acciaio non contemplato
1E	85	25	12								Tipo di acciaio non contemplato
1F	85	25	13								Tipo di acciaio non contemplato
1G	85	33	12								Tipo di acciaio non contemplato
1H	85	33	13								Tipo di acciaio non contemplato
1I	-83	20	5								Tipo di acciaio non contemplato
1J	-83	20	6								Tipo di acciaio non contemplato
1K	-83	28	5								Tipo di acciaio non contemplato
1L	-83	28	6								Tipo di acciaio non contemplato
1M	46	20	5								Tipo di acciaio non contemplato
1N	46	20	6								Tipo di acciaio non contemplato
1O	46	28	5								Tipo di acciaio non contemplato
1P	46	28	6								Tipo di acciaio non contemplato
2	-191	25	9								Tipo di acciaio non contemplato
7	-145	23	8								Tipo di acciaio non contemplato
8	-169	19	8								Tipo di acciaio non contemplato

ASTA NUM. 113 NI 206 NF 214 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-104	-237	164	0	0	60								Tipo di acciaio non contemplato
1B	0	-104	105	164	0	0	-26								Tipo di acciaio non contemplato
1C	0	-104	-237	-212	0	0	60								Tipo di acciaio non contemplato
1D	0	-104	105	-212	0	0	-26								Tipo di acciaio non contemplato
1E	0	110	-237	164	0	0	60								Tipo di acciaio non contemplato
1F	0	110	105	164	0	0	-26								Tipo di acciaio non contemplato
1G	0	110	-237	-212	0	0	60								Tipo di acciaio non contemplato
1H	0	110	105	-212	0	0	-26								Tipo di acciaio non contemplato
1I	0	-60	-259	130	0	0	65								Tipo di acciaio non contemplato
1J	0	-60	126	130	0	0	-31								Tipo di acciaio non contemplato

1K	0	-60	-259	-178	0	0	65	Tipo di acciaio non contemplato
1L	0	-60	126	-178	0	0	-31	Tipo di acciaio non contemplato
1M	0	66	-259	130	0	0	65	Tipo di acciaio non contemplato
1N	0	66	126	130	0	0	-31	Tipo di acciaio non contemplato
1O	0	66	-259	-178	0	0	65	Tipo di acciaio non contemplato
1P	0	66	126	-178	0	0	-31	Tipo di acciaio non contemplato
2	0	63	-260	-147	0	-1	66	Tipo di acciaio non contemplato
7	0	59	-184	-132	0	-1	47	Tipo di acciaio non contemplato
8	0	39	-216	-107	0	-1	55	Tipo di acciaio non contemplato
1A	25	-104	-239	164	0	-40	0	Tipo di acciaio non contemplato
1B	25	-104	102	164	0	-40	0	Tipo di acciaio non contemplato
1C	25	-104	-239	-212	0	52	0	Tipo di acciaio non contemplato
1D	25	-104	102	-212	0	52	0	Tipo di acciaio non contemplato
1E	25	110	-239	164	0	-40	0	Tipo di acciaio non contemplato
1F	25	110	102	164	0	-40	0	Tipo di acciaio non contemplato
1G	25	110	-239	-212	0	52	0	Tipo di acciaio non contemplato
1H	25	110	102	-212	0	52	0	Tipo di acciaio non contemplato
1I	25	-60	-261	130	0	-32	0	Tipo di acciaio non contemplato
1J	25	-60	124	130	0	-32	0	Tipo di acciaio non contemplato
1K	25	-60	-261	-178	0	44	0	Tipo di acciaio non contemplato
1L	25	-60	124	-178	0	44	0	Tipo di acciaio non contemplato
1M	25	66	-261	130	0	-32	0	Tipo di acciaio non contemplato
1N	25	66	124	130	0	-32	0	Tipo di acciaio non contemplato
1O	25	66	-261	-178	0	44	0	Tipo di acciaio non contemplato
1P	25	66	124	-178	0	44	0	Tipo di acciaio non contemplato
2	25	63	-263	-147	0	35	0	Tipo di acciaio non contemplato
7	25	59	-187	-132	0	32	0	Tipo di acciaio non contemplato
8	25	39	-219	-107	0	26	0	Tipo di acciaio non contemplato
1A	50	-104	-242	164	0	-81	-60	Tipo di acciaio non contemplato
1B	50	-104	100	164	0	-81	25	Tipo di acciaio non contemplato
1C	50	-104	-242	-212	0	105	-60	Tipo di acciaio non contemplato
1D	50	-104	100	-212	0	105	25	Tipo di acciaio non contemplato
1E	50	110	-242	164	0	-81	-60	Tipo di acciaio non contemplato
1F	50	110	100	164	0	-81	25	Tipo di acciaio non contemplato
1G	50	110	-242	-212	0	105	-60	Tipo di acciaio non contemplato
1H	50	110	100	-212	0	105	25	Tipo di acciaio non contemplato
1I	50	-60	-263	130	0	-65	-65	Tipo di acciaio non contemplato
1J	50	-60	122	130	0	-65	31	Tipo di acciaio non contemplato
1K	50	-60	-263	-178	0	88	-65	Tipo di acciaio non contemplato
1L	50	-60	122	-178	0	88	31	Tipo di acciaio non contemplato
1M	50	66	-263	130	0	-65	-65	Tipo di acciaio non contemplato
1N	50	66	122	130	0	-65	31	Tipo di acciaio non contemplato
1O	50	66	-263	-178	0	88	-65	Tipo di acciaio non contemplato
1P	50	66	122	-178	0	88	31	Tipo di acciaio non contemplato
2	50	63	-266	-147	0	72	-66	Tipo di acciaio non contemplato
7	50	59	-190	-132	0	65	-47	Tipo di acciaio non contemplato
8	50	39	-222	-107	0	53	-55	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-104	49	24								Tipo di acciaio non contemplato
1B	-104	49	10								Tipo di acciaio non contemplato
1C	-104	63	24								Tipo di acciaio non contemplato
1D	-104	63	10								Tipo di acciaio non contemplato
1E	110	49	24								Tipo di acciaio non contemplato
1F	110	49	10								Tipo di acciaio non contemplato
1G	110	63	24								Tipo di acciaio non contemplato
1H	110	63	10								Tipo di acciaio non contemplato
1I	-60	39	26								Tipo di acciaio non contemplato
1J	-60	39	13								Tipo di acciaio non contemplato
1K	-60	53	26								Tipo di acciaio non contemplato
1L	-60	53	13								Tipo di acciaio non contemplato
1M	66	39	26								Tipo di acciaio non contemplato
1N	66	39	13								Tipo di acciaio non contemplato
1O	66	53	26								Tipo di acciaio non contemplato
1P	66	53	13								Tipo di acciaio non contemplato
2	63	43	26								Tipo di acciaio non contemplato
7	59	38	19								Tipo di acciaio non contemplato
8	39	31	22								Tipo di acciaio non contemplato

ASTA NUM. 114 NI 246 NF 254 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-104	-274	3	0	0	69								Tipo di acciaio non contemplato
1B	0	-104	118	3	0	0	-29								Tipo di acciaio non contemplato
1C	0	-104	-274	-1	0	0	69								Tipo di acciaio non contemplato
1D	0	-104	118	-1	0	0	-29								Tipo di acciaio non contemplato
1E	0	107	-274	3	0	0	69								Tipo di acciaio non contemplato
1F	0	107	118	3	0	0	-29								Tipo di acciaio non contemplato
1G	0	107	-274	-1	0	0	69								Tipo di acciaio non contemplato
1H	0	107	118	-1	0	0	-29								Tipo di acciaio non contemplato

1I	0	-96	-355	4	0	0	90	Tipo di acciaio non contemplato
1J	0	-96	199	4	0	0	-49	Tipo di acciaio non contemplato
1K	0	-96	-355	-2	0	0	90	Tipo di acciaio non contemplato
1L	0	-96	199	-2	0	0	-49	Tipo di acciaio non contemplato
1M	0	99	-355	4	0	0	90	Tipo di acciaio non contemplato
1N	0	99	199	4	0	0	-49	Tipo di acciaio non contemplato
1O	0	99	-355	-2	0	0	90	Tipo di acciaio non contemplato
1P	0	99	199	-2	0	0	-49	Tipo di acciaio non contemplato
2	0	94	-280	7	0	1	71	Tipo di acciaio non contemplato
7	0	79	-194	6	0	0	50	Tipo di acciaio non contemplato
8	0	65	-232	5	0	0	59	Tipo di acciaio non contemplato
1A	25	-104	-276	3	0	0	0	Tipo di acciaio non contemplato
1B	25	-104	116	3	0	0	0	Tipo di acciaio non contemplato
1C	25	-104	-276	-1	0	0	0	Tipo di acciaio non contemplato
1D	25	-104	116	-1	0	0	0	Tipo di acciaio non contemplato
1E	25	107	-276	3	0	0	0	Tipo di acciaio non contemplato
1F	25	107	116	3	0	0	0	Tipo di acciaio non contemplato
1G	25	107	-276	-1	0	0	0	Tipo di acciaio non contemplato
1H	25	107	116	-1	0	0	0	Tipo di acciaio non contemplato
1I	25	-96	-357	4	0	0	0	Tipo di acciaio non contemplato
1J	25	-96	197	4	0	0	0	Tipo di acciaio non contemplato
1K	25	-96	-357	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	-96	197	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	99	-357	4	0	0	0	Tipo di acciaio non contemplato
1N	25	99	197	4	0	0	0	Tipo di acciaio non contemplato
1O	25	99	-357	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	99	197	-2	0	0	0	Tipo di acciaio non contemplato
2	25	94	-282	7	0	0	0	Tipo di acciaio non contemplato
7	25	79	-196	6	0	0	0	Tipo di acciaio non contemplato
8	25	65	-235	5	0	0	0	Tipo di acciaio non contemplato
1A	50	-104	-279	3	0	-1	-69	Tipo di acciaio non contemplato
1B	50	-104	113	3	0	-1	29	Tipo di acciaio non contemplato
1C	50	-104	-279	-1	0	0	-69	Tipo di acciaio non contemplato
1D	50	-104	113	-1	0	0	29	Tipo di acciaio non contemplato
1E	50	107	-279	3	0	-1	-69	Tipo di acciaio non contemplato
1F	50	107	113	3	0	-1	29	Tipo di acciaio non contemplato
1G	50	107	-279	-1	0	0	-69	Tipo di acciaio non contemplato
1H	50	107	113	-1	0	0	29	Tipo di acciaio non contemplato
1I	50	-96	-360	4	0	-1	-89	Tipo di acciaio non contemplato
1J	50	-96	194	4	0	-1	49	Tipo di acciaio non contemplato
1K	50	-96	-360	-2	0	0	-89	Tipo di acciaio non contemplato
1L	50	-96	194	-2	0	0	49	Tipo di acciaio non contemplato
1M	50	99	-360	4	0	-1	-89	Tipo di acciaio non contemplato
1N	50	99	194	4	0	-1	49	Tipo di acciaio non contemplato
1O	50	99	-360	-2	0	0	-89	Tipo di acciaio non contemplato
1P	50	99	194	-2	0	0	49	Tipo di acciaio non contemplato
2	50	94	-285	7	0	-3	-70	Tipo di acciaio non contemplato
7	50	79	-199	6	0	-2	-49	Tipo di acciaio non contemplato
8	50	65	-238	5	0	-2	-58	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-104	1	28								Tipo di acciaio non contemplato
1B	-104	1	12								Tipo di acciaio non contemplato
1C	-104	0	28								Tipo di acciaio non contemplato
1D	-104	0	12								Tipo di acciaio non contemplato
1E	107	1	28								Tipo di acciaio non contemplato
1F	107	1	12								Tipo di acciaio non contemplato
1G	107	0	28								Tipo di acciaio non contemplato
1H	107	0	12								Tipo di acciaio non contemplato
1I	-96	1	36								Tipo di acciaio non contemplato
1J	-96	1	20								Tipo di acciaio non contemplato
1K	-96	0	36								Tipo di acciaio non contemplato
1L	-96	0	20								Tipo di acciaio non contemplato
1M	99	1	36								Tipo di acciaio non contemplato
1N	99	1	20								Tipo di acciaio non contemplato
1O	99	0	36								Tipo di acciaio non contemplato
1P	99	0	20								Tipo di acciaio non contemplato
2	94	1	28								Tipo di acciaio non contemplato
7	79	1	20								Tipo di acciaio non contemplato
8	65	1	24								Tipo di acciaio non contemplato

ASTA NUM. 115 NI 286 NF 294 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-293	-226	13	0	2	59								Tipo di acciaio non contemplato
1B	0	-293	176	13	0	2	-44								Tipo di acciaio non contemplato
1C	0	-293	-226	-9	0	-2	59								Tipo di acciaio non contemplato
1D	0	-293	176	-9	0	-2	-44								Tipo di acciaio non contemplato
1E	0	304	-226	13	0	2	59								Tipo di acciaio non contemplato
1F	0	304	176	13	0	2	-44								Tipo di acciaio non contemplato

1G	0	304	-226	-9	0	-2	59	Tipo di acciaio non contemplato
1H	0	304	176	-9	0	-2	-44	Tipo di acciaio non contemplato
1I	0	-701	-493	10	0	2	128	Tipo di acciaio non contemplato
1J	0	-701	443	10	0	2	-114	Tipo di acciaio non contemplato
1K	0	-701	-493	-6	0	0	128	Tipo di acciaio non contemplato
1L	0	-701	443	-6	0	0	-114	Tipo di acciaio non contemplato
1M	0	713	-493	10	0	2	128	Tipo di acciaio non contemplato
1N	0	713	443	10	0	2	-114	Tipo di acciaio non contemplato
1O	0	713	-493	-6	0	0	128	Tipo di acciaio non contemplato
1P	0	713	443	-6	0	0	-114	Tipo di acciaio non contemplato
2	0	530	-46	8	0	1	10	Tipo di acciaio non contemplato
7	0	396	-20	6	0	0	4	Tipo di acciaio non contemplato
8	0	370	-45	6	0	0	11	Tipo di acciaio non contemplato
1A	25	-293	-228	13	0	-1	2	Tipo di acciaio non contemplato
1B	25	-293	173	13	0	-1	0	Tipo di acciaio non contemplato
1C	25	-293	-228	-9	0	0	2	Tipo di acciaio non contemplato
1D	25	-293	173	-9	0	0	0	Tipo di acciaio non contemplato
1E	25	304	-228	13	0	-1	2	Tipo di acciaio non contemplato
1F	25	304	173	13	0	-1	0	Tipo di acciaio non contemplato
1G	25	304	-228	-9	0	0	2	Tipo di acciaio non contemplato
1H	25	304	173	-9	0	0	0	Tipo di acciaio non contemplato
1I	25	-701	-496	10	0	0	4	Tipo di acciaio non contemplato
1J	25	-701	441	10	0	0	-3	Tipo di acciaio non contemplato
1K	25	-701	-496	-6	0	0	4	Tipo di acciaio non contemplato
1L	25	-701	441	-6	0	0	-3	Tipo di acciaio non contemplato
1M	25	713	-496	10	0	0	4	Tipo di acciaio non contemplato
1N	25	713	441	10	0	0	-3	Tipo di acciaio non contemplato
1O	25	713	-496	-6	0	0	4	Tipo di acciaio non contemplato
1P	25	713	441	-6	0	0	-3	Tipo di acciaio non contemplato
2	25	530	-48	8	0	0	-2	Tipo di acciaio non contemplato
7	25	396	-22	6	0	0	0	Tipo di acciaio non contemplato
8	25	370	-48	6	0	0	0	Tipo di acciaio non contemplato
1A	50	-293	-230	13	0	-4	-55	Tipo di acciaio non contemplato
1B	50	-293	171	13	0	-4	42	Tipo di acciaio non contemplato
1C	50	-293	-230	-9	0	3	-55	Tipo di acciaio non contemplato
1D	50	-293	171	-9	0	3	42	Tipo di acciaio non contemplato
1E	50	304	-230	13	0	-4	-55	Tipo di acciaio non contemplato
1F	50	304	171	13	0	-4	42	Tipo di acciaio non contemplato
1G	50	304	-230	-9	0	3	-55	Tipo di acciaio non contemplato
1H	50	304	171	-9	0	3	42	Tipo di acciaio non contemplato
1I	50	-701	-498	10	0	-3	-120	Tipo di acciaio non contemplato
1J	50	-701	439	10	0	-3	107	Tipo di acciaio non contemplato
1K	50	-701	-498	-6	0	2	-120	Tipo di acciaio non contemplato
1L	50	-701	439	-6	0	2	107	Tipo di acciaio non contemplato
1M	50	713	-498	10	0	-3	-120	Tipo di acciaio non contemplato
1N	50	713	439	10	0	-3	107	Tipo di acciaio non contemplato
1O	50	713	-498	-6	0	2	-120	Tipo di acciaio non contemplato
1P	50	713	439	-6	0	2	107	Tipo di acciaio non contemplato
2	50	530	-51	8	0	-3	-14	Tipo di acciaio non contemplato
7	50	396	-25	6	0	-2	-7	Tipo di acciaio non contemplato
8	50	370	-51	6	0	-2	-13	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-293	2	23								Tipo di acciaio non contemplato
1B	-293	2	18								Tipo di acciaio non contemplato
1C	-293	1	23								Tipo di acciaio non contemplato
1D	-293	1	18								Tipo di acciaio non contemplato
1E	304	2	23								Tipo di acciaio non contemplato
1F	304	2	18								Tipo di acciaio non contemplato
1G	304	1	23								Tipo di acciaio non contemplato
1H	304	1	18								Tipo di acciaio non contemplato
1I	-701	1	51								Tipo di acciaio non contemplato
1J	-701	1	46								Tipo di acciaio non contemplato
1K	-701	1	51								Tipo di acciaio non contemplato
1L	-701	1	46								Tipo di acciaio non contemplato
1M	713	1	51								Tipo di acciaio non contemplato
1N	713	1	46								Tipo di acciaio non contemplato
1O	713	1	51								Tipo di acciaio non contemplato
1P	713	1	46								Tipo di acciaio non contemplato
2	530	1	6								Tipo di acciaio non contemplato
7	396	1	3								Tipo di acciaio non contemplato
8	370	1	5								Tipo di acciaio non contemplato

ASTA NUM. 116 NI 326 NF 334 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-248	-219	172	0	2	57								Tipo di acciaio non contemplato
1B	0	-248	236	172	0	2	-58								Tipo di acciaio non contemplato
1C	0	-248	-219	-149	0	-2	57								Tipo di acciaio non contemplato
1D	0	-248	236	-149	0	-2	-58								Tipo di acciaio non contemplato

1E	0	-5	-219	172	0	2	57	Tipo di acciaio non contemplato
1F	0	-5	236	172	0	2	-58	Tipo di acciaio non contemplato
1G	0	-5	-219	-149	0	-2	57	Tipo di acciaio non contemplato
1H	0	-5	236	-149	0	-2	-58	Tipo di acciaio non contemplato
1I	0	-243	-496	159	0	2	126	Tipo di acciaio non contemplato
1J	0	-243	513	159	0	2	-127	Tipo di acciaio non contemplato
1K	0	-243	-496	-136	0	-2	126	Tipo di acciaio non contemplato
1L	0	-243	513	-136	0	-2	-127	Tipo di acciaio non contemplato
1M	0	-11	-496	159	0	2	126	Tipo di acciaio non contemplato
1N	0	-11	513	159	0	2	-127	Tipo di acciaio non contemplato
1O	0	-11	-496	-136	0	-2	126	Tipo di acciaio non contemplato
1P	0	-11	513	-136	0	-2	-127	Tipo di acciaio non contemplato
2	0	-75	4	8	0	0	0	Tipo di acciaio non contemplato
7	0	-79	4	7	0	0	0	Tipo di acciaio non contemplato
8	0	-103	5	11	0	0	0	Tipo di acciaio non contemplato
1A	25	-248	-222	172	0	-41	2	Tipo di acciaio non contemplato
1B	25	-248	234	172	0	-41	0	Tipo di acciaio non contemplato
1C	25	-248	-222	-149	0	35	2	Tipo di acciaio non contemplato
1D	25	-248	234	-149	0	35	0	Tipo di acciaio non contemplato
1E	25	-5	-222	172	0	-41	2	Tipo di acciaio non contemplato
1F	25	-5	234	172	0	-41	0	Tipo di acciaio non contemplato
1G	25	-5	-222	-149	0	35	2	Tipo di acciaio non contemplato
1H	25	-5	234	-149	0	35	0	Tipo di acciaio non contemplato
1I	25	-243	-498	159	0	-38	2	Tipo di acciaio non contemplato
1J	25	-243	510	159	0	-38	0	Tipo di acciaio non contemplato
1K	25	-243	-498	-136	0	32	2	Tipo di acciaio non contemplato
1L	25	-243	510	-136	0	32	0	Tipo di acciaio non contemplato
1M	25	-11	-498	159	0	-38	2	Tipo di acciaio non contemplato
1N	25	-11	510	159	0	-38	0	Tipo di acciaio non contemplato
1O	25	-11	-498	-136	0	32	2	Tipo di acciaio non contemplato
1P	25	-11	510	-136	0	32	0	Tipo di acciaio non contemplato
2	25	-75	1	8	0	-2	1	Tipo di acciaio non contemplato
7	25	-79	1	7	0	-2	2	Tipo di acciaio non contemplato
8	25	-103	2	11	0	-3	2	Tipo di acciaio non contemplato
1A	50	-248	-224	172	0	-84	-54	Tipo di acciaio non contemplato
1B	50	-248	231	172	0	-84	59	Tipo di acciaio non contemplato
1C	50	-248	-224	-149	0	73	-54	Tipo di acciaio non contemplato
1D	50	-248	231	-149	0	73	59	Tipo di acciaio non contemplato
1E	50	-5	-224	172	0	-84	-54	Tipo di acciaio non contemplato
1F	50	-5	231	172	0	-84	59	Tipo di acciaio non contemplato
1G	50	-5	-224	-149	0	73	-54	Tipo di acciaio non contemplato
1H	50	-5	231	-149	0	73	59	Tipo di acciaio non contemplato
1I	50	-243	-500	159	0	-77	-123	Tipo di acciaio non contemplato
1J	50	-243	508	159	0	-77	128	Tipo di acciaio non contemplato
1K	50	-243	-500	-136	0	66	-123	Tipo di acciaio non contemplato
1L	50	-243	508	-136	0	66	128	Tipo di acciaio non contemplato
1M	50	-11	-500	159	0	-77	-123	Tipo di acciaio non contemplato
1N	50	-11	508	159	0	-77	128	Tipo di acciaio non contemplato
1O	50	-11	-500	-136	0	66	-123	Tipo di acciaio non contemplato
1P	50	-11	508	-136	0	66	128	Tipo di acciaio non contemplato
2	50	-75	-2	8	0	-4	1	Tipo di acciaio non contemplato
7	50	-79	-2	7	0	-4	1	Tipo di acciaio non contemplato
8	50	-103	-1	11	0	-5	2	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-248	49	23								Tipo di acciaio non contemplato
1B	-248	49	24								Tipo di acciaio non contemplato
1C	-248	43	23								Tipo di acciaio non contemplato
1D	-248	43	24								Tipo di acciaio non contemplato
1E	-5	49	23								Tipo di acciaio non contemplato
1F	-5	49	24								Tipo di acciaio non contemplato
1G	-5	43	23								Tipo di acciaio non contemplato
1H	-5	43	24								Tipo di acciaio non contemplato
1I	-243	45	50								Tipo di acciaio non contemplato
1J	-243	45	51								Tipo di acciaio non contemplato
1K	-243	39	50								Tipo di acciaio non contemplato
1L	-243	39	51								Tipo di acciaio non contemplato
1M	-11	45	50								Tipo di acciaio non contemplato
1N	-11	45	51								Tipo di acciaio non contemplato
1O	-11	39	50								Tipo di acciaio non contemplato
1P	-11	39	51								Tipo di acciaio non contemplato
2	-75	2	1								Tipo di acciaio non contemplato
7	-79	2	1								Tipo di acciaio non contemplato
8	-103	3	1								Tipo di acciaio non contemplato

ASTA NUM. 117 NI 185 NF 193 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-237	-92	494	0	111	21								Tipo di acciaio non contemplato
1B	0	-237	154	494	0	111	-38								Tipo di acciaio non contemplato

1C	0	-237	-92	-573	0	-128	21	Tipo di acciaio non contemplato
1D	0	-237	154	-573	0	-128	-38	Tipo di acciaio non contemplato
1E	0	231	-92	494	0	111	21	Tipo di acciaio non contemplato
1F	0	231	154	494	0	111	-38	Tipo di acciaio non contemplato
1G	0	231	-92	-573	0	-128	21	Tipo di acciaio non contemplato
1H	0	231	154	-573	0	-128	-38	Tipo di acciaio non contemplato
1I	0	-188	-56	422	0	95	12	Tipo di acciaio non contemplato
1J	0	-188	117	422	0	95	-29	Tipo di acciaio non contemplato
1K	0	-188	-56	-502	0	-112	12	Tipo di acciaio non contemplato
1L	0	-188	117	-502	0	-112	-29	Tipo di acciaio non contemplato
1M	0	182	-56	422	0	95	12	Tipo di acciaio non contemplato
1N	0	182	117	422	0	95	-29	Tipo di acciaio non contemplato
1O	0	182	-56	-502	0	-112	12	Tipo di acciaio non contemplato
1P	0	182	117	-502	0	-112	-29	Tipo di acciaio non contemplato
2	0	15	268	-289	0	-63	-73	Tipo di acciaio non contemplato
7	0	34	229	-266	0	-58	-63	Tipo di acciaio non contemplato
8	0	-0	216	-207	0	-45	-59	Tipo di acciaio non contemplato
1A	25	-237	-94	494	0	-12	-3	Tipo di acciaio non contemplato
1B	25	-237	151	494	0	-12	0	Tipo di acciaio non contemplato
1C	25	-237	-94	-573	0	15	-3	Tipo di acciaio non contemplato
1D	25	-237	151	-573	0	15	0	Tipo di acciaio non contemplato
1E	25	231	-94	494	0	-12	-3	Tipo di acciaio non contemplato
1F	25	231	151	494	0	-12	0	Tipo di acciaio non contemplato
1G	25	231	-94	-573	0	15	-3	Tipo di acciaio non contemplato
1H	25	231	151	-573	0	15	0	Tipo di acciaio non contemplato
1I	25	-188	-58	422	0	-11	-3	Tipo di acciaio non contemplato
1J	25	-188	115	422	0	-11	0	Tipo di acciaio non contemplato
1K	25	-188	-58	-502	0	13	-3	Tipo di acciaio non contemplato
1L	25	-188	115	-502	0	13	0	Tipo di acciaio non contemplato
1M	25	182	-58	422	0	-11	-3	Tipo di acciaio non contemplato
1N	25	182	115	422	0	-11	0	Tipo di acciaio non contemplato
1O	25	182	-58	-502	0	13	-3	Tipo di acciaio non contemplato
1P	25	182	115	-502	0	13	0	Tipo di acciaio non contemplato
2	25	15	265	-289	0	9	-7	Tipo di acciaio non contemplato
7	25	34	226	-266	0	8	-6	Tipo di acciaio non contemplato
8	25	-0	213	-207	0	6	-5	Tipo di acciaio non contemplato
1A	50	-237	-96	494	0	-136	-26	Tipo di acciaio non contemplato
1B	50	-237	149	494	0	-136	37	Tipo di acciaio non contemplato
1C	50	-237	-96	-573	0	158	-26	Tipo di acciaio non contemplato
1D	50	-237	149	-573	0	158	37	Tipo di acciaio non contemplato
1E	50	231	-96	494	0	-136	-26	Tipo di acciaio non contemplato
1F	50	231	149	494	0	-136	37	Tipo di acciaio non contemplato
1G	50	231	-96	-573	0	158	-26	Tipo di acciaio non contemplato
1H	50	231	149	-573	0	158	37	Tipo di acciaio non contemplato
1I	50	-188	-60	422	0	-116	-17	Tipo di acciaio non contemplato
1J	50	-188	113	422	0	-116	28	Tipo di acciaio non contemplato
1K	50	-188	-60	-502	0	139	-17	Tipo di acciaio non contemplato
1L	50	-188	113	-502	0	139	28	Tipo di acciaio non contemplato
1M	50	182	-60	422	0	-116	-17	Tipo di acciaio non contemplato
1N	50	182	113	422	0	-116	28	Tipo di acciaio non contemplato
1O	50	182	-60	-502	0	139	-17	Tipo di acciaio non contemplato
1P	50	182	113	-502	0	139	28	Tipo di acciaio non contemplato
2	50	15	262	-289	0	81	59	Tipo di acciaio non contemplato
7	50	34	223	-266	0	75	50	Tipo di acciaio non contemplato
8	50	-0	210	-207	0	58	48	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-237	54	11								Tipo di acciaio non contemplato
1B	-237	54	15								Tipo di acciaio non contemplato
1C	-237	63	11								Tipo di acciaio non contemplato
1D	-237	63	15								Tipo di acciaio non contemplato
1E	231	54	11								Tipo di acciaio non contemplato
1F	231	54	15								Tipo di acciaio non contemplato
1G	231	63	11								Tipo di acciaio non contemplato
1H	231	63	15								Tipo di acciaio non contemplato
1I	-188	47	7								Tipo di acciaio non contemplato
1J	-188	47	12								Tipo di acciaio non contemplato
1K	-188	56	7								Tipo di acciaio non contemplato
1L	-188	56	12								Tipo di acciaio non contemplato
1M	182	47	7								Tipo di acciaio non contemplato
1N	182	47	12								Tipo di acciaio non contemplato
1O	182	56	7								Tipo di acciaio non contemplato
1P	182	56	12								Tipo di acciaio non contemplato
2	15	33	29								Tipo di acciaio non contemplato
7	34	30	25								Tipo di acciaio non contemplato
8	0	23	24								Tipo di acciaio non contemplato

ASTA NUM. 118 NI 205 NF 213 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-629	-51	367	0	111	14	Tipo di acciaio non contemplato
1B	0	-629	163	367	0	111	-37	Tipo di acciaio non contemplato
1C	0	-629	-51	-418	0	-125	14	Tipo di acciaio non contemplato
1D	0	-629	163	-418	0	-125	-37	Tipo di acciaio non contemplato
1E	0	-206	-51	367	0	111	14	Tipo di acciaio non contemplato
1F	0	-206	163	367	0	111	-37	Tipo di acciaio non contemplato
1G	0	-206	-51	-418	0	-125	14	Tipo di acciaio non contemplato
1H	0	-206	163	-418	0	-125	-37	Tipo di acciaio non contemplato
1I	0	-744	-56	310	0	94	19	Tipo di acciaio non contemplato
1J	0	-744	168	310	0	94	-41	Tipo di acciaio non contemplato
1K	0	-744	-56	-362	0	-108	19	Tipo di acciaio non contemplato
1L	0	-744	168	-362	0	-108	-41	Tipo di acciaio non contemplato
1M	0	-91	-56	310	0	94	19	Tipo di acciaio non contemplato
1N	0	-91	168	310	0	94	-41	Tipo di acciaio non contemplato
1O	0	-91	-56	-362	0	-108	19	Tipo di acciaio non contemplato
1P	0	-91	168	-362	0	-108	-41	Tipo di acciaio non contemplato
2	0	-1762	348	-192	0	-53	-74	Tipo di acciaio non contemplato
7	0	-1304	299	-177	0	-49	-65	Tipo di acciaio non contemplato
8	0	-1418	267	-137	0	-38	-56	Tipo di acciaio non contemplato
1A	25	-629	-53	367	0	20	1	Tipo di acciaio non contemplato
1B	25	-629	160	367	0	20	4	Tipo di acciaio non contemplato
1C	25	-629	-53	-418	0	-21	1	Tipo di acciaio non contemplato
1D	25	-629	160	-418	0	-21	4	Tipo di acciaio non contemplato
1E	25	-206	-53	367	0	20	1	Tipo di acciaio non contemplato
1F	25	-206	160	367	0	20	4	Tipo di acciaio non contemplato
1G	25	-206	-53	-418	0	-21	1	Tipo di acciaio non contemplato
1H	25	-206	160	-418	0	-21	4	Tipo di acciaio non contemplato
1I	25	-744	-58	310	0	17	4	Tipo di acciaio non contemplato
1J	25	-744	166	310	0	17	0	Tipo di acciaio non contemplato
1K	25	-744	-58	-362	0	-18	4	Tipo di acciaio non contemplato
1L	25	-744	166	-362	0	-18	0	Tipo di acciaio non contemplato
1M	25	-91	-58	310	0	17	4	Tipo di acciaio non contemplato
1N	25	-91	166	310	0	17	0	Tipo di acciaio non contemplato
1O	25	-91	-58	-362	0	-18	4	Tipo di acciaio non contemplato
1P	25	-91	166	-362	0	-18	0	Tipo di acciaio non contemplato
2	25	-1762	345	-192	0	-5	13	Tipo di acciaio non contemplato
7	25	-1304	296	-177	0	-5	10	Tipo di acciaio non contemplato
8	25	-1418	264	-137	0	-4	10	Tipo di acciaio non contemplato
1A	50	-629	-55	367	0	-72	-12	Tipo di acciaio non contemplato
1B	50	-629	158	367	0	-72	43	Tipo di acciaio non contemplato
1C	50	-629	-55	-418	0	84	-12	Tipo di acciaio non contemplato
1D	50	-629	158	-418	0	84	43	Tipo di acciaio non contemplato
1E	50	-206	-55	367	0	-72	-12	Tipo di acciaio non contemplato
1F	50	-206	158	367	0	-72	43	Tipo di acciaio non contemplato
1G	50	-206	-55	-418	0	84	-12	Tipo di acciaio non contemplato
1H	50	-206	158	-418	0	84	43	Tipo di acciaio non contemplato
1I	50	-744	-61	310	0	-61	-11	Tipo di acciaio non contemplato
1J	50	-744	163	310	0	-61	42	Tipo di acciaio non contemplato
1K	50	-744	-61	-362	0	73	-11	Tipo di acciaio non contemplato
1L	50	-744	163	-362	0	73	42	Tipo di acciaio non contemplato
1M	50	-91	-61	310	0	-61	-11	Tipo di acciaio non contemplato
1N	50	-91	163	310	0	-61	42	Tipo di acciaio non contemplato
1O	50	-91	-61	-362	0	73	-11	Tipo di acciaio non contemplato
1P	50	-91	163	-362	0	73	42	Tipo di acciaio non contemplato
2	50	-1762	342	-192	0	43	99	Tipo di acciaio non contemplato
7	50	-1304	293	-177	0	39	83	Tipo di acciaio non contemplato
8	50	-1418	261	-137	0	31	76	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-629	44	6								Tipo di acciaio non contemplato
1B	-629	44	17								Tipo di acciaio non contemplato
1C	-629	50	6								Tipo di acciaio non contemplato
1D	-629	50	17								Tipo di acciaio non contemplato
1E	-206	44	6								Tipo di acciaio non contemplato
1F	-206	44	17								Tipo di acciaio non contemplato
1G	-206	50	6								Tipo di acciaio non contemplato
1H	-206	50	17								Tipo di acciaio non contemplato
1I	-744	38	7								Tipo di acciaio non contemplato
1J	-744	38	17								Tipo di acciaio non contemplato
1K	-744	43	7								Tipo di acciaio non contemplato
1L	-744	43	17								Tipo di acciaio non contemplato
1M	-91	38	7								Tipo di acciaio non contemplato
1N	-91	38	17								Tipo di acciaio non contemplato
1O	-91	43	7								Tipo di acciaio non contemplato
1P	-91	43	17								Tipo di acciaio non contemplato
2	-1762	21	40								Tipo di acciaio non contemplato
7	-1304	20	33								Tipo di acciaio non contemplato
8	-1418	15	30								Tipo di acciaio non contemplato

ASTA NUM. 119 NI 245 NF 253 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	-827	29	327	0	119	-6	Tipo di acciaio non contemplato
1B	0	-827	135	327	0	119	-30	Tipo di acciaio non contemplato
1C	0	-827	29	-318	0	-117	-6	Tipo di acciaio non contemplato
1D	0	-827	135	-318	0	-117	-30	Tipo di acciaio non contemplato
1E	0	-166	29	327	0	119	-6	Tipo di acciaio non contemplato
1F	0	-166	135	327	0	119	-30	Tipo di acciaio non contemplato
1G	0	-166	29	-318	0	-117	-6	Tipo di acciaio non contemplato
1H	0	-166	135	-318	0	-117	-30	Tipo di acciaio non contemplato
1I	0	-1108	34	292	0	107	-4	Tipo di acciaio non contemplato
1J	0	-1108	130	292	0	107	-32	Tipo di acciaio non contemplato
1K	0	-1108	34	-283	0	-105	-4	Tipo di acciaio non contemplato
1L	0	-1108	130	-283	0	-105	-32	Tipo di acciaio non contemplato
1M	0	115	34	292	0	107	-4	Tipo di acciaio non contemplato
1N	0	115	130	292	0	107	-32	Tipo di acciaio non contemplato
1O	0	115	34	-283	0	-105	-4	Tipo di acciaio non contemplato
1P	0	115	130	-283	0	-105	-32	Tipo di acciaio non contemplato
2	0	-2086	518	-14	0	-8	-116	Tipo di acciaio non contemplato
7	0	-1550	454	-24	0	-11	-104	Tipo di acciaio non contemplato
8	0	-1667	392	-5	0	-4	-88	Tipo di acciaio non contemplato
1A	25	-827	27	327	0	37	1	Tipo di acciaio non contemplato
1B	25	-827	133	327	0	37	3	Tipo di acciaio non contemplato
1C	25	-827	27	-318	0	-37	1	Tipo di acciaio non contemplato
1D	25	-827	133	-318	0	-37	3	Tipo di acciaio non contemplato
1E	25	-166	27	327	0	37	1	Tipo di acciaio non contemplato
1F	25	-166	133	327	0	37	3	Tipo di acciaio non contemplato
1G	25	-166	27	-318	0	-37	1	Tipo di acciaio non contemplato
1H	25	-166	133	-318	0	-37	3	Tipo di acciaio non contemplato
1I	25	-1108	32	292	0	34	4	Tipo di acciaio non contemplato
1J	25	-1108	128	292	0	34	0	Tipo di acciaio non contemplato
1K	25	-1108	32	-283	0	-34	4	Tipo di acciaio non contemplato
1L	25	-1108	128	-283	0	-34	0	Tipo di acciaio non contemplato
1M	25	115	32	292	0	34	4	Tipo di acciaio non contemplato
1N	25	115	128	292	0	34	0	Tipo di acciaio non contemplato
1O	25	115	32	-283	0	-34	4	Tipo di acciaio non contemplato
1P	25	115	128	-283	0	-34	0	Tipo di acciaio non contemplato
2	25	-2086	515	-14	0	-4	13	Tipo di acciaio non contemplato
7	25	-1550	452	-24	0	-5	9	Tipo di acciaio non contemplato
8	25	-1667	390	-5	0	-3	10	Tipo di acciaio non contemplato
1A	50	-827	25	327	0	-45	8	Tipo di acciaio non contemplato
1B	50	-827	131	327	0	-45	36	Tipo di acciaio non contemplato
1C	50	-827	25	-318	0	42	8	Tipo di acciaio non contemplato
1D	50	-827	131	-318	0	42	36	Tipo di acciaio non contemplato
1E	50	-166	25	327	0	-45	8	Tipo di acciaio non contemplato
1F	50	-166	131	327	0	-45	36	Tipo di acciaio non contemplato
1G	50	-166	25	-318	0	42	8	Tipo di acciaio non contemplato
1H	50	-166	131	-318	0	42	36	Tipo di acciaio non contemplato
1I	50	-1108	30	292	0	-39	12	Tipo di acciaio non contemplato
1J	50	-1108	126	292	0	-39	32	Tipo di acciaio non contemplato
1K	50	-1108	30	-283	0	37	12	Tipo di acciaio non contemplato
1L	50	-1108	126	-283	0	37	32	Tipo di acciaio non contemplato
1M	50	115	30	292	0	-39	12	Tipo di acciaio non contemplato
1N	50	115	126	292	0	-39	32	Tipo di acciaio non contemplato
1O	50	115	30	-283	0	37	12	Tipo di acciaio non contemplato
1P	50	115	126	-283	0	37	32	Tipo di acciaio non contemplato
2	50	-2086	513	-14	0	-1	142	Tipo di acciaio non contemplato
7	50	-1550	449	-24	0	0	122	Tipo di acciaio non contemplato
8	50	-1667	387	-5	0	-2	107	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-827	53	3						Tipo di acciaio non contemplato		
1B	-827	53	14						Tipo di acciaio non contemplato		
1C	-827	53	3						Tipo di acciaio non contemplato		
1D	-827	53	14						Tipo di acciaio non contemplato		
1E	-166	53	3						Tipo di acciaio non contemplato		
1F	-166	53	14						Tipo di acciaio non contemplato		
1G	-166	53	3						Tipo di acciaio non contemplato		
1H	-166	53	14						Tipo di acciaio non contemplato		
1I	-1108	48	5						Tipo di acciaio non contemplato		
1J	-1108	48	13						Tipo di acciaio non contemplato		
1K	-1108	48	5						Tipo di acciaio non contemplato		
1L	-1108	48	13						Tipo di acciaio non contemplato		
1M	115	48	5						Tipo di acciaio non contemplato		
1N	115	48	13						Tipo di acciaio non contemplato		
1O	115	48	5						Tipo di acciaio non contemplato		
1P	115	48	13						Tipo di acciaio non contemplato		
2	-2086	5	57						Tipo di acciaio non contemplato		
7	-1550	6	49						Tipo di acciaio non contemplato		
8	-1667	3	43						Tipo di acciaio non contemplato		

ASTA NUM. 120 NI 285 NF 293 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota

		kg			kg*m			kg/cmq	
1A	0	-385	-172	522	0	155	45		Tipo di acciaio non contemplato
1B	0	-385	150	522	0	155	-47		Tipo di acciaio non contemplato
1C	0	-385	-172	-479	0	-141	45		Tipo di acciaio non contemplato
1D	0	-385	150	-479	0	-141	-47		Tipo di acciaio non contemplato
1E	0	740	-172	522	0	155	45		Tipo di acciaio non contemplato
1F	0	740	150	522	0	155	-47		Tipo di acciaio non contemplato
1G	0	740	-172	-479	0	-141	45		Tipo di acciaio non contemplato
1H	0	740	150	-479	0	-141	-47		Tipo di acciaio non contemplato
1I	0	-1223	-315	423	0	122	94		Tipo di acciaio non contemplato
1J	0	-1223	294	423	0	122	-96		Tipo di acciaio non contemplato
1K	0	-1223	-315	-380	0	-108	94		Tipo di acciaio non contemplato
1L	0	-1223	294	-380	0	-108	-96		Tipo di acciaio non contemplato
1M	0	1578	-315	423	0	122	94		Tipo di acciaio non contemplato
1N	0	1578	294	423	0	122	-96		Tipo di acciaio non contemplato
1O	0	1578	-315	-380	0	-108	94		Tipo di acciaio non contemplato
1P	0	1578	294	-380	0	-108	-96		Tipo di acciaio non contemplato
2	0	498	-138	14	0	3	49		Tipo di acciaio non contemplato
7	0	536	-62	-4	0	-2	24		Tipo di acciaio non contemplato
8	0	411	-99	22	0	6	33		Tipo di acciaio non contemplato
1A	25	-385	-174	522	0	24	1		Tipo di acciaio non contemplato
1B	25	-385	148	522	0	24	-10		Tipo di acciaio non contemplato
1C	25	-385	-174	-479	0	-21	1		Tipo di acciaio non contemplato
1D	25	-385	148	-479	0	-21	-10		Tipo di acciaio non contemplato
1E	25	740	-174	522	0	24	1		Tipo di acciaio non contemplato
1F	25	740	148	522	0	24	-10		Tipo di acciaio non contemplato
1G	25	740	-174	-479	0	-21	1		Tipo di acciaio non contemplato
1H	25	740	148	-479	0	-21	-10		Tipo di acciaio non contemplato
1I	25	-1223	-317	423	0	16	14		Tipo di acciaio non contemplato
1J	25	-1223	292	423	0	16	-23		Tipo di acciaio non contemplato
1K	25	-1223	-317	-380	0	-13	14		Tipo di acciaio non contemplato
1L	25	-1223	292	-380	0	-13	-23		Tipo di acciaio non contemplato
1M	25	1578	-317	423	0	16	14		Tipo di acciaio non contemplato
1N	25	1578	292	423	0	16	-23		Tipo di acciaio non contemplato
1O	25	1578	-317	-380	0	-13	14		Tipo di acciaio non contemplato
1P	25	1578	292	-380	0	-13	-23		Tipo di acciaio non contemplato
2	25	498	-141	14	0	0	14		Tipo di acciaio non contemplato
7	25	536	-65	-4	0	-1	8		Tipo di acciaio non contemplato
8	25	411	-102	22	0	0	8		Tipo di acciaio non contemplato
1A	50	-385	-176	522	0	-106	-43		Tipo di acciaio non contemplato
1B	50	-385	146	522	0	-106	27		Tipo di acciaio non contemplato
1C	50	-385	-176	-479	0	99	-43		Tipo di acciaio non contemplato
1D	50	-385	146	-479	0	99	27		Tipo di acciaio non contemplato
1E	50	740	-176	522	0	-106	-43		Tipo di acciaio non contemplato
1F	50	740	146	522	0	-106	27		Tipo di acciaio non contemplato
1G	50	740	-176	-479	0	99	-43		Tipo di acciaio non contemplato
1H	50	740	146	-479	0	99	27		Tipo di acciaio non contemplato
1I	50	-1223	-320	423	0	-90	-65		Tipo di acciaio non contemplato
1J	50	-1223	289	423	0	-90	50		Tipo di acciaio non contemplato
1K	50	-1223	-320	-380	0	82	-65		Tipo di acciaio non contemplato
1L	50	-1223	289	-380	0	82	50		Tipo di acciaio non contemplato
1M	50	1578	-320	423	0	-90	-65		Tipo di acciaio non contemplato
1N	50	1578	289	423	0	-90	50		Tipo di acciaio non contemplato
1O	50	1578	-320	-380	0	82	-65		Tipo di acciaio non contemplato
1P	50	1578	289	-380	0	82	50		Tipo di acciaio non contemplato
2	50	498	-144	14	0	-4	-21		Tipo di acciaio non contemplato
7	50	536	-68	-4	0	0	-9		Tipo di acciaio non contemplato
8	50	411	-105	22	0	-5	-18		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-385	62	18								Tipo di acciaio non contemplato
1B	-385	62	19								Tipo di acciaio non contemplato
1C	-385	56	18								Tipo di acciaio non contemplato
1D	-385	56	19								Tipo di acciaio non contemplato
1E	740	62	18								Tipo di acciaio non contemplato
1F	740	62	19								Tipo di acciaio non contemplato
1G	740	56	18								Tipo di acciaio non contemplato
1H	740	56	19								Tipo di acciaio non contemplato
1I	-1223	49	37								Tipo di acciaio non contemplato
1J	-1223	49	39								Tipo di acciaio non contemplato
1K	-1223	43	37								Tipo di acciaio non contemplato
1L	-1223	43	39								Tipo di acciaio non contemplato
1M	1578	49	37								Tipo di acciaio non contemplato
1N	1578	49	39								Tipo di acciaio non contemplato
1O	1578	43	37								Tipo di acciaio non contemplato
1P	1578	43	39								Tipo di acciaio non contemplato
2	498	2	21								Tipo di acciaio non contemplato
7	536	1	11								Tipo di acciaio non contemplato
8	411	2	13								Tipo di acciaio non contemplato

ASTA NUM. 121 NI 325 NF 333 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-289	17	453	0	125	-14								Tipo di acciaio non contemplato
1B	0	-289	219	453	0	125	-60								Tipo di acciaio non contemplato
1C	0	-289	17	-388	0	-107	-14								Tipo di acciaio non contemplato
1D	0	-289	219	-388	0	-107	-60								Tipo di acciaio non contemplato
1E	0	189	17	453	0	125	-14								Tipo di acciaio non contemplato
1F	0	189	219	453	0	125	-60								Tipo di acciaio non contemplato
1G	0	189	17	-388	0	-107	-14								Tipo di acciaio non contemplato
1H	0	189	219	-388	0	-107	-60								Tipo di acciaio non contemplato
1I	0	-371	-161	440	0	121	33								Tipo di acciaio non contemplato
1J	0	-371	398	440	0	121	-107								Tipo di acciaio non contemplato
1K	0	-371	-161	-375	0	-103	33								Tipo di acciaio non contemplato
1L	0	-371	398	-375	0	-103	-107								Tipo di acciaio non contemplato
1M	0	271	-161	440	0	121	33								Tipo di acciaio non contemplato
1N	0	271	398	440	0	121	-107								Tipo di acciaio non contemplato
1O	0	271	-161	-375	0	-103	33								Tipo di acciaio non contemplato
1P	0	271	398	-375	0	-103	-107								Tipo di acciaio non contemplato
2	0	360	157	10	0	1	-49								Tipo di acciaio non contemplato
7	0	359	160	6	0	0	-50								Tipo di acciaio non contemplato
8	0	230	155	22	0	5	-49								Tipo di acciaio non contemplato
1A	25	-289	15	453	0	12	-10								Tipo di acciaio non contemplato
1B	25	-289	217	453	0	12	-6								Tipo di acciaio non contemplato
1C	25	-289	15	-388	0	-10	-10								Tipo di acciaio non contemplato
1D	25	-289	217	-388	0	-10	-6								Tipo di acciaio non contemplato
1E	25	189	15	453	0	12	-10								Tipo di acciaio non contemplato
1F	25	189	217	453	0	12	-6								Tipo di acciaio non contemplato
1G	25	189	15	-388	0	-10	-10								Tipo di acciaio non contemplato
1H	25	189	217	-388	0	-10	-6								Tipo di acciaio non contemplato
1I	25	-371	-163	440	0	11	-8								Tipo di acciaio non contemplato
1J	25	-371	395	440	0	11	-8								Tipo di acciaio non contemplato
1K	25	-371	-163	-375	0	-9	-8								Tipo di acciaio non contemplato
1L	25	-371	395	-375	0	-9	-8								Tipo di acciaio non contemplato
1M	25	271	-163	440	0	11	-8								Tipo di acciaio non contemplato
1N	25	271	395	440	0	11	-8								Tipo di acciaio non contemplato
1O	25	271	-163	-375	0	-9	-8								Tipo di acciaio non contemplato
1P	25	271	395	-375	0	-9	-8								Tipo di acciaio non contemplato
2	25	360	154	10	0	-1	-10								Tipo di acciaio non contemplato
7	25	359	157	6	0	-2	-10								Tipo di acciaio non contemplato
8	25	230	152	22	0	0	-10								Tipo di acciaio non contemplato
1A	50	-289	13	453	0	-101	-7								Tipo di acciaio non contemplato
1B	50	-289	215	453	0	-101	49								Tipo di acciaio non contemplato
1C	50	-289	13	-388	0	87	-7								Tipo di acciaio non contemplato
1D	50	-289	215	-388	0	87	49								Tipo di acciaio non contemplato
1E	50	189	13	453	0	-101	-7								Tipo di acciaio non contemplato
1F	50	189	215	453	0	-101	49								Tipo di acciaio non contemplato
1G	50	189	13	-388	0	87	-7								Tipo di acciaio non contemplato
1H	50	189	215	-388	0	87	49								Tipo di acciaio non contemplato
1I	50	-371	-165	440	0	-99	-49								Tipo di acciaio non contemplato
1J	50	-371	393	440	0	-99	91								Tipo di acciaio non contemplato
1K	50	-371	-165	-375	0	85	-49								Tipo di acciaio non contemplato
1L	50	-371	393	-375	0	85	91								Tipo di acciaio non contemplato
1M	50	271	-165	440	0	-99	-49								Tipo di acciaio non contemplato
1N	50	271	393	440	0	-99	91								Tipo di acciaio non contemplato
1O	50	271	-165	-375	0	85	-49								Tipo di acciaio non contemplato
1P	50	271	393	-375	0	85	91								Tipo di acciaio non contemplato
2	50	360	151	10	0	-4	28								Tipo di acciaio non contemplato
7	50	359	154	6	0	-3	28								Tipo di acciaio non contemplato
8	50	230	149	22	0	-6	27								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-289	50	11								Tipo di acciaio non contemplato
1B	-289	50	24								Tipo di acciaio non contemplato
1C	-289	43	11								Tipo di acciaio non contemplato
1D	-289	43	24								Tipo di acciaio non contemplato
1E	189	50	11								Tipo di acciaio non contemplato
1F	189	50	24								Tipo di acciaio non contemplato
1G	189	43	11								Tipo di acciaio non contemplato
1H	189	43	24								Tipo di acciaio non contemplato
1I	-371	48	20								Tipo di acciaio non contemplato
1J	-371	48	43								Tipo di acciaio non contemplato
1K	-371	41	20								Tipo di acciaio non contemplato
1L	-371	41	43								Tipo di acciaio non contemplato
1M	271	48	20								Tipo di acciaio non contemplato
1N	271	48	43								Tipo di acciaio non contemplato
1O	271	41	20								Tipo di acciaio non contemplato
1P	271	41	43								Tipo di acciaio non contemplato
2	360	2	20								Tipo di acciaio non contemplato
7	359	2	20								Tipo di acciaio non contemplato
8	230	2	19								Tipo di acciaio non contemplato

ASTA NUM. 122 NI 356 NF 348 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.

qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-294	24	209	0	30	-9								Tipo di acciaio non contemplato
1B	0	-294	236	209	0	30	-66								Tipo di acciaio non contemplato
1C	0	-294	24	-198	0	-29	-9								Tipo di acciaio non contemplato
1D	0	-294	236	-198	0	-29	-66								Tipo di acciaio non contemplato
1E	0	65	24	209	0	30	-9								Tipo di acciaio non contemplato
1F	0	65	236	209	0	30	-66								Tipo di acciaio non contemplato
1G	0	65	24	-198	0	-29	-9								Tipo di acciaio non contemplato
1H	0	65	236	-198	0	-29	-66								Tipo di acciaio non contemplato
1I	0	-247	-197	244	0	37	42								Tipo di acciaio non contemplato
1J	0	-247	457	244	0	37	-116								Tipo di acciaio non contemplato
1K	0	-247	-197	-233	0	-37	42								Tipo di acciaio non contemplato
1L	0	-247	457	-233	0	-37	-116								Tipo di acciaio non contemplato
1M	0	19	-197	244	0	37	42								Tipo di acciaio non contemplato
1N	0	19	457	244	0	37	-116								Tipo di acciaio non contemplato
1O	0	19	-197	-233	0	-37	42								Tipo di acciaio non contemplato
1P	0	19	457	-233	0	-37	-116								Tipo di acciaio non contemplato
2	0	-120	108	3	0	0	-34								Tipo di acciaio non contemplato
7	0	-120	108	1	0	0	-34								Tipo di acciaio non contemplato
8	0	-128	126	5	0	0	-38								Tipo di acciaio non contemplato
1A	25	-294	22	209	0	-22	-6								Tipo di acciaio non contemplato
1B	25	-294	234	209	0	-22	-4								Tipo di acciaio non contemplato
1C	25	-294	22	-198	0	20	-6								Tipo di acciaio non contemplato
1D	25	-294	234	-198	0	20	-4								Tipo di acciaio non contemplato
1E	25	65	22	209	0	-22	-6								Tipo di acciaio non contemplato
1F	25	65	234	209	0	-22	-4								Tipo di acciaio non contemplato
1G	25	65	22	-198	0	20	-6								Tipo di acciaio non contemplato
1H	25	65	234	-198	0	20	-4								Tipo di acciaio non contemplato
1I	25	-247	-200	244	0	-24	-9								Tipo di acciaio non contemplato
1J	25	-247	455	244	0	-24	-2								Tipo di acciaio non contemplato
1K	25	-247	-200	-233	0	22	-9								Tipo di acciaio non contemplato
1L	25	-247	455	-233	0	22	-2								Tipo di acciaio non contemplato
1M	25	19	-200	244	0	-24	-9								Tipo di acciaio non contemplato
1N	25	19	455	244	0	-24	-2								Tipo di acciaio non contemplato
1O	25	19	-200	-233	0	22	-9								Tipo di acciaio non contemplato
1P	25	19	455	-233	0	22	-2								Tipo di acciaio non contemplato
2	25	-120	105	3	0	0	-8								Tipo di acciaio non contemplato
7	25	-120	106	1	0	0	-8								Tipo di acciaio non contemplato
8	25	-128	123	5	0	0	-7								Tipo di acciaio non contemplato
1A	50	-294	20	209	0	-74	-4								Tipo di acciaio non contemplato
1B	50	-294	231	209	0	-74	57								Tipo di acciaio non contemplato
1C	50	-294	20	-198	0	70	-4								Tipo di acciaio non contemplato
1D	50	-294	231	-198	0	70	57								Tipo di acciaio non contemplato
1E	50	65	20	209	0	-74	-4								Tipo di acciaio non contemplato
1F	50	65	231	209	0	-74	57								Tipo di acciaio non contemplato
1G	50	65	20	-198	0	70	-4								Tipo di acciaio non contemplato
1H	50	65	231	-198	0	70	57								Tipo di acciaio non contemplato
1I	50	-247	-202	244	0	-85	-60								Tipo di acciaio non contemplato
1J	50	-247	453	244	0	-85	113								Tipo di acciaio non contemplato
1K	50	-247	-202	-233	0	80	-60								Tipo di acciaio non contemplato
1L	50	-247	453	-233	0	80	113								Tipo di acciaio non contemplato
1M	50	19	-202	244	0	-85	-60								Tipo di acciaio non contemplato
1N	50	19	453	244	0	-85	113								Tipo di acciaio non contemplato
1O	50	19	-202	-233	0	80	-60								Tipo di acciaio non contemplato
1P	50	19	453	-233	0	80	113								Tipo di acciaio non contemplato
2	50	-120	102	3	0	0	18								Tipo di acciaio non contemplato
7	50	-120	103	1	0	0	18								Tipo di acciaio non contemplato
8	50	-128	120	5	0	-2	23								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-294	33	7								Tipo di acciaio non contemplato
1B	-294	33	26								Tipo di acciaio non contemplato
1C	-294	30	7								Tipo di acciaio non contemplato
1D	-294	30	26								Tipo di acciaio non contemplato
1E	65	33	7								Tipo di acciaio non contemplato
1F	65	33	26								Tipo di acciaio non contemplato
1G	65	30	7								Tipo di acciaio non contemplato
1H	65	30	26								Tipo di acciaio non contemplato
1I	-247	36	24								Tipo di acciaio non contemplato
1J	-247	36	47								Tipo di acciaio non contemplato
1K	-247	33	24								Tipo di acciaio non contemplato
1L	-247	33	47								Tipo di acciaio non contemplato
1M	19	36	24								Tipo di acciaio non contemplato
1N	19	36	47								Tipo di acciaio non contemplato
1O	19	33	24								Tipo di acciaio non contemplato
1P	19	33	47								Tipo di acciaio non contemplato
2	-120	0	14								Tipo di acciaio non contemplato
7	-120	0	14								Tipo di acciaio non contemplato
8	-128	1	15								Tipo di acciaio non contemplato

ASTA NUM. 123 NI 355 NF 347 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-233	-326	120	0	2	84								Tipo di acciaio non contemplato
1B	0	-233	333	120	0	2	-83								Tipo di acciaio non contemplato
1C	0	-233	-326	-113	0	-2	84								Tipo di acciaio non contemplato
1D	0	-233	333	-113	0	-2	-83								Tipo di acciaio non contemplato
1E	0	171	-326	120	0	2	84								Tipo di acciaio non contemplato
1F	0	171	333	120	0	2	-83								Tipo di acciaio non contemplato
1G	0	171	-326	-113	0	-2	84								Tipo di acciaio non contemplato
1H	0	171	333	-113	0	-2	-83								Tipo di acciaio non contemplato
1I	0	-273	-592	111	0	1	150								Tipo di acciaio non contemplato
1J	0	-273	599	111	0	1	-150								Tipo di acciaio non contemplato
1K	0	-273	-592	-105	0	-1	150								Tipo di acciaio non contemplato
1L	0	-273	599	-105	0	-1	-150								Tipo di acciaio non contemplato
1M	0	211	-592	111	0	1	150								Tipo di acciaio non contemplato
1N	0	211	599	111	0	1	-150								Tipo di acciaio non contemplato
1O	0	211	-592	-105	0	-1	150								Tipo di acciaio non contemplato
1P	0	211	599	-105	0	-1	-150								Tipo di acciaio non contemplato
2	0	-61	-122	5	0	0	32								Tipo di acciaio non contemplato
7	0	-63	-122	5	0	0	33								Tipo di acciaio non contemplato
8	0	-54	-85	6	0	0	23								Tipo di acciaio non contemplato
1A	25	-233	-328	120	0	-28	2								Tipo di acciaio non contemplato
1B	25	-233	330	120	0	-28	0								Tipo di acciaio non contemplato
1C	25	-233	-328	-113	0	27	2								Tipo di acciaio non contemplato
1D	25	-233	330	-113	0	27	0								Tipo di acciaio non contemplato
1E	25	171	-328	120	0	-28	2								Tipo di acciaio non contemplato
1F	25	171	330	120	0	-28	0								Tipo di acciaio non contemplato
1G	25	171	-328	-113	0	27	2								Tipo di acciaio non contemplato
1H	25	171	330	-113	0	27	0								Tipo di acciaio non contemplato
1I	25	-273	-595	111	0	-27	2								Tipo di acciaio non contemplato
1J	25	-273	597	111	0	-27	0								Tipo di acciaio non contemplato
1K	25	-273	-595	-105	0	25	2								Tipo di acciaio non contemplato
1L	25	-273	597	-105	0	25	0								Tipo di acciaio non contemplato
1M	25	211	-595	111	0	-27	2								Tipo di acciaio non contemplato
1N	25	211	597	111	0	-27	0								Tipo di acciaio non contemplato
1O	25	211	-595	-105	0	25	2								Tipo di acciaio non contemplato
1P	25	211	597	-105	0	25	0								Tipo di acciaio non contemplato
2	25	-61	-125	5	0	-1	2								Tipo di acciaio non contemplato
7	25	-63	-125	5	0	-1	2								Tipo di acciaio non contemplato
8	25	-54	-88	6	0	-1	1								Tipo di acciaio non contemplato
1A	50	-233	-331	120	0	-58	-80								Tipo di acciaio non contemplato
1B	50	-233	328	120	0	-58	82								Tipo di acciaio non contemplato
1C	50	-233	-331	-113	0	55	-80								Tipo di acciaio non contemplato
1D	50	-233	328	-113	0	55	82								Tipo di acciaio non contemplato
1E	50	171	-331	120	0	-58	-80								Tipo di acciaio non contemplato
1F	50	171	328	120	0	-58	82								Tipo di acciaio non contemplato
1G	50	171	-331	-113	0	55	-80								Tipo di acciaio non contemplato
1H	50	171	328	-113	0	55	82								Tipo di acciaio non contemplato
1I	50	-273	-597	111	0	-55	-147								Tipo di acciaio non contemplato
1J	50	-273	594	111	0	-55	149								Tipo di acciaio non contemplato
1K	50	-273	-597	-105	0	51	-147								Tipo di acciaio non contemplato
1L	50	-273	594	-105	0	51	149								Tipo di acciaio non contemplato
1M	50	211	-597	111	0	-55	-147								Tipo di acciaio non contemplato
1N	50	211	594	111	0	-55	149								Tipo di acciaio non contemplato
1O	50	211	-597	-105	0	51	-147								Tipo di acciaio non contemplato
1P	50	211	594	-105	0	51	149								Tipo di acciaio non contemplato
2	50	-61	-128	5	0	-3	-30								Tipo di acciaio non contemplato
7	50	-63	-128	5	0	-2	-30								Tipo di acciaio non contemplato
8	50	-54	-91	6	0	-3	-21								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-233	34	34								Tipo di acciaio non contemplato
1B	-233	34	33								Tipo di acciaio non contemplato
1C	-233	32	34								Tipo di acciaio non contemplato
1D	-233	32	33								Tipo di acciaio non contemplato
1E	171	34	34								Tipo di acciaio non contemplato
1F	171	34	33								Tipo di acciaio non contemplato
1G	171	32	34								Tipo di acciaio non contemplato
1H	171	32	33								Tipo di acciaio non contemplato
1I	-273	32	60								Tipo di acciaio non contemplato
1J	-273	32	60								Tipo di acciaio non contemplato
1K	-273	30	60								Tipo di acciaio non contemplato
1L	-273	30	60								Tipo di acciaio non contemplato
1M	211	32	60								Tipo di acciaio non contemplato
1N	211	32	60								Tipo di acciaio non contemplato
1O	211	30	60								Tipo di acciaio non contemplato
1P	211	30	60								Tipo di acciaio non contemplato
2	-61	1	13								Tipo di acciaio non contemplato
7	-63	1	13								Tipo di acciaio non contemplato
8	-54	2	9								Tipo di acciaio non contemplato

ASTA NUM. 124 NI 354 NF 346 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm		kg			kg*m				kg/cmq					
1A	0	113	-385	83	0	0	97								Tipo di acciaio non contemplato
1B	0	113	353	83	0	0	-88								Tipo di acciaio non contemplato
1C	0	113	-385	-80	0	0	97								Tipo di acciaio non contemplato
1D	0	113	353	-80	0	0	-88								Tipo di acciaio non contemplato
1E	0	143	-385	83	0	0	97								Tipo di acciaio non contemplato
1F	0	143	353	83	0	0	-88								Tipo di acciaio non contemplato
1G	0	143	-385	-80	0	0	97								Tipo di acciaio non contemplato
1H	0	143	353	-80	0	0	-88								Tipo di acciaio non contemplato
1I	0	117	-655	69	0	0	164								Tipo di acciaio non contemplato
1J	0	117	623	69	0	0	-156								Tipo di acciaio non contemplato
1K	0	117	-655	-66	0	0	164								Tipo di acciaio non contemplato
1L	0	117	623	-66	0	0	-156								Tipo di acciaio non contemplato
1M	0	138	-655	69	0	0	164								Tipo di acciaio non contemplato
1N	0	138	623	69	0	0	-156								Tipo di acciaio non contemplato
1O	0	138	-655	-66	0	0	164								Tipo di acciaio non contemplato
1P	0	138	623	-66	0	0	-156								Tipo di acciaio non contemplato
2	0	255	-181	6	0	0	46								Tipo di acciaio non contemplato
7	0	255	-181	5	0	0	46								Tipo di acciaio non contemplato
8	0	229	-133	5	0	0	34								Tipo di acciaio non contemplato
1A	25	113	-387	83	0	-20	0								Tipo di acciaio non contemplato
1B	25	113	351	83	0	-20	0								Tipo di acciaio non contemplato
1C	25	113	-387	-80	0	19	0								Tipo di acciaio non contemplato
1D	25	113	351	-80	0	19	0								Tipo di acciaio non contemplato
1E	25	143	-387	83	0	-20	0								Tipo di acciaio non contemplato
1F	25	143	351	83	0	-20	0								Tipo di acciaio non contemplato
1G	25	143	-387	-80	0	19	0								Tipo di acciaio non contemplato
1H	25	143	351	-80	0	19	0								Tipo di acciaio non contemplato
1I	25	117	-657	69	0	-17	0								Tipo di acciaio non contemplato
1J	25	117	621	69	0	-17	0								Tipo di acciaio non contemplato
1K	25	117	-657	-66	0	16	0								Tipo di acciaio non contemplato
1L	25	117	621	-66	0	16	0								Tipo di acciaio non contemplato
1M	25	138	-657	69	0	-17	0								Tipo di acciaio non contemplato
1N	25	138	621	69	0	-17	0								Tipo di acciaio non contemplato
1O	25	138	-657	-66	0	16	0								Tipo di acciaio non contemplato
1P	25	138	621	-66	0	16	0								Tipo di acciaio non contemplato
2	25	255	-184	6	0	-1	0								Tipo di acciaio non contemplato
7	25	255	-184	5	0	-1	0								Tipo di acciaio non contemplato
8	25	229	-136	5	0	-1	0								Tipo di acciaio non contemplato
1A	50	113	-389	83	0	-41	-97								Tipo di acciaio non contemplato
1B	50	113	348	83	0	-41	87								Tipo di acciaio non contemplato
1C	50	113	-389	-80	0	39	-97								Tipo di acciaio non contemplato
1D	50	113	348	-80	0	39	87								Tipo di acciaio non contemplato
1E	50	143	-389	83	0	-41	-97								Tipo di acciaio non contemplato
1F	50	143	348	83	0	-41	87								Tipo di acciaio non contemplato
1G	50	143	-389	-80	0	39	-97								Tipo di acciaio non contemplato
1H	50	143	348	-80	0	39	87								Tipo di acciaio non contemplato
1I	50	117	-660	69	0	-34	-164								Tipo di acciaio non contemplato
1J	50	117	619	69	0	-34	155								Tipo di acciaio non contemplato
1K	50	117	-660	-66	0	33	-164								Tipo di acciaio non contemplato
1L	50	117	619	-66	0	33	155								Tipo di acciaio non contemplato
1M	50	138	-660	69	0	-34	-164								Tipo di acciaio non contemplato
1N	50	138	619	69	0	-34	155								Tipo di acciaio non contemplato
1O	50	138	-660	-66	0	33	-164								Tipo di acciaio non contemplato
1P	50	138	619	-66	0	33	155								Tipo di acciaio non contemplato
2	50	255	-186	6	0	-3	-46								Tipo di acciaio non contemplato
7	50	255	-187	5	0	-3	-46								Tipo di acciaio non contemplato
8	50	229	-139	5	0	-2	-34								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	113	24	39								Tipo di acciaio non contemplato
1B	113	24	35								Tipo di acciaio non contemplato
1C	113	23	39								Tipo di acciaio non contemplato
1D	113	23	35								Tipo di acciaio non contemplato
1E	143	24	39								Tipo di acciaio non contemplato
1F	143	24	35								Tipo di acciaio non contemplato
1G	143	23	39								Tipo di acciaio non contemplato
1H	143	23	35								Tipo di acciaio non contemplato
1I	117	21	66								Tipo di acciaio non contemplato
1J	117	21	62								Tipo di acciaio non contemplato
1K	117	19	66								Tipo di acciaio non contemplato
1L	117	19	62								Tipo di acciaio non contemplato
1M	138	21	66								Tipo di acciaio non contemplato
1N	138	21	62								Tipo di acciaio non contemplato
1O	138	19	66								Tipo di acciaio non contemplato
1P	138	19	62								Tipo di acciaio non contemplato
2	255	2	18								Tipo di acciaio non contemplato

7	255	2	18	Tipo di acciaio non contemplato
8	229	1	14	Tipo di acciaio non contemplato

ASTA NUM. 125 NI 353 NF 345 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	51	-379	47	0	0	95								Tipo di acciaio non contemplato
1B	0	51	343	47	0	0	-85								Tipo di acciaio non contemplato
1C	0	51	-379	-46	0	0	95								Tipo di acciaio non contemplato
1D	0	51	343	-46	0	0	-85								Tipo di acciaio non contemplato
1E	0	164	-379	47	0	0	95								Tipo di acciaio non contemplato
1F	0	164	343	47	0	0	-85								Tipo di acciaio non contemplato
1G	0	164	-379	-46	0	0	95								Tipo di acciaio non contemplato
1H	0	164	343	-46	0	0	-85								Tipo di acciaio non contemplato
1I	0	72	-665	32	0	0	167								Tipo di acciaio non contemplato
1J	0	72	629	32	0	0	-157								Tipo di acciaio non contemplato
1K	0	72	-665	-31	0	0	167								Tipo di acciaio non contemplato
1L	0	72	629	-31	0	0	-157								Tipo di acciaio non contemplato
1M	0	143	-665	32	0	0	167								Tipo di acciaio non contemplato
1N	0	143	629	32	0	0	-157								Tipo di acciaio non contemplato
1O	0	143	-665	-31	0	0	167								Tipo di acciaio non contemplato
1P	0	143	629	-31	0	0	-157								Tipo di acciaio non contemplato
2	0	154	-214	4	0	0	54								Tipo di acciaio non contemplato
7	0	154	-214	4	0	0	54								Tipo di acciaio non contemplato
8	0	150	-157	3	0	0	40								Tipo di acciaio non contemplato
1A	25	51	-382	47	0	12	0								Tipo di acciaio non contemplato
1B	25	51	341	47	0	12	0								Tipo di acciaio non contemplato
1C	25	51	-382	-46	0	-12	0								Tipo di acciaio non contemplato
1D	25	51	341	-46	0	-12	0								Tipo di acciaio non contemplato
1E	25	164	-382	47	0	12	0								Tipo di acciaio non contemplato
1F	25	164	341	47	0	12	0								Tipo di acciaio non contemplato
1G	25	164	-382	-46	0	-12	0								Tipo di acciaio non contemplato
1H	25	164	341	-46	0	-12	0								Tipo di acciaio non contemplato
1I	25	72	-668	32	0	8	0								Tipo di acciaio non contemplato
1J	25	72	627	32	0	8	0								Tipo di acciaio non contemplato
1K	25	72	-668	-31	0	-9	0								Tipo di acciaio non contemplato
1L	25	72	627	-31	0	-9	0								Tipo di acciaio non contemplato
1M	25	143	-668	32	0	8	0								Tipo di acciaio non contemplato
1N	25	143	627	32	0	8	0								Tipo di acciaio non contemplato
1O	25	143	-668	-31	0	-9	0								Tipo di acciaio non contemplato
1P	25	143	627	-31	0	-9	0								Tipo di acciaio non contemplato
2	25	154	-217	4	0	-1	0								Tipo di acciaio non contemplato
7	25	154	-217	4	0	-1	0								Tipo di acciaio non contemplato
8	25	150	-160	3	0	0	0								Tipo di acciaio non contemplato
1A	50	51	-384	47	0	23	-96								Tipo di acciaio non contemplato
1B	50	51	339	47	0	23	85								Tipo di acciaio non contemplato
1C	50	51	-384	-46	0	-24	-96								Tipo di acciaio non contemplato
1D	50	51	339	-46	0	-24	85								Tipo di acciaio non contemplato
1E	50	164	-384	47	0	23	-96								Tipo di acciaio non contemplato
1F	50	164	339	47	0	23	85								Tipo di acciaio non contemplato
1G	50	164	-384	-46	0	-24	-96								Tipo di acciaio non contemplato
1H	50	164	339	-46	0	-24	85								Tipo di acciaio non contemplato
1I	50	72	-670	32	0	16	-167								Tipo di acciaio non contemplato
1J	50	72	625	32	0	16	156								Tipo di acciaio non contemplato
1K	50	72	-670	-31	0	-17	-167								Tipo di acciaio non contemplato
1L	50	72	625	-31	0	-17	156								Tipo di acciaio non contemplato
1M	50	143	-670	32	0	16	-167								Tipo di acciaio non contemplato
1N	50	143	625	32	0	16	156								Tipo di acciaio non contemplato
1O	50	143	-670	-31	0	-17	-167								Tipo di acciaio non contemplato
1P	50	143	625	-31	0	-17	156								Tipo di acciaio non contemplato
2	50	154	-219	4	0	-2	-54								Tipo di acciaio non contemplato
7	50	154	-220	4	0	-2	-54								Tipo di acciaio non contemplato
8	50	150	-163	3	0	-2	-40								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	51	14	38								Tipo di acciaio non contemplato
1B	51	14	34								Tipo di acciaio non contemplato
1C	51	14	38								Tipo di acciaio non contemplato
1D	51	14	34								Tipo di acciaio non contemplato
1E	164	14	38								Tipo di acciaio non contemplato
1F	164	14	34								Tipo di acciaio non contemplato
1G	164	14	38								Tipo di acciaio non contemplato
1H	164	14	34								Tipo di acciaio non contemplato
1I	72	10	67								Tipo di acciaio non contemplato
1J	72	10	63								Tipo di acciaio non contemplato
1K	72	10	67								Tipo di acciaio non contemplato
1L	72	10	63								Tipo di acciaio non contemplato
1M	143	10	67								Tipo di acciaio non contemplato
1N	143	10	63								Tipo di acciaio non contemplato
1O	143	10	67								Tipo di acciaio non contemplato

1P	143	10	63	Tipo di acciaio non contemplato
2	154	1	22	Tipo di acciaio non contemplato
7	154	1	22	Tipo di acciaio non contemplato
8	150	1	16	Tipo di acciaio non contemplato

ASTA NUM. 126 NI 352 NF 344 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	6	-392	28	0	0	98								Tipo di acciaio non contemplato
1B	0	6	354	28	0	0	-88								Tipo di acciaio non contemplato
1C	0	6	-392	-28	0	0	98								Tipo di acciaio non contemplato
1D	0	6	354	-28	0	0	-88								Tipo di acciaio non contemplato
1E	0	211	-392	28	0	0	98								Tipo di acciaio non contemplato
1F	0	211	354	28	0	0	-88								Tipo di acciaio non contemplato
1G	0	211	-392	-28	0	0	98								Tipo di acciaio non contemplato
1H	0	211	354	-28	0	0	-88								Tipo di acciaio non contemplato
1I	0	72	-677	14	0	0	170								Tipo di acciaio non contemplato
1J	0	72	640	14	0	0	-160								Tipo di acciaio non contemplato
1K	0	72	-677	-14	0	0	170								Tipo di acciaio non contemplato
1L	0	72	640	-14	0	0	-160								Tipo di acciaio non contemplato
1M	0	145	-677	14	0	0	170								Tipo di acciaio non contemplato
1N	0	145	640	14	0	0	-160								Tipo di acciaio non contemplato
1O	0	145	-677	-14	0	0	170								Tipo di acciaio non contemplato
1P	0	145	640	-14	0	0	-160								Tipo di acciaio non contemplato
2	0	229	-244	4	0	0	61								Tipo di acciaio non contemplato
7	0	229	-244	4	0	0	61								Tipo di acciaio non contemplato
8	0	203	-179	3	0	0	45								Tipo di acciaio non contemplato
1A	25	6	-394	28	0	7	0								Tipo di acciaio non contemplato
1B	25	6	352	28	0	7	0								Tipo di acciaio non contemplato
1C	25	6	-394	-28	0	-7	0								Tipo di acciaio non contemplato
1D	25	6	352	-28	0	-7	0								Tipo di acciaio non contemplato
1E	25	211	-394	28	0	7	0								Tipo di acciaio non contemplato
1F	25	211	352	28	0	7	0								Tipo di acciaio non contemplato
1G	25	211	-394	-28	0	-7	0								Tipo di acciaio non contemplato
1H	25	211	352	-28	0	-7	0								Tipo di acciaio non contemplato
1I	25	72	-679	14	0	4	0								Tipo di acciaio non contemplato
1J	25	72	637	14	0	4	0								Tipo di acciaio non contemplato
1K	25	72	-679	-14	0	-4	0								Tipo di acciaio non contemplato
1L	25	72	637	-14	0	-4	0								Tipo di acciaio non contemplato
1M	25	145	-679	14	0	4	0								Tipo di acciaio non contemplato
1N	25	145	637	14	0	4	0								Tipo di acciaio non contemplato
1O	25	145	-679	-14	0	-4	0								Tipo di acciaio non contemplato
1P	25	145	637	-14	0	-4	0								Tipo di acciaio non contemplato
2	25	229	-247	4	0	-1	0								Tipo di acciaio non contemplato
7	25	229	-247	4	0	-1	0								Tipo di acciaio non contemplato
8	25	203	-182	3	0	0	0								Tipo di acciaio non contemplato
1A	50	6	-396	28	0	14	-99								Tipo di acciaio non contemplato
1B	50	6	350	28	0	14	88								Tipo di acciaio non contemplato
1C	50	6	-396	-28	0	-14	-99								Tipo di acciaio non contemplato
1D	50	6	350	-28	0	-14	88								Tipo di acciaio non contemplato
1E	50	211	-396	28	0	14	-99								Tipo di acciaio non contemplato
1F	50	211	350	28	0	14	88								Tipo di acciaio non contemplato
1G	50	211	-396	-28	0	-14	-99								Tipo di acciaio non contemplato
1H	50	211	350	-28	0	-14	88								Tipo di acciaio non contemplato
1I	50	72	-681	14	0	7	-170								Tipo di acciaio non contemplato
1J	50	72	635	14	0	7	159								Tipo di acciaio non contemplato
1K	50	72	-681	-14	0	-7	-170								Tipo di acciaio non contemplato
1L	50	72	635	-14	0	-7	159								Tipo di acciaio non contemplato
1M	50	145	-681	14	0	7	-170								Tipo di acciaio non contemplato
1N	50	145	635	14	0	7	159								Tipo di acciaio non contemplato
1O	50	145	-681	-14	0	-7	-170								Tipo di acciaio non contemplato
1P	50	145	635	-14	0	-7	159								Tipo di acciaio non contemplato
2	50	229	-250	4	0	-2	-62								Tipo di acciaio non contemplato
7	50	229	-250	4	0	-2	-62								Tipo di acciaio non contemplato
8	50	203	-184	3	0	-2	-46								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	6	9	39								Tipo di acciaio non contemplato
1B	6	9	35								Tipo di acciaio non contemplato
1C	6	9	39								Tipo di acciaio non contemplato
1D	6	9	35								Tipo di acciaio non contemplato
1E	211	9	39								Tipo di acciaio non contemplato
1F	211	9	35								Tipo di acciaio non contemplato
1G	211	9	39								Tipo di acciaio non contemplato
1H	211	9	35								Tipo di acciaio non contemplato
1I	72	5	68								Tipo di acciaio non contemplato
1J	72	5	64								Tipo di acciaio non contemplato
1K	72	5	68								Tipo di acciaio non contemplato
1L	72	5	64								Tipo di acciaio non contemplato
1M	145	5	68								Tipo di acciaio non contemplato

1N	145	5	64	Tipo di acciaio non contemplato
1O	145	5	68	Tipo di acciaio non contemplato
1P	145	5	64	Tipo di acciaio non contemplato
2	229	1	25	Tipo di acciaio non contemplato
7	229	1	25	Tipo di acciaio non contemplato
8	203	1	18	Tipo di acciaio non contemplato

ASTA NUM. 127 NI 351 NF 343 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-33	-384	15	0	0	96								Tipo di acciaio non contemplato
1B	0	-33	346	15	0	0	-86								Tipo di acciaio non contemplato
1C	0	-33	-384	-16	0	0	96								Tipo di acciaio non contemplato
1D	0	-33	346	-16	0	0	-86								Tipo di acciaio non contemplato
1E	0	250	-384	15	0	0	96								Tipo di acciaio non contemplato
1F	0	250	346	15	0	0	-86								Tipo di acciaio non contemplato
1G	0	250	-384	-16	0	0	96								Tipo di acciaio non contemplato
1H	0	250	346	-16	0	0	-86								Tipo di acciaio non contemplato
1I	0	51	-682	7	0	0	171								Tipo di acciaio non contemplato
1J	0	51	645	7	0	0	-161								Tipo di acciaio non contemplato
1K	0	51	-682	-8	0	0	171								Tipo di acciaio non contemplato
1L	0	51	645	-8	0	0	-161								Tipo di acciaio non contemplato
1M	0	166	-682	7	0	0	171								Tipo di acciaio non contemplato
1N	0	166	645	7	0	0	-161								Tipo di acciaio non contemplato
1O	0	166	-682	-8	0	0	171								Tipo di acciaio non contemplato
1P	0	166	645	-8	0	0	-161								Tipo di acciaio non contemplato
2	0	156	-274	3	0	0	69								Tipo di acciaio non contemplato
7	0	156	-275	3	0	0	69								Tipo di acciaio non contemplato
8	0	152	-200	2	0	0	51								Tipo di acciaio non contemplato
1A	25	-33	-386	15	0	4	0								Tipo di acciaio non contemplato
1B	25	-33	344	15	0	4	0								Tipo di acciaio non contemplato
1C	25	-33	-386	-16	0	-4	0								Tipo di acciaio non contemplato
1D	25	-33	344	-16	0	-4	0								Tipo di acciaio non contemplato
1E	25	250	-386	15	0	4	0								Tipo di acciaio non contemplato
1F	25	250	344	15	0	4	0								Tipo di acciaio non contemplato
1G	25	250	-386	-16	0	-4	0								Tipo di acciaio non contemplato
1H	25	250	344	-16	0	-4	0								Tipo di acciaio non contemplato
1I	25	51	-685	7	0	-2	0								Tipo di acciaio non contemplato
1J	25	51	643	7	0	-2	0								Tipo di acciaio non contemplato
1K	25	51	-685	-8	0	2	0								Tipo di acciaio non contemplato
1L	25	51	643	-8	0	2	0								Tipo di acciaio non contemplato
1M	25	166	-685	7	0	-2	0								Tipo di acciaio non contemplato
1N	25	166	643	7	0	-2	0								Tipo di acciaio non contemplato
1O	25	166	-685	-8	0	2	0								Tipo di acciaio non contemplato
1P	25	166	643	-8	0	2	0								Tipo di acciaio non contemplato
2	25	156	-277	3	0	0	0								Tipo di acciaio non contemplato
7	25	156	-278	3	0	0	0								Tipo di acciaio non contemplato
8	25	152	-203	2	0	0	0								Tipo di acciaio non contemplato
1A	50	-33	-388	15	0	8	-97								Tipo di acciaio non contemplato
1B	50	-33	342	15	0	8	86								Tipo di acciaio non contemplato
1C	50	-33	-388	-16	0	-8	-97								Tipo di acciaio non contemplato
1D	50	-33	342	-16	0	-8	86								Tipo di acciaio non contemplato
1E	50	250	-388	15	0	8	-97								Tipo di acciaio non contemplato
1F	50	250	342	15	0	8	86								Tipo di acciaio non contemplato
1G	50	250	-388	-16	0	-8	-97								Tipo di acciaio non contemplato
1H	50	250	342	-16	0	-8	86								Tipo di acciaio non contemplato
1I	50	51	-687	7	0	-3	-171								Tipo di acciaio non contemplato
1J	50	51	641	7	0	-3	160								Tipo di acciaio non contemplato
1K	50	51	-687	-8	0	4	-171								Tipo di acciaio non contemplato
1L	50	51	641	-8	0	4	160								Tipo di acciaio non contemplato
1M	50	166	-687	7	0	-3	-171								Tipo di acciaio non contemplato
1N	50	166	641	7	0	-3	160								Tipo di acciaio non contemplato
1O	50	166	-687	-8	0	4	-171								Tipo di acciaio non contemplato
1P	50	166	641	-8	0	4	160								Tipo di acciaio non contemplato
2	50	156	-280	3	0	-2	-70								Tipo di acciaio non contemplato
7	50	156	-280	3	0	-2	-70								Tipo di acciaio non contemplato
8	50	152	-206	2	0	-1	-51								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-33	5	39								Tipo di acciaio non contemplato
1B	-33	5	34								Tipo di acciaio non contemplato
1C	-33	5	39								Tipo di acciaio non contemplato
1D	-33	5	34								Tipo di acciaio non contemplato
1E	250	5	39								Tipo di acciaio non contemplato
1F	250	5	34								Tipo di acciaio non contemplato
1G	250	5	39								Tipo di acciaio non contemplato
1H	250	5	34								Tipo di acciaio non contemplato
1I	51	2	68								Tipo di acciaio non contemplato
1J	51	2	64								Tipo di acciaio non contemplato
1K	51	2	68								Tipo di acciaio non contemplato

1L	51	2	64	Tipo di acciaio non contemplato
1M	166	2	68	Tipo di acciaio non contemplato
1N	166	2	64	Tipo di acciaio non contemplato
1O	166	2	68	Tipo di acciaio non contemplato
1P	166	2	64	Tipo di acciaio non contemplato
2	156	1	28	Tipo di acciaio non contemplato
7	156	1	28	Tipo di acciaio non contemplato
8	152	1	20	Tipo di acciaio non contemplato

ASTA NUM. 128 NI 350 NF 342 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-99	-403	14	0	0	101								Tipo di acciaio non contemplato
1B	0	-99	365	14	0	0	-91								Tipo di acciaio non contemplato
1C	0	-99	-403	-14	0	0	101								Tipo di acciaio non contemplato
1D	0	-99	365	-14	0	0	-91								Tipo di acciaio non contemplato
1E	0	320	-403	14	0	0	101								Tipo di acciaio non contemplato
1F	0	320	365	14	0	0	-91								Tipo di acciaio non contemplato
1G	0	320	-403	-14	0	0	101								Tipo di acciaio non contemplato
1H	0	320	365	-14	0	0	-91								Tipo di acciaio non contemplato
1I	0	-10	-711	9	0	0	178								Tipo di acciaio non contemplato
1J	0	-10	673	9	0	0	-167								Tipo di acciaio non contemplato
1K	0	-10	-711	-10	0	0	178								Tipo di acciaio non contemplato
1L	0	-10	673	-10	0	0	-167								Tipo di acciaio non contemplato
1M	0	232	-711	9	0	0	178								Tipo di acciaio non contemplato
1N	0	232	673	9	0	0	-167								Tipo di acciaio non contemplato
1O	0	232	-711	-10	0	0	178								Tipo di acciaio non contemplato
1P	0	232	673	-10	0	0	-167								Tipo di acciaio non contemplato
2	0	258	-312	3	0	0	78								Tipo di acciaio non contemplato
7	0	259	-312	3	0	0	78								Tipo di acciaio non contemplato
8	0	224	-226	2	0	0	57								Tipo di acciaio non contemplato
1A	25	-99	-406	14	0	-3	0								Tipo di acciaio non contemplato
1B	25	-99	363	14	0	-3	0								Tipo di acciaio non contemplato
1C	25	-99	-406	-14	0	3	0								Tipo di acciaio non contemplato
1D	25	-99	363	-14	0	3	0								Tipo di acciaio non contemplato
1E	25	320	-406	14	0	-3	0								Tipo di acciaio non contemplato
1F	25	320	363	14	0	-3	0								Tipo di acciaio non contemplato
1G	25	320	-406	-14	0	3	0								Tipo di acciaio non contemplato
1H	25	320	363	-14	0	3	0								Tipo di acciaio non contemplato
1I	25	-10	-714	9	0	-2	0								Tipo di acciaio non contemplato
1J	25	-10	671	9	0	-2	0								Tipo di acciaio non contemplato
1K	25	-10	-714	-10	0	2	0								Tipo di acciaio non contemplato
1L	25	-10	671	-10	0	2	0								Tipo di acciaio non contemplato
1M	25	232	-714	9	0	-2	0								Tipo di acciaio non contemplato
1N	25	232	671	9	0	-2	0								Tipo di acciaio non contemplato
1O	25	232	-714	-10	0	2	0								Tipo di acciaio non contemplato
1P	25	232	671	-10	0	2	0								Tipo di acciaio non contemplato
2	25	258	-314	3	0	0	0								Tipo di acciaio non contemplato
7	25	259	-315	3	0	0	0								Tipo di acciaio non contemplato
8	25	224	-229	2	0	0	0								Tipo di acciaio non contemplato
1A	50	-99	-408	14	0	-7	-102								Tipo di acciaio non contemplato
1B	50	-99	361	14	0	-7	91								Tipo di acciaio non contemplato
1C	50	-99	-408	-14	0	7	-102								Tipo di acciaio non contemplato
1D	50	-99	361	-14	0	7	91								Tipo di acciaio non contemplato
1E	50	320	-408	14	0	-7	-102								Tipo di acciaio non contemplato
1F	50	320	361	14	0	-7	91								Tipo di acciaio non contemplato
1G	50	320	-408	-14	0	7	-102								Tipo di acciaio non contemplato
1H	50	320	361	-14	0	7	91								Tipo di acciaio non contemplato
1I	50	-10	-716	9	0	-4	-179								Tipo di acciaio non contemplato
1J	50	-10	669	9	0	-4	168								Tipo di acciaio non contemplato
1K	50	-10	-716	-10	0	5	-179								Tipo di acciaio non contemplato
1L	50	-10	669	-10	0	5	168								Tipo di acciaio non contemplato
1M	50	232	-716	9	0	-4	-179								Tipo di acciaio non contemplato
1N	50	232	669	9	0	-4	168								Tipo di acciaio non contemplato
1O	50	232	-716	-10	0	5	-179								Tipo di acciaio non contemplato
1P	50	232	669	-10	0	5	168								Tipo di acciaio non contemplato
2	50	258	-317	3	0	-2	-79								Tipo di acciaio non contemplato
7	50	259	-317	3	0	-2	-79								Tipo di acciaio non contemplato
8	50	224	-232	2	0	-1	-58								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-99	4	41								Tipo di acciaio non contemplato
1B	-99	4	36								Tipo di acciaio non contemplato
1C	-99	4	41								Tipo di acciaio non contemplato
1D	-99	4	36								Tipo di acciaio non contemplato
1E	320	4	41								Tipo di acciaio non contemplato
1F	320	4	36								Tipo di acciaio non contemplato
1G	320	4	41								Tipo di acciaio non contemplato
1H	320	4	36								Tipo di acciaio non contemplato
1I	-10	3	72								Tipo di acciaio non contemplato

1J	-10	3	67	Tipo di acciaio non contemplato
1K	-10	3	72	Tipo di acciaio non contemplato
1L	-10	3	67	Tipo di acciaio non contemplato
1M	232	3	72	Tipo di acciaio non contemplato
1N	232	3	67	Tipo di acciaio non contemplato
1O	232	3	72	Tipo di acciaio non contemplato
1P	232	3	67	Tipo di acciaio non contemplato
2	258	1	32	Tipo di acciaio non contemplato
7	259	1	32	Tipo di acciaio non contemplato
8	224	1	23	Tipo di acciaio non contemplato

ASTA NUM. 129 NI 349 NF 341 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-345	-458	6	0	0	115								Tipo di acciaio non contemplato
1B	0	-345	417	6	0	0	-104								Tipo di acciaio non contemplato
1C	0	-345	-458	-7	0	0	115								Tipo di acciaio non contemplato
1D	0	-345	417	-7	0	0	-104								Tipo di acciaio non contemplato
1E	0	553	-458	6	0	0	115								Tipo di acciaio non contemplato
1F	0	553	417	6	0	0	-104								Tipo di acciaio non contemplato
1G	0	553	-458	-7	0	0	115								Tipo di acciaio non contemplato
1H	0	553	417	-7	0	0	-104								Tipo di acciaio non contemplato
1I	0	-642	-889	7	0	0	222								Tipo di acciaio non contemplato
1J	0	-642	848	7	0	0	-211								Tipo di acciaio non contemplato
1K	0	-642	-889	-8	0	0	222								Tipo di acciaio non contemplato
1L	0	-642	848	-8	0	0	-211								Tipo di acciaio non contemplato
1M	0	850	-889	7	0	0	222								Tipo di acciaio non contemplato
1N	0	850	848	7	0	0	-211								Tipo di acciaio non contemplato
1O	0	850	-889	-8	0	0	222								Tipo di acciaio non contemplato
1P	0	850	848	-8	0	0	-211								Tipo di acciaio non contemplato
2	0	-85	-406	4	0	0	102								Tipo di acciaio non contemplato
7	0	-86	-407	4	0	0	102								Tipo di acciaio non contemplato
8	0	-20	-294	3	0	0	74								Tipo di acciaio non contemplato
1A	25	-345	-461	6	0	2	0								Tipo di acciaio non contemplato
1B	25	-345	415	6	0	2	0								Tipo di acciaio non contemplato
1C	25	-345	-461	-7	0	-2	0								Tipo di acciaio non contemplato
1D	25	-345	415	-7	0	-2	0								Tipo di acciaio non contemplato
1E	25	553	-461	6	0	2	0								Tipo di acciaio non contemplato
1F	25	553	415	6	0	2	0								Tipo di acciaio non contemplato
1G	25	553	-461	-7	0	-2	0								Tipo di acciaio non contemplato
1H	25	553	415	-7	0	-2	0								Tipo di acciaio non contemplato
1I	25	-642	-891	7	0	2	0								Tipo di acciaio non contemplato
1J	25	-642	845	7	0	2	0								Tipo di acciaio non contemplato
1K	25	-642	-891	-8	0	-2	0								Tipo di acciaio non contemplato
1L	25	-642	845	-8	0	-2	0								Tipo di acciaio non contemplato
1M	25	850	-891	7	0	2	0								Tipo di acciaio non contemplato
1N	25	850	845	7	0	2	0								Tipo di acciaio non contemplato
1O	25	850	-891	-8	0	-2	0								Tipo di acciaio non contemplato
1P	25	850	845	-8	0	-2	0								Tipo di acciaio non contemplato
2	25	-85	-409	4	0	0	0								Tipo di acciaio non contemplato
7	25	-86	-410	4	0	0	0								Tipo di acciaio non contemplato
8	25	-20	-296	3	0	0	0								Tipo di acciaio non contemplato
1A	50	-345	-463	6	0	4	-115								Tipo di acciaio non contemplato
1B	50	-345	413	6	0	4	103								Tipo di acciaio non contemplato
1C	50	-345	-463	-7	0	-3	-115								Tipo di acciaio non contemplato
1D	50	-345	413	-7	0	-3	103								Tipo di acciaio non contemplato
1E	50	553	-463	6	0	4	-115								Tipo di acciaio non contemplato
1F	50	553	413	6	0	4	103								Tipo di acciaio non contemplato
1G	50	553	-463	-7	0	-3	-115								Tipo di acciaio non contemplato
1H	50	553	413	-7	0	-3	103								Tipo di acciaio non contemplato
1I	50	-642	-893	7	0	4	-223								Tipo di acciaio non contemplato
1J	50	-642	843	7	0	4	211								Tipo di acciaio non contemplato
1K	50	-642	-893	-8	0	-4	-223								Tipo di acciaio non contemplato
1L	50	-642	843	-8	0	-4	211								Tipo di acciaio non contemplato
1M	50	850	-893	7	0	4	-223								Tipo di acciaio non contemplato
1N	50	850	843	7	0	4	211								Tipo di acciaio non contemplato
1O	50	850	-893	-8	0	-4	-223								Tipo di acciaio non contemplato
1P	50	850	843	-8	0	-4	211								Tipo di acciaio non contemplato
2	50	-85	-412	4	0	-2	-103								Tipo di acciaio non contemplato
7	50	-86	-412	4	0	-2	-103								Tipo di acciaio non contemplato
8	50	-20	-299	3	0	-1	-74								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-345	2	46								Tipo di acciaio non contemplato
1B	-345	2	42								Tipo di acciaio non contemplato
1C	-345	2	46								Tipo di acciaio non contemplato
1D	-345	2	42								Tipo di acciaio non contemplato
1E	553	2	46								Tipo di acciaio non contemplato
1F	553	2	42								Tipo di acciaio non contemplato
1G	553	2	46								Tipo di acciaio non contemplato

1H	553	2	42	Tipo di acciaio non contemplato
1I	-642	3	89	Tipo di acciaio non contemplato
1J	-642	3	85	Tipo di acciaio non contemplato
1K	-642	2	89	Tipo di acciaio non contemplato
1L	-642	2	85	Tipo di acciaio non contemplato
1M	850	3	89	Tipo di acciaio non contemplato
1N	850	3	85	Tipo di acciaio non contemplato
1O	850	2	89	Tipo di acciaio non contemplato
1P	850	2	85	Tipo di acciaio non contemplato
2	-85	1	41	Tipo di acciaio non contemplato
7	-86	1	41	Tipo di acciaio non contemplato
8	-20	1	30	Tipo di acciaio non contemplato

ASTA NUM. 130 NI 868 NF 358 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	429	21	310	0	76	10	8.0	59.1	11.6	0.0	67.1	1	
1B	0	429	565	310	0	76	-129	8.0	89.7	47.9	0.0	97.7	1	
1C	0	429	21	-235	0	-59	10	8.0	46.8	8.8	0.0	54.7	1	
1D	0	429	565	-235	0	-59	-129	8.0	77.3	47.9	0.0	85.3	1	
1E	0	739	21	310	0	76	10	13.7	59.1	11.6	0.0	72.9	1	
1F	0	739	565	310	0	76	-129	13.7	89.7	47.9	0.0	103.4	1	
1G	0	739	21	-235	0	-59	10	13.7	46.8	8.8	0.0	60.5	1	
1H	0	739	565	-235	0	-59	-129	13.7	77.3	47.9	0.0	91.1	1	
1I	0	241	-215	448	0	101	75	4.5	94.6	18.2	0.0	99.1	1	
1J	0	241	801	448	0	101	-194	4.5	125.2	67.9	0.0	129.7	1	
1K	0	241	-215	-373	0	-84	75	4.5	82.3	18.2	0.0	86.7	1	
1L	0	241	801	-373	0	-84	-194	4.5	112.8	67.9	0.0	118.4	3	
1M	0	926	-215	448	0	101	75	17.2	94.6	18.2	0.0	111.8	1	
1N	0	926	801	448	0	101	-194	17.2	125.2	67.9	0.0	142.4	1	
1O	0	926	-215	-373	0	-84	75	17.2	82.3	18.2	0.0	99.5	1	
1P	0	926	801	-373	0	-84	-194	17.2	112.8	67.9	0.0	130.0	1	
2	0	726	316	34	0	8	-55	13.5	20.5	26.8	0.0	48.9	3	
7	0	725	316	32	0	8	-55	13.5	20.1	26.8	0.0	48.8	3	
8	0	736	336	39	0	9	-62	13.7	22.9	28.4	0.0	52.0	3	
1A	25	429	11	310	0	-2	12	8.0	4.7	11.6	0.0	22.9	3	
1B	25	429	554	310	0	-2	13	8.0	4.9	47.0	0.0	81.8	4	
1C	25	429	11	-235	0	-0	12	8.0	3.2	8.8	0.0	18.7	3	
1D	25	429	554	-235	0	-0	13	8.0	3.4	47.0	0.0	81.7	4	
1E	25	739	11	310	0	-2	12	13.7	4.7	11.6	0.0	26.1	3	
1F	25	739	554	310	0	-2	13	13.7	4.9	47.0	0.0	82.5	4	
1G	25	739	11	-235	0	-0	12	13.7	3.2	8.8	0.0	22.5	3	
1H	25	739	554	-235	0	-0	13	13.7	3.4	47.0	0.0	82.5	4	
1I	25	241	-225	448	0	-11	19	4.5	13.6	19.1	0.0	42.3	3	
1J	25	241	790	448	0	-11	6	4.5	10.0	67.0	0.0	116.1	4	
1K	25	241	-225	-373	0	9	19	4.5	12.0	19.1	0.0	39.1	3	
1L	25	241	790	-373	0	9	6	4.5	8.4	67.0	0.0	116.1	4	
1M	25	926	-225	448	0	-11	19	17.2	13.6	19.1	0.0	46.8	3	
1N	25	926	790	448	0	-11	6	17.2	10.0	67.0	0.0	117.3	4	
1O	25	926	-225	-373	0	9	19	17.2	12.0	19.1	0.0	43.9	3	
1P	25	926	790	-373	0	9	6	17.2	8.4	67.0	0.0	117.3	4	
2	25	726	303	34	0	-0	22	13.5	5.8	25.7	0.0	46.4	4	
7	25	725	302	32	0	-0	22	13.5	5.7	25.6	0.0	46.3	4	
8	25	736	322	39	0	-1	20	13.7	5.6	27.3	0.0	49.2	4	
1A	50	429	0	310	0	-80	12	8.0	62.8	11.6	0.0	70.8	1	
1B	50	429	543	310	0	-80	152	8.0	98.8	46.1	0.0	106.8	1	
1C	50	429	0	-235	0	59	12	8.0	47.2	8.8	0.0	55.1	1	
1D	50	429	543	-235	0	59	152	8.0	83.2	46.1	0.0	91.1	1	
1E	50	739	0	310	0	-80	12	13.7	62.8	11.6	0.0	76.6	1	
1F	50	739	543	310	0	-80	152	13.7	98.8	46.1	0.0	112.6	1	
1G	50	739	0	-235	0	59	12	13.7	47.2	8.8	0.0	60.9	1	
1H	50	739	543	-235	0	59	152	13.7	83.2	46.1	0.0	96.9	1	
1I	50	241	-236	448	0	-124	-39	4.5	102.5	20.0	0.0	107.0	1	
1J	50	241	780	448	0	-124	202	4.5	144.6	66.1	0.0	149.1	1	
1K	50	241	-236	-373	0	103	-39	4.5	86.8	20.0	0.0	91.3	1	
1L	50	241	780	-373	0	103	202	4.5	128.9	66.1	0.0	133.4	1	
1M	50	926	-236	448	0	-124	-39	17.2	102.5	20.0	0.0	119.7	1	
1N	50	926	780	448	0	-124	202	17.2	144.6	66.1	0.0	161.8	1	
1O	50	926	-236	-373	0	103	-39	17.2	86.8	20.0	0.0	104.1	1	
1P	50	926	780	-373	0	103	202	17.2	128.9	66.1	0.0	146.1	1	
2	50	726	289	34	0	-9	96	13.5	31.1	24.5	0.0	51.9	3	
7	50	725	288	32	0	-8	96	13.5	30.7	24.4	0.0	51.8	3	
8	50	736	308	39	0	-10	99	13.7	33.2	26.1	0.0	54.3	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	429	32	11	11	7	11	1.00	1.00	34.7	
1B	429	32	61	11	7	11	1.00	1.00	47.5	
1C	429	24	11	11	7	11	1.00	1.00	28.5	
1D	429	24	61	11	7	11	1.00	1.00	41.3	
1E	739	32	11	11	7	11	1.00	1.00	40.5	

1F	739	32	61	11	7	11	1.00	1.00	53.3
1G	739	24	11	11	7	11	1.00	1.00	34.3
1H	739	24	61	11	7	11	1.00	1.00	47.0
1I	241	49	30	11	7	11	1.00	1.00	49.2
1J	241	49	81	11	7	11	1.00	1.00	62.3
1K	241	41	30	11	7	11	1.00	1.00	43.0
1L	241	41	81	11	7	11	1.00	1.00	56.1
1M	926	49	30	11	7	11	1.00	1.00	62.0
1N	926	49	81	11	7	11	1.00	1.00	75.0
1O	926	41	30	11	7	11	1.00	1.00	55.7
1P	926	41	81	11	7	11	1.00	1.00	68.8
2	726	3	38	11	7	11	1.00	1.00	25.9
7	725	3	38	11	7	11	1.00	1.00	25.8
8	736	4	40	11	7	11	1.00	1.00	27.0

ASTA NUM. 131 NI 359 NF 341 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-18594	-20	225	0	0	3	345.6	2.4	19.1	0.0	348.0	1	
1B	0	-18594	23	225	0	0	-3	345.6	2.1	19.1	0.0	347.7	1	
1C	0	-18594	-20	-342	0	-0	3	345.6	2.5	29.0	0.0	349.3	4	
1D	0	-18594	23	-342	0	-0	-3	345.6	2.1	29.0	0.0	349.3	4	
1E	0	15790	-20	225	0	0	3	293.5	2.4	19.1	0.0	295.9	1	
1F	0	15790	23	225	0	0	-3	293.5	2.1	19.1	0.0	295.6	1	
1G	0	15790	-20	-342	0	-0	3	293.5	2.5	29.0	0.0	297.8	4	
1H	0	15790	23	-342	0	-0	-3	293.5	2.1	29.0	0.0	297.8	4	
1I	0	-43415	-34	544	0	0	1	807.0	1.1	46.1	0.0	810.9	4	
1J	0	-43415	37	544	0	0	-1	807.0	0.8	46.1	0.0	810.9	4	
1K	0	-43415	-34	-660	0	-1	1	807.0	1.1	56.0	0.0	812.8	4	
1L	0	-43415	37	-660	0	-1	-1	807.0	0.8	56.0	0.0	812.8	4	
1M	0	40611	-34	544	0	0	1	754.8	1.1	46.1	0.0	759.1	4	
1N	0	40611	37	544	0	0	-1	754.8	0.8	46.1	0.0	759.1	4	
1O	0	40611	-34	-660	0	-1	1	754.8	1.1	56.0	0.0	761.1	4	
1P	0	40611	37	-660	0	-1	-1	754.8	0.8	56.0	0.0	761.1	4	
2	0	-16510	12	40	0	0	0	306.9	0.3	3.4	0.0	307.2	1	
7	0	-16540	12	40	0	0	0	307.4	0.3	3.4	0.0	307.7	1	
8	0	-12170	9	6	0	0	0	226.2	0.3	0.5	0.0	226.5	1	
1A	55	-18570	-20	225	0	-125	16	345.2	43.9	19.1	0.0	389.0	1	
1B	55	-18570	23	225	0	-125	-14	345.2	42.5	19.1	0.0	387.6	1	
1C	55	-18570	-20	-342	0	189	16	345.2	60.4	29.0	0.0	405.6	1	
1D	55	-18570	23	-342	0	189	-14	345.2	59.0	29.0	0.0	404.2	1	
1E	55	15814	-20	225	0	-125	16	293.9	43.9	19.1	0.0	337.8	1	
1F	55	15814	23	225	0	-125	-14	293.9	42.5	19.1	0.0	336.4	1	
1G	55	15814	-20	-342	0	189	16	293.9	60.4	29.0	0.0	354.3	1	
1H	55	15814	23	-342	0	189	-14	293.9	59.0	29.0	0.0	353.0	1	
1I	55	-43391	-34	544	0	-300	21	806.5	93.3	46.1	0.0	899.8	1	
1J	55	-43391	37	544	0	-300	-20	806.5	91.9	46.1	0.0	898.4	1	
1K	55	-43391	-34	-660	0	365	21	806.5	109.9	56.0	0.0	916.4	1	
1L	55	-43391	37	-660	0	365	-20	806.5	108.5	56.0	0.0	915.0	1	
1M	55	40634	-34	544	0	-300	21	755.3	93.3	46.1	0.0	848.6	1	
1N	55	40634	37	544	0	-300	-20	755.3	91.9	46.1	0.0	847.2	1	
1O	55	40634	-34	-660	0	365	21	755.3	109.9	56.0	0.0	865.1	1	
1P	55	40634	37	-660	0	365	-20	755.3	108.5	56.0	0.0	863.8	1	
2	55	-16480	12	94	0	-37	7	306.3	14.9	8.0	0.0	321.2	1	
7	55	-16510	12	94	0	-37	7	306.9	14.9	8.0	0.0	321.8	1	
8	55	-12140	9	44	0	-14	5	225.7	7.5	3.7	0.0	233.2	1	
1A	111	-18547	-20	225	0	-250	28	344.7	85.5	19.1	0.0	430.2	1	
1B	111	-18547	23	225	0	-250	-25	344.7	83.0	19.1	0.0	427.8	1	
1C	111	-18547	-20	-342	0	378	28	344.7	118.6	29.0	0.0	463.3	1	
1D	111	-18547	23	-342	0	378	-25	344.7	116.2	29.0	0.0	460.9	1	
1E	111	15837	-20	225	0	-250	28	294.4	85.5	19.1	0.0	379.8	1	
1F	111	15837	23	225	0	-250	-25	294.4	83.0	19.1	0.0	377.4	1	
1G	111	15837	-20	-342	0	378	28	294.4	118.6	29.0	0.0	413.0	1	
1H	111	15837	23	-342	0	378	-25	294.4	116.2	29.0	0.0	410.5	1	
1I	111	-43368	-34	544	0	-601	41	806.1	185.7	46.1	0.0	991.8	1	
1J	111	-43368	37	544	0	-601	-38	806.1	183.3	46.1	0.0	989.4	1	
1K	111	-43368	-34	-660	0	730	41	806.1	218.9	56.0	0.0	1025.0	1	
1L	111	-43368	37	-660	0	730	-38	806.1	216.4	56.0	0.0	1022.5	1	
1M	111	40658	-34	544	0	-601	41	755.7	185.7	46.1	0.0	941.5	1	
1N	111	40658	37	544	0	-601	-38	755.7	183.3	46.1	0.0	939.0	1	
1O	111	40658	-34	-660	0	730	41	755.7	218.9	56.0	0.0	974.6	1	
1P	111	40658	37	-660	0	730	-38	755.7	216.4	56.0	0.0	972.2	1	
2	111	-16450	12	148	0	-104	14	305.8	37.2	12.6	0.0	343.0	1	
7	111	-16480	12	148	0	-104	14	306.3	37.3	12.6	0.0	343.7	1	
8	111	-12110	9	82	0	-48	10	225.1	20.3	6.9	0.0	245.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18594	150	18	23	23	14	1.03	1.00	408.4	
1B	-18594	150	16	23	23	14	1.03	1.00	406.8	
1C	-18594	227	18	23	23	14	1.03	1.00	428.3	
1D	-18594	227	16	23	23	14	1.03	1.00	426.7	
1E	15837	150	18	23	23	14	1.00	1.00	346.5	
1F	15837	150	16	23	23	14	1.00	1.00	344.9	

1G	15837	227	18	23	23	14	1.00	1.00	366.4
1H	15837	227	16	23	23	14	1.00	1.00	364.8
1I	-43415	361	25	23	23	14	1.03	1.00	944.1
1J	-43415	361	23	23	23	14	1.03	1.00	942.4
1K	-43415	438	25	23	23	14	1.03	1.00	964.1
1L	-43415	438	23	23	23	14	1.03	1.00	962.5
1M	40658	361	25	23	23	14	1.00	1.00	867.5
1N	40658	361	23	23	23	14	1.00	1.00	865.9
1O	40658	438	25	23	23	14	1.00	1.00	887.4
1P	40658	438	23	23	23	14	1.00	1.00	885.8
2	-16510	62	9	23	23	14	1.03	1.00	338.6
7	-16540	62	9	23	23	14	1.03	1.00	339.2
8	-12170	29	6	23	23	14	1.03	1.00	245.3

ASTA NUM. 132 NI 360 NF 349 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-21359	-10	214	0	1	0	397.0	0.2	18.2	0.0	398.3	4	
1B	0	-21359	10	214	0	1	-0	397.0	0.2	18.2	0.0	398.3	4	
1C	0	-21359	-10	-327	0	-1	0	397.0	0.2	27.7	0.0	399.9	4	
1D	0	-21359	10	-327	0	-1	-0	397.0	0.2	27.7	0.0	399.9	4	
1E	0	14711	-10	214	0	1	0	273.4	0.2	18.2	0.0	275.2	4	
1F	0	14711	10	214	0	1	-0	273.4	0.2	18.2	0.0	275.2	4	
1G	0	14711	-10	-327	0	-1	0	273.4	0.2	27.7	0.0	277.6	4	
1H	0	14711	10	-327	0	-1	-0	273.4	0.2	27.7	0.0	277.6	4	
1I	0	-39256	-7	518	0	1	0	729.7	0.4	43.9	0.0	733.6	4	
1J	0	-39256	8	518	0	1	-0	729.7	0.4	43.9	0.0	733.6	4	
1K	0	-39256	-7	-631	0	-1	0	729.7	0.3	53.5	0.0	735.5	4	
1L	0	-39256	8	-631	0	-1	-0	729.7	0.3	53.5	0.0	735.5	4	
1M	0	32608	-7	518	0	1	0	606.1	0.4	43.9	0.0	610.9	4	
1N	0	32608	8	518	0	1	-0	606.1	0.4	43.9	0.0	610.9	4	
1O	0	32608	-7	-631	0	-1	0	606.1	0.3	53.5	0.0	613.1	4	
1P	0	32608	8	-631	0	-1	-0	606.1	0.3	53.5	0.0	613.1	4	
2	0	6974	11	75	0	-1	-0	129.6	0.2	6.4	0.0	130.1	3	
7	0	6984	11	75	0	-1	-0	129.8	0.2	6.4	0.0	130.3	3	
8	0	3624	8	31	0	-0	-0	67.4	0.1	2.7	0.0	67.6	3	
1A	55	-21336	-10	214	0	182	-5	396.6	50.8	18.2	0.0	447.3	1	
1B	55	-21336	10	214	0	182	6	396.6	51.0	18.2	0.0	447.6	1	
1C	55	-21336	-10	-327	0	-119	-5	396.6	34.7	27.7	0.0	431.3	1	
1D	55	-21336	10	-327	0	-119	6	396.6	34.9	27.7	0.0	431.5	1	
1E	55	14734	-10	214	0	182	-5	273.9	50.8	18.2	0.0	324.6	1	
1F	55	14734	10	214	0	182	6	273.9	51.0	18.2	0.0	324.9	1	
1G	55	14734	-10	-327	0	-119	-5	273.9	34.7	27.7	0.0	308.6	1	
1H	55	14734	10	-327	0	-119	6	273.9	34.9	27.7	0.0	308.8	1	
1I	55	-39232	-7	518	0	350	-4	729.2	93.2	43.9	0.0	822.4	1	
1J	55	-39232	8	518	0	350	4	729.2	93.4	43.9	0.0	822.6	1	
1K	55	-39232	-7	-631	0	-288	-4	729.2	77.1	53.5	0.0	806.3	1	
1L	55	-39232	8	-631	0	-288	4	729.2	77.3	53.5	0.0	806.6	1	
1M	55	32631	-7	518	0	350	-4	606.5	93.2	43.9	0.0	699.7	1	
1N	55	32631	8	518	0	350	4	606.5	93.4	43.9	0.0	699.9	1	
1O	55	32631	-7	-631	0	-288	-4	606.5	77.1	53.5	0.0	683.6	1	
1P	55	32631	8	-631	0	-288	4	606.5	77.3	53.5	0.0	683.9	1	
2	55	7004	11	75	0	-42	6	130.2	15.3	6.4	0.0	145.5	1	
7	55	7014	11	75	0	-42	6	130.4	15.4	6.4	0.0	145.7	1	
8	55	3654	8	31	0	-18	4	67.9	7.8	2.7	0.0	75.7	1	
1A	111	-21312	-10	214	0	363	-11	396.1	101.3	18.2	0.0	497.5	1	
1B	111	-21312	10	214	0	363	11	396.1	101.8	18.2	0.0	497.9	1	
1C	111	-21312	-10	-327	0	-238	-11	396.1	69.3	27.7	0.0	465.4	1	
1D	111	-21312	10	-327	0	-238	11	396.1	69.7	27.7	0.0	465.9	1	
1E	111	14758	-10	214	0	363	-11	274.3	101.3	18.2	0.0	375.7	1	
1F	111	14758	10	214	0	363	11	274.3	101.8	18.2	0.0	376.1	1	
1G	111	14758	-10	-327	0	-238	-11	274.3	69.3	27.7	0.0	343.6	1	
1H	111	14758	10	-327	0	-238	11	274.3	69.7	27.7	0.0	344.0	1	
1I	111	-39209	-7	518	0	699	-8	728.8	186.0	43.9	0.0	914.8	1	
1J	111	-39209	8	518	0	699	9	728.8	186.4	43.9	0.0	915.2	1	
1K	111	-39209	-7	-631	0	-575	-8	728.8	153.9	53.5	0.0	882.7	1	
1L	111	-39209	8	-631	0	-575	9	728.8	154.4	53.5	0.0	883.2	1	
1M	111	32655	-7	518	0	699	-8	607.0	186.0	43.9	0.0	792.9	1	
1N	111	32655	8	518	0	699	9	607.0	186.4	43.9	0.0	793.4	1	
1O	111	32655	-7	-631	0	-575	-8	607.0	153.9	53.5	0.0	760.9	1	
1P	111	32655	8	-631	0	-575	9	607.0	154.4	53.5	0.0	761.3	1	
2	111	7035	11	75	0	-84	12	130.8	30.5	6.4	0.0	161.3	1	
7	111	7045	11	75	0	-84	12	130.9	30.6	6.4	0.0	161.5	1	
8	111	3685	8	31	0	-35	9	68.5	15.4	2.7	0.0	83.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-21359	218	6	23	23	14	1.03	1.00	470.0	
1B	-21359	218	7	23	23	14	1.03	1.00	470.3	
1C	-21359	143	6	23	23	14	1.03	1.00	450.7	
1D	-21359	143	7	23	23	14	1.03	1.00	451.0	
1E	14758	218	6	23	23	14	1.00	1.00	335.2	
1F	14758	218	7	23	23	14	1.00	1.00	335.5	
1G	14758	143	6	23	23	14	1.00	1.00	315.9	

1H	14758	143	7	23	23	14	1.00	1.00	316.2
1I	-39256	420	5	23	23	14	1.03	1.00	864.1
1J	-39256	420	5	23	23	14	1.03	1.00	864.4
1K	-39256	345	5	23	23	14	1.03	1.00	844.7
1L	-39256	345	5	23	23	14	1.03	1.00	845.0
1M	32655	420	5	23	23	14	1.00	1.00	718.7
1N	32655	420	5	23	23	14	1.00	1.00	719.0
1O	32655	345	5	23	23	14	1.00	1.00	699.4
1P	32655	345	5	23	23	14	1.00	1.00	699.7
2	7035	51	7	23	23	14	1.00	1.00	149.1
7	7045	51	7	23	23	14	1.00	1.00	149.4
8	3685	21	5	23	23	14	1.00	1.00	77.8

ASTA NUM. 133 NI 436 NF 428 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-804	-327	138	0	46	59								Tipo di acciaio non contemplato
1B	0	-804	14	138	0	46	-22								Tipo di acciaio non contemplato
1C	0	-804	-327	-181	0	-56	59								Tipo di acciaio non contemplato
1D	0	-804	14	-181	0	-56	-22								Tipo di acciaio non contemplato
1E	0	1197	-327	138	0	46	59								Tipo di acciaio non contemplato
1F	0	1197	14	138	0	46	-22								Tipo di acciaio non contemplato
1G	0	1197	-327	-181	0	-56	59								Tipo di acciaio non contemplato
1H	0	1197	14	-181	0	-56	-22								Tipo di acciaio non contemplato
1I	0	-2572	-450	197	0	66	71								Tipo di acciaio non contemplato
1J	0	-2572	137	197	0	66	-34								Tipo di acciaio non contemplato
1K	0	-2572	-450	-239	0	-76	71								Tipo di acciaio non contemplato
1L	0	-2572	137	-239	0	-76	-34								Tipo di acciaio non contemplato
1M	0	2966	-450	197	0	66	71								Tipo di acciaio non contemplato
1N	0	2966	137	197	0	66	-34								Tipo di acciaio non contemplato
1O	0	2966	-450	-239	0	-76	71								Tipo di acciaio non contemplato
1P	0	2966	137	-239	0	-76	-34								Tipo di acciaio non contemplato
2	0	1213	221	-122	0	-35	-51								Tipo di acciaio non contemplato
7	0	1284	138	-109	0	-31	-37								Tipo di acciaio non contemplato
8	0	951	94	-92	0	-26	-29								Tipo di acciaio non contemplato
1A	25	-804	-329	138	0	11	-23								Tipo di acciaio non contemplato
1B	25	-804	12	138	0	11	-19								Tipo di acciaio non contemplato
1C	25	-804	-329	-181	0	-10	-23								Tipo di acciaio non contemplato
1D	25	-804	12	-181	0	-10	-19								Tipo di acciaio non contemplato
1E	25	1197	-329	138	0	11	-23								Tipo di acciaio non contemplato
1F	25	1197	12	138	0	11	-19								Tipo di acciaio non contemplato
1G	25	1197	-329	-181	0	-10	-23								Tipo di acciaio non contemplato
1H	25	1197	12	-181	0	-10	-19								Tipo di acciaio non contemplato
1I	25	-2572	-452	197	0	17	-42								Tipo di acciaio non contemplato
1J	25	-2572	135	197	0	17	0								Tipo di acciaio non contemplato
1K	25	-2572	-452	-239	0	-16	-42								Tipo di acciaio non contemplato
1L	25	-2572	135	-239	0	-16	0								Tipo di acciaio non contemplato
1M	25	2966	-452	197	0	17	-42								Tipo di acciaio non contemplato
1N	25	2966	135	197	0	17	0								Tipo di acciaio non contemplato
1O	25	2966	-452	-239	0	-16	-42								Tipo di acciaio non contemplato
1P	25	2966	135	-239	0	-16	0								Tipo di acciaio non contemplato
2	25	1213	218	-122	0	-5	4								Tipo di acciaio non contemplato
7	25	1284	135	-109	0	-4	-3								Tipo di acciaio non contemplato
8	25	951	91	-92	0	-3	-6								Tipo di acciaio non contemplato
1A	50	-804	-332	138	0	-23	-106								Tipo di acciaio non contemplato
1B	50	-804	10	138	0	-23	-16								Tipo di acciaio non contemplato
1C	50	-804	-332	-181	0	35	-106								Tipo di acciaio non contemplato
1D	50	-804	10	-181	0	35	-16								Tipo di acciaio non contemplato
1E	50	1197	-332	138	0	-23	-106								Tipo di acciaio non contemplato
1F	50	1197	10	138	0	-23	-16								Tipo di acciaio non contemplato
1G	50	1197	-332	-181	0	35	-106								Tipo di acciaio non contemplato
1H	50	1197	10	-181	0	35	-16								Tipo di acciaio non contemplato
1I	50	-2572	-454	197	0	-32	-156								Tipo di acciaio non contemplato
1J	50	-2572	132	197	0	-32	33								Tipo di acciaio non contemplato
1K	50	-2572	-454	-239	0	44	-156								Tipo di acciaio non contemplato
1L	50	-2572	132	-239	0	44	33								Tipo di acciaio non contemplato
1M	50	2966	-454	197	0	-32	-156								Tipo di acciaio non contemplato
1N	50	2966	132	197	0	-32	33								Tipo di acciaio non contemplato
1O	50	2966	-454	-239	0	44	-156								Tipo di acciaio non contemplato
1P	50	2966	132	-239	0	44	33								Tipo di acciaio non contemplato
2	50	1213	216	-122	0	26	58								Tipo di acciaio non contemplato
7	50	1284	133	-109	0	23	31								Tipo di acciaio non contemplato
8	50	951	89	-92	0	20	17								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-804	18	43								Tipo di acciaio non contemplato
1B	-804	18	20								Tipo di acciaio non contemplato
1C	-804	22	43								Tipo di acciaio non contemplato
1D	-804	22	20								Tipo di acciaio non contemplato
1E	1197	18	43								Tipo di acciaio non contemplato

1F	1197	18	20	Tipo di acciaio non contemplato
1G	1197	22	43	Tipo di acciaio non contemplato
1H	1197	22	20	Tipo di acciaio non contemplato
1I	-2572	27	65	Tipo di acciaio non contemplato
1J	-2572	27	14	Tipo di acciaio non contemplato
1K	-2572	30	65	Tipo di acciaio non contemplato
1L	-2572	30	14	Tipo di acciaio non contemplato
1M	2966	27	65	Tipo di acciaio non contemplato
1N	2966	27	14	Tipo di acciaio non contemplato
1O	2966	30	65	Tipo di acciaio non contemplato
1P	2966	30	14	Tipo di acciaio non contemplato
2	1213	14	23	Tipo di acciaio non contemplato
7	1284	13	15	Tipo di acciaio non contemplato
8	951	10	12	Tipo di acciaio non contemplato

ASTA NUM. 134 NI 476 NF 468 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1645	-159	56	0	6	46								Tipo di acciaio non contemplato
1B	0	-1645	70	56	0	6	-14								Tipo di acciaio non contemplato
1C	0	-1645	-159	-167	0	-23	46								Tipo di acciaio non contemplato
1D	0	-1645	70	-167	0	-23	-14								Tipo di acciaio non contemplato
1E	0	-457	-159	56	0	6	46								Tipo di acciaio non contemplato
1F	0	-457	70	56	0	6	-14								Tipo di acciaio non contemplato
1G	0	-457	-159	-167	0	-23	46								Tipo di acciaio non contemplato
1H	0	-457	70	-167	0	-23	-14								Tipo di acciaio non contemplato
1I	0	-2592	-133	82	0	10	33								Tipo di acciaio non contemplato
1J	0	-2592	43	82	0	10	0								Tipo di acciaio non contemplato
1K	0	-2592	-133	-193	0	-26	33								Tipo di acciaio non contemplato
1L	0	-2592	43	-193	0	-26	0								Tipo di acciaio non contemplato
1M	0	490	-133	82	0	10	33								Tipo di acciaio non contemplato
1N	0	490	43	82	0	10	0								Tipo di acciaio non contemplato
1O	0	490	-133	-193	0	-26	33								Tipo di acciaio non contemplato
1P	0	490	43	-193	0	-26	0								Tipo di acciaio non contemplato
2	0	-4663	-296	-141	0	-21	92								Tipo di acciaio non contemplato
7	0	-3505	-234	-136	0	-20	72								Tipo di acciaio non contemplato
8	0	-3647	-228	-118	0	-18	71								Tipo di acciaio non contemplato
1A	25	-1645	-162	56	0	-8	6								Tipo di acciaio non contemplato
1B	25	-1645	67	56	0	-8	4								Tipo di acciaio non contemplato
1C	25	-1645	-162	-167	0	19	6								Tipo di acciaio non contemplato
1D	25	-1645	67	-167	0	19	4								Tipo di acciaio non contemplato
1E	25	-457	-162	56	0	-8	6								Tipo di acciaio non contemplato
1F	25	-457	67	56	0	-8	4								Tipo di acciaio non contemplato
1G	25	-457	-162	-167	0	19	6								Tipo di acciaio non contemplato
1H	25	-457	67	-167	0	19	4								Tipo di acciaio non contemplato
1I	25	-2592	-135	82	0	-10	0								Tipo di acciaio non contemplato
1J	25	-2592	41	82	0	-10	10								Tipo di acciaio non contemplato
1K	25	-2592	-135	-193	0	22	0								Tipo di acciaio non contemplato
1L	25	-2592	41	-193	0	22	10								Tipo di acciaio non contemplato
1M	25	490	-135	82	0	-10	0								Tipo di acciaio non contemplato
1N	25	490	41	82	0	-10	10								Tipo di acciaio non contemplato
1O	25	490	-135	-193	0	22	0								Tipo di acciaio non contemplato
1P	25	490	41	-193	0	22	10								Tipo di acciaio non contemplato
2	25	-4663	-299	-141	0	14	17								Tipo di acciaio non contemplato
7	25	-3505	-237	-136	0	14	14								Tipo di acciaio non contemplato
8	25	-3647	-231	-118	0	12	14								Tipo di acciaio non contemplato
1A	50	-1645	-164	56	0	-22	-35								Tipo di acciaio non contemplato
1B	50	-1645	65	56	0	-22	20								Tipo di acciaio non contemplato
1C	50	-1645	-164	-167	0	61	-35								Tipo di acciaio non contemplato
1D	50	-1645	65	-167	0	61	20								Tipo di acciaio non contemplato
1E	50	-457	-164	56	0	-22	-35								Tipo di acciaio non contemplato
1F	50	-457	65	56	0	-22	20								Tipo di acciaio non contemplato
1G	50	-457	-164	-167	0	61	-35								Tipo di acciaio non contemplato
1H	50	-457	65	-167	0	61	20								Tipo di acciaio non contemplato
1I	50	-2592	-137	82	0	-31	-35								Tipo di acciaio non contemplato
1J	50	-2592	38	82	0	-31	20								Tipo di acciaio non contemplato
1K	50	-2592	-137	-193	0	70	-35								Tipo di acciaio non contemplato
1L	50	-2592	38	-193	0	70	20								Tipo di acciaio non contemplato
1M	50	490	-137	82	0	-31	-35								Tipo di acciaio non contemplato
1N	50	490	38	82	0	-31	20								Tipo di acciaio non contemplato
1O	50	490	-137	-193	0	70	-35								Tipo di acciaio non contemplato
1P	50	490	38	-193	0	70	20								Tipo di acciaio non contemplato
2	50	-4663	-302	-141	0	50	-58								Tipo di acciaio non contemplato
7	50	-3505	-240	-136	0	48	-46								Tipo di acciaio non contemplato
8	50	-3647	-234	-118	0	41	-44								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-1645	10	18								Tipo di acciaio non contemplato
1B	-1645	10	8								Tipo di acciaio non contemplato
1C	-1645	27	18								Tipo di acciaio non contemplato

1D	-1645	27	8	Tipo di acciaio non contemplato
1E	-457	10	18	Tipo di acciaio non contemplato
1F	-457	10	8	Tipo di acciaio non contemplato
1G	-457	27	18	Tipo di acciaio non contemplato
1H	-457	27	8	Tipo di acciaio non contemplato
1I	-2592	15	14	Tipo di acciaio non contemplato
1J	-2592	15	12	Tipo di acciaio non contemplato
1K	-2592	31	14	Tipo di acciaio non contemplato
1L	-2592	31	12	Tipo di acciaio non contemplato
1M	490	15	14	Tipo di acciaio non contemplato
1N	490	15	12	Tipo di acciaio non contemplato
1O	490	31	14	Tipo di acciaio non contemplato
1P	490	31	12	Tipo di acciaio non contemplato
2	-4663	21	37	Tipo di acciaio non contemplato
7	-3505	21	29	Tipo di acciaio non contemplato
8	-3647	18	28	Tipo di acciaio non contemplato

ASTA NUM. 135 NI 516 NF 508 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1407	-255	278	0	62	68								Tipo di acciaio non contemplato
1B	0	-1407	178	278	0	62	-42								Tipo di acciaio non contemplato
1C	0	-1407	-255	-245	0	-52	68								Tipo di acciaio non contemplato
1D	0	-1407	178	-245	0	-52	-42								Tipo di acciaio non contemplato
1E	0	-464	-255	278	0	62	68								Tipo di acciaio non contemplato
1F	0	-464	178	278	0	62	-42								Tipo di acciaio non contemplato
1G	0	-464	-255	-245	0	-52	68								Tipo di acciaio non contemplato
1H	0	-464	178	-245	0	-52	-42								Tipo di acciaio non contemplato
1I	0	-1574	-197	219	0	48	51								Tipo di acciaio non contemplato
1J	0	-1574	120	219	0	48	-25								Tipo di acciaio non contemplato
1K	0	-1574	-197	-186	0	-38	51								Tipo di acciaio non contemplato
1L	0	-1574	120	-186	0	-38	-25								Tipo di acciaio non contemplato
1M	0	-297	-197	219	0	48	51								Tipo di acciaio non contemplato
1N	0	-297	120	219	0	48	-25								Tipo di acciaio non contemplato
1O	0	-297	-197	-186	0	-38	51								Tipo di acciaio non contemplato
1P	0	-297	120	-186	0	-38	-25								Tipo di acciaio non contemplato
2	0	-4126	-250	31	0	11	78								Tipo di acciaio non contemplato
7	0	-3203	-211	5	0	5	64								Tipo di acciaio non contemplato
8	0	-3195	-188	34	0	11	59								Tipo di acciaio non contemplato
1A	25	-1407	-257	278	0	-8	4								Tipo di acciaio non contemplato
1B	25	-1407	176	278	0	-8	2								Tipo di acciaio non contemplato
1C	25	-1407	-257	-245	0	9	4								Tipo di acciaio non contemplato
1D	25	-1407	176	-245	0	9	2								Tipo di acciaio non contemplato
1E	25	-464	-257	278	0	-8	4								Tipo di acciaio non contemplato
1F	25	-464	176	278	0	-8	2								Tipo di acciaio non contemplato
1G	25	-464	-257	-245	0	9	4								Tipo di acciaio non contemplato
1H	25	-464	176	-245	0	9	2								Tipo di acciaio non contemplato
1I	25	-1574	-199	219	0	-7	1								Tipo di acciaio non contemplato
1J	25	-1574	118	219	0	-7	5								Tipo di acciaio non contemplato
1K	25	-1574	-199	-186	0	8	1								Tipo di acciaio non contemplato
1L	25	-1574	118	-186	0	8	5								Tipo di acciaio non contemplato
1M	25	-297	-199	219	0	-7	1								Tipo di acciaio non contemplato
1N	25	-297	118	219	0	-7	5								Tipo di acciaio non contemplato
1O	25	-297	-199	-186	0	8	1								Tipo di acciaio non contemplato
1P	25	-297	118	-186	0	8	5								Tipo di acciaio non contemplato
2	25	-4126	-253	31	0	3	15								Tipo di acciaio non contemplato
7	25	-3203	-214	5	0	3	11								Tipo di acciaio non contemplato
8	25	-3195	-191	34	0	2	12								Tipo di acciaio non contemplato
1A	50	-1407	-259	278	0	-77	-60								Tipo di acciaio non contemplato
1B	50	-1407	174	278	0	-77	45								Tipo di acciaio non contemplato
1C	50	-1407	-259	-245	0	71	-60								Tipo di acciaio non contemplato
1D	50	-1407	174	-245	0	71	45								Tipo di acciaio non contemplato
1E	50	-464	-259	278	0	-77	-60								Tipo di acciaio non contemplato
1F	50	-464	174	278	0	-77	45								Tipo di acciaio non contemplato
1G	50	-464	-259	-245	0	71	-60								Tipo di acciaio non contemplato
1H	50	-464	174	-245	0	71	45								Tipo di acciaio non contemplato
1I	50	-1574	-201	219	0	-62	-49								Tipo di acciaio non contemplato
1J	50	-1574	115	219	0	-62	34								Tipo di acciaio non contemplato
1K	50	-1574	-201	-186	0	55	-49								Tipo di acciaio non contemplato
1L	50	-1574	115	-186	0	55	34								Tipo di acciaio non contemplato
1M	50	-297	-201	219	0	-62	-49								Tipo di acciaio non contemplato
1N	50	-297	115	219	0	-62	34								Tipo di acciaio non contemplato
1O	50	-297	-201	-186	0	55	-49								Tipo di acciaio non contemplato
1P	50	-297	115	-186	0	55	34								Tipo di acciaio non contemplato
2	50	-4126	-256	31	0	-4	-49								Tipo di acciaio non contemplato
7	50	-3203	-217	5	0	2	-43								Tipo di acciaio non contemplato
8	50	-3195	-194	34	0	-6	-36								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-1407	31	27								Tipo di acciaio non contemplato

1B	-1407	31	18	Tipo di acciaio non contemplato
1C	-1407	28	27	Tipo di acciaio non contemplato
1D	-1407	28	18	Tipo di acciaio non contemplato
1E	-464	31	27	Tipo di acciaio non contemplato
1F	-464	31	18	Tipo di acciaio non contemplato
1G	-464	28	27	Tipo di acciaio non contemplato
1H	-464	28	18	Tipo di acciaio non contemplato
1I	-1574	25	20	Tipo di acciaio non contemplato
1J	-1574	25	14	Tipo di acciaio non contemplato
1K	-1574	22	20	Tipo di acciaio non contemplato
1L	-1574	22	14	Tipo di acciaio non contemplato
1M	-297	25	20	Tipo di acciaio non contemplato
1N	-297	25	14	Tipo di acciaio non contemplato
1O	-297	22	20	Tipo di acciaio non contemplato
1P	-297	22	14	Tipo di acciaio non contemplato
2	-4126	5	31	Tipo di acciaio non contemplato
7	-3203	4	26	Tipo di acciaio non contemplato
8	-3195	4	24	Tipo di acciaio non contemplato

ASTA NUM. 136 NI 536 NF 528 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-303	-252	362	0	106	63								Tipo di acciaio non contemplato
1B	0	-303	184	362	0	106	-49								Tipo di acciaio non contemplato
1C	0	-303	-252	-314	0	-90	63								Tipo di acciaio non contemplato
1D	0	-303	184	-314	0	-90	-49								Tipo di acciaio non contemplato
1E	0	188	-252	362	0	106	63								Tipo di acciaio non contemplato
1F	0	188	184	362	0	106	-49								Tipo di acciaio non contemplato
1G	0	188	-252	-314	0	-90	63								Tipo di acciaio non contemplato
1H	0	188	184	-314	0	-90	-49								Tipo di acciaio non contemplato
1I	0	-579	-163	300	0	87	40								Tipo di acciaio non contemplato
1J	0	-579	94	300	0	87	-26								Tipo di acciaio non contemplato
1K	0	-579	-163	-252	0	-71	40								Tipo di acciaio non contemplato
1L	0	-579	94	-252	0	-71	-26								Tipo di acciaio non contemplato
1M	0	464	-163	300	0	87	40								Tipo di acciaio non contemplato
1N	0	464	94	300	0	87	-26								Tipo di acciaio non contemplato
1O	0	464	-163	-252	0	-71	40								Tipo di acciaio non contemplato
1P	0	464	94	-252	0	-71	-26								Tipo di acciaio non contemplato
2	0	174	-28	52	0	17	0								Tipo di acciaio non contemplato
7	0	194	-22	12	0	5	0								Tipo di acciaio non contemplato
8	0	113	-17	56	0	18	0								Tipo di acciaio non contemplato
1A	25	-303	-255	362	0	15	0								Tipo di acciaio non contemplato
1B	25	-303	181	362	0	15	-3								Tipo di acciaio non contemplato
1C	25	-303	-255	-314	0	-11	0								Tipo di acciaio non contemplato
1D	25	-303	181	-314	0	-11	-3								Tipo di acciaio non contemplato
1E	25	188	-255	362	0	15	0								Tipo di acciaio non contemplato
1F	25	188	181	362	0	15	-3								Tipo di acciaio non contemplato
1G	25	188	-255	-314	0	-11	0								Tipo di acciaio non contemplato
1H	25	188	181	-314	0	-11	-3								Tipo di acciaio non contemplato
1I	25	-579	-165	300	0	12	-1								Tipo di acciaio non contemplato
1J	25	-579	92	300	0	12	-3								Tipo di acciaio non contemplato
1K	25	-579	-165	-252	0	-8	-1								Tipo di acciaio non contemplato
1L	25	-579	92	-252	0	-8	-3								Tipo di acciaio non contemplato
1M	25	464	-165	300	0	12	-1								Tipo di acciaio non contemplato
1N	25	464	92	300	0	12	-3								Tipo di acciaio non contemplato
1O	25	464	-165	-252	0	-8	-1								Tipo di acciaio non contemplato
1P	25	464	92	-252	0	-8	-3								Tipo di acciaio non contemplato
2	25	174	-31	52	0	4	-6								Tipo di acciaio non contemplato
7	25	194	-25	12	0	2	-5								Tipo di acciaio non contemplato
8	25	113	-20	56	0	4	-5								Tipo di acciaio non contemplato
1A	50	-303	-257	362	0	-75	-65								Tipo di acciaio non contemplato
1B	50	-303	179	362	0	-75	42								Tipo di acciaio non contemplato
1C	50	-303	-257	-314	0	67	-65								Tipo di acciaio non contemplato
1D	50	-303	179	-314	0	67	42								Tipo di acciaio non contemplato
1E	50	188	-257	362	0	-75	-65								Tipo di acciaio non contemplato
1F	50	188	179	362	0	-75	42								Tipo di acciaio non contemplato
1G	50	188	-257	-314	0	67	-65								Tipo di acciaio non contemplato
1H	50	188	179	-314	0	67	42								Tipo di acciaio non contemplato
1I	50	-579	-167	300	0	-63	-43								Tipo di acciaio non contemplato
1J	50	-579	89	300	0	-63	20								Tipo di acciaio non contemplato
1K	50	-579	-167	-252	0	55	-43								Tipo di acciaio non contemplato
1L	50	-579	89	-252	0	55	20								Tipo di acciaio non contemplato
1M	50	464	-167	300	0	-63	-43								Tipo di acciaio non contemplato
1N	50	464	89	300	0	-63	20								Tipo di acciaio non contemplato
1O	50	464	-167	-252	0	55	-43								Tipo di acciaio non contemplato
1P	50	464	89	-252	0	55	20								Tipo di acciaio non contemplato
2	50	174	-34	52	0	-9	-14								Tipo di acciaio non contemplato
7	50	194	-28	12	0	0	-12								Tipo di acciaio non contemplato
8	50	113	-23	56	0	-10	-11								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		

1A	-303	42	26	Tipo di acciaio non contemplato
1B	-303	42	19	Tipo di acciaio non contemplato
1C	-303	36	26	Tipo di acciaio non contemplato
1D	-303	36	19	Tipo di acciaio non contemplato
1E	188	42	26	Tipo di acciaio non contemplato
1F	188	42	19	Tipo di acciaio non contemplato
1G	188	36	26	Tipo di acciaio non contemplato
1H	188	36	19	Tipo di acciaio non contemplato
1I	-579	35	17	Tipo di acciaio non contemplato
1J	-579	35	10	Tipo di acciaio non contemplato
1K	-579	28	17	Tipo di acciaio non contemplato
1L	-579	28	10	Tipo di acciaio non contemplato
1M	464	35	17	Tipo di acciaio non contemplato
1N	464	35	10	Tipo di acciaio non contemplato
1O	464	28	17	Tipo di acciaio non contemplato
1P	464	28	10	Tipo di acciaio non contemplato
2	174	7	8	Tipo di acciaio non contemplato
7	194	3	7	Tipo di acciaio non contemplato
8	113	7	7	Tipo di acciaio non contemplato

ASTA NUM. 137 NI 435 NF 427 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-30	-238	-3	0	0	60								Tipo di acciaio non contemplato
1B	0	-30	354	-3	0	0	-83								Tipo di acciaio non contemplato
1C	0	-30	-238	-9	0	-2	60								Tipo di acciaio non contemplato
1D	0	-30	354	-9	0	-2	-83								Tipo di acciaio non contemplato
1E	0	249	-238	-3	0	0	60								Tipo di acciaio non contemplato
1F	0	249	354	-3	0	0	-83								Tipo di acciaio non contemplato
1G	0	249	-238	-9	0	-2	60								Tipo di acciaio non contemplato
1H	0	249	354	-9	0	-2	-83								Tipo di acciaio non contemplato
1I	0	41	-464	-2	0	0	114								Tipo di acciaio non contemplato
1J	0	41	580	-2	0	0	-136								Tipo di acciaio non contemplato
1K	0	41	-464	-10	0	-2	114								Tipo di acciaio non contemplato
1L	0	41	580	-10	0	-2	-136								Tipo di acciaio non contemplato
1M	0	177	-464	-2	0	0	114								Tipo di acciaio non contemplato
1N	0	177	580	-2	0	0	-136								Tipo di acciaio non contemplato
1O	0	177	-464	-10	0	-2	114								Tipo di acciaio non contemplato
1P	0	177	580	-10	0	-2	-136								Tipo di acciaio non contemplato
2	0	411	-34	-10	0	-1	8								Tipo di acciaio non contemplato
7	0	336	-52	-9	0	-1	13								Tipo di acciaio non contemplato
8	0	329	-5	-9	0	-1	2								Tipo di acciaio non contemplato
1A	25	-30	-240	-3	0	1	0								Tipo di acciaio non contemplato
1B	25	-30	352	-3	0	1	6								Tipo di acciaio non contemplato
1C	25	-30	-240	-9	0	0	0								Tipo di acciaio non contemplato
1D	25	-30	352	-9	0	0	6								Tipo di acciaio non contemplato
1E	25	249	-240	-3	0	1	0								Tipo di acciaio non contemplato
1F	25	249	352	-3	0	1	6								Tipo di acciaio non contemplato
1G	25	249	-240	-9	0	0	0								Tipo di acciaio non contemplato
1H	25	249	352	-9	0	0	6								Tipo di acciaio non contemplato
1I	25	41	-467	-2	0	0	-2								Tipo di acciaio non contemplato
1J	25	41	578	-2	0	0	9								Tipo di acciaio non contemplato
1K	25	41	-467	-10	0	0	-2								Tipo di acciaio non contemplato
1L	25	41	578	-10	0	0	9								Tipo di acciaio non contemplato
1M	25	177	-467	-2	0	0	-2								Tipo di acciaio non contemplato
1N	25	177	578	-2	0	0	9								Tipo di acciaio non contemplato
1O	25	177	-467	-10	0	0	-2								Tipo di acciaio non contemplato
1P	25	177	578	-10	0	0	9								Tipo di acciaio non contemplato
2	25	411	-37	-10	0	1	0								Tipo di acciaio non contemplato
7	25	336	-55	-9	0	1	0								Tipo di acciaio non contemplato
8	25	329	-8	-9	0	1	0								Tipo di acciaio non contemplato
1A	50	-30	-243	-3	0	2	-60								Tipo di acciaio non contemplato
1B	50	-30	349	-3	0	2	93								Tipo di acciaio non contemplato
1C	50	-30	-243	-9	0	3	-60								Tipo di acciaio non contemplato
1D	50	-30	349	-9	0	3	93								Tipo di acciaio non contemplato
1E	50	249	-243	-3	0	2	-60								Tipo di acciaio non contemplato
1F	50	249	349	-3	0	2	93								Tipo di acciaio non contemplato
1G	50	249	-243	-9	0	3	-60								Tipo di acciaio non contemplato
1H	50	249	349	-9	0	3	93								Tipo di acciaio non contemplato
1I	50	41	-469	-2	0	1	-119								Tipo di acciaio non contemplato
1J	50	41	576	-2	0	1	153								Tipo di acciaio non contemplato
1K	50	41	-469	-10	0	4	-119								Tipo di acciaio non contemplato
1L	50	41	576	-10	0	4	153								Tipo di acciaio non contemplato
1M	50	177	-469	-2	0	1	-119								Tipo di acciaio non contemplato
1N	50	177	576	-2	0	1	153								Tipo di acciaio non contemplato
1O	50	177	-469	-10	0	4	-119								Tipo di acciaio non contemplato
1P	50	177	576	-10	0	4	153								Tipo di acciaio non contemplato
2	50	411	-40	-10	0	4	-11								Tipo di acciaio non contemplato
7	50	336	-58	-9	0	3	-14								Tipo di acciaio non contemplato
8	50	329	-11	-9	0	3	-2								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota

	kg	kg*m		kg/cmq
1A	-30	1	24	Tipo di acciaio non contemplato
1B	-30	1	37	Tipo di acciaio non contemplato
1C	-30	1	24	Tipo di acciaio non contemplato
1D	-30	1	37	Tipo di acciaio non contemplato
1E	249	1	24	Tipo di acciaio non contemplato
1F	249	1	37	Tipo di acciaio non contemplato
1G	249	1	24	Tipo di acciaio non contemplato
1H	249	1	37	Tipo di acciaio non contemplato
1I	41	1	48	Tipo di acciaio non contemplato
1J	41	1	61	Tipo di acciaio non contemplato
1K	41	1	48	Tipo di acciaio non contemplato
1L	41	1	61	Tipo di acciaio non contemplato
1M	177	1	48	Tipo di acciaio non contemplato
1N	177	1	61	Tipo di acciaio non contemplato
1O	177	1	48	Tipo di acciaio non contemplato
1P	177	1	61	Tipo di acciaio non contemplato
2	411	2	4	Tipo di acciaio non contemplato
7	336	2	6	Tipo di acciaio non contemplato
8	329	2	1	Tipo di acciaio non contemplato

ASTA NUM. 138 NI 475 NF 467 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	19	-153	-0	0	0	38								Tipo di acciaio non contemplato
1B	0	19	282	-0	0	0	-69								Tipo di acciaio non contemplato
1C	0	19	-153	-8	0	-1	38								Tipo di acciaio non contemplato
1D	0	19	282	-8	0	-1	-69								Tipo di acciaio non contemplato
1E	0	200	-153	-0	0	0	38								Tipo di acciaio non contemplato
1F	0	200	282	-0	0	0	-69								Tipo di acciaio non contemplato
1G	0	200	-153	-8	0	-1	38								Tipo di acciaio non contemplato
1H	0	200	282	-8	0	-1	-69								Tipo di acciaio non contemplato
1I	0	-25	-219	1	0	0	55								Tipo di acciaio non contemplato
1J	0	-25	348	1	0	0	-86								Tipo di acciaio non contemplato
1K	0	-25	-219	-8	0	-1	55								Tipo di acciaio non contemplato
1L	0	-25	348	-8	0	-1	-86								Tipo di acciaio non contemplato
1M	0	243	-219	1	0	0	55								Tipo di acciaio non contemplato
1N	0	243	348	1	0	0	-86								Tipo di acciaio non contemplato
1O	0	243	-219	-8	0	-1	55								Tipo di acciaio non contemplato
1P	0	243	348	-8	0	-1	-86								Tipo di acciaio non contemplato
2	0	564	245	-9	0	-2	-59								Tipo di acciaio non contemplato
7	0	425	165	-8	0	-1	-39								Tipo di acciaio non contemplato
8	0	435	191	-8	0	-1	-46								Tipo di acciaio non contemplato
1A	25	19	-155	-0	0	0	0								Tipo di acciaio non contemplato
1B	25	19	280	-0	0	0	0								Tipo di acciaio non contemplato
1C	25	19	-155	-8	0	0	0								Tipo di acciaio non contemplato
1D	25	19	280	-8	0	0	0								Tipo di acciaio non contemplato
1E	25	200	-155	-0	0	0	0								Tipo di acciaio non contemplato
1F	25	200	280	-0	0	0	0								Tipo di acciaio non contemplato
1G	25	200	-155	-8	0	0	0								Tipo di acciaio non contemplato
1H	25	200	280	-8	0	0	0								Tipo di acciaio non contemplato
1I	25	-25	-221	1	0	0	0								Tipo di acciaio non contemplato
1J	25	-25	346	1	0	0	1								Tipo di acciaio non contemplato
1K	25	-25	-221	-8	0	0	0								Tipo di acciaio non contemplato
1L	25	-25	346	-8	0	0	1								Tipo di acciaio non contemplato
1M	25	243	-221	1	0	0	0								Tipo di acciaio non contemplato
1N	25	243	346	1	0	0	1								Tipo di acciaio non contemplato
1O	25	243	-221	-8	0	0	0								Tipo di acciaio non contemplato
1P	25	243	346	-8	0	0	1								Tipo di acciaio non contemplato
2	25	564	242	-9	0	0	2								Tipo di acciaio non contemplato
7	25	425	162	-8	0	0	2								Tipo di acciaio non contemplato
8	25	435	188	-8	0	0	2								Tipo di acciaio non contemplato
1A	50	19	-157	-0	0	0	-39								Tipo di acciaio non contemplato
1B	50	19	278	-0	0	0	71								Tipo di acciaio non contemplato
1C	50	19	-157	-8	0	3	-39								Tipo di acciaio non contemplato
1D	50	19	278	-8	0	3	71								Tipo di acciaio non contemplato
1E	50	200	-157	-0	0	0	-39								Tipo di acciaio non contemplato
1F	50	200	278	-0	0	0	71								Tipo di acciaio non contemplato
1G	50	200	-157	-8	0	3	-39								Tipo di acciaio non contemplato
1H	50	200	278	-8	0	3	71								Tipo di acciaio non contemplato
1I	50	-25	-223	1	0	0	-56								Tipo di acciaio non contemplato
1J	50	-25	344	1	0	0	87								Tipo di acciaio non contemplato
1K	50	-25	-223	-8	0	3	-56								Tipo di acciaio non contemplato
1L	50	-25	344	-8	0	3	87								Tipo di acciaio non contemplato
1M	50	243	-223	1	0	0	-56								Tipo di acciaio non contemplato
1N	50	243	344	1	0	0	87								Tipo di acciaio non contemplato
1O	50	243	-223	-8	0	3	-56								Tipo di acciaio non contemplato
1P	50	243	344	-8	0	3	87								Tipo di acciaio non contemplato
2	50	564	239	-9	0	3	62								Tipo di acciaio non contemplato
7	50	425	159	-8	0	3	42								Tipo di acciaio non contemplato
8	50	435	185	-8	0	3	48								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	19	0	16								Tipo di acciaio non contemplato
1B	19	0	28								Tipo di acciaio non contemplato
1C	19	1	16								Tipo di acciaio non contemplato
1D	19	1	28								Tipo di acciaio non contemplato
1E	200	0	16								Tipo di acciaio non contemplato
1F	200	0	28								Tipo di acciaio non contemplato
1G	200	1	16								Tipo di acciaio non contemplato
1H	200	1	28								Tipo di acciaio non contemplato
1I	-25	0	22								Tipo di acciaio non contemplato
1J	-25	0	35								Tipo di acciaio non contemplato
1K	-25	1	22								Tipo di acciaio non contemplato
1L	-25	1	35								Tipo di acciaio non contemplato
1M	243	0	22								Tipo di acciaio non contemplato
1N	243	0	35								Tipo di acciaio non contemplato
1O	243	1	22								Tipo di acciaio non contemplato
1P	243	1	35								Tipo di acciaio non contemplato
2	564	1	25								Tipo di acciaio non contemplato
7	425	1	17								Tipo di acciaio non contemplato
8	435	1	19								Tipo di acciaio non contemplato

ASTA NUM. 139 NI 515 NF 507 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-23	-250	217	0	104	63								Tipo di acciaio non contemplato
1B	0	-23	401	217	0	104	-99								Tipo di acciaio non contemplato
1C	0	-23	-250	-158	0	-76	63								Tipo di acciaio non contemplato
1D	0	-23	401	-158	0	-76	-99								Tipo di acciaio non contemplato
1E	0	233	-250	217	0	104	63								Tipo di acciaio non contemplato
1F	0	233	401	217	0	104	-99								Tipo di acciaio non contemplato
1G	0	233	-250	-158	0	-76	63								Tipo di acciaio non contemplato
1H	0	233	401	-158	0	-76	-99								Tipo di acciaio non contemplato
1I	0	43	-167	166	0	80	42								Tipo di acciaio non contemplato
1J	0	43	317	166	0	80	-78								Tipo di acciaio non contemplato
1K	0	43	-167	-107	0	-52	42								Tipo di acciaio non contemplato
1L	0	43	317	-107	0	-52	-78								Tipo di acciaio non contemplato
1M	0	167	-167	166	0	80	42								Tipo di acciaio non contemplato
1N	0	167	317	166	0	80	-78								Tipo di acciaio non contemplato
1O	0	167	-167	-107	0	-52	42								Tipo di acciaio non contemplato
1P	0	167	317	-107	0	-52	-78								Tipo di acciaio non contemplato
2	0	460	237	75	0	35	-57								Tipo di acciaio non contemplato
7	0	361	173	49	0	23	-41								Tipo di acciaio non contemplato
8	0	358	186	70	0	33	-45								Tipo di acciaio non contemplato
1A	25	-23	-252	217	0	49	0								Tipo di acciaio non contemplato
1B	25	-23	398	217	0	49	1								Tipo di acciaio non contemplato
1C	25	-23	-252	-158	0	-36	0								Tipo di acciaio non contemplato
1D	25	-23	398	-158	0	-36	1								Tipo di acciaio non contemplato
1E	25	233	-252	217	0	49	0								Tipo di acciaio non contemplato
1F	25	233	398	217	0	49	1								Tipo di acciaio non contemplato
1G	25	233	-252	-158	0	-36	0								Tipo di acciaio non contemplato
1H	25	233	398	-158	0	-36	1								Tipo di acciaio non contemplato
1I	25	43	-169	166	0	38	0								Tipo di acciaio non contemplato
1J	25	43	315	166	0	38	0								Tipo di acciaio non contemplato
1K	25	43	-169	-107	0	-25	0								Tipo di acciaio non contemplato
1L	25	43	315	-107	0	-25	0								Tipo di acciaio non contemplato
1M	25	167	-169	166	0	38	0								Tipo di acciaio non contemplato
1N	25	167	315	166	0	38	0								Tipo di acciaio non contemplato
1O	25	167	-169	-107	0	-25	0								Tipo di acciaio non contemplato
1P	25	167	315	-107	0	-25	0								Tipo di acciaio non contemplato
2	25	460	234	75	0	17	2								Tipo di acciaio non contemplato
7	25	361	170	49	0	11	1								Tipo di acciaio non contemplato
8	25	358	183	70	0	15	1								Tipo di acciaio non contemplato
1A	50	-23	-254	217	0	-5	-63								Tipo di acciaio non contemplato
1B	50	-23	396	217	0	-5	100								Tipo di acciaio non contemplato
1C	50	-23	-254	-158	0	3	-63								Tipo di acciaio non contemplato
1D	50	-23	396	-158	0	3	100								Tipo di acciaio non contemplato
1E	50	233	-254	217	0	-5	-63								Tipo di acciaio non contemplato
1F	50	233	396	217	0	-5	100								Tipo di acciaio non contemplato
1G	50	233	-254	-158	0	3	-63								Tipo di acciaio non contemplato
1H	50	233	396	-158	0	3	100								Tipo di acciaio non contemplato
1I	50	43	-171	166	0	-3	-42								Tipo di acciaio non contemplato
1J	50	43	313	166	0	-3	79								Tipo di acciaio non contemplato
1K	50	43	-171	-107	0	2	-42								Tipo di acciaio non contemplato
1L	50	43	313	-107	0	2	79								Tipo di acciaio non contemplato
1M	50	167	-171	166	0	-3	-42								Tipo di acciaio non contemplato
1N	50	167	313	166	0	-3	79								Tipo di acciaio non contemplato
1O	50	167	-171	-107	0	2	-42								Tipo di acciaio non contemplato
1P	50	167	313	-107	0	2	79								Tipo di acciaio non contemplato
2	50	460	231	75	0	-2	60								Tipo di acciaio non contemplato
7	50	361	167	49	0	-2	44								Tipo di acciaio non contemplato
8	50	358	180	70	0	-2	47								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-23	60	25								Tipo di acciaio non contemplato
1B	-23	60	40								Tipo di acciaio non contemplato
1C	-23	44	25								Tipo di acciaio non contemplato
1D	-23	44	40								Tipo di acciaio non contemplato
1E	233	60	25								Tipo di acciaio non contemplato
1F	233	60	40								Tipo di acciaio non contemplato
1G	233	44	25								Tipo di acciaio non contemplato
1H	233	44	40								Tipo di acciaio non contemplato
1I	43	46	17								Tipo di acciaio non contemplato
1J	43	46	32								Tipo di acciaio non contemplato
1K	43	30	17								Tipo di acciaio non contemplato
1L	43	30	32								Tipo di acciaio non contemplato
1M	167	46	17								Tipo di acciaio non contemplato
1N	167	46	32								Tipo di acciaio non contemplato
1O	167	30	17								Tipo di acciaio non contemplato
1P	167	30	32								Tipo di acciaio non contemplato
2	460	20	24								Tipo di acciaio non contemplato
7	361	13	17								Tipo di acciaio non contemplato
8	358	19	19								Tipo di acciaio non contemplato

ASTA NUM. 140 NI 535 NF 527 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-141	-186	113	0	53	47								Tipo di acciaio non contemplato
1B	0	-141	186	113	0	53	-45								Tipo di acciaio non contemplato
1C	0	-141	-186	-79	0	-37	47								Tipo di acciaio non contemplato
1D	0	-141	186	-79	0	-37	-45								Tipo di acciaio non contemplato
1E	0	150	-186	113	0	53	47								Tipo di acciaio non contemplato
1F	0	150	186	113	0	53	-45								Tipo di acciaio non contemplato
1G	0	150	-186	-79	0	-37	47								Tipo di acciaio non contemplato
1H	0	150	186	-79	0	-37	-45								Tipo di acciaio non contemplato
1I	0	-96	-76	89	0	41	19								Tipo di acciaio non contemplato
1J	0	-96	76	89	0	41	-18								Tipo di acciaio non contemplato
1K	0	-96	-76	-54	0	-26	19								Tipo di acciaio non contemplato
1L	0	-96	76	-54	0	-26	-18								Tipo di acciaio non contemplato
1M	0	105	-76	89	0	41	19								Tipo di acciaio non contemplato
1N	0	105	76	89	0	41	-18								Tipo di acciaio non contemplato
1O	0	105	-76	-54	0	-26	19								Tipo di acciaio non contemplato
1P	0	105	76	-54	0	-26	-18								Tipo di acciaio non contemplato
2	0	-11	8	49	0	22	0								Tipo di acciaio non contemplato
7	0	-15	-0	32	0	14	1								Tipo di acciaio non contemplato
8	0	-4	15	44	0	20	-3								Tipo di acciaio non contemplato
1A	25	-141	-188	113	0	24	0								Tipo di acciaio non contemplato
1B	25	-141	183	113	0	24	0								Tipo di acciaio non contemplato
1C	25	-141	-188	-79	0	-18	0								Tipo di acciaio non contemplato
1D	25	-141	183	-79	0	-18	0								Tipo di acciaio non contemplato
1E	25	150	-188	113	0	24	0								Tipo di acciaio non contemplato
1F	25	150	183	113	0	24	0								Tipo di acciaio non contemplato
1G	25	150	-188	-79	0	-18	0								Tipo di acciaio non contemplato
1H	25	150	183	-79	0	-18	0								Tipo di acciaio non contemplato
1I	25	-96	-78	89	0	19	0								Tipo di acciaio non contemplato
1J	25	-96	74	89	0	19	0								Tipo di acciaio non contemplato
1K	25	-96	-78	-54	0	-12	0								Tipo di acciaio non contemplato
1L	25	-96	74	-54	0	-12	0								Tipo di acciaio non contemplato
1M	25	105	-78	89	0	19	0								Tipo di acciaio non contemplato
1N	25	105	74	89	0	19	0								Tipo di acciaio non contemplato
1O	25	105	-78	-54	0	-12	0								Tipo di acciaio non contemplato
1P	25	105	74	-54	0	-12	0								Tipo di acciaio non contemplato
2	25	-11	5	49	0	10	0								Tipo di acciaio non contemplato
7	25	-15	-3	32	0	6	0								Tipo di acciaio non contemplato
8	25	-4	12	44	0	9	0								Tipo di acciaio non contemplato
1A	50	-141	-190	113	0	-4	-47								Tipo di acciaio non contemplato
1B	50	-141	181	113	0	-4	46								Tipo di acciaio non contemplato
1C	50	-141	-190	-79	0	2	-47								Tipo di acciaio non contemplato
1D	50	-141	181	-79	0	2	46								Tipo di acciaio non contemplato
1E	50	150	-190	113	0	-4	-47								Tipo di acciaio non contemplato
1F	50	150	181	113	0	-4	46								Tipo di acciaio non contemplato
1G	50	150	-190	-79	0	2	-47								Tipo di acciaio non contemplato
1H	50	150	181	-79	0	2	46								Tipo di acciaio non contemplato
1I	50	-96	-81	89	0	-3	-20								Tipo di acciaio non contemplato
1J	50	-96	72	89	0	-3	19								Tipo di acciaio non contemplato
1K	50	-96	-81	-54	0	1	-20								Tipo di acciaio non contemplato
1L	50	-96	72	-54	0	1	19								Tipo di acciaio non contemplato
1M	50	105	-81	89	0	-3	-20								Tipo di acciaio non contemplato
1N	50	105	72	89	0	-3	19								Tipo di acciaio non contemplato
1O	50	105	-81	-54	0	1	-20								Tipo di acciaio non contemplato
1P	50	105	72	-54	0	1	19								Tipo di acciaio non contemplato
2	50	-11	2	49	0	-2	2								Tipo di acciaio non contemplato
7	50	-15	-6	32	0	-2	0								Tipo di acciaio non contemplato
8	50	-4	9	44	0	-2	4								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-141	30	19								Tipo di acciaio non contemplato
1B	-141	30	18								Tipo di acciaio non contemplato
1C	-141	22	19								Tipo di acciaio non contemplato
1D	-141	22	18								Tipo di acciaio non contemplato
1E	150	30	19								Tipo di acciaio non contemplato
1F	150	30	18								Tipo di acciaio non contemplato
1G	150	22	19								Tipo di acciaio non contemplato
1H	150	22	18								Tipo di acciaio non contemplato
1I	-96	24	8								Tipo di acciaio non contemplato
1J	-96	24	8								Tipo di acciaio non contemplato
1K	-96	15	8								Tipo di acciaio non contemplato
1L	-96	15	8								Tipo di acciaio non contemplato
1M	105	24	8								Tipo di acciaio non contemplato
1N	105	24	8								Tipo di acciaio non contemplato
1O	105	15	8								Tipo di acciaio non contemplato
1P	105	15	8								Tipo di acciaio non contemplato
2	-11	12	1								Tipo di acciaio non contemplato
7	-15	8	1								Tipo di acciaio non contemplato
8	-4	11	1								Tipo di acciaio non contemplato

ASTA NUM. 141 NI 434 NF 426 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	212	-250	49	0	23	63								Tipo di acciaio non contemplato
1B	0	212	421	49	0	23	-105								Tipo di acciaio non contemplato
1C	0	212	-250	-29	0	-15	63								Tipo di acciaio non contemplato
1D	0	212	421	-29	0	-15	-105								Tipo di acciaio non contemplato
1E	0	435	-250	49	0	23	63								Tipo di acciaio non contemplato
1F	0	435	421	49	0	23	-105								Tipo di acciaio non contemplato
1G	0	435	-250	-29	0	-15	63								Tipo di acciaio non contemplato
1H	0	435	421	-29	0	-15	-105								Tipo di acciaio non contemplato
1I	0	208	-535	45	0	21	135								Tipo di acciaio non contemplato
1J	0	208	705	45	0	21	-177								Tipo di acciaio non contemplato
1K	0	208	-535	-25	0	-13	135								Tipo di acciaio non contemplato
1L	0	208	705	-25	0	-13	-177								Tipo di acciaio non contemplato
1M	0	439	-535	45	0	21	135								Tipo di acciaio non contemplato
1N	0	439	705	45	0	21	-177								Tipo di acciaio non contemplato
1O	0	439	-535	-25	0	-13	135								Tipo di acciaio non contemplato
1P	0	439	705	-25	0	-13	-177								Tipo di acciaio non contemplato
2	0	470	-63	-3	0	-3	16								Tipo di acciaio non contemplato
7	0	450	-73	0	0	-1	19								Tipo di acciaio non contemplato
8	0	455	-15	2	0	0	4								Tipo di acciaio non contemplato
1A	25	212	-252	49	0	10	0								Tipo di acciaio non contemplato
1B	25	212	419	49	0	10	0								Tipo di acciaio non contemplato
1C	25	212	-252	-29	0	-7	0								Tipo di acciaio non contemplato
1D	25	212	419	-29	0	-7	0								Tipo di acciaio non contemplato
1E	25	435	-252	49	0	10	0								Tipo di acciaio non contemplato
1F	25	435	419	49	0	10	0								Tipo di acciaio non contemplato
1G	25	435	-252	-29	0	-7	0								Tipo di acciaio non contemplato
1H	25	435	419	-29	0	-7	0								Tipo di acciaio non contemplato
1I	25	208	-537	45	0	10	0								Tipo di acciaio non contemplato
1J	25	208	703	45	0	10	0								Tipo di acciaio non contemplato
1K	25	208	-537	-25	0	-7	0								Tipo di acciaio non contemplato
1L	25	208	703	-25	0	-7	0								Tipo di acciaio non contemplato
1M	25	439	-537	45	0	10	0								Tipo di acciaio non contemplato
1N	25	439	703	45	0	10	0								Tipo di acciaio non contemplato
1O	25	439	-537	-25	0	-7	0								Tipo di acciaio non contemplato
1P	25	439	703	-25	0	-7	0								Tipo di acciaio non contemplato
2	25	470	-66	-3	0	-2	0								Tipo di acciaio non contemplato
7	25	450	-76	0	0	-1	0								Tipo di acciaio non contemplato
8	25	455	-18	2	0	0	0								Tipo di acciaio non contemplato
1A	50	212	-255	49	0	-2	-63								Tipo di acciaio non contemplato
1B	50	212	416	49	0	-2	104								Tipo di acciaio non contemplato
1C	50	212	-255	-29	0	0	-63								Tipo di acciaio non contemplato
1D	50	212	416	-29	0	0	104								Tipo di acciaio non contemplato
1E	50	435	-255	49	0	-2	-63								Tipo di acciaio non contemplato
1F	50	435	416	49	0	-2	104								Tipo di acciaio non contemplato
1G	50	435	-255	-29	0	0	-63								Tipo di acciaio non contemplato
1H	50	435	416	-29	0	0	104								Tipo di acciaio non contemplato
1I	50	208	-539	45	0	-2	-134								Tipo di acciaio non contemplato
1J	50	208	701	45	0	-2	175								Tipo di acciaio non contemplato
1K	50	208	-539	-25	0	0	-134								Tipo di acciaio non contemplato
1L	50	208	701	-25	0	0	175								Tipo di acciaio non contemplato
1M	50	439	-539	45	0	-2	-134								Tipo di acciaio non contemplato
1N	50	439	701	45	0	-2	175								Tipo di acciaio non contemplato
1O	50	439	-539	-25	0	0	-134								Tipo di acciaio non contemplato
1P	50	439	701	-25	0	0	175								Tipo di acciaio non contemplato
2	50	470	-69	-3	0	-1	-17								Tipo di acciaio non contemplato
7	50	450	-79	0	0	-1	-19								Tipo di acciaio non contemplato

8	50	455	-21	2	0	-1	-5				Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	212	13	25								Tipo di acciaio non contemplato
1B	212	13	42								Tipo di acciaio non contemplato
1C	212	9	25								Tipo di acciaio non contemplato
1D	212	9	42								Tipo di acciaio non contemplato
1E	435	13	25								Tipo di acciaio non contemplato
1F	435	13	42								Tipo di acciaio non contemplato
1G	435	9	25								Tipo di acciaio non contemplato
1H	435	9	42								Tipo di acciaio non contemplato
1I	208	12	54								Tipo di acciaio non contemplato
1J	208	12	71								Tipo di acciaio non contemplato
1K	208	8	54								Tipo di acciaio non contemplato
1L	208	8	71								Tipo di acciaio non contemplato
1M	439	12	54								Tipo di acciaio non contemplato
1N	439	12	71								Tipo di acciaio non contemplato
1O	439	8	54								Tipo di acciaio non contemplato
1P	439	8	71								Tipo di acciaio non contemplato
2	470	2	7								Tipo di acciaio non contemplato
7	450	1	8								Tipo di acciaio non contemplato
8	455	1	2								Tipo di acciaio non contemplato

ASTA NUM. 142 NI 474 NF 466 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-26	-190	66	0	32	48								Tipo di acciaio non contemplato
1B	0	-26	332	66	0	32	-83								Tipo di acciaio non contemplato
1C	0	-26	-190	-90	0	-44	48								Tipo di acciaio non contemplato
1D	0	-26	332	-90	0	-44	-83								Tipo di acciaio non contemplato
1E	0	112	-190	66	0	32	48								Tipo di acciaio non contemplato
1F	0	112	332	66	0	32	-83								Tipo di acciaio non contemplato
1G	0	112	-190	-90	0	-44	48								Tipo di acciaio non contemplato
1H	0	112	332	-90	0	-44	-83								Tipo di acciaio non contemplato
1I	0	9	-248	56	0	27	63								Tipo di acciaio non contemplato
1J	0	9	390	56	0	27	-98								Tipo di acciaio non contemplato
1K	0	9	-248	-79	0	-39	63								Tipo di acciaio non contemplato
1L	0	9	390	-79	0	-39	-98								Tipo di acciaio non contemplato
1M	0	77	-248	56	0	27	63								Tipo di acciaio non contemplato
1N	0	77	390	56	0	27	-98								Tipo di acciaio non contemplato
1O	0	77	-248	-79	0	-39	63								Tipo di acciaio non contemplato
1P	0	77	390	-79	0	-39	-98								Tipo di acciaio non contemplato
2	0	232	293	-56	0	-28	-73								Tipo di acciaio non contemplato
7	0	178	198	-50	0	-25	-49								Tipo di acciaio non contemplato
8	0	180	226	-43	0	-22	-56								Tipo di acciaio non contemplato
1A	25	-26	-192	66	0	15	0								Tipo di acciaio non contemplato
1B	25	-26	330	66	0	15	0								Tipo di acciaio non contemplato
1C	25	-26	-192	-90	0	-21	0								Tipo di acciaio non contemplato
1D	25	-26	330	-90	0	-21	0								Tipo di acciaio non contemplato
1E	25	112	-192	66	0	15	0								Tipo di acciaio non contemplato
1F	25	112	330	66	0	15	0								Tipo di acciaio non contemplato
1G	25	112	-192	-90	0	-21	0								Tipo di acciaio non contemplato
1H	25	112	330	-90	0	-21	0								Tipo di acciaio non contemplato
1I	25	9	-250	56	0	13	0								Tipo di acciaio non contemplato
1J	25	9	388	56	0	13	0								Tipo di acciaio non contemplato
1K	25	9	-250	-79	0	-19	0								Tipo di acciaio non contemplato
1L	25	9	388	-79	0	-19	0								Tipo di acciaio non contemplato
1M	25	77	-250	56	0	13	0								Tipo di acciaio non contemplato
1N	25	77	388	56	0	13	0								Tipo di acciaio non contemplato
1O	25	77	-250	-79	0	-19	0								Tipo di acciaio non contemplato
1P	25	77	388	-79	0	-19	0								Tipo di acciaio non contemplato
2	25	232	290	-56	0	-14	0								Tipo di acciaio non contemplato
7	25	178	195	-50	0	-12	0								Tipo di acciaio non contemplato
8	25	180	223	-43	0	-11	0								Tipo di acciaio non contemplato
1A	50	-26	-194	66	0	-1	-48								Tipo di acciaio non contemplato
1B	50	-26	328	66	0	-1	82								Tipo di acciaio non contemplato
1C	50	-26	-194	-90	0	1	-48								Tipo di acciaio non contemplato
1D	50	-26	328	-90	0	1	82								Tipo di acciaio non contemplato
1E	50	112	-194	66	0	-1	-48								Tipo di acciaio non contemplato
1F	50	112	328	66	0	-1	82								Tipo di acciaio non contemplato
1G	50	112	-194	-90	0	1	-48								Tipo di acciaio non contemplato
1H	50	112	328	-90	0	1	82								Tipo di acciaio non contemplato
1I	50	9	-253	56	0	0	-63								Tipo di acciaio non contemplato
1J	50	9	386	56	0	0	97								Tipo di acciaio non contemplato
1K	50	9	-253	-79	0	0	-63								Tipo di acciaio non contemplato
1L	50	9	386	-79	0	0	97								Tipo di acciaio non contemplato
1M	50	77	-253	56	0	0	-63								Tipo di acciaio non contemplato
1N	50	77	386	56	0	0	97								Tipo di acciaio non contemplato
1O	50	77	-253	-79	0	0	-63								Tipo di acciaio non contemplato
1P	50	77	386	-79	0	0	97								Tipo di acciaio non contemplato

2	50	232	287	-56	0	0	72	Tipo di acciaio non contemplato
7	50	178	192	-50	0	0	48	Tipo di acciaio non contemplato
8	50	180	221	-43	0	0	55	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-26	19	19								Tipo di acciaio non contemplato
1B	-26	19	33								Tipo di acciaio non contemplato
1C	-26	26	19								Tipo di acciaio non contemplato
1D	-26	26	33								Tipo di acciaio non contemplato
1E	112	19	19								Tipo di acciaio non contemplato
1F	112	19	33								Tipo di acciaio non contemplato
1G	112	26	19								Tipo di acciaio non contemplato
1H	112	26	33								Tipo di acciaio non contemplato
1I	9	16	25								Tipo di acciaio non contemplato
1J	9	16	39								Tipo di acciaio non contemplato
1K	9	23	25								Tipo di acciaio non contemplato
1L	9	23	39								Tipo di acciaio non contemplato
1M	77	16	25								Tipo di acciaio non contemplato
1N	77	16	39								Tipo di acciaio non contemplato
1O	77	23	25								Tipo di acciaio non contemplato
1P	77	23	39								Tipo di acciaio non contemplato
2	232	17	29								Tipo di acciaio non contemplato
7	178	15	20								Tipo di acciaio non contemplato
8	180	13	23								Tipo di acciaio non contemplato

ASTA NUM. 143 NI 514 NF 506 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-64	-185	75	0	38	47								Tipo di acciaio non contemplato
1B	0	-64	353	75	0	38	-88								Tipo di acciaio non contemplato
1C	0	-64	-185	-51	0	-26	47								Tipo di acciaio non contemplato
1D	0	-64	353	-51	0	-26	-88								Tipo di acciaio non contemplato
1E	0	166	-185	75	0	38	47								Tipo di acciaio non contemplato
1F	0	166	353	75	0	38	-88								Tipo di acciaio non contemplato
1G	0	166	-185	-51	0	-26	47								Tipo di acciaio non contemplato
1H	0	166	353	-51	0	-26	-88								Tipo di acciaio non contemplato
1I	0	9	-137	54	0	27	35								Tipo di acciaio non contemplato
1J	0	9	305	54	0	27	-76								Tipo di acciaio non contemplato
1K	0	9	-137	-29	0	-15	35								Tipo di acciaio non contemplato
1L	0	9	305	-29	0	-15	-76								Tipo di acciaio non contemplato
1M	0	93	-137	54	0	27	35								Tipo di acciaio non contemplato
1N	0	93	305	54	0	27	-76								Tipo di acciaio non contemplato
1O	0	93	-137	-29	0	-15	35								Tipo di acciaio non contemplato
1P	0	93	305	-29	0	-15	-76								Tipo di acciaio non contemplato
2	0	182	279	34	0	17	-70								Tipo di acciaio non contemplato
7	0	147	208	24	0	12	-52								Tipo di acciaio non contemplato
8	0	147	217	30	0	15	-54								Tipo di acciaio non contemplato
1A	25	-64	-187	75	0	19	0								Tipo di acciaio non contemplato
1B	25	-64	351	75	0	19	0								Tipo di acciaio non contemplato
1C	25	-64	-187	-51	0	-13	0								Tipo di acciaio non contemplato
1D	25	-64	351	-51	0	-13	0								Tipo di acciaio non contemplato
1E	25	166	-187	75	0	19	0								Tipo di acciaio non contemplato
1F	25	166	351	75	0	19	0								Tipo di acciaio non contemplato
1G	25	166	-187	-51	0	-13	0								Tipo di acciaio non contemplato
1H	25	166	351	-51	0	-13	0								Tipo di acciaio non contemplato
1I	25	9	-139	54	0	14	0								Tipo di acciaio non contemplato
1J	25	9	303	54	0	14	0								Tipo di acciaio non contemplato
1K	25	9	-139	-29	0	-8	0								Tipo di acciaio non contemplato
1L	25	9	303	-29	0	-8	0								Tipo di acciaio non contemplato
1M	25	93	-139	54	0	14	0								Tipo di acciaio non contemplato
1N	25	93	303	54	0	14	0								Tipo di acciaio non contemplato
1O	25	93	-139	-29	0	-8	0								Tipo di acciaio non contemplato
1P	25	93	303	-29	0	-8	0								Tipo di acciaio non contemplato
2	25	182	276	34	0	8	0								Tipo di acciaio non contemplato
7	25	147	205	24	0	6	0								Tipo di acciaio non contemplato
8	25	147	214	30	0	8	0								Tipo di acciaio non contemplato
1A	50	-64	-189	75	0	0	-47								Tipo di acciaio non contemplato
1B	50	-64	349	75	0	0	87								Tipo di acciaio non contemplato
1C	50	-64	-189	-51	0	0	-47								Tipo di acciaio non contemplato
1D	50	-64	349	-51	0	0	87								Tipo di acciaio non contemplato
1E	50	166	-189	75	0	0	-47								Tipo di acciaio non contemplato
1F	50	166	349	75	0	0	87								Tipo di acciaio non contemplato
1G	50	166	-189	-51	0	0	-47								Tipo di acciaio non contemplato
1H	50	166	349	-51	0	0	87								Tipo di acciaio non contemplato
1I	50	9	-141	54	0	0	-35								Tipo di acciaio non contemplato
1J	50	9	301	54	0	0	75								Tipo di acciaio non contemplato
1K	50	9	-141	-29	0	0	-35								Tipo di acciaio non contemplato
1L	50	9	301	-29	0	0	75								Tipo di acciaio non contemplato
1M	50	93	-141	54	0	0	-35								Tipo di acciaio non contemplato
1N	50	93	301	54	0	0	75								Tipo di acciaio non contemplato

1O	50	93	-141	-29	0	0	-35		Tipo di acciaio non contemplato
1P	50	93	301	-29	0	0	75		Tipo di acciaio non contemplato
2	50	182	273	34	0	0	68		Tipo di acciaio non contemplato
7	50	147	202	24	0	0	51		Tipo di acciaio non contemplato
8	50	147	212	30	0	0	53		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-64	23	19								Tipo di acciaio non contemplato
1B	-64	23	35								Tipo di acciaio non contemplato
1C	-64	15	19								Tipo di acciaio non contemplato
1D	-64	15	35								Tipo di acciaio non contemplato
1E	166	23	19								Tipo di acciaio non contemplato
1F	166	23	35								Tipo di acciaio non contemplato
1G	166	15	19								Tipo di acciaio non contemplato
1H	166	15	35								Tipo di acciaio non contemplato
1I	9	16	14								Tipo di acciaio non contemplato
1J	9	16	30								Tipo di acciaio non contemplato
1K	9	9	14								Tipo di acciaio non contemplato
1L	9	9	30								Tipo di acciaio non contemplato
1M	93	16	14								Tipo di acciaio non contemplato
1N	93	16	30								Tipo di acciaio non contemplato
1O	93	9	14								Tipo di acciaio non contemplato
1P	93	9	30								Tipo di acciaio non contemplato
2	182	10	28								Tipo di acciaio non contemplato
7	147	7	21								Tipo di acciaio non contemplato
8	147	9	22								Tipo di acciaio non contemplato

ASTA NUM. 144 NI 534 NF 526 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-144	-186	140	0	70	47								Tipo di acciaio non contemplato
1B	0	-144	200	140	0	70	-50								Tipo di acciaio non contemplato
1C	0	-144	-186	-93	0	-47	47								Tipo di acciaio non contemplato
1D	0	-144	200	-93	0	-47	-50								Tipo di acciaio non contemplato
1E	0	181	-186	140	0	70	47								Tipo di acciaio non contemplato
1F	0	181	200	140	0	70	-50								Tipo di acciaio non contemplato
1G	0	181	-186	-93	0	-47	47								Tipo di acciaio non contemplato
1H	0	181	200	-93	0	-47	-50								Tipo di acciaio non contemplato
1I	0	-51	-89	104	0	52	23								Tipo di acciaio non contemplato
1J	0	-51	103	104	0	52	-26								Tipo di acciaio non contemplato
1K	0	-51	-89	-57	0	-29	23								Tipo di acciaio non contemplato
1L	0	-51	103	-57	0	-29	-26								Tipo di acciaio non contemplato
1M	0	89	-89	104	0	52	23								Tipo di acciaio non contemplato
1N	0	89	103	104	0	52	-26								Tipo di acciaio non contemplato
1O	0	89	-89	-57	0	-29	23								Tipo di acciaio non contemplato
1P	0	89	103	-57	0	-29	-26								Tipo di acciaio non contemplato
2	0	139	-13	72	0	36	4								Tipo di acciaio non contemplato
7	0	103	-15	50	0	25	4								Tipo di acciaio non contemplato
8	0	135	-7	64	0	32	2								Tipo di acciaio non contemplato
1A	25	-144	-188	140	0	35	0								Tipo di acciaio non contemplato
1B	25	-144	198	140	0	35	0								Tipo di acciaio non contemplato
1C	25	-144	-188	-93	0	-23	0								Tipo di acciaio non contemplato
1D	25	-144	198	-93	0	-23	0								Tipo di acciaio non contemplato
1E	25	181	-188	140	0	35	0								Tipo di acciaio non contemplato
1F	25	181	198	140	0	35	0								Tipo di acciaio non contemplato
1G	25	181	-188	-93	0	-23	0								Tipo di acciaio non contemplato
1H	25	181	198	-93	0	-23	0								Tipo di acciaio non contemplato
1I	25	-51	-91	104	0	26	0								Tipo di acciaio non contemplato
1J	25	-51	101	104	0	26	0								Tipo di acciaio non contemplato
1K	25	-51	-91	-57	0	-14	0								Tipo di acciaio non contemplato
1L	25	-51	101	-57	0	-14	0								Tipo di acciaio non contemplato
1M	25	89	-91	104	0	26	0								Tipo di acciaio non contemplato
1N	25	89	101	104	0	26	0								Tipo di acciaio non contemplato
1O	25	89	-91	-57	0	-14	0								Tipo di acciaio non contemplato
1P	25	89	101	-57	0	-14	0								Tipo di acciaio non contemplato
2	25	139	-16	72	0	18	0								Tipo di acciaio non contemplato
7	25	103	-18	50	0	12	0								Tipo di acciaio non contemplato
8	25	135	-10	64	0	16	0								Tipo di acciaio non contemplato
1A	50	-144	-190	140	0	0	-47								Tipo di acciaio non contemplato
1B	50	-144	196	140	0	0	49								Tipo di acciaio non contemplato
1C	50	-144	-190	-93	0	0	-47								Tipo di acciaio non contemplato
1D	50	-144	196	-93	0	0	49								Tipo di acciaio non contemplato
1E	50	181	-190	140	0	0	-47								Tipo di acciaio non contemplato
1F	50	181	196	140	0	0	49								Tipo di acciaio non contemplato
1G	50	181	-190	-93	0	0	-47								Tipo di acciaio non contemplato
1H	50	181	196	-93	0	0	49								Tipo di acciaio non contemplato
1I	50	-51	-93	104	0	0	-23								Tipo di acciaio non contemplato
1J	50	-51	99	104	0	0	25								Tipo di acciaio non contemplato
1K	50	-51	-93	-57	0	0	-23								Tipo di acciaio non contemplato
1L	50	-51	99	-57	0	0	25								Tipo di acciaio non contemplato

1M	50	89	-93	104	0	0	-23		Tipo di acciaio non contemplato
1N	50	89	99	104	0	0	25		Tipo di acciaio non contemplato
1O	50	89	-93	-57	0	0	-23		Tipo di acciaio non contemplato
1P	50	89	99	-57	0	0	25		Tipo di acciaio non contemplato
2	50	139	-19	72	0	0	-4		Tipo di acciaio non contemplato
7	50	103	-21	50	0	0	-5		Tipo di acciaio non contemplato
8	50	135	-13	64	0	0	-3		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-144	42	19								Tipo di acciaio non contemplato
1B	-144	42	20								Tipo di acciaio non contemplato
1C	-144	28	19								Tipo di acciaio non contemplato
1D	-144	28	20								Tipo di acciaio non contemplato
1E	181	42	19								Tipo di acciaio non contemplato
1F	181	42	20								Tipo di acciaio non contemplato
1G	181	28	19								Tipo di acciaio non contemplato
1H	181	28	20								Tipo di acciaio non contemplato
1I	-51	31	9								Tipo di acciaio non contemplato
1J	-51	31	10								Tipo di acciaio non contemplato
1K	-51	17	9								Tipo di acciaio non contemplato
1L	-51	17	10								Tipo di acciaio non contemplato
1M	89	31	9								Tipo di acciaio non contemplato
1N	89	31	10								Tipo di acciaio non contemplato
1O	89	17	9								Tipo di acciaio non contemplato
1P	89	17	10								Tipo di acciaio non contemplato
2	139	21	2								Tipo di acciaio non contemplato
7	103	15	2								Tipo di acciaio non contemplato
8	135	19	1								Tipo di acciaio non contemplato

ASTA NUM. 145 NI 433 NF 425 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	214	-258	7	0	1	65								Tipo di acciaio non contemplato
1B	0	214	438	7	0	1	-109								Tipo di acciaio non contemplato
1C	0	214	-258	-1	0	0	65								Tipo di acciaio non contemplato
1D	0	214	438	-1	0	0	-109								Tipo di acciaio non contemplato
1E	0	396	-258	7	0	1	65								Tipo di acciaio non contemplato
1F	0	396	438	7	0	1	-109								Tipo di acciaio non contemplato
1G	0	396	-258	-1	0	0	65								Tipo di acciaio non contemplato
1H	0	396	438	-1	0	0	-109								Tipo di acciaio non contemplato
1I	0	209	-552	6	0	1	138								Tipo di acciaio non contemplato
1J	0	209	731	6	0	1	-182								Tipo di acciaio non contemplato
1K	0	209	-552	0	0	0	138								Tipo di acciaio non contemplato
1L	0	209	731	0	0	0	-182								Tipo di acciaio non contemplato
1M	0	401	-552	6	0	1	138								Tipo di acciaio non contemplato
1N	0	401	731	6	0	1	-182								Tipo di acciaio non contemplato
1O	0	401	-552	0	0	0	138								Tipo di acciaio non contemplato
1P	0	401	731	0	0	0	-182								Tipo di acciaio non contemplato
2	0	480	-66	4	0	0	17								Tipo di acciaio non contemplato
7	0	455	-75	4	0	0	19								Tipo di acciaio non contemplato
8	0	454	-15	4	0	0	4								Tipo di acciaio non contemplato
1A	25	214	-261	7	0	0	0								Tipo di acciaio non contemplato
1B	25	214	435	7	0	0	0								Tipo di acciaio non contemplato
1C	25	214	-261	-1	0	0	0								Tipo di acciaio non contemplato
1D	25	214	435	-1	0	0	0								Tipo di acciaio non contemplato
1E	25	396	-261	7	0	0	0								Tipo di acciaio non contemplato
1F	25	396	435	7	0	0	0								Tipo di acciaio non contemplato
1G	25	396	-261	-1	0	0	0								Tipo di acciaio non contemplato
1H	25	396	435	-1	0	0	0								Tipo di acciaio non contemplato
1I	25	209	-554	6	0	0	0								Tipo di acciaio non contemplato
1J	25	209	729	6	0	0	0								Tipo di acciaio non contemplato
1K	25	209	-554	0	0	0	0								Tipo di acciaio non contemplato
1L	25	209	729	0	0	0	0								Tipo di acciaio non contemplato
1M	25	401	-554	6	0	0	0								Tipo di acciaio non contemplato
1N	25	401	729	6	0	0	0								Tipo di acciaio non contemplato
1O	25	401	-554	0	0	0	0								Tipo di acciaio non contemplato
1P	25	401	729	0	0	0	0								Tipo di acciaio non contemplato
2	25	480	-69	4	0	0	0								Tipo di acciaio non contemplato
7	25	455	-78	4	0	0	0								Tipo di acciaio non contemplato
8	25	454	-18	4	0	0	0								Tipo di acciaio non contemplato
1A	50	214	-263	7	0	-2	-65								Tipo di acciaio non contemplato
1B	50	214	433	7	0	-2	109								Tipo di acciaio non contemplato
1C	50	214	-263	-1	0	0	-65								Tipo di acciaio non contemplato
1D	50	214	433	-1	0	0	109								Tipo di acciaio non contemplato
1E	50	396	-263	7	0	-2	-65								Tipo di acciaio non contemplato
1F	50	396	433	7	0	-2	109								Tipo di acciaio non contemplato
1G	50	396	-263	-1	0	0	-65								Tipo di acciaio non contemplato
1H	50	396	433	-1	0	0	109								Tipo di acciaio non contemplato
1I	50	209	-557	6	0	-2	-139								Tipo di acciaio non contemplato
1J	50	209	727	6	0	-2	182								Tipo di acciaio non contemplato

1K	50	209	-557	0	0	0	-139	Tipo di acciaio non contemplato
1L	50	209	727	0	0	0	182	Tipo di acciaio non contemplato
1M	50	401	-557	6	0	-2	-139	Tipo di acciaio non contemplato
1N	50	401	727	6	0	-2	182	Tipo di acciaio non contemplato
1O	50	401	-557	0	0	0	-139	Tipo di acciaio non contemplato
1P	50	401	727	0	0	0	182	Tipo di acciaio non contemplato
2	50	480	-72	4	0	-1	-17	Tipo di acciaio non contemplato
7	50	455	-80	4	0	-1	-20	Tipo di acciaio non contemplato
8	50	454	-21	4	0	-1	-5	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	214	1	26								Tipo di acciaio non contemplato
1B	214	1	44								Tipo di acciaio non contemplato
1C	214	0	26								Tipo di acciaio non contemplato
1D	214	0	44								Tipo di acciaio non contemplato
1E	396	1	26								Tipo di acciaio non contemplato
1F	396	1	44								Tipo di acciaio non contemplato
1G	396	0	26								Tipo di acciaio non contemplato
1H	396	0	44								Tipo di acciaio non contemplato
1I	209	1	56								Tipo di acciaio non contemplato
1J	209	1	73								Tipo di acciaio non contemplato
1K	209	0	56								Tipo di acciaio non contemplato
1L	209	0	73								Tipo di acciaio non contemplato
1M	401	1	56								Tipo di acciaio non contemplato
1N	401	1	73								Tipo di acciaio non contemplato
1O	401	0	56								Tipo di acciaio non contemplato
1P	401	0	73								Tipo di acciaio non contemplato
2	480	1	7								Tipo di acciaio non contemplato
7	455	1	8								Tipo di acciaio non contemplato
8	454	1	2								Tipo di acciaio non contemplato

ASTA NUM. 146 NI 473 NF 465 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-159	-152	5	0	1	39								Tipo di acciaio non contemplato
1B	0	-159	305	5	0	1	-76								Tipo di acciaio non contemplato
1C	0	-159	-152	-3	0	0	39								Tipo di acciaio non contemplato
1D	0	-159	305	-3	0	0	-76								Tipo di acciaio non contemplato
1E	0	284	-152	5	0	1	39								Tipo di acciaio non contemplato
1F	0	284	305	5	0	1	-76								Tipo di acciaio non contemplato
1G	0	284	-152	-3	0	0	39								Tipo di acciaio non contemplato
1H	0	284	305	-3	0	0	-76								Tipo di acciaio non contemplato
1I	0	-20	-246	3	0	0	62								Tipo di acciaio non contemplato
1J	0	-20	398	3	0	0	-99								Tipo di acciaio non contemplato
1K	0	-20	-246	-2	0	0	62								Tipo di acciaio non contemplato
1L	0	-20	398	-2	0	0	-99								Tipo di acciaio non contemplato
1M	0	145	-246	3	0	0	62								Tipo di acciaio non contemplato
1N	0	145	398	3	0	0	-99								Tipo di acciaio non contemplato
1O	0	145	-246	-2	0	0	62								Tipo di acciaio non contemplato
1P	0	145	398	-2	0	0	-99								Tipo di acciaio non contemplato
2	0	243	301	1	0	0	-75								Tipo di acciaio non contemplato
7	0	194	205	1	0	0	-51								Tipo di acciaio non contemplato
8	0	195	234	1	0	0	-58								Tipo di acciaio non contemplato
1A	25	-159	-155	5	0	0	0								Tipo di acciaio non contemplato
1B	25	-159	302	5	0	0	0								Tipo di acciaio non contemplato
1C	25	-159	-155	-3	0	0	0								Tipo di acciaio non contemplato
1D	25	-159	302	-3	0	0	0								Tipo di acciaio non contemplato
1E	25	284	-155	5	0	0	0								Tipo di acciaio non contemplato
1F	25	284	302	5	0	0	0								Tipo di acciaio non contemplato
1G	25	284	-155	-3	0	0	0								Tipo di acciaio non contemplato
1H	25	284	302	-3	0	0	0								Tipo di acciaio non contemplato
1I	25	-20	-248	3	0	0	0								Tipo di acciaio non contemplato
1J	25	-20	396	3	0	0	0								Tipo di acciaio non contemplato
1K	25	-20	-248	-2	0	0	0								Tipo di acciaio non contemplato
1L	25	-20	396	-2	0	0	0								Tipo di acciaio non contemplato
1M	25	145	-248	3	0	0	0								Tipo di acciaio non contemplato
1N	25	145	396	3	0	0	0								Tipo di acciaio non contemplato
1O	25	145	-248	-2	0	0	0								Tipo di acciaio non contemplato
1P	25	145	396	-2	0	0	0								Tipo di acciaio non contemplato
2	25	243	298	1	0	0	0								Tipo di acciaio non contemplato
7	25	194	202	1	0	0	0								Tipo di acciaio non contemplato
8	25	195	231	1	0	0	0								Tipo di acciaio non contemplato
1A	50	-159	-157	5	0	-1	-39								Tipo di acciaio non contemplato
1B	50	-159	300	5	0	-1	75								Tipo di acciaio non contemplato
1C	50	-159	-157	-3	0	0	-39								Tipo di acciaio non contemplato
1D	50	-159	300	-3	0	0	75								Tipo di acciaio non contemplato
1E	50	284	-157	5	0	-1	-39								Tipo di acciaio non contemplato
1F	50	284	300	5	0	-1	75								Tipo di acciaio non contemplato
1G	50	284	-157	-3	0	0	-39								Tipo di acciaio non contemplato
1H	50	284	300	-3	0	0	75								Tipo di acciaio non contemplato

1I	50	-20	-251	3	0	0	-62	Tipo di acciaio non contemplato
1J	50	-20	394	3	0	0	99	Tipo di acciaio non contemplato
1K	50	-20	-251	-2	0	0	-62	Tipo di acciaio non contemplato
1L	50	-20	394	-2	0	0	99	Tipo di acciaio non contemplato
1M	50	145	-251	3	0	0	-62	Tipo di acciaio non contemplato
1N	50	145	394	3	0	0	99	Tipo di acciaio non contemplato
1O	50	145	-251	-2	0	0	-62	Tipo di acciaio non contemplato
1P	50	145	394	-2	0	0	99	Tipo di acciaio non contemplato
2	50	243	295	1	0	0	74	Tipo di acciaio non contemplato
7	50	194	200	1	0	0	50	Tipo di acciaio non contemplato
8	50	195	228	1	0	0	58	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-159	1	15								Tipo di acciaio non contemplato
1B	-159	1	30								Tipo di acciaio non contemplato
1C	-159	0	15								Tipo di acciaio non contemplato
1D	-159	0	30								Tipo di acciaio non contemplato
1E	284	1	15								Tipo di acciaio non contemplato
1F	284	1	30								Tipo di acciaio non contemplato
1G	284	0	15								Tipo di acciaio non contemplato
1H	284	0	30								Tipo di acciaio non contemplato
1I	-20	0	25								Tipo di acciaio non contemplato
1J	-20	0	40								Tipo di acciaio non contemplato
1K	-20	0	25								Tipo di acciaio non contemplato
1L	-20	0	40								Tipo di acciaio non contemplato
1M	145	0	25								Tipo di acciaio non contemplato
1N	145	0	40								Tipo di acciaio non contemplato
1O	145	0	25								Tipo di acciaio non contemplato
1P	145	0	40								Tipo di acciaio non contemplato
2	243	0	30								Tipo di acciaio non contemplato
7	194	0	20								Tipo di acciaio non contemplato
8	195	0	23								Tipo di acciaio non contemplato

ASTA NUM. 147 NI 513 NF 505 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-180	-232	93	0	47	59								Tipo di acciaio non contemplato
1B	0	-180	400	93	0	47	-100								Tipo di acciaio non contemplato
1C	0	-180	-232	-64	0	-32	59								Tipo di acciaio non contemplato
1D	0	-180	400	-64	0	-32	-100								Tipo di acciaio non contemplato
1E	0	264	-232	93	0	47	59								Tipo di acciaio non contemplato
1F	0	264	400	93	0	47	-100								Tipo di acciaio non contemplato
1G	0	264	-232	-64	0	-32	59								Tipo di acciaio non contemplato
1H	0	264	400	-64	0	-32	-100								Tipo di acciaio non contemplato
1I	0	-49	-159	60	0	30	40								Tipo di acciaio non contemplato
1J	0	-49	327	60	0	30	-81								Tipo di acciaio non contemplato
1K	0	-49	-159	-31	0	-16	40								Tipo di acciaio non contemplato
1L	0	-49	327	-31	0	-16	-81								Tipo di acciaio non contemplato
1M	0	133	-159	60	0	30	40								Tipo di acciaio non contemplato
1N	0	133	327	60	0	30	-81								Tipo di acciaio non contemplato
1O	0	133	-159	-31	0	-16	40								Tipo di acciaio non contemplato
1P	0	133	327	-31	0	-16	-81								Tipo di acciaio non contemplato
2	0	150	278	44	0	22	-69								Tipo di acciaio non contemplato
7	0	124	207	32	0	16	-51								Tipo di acciaio non contemplato
8	0	120	216	39	0	20	-53								Tipo di acciaio non contemplato
1A	25	-180	-235	93	0	23	0								Tipo di acciaio non contemplato
1B	25	-180	398	93	0	23	0								Tipo di acciaio non contemplato
1C	25	-180	-235	-64	0	-16	0								Tipo di acciaio non contemplato
1D	25	-180	398	-64	0	-16	0								Tipo di acciaio non contemplato
1E	25	264	-235	93	0	23	0								Tipo di acciaio non contemplato
1F	25	264	398	93	0	23	0								Tipo di acciaio non contemplato
1G	25	264	-235	-64	0	-16	0								Tipo di acciaio non contemplato
1H	25	264	398	-64	0	-16	0								Tipo di acciaio non contemplato
1I	25	-49	-161	60	0	15	0								Tipo di acciaio non contemplato
1J	25	-49	325	60	0	15	0								Tipo di acciaio non contemplato
1K	25	-49	-161	-31	0	-8	0								Tipo di acciaio non contemplato
1L	25	-49	325	-31	0	-8	0								Tipo di acciaio non contemplato
1M	25	133	-161	60	0	15	0								Tipo di acciaio non contemplato
1N	25	133	325	60	0	15	0								Tipo di acciaio non contemplato
1O	25	133	-161	-31	0	-8	0								Tipo di acciaio non contemplato
1P	25	133	325	-31	0	-8	0								Tipo di acciaio non contemplato
2	25	150	275	44	0	11	0								Tipo di acciaio non contemplato
7	25	124	204	32	0	8	0								Tipo di acciaio non contemplato
8	25	120	213	39	0	10	0								Tipo di acciaio non contemplato
1A	50	-180	-237	93	0	0	-59								Tipo di acciaio non contemplato
1B	50	-180	396	93	0	0	99								Tipo di acciaio non contemplato
1C	50	-180	-237	-64	0	0	-59								Tipo di acciaio non contemplato
1D	50	-180	396	-64	0	0	99								Tipo di acciaio non contemplato
1E	50	264	-237	93	0	0	-59								Tipo di acciaio non contemplato
1F	50	264	396	93	0	0	99								Tipo di acciaio non contemplato

1G	50	264	-237	-64	0	0	-59						Tipo di acciaio non contemplato
1H	50	264	396	-64	0	0	99						Tipo di acciaio non contemplato
1I	50	-49	-164	60	0	0	-41						Tipo di acciaio non contemplato
1J	50	-49	322	60	0	0	81						Tipo di acciaio non contemplato
1K	50	-49	-164	-31	0	0	-41						Tipo di acciaio non contemplato
1L	50	-49	322	-31	0	0	81						Tipo di acciaio non contemplato
1M	50	133	-164	60	0	0	-41						Tipo di acciaio non contemplato
1N	50	133	322	60	0	0	81						Tipo di acciaio non contemplato
1O	50	133	-164	-31	0	0	-41						Tipo di acciaio non contemplato
1P	50	133	322	-31	0	0	81						Tipo di acciaio non contemplato
2	50	150	272	44	0	0	68						Tipo di acciaio non contemplato
7	50	124	201	32	0	0	51						Tipo di acciaio non contemplato
8	50	120	210	39	0	0	53						Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-180	28	23								Tipo di acciaio non contemplato
1B	-180	28	40								Tipo di acciaio non contemplato
1C	-180	19	23								Tipo di acciaio non contemplato
1D	-180	19	40								Tipo di acciaio non contemplato
1E	264	28	23								Tipo di acciaio non contemplato
1F	264	28	40								Tipo di acciaio non contemplato
1G	264	19	23								Tipo di acciaio non contemplato
1H	264	19	40								Tipo di acciaio non contemplato
1I	-49	18	16								Tipo di acciaio non contemplato
1J	-49	18	33								Tipo di acciaio non contemplato
1K	-49	10	16								Tipo di acciaio non contemplato
1L	-49	10	33								Tipo di acciaio non contemplato
1M	133	18	16								Tipo di acciaio non contemplato
1N	133	18	33								Tipo di acciaio non contemplato
1O	133	10	16								Tipo di acciaio non contemplato
1P	133	10	33								Tipo di acciaio non contemplato
2	150	13	28								Tipo di acciaio non contemplato
7	124	10	20								Tipo di acciaio non contemplato
8	120	12	21								Tipo di acciaio non contemplato

ASTA NUM. 148 NI 533 NF 525 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-223	-158	46	0	23	40								Tipo di acciaio non contemplato
1B	0	-223	179	46	0	23	-44								Tipo di acciaio non contemplato
1C	0	-223	-158	-30	0	-15	40								Tipo di acciaio non contemplato
1D	0	-223	179	-30	0	-15	-44								Tipo di acciaio non contemplato
1E	0	268	-158	46	0	23	40								Tipo di acciaio non contemplato
1F	0	268	179	46	0	23	-44								Tipo di acciaio non contemplato
1G	0	268	-158	-30	0	-15	40								Tipo di acciaio non contemplato
1H	0	268	179	-30	0	-15	-44								Tipo di acciaio non contemplato
1I	0	-84	-89	30	0	16	23								Tipo di acciaio non contemplato
1J	0	-84	110	30	0	16	-27								Tipo di acciaio non contemplato
1K	0	-84	-89	-15	0	-8	23								Tipo di acciaio non contemplato
1L	0	-84	110	-15	0	-8	-27								Tipo di acciaio non contemplato
1M	0	129	-89	30	0	16	23								Tipo di acciaio non contemplato
1N	0	129	110	30	0	16	-27								Tipo di acciaio non contemplato
1O	0	129	-89	-15	0	-8	23								Tipo di acciaio non contemplato
1P	0	129	110	-15	0	-8	-27								Tipo di acciaio non contemplato
2	0	48	-42	25	0	13	11								Tipo di acciaio non contemplato
7	0	39	-36	18	0	9	9								Tipo di acciaio non contemplato
8	0	44	-37	22	0	11	10								Tipo di acciaio non contemplato
1A	25	-223	-161	46	0	12	0								Tipo di acciaio non contemplato
1B	25	-223	176	46	0	12	0								Tipo di acciaio non contemplato
1C	25	-223	-161	-30	0	-8	0								Tipo di acciaio non contemplato
1D	25	-223	176	-30	0	-8	0								Tipo di acciaio non contemplato
1E	25	268	-161	46	0	12	0								Tipo di acciaio non contemplato
1F	25	268	176	46	0	12	0								Tipo di acciaio non contemplato
1G	25	268	-161	-30	0	-8	0								Tipo di acciaio non contemplato
1H	25	268	176	-30	0	-8	0								Tipo di acciaio non contemplato
1I	25	-84	-92	30	0	8	0								Tipo di acciaio non contemplato
1J	25	-84	107	30	0	8	0								Tipo di acciaio non contemplato
1K	25	-84	-92	-15	0	-4	0								Tipo di acciaio non contemplato
1L	25	-84	107	-15	0	-4	0								Tipo di acciaio non contemplato
1M	25	129	-92	30	0	8	0								Tipo di acciaio non contemplato
1N	25	129	107	30	0	8	0								Tipo di acciaio non contemplato
1O	25	129	-92	-15	0	-4	0								Tipo di acciaio non contemplato
1P	25	129	107	-15	0	-4	0								Tipo di acciaio non contemplato
2	25	48	-45	25	0	7	0								Tipo di acciaio non contemplato
7	25	39	-39	18	0	5	0								Tipo di acciaio non contemplato
8	25	44	-40	22	0	6	0								Tipo di acciaio non contemplato
1A	50	-223	-163	46	0	0	-40								Tipo di acciaio non contemplato
1B	50	-223	174	46	0	0	44								Tipo di acciaio non contemplato
1C	50	-223	-163	-30	0	0	-40								Tipo di acciaio non contemplato
1D	50	-223	174	-30	0	0	44								Tipo di acciaio non contemplato

1E	50	268	-163	46	0	0	-40	Tipo di acciaio non contemplato
1F	50	268	174	46	0	0	44	Tipo di acciaio non contemplato
1G	50	268	-163	-30	0	0	-40	Tipo di acciaio non contemplato
1H	50	268	174	-30	0	0	44	Tipo di acciaio non contemplato
1I	50	-84	-94	30	0	0	-23	Tipo di acciaio non contemplato
1J	50	-84	105	30	0	0	27	Tipo di acciaio non contemplato
1K	50	-84	-94	-15	0	0	-23	Tipo di acciaio non contemplato
1L	50	-84	105	-15	0	0	27	Tipo di acciaio non contemplato
1M	50	129	-94	30	0	0	-23	Tipo di acciaio non contemplato
1N	50	129	105	30	0	0	27	Tipo di acciaio non contemplato
1O	50	129	-94	-15	0	0	-23	Tipo di acciaio non contemplato
1P	50	129	105	-15	0	0	27	Tipo di acciaio non contemplato
2	50	48	-48	25	0	0	-12	Tipo di acciaio non contemplato
7	50	39	-42	18	0	0	-10	Tipo di acciaio non contemplato
8	50	44	-43	22	0	0	-10	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-223	14	16								Tipo di acciaio non contemplato
1B	-223	14	18								Tipo di acciaio non contemplato
1C	-223	9	16								Tipo di acciaio non contemplato
1D	-223	9	18								Tipo di acciaio non contemplato
1E	268	14	16								Tipo di acciaio non contemplato
1F	268	14	18								Tipo di acciaio non contemplato
1G	268	9	16								Tipo di acciaio non contemplato
1H	268	9	18								Tipo di acciaio non contemplato
1I	-84	10	9								Tipo di acciaio non contemplato
1J	-84	10	11								Tipo di acciaio non contemplato
1K	-84	5	9								Tipo di acciaio non contemplato
1L	-84	5	11								Tipo di acciaio non contemplato
1M	129	10	9								Tipo di acciaio non contemplato
1N	129	10	11								Tipo di acciaio non contemplato
1O	129	5	9								Tipo di acciaio non contemplato
1P	129	5	11								Tipo di acciaio non contemplato
2	48	8	5								Tipo di acciaio non contemplato
7	39	6	4								Tipo di acciaio non contemplato
8	44	7	4								Tipo di acciaio non contemplato

ASTA NUM. 149 NI 432 NF 424 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	42	-292	69	0	34	73								Tipo di acciaio non contemplato
1B	0	42	483	69	0	34	-120								Tipo di acciaio non contemplato
1C	0	42	-292	-49	0	-24	73								Tipo di acciaio non contemplato
1D	0	42	483	-49	0	-24	-120								Tipo di acciaio non contemplato
1E	0	533	-292	69	0	34	73								Tipo di acciaio non contemplato
1F	0	533	483	69	0	34	-120								Tipo di acciaio non contemplato
1G	0	533	-292	-49	0	-24	73								Tipo di acciaio non contemplato
1H	0	533	483	-49	0	-24	-120								Tipo di acciaio non contemplato
1I	0	155	-569	49	0	24	143								Tipo di acciaio non contemplato
1J	0	155	760	49	0	24	-190								Tipo di acciaio non contemplato
1K	0	155	-569	-28	0	-14	143								Tipo di acciaio non contemplato
1L	0	155	760	-28	0	-14	-190								Tipo di acciaio non contemplato
1M	0	420	-569	49	0	24	143								Tipo di acciaio non contemplato
1N	0	420	760	49	0	24	-190								Tipo di acciaio non contemplato
1O	0	420	-569	-28	0	-14	143								Tipo di acciaio non contemplato
1P	0	420	760	-28	0	-14	-190								Tipo di acciaio non contemplato
2	0	460	-60	-1	0	0	15								Tipo di acciaio non contemplato
7	0	434	-68	2	0	0	17								Tipo di acciaio non contemplato
8	0	434	-9	3	0	1	3								Tipo di acciaio non contemplato
1A	25	42	-294	69	0	17	0								Tipo di acciaio non contemplato
1B	25	42	480	69	0	17	0								Tipo di acciaio non contemplato
1C	25	42	-294	-49	0	-12	0								Tipo di acciaio non contemplato
1D	25	42	480	-49	0	-12	0								Tipo di acciaio non contemplato
1E	25	533	-294	69	0	17	0								Tipo di acciaio non contemplato
1F	25	533	480	69	0	17	0								Tipo di acciaio non contemplato
1G	25	533	-294	-49	0	-12	0								Tipo di acciaio non contemplato
1H	25	533	480	-49	0	-12	0								Tipo di acciaio non contemplato
1I	25	155	-571	49	0	12	0								Tipo di acciaio non contemplato
1J	25	155	758	49	0	12	0								Tipo di acciaio non contemplato
1K	25	155	-571	-28	0	-7	0								Tipo di acciaio non contemplato
1L	25	155	758	-28	0	-7	0								Tipo di acciaio non contemplato
1M	25	420	-571	49	0	12	0								Tipo di acciaio non contemplato
1N	25	420	758	49	0	12	0								Tipo di acciaio non contemplato
1O	25	420	-571	-28	0	-7	0								Tipo di acciaio non contemplato
1P	25	420	758	-28	0	-7	0								Tipo di acciaio non contemplato
2	25	460	-62	-1	0	0	0								Tipo di acciaio non contemplato
7	25	434	-71	2	0	0	0								Tipo di acciaio non contemplato
8	25	434	-12	3	0	0	0								Tipo di acciaio non contemplato
1A	50	42	-296	69	0	0	-73								Tipo di acciaio non contemplato
1B	50	42	478	69	0	0	120								Tipo di acciaio non contemplato

1C	50	42	-296	-49	0	0	-73		Tipo di acciaio non contemplato
1D	50	42	478	-49	0	0	120		Tipo di acciaio non contemplato
1E	50	533	-296	69	0	0	-73		Tipo di acciaio non contemplato
1F	50	533	478	69	0	0	120		Tipo di acciaio non contemplato
1G	50	533	-296	-49	0	0	-73		Tipo di acciaio non contemplato
1H	50	533	478	-49	0	0	120		Tipo di acciaio non contemplato
1I	50	155	-574	49	0	0	-143		Tipo di acciaio non contemplato
1J	50	155	756	49	0	0	189		Tipo di acciaio non contemplato
1K	50	155	-574	-28	0	0	-143		Tipo di acciaio non contemplato
1L	50	155	756	-28	0	0	189		Tipo di acciaio non contemplato
1M	50	420	-574	49	0	0	-143		Tipo di acciaio non contemplato
1N	50	420	756	49	0	0	189		Tipo di acciaio non contemplato
1O	50	420	-574	-28	0	0	-143		Tipo di acciaio non contemplato
1P	50	420	756	-28	0	0	189		Tipo di acciaio non contemplato
2	50	460	-65	-1	0	0	-16		Tipo di acciaio non contemplato
7	50	434	-74	2	0	0	-18		Tipo di acciaio non contemplato
8	50	434	-14	3	0	0	-3		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	42	20	29								Tipo di acciaio non contemplato
1B	42	20	48								Tipo di acciaio non contemplato
1C	42	14	29								Tipo di acciaio non contemplato
1D	42	14	48								Tipo di acciaio non contemplato
1E	533	20	29								Tipo di acciaio non contemplato
1F	533	20	48								Tipo di acciaio non contemplato
1G	533	14	29								Tipo di acciaio non contemplato
1H	533	14	48								Tipo di acciaio non contemplato
1I	155	14	57								Tipo di acciaio non contemplato
1J	155	14	76								Tipo di acciaio non contemplato
1K	155	8	57								Tipo di acciaio non contemplato
1L	155	8	76								Tipo di acciaio non contemplato
1M	420	14	57								Tipo di acciaio non contemplato
1N	420	14	76								Tipo di acciaio non contemplato
1O	420	8	57								Tipo di acciaio non contemplato
1P	420	8	76								Tipo di acciaio non contemplato
2	460	1	6								Tipo di acciaio non contemplato
7	434	0	7								Tipo di acciaio non contemplato
8	434	1	1								Tipo di acciaio non contemplato

ASTA NUM. 150 NI 472 NF 464 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-137	-148	32	0	15	37								Tipo di acciaio non contemplato
1B	0	-137	302	32	0	15	-75								Tipo di acciaio non contemplato
1C	0	-137	-148	-34	0	-17	37								Tipo di acciaio non contemplato
1D	0	-137	302	-34	0	-17	-75								Tipo di acciaio non contemplato
1E	0	266	-148	32	0	15	37								Tipo di acciaio non contemplato
1F	0	266	302	32	0	15	-75								Tipo di acciaio non contemplato
1G	0	266	-148	-34	0	-17	37								Tipo di acciaio non contemplato
1H	0	266	302	-34	0	-17	-75								Tipo di acciaio non contemplato
1I	0	-7	-250	20	0	10	63								Tipo di acciaio non contemplato
1J	0	-7	404	20	0	10	-101								Tipo di acciaio non contemplato
1K	0	-7	-250	-22	0	-11	63								Tipo di acciaio non contemplato
1L	0	-7	404	-22	0	-11	-101								Tipo di acciaio non contemplato
1M	0	136	-250	20	0	10	63								Tipo di acciaio non contemplato
1N	0	136	404	20	0	10	-101								Tipo di acciaio non contemplato
1O	0	136	-250	-22	0	-11	63								Tipo di acciaio non contemplato
1P	0	136	404	-22	0	-11	-101								Tipo di acciaio non contemplato
2	0	250	302	-12	0	-6	-75								Tipo di acciaio non contemplato
7	0	199	206	-10	0	-5	-51								Tipo di acciaio non contemplato
8	0	200	235	-9	0	-5	-58								Tipo di acciaio non contemplato
1A	25	-137	-150	32	0	7	0								Tipo di acciaio non contemplato
1B	25	-137	300	32	0	7	0								Tipo di acciaio non contemplato
1C	25	-137	-150	-34	0	-8	0								Tipo di acciaio non contemplato
1D	25	-137	300	-34	0	-8	0								Tipo di acciaio non contemplato
1E	25	266	-150	32	0	7	0								Tipo di acciaio non contemplato
1F	25	266	300	32	0	7	0								Tipo di acciaio non contemplato
1G	25	266	-150	-34	0	-8	0								Tipo di acciaio non contemplato
1H	25	266	300	-34	0	-8	0								Tipo di acciaio non contemplato
1I	25	-7	-252	20	0	5	0								Tipo di acciaio non contemplato
1J	25	-7	402	20	0	5	0								Tipo di acciaio non contemplato
1K	25	-7	-252	-22	0	-5	0								Tipo di acciaio non contemplato
1L	25	-7	402	-22	0	-5	0								Tipo di acciaio non contemplato
1M	25	136	-252	20	0	5	0								Tipo di acciaio non contemplato
1N	25	136	402	20	0	5	0								Tipo di acciaio non contemplato
1O	25	136	-252	-22	0	-5	0								Tipo di acciaio non contemplato
1P	25	136	402	-22	0	-5	0								Tipo di acciaio non contemplato
2	25	250	299	-12	0	-3	0								Tipo di acciaio non contemplato
7	25	199	204	-10	0	-3	0								Tipo di acciaio non contemplato
8	25	200	232	-9	0	-2	0								Tipo di acciaio non contemplato

1A	50	-137	-152	32	0	0	-38	Tipo di acciaio non contemplato
1B	50	-137	298	32	0	0	75	Tipo di acciaio non contemplato
1C	50	-137	-152	-34	0	0	-38	Tipo di acciaio non contemplato
1D	50	-137	298	-34	0	0	75	Tipo di acciaio non contemplato
1E	50	266	-152	32	0	0	-38	Tipo di acciaio non contemplato
1F	50	266	298	32	0	0	75	Tipo di acciaio non contemplato
1G	50	266	-152	-34	0	0	-38	Tipo di acciaio non contemplato
1H	50	266	298	-34	0	0	75	Tipo di acciaio non contemplato
1I	50	-7	-254	20	0	0	-63	Tipo di acciaio non contemplato
1J	50	-7	400	20	0	0	100	Tipo di acciaio non contemplato
1K	50	-7	-254	-22	0	0	-63	Tipo di acciaio non contemplato
1L	50	-7	400	-22	0	0	100	Tipo di acciaio non contemplato
1M	50	136	-254	20	0	0	-63	Tipo di acciaio non contemplato
1N	50	136	400	20	0	0	100	Tipo di acciaio non contemplato
1O	50	136	-254	-22	0	0	-63	Tipo di acciaio non contemplato
1P	50	136	400	-22	0	0	100	Tipo di acciaio non contemplato
2	50	250	296	-12	0	0	75	Tipo di acciaio non contemplato
7	50	199	201	-10	0	0	51	Tipo di acciaio non contemplato
8	50	200	230	-9	0	0	58	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-137	9	15								Tipo di acciaio non contemplato
1B	-137	9	30								Tipo di acciaio non contemplato
1C	-137	10	15								Tipo di acciaio non contemplato
1D	-137	10	30								Tipo di acciaio non contemplato
1E	266	9	15								Tipo di acciaio non contemplato
1F	266	9	30								Tipo di acciaio non contemplato
1G	266	10	15								Tipo di acciaio non contemplato
1H	266	10	30								Tipo di acciaio non contemplato
1I	-7	6	25								Tipo di acciaio non contemplato
1J	-7	6	40								Tipo di acciaio non contemplato
1K	-7	7	25								Tipo di acciaio non contemplato
1L	-7	7	40								Tipo di acciaio non contemplato
1M	136	6	25								Tipo di acciaio non contemplato
1N	136	6	40								Tipo di acciaio non contemplato
1O	136	7	25								Tipo di acciaio non contemplato
1P	136	7	40								Tipo di acciaio non contemplato
2	250	4	30								Tipo di acciaio non contemplato
7	199	3	20								Tipo di acciaio non contemplato
8	200	3	23								Tipo di acciaio non contemplato

ASTA NUM. 151 NI 512 NF 504 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-212	-173	22	0	12	44								Tipo di acciaio non contemplato
1B	0	-212	337	22	0	12	-84								Tipo di acciaio non contemplato
1C	0	-212	-173	-15	0	-8	44								Tipo di acciaio non contemplato
1D	0	-212	337	-15	0	-8	-84								Tipo di acciaio non contemplato
1E	0	315	-173	22	0	12	44								Tipo di acciaio non contemplato
1F	0	315	337	22	0	12	-84								Tipo di acciaio non contemplato
1G	0	315	-173	-15	0	-8	44								Tipo di acciaio non contemplato
1H	0	315	337	-15	0	-8	-84								Tipo di acciaio non contemplato
1I	0	-54	-136	11	0	6	34								Tipo di acciaio non contemplato
1J	0	-54	299	11	0	6	-74								Tipo di acciaio non contemplato
1K	0	-54	-136	-5	0	-3	34								Tipo di acciaio non contemplato
1L	0	-54	299	-5	0	-3	-74								Tipo di acciaio non contemplato
1M	0	158	-136	11	0	6	34								Tipo di acciaio non contemplato
1N	0	158	299	11	0	6	-74								Tipo di acciaio non contemplato
1O	0	158	-136	-5	0	-3	34								Tipo di acciaio non contemplato
1P	0	158	299	-5	0	-3	-74								Tipo di acciaio non contemplato
2	0	180	272	11	0	6	-67								Tipo di acciaio non contemplato
7	0	148	203	8	0	4	-50								Tipo di acciaio non contemplato
8	0	146	210	9	0	5	-52								Tipo di acciaio non contemplato
1A	25	-212	-176	22	0	6	0								Tipo di acciaio non contemplato
1B	25	-212	334	22	0	6	0								Tipo di acciaio non contemplato
1C	25	-212	-176	-15	0	-4	0								Tipo di acciaio non contemplato
1D	25	-212	334	-15	0	-4	0								Tipo di acciaio non contemplato
1E	25	315	-176	22	0	6	0								Tipo di acciaio non contemplato
1F	25	315	334	22	0	6	0								Tipo di acciaio non contemplato
1G	25	315	-176	-15	0	-4	0								Tipo di acciaio non contemplato
1H	25	315	334	-15	0	-4	0								Tipo di acciaio non contemplato
1I	25	-54	-138	11	0	3	0								Tipo di acciaio non contemplato
1J	25	-54	297	11	0	3	0								Tipo di acciaio non contemplato
1K	25	-54	-138	-5	0	-2	0								Tipo di acciaio non contemplato
1L	25	-54	297	-5	0	-2	0								Tipo di acciaio non contemplato
1M	25	158	-138	11	0	3	0								Tipo di acciaio non contemplato
1N	25	158	297	11	0	3	0								Tipo di acciaio non contemplato
1O	25	158	-138	-5	0	-2	0								Tipo di acciaio non contemplato
1P	25	158	297	-5	0	-2	0								Tipo di acciaio non contemplato
2	25	180	269	11	0	3	0								Tipo di acciaio non contemplato
7	25	148	200	8	0	2	0								Tipo di acciaio non contemplato

8	25	146	207	9	0	3	0	Tipo di acciaio non contemplato
1A	50	-212	-178	22	0	0	-44	Tipo di acciaio non contemplato
1B	50	-212	332	22	0	0	83	Tipo di acciaio non contemplato
1C	50	-212	-178	-15	0	0	-44	Tipo di acciaio non contemplato
1D	50	-212	332	-15	0	0	83	Tipo di acciaio non contemplato
1E	50	315	-178	22	0	0	-44	Tipo di acciaio non contemplato
1F	50	315	332	22	0	0	83	Tipo di acciaio non contemplato
1G	50	315	-178	-15	0	0	-44	Tipo di acciaio non contemplato
1H	50	315	332	-15	0	0	83	Tipo di acciaio non contemplato
1I	50	-54	-141	11	0	0	-35	Tipo di acciaio non contemplato
1J	50	-54	295	11	0	0	74	Tipo di acciaio non contemplato
1K	50	-54	-141	-5	0	0	-35	Tipo di acciaio non contemplato
1L	50	-54	295	-5	0	0	74	Tipo di acciaio non contemplato
1M	50	158	-141	11	0	0	-35	Tipo di acciaio non contemplato
1N	50	158	295	11	0	0	74	Tipo di acciaio non contemplato
1O	50	158	-141	-5	0	0	-35	Tipo di acciaio non contemplato
1P	50	158	295	-5	0	0	74	Tipo di acciaio non contemplato
2	50	180	266	11	0	0	67	Tipo di acciaio non contemplato
7	50	148	197	8	0	0	50	Tipo di acciaio non contemplato
8	50	146	204	9	0	0	52	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-212	7	18								Tipo di acciaio non contemplato
1B	-212	7	34								Tipo di acciaio non contemplato
1C	-212	5	18								Tipo di acciaio non contemplato
1D	-212	5	34								Tipo di acciaio non contemplato
1E	315	7	18								Tipo di acciaio non contemplato
1F	315	7	34								Tipo di acciaio non contemplato
1G	315	5	18								Tipo di acciaio non contemplato
1H	315	5	34								Tipo di acciaio non contemplato
1I	-54	4	14								Tipo di acciaio non contemplato
1J	-54	4	30								Tipo di acciaio non contemplato
1K	-54	2	14								Tipo di acciaio non contemplato
1L	-54	2	30								Tipo di acciaio non contemplato
1M	158	4	14								Tipo di acciaio non contemplato
1N	158	4	30								Tipo di acciaio non contemplato
1O	158	2	14								Tipo di acciaio non contemplato
1P	158	2	30								Tipo di acciaio non contemplato
2	180	4	27								Tipo di acciaio non contemplato
7	148	3	20								Tipo di acciaio non contemplato
8	146	3	21								Tipo di acciaio non contemplato

ASTA NUM. 152 NI 532 NF 524 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-279	-168	46	0	24	42								Tipo di acciaio non contemplato
1B	0	-279	191	46	0	24	-48								Tipo di acciaio non contemplato
1C	0	-279	-168	-32	0	-16	42								Tipo di acciaio non contemplato
1D	0	-279	191	-32	0	-16	-48								Tipo di acciaio non contemplato
1E	0	326	-168	46	0	24	42								Tipo di acciaio non contemplato
1F	0	326	191	46	0	24	-48								Tipo di acciaio non contemplato
1G	0	326	-168	-32	0	-16	42								Tipo di acciaio non contemplato
1H	0	326	191	-32	0	-16	-48								Tipo di acciaio non contemplato
1I	0	-104	-95	26	0	13	24								Tipo di acciaio non contemplato
1J	0	-104	119	26	0	13	-29								Tipo di acciaio non contemplato
1K	0	-104	-95	-11	0	-6	24								Tipo di acciaio non contemplato
1L	0	-104	119	-11	0	-6	-29								Tipo di acciaio non contemplato
1M	0	151	-95	26	0	13	24								Tipo di acciaio non contemplato
1N	0	151	119	26	0	13	-29								Tipo di acciaio non contemplato
1O	0	151	-95	-11	0	-6	24								Tipo di acciaio non contemplato
1P	0	151	119	-11	0	-6	-29								Tipo di acciaio non contemplato
2	0	139	-75	25	0	13	19								Tipo di acciaio non contemplato
7	0	103	-59	19	0	10	15								Tipo di acciaio non contemplato
8	0	136	-71	22	0	11	18								Tipo di acciaio non contemplato
1A	25	-279	-170	46	0	12	0								Tipo di acciaio non contemplato
1B	25	-279	189	46	0	12	0								Tipo di acciaio non contemplato
1C	25	-279	-170	-32	0	-8	0								Tipo di acciaio non contemplato
1D	25	-279	189	-32	0	-8	0								Tipo di acciaio non contemplato
1E	25	326	-170	46	0	12	0								Tipo di acciaio non contemplato
1F	25	326	189	46	0	12	0								Tipo di acciaio non contemplato
1G	25	326	-170	-32	0	-8	0								Tipo di acciaio non contemplato
1H	25	326	189	-32	0	-8	0								Tipo di acciaio non contemplato
1I	25	-104	-97	26	0	7	0								Tipo di acciaio non contemplato
1J	25	-104	116	26	0	7	0								Tipo di acciaio non contemplato
1K	25	-104	-97	-11	0	-3	0								Tipo di acciaio non contemplato
1L	25	-104	116	-11	0	-3	0								Tipo di acciaio non contemplato
1M	25	151	-97	26	0	7	0								Tipo di acciaio non contemplato
1N	25	151	116	26	0	7	0								Tipo di acciaio non contemplato
1O	25	151	-97	-11	0	-3	0								Tipo di acciaio non contemplato
1P	25	151	116	-11	0	-3	0								Tipo di acciaio non contemplato

2	25	139	-78	25	0	7	0	Tipo di acciaio non contemplato
7	25	103	-62	19	0	5	0	Tipo di acciaio non contemplato
8	25	136	-74	22	0	6	0	Tipo di acciaio non contemplato
1A	50	-279	-172	46	0	0	-43	Tipo di acciaio non contemplato
1B	50	-279	187	46	0	0	47	Tipo di acciaio non contemplato
1C	50	-279	-172	-32	0	0	-43	Tipo di acciaio non contemplato
1D	50	-279	187	-32	0	0	47	Tipo di acciaio non contemplato
1E	50	326	-172	46	0	0	-43	Tipo di acciaio non contemplato
1F	50	326	187	46	0	0	47	Tipo di acciaio non contemplato
1G	50	326	-172	-32	0	0	-43	Tipo di acciaio non contemplato
1H	50	326	187	-32	0	0	47	Tipo di acciaio non contemplato
1I	50	-104	-99	26	0	0	-24	Tipo di acciaio non contemplato
1J	50	-104	114	26	0	0	29	Tipo di acciaio non contemplato
1K	50	-104	-99	-11	0	0	-24	Tipo di acciaio non contemplato
1L	50	-104	114	-11	0	0	29	Tipo di acciaio non contemplato
1M	50	151	-99	26	0	0	-24	Tipo di acciaio non contemplato
1N	50	151	114	26	0	0	29	Tipo di acciaio non contemplato
1O	50	151	-99	-11	0	0	-24	Tipo di acciaio non contemplato
1P	50	151	114	-11	0	0	29	Tipo di acciaio non contemplato
2	50	139	-81	25	0	0	-20	Tipo di acciaio non contemplato
7	50	103	-64	19	0	0	-16	Tipo di acciaio non contemplato
8	50	136	-77	22	0	0	-19	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-279	15	17								Tipo di acciaio non contemplato
1B	-279	15	19								Tipo di acciaio non contemplato
1C	-279	10	17								Tipo di acciaio non contemplato
1D	-279	10	19								Tipo di acciaio non contemplato
1E	326	15	17								Tipo di acciaio non contemplato
1F	326	15	19								Tipo di acciaio non contemplato
1G	326	10	17								Tipo di acciaio non contemplato
1H	326	10	19								Tipo di acciaio non contemplato
1I	-104	8	10								Tipo di acciaio non contemplato
1J	-104	8	12								Tipo di acciaio non contemplato
1K	-104	4	10								Tipo di acciaio non contemplato
1L	-104	4	12								Tipo di acciaio non contemplato
1M	151	8	10								Tipo di acciaio non contemplato
1N	151	8	12								Tipo di acciaio non contemplato
1O	151	4	10								Tipo di acciaio non contemplato
1P	151	4	12								Tipo di acciaio non contemplato
2	139	8	8								Tipo di acciaio non contemplato
7	103	6	6								Tipo di acciaio non contemplato
8	136	7	8								Tipo di acciaio non contemplato

ASTA NUM. 153 NI 431 NF 423 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-122	-263	2	0	0	66								Tipo di acciaio non contemplato
1B	0	-122	444	2	0	0	-111								Tipo di acciaio non contemplato
1C	0	-122	-263	-3	0	0	66								Tipo di acciaio non contemplato
1D	0	-122	444	-3	0	0	-111								Tipo di acciaio non contemplato
1E	0	660	-263	2	0	0	66								Tipo di acciaio non contemplato
1F	0	660	444	2	0	0	-111								Tipo di acciaio non contemplato
1G	0	660	-263	-3	0	0	66								Tipo di acciaio non contemplato
1H	0	660	444	-3	0	0	-111								Tipo di acciaio non contemplato
1I	0	99	-567	1	0	0	142								Tipo di acciaio non contemplato
1J	0	99	747	1	0	0	-187								Tipo di acciaio non contemplato
1K	0	99	-567	-2	0	0	142								Tipo di acciaio non contemplato
1L	0	99	747	-2	0	0	-187								Tipo di acciaio non contemplato
1M	0	439	-567	1	0	0	142								Tipo di acciaio non contemplato
1N	0	439	747	1	0	0	-187								Tipo di acciaio non contemplato
1O	0	439	-567	-2	0	0	142								Tipo di acciaio non contemplato
1P	0	439	747	-2	0	0	-187								Tipo di acciaio non contemplato
2	0	440	-66	0	0	0	17								Tipo di acciaio non contemplato
7	0	413	-75	0	0	0	19								Tipo di acciaio non contemplato
8	0	412	-15	-0	0	0	4								Tipo di acciaio non contemplato
1A	25	-122	-266	2	0	0	0								Tipo di acciaio non contemplato
1B	25	-122	441	2	0	0	0								Tipo di acciaio non contemplato
1C	25	-122	-266	-3	0	0	0								Tipo di acciaio non contemplato
1D	25	-122	441	-3	0	0	0								Tipo di acciaio non contemplato
1E	25	660	-266	2	0	0	0								Tipo di acciaio non contemplato
1F	25	660	441	2	0	0	0								Tipo di acciaio non contemplato
1G	25	660	-266	-3	0	0	0								Tipo di acciaio non contemplato
1H	25	660	441	-3	0	0	0								Tipo di acciaio non contemplato
1I	25	99	-569	1	0	0	0								Tipo di acciaio non contemplato
1J	25	99	745	1	0	0	0								Tipo di acciaio non contemplato
1K	25	99	-569	-2	0	0	0								Tipo di acciaio non contemplato
1L	25	99	745	-2	0	0	0								Tipo di acciaio non contemplato
1M	25	439	-569	1	0	0	0								Tipo di acciaio non contemplato
1N	25	439	745	1	0	0	0								Tipo di acciaio non contemplato

1O	25	439	-569	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	439	745	-2	0	0	0	Tipo di acciaio non contemplato
2	25	440	-69	0	0	0	0	Tipo di acciaio non contemplato
7	25	413	-78	0	0	0	0	Tipo di acciaio non contemplato
8	25	412	-18	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	-122	-268	2	0	0	-66	Tipo di acciaio non contemplato
1B	50	-122	439	2	0	0	110	Tipo di acciaio non contemplato
1C	50	-122	-268	-3	0	0	-66	Tipo di acciaio non contemplato
1D	50	-122	439	-3	0	0	110	Tipo di acciaio non contemplato
1E	50	660	-268	2	0	0	-66	Tipo di acciaio non contemplato
1F	50	660	439	2	0	0	110	Tipo di acciaio non contemplato
1G	50	660	-268	-3	0	0	-66	Tipo di acciaio non contemplato
1H	50	660	439	-3	0	0	110	Tipo di acciaio non contemplato
1I	50	99	-571	1	0	0	-142	Tipo di acciaio non contemplato
1J	50	99	743	1	0	0	186	Tipo di acciaio non contemplato
1K	50	99	-571	-2	0	0	-142	Tipo di acciaio non contemplato
1L	50	99	743	-2	0	0	186	Tipo di acciaio non contemplato
1M	50	439	-571	1	0	0	-142	Tipo di acciaio non contemplato
1N	50	439	743	1	0	0	186	Tipo di acciaio non contemplato
1O	50	439	-571	-2	0	0	-142	Tipo di acciaio non contemplato
1P	50	439	743	-2	0	0	186	Tipo di acciaio non contemplato
2	50	440	-72	0	0	0	-17	Tipo di acciaio non contemplato
7	50	413	-80	0	0	0	-20	Tipo di acciaio non contemplato
8	50	412	-21	-0	0	0	-5	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-122	0	27								Tipo di acciaio non contemplato
1B	-122	0	44								Tipo di acciaio non contemplato
1C	-122	0	27								Tipo di acciaio non contemplato
1D	-122	0	44								Tipo di acciaio non contemplato
1E	660	0	27								Tipo di acciaio non contemplato
1F	660	0	44								Tipo di acciaio non contemplato
1G	660	0	27								Tipo di acciaio non contemplato
1H	660	0	44								Tipo di acciaio non contemplato
1I	99	0	57								Tipo di acciaio non contemplato
1J	99	0	75								Tipo di acciaio non contemplato
1K	99	0	57								Tipo di acciaio non contemplato
1L	99	0	75								Tipo di acciaio non contemplato
1M	439	0	57								Tipo di acciaio non contemplato
1N	439	0	75								Tipo di acciaio non contemplato
1O	439	0	57								Tipo di acciaio non contemplato
1P	439	0	75								Tipo di acciaio non contemplato
2	440	0	7								Tipo di acciaio non contemplato
7	413	0	8								Tipo di acciaio non contemplato
8	412	0	2								Tipo di acciaio non contemplato

ASTA NUM. 154 NI 471 NF 463 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-120	-153	2	0	0	39								Tipo di acciaio non contemplato
1B	0	-120	305	2	0	0	-76								Tipo di acciaio non contemplato
1C	0	-120	-153	-2	0	0	39								Tipo di acciaio non contemplato
1D	0	-120	305	-2	0	0	-76								Tipo di acciaio non contemplato
1E	0	249	-153	2	0	0	39								Tipo di acciaio non contemplato
1F	0	249	305	2	0	0	-76								Tipo di acciaio non contemplato
1G	0	249	-153	-2	0	0	39								Tipo di acciaio non contemplato
1H	0	249	305	-2	0	0	-76								Tipo di acciaio non contemplato
1I	0	-4	-256	2	0	0	64								Tipo di acciaio non contemplato
1J	0	-4	408	2	0	0	-102								Tipo di acciaio non contemplato
1K	0	-4	-256	-2	0	0	64								Tipo di acciaio non contemplato
1L	0	-4	408	-2	0	0	-102								Tipo di acciaio non contemplato
1M	0	133	-256	2	0	0	64								Tipo di acciaio non contemplato
1N	0	133	408	2	0	0	-102								Tipo di acciaio non contemplato
1O	0	133	-256	-2	0	0	64								Tipo di acciaio non contemplato
1P	0	133	408	-2	0	0	-102								Tipo di acciaio non contemplato
2	0	249	301	1	0	0	-75								Tipo di acciaio non contemplato
7	0	199	205	1	0	0	-51								Tipo di acciaio non contemplato
8	0	200	234	1	0	0	-58								Tipo di acciaio non contemplato
1A	25	-120	-155	2	0	0	0								Tipo di acciaio non contemplato
1B	25	-120	303	2	0	0	0								Tipo di acciaio non contemplato
1C	25	-120	-155	-2	0	0	0								Tipo di acciaio non contemplato
1D	25	-120	303	-2	0	0	0								Tipo di acciaio non contemplato
1E	25	249	-155	2	0	0	0								Tipo di acciaio non contemplato
1F	25	249	303	2	0	0	0								Tipo di acciaio non contemplato
1G	25	249	-155	-2	0	0	0								Tipo di acciaio non contemplato
1H	25	249	303	-2	0	0	0								Tipo di acciaio non contemplato
1I	25	-4	-258	2	0	0	0								Tipo di acciaio non contemplato
1J	25	-4	406	2	0	0	0								Tipo di acciaio non contemplato
1K	25	-4	-258	-2	0	0	0								Tipo di acciaio non contemplato
1L	25	-4	406	-2	0	0	0								Tipo di acciaio non contemplato

1M	25	133	-258	2	0	0	0	Tipo di acciaio non contemplato
1N	25	133	406	2	0	0	0	Tipo di acciaio non contemplato
1O	25	133	-258	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	133	406	-2	0	0	0	Tipo di acciaio non contemplato
2	25	249	298	1	0	0	0	Tipo di acciaio non contemplato
7	25	199	202	1	0	0	0	Tipo di acciaio non contemplato
8	25	200	231	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-120	-157	2	0	0	-39	Tipo di acciaio non contemplato
1B	50	-120	301	2	0	0	75	Tipo di acciaio non contemplato
1C	50	-120	-157	-2	0	0	-39	Tipo di acciaio non contemplato
1D	50	-120	301	-2	0	0	75	Tipo di acciaio non contemplato
1E	50	249	-157	2	0	0	-39	Tipo di acciaio non contemplato
1F	50	249	301	2	0	0	75	Tipo di acciaio non contemplato
1G	50	249	-157	-2	0	0	-39	Tipo di acciaio non contemplato
1H	50	249	301	-2	0	0	75	Tipo di acciaio non contemplato
1I	50	-4	-260	2	0	0	-65	Tipo di acciaio non contemplato
1J	50	-4	404	2	0	0	101	Tipo di acciaio non contemplato
1K	50	-4	-260	-2	0	0	-65	Tipo di acciaio non contemplato
1L	50	-4	404	-2	0	0	101	Tipo di acciaio non contemplato
1M	50	133	-260	2	0	0	-65	Tipo di acciaio non contemplato
1N	50	133	404	2	0	0	101	Tipo di acciaio non contemplato
1O	50	133	-260	-2	0	0	-65	Tipo di acciaio non contemplato
1P	50	133	404	-2	0	0	101	Tipo di acciaio non contemplato
2	50	249	295	1	0	0	74	Tipo di acciaio non contemplato
7	50	199	199	1	0	0	50	Tipo di acciaio non contemplato
8	50	200	228	1	0	0	58	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-120	0	16								Tipo di acciaio non contemplato
1B	-120	0	30								Tipo di acciaio non contemplato
1C	-120	0	16								Tipo di acciaio non contemplato
1D	-120	0	30								Tipo di acciaio non contemplato
1E	249	0	16								Tipo di acciaio non contemplato
1F	249	0	30								Tipo di acciaio non contemplato
1G	249	0	16								Tipo di acciaio non contemplato
1H	249	0	30								Tipo di acciaio non contemplato
1I	-4	0	26								Tipo di acciaio non contemplato
1J	-4	0	41								Tipo di acciaio non contemplato
1K	-4	0	26								Tipo di acciaio non contemplato
1L	-4	0	41								Tipo di acciaio non contemplato
1M	133	0	26								Tipo di acciaio non contemplato
1N	133	0	41								Tipo di acciaio non contemplato
1O	133	0	26								Tipo di acciaio non contemplato
1P	133	0	41								Tipo di acciaio non contemplato
2	249	0	30								Tipo di acciaio non contemplato
7	199	0	20								Tipo di acciaio non contemplato
8	200	0	23								Tipo di acciaio non contemplato

ASTA NUM. 155 NI 511 NF 503 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-299	-228	31	0	16	58								Tipo di acciaio non contemplato
1B	0	-299	392	31	0	16	-98								Tipo di acciaio non contemplato
1C	0	-299	-228	-26	0	-13	58								Tipo di acciaio non contemplato
1D	0	-299	392	-26	0	-13	-98								Tipo di acciaio non contemplato
1E	0	401	-228	31	0	16	58								Tipo di acciaio non contemplato
1F	0	401	392	31	0	16	-98								Tipo di acciaio non contemplato
1G	0	401	-228	-26	0	-13	58								Tipo di acciaio non contemplato
1H	0	401	392	-26	0	-13	-98								Tipo di acciaio non contemplato
1I	0	-90	-162	13	0	7	41								Tipo di acciaio non contemplato
1J	0	-90	326	13	0	7	-81								Tipo di acciaio non contemplato
1K	0	-90	-162	-7	0	-4	41								Tipo di acciaio non contemplato
1L	0	-90	326	-7	0	-4	-81								Tipo di acciaio non contemplato
1M	0	191	-162	13	0	7	41								Tipo di acciaio non contemplato
1N	0	191	326	13	0	7	-81								Tipo di acciaio non contemplato
1O	0	191	-162	-7	0	-4	41								Tipo di acciaio non contemplato
1P	0	191	326	-7	0	-4	-81								Tipo di acciaio non contemplato
2	0	174	270	10	0	5	-67								Tipo di acciaio non contemplato
7	0	145	201	8	0	4	-50								Tipo di acciaio non contemplato
8	0	140	209	9	0	5	-52								Tipo di acciaio non contemplato
1A	25	-299	-230	31	0	8	0								Tipo di acciaio non contemplato
1B	25	-299	390	31	0	8	0								Tipo di acciaio non contemplato
1C	25	-299	-230	-26	0	-6	0								Tipo di acciaio non contemplato
1D	25	-299	390	-26	0	-6	0								Tipo di acciaio non contemplato
1E	25	401	-230	31	0	8	0								Tipo di acciaio non contemplato
1F	25	401	390	31	0	8	0								Tipo di acciaio non contemplato
1G	25	401	-230	-26	0	-6	0								Tipo di acciaio non contemplato
1H	25	401	390	-26	0	-6	0								Tipo di acciaio non contemplato
1I	25	-90	-165	13	0	3	0								Tipo di acciaio non contemplato
1J	25	-90	324	13	0	3	0								Tipo di acciaio non contemplato

1K	25	-90	-165	-7	0	-2	0	Tipo di acciaio non contemplato
1L	25	-90	324	-7	0	-2	0	Tipo di acciaio non contemplato
1M	25	191	-165	13	0	3	0	Tipo di acciaio non contemplato
1N	25	191	324	13	0	3	0	Tipo di acciaio non contemplato
1O	25	191	-165	-7	0	-2	0	Tipo di acciaio non contemplato
1P	25	191	324	-7	0	-2	0	Tipo di acciaio non contemplato
2	25	174	267	10	0	3	0	Tipo di acciaio non contemplato
7	25	145	198	8	0	2	0	Tipo di acciaio non contemplato
8	25	140	206	9	0	3	0	Tipo di acciaio non contemplato
1A	50	-299	-233	31	0	0	-58	Tipo di acciaio non contemplato
1B	50	-299	387	31	0	0	97	Tipo di acciaio non contemplato
1C	50	-299	-233	-26	0	0	-58	Tipo di acciaio non contemplato
1D	50	-299	387	-26	0	0	97	Tipo di acciaio non contemplato
1E	50	401	-233	31	0	0	-58	Tipo di acciaio non contemplato
1F	50	401	387	31	0	0	97	Tipo di acciaio non contemplato
1G	50	401	-233	-26	0	0	-58	Tipo di acciaio non contemplato
1H	50	401	387	-26	0	0	97	Tipo di acciaio non contemplato
1I	50	-90	-167	13	0	0	-41	Tipo di acciaio non contemplato
1J	50	-90	322	13	0	0	81	Tipo di acciaio non contemplato
1K	50	-90	-167	-7	0	0	-41	Tipo di acciaio non contemplato
1L	50	-90	322	-7	0	0	81	Tipo di acciaio non contemplato
1M	50	191	-167	13	0	0	-41	Tipo di acciaio non contemplato
1N	50	191	322	13	0	0	81	Tipo di acciaio non contemplato
1O	50	191	-167	-7	0	0	-41	Tipo di acciaio non contemplato
1P	50	191	322	-7	0	0	81	Tipo di acciaio non contemplato
2	50	174	264	10	0	0	67	Tipo di acciaio non contemplato
7	50	145	195	8	0	0	49	Tipo di acciaio non contemplato
8	50	140	203	9	0	0	51	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-299	10	23								Tipo di acciaio non contemplato
1B	-299	10	39								Tipo di acciaio non contemplato
1C	-299	8	23								Tipo di acciaio non contemplato
1D	-299	8	39								Tipo di acciaio non contemplato
1E	401	10	23								Tipo di acciaio non contemplato
1F	401	10	39								Tipo di acciaio non contemplato
1G	401	8	23								Tipo di acciaio non contemplato
1H	401	8	39								Tipo di acciaio non contemplato
1I	-90	4	17								Tipo di acciaio non contemplato
1J	-90	4	32								Tipo di acciaio non contemplato
1K	-90	2	17								Tipo di acciaio non contemplato
1L	-90	2	32								Tipo di acciaio non contemplato
1M	191	4	17								Tipo di acciaio non contemplato
1N	191	4	32								Tipo di acciaio non contemplato
1O	191	2	17								Tipo di acciaio non contemplato
1P	191	2	32								Tipo di acciaio non contemplato
2	174	3	27								Tipo di acciaio non contemplato
7	145	3	20								Tipo di acciaio non contemplato
8	140	3	21								Tipo di acciaio non contemplato

ASTA NUM. 156 NI 531 NF 523 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-354	-147	16	0	8	37								Tipo di acciaio non contemplato
1B	0	-354	172	16	0	8	-43								Tipo di acciaio non contemplato
1C	0	-354	-147	-13	0	-6	37								Tipo di acciaio non contemplato
1D	0	-354	172	-13	0	-6	-43								Tipo di acciaio non contemplato
1E	0	411	-147	16	0	8	37								Tipo di acciaio non contemplato
1F	0	411	172	16	0	8	-43								Tipo di acciaio non contemplato
1G	0	411	-147	-13	0	-6	37								Tipo di acciaio non contemplato
1H	0	411	172	-13	0	-6	-43								Tipo di acciaio non contemplato
1I	0	-134	-93	7	0	4	24								Tipo di acciaio non contemplato
1J	0	-134	119	7	0	4	-29								Tipo di acciaio non contemplato
1K	0	-134	-93	-4	0	-2	24								Tipo di acciaio non contemplato
1L	0	-134	119	-4	0	-2	-29								Tipo di acciaio non contemplato
1M	0	191	-93	7	0	4	24								Tipo di acciaio non contemplato
1N	0	191	119	7	0	4	-29								Tipo di acciaio non contemplato
1O	0	191	-93	-4	0	-2	24								Tipo di acciaio non contemplato
1P	0	191	119	-4	0	-2	-29								Tipo di acciaio non contemplato
2	0	49	-112	5	0	3	28								Tipo di acciaio non contemplato
7	0	41	-84	4	0	2	22								Tipo di acciaio non contemplato
8	0	47	-108	4	0	3	27								Tipo di acciaio non contemplato
1A	25	-354	-149	16	0	4	0								Tipo di acciaio non contemplato
1B	25	-354	170	16	0	4	0								Tipo di acciaio non contemplato
1C	25	-354	-149	-13	0	-3	0								Tipo di acciaio non contemplato
1D	25	-354	170	-13	0	-3	0								Tipo di acciaio non contemplato
1E	25	411	-149	16	0	4	0								Tipo di acciaio non contemplato
1F	25	411	170	16	0	4	0								Tipo di acciaio non contemplato
1G	25	411	-149	-13	0	-3	0								Tipo di acciaio non contemplato
1H	25	411	170	-13	0	-3	0								Tipo di acciaio non contemplato

1I	25	-134	-96	7	0	2	0	Tipo di acciaio non contemplato
1J	25	-134	116	7	0	2	0	Tipo di acciaio non contemplato
1K	25	-134	-96	-4	0	0	0	Tipo di acciaio non contemplato
1L	25	-134	116	-4	0	0	0	Tipo di acciaio non contemplato
1M	25	191	-96	7	0	2	0	Tipo di acciaio non contemplato
1N	25	191	116	7	0	2	0	Tipo di acciaio non contemplato
1O	25	191	-96	-4	0	0	0	Tipo di acciaio non contemplato
1P	25	191	116	-4	0	0	0	Tipo di acciaio non contemplato
2	25	49	-114	5	0	2	0	Tipo di acciaio non contemplato
7	25	41	-87	4	0	1	0	Tipo di acciaio non contemplato
8	25	47	-111	4	0	2	0	Tipo di acciaio non contemplato
1A	50	-354	-151	16	0	0	-37	Tipo di acciaio non contemplato
1B	50	-354	168	16	0	0	42	Tipo di acciaio non contemplato
1C	50	-354	-151	-13	0	0	-37	Tipo di acciaio non contemplato
1D	50	-354	168	-13	0	0	42	Tipo di acciaio non contemplato
1E	50	411	-151	16	0	0	-37	Tipo di acciaio non contemplato
1F	50	411	168	16	0	0	42	Tipo di acciaio non contemplato
1G	50	411	-151	-13	0	0	-37	Tipo di acciaio non contemplato
1H	50	411	168	-13	0	0	42	Tipo di acciaio non contemplato
1I	50	-134	-98	7	0	0	-24	Tipo di acciaio non contemplato
1J	50	-134	114	7	0	0	29	Tipo di acciaio non contemplato
1K	50	-134	-98	-4	0	0	-24	Tipo di acciaio non contemplato
1L	50	-134	114	-4	0	0	29	Tipo di acciaio non contemplato
1M	50	191	-98	7	0	0	-24	Tipo di acciaio non contemplato
1N	50	191	114	7	0	0	29	Tipo di acciaio non contemplato
1O	50	191	-98	-4	0	0	-24	Tipo di acciaio non contemplato
1P	50	191	114	-4	0	0	29	Tipo di acciaio non contemplato
2	50	49	-117	5	0	0	-29	Tipo di acciaio non contemplato
7	50	41	-90	4	0	0	-22	Tipo di acciaio non contemplato
8	50	47	-114	4	0	0	-28	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-354	5	15								Tipo di acciaio non contemplato
1B	-354	5	17								Tipo di acciaio non contemplato
1C	-354	4	15								Tipo di acciaio non contemplato
1D	-354	4	17								Tipo di acciaio non contemplato
1E	411	5	15								Tipo di acciaio non contemplato
1F	411	5	17								Tipo di acciaio non contemplato
1G	411	4	15								Tipo di acciaio non contemplato
1H	411	4	17								Tipo di acciaio non contemplato
1I	-134	2	10								Tipo di acciaio non contemplato
1J	-134	2	12								Tipo di acciaio non contemplato
1K	-134	1	10								Tipo di acciaio non contemplato
1L	-134	1	12								Tipo di acciaio non contemplato
1M	191	2	10								Tipo di acciaio non contemplato
1N	191	2	12								Tipo di acciaio non contemplato
1O	191	1	10								Tipo di acciaio non contemplato
1P	191	1	12								Tipo di acciaio non contemplato
2	49	2	12								Tipo di acciaio non contemplato
7	41	2	9								Tipo di acciaio non contemplato
8	47	2	11								Tipo di acciaio non contemplato

ASTA NUM. 157 NI 430 NF 422 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-121	-270	21	0	10	68								Tipo di acciaio non contemplato
1B	0	-121	448	21	0	10	-111								Tipo di acciaio non contemplato
1C	0	-121	-270	-18	0	-9	68								Tipo di acciaio non contemplato
1D	0	-121	448	-18	0	-9	-111								Tipo di acciaio non contemplato
1E	0	681	-270	21	0	10	68								Tipo di acciaio non contemplato
1F	0	681	448	21	0	10	-111								Tipo di acciaio non contemplato
1G	0	681	-270	-18	0	-9	68								Tipo di acciaio non contemplato
1H	0	681	448	-18	0	-9	-111								Tipo di acciaio non contemplato
1I	0	77	-586	11	0	5	146								Tipo di acciaio non contemplato
1J	0	77	764	11	0	5	-190								Tipo di acciaio non contemplato
1K	0	77	-586	-8	0	-4	146								Tipo di acciaio non contemplato
1L	0	77	764	-8	0	-4	-190								Tipo di acciaio non contemplato
1M	0	483	-586	11	0	5	146								Tipo di acciaio non contemplato
1N	0	483	764	11	0	5	-190								Tipo di acciaio non contemplato
1O	0	483	-586	-8	0	-4	146								Tipo di acciaio non contemplato
1P	0	483	764	-8	0	-4	-190								Tipo di acciaio non contemplato
2	0	474	-73	1	0	0	18								Tipo di acciaio non contemplato
7	0	447	-81	2	0	0	21								Tipo di acciaio non contemplato
8	0	441	-20	1	0	0	5								Tipo di acciaio non contemplato
1A	25	-121	-272	21	0	5	0								Tipo di acciaio non contemplato
1B	25	-121	446	21	0	5	0								Tipo di acciaio non contemplato
1C	25	-121	-272	-18	0	-4	0								Tipo di acciaio non contemplato
1D	25	-121	446	-18	0	-4	0								Tipo di acciaio non contemplato
1E	25	681	-272	21	0	5	0								Tipo di acciaio non contemplato
1F	25	681	446	21	0	5	0								Tipo di acciaio non contemplato

1G	25	681	-272	-18	0	-4	0	Tipo di acciaio non contemplato
1H	25	681	446	-18	0	-4	0	Tipo di acciaio non contemplato
1I	25	77	-588	11	0	2	0	Tipo di acciaio non contemplato
1J	25	77	762	11	0	2	0	Tipo di acciaio non contemplato
1K	25	77	-588	-8	0	-1	0	Tipo di acciaio non contemplato
1L	25	77	762	-8	0	-1	0	Tipo di acciaio non contemplato
1M	25	483	-588	11	0	2	0	Tipo di acciaio non contemplato
1N	25	483	762	11	0	2	0	Tipo di acciaio non contemplato
1O	25	483	-588	-8	0	-1	0	Tipo di acciaio non contemplato
1P	25	483	762	-8	0	-1	0	Tipo di acciaio non contemplato
2	25	474	-75	1	0	0	0	Tipo di acciaio non contemplato
7	25	447	-84	2	0	0	0	Tipo di acciaio non contemplato
8	25	441	-23	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-121	-274	21	0	0	-68	Tipo di acciaio non contemplato
1B	50	-121	444	21	0	0	112	Tipo di acciaio non contemplato
1C	50	-121	-274	-18	0	0	-68	Tipo di acciaio non contemplato
1D	50	-121	444	-18	0	0	112	Tipo di acciaio non contemplato
1E	50	681	-274	21	0	0	-68	Tipo di acciaio non contemplato
1F	50	681	444	21	0	0	112	Tipo di acciaio non contemplato
1G	50	681	-274	-18	0	0	-68	Tipo di acciaio non contemplato
1H	50	681	444	-18	0	0	112	Tipo di acciaio non contemplato
1I	50	77	-590	11	0	0	-148	Tipo di acciaio non contemplato
1J	50	77	760	11	0	0	191	Tipo di acciaio non contemplato
1K	50	77	-590	-8	0	0	-148	Tipo di acciaio non contemplato
1L	50	77	760	-8	0	0	191	Tipo di acciaio non contemplato
1M	50	483	-590	11	0	0	-148	Tipo di acciaio non contemplato
1N	50	483	760	11	0	0	191	Tipo di acciaio non contemplato
1O	50	483	-590	-8	0	0	-148	Tipo di acciaio non contemplato
1P	50	483	760	-8	0	0	191	Tipo di acciaio non contemplato
2	50	474	-78	1	0	0	-19	Tipo di acciaio non contemplato
7	50	447	-87	2	0	0	-21	Tipo di acciaio non contemplato
8	50	441	-26	1	0	0	-6	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-121	6	27								Tipo di acciaio non contemplato
1B	-121	6	45								Tipo di acciaio non contemplato
1C	-121	5	27								Tipo di acciaio non contemplato
1D	-121	5	45								Tipo di acciaio non contemplato
1E	681	6	27								Tipo di acciaio non contemplato
1F	681	6	45								Tipo di acciaio non contemplato
1G	681	5	27								Tipo di acciaio non contemplato
1H	681	5	45								Tipo di acciaio non contemplato
1I	77	3	59								Tipo di acciaio non contemplato
1J	77	3	76								Tipo di acciaio non contemplato
1K	77	2	59								Tipo di acciaio non contemplato
1L	77	2	76								Tipo di acciaio non contemplato
1M	483	3	59								Tipo di acciaio non contemplato
1N	483	3	76								Tipo di acciaio non contemplato
1O	483	2	59								Tipo di acciaio non contemplato
1P	483	2	76								Tipo di acciaio non contemplato
2	474	0	8								Tipo di acciaio non contemplato
7	447	0	9								Tipo di acciaio non contemplato
8	441	0	2								Tipo di acciaio non contemplato

ASTA NUM. 158 NI 470 NF 462 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-263	-195	35	0	17	49								Tipo di acciaio non contemplato
1B	0	-263	339	35	0	17	-85								Tipo di acciaio non contemplato
1C	0	-263	-195	-40	0	-20	49								Tipo di acciaio non contemplato
1D	0	-263	339	-40	0	-20	-85								Tipo di acciaio non contemplato
1E	0	438	-195	35	0	17	49								Tipo di acciaio non contemplato
1F	0	438	339	35	0	17	-85								Tipo di acciaio non contemplato
1G	0	438	-195	-40	0	-20	49								Tipo di acciaio non contemplato
1H	0	438	339	-40	0	-20	-85								Tipo di acciaio non contemplato
1I	0	-28	-277	15	0	7	70								Tipo di acciaio non contemplato
1J	0	-28	422	15	0	7	-105								Tipo di acciaio non contemplato
1K	0	-28	-277	-20	0	-10	70								Tipo di acciaio non contemplato
1L	0	-28	422	-20	0	-10	-105								Tipo di acciaio non contemplato
1M	0	204	-277	15	0	7	70								Tipo di acciaio non contemplato
1N	0	204	422	15	0	7	-105								Tipo di acciaio non contemplato
1O	0	204	-277	-20	0	-10	70								Tipo di acciaio non contemplato
1P	0	204	422	-20	0	-10	-105								Tipo di acciaio non contemplato
2	0	280	295	-9	0	-5	-73								Tipo di acciaio non contemplato
7	0	232	198	-8	0	-4	-49								Tipo di acciaio non contemplato
8	0	232	228	-8	0	-4	-56								Tipo di acciaio non contemplato
1A	25	-263	-197	35	0	8	0								Tipo di acciaio non contemplato
1B	25	-263	337	35	0	8	0								Tipo di acciaio non contemplato
1C	25	-263	-197	-40	0	-10	0								Tipo di acciaio non contemplato
1D	25	-263	337	-40	0	-10	0								Tipo di acciaio non contemplato

1E	25	438	-197	35	0	8	0	Tipo di acciaio non contemplato
1F	25	438	337	35	0	8	0	Tipo di acciaio non contemplato
1G	25	438	-197	-40	0	-10	0	Tipo di acciaio non contemplato
1H	25	438	337	-40	0	-10	0	Tipo di acciaio non contemplato
1I	25	-28	-280	15	0	3	0	Tipo di acciaio non contemplato
1J	25	-28	420	15	0	3	0	Tipo di acciaio non contemplato
1K	25	-28	-280	-20	0	-5	0	Tipo di acciaio non contemplato
1L	25	-28	420	-20	0	-5	0	Tipo di acciaio non contemplato
1M	25	204	-280	15	0	3	0	Tipo di acciaio non contemplato
1N	25	204	420	15	0	3	0	Tipo di acciaio non contemplato
1O	25	204	-280	-20	0	-5	0	Tipo di acciaio non contemplato
1P	25	204	420	-20	0	-5	0	Tipo di acciaio non contemplato
2	25	280	292	-9	0	-2	0	Tipo di acciaio non contemplato
7	25	232	196	-8	0	-2	0	Tipo di acciaio non contemplato
8	25	232	225	-8	0	-2	0	Tipo di acciaio non contemplato
1A	50	-263	-199	35	0	0	-49	Tipo di acciaio non contemplato
1B	50	-263	335	35	0	0	84	Tipo di acciaio non contemplato
1C	50	-263	-199	-40	0	0	-49	Tipo di acciaio non contemplato
1D	50	-263	335	-40	0	0	84	Tipo di acciaio non contemplato
1E	50	438	-199	35	0	0	-49	Tipo di acciaio non contemplato
1F	50	438	335	35	0	0	84	Tipo di acciaio non contemplato
1G	50	438	-199	-40	0	0	-49	Tipo di acciaio non contemplato
1H	50	438	335	-40	0	0	84	Tipo di acciaio non contemplato
1I	50	-28	-282	15	0	0	-70	Tipo di acciaio non contemplato
1J	50	-28	418	15	0	0	105	Tipo di acciaio non contemplato
1K	50	-28	-282	-20	0	0	-70	Tipo di acciaio non contemplato
1L	50	-28	418	-20	0	0	105	Tipo di acciaio non contemplato
1M	50	204	-282	15	0	0	-70	Tipo di acciaio non contemplato
1N	50	204	418	15	0	0	105	Tipo di acciaio non contemplato
1O	50	204	-282	-20	0	0	-70	Tipo di acciaio non contemplato
1P	50	204	418	-20	0	0	105	Tipo di acciaio non contemplato
2	50	280	289	-9	0	0	73	Tipo di acciaio non contemplato
7	50	232	193	-8	0	0	49	Tipo di acciaio non contemplato
8	50	232	222	-8	0	0	56	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-263	10	20								Tipo di acciaio non contemplato
1B	-263	10	34								Tipo di acciaio non contemplato
1C	-263	12	20								Tipo di acciaio non contemplato
1D	-263	12	34								Tipo di acciaio non contemplato
1E	438	10	20								Tipo di acciaio non contemplato
1F	438	10	34								Tipo di acciaio non contemplato
1G	438	12	20								Tipo di acciaio non contemplato
1H	438	12	34								Tipo di acciaio non contemplato
1I	-28	4	28								Tipo di acciaio non contemplato
1J	-28	4	42								Tipo di acciaio non contemplato
1K	-28	6	28								Tipo di acciaio non contemplato
1L	-28	6	42								Tipo di acciaio non contemplato
1M	204	4	28								Tipo di acciaio non contemplato
1N	204	4	42								Tipo di acciaio non contemplato
1O	204	6	28								Tipo di acciaio non contemplato
1P	204	6	42								Tipo di acciaio non contemplato
2	280	3	29								Tipo di acciaio non contemplato
7	232	3	20								Tipo di acciaio non contemplato
8	232	2	23								Tipo di acciaio non contemplato

ASTA NUM. 159 NI 510 NF 502 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-386	-174	9	0	5	44								Tipo di acciaio non contemplato
1B	0	-386	337	9	0	5	-84								Tipo di acciaio non contemplato
1C	0	-386	-174	-9	0	-5	44								Tipo di acciaio non contemplato
1D	0	-386	337	-9	0	-5	-84								Tipo di acciaio non contemplato
1E	0	490	-174	9	0	5	44								Tipo di acciaio non contemplato
1F	0	490	337	9	0	5	-84								Tipo di acciaio non contemplato
1G	0	490	-174	-9	0	-5	44								Tipo di acciaio non contemplato
1H	0	490	337	-9	0	-5	-84								Tipo di acciaio non contemplato
1I	0	-141	-144	5	0	3	36								Tipo di acciaio non contemplato
1J	0	-141	307	5	0	3	-76								Tipo di acciaio non contemplato
1K	0	-141	-144	-6	0	-3	36								Tipo di acciaio non contemplato
1L	0	-141	307	-6	0	-3	-76								Tipo di acciaio non contemplato
1M	0	245	-144	5	0	3	36								Tipo di acciaio non contemplato
1N	0	245	307	5	0	3	-76								Tipo di acciaio non contemplato
1O	0	245	-144	-6	0	-3	36								Tipo di acciaio non contemplato
1P	0	245	307	-6	0	-3	-76								Tipo di acciaio non contemplato
2	0	182	268	-1	0	0	-66								Tipo di acciaio non contemplato
7	0	154	200	-0	0	0	-49								Tipo di acciaio non contemplato
8	0	148	207	-1	0	0	-51								Tipo di acciaio non contemplato
1A	25	-386	-177	9	0	2	0								Tipo di acciaio non contemplato
1B	25	-386	335	9	0	2	0								Tipo di acciaio non contemplato

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1A	25	-434	-166	19	0	5	0	Tipo di acciaio non contemplato
1B	25	-434	187	19	0	5	0	Tipo di acciaio non contemplato
1C	25	-434	-166	-19	0	-5	0	Tipo di acciaio non contemplato
1D	25	-434	187	-19	0	-5	0	Tipo di acciaio non contemplato
1E	25	500	-166	19	0	5	0	Tipo di acciaio non contemplato
1F	25	500	187	19	0	5	0	Tipo di acciaio non contemplato
1G	25	500	-166	-19	0	-5	0	Tipo di acciaio non contemplato
1H	25	500	187	-19	0	-5	0	Tipo di acciaio non contemplato
1I	25	-163	-102	10	0	2	0	Tipo di acciaio non contemplato
1J	25	-163	123	10	0	2	0	Tipo di acciaio non contemplato
1K	25	-163	-102	-10	0	-2	0	Tipo di acciaio non contemplato
1L	25	-163	123	-10	0	-2	0	Tipo di acciaio non contemplato
1M	25	229	-102	10	0	2	0	Tipo di acciaio non contemplato
1N	25	229	123	10	0	2	0	Tipo di acciaio non contemplato
1O	25	229	-102	-10	0	-2	0	Tipo di acciaio non contemplato
1P	25	229	123	-10	0	-2	0	Tipo di acciaio non contemplato
2	25	161	-155	0	0	0	0	Tipo di acciaio non contemplato
7	25	120	-115	1	0	0	0	Tipo di acciaio non contemplato
8	25	158	-151	0	0	0	0	Tipo di acciaio non contemplato
1A	50	-434	-168	19	0	0	-42	Tipo di acciaio non contemplato
1B	50	-434	185	19	0	0	47	Tipo di acciaio non contemplato
1C	50	-434	-168	-19	0	0	-42	Tipo di acciaio non contemplato
1D	50	-434	185	-19	0	0	47	Tipo di acciaio non contemplato
1E	50	500	-168	19	0	0	-42	Tipo di acciaio non contemplato
1F	50	500	185	19	0	0	47	Tipo di acciaio non contemplato
1G	50	500	-168	-19	0	0	-42	Tipo di acciaio non contemplato
1H	50	500	185	-19	0	0	47	Tipo di acciaio non contemplato
1I	50	-163	-104	10	0	0	-26	Tipo di acciaio non contemplato
1J	50	-163	121	10	0	0	31	Tipo di acciaio non contemplato
1K	50	-163	-104	-10	0	0	-26	Tipo di acciaio non contemplato
1L	50	-163	121	-10	0	0	31	Tipo di acciaio non contemplato
1M	50	229	-104	10	0	0	-26	Tipo di acciaio non contemplato
1N	50	229	121	10	0	0	31	Tipo di acciaio non contemplato
1O	50	229	-104	-10	0	0	-26	Tipo di acciaio non contemplato
1P	50	229	121	-10	0	0	31	Tipo di acciaio non contemplato
2	50	161	-158	0	0	0	-39	Tipo di acciaio non contemplato
7	50	120	-118	1	0	0	-29	Tipo di acciaio non contemplato
8	50	158	-154	0	0	0	-38	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-434	6	17								Tipo di acciaio non contemplato
1B	-434	6	19								Tipo di acciaio non contemplato
1C	-434	6	17								Tipo di acciaio non contemplato
1D	-434	6	19								Tipo di acciaio non contemplato
1E	500	6	17								Tipo di acciaio non contemplato
1F	500	6	19								Tipo di acciaio non contemplato
1G	500	6	17								Tipo di acciaio non contemplato
1H	500	6	19								Tipo di acciaio non contemplato
1I	-163	3	10								Tipo di acciaio non contemplato
1J	-163	3	12								Tipo di acciaio non contemplato
1K	-163	3	10								Tipo di acciaio non contemplato
1L	-163	3	12								Tipo di acciaio non contemplato
1M	229	3	10								Tipo di acciaio non contemplato
1N	229	3	12								Tipo di acciaio non contemplato
1O	229	3	10								Tipo di acciaio non contemplato
1P	229	3	12								Tipo di acciaio non contemplato
2	161	0	16								Tipo di acciaio non contemplato
7	120	0	12								Tipo di acciaio non contemplato
8	158	0	15								Tipo di acciaio non contemplato

ASTA NUM. 161 NI 429 NF 421 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-141	-347	2	0	0	87								Tipo di acciaio non contemplato
1B	0	-141	512	2	0	0	-127								Tipo di acciaio non contemplato
1C	0	-141	-347	-4	0	0	87								Tipo di acciaio non contemplato
1D	0	-141	512	-4	0	0	-127								Tipo di acciaio non contemplato
1E	0	652	-347	2	0	0	87								Tipo di acciaio non contemplato
1F	0	652	512	2	0	0	-127								Tipo di acciaio non contemplato
1G	0	652	-347	-4	0	0	87								Tipo di acciaio non contemplato
1H	0	652	512	-4	0	0	-127								Tipo di acciaio non contemplato
1I	0	-303	-733	1	0	0	183								Tipo di acciaio non contemplato
1J	0	-303	898	1	0	0	-224								Tipo di acciaio non contemplato
1K	0	-303	-733	-3	0	0	183								Tipo di acciaio non contemplato
1L	0	-303	898	-3	0	0	-224								Tipo di acciaio non contemplato
1M	0	814	-733	1	0	0	183								Tipo di acciaio non contemplato
1N	0	814	898	1	0	0	-224								Tipo di acciaio non contemplato
1O	0	814	-733	-3	0	0	183								Tipo di acciaio non contemplato
1P	0	814	898	-3	0	0	-224								Tipo di acciaio non contemplato
2	0	236	-131	-2	0	0	33								Tipo di acciaio non contemplato
7	0	213	-138	-2	0	0	35								Tipo di acciaio non contemplato

8	0	260	-65	-2	0	0	16	Tipo di acciaio non contemplato
1A	25	-141	-349	2	0	0	0	Tipo di acciaio non contemplato
1B	25	-141	509	2	0	0	0	Tipo di acciaio non contemplato
1C	25	-141	-349	-4	0	0	0	Tipo di acciaio non contemplato
1D	25	-141	509	-4	0	0	0	Tipo di acciaio non contemplato
1E	25	652	-349	2	0	0	0	Tipo di acciaio non contemplato
1F	25	652	509	2	0	0	0	Tipo di acciaio non contemplato
1G	25	652	-349	-4	0	0	0	Tipo di acciaio non contemplato
1H	25	652	509	-4	0	0	0	Tipo di acciaio non contemplato
1I	25	-303	-735	1	0	0	0	Tipo di acciaio non contemplato
1J	25	-303	896	1	0	0	0	Tipo di acciaio non contemplato
1K	25	-303	-735	-3	0	0	0	Tipo di acciaio non contemplato
1L	25	-303	896	-3	0	0	0	Tipo di acciaio non contemplato
1M	25	814	-735	1	0	0	0	Tipo di acciaio non contemplato
1N	25	814	896	1	0	0	0	Tipo di acciaio non contemplato
1O	25	814	-735	-3	0	0	0	Tipo di acciaio non contemplato
1P	25	814	896	-3	0	0	0	Tipo di acciaio non contemplato
2	25	236	-134	-2	0	0	0	Tipo di acciaio non contemplato
7	25	213	-141	-2	0	0	0	Tipo di acciaio non contemplato
8	25	260	-68	-2	0	0	0	Tipo di acciaio non contemplato
1A	50	-141	-351	2	0	0	-88	Tipo di acciaio non contemplato
1B	50	-141	507	2	0	0	127	Tipo di acciaio non contemplato
1C	50	-141	-351	-4	0	1	-88	Tipo di acciaio non contemplato
1D	50	-141	507	-4	0	1	127	Tipo di acciaio non contemplato
1E	50	652	-351	2	0	0	-88	Tipo di acciaio non contemplato
1F	50	652	507	2	0	0	127	Tipo di acciaio non contemplato
1G	50	652	-351	-4	0	1	-88	Tipo di acciaio non contemplato
1H	50	652	507	-4	0	1	127	Tipo di acciaio non contemplato
1I	50	-303	-738	1	0	0	-184	Tipo di acciaio non contemplato
1J	50	-303	894	1	0	0	224	Tipo di acciaio non contemplato
1K	50	-303	-738	-3	0	0	-184	Tipo di acciaio non contemplato
1L	50	-303	894	-3	0	0	224	Tipo di acciaio non contemplato
1M	50	814	-738	1	0	0	-184	Tipo di acciaio non contemplato
1N	50	814	894	1	0	0	224	Tipo di acciaio non contemplato
1O	50	814	-738	-3	0	0	-184	Tipo di acciaio non contemplato
1P	50	814	894	-3	0	0	224	Tipo di acciaio non contemplato
2	50	236	-136	-2	0	0	-34	Tipo di acciaio non contemplato
7	50	213	-144	-2	0	0	-36	Tipo di acciaio non contemplato
8	50	260	-71	-2	0	0	-17	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-141	0	35								Tipo di acciaio non contemplato
1B	-141	0	51								Tipo di acciaio non contemplato
1C	-141	1	35								Tipo di acciaio non contemplato
1D	-141	1	51								Tipo di acciaio non contemplato
1E	652	0	35								Tipo di acciaio non contemplato
1F	652	0	51								Tipo di acciaio non contemplato
1G	652	1	35								Tipo di acciaio non contemplato
1H	652	1	51								Tipo di acciaio non contemplato
1I	-303	0	74								Tipo di acciaio non contemplato
1J	-303	0	90								Tipo di acciaio non contemplato
1K	-303	0	74								Tipo di acciaio non contemplato
1L	-303	0	90								Tipo di acciaio non contemplato
1M	814	0	74								Tipo di acciaio non contemplato
1N	814	0	90								Tipo di acciaio non contemplato
1O	814	0	74								Tipo di acciaio non contemplato
1P	814	0	90								Tipo di acciaio non contemplato
2	236	0	14								Tipo di acciaio non contemplato
7	213	0	14								Tipo di acciaio non contemplato
8	260	0	7								Tipo di acciaio non contemplato

ASTA NUM. 162 NI 469 NF 461 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-410	-188	5	0	1	47								Tipo di acciaio non contemplato
1B	0	-410	350	5	0	1	-87								Tipo di acciaio non contemplato
1C	0	-410	-188	-5	0	0	47								Tipo di acciaio non contemplato
1D	0	-410	350	-5	0	0	-87								Tipo di acciaio non contemplato
1E	0	668	-188	5	0	1	47								Tipo di acciaio non contemplato
1F	0	668	350	5	0	1	-87								Tipo di acciaio non contemplato
1G	0	668	-188	-5	0	0	47								Tipo di acciaio non contemplato
1H	0	668	350	-5	0	0	-87								Tipo di acciaio non contemplato
1I	0	-331	-340	3	0	0	85								Tipo di acciaio non contemplato
1J	0	-331	502	3	0	0	-125								Tipo di acciaio non contemplato
1K	0	-331	-340	-3	0	0	85								Tipo di acciaio non contemplato
1L	0	-331	502	-3	0	0	-125								Tipo di acciaio non contemplato
1M	0	588	-340	3	0	0	85								Tipo di acciaio non contemplato
1N	0	588	502	3	0	0	-125								Tipo di acciaio non contemplato
1O	0	588	-340	-3	0	0	85								Tipo di acciaio non contemplato
1P	0	588	502	-3	0	0	-125								Tipo di acciaio non contemplato

2	0	290	296	0	0	0	-74	Tipo di acciaio non contemplato
7	0	218	194	0	0	0	-48	Tipo di acciaio non contemplato
8	0	248	231	0	0	0	-57	Tipo di acciaio non contemplato
1A	25	-410	-190	5	0	0	0	Tipo di acciaio non contemplato
1B	25	-410	348	5	0	0	0	Tipo di acciaio non contemplato
1C	25	-410	-190	-5	0	0	0	Tipo di acciaio non contemplato
1D	25	-410	348	-5	0	0	0	Tipo di acciaio non contemplato
1E	25	668	-190	5	0	0	0	Tipo di acciaio non contemplato
1F	25	668	348	5	0	0	0	Tipo di acciaio non contemplato
1G	25	668	-190	-5	0	0	0	Tipo di acciaio non contemplato
1H	25	668	348	-5	0	0	0	Tipo di acciaio non contemplato
1I	25	-331	-343	3	0	0	0	Tipo di acciaio non contemplato
1J	25	-331	500	3	0	0	0	Tipo di acciaio non contemplato
1K	25	-331	-343	-3	0	0	0	Tipo di acciaio non contemplato
1L	25	-331	500	-3	0	0	0	Tipo di acciaio non contemplato
1M	25	588	-343	3	0	0	0	Tipo di acciaio non contemplato
1N	25	588	500	3	0	0	0	Tipo di acciaio non contemplato
1O	25	588	-343	-3	0	0	0	Tipo di acciaio non contemplato
1P	25	588	500	-3	0	0	0	Tipo di acciaio non contemplato
2	25	290	293	0	0	0	0	Tipo di acciaio non contemplato
7	25	218	191	0	0	0	0	Tipo di acciaio non contemplato
8	25	248	228	0	0	0	0	Tipo di acciaio non contemplato
1A	50	-410	-193	5	0	-2	-48	Tipo di acciaio non contemplato
1B	50	-410	346	5	0	-2	87	Tipo di acciaio non contemplato
1C	50	-410	-193	-5	0	2	-48	Tipo di acciaio non contemplato
1D	50	-410	346	-5	0	2	87	Tipo di acciaio non contemplato
1E	50	668	-193	5	0	-2	-48	Tipo di acciaio non contemplato
1F	50	668	346	5	0	-2	87	Tipo di acciaio non contemplato
1G	50	668	-193	-5	0	2	-48	Tipo di acciaio non contemplato
1H	50	668	346	-5	0	2	87	Tipo di acciaio non contemplato
1I	50	-331	-345	3	0	0	-86	Tipo di acciaio non contemplato
1J	50	-331	498	3	0	0	125	Tipo di acciaio non contemplato
1K	50	-331	-345	-3	0	0	-86	Tipo di acciaio non contemplato
1L	50	-331	498	-3	0	0	125	Tipo di acciaio non contemplato
1M	50	588	-345	3	0	0	-86	Tipo di acciaio non contemplato
1N	50	588	498	3	0	0	125	Tipo di acciaio non contemplato
1O	50	588	-345	-3	0	0	-86	Tipo di acciaio non contemplato
1P	50	588	498	-3	0	0	125	Tipo di acciaio non contemplato
2	50	290	290	0	0	0	73	Tipo di acciaio non contemplato
7	50	218	188	0	0	0	47	Tipo di acciaio non contemplato
8	50	248	225	0	0	0	57	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-410	1	19								Tipo di acciaio non contemplato
1B	-410	1	35								Tipo di acciaio non contemplato
1C	-410	1	19								Tipo di acciaio non contemplato
1D	-410	1	35								Tipo di acciaio non contemplato
1E	668	1	19								Tipo di acciaio non contemplato
1F	668	1	35								Tipo di acciaio non contemplato
1G	668	1	19								Tipo di acciaio non contemplato
1H	668	1	35								Tipo di acciaio non contemplato
1I	-331	0	34								Tipo di acciaio non contemplato
1J	-331	0	50								Tipo di acciaio non contemplato
1K	-331	0	34								Tipo di acciaio non contemplato
1L	-331	0	50								Tipo di acciaio non contemplato
1M	588	0	34								Tipo di acciaio non contemplato
1N	588	0	50								Tipo di acciaio non contemplato
1O	588	0	34								Tipo di acciaio non contemplato
1P	588	0	50								Tipo di acciaio non contemplato
2	290	0	30								Tipo di acciaio non contemplato
7	218	0	19								Tipo di acciaio non contemplato
8	248	0	23								Tipo di acciaio non contemplato

ASTA NUM. 163 NI 509 NF 501 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-335	-264	17	0	8	66								Tipo di acciaio non contemplato
1B	0	-335	437	17	0	8	-109								Tipo di acciaio non contemplato
1C	0	-335	-264	-16	0	-8	66								Tipo di acciaio non contemplato
1D	0	-335	437	-16	0	-8	-109								Tipo di acciaio non contemplato
1E	0	480	-264	17	0	8	66								Tipo di acciaio non contemplato
1F	0	480	437	17	0	8	-109								Tipo di acciaio non contemplato
1G	0	480	-264	-16	0	-8	66								Tipo di acciaio non contemplato
1H	0	480	437	-16	0	-8	-109								Tipo di acciaio non contemplato
1I	0	-119	-208	6	0	3	52								Tipo di acciaio non contemplato
1J	0	-119	382	6	0	3	-95								Tipo di acciaio non contemplato
1K	0	-119	-208	-5	0	-3	52								Tipo di acciaio non contemplato
1L	0	-119	382	-5	0	-3	-95								Tipo di acciaio non contemplato
1M	0	264	-208	6	0	3	52								Tipo di acciaio non contemplato
1N	0	264	382	6	0	3	-95								Tipo di acciaio non contemplato

1O	0	264	-208	-5	0	-3	52	Tipo di acciaio non contemplato
1P	0	264	382	-5	0	-3	-95	Tipo di acciaio non contemplato
2	0	196	272	-0	0	0	-67	Tipo di acciaio non contemplato
7	0	154	199	0	0	0	-49	Tipo di acciaio non contemplato
8	0	155	209	-0	0	0	-52	Tipo di acciaio non contemplato
1A	25	-335	-266	17	0	4	0	Tipo di acciaio non contemplato
1B	25	-335	435	17	0	4	0	Tipo di acciaio non contemplato
1C	25	-335	-266	-16	0	-4	0	Tipo di acciaio non contemplato
1D	25	-335	435	-16	0	-4	0	Tipo di acciaio non contemplato
1E	25	480	-266	17	0	4	0	Tipo di acciaio non contemplato
1F	25	480	435	17	0	4	0	Tipo di acciaio non contemplato
1G	25	480	-266	-16	0	-4	0	Tipo di acciaio non contemplato
1H	25	480	435	-16	0	-4	0	Tipo di acciaio non contemplato
1I	25	-119	-211	6	0	2	0	Tipo di acciaio non contemplato
1J	25	-119	379	6	0	2	0	Tipo di acciaio non contemplato
1K	25	-119	-211	-5	0	-2	0	Tipo di acciaio non contemplato
1L	25	-119	379	-5	0	-2	0	Tipo di acciaio non contemplato
1M	25	264	-211	6	0	2	0	Tipo di acciaio non contemplato
1N	25	264	379	6	0	2	0	Tipo di acciaio non contemplato
1O	25	264	-211	-5	0	-2	0	Tipo di acciaio non contemplato
1P	25	264	379	-5	0	-2	0	Tipo di acciaio non contemplato
2	25	196	269	-0	0	0	0	Tipo di acciaio non contemplato
7	25	154	196	0	0	0	0	Tipo di acciaio non contemplato
8	25	155	206	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	-335	-268	17	0	0	-67	Tipo di acciaio non contemplato
1B	50	-335	433	17	0	0	109	Tipo di acciaio non contemplato
1C	50	-335	-268	-16	0	0	-67	Tipo di acciaio non contemplato
1D	50	-335	433	-16	0	0	109	Tipo di acciaio non contemplato
1E	50	480	-268	17	0	0	-67	Tipo di acciaio non contemplato
1F	50	480	433	17	0	0	109	Tipo di acciaio non contemplato
1G	50	480	-268	-16	0	0	-67	Tipo di acciaio non contemplato
1H	50	480	433	-16	0	0	109	Tipo di acciaio non contemplato
1I	50	-119	-213	6	0	0	-53	Tipo di acciaio non contemplato
1J	50	-119	377	6	0	0	95	Tipo di acciaio non contemplato
1K	50	-119	-213	-5	0	-1	-53	Tipo di acciaio non contemplato
1L	50	-119	377	-5	0	-1	95	Tipo di acciaio non contemplato
1M	50	264	-213	6	0	0	-53	Tipo di acciaio non contemplato
1N	50	264	377	6	0	0	95	Tipo di acciaio non contemplato
1O	50	264	-213	-5	0	-1	-53	Tipo di acciaio non contemplato
1P	50	264	377	-5	0	-1	95	Tipo di acciaio non contemplato
2	50	196	266	-0	0	0	67	Tipo di acciaio non contemplato
7	50	154	193	0	0	0	49	Tipo di acciaio non contemplato
8	50	155	203	-0	0	0	51	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-335	4	27								Tipo di acciaio non contemplato
1B	-335	4	44								Tipo di acciaio non contemplato
1C	-335	5	27								Tipo di acciaio non contemplato
1D	-335	5	44								Tipo di acciaio non contemplato
1E	480	4	27								Tipo di acciaio non contemplato
1F	480	4	44								Tipo di acciaio non contemplato
1G	480	5	27								Tipo di acciaio non contemplato
1H	480	5	44								Tipo di acciaio non contemplato
1I	-119	2	21								Tipo di acciaio non contemplato
1J	-119	2	38								Tipo di acciaio non contemplato
1K	-119	2	21								Tipo di acciaio non contemplato
1L	-119	2	38								Tipo di acciaio non contemplato
1M	264	2	21								Tipo di acciaio non contemplato
1N	264	2	38								Tipo di acciaio non contemplato
1O	264	2	21								Tipo di acciaio non contemplato
1P	264	2	38								Tipo di acciaio non contemplato
2	196	1	27								Tipo di acciaio non contemplato
7	154	0	20								Tipo di acciaio non contemplato
8	155	1	21								Tipo di acciaio non contemplato

ASTA NUM. 164 NI 529 NF 521 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-439	-169	11	0	5	42								Tipo di acciaio non contemplato
1B	0	-439	195	11	0	5	-48								Tipo di acciaio non contemplato
1C	0	-439	-169	-10	0	-5	42								Tipo di acciaio non contemplato
1D	0	-439	195	-10	0	-5	-48								Tipo di acciaio non contemplato
1E	0	512	-169	11	0	5	42								Tipo di acciaio non contemplato
1F	0	512	195	11	0	5	-48								Tipo di acciaio non contemplato
1G	0	512	-169	-10	0	-5	42								Tipo di acciaio non contemplato
1H	0	512	195	-10	0	-5	-48								Tipo di acciaio non contemplato
1I	0	-212	-115	5	0	2	29								Tipo di acciaio non contemplato
1J	0	-212	141	5	0	2	-35								Tipo di acciaio non contemplato
1K	0	-212	-115	-4	0	-2	29								Tipo di acciaio non contemplato
1L	0	-212	141	-4	0	-2	-35								Tipo di acciaio non contemplato

1M	0	286	-115	5	0	2	29	Tipo di acciaio non contemplato
1N	0	286	141	5	0	2	-35	Tipo di acciaio non contemplato
1O	0	286	-115	-4	0	-2	29	Tipo di acciaio non contemplato
1P	0	286	141	-4	0	-2	-35	Tipo di acciaio non contemplato
2	0	-38	-217	1	0	0	55	Tipo di acciaio non contemplato
7	0	-28	-160	1	0	0	41	Tipo di acciaio non contemplato
8	0	-33	-212	1	0	0	53	Tipo di acciaio non contemplato
1A	25	-439	-171	11	0	2	0	Tipo di acciaio non contemplato
1B	25	-439	192	11	0	2	0	Tipo di acciaio non contemplato
1C	25	-439	-171	-10	0	-2	0	Tipo di acciaio non contemplato
1D	25	-439	192	-10	0	-2	0	Tipo di acciaio non contemplato
1E	25	512	-171	11	0	2	0	Tipo di acciaio non contemplato
1F	25	512	192	11	0	2	0	Tipo di acciaio non contemplato
1G	25	512	-171	-10	0	-2	0	Tipo di acciaio non contemplato
1H	25	512	192	-10	0	-2	0	Tipo di acciaio non contemplato
1I	25	-212	-117	5	0	0	0	Tipo di acciaio non contemplato
1J	25	-212	138	5	0	0	0	Tipo di acciaio non contemplato
1K	25	-212	-117	-4	0	0	0	Tipo di acciaio non contemplato
1L	25	-212	138	-4	0	0	0	Tipo di acciaio non contemplato
1M	25	286	-117	5	0	0	0	Tipo di acciaio non contemplato
1N	25	286	138	5	0	0	0	Tipo di acciaio non contemplato
1O	25	286	-117	-4	0	0	0	Tipo di acciaio non contemplato
1P	25	286	138	-4	0	0	0	Tipo di acciaio non contemplato
2	25	-38	-220	1	0	0	0	Tipo di acciaio non contemplato
7	25	-28	-163	1	0	0	0	Tipo di acciaio non contemplato
8	25	-33	-214	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-439	-174	11	0	-1	-43	Tipo di acciaio non contemplato
1B	50	-439	190	11	0	-1	48	Tipo di acciaio non contemplato
1C	50	-439	-174	-10	0	0	-43	Tipo di acciaio non contemplato
1D	50	-439	190	-10	0	0	48	Tipo di acciaio non contemplato
1E	50	512	-174	11	0	-1	-43	Tipo di acciaio non contemplato
1F	50	512	190	11	0	-1	48	Tipo di acciaio non contemplato
1G	50	512	-174	-10	0	0	-43	Tipo di acciaio non contemplato
1H	50	512	190	-10	0	0	48	Tipo di acciaio non contemplato
1I	50	-212	-120	5	0	-1	-30	Tipo di acciaio non contemplato
1J	50	-212	136	5	0	-1	34	Tipo di acciaio non contemplato
1K	50	-212	-120	-4	0	0	-30	Tipo di acciaio non contemplato
1L	50	-212	136	-4	0	0	34	Tipo di acciaio non contemplato
1M	50	286	-120	5	0	-1	-30	Tipo di acciaio non contemplato
1N	50	286	136	5	0	-1	34	Tipo di acciaio non contemplato
1O	50	286	-120	-4	0	0	-30	Tipo di acciaio non contemplato
1P	50	286	136	-4	0	0	34	Tipo di acciaio non contemplato
2	50	-38	-223	1	0	0	-55	Tipo di acciaio non contemplato
7	50	-28	-166	1	0	0	-41	Tipo di acciaio non contemplato
8	50	-33	-217	1	0	0	-54	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-439	2	17								Tipo di acciaio non contemplato
1B	-439	2	19								Tipo di acciaio non contemplato
1C	-439	2	17								Tipo di acciaio non contemplato
1D	-439	2	19								Tipo di acciaio non contemplato
1E	512	2	17								Tipo di acciaio non contemplato
1F	512	2	19								Tipo di acciaio non contemplato
1G	512	2	17								Tipo di acciaio non contemplato
1H	512	2	19								Tipo di acciaio non contemplato
1I	-212	1	12								Tipo di acciaio non contemplato
1J	-212	1	14								Tipo di acciaio non contemplato
1K	-212	1	12								Tipo di acciaio non contemplato
1L	-212	1	14								Tipo di acciaio non contemplato
1M	286	1	12								Tipo di acciaio non contemplato
1N	286	1	14								Tipo di acciaio non contemplato
1O	286	1	12								Tipo di acciaio non contemplato
1P	286	1	14								Tipo di acciaio non contemplato
2	-38	0	22								Tipo di acciaio non contemplato
7	-28	0	16								Tipo di acciaio non contemplato
8	-33	0	22								Tipo di acciaio non contemplato

ASTA NUM. 165 NI 437 NF 870 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-813	-1343	550	0	141	187	15.1	153.9	113.9	0.0	198.2	4	
1B	0	-813	250	550	0	141	-135	15.1	140.6	21.2	0.0	155.7	1	
1C	0	-813	-1343	-525	0	-132	187	15.1	147.1	113.9	0.0	198.1	4	
1D	0	-813	250	-525	0	-132	-135	15.1	133.9	21.2	0.0	149.0	1	
1E	0	1098	-1343	550	0	141	187	20.4	153.9	113.9	0.0	198.7	4	
1F	0	1098	250	550	0	141	-135	20.4	140.6	21.2	0.0	161.0	1	
1G	0	1098	-1343	-525	0	-132	187	20.4	147.1	113.9	0.0	198.7	4	
1H	0	1098	250	-525	0	-132	-135	20.4	133.9	21.2	0.0	154.3	1	
1I	0	-1930	-2220	748	0	193	392	35.9	245.1	188.2	0.0	328.5	4	
1J	0	-1930	1127	748	0	193	-340	35.9	231.8	95.5	0.0	267.7	1	

1K	0	-1930	-2220	-723	0	-184	392	35.9	238.3	188.2	0.0	328.5	4
1L	0	-1930	1127	-723	0	-184	-340	35.9	225.0	95.5	0.0	260.9	1
1M	0	2215	-2220	748	0	193	392	41.2	245.1	188.2	0.0	329.2	4
1N	0	2215	1127	748	0	193	-340	41.2	231.8	95.5	0.0	273.0	1
1O	0	2215	-2220	-723	0	-184	392	41.2	238.3	188.2	0.0	329.2	4
1P	0	2215	1127	-723	0	-184	-340	41.2	225.0	95.5	0.0	266.2	1
2	0	-193	-1313	3	0	2	-242	3.6	63.8	111.3	0.0	192.9	4
7	0	-217	-933	-24	0	-5	-206	4.0	56.6	79.1	0.0	137.1	4
8	0	-79	-1113	15	0	5	-162	1.5	45.3	94.4	0.0	163.5	4
1A	25	-813	-1354	550	0	4	-153	15.1	42.2	114.8	0.0	199.4	4
1B	25	-813	240	550	0	4	-71	15.1	21.2	20.6	0.0	57.0	3
1C	25	-813	-1354	-525	0	-1	-153	15.1	40.1	114.8	0.0	199.4	4
1D	25	-813	240	-525	0	-1	-71	15.1	19.1	20.3	0.0	56.0	3
1E	25	1098	-1354	550	0	4	-153	20.4	42.2	114.8	0.0	199.9	4
1F	25	1098	240	550	0	4	-71	20.4	21.2	20.6	0.0	60.1	3
1G	25	1098	-1354	-525	0	-1	-153	20.4	40.1	114.8	0.0	199.9	4
1H	25	1098	240	-525	0	-1	-71	20.4	19.1	20.3	0.0	59.1	3
1I	25	-1930	-2230	748	0	6	-167	35.9	47.2	189.1	0.0	329.5	4
1J	25	-1930	1116	748	0	6	-58	35.9	19.1	94.7	0.0	167.8	4
1K	25	-1930	-2230	-723	0	-3	-167	35.9	45.1	189.1	0.0	329.5	4
1L	25	-1930	1116	-723	0	-3	-58	35.9	17.0	94.7	0.0	167.8	4
1M	25	2215	-2230	748	0	6	-167	41.2	47.2	189.1	0.0	330.1	4
1N	25	2215	1116	748	0	6	-58	41.2	19.1	94.7	0.0	169.1	4
1O	25	2215	-2230	-723	0	-3	-167	41.2	45.1	189.1	0.0	330.1	4
1P	25	2215	1116	-723	0	-3	-58	41.2	17.0	94.7	0.0	169.0	4
2	25	-193	-1326	3	0	1	-572	3.6	148.1	112.5	0.0	219.1	3
7	25	-217	-947	-24	0	1	-441	4.0	114.2	80.3	0.0	162.1	3
8	25	-79	-1127	15	0	1	-442	1.5	114.7	95.6	0.0	179.1	3
1A	50	-813	-1364	550	0	-134	-496	15.1	227.5	115.7	0.0	242.7	1
1B	50	-813	229	550	0	-134	-10	15.1	102.6	20.6	0.0	117.7	1
1C	50	-813	-1364	-525	0	130	-496	15.1	225.0	115.7	0.0	240.1	1
1D	50	-813	229	-525	0	130	-10	15.1	100.0	19.7	0.0	115.1	1
1E	50	1098	-1364	550	0	-134	-496	20.4	227.5	115.7	0.0	248.0	1
1F	50	1098	229	550	0	-134	-10	20.4	102.6	20.6	0.0	123.0	1
1G	50	1098	-1364	-525	0	130	-496	20.4	225.0	115.7	0.0	245.4	1
1H	50	1098	229	-525	0	130	-10	20.4	100.0	19.7	0.0	120.4	1
1I	50	-1930	-2241	748	0	-181	-728	35.9	323.0	190.0	0.0	361.0	3
1J	50	-1930	1106	748	0	-181	222	35.9	192.9	93.8	0.0	228.8	1
1K	50	-1930	-2241	-723	0	178	-728	35.9	320.4	190.0	0.0	360.7	3
1L	50	-1930	1106	-723	0	178	222	35.9	190.4	93.8	0.0	226.2	1
1M	50	2215	-2241	748	0	-181	-728	41.2	323.0	190.0	0.0	364.1	1
1N	50	2215	1106	748	0	-181	222	41.2	192.9	93.8	0.0	234.1	1
1O	50	2215	-2241	-723	0	178	-728	41.2	320.4	190.0	0.0	363.8	3
1P	50	2215	1106	-723	0	178	222	41.2	190.4	93.8	0.0	231.5	1
2	50	-193	-1340	3	0	0	-906	3.6	233.2	113.6	0.0	274.4	3
7	50	-217	-961	-24	0	7	-679	4.0	180.0	81.5	0.0	203.4	3
8	50	-79	-1141	15	0	-2	-725	1.5	188.3	96.7	0.0	224.4	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-813	57	223	11	7	11	1.00	1.00	114.7	
1B	-813	57	85	11	7	11	1.00	1.00	79.4	
1C	-813	53	223	11	7	11	1.00	1.00	112.0	
1D	-813	53	85	11	7	11	1.00	1.00	76.7	
1E	1098	57	223	11	7	11	1.00	1.00	120.0	
1F	1098	57	85	11	7	11	1.00	1.00	84.7	
1G	1098	53	223	11	7	11	1.00	1.00	117.3	
1H	1098	53	85	11	7	11	1.00	1.00	81.9	
1I	-1930	77	291	11	7	11	1.00	1.00	168.5	
1J	-1930	77	136	11	7	11	1.00	1.00	128.6	
1K	-1930	74	291	11	7	11	1.00	1.00	165.8	
1L	-1930	74	136	11	7	11	1.00	1.00	125.9	
1M	2215	77	291	11	7	11	1.00	1.00	173.8	
1N	2215	77	136	11	7	11	1.00	1.00	133.9	
1O	2215	74	291	11	7	11	1.00	1.00	171.1	
1P	2215	74	136	11	7	11	1.00	1.00	131.2	
2	-193	1	640	11	7	11	1.00	1.00	169.3	
7	-217	3	490	11	7	11	1.00	1.00	132.2	
8	-79	2	500	11	7	11	1.00	1.00	131.6	

ASTA NUM. 166 NI 477 NF 478 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	166	-1734	104	0	36	213	3.1	81.8	147.0	0.0	254.7	4	
1B	0	166	-484	104	0	36	11	3.1	30.0	41.0	0.0	71.2	4	
1C	0	166	-1734	-106	0	-40	213	3.1	84.9	147.0	0.0	254.7	4	
1D	0	166	-484	-106	0	-40	11	3.1	33.1	41.0	0.0	71.2	4	
1E	0	532	-1734	104	0	36	213	9.9	81.8	147.0	0.0	254.9	4	
1F	0	532	-484	104	0	36	11	9.9	30.0	41.0	0.0	71.9	4	
1G	0	532	-1734	-106	0	-40	213	9.9	84.9	147.0	0.0	254.9	4	
1H	0	532	-484	-106	0	-40	11	9.9	33.1	41.0	0.0	71.9	4	

1I	0	-55	-2301	153	0	49	238	1.0	97.8	195.1	0.0	338.0	4
1J	0	-55	83	153	0	49	-14	1.0	40.1	7.0	0.0	41.2	1
1K	0	-55	-2301	-154	0	-53	238	1.0	100.9	195.1	0.0	338.0	4
1L	0	-55	83	-154	0	-53	-14	1.0	43.3	7.0	0.0	44.3	1
1M	0	753	-2301	153	0	49	238	14.0	97.8	195.1	0.0	338.3	4
1N	0	753	83	153	0	49	-14	14.0	40.1	7.0	0.0	54.1	1
1O	0	753	-2301	-154	0	-53	238	14.0	100.9	195.1	0.0	338.3	4
1P	0	753	83	-154	0	-53	-14	14.0	43.3	7.0	0.0	57.3	1
2	0	1684	-5187	-42	0	-18	591	31.3	165.3	439.8	0.0	762.4	4
7	0	1278	-3953	-45	0	-18	448	23.8	129.0	335.2	0.0	581.1	4
8	0	1310	-4044	-27	0	-12	457	24.3	126.9	342.9	0.0	594.4	4
1A	25	166	-1744	104	0	10	-223	3.1	65.0	147.9	0.0	256.2	4
1B	25	166	-495	104	0	10	-110	3.1	35.8	41.9	0.0	72.7	4
1C	25	166	-1744	-106	0	-14	-223	3.1	67.9	147.9	0.0	256.2	4
1D	25	166	-495	-106	0	-14	-110	3.1	38.7	41.9	0.0	72.7	4
1E	25	532	-1744	104	0	10	-223	9.9	65.0	147.9	0.0	256.4	4
1F	25	532	-495	104	0	10	-110	9.9	35.8	41.9	0.0	73.7	3
1G	25	532	-1744	-106	0	-14	-223	9.9	67.9	147.9	0.0	256.4	4
1H	25	532	-495	-106	0	-14	-110	9.9	38.7	41.9	0.0	73.7	3
1I	25	-55	-2312	153	0	11	-340	1.0	95.6	196.0	0.0	339.5	4
1J	25	-55	73	153	0	11	7	1.0	9.8	6.2	0.0	14.0	3
1K	25	-55	-2312	-154	0	-15	-340	1.0	98.5	196.0	0.0	339.5	4
1L	25	-55	73	-154	0	-15	7	1.0	12.7	6.2	0.0	14.1	3
1M	25	753	-2312	153	0	11	-340	14.0	95.6	196.0	0.0	339.8	4
1N	25	753	73	153	0	11	7	14.0	9.8	6.2	0.0	23.8	1
1O	25	753	-2312	-154	0	-15	-340	14.0	98.5	196.0	0.0	339.8	4
1P	25	753	73	-154	0	-15	7	14.0	12.7	6.2	0.0	26.7	1
2	25	1684	-5201	-42	0	-7	-707	31.3	187.3	441.0	0.0	764.5	4
7	25	1278	-3966	-45	0	-7	-542	23.8	144.7	336.3	0.0	583.0	4
8	25	1310	-4058	-27	0	-5	-555	24.3	146.9	344.0	0.0	596.4	4
1A	50	166	-1755	104	0	-16	-662	3.1	182.4	148.8	0.0	276.3	3
1B	50	166	-505	104	0	-16	-233	3.1	72.0	42.8	0.0	87.3	3
1C	50	166	-1755	-106	0	12	-662	3.1	179.7	148.8	0.0	276.2	3
1D	50	166	-505	-106	0	12	-233	3.1	69.4	42.8	0.0	87.3	3
1E	50	532	-1755	104	0	-16	-662	9.9	182.4	148.8	0.0	280.2	3
1F	50	532	-505	104	0	-16	-233	9.9	72.0	42.8	0.0	91.9	3
1G	50	532	-1755	-106	0	12	-662	9.9	179.7	148.8	0.0	280.1	3
1H	50	532	-505	-106	0	12	-233	9.9	69.4	42.8	0.0	91.9	3
1I	50	-55	-2322	153	0	-27	-921	1.0	257.4	196.9	0.0	369.8	3
1J	50	-55	62	153	0	-27	25	1.0	27.0	5.7	0.0	28.0	1
1K	50	-55	-2322	-154	0	24	-921	1.0	254.8	196.9	0.0	369.7	3
1L	50	-55	62	-154	0	24	25	1.0	24.3	5.8	0.0	25.4	1
1M	50	753	-2322	153	0	-27	-921	14.0	257.4	196.9	0.0	377.4	3
1N	50	753	62	153	0	-27	25	14.0	27.0	5.7	0.0	41.0	1
1O	50	753	-2322	-154	0	24	-921	14.0	254.8	196.9	0.0	377.4	3
1P	50	753	62	-154	0	24	25	14.0	24.3	5.8	0.0	38.3	1
2	50	1684	-5215	-42	0	4	-2009	31.3	519.6	442.2	0.0	838.4	3
7	50	1278	-3980	-45	0	4	-1535	23.8	398.0	337.5	0.0	640.1	3
8	50	1310	-4071	-27	0	1	-1571	24.3	405.2	345.2	0.0	654.8	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	166	15	312	11	7	11	1.00	1.00	94.9	
1B	166	15	136	11	7	11	1.00	1.00	49.4	
1C	166	19	312	11	7	11	1.00	1.00	97.8	
1D	166	19	136	11	7	11	1.00	1.00	52.3	
1E	532	15	312	11	7	11	1.00	1.00	101.7	
1F	532	15	136	11	7	11	1.00	1.00	56.2	
1G	532	19	312	11	7	11	1.00	1.00	104.6	
1H	532	19	136	11	7	11	1.00	1.00	59.1	
1I	-55	20	457	11	7	11	1.00	1.00	133.3	
1J	-55	20	10	11	7	11	1.00	1.00	18.2	
1K	-55	22	457	11	7	11	1.00	1.00	135.4	
1L	-55	22	10	11	7	11	1.00	1.00	20.3	
1M	753	20	457	11	7	11	1.00	1.00	146.3	
1N	753	20	10	11	7	11	1.00	1.00	31.2	
1O	753	22	457	11	7	11	1.00	1.00	148.4	
1P	753	22	10	11	7	11	1.00	1.00	33.3	
2	1684	9	969	11	7	11	1.00	1.00	287.5	
7	1278	9	742	11	7	11	1.00	1.00	221.6	
8	1310	7	760	11	7	11	1.00	1.00	224.9	

ASTA NUM. 167 NI 517 NF 518 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	171	-1519	150	0	68	272	3.2	121.1	128.8	0.0	223.1	4	
1B	0	171	-495	150	0	68	-58	3.2	66.0	42.0	0.0	72.9	4	
1C	0	171	-1519	-178	0	-80	272	3.2	129.5	128.8	0.0	223.1	4	
1D	0	171	-495	-178	0	-80	-58	3.2	74.4	42.0	0.0	77.5	1	
1E	0	470	-1519	150	0	68	272	8.7	121.1	128.8	0.0	223.3	4	
1F	0	470	-495	150	0	68	-58	8.7	66.0	42.0	0.0	74.7	1	

1G	0	470	-1519	-178	0	-80	272	8.7	129.5	128.8	0.0	223.3	4
1H	0	470	-495	-178	0	-80	-58	8.7	74.4	42.0	0.0	83.1	1
1I	0	248	-1468	161	0	75	191	4.6	105.0	124.4	0.0	215.6	4
1J	0	248	-546	161	0	75	23	4.6	61.7	46.3	0.0	80.5	4
1K	0	248	-1468	-189	0	-86	191	4.6	113.3	124.4	0.0	215.6	4
1L	0	248	-546	-189	0	-86	23	4.6	70.1	46.3	0.0	80.5	4
1M	0	393	-1468	161	0	75	191	7.3	105.0	124.4	0.0	215.7	4
1N	0	393	-546	161	0	75	23	7.3	61.7	46.3	0.0	80.8	4
1O	0	393	-1468	-189	0	-86	191	7.3	113.3	124.4	0.0	215.7	4
1P	0	393	-546	-189	0	-86	23	7.3	70.1	46.3	0.0	80.8	4
2	0	1491	-4625	-96	0	-41	531	27.7	167.0	392.2	0.0	679.8	4
7	0	1182	-3600	-96	0	-41	425	22.0	140.1	305.2	0.0	529.2	4
8	0	1151	-3594	-69	0	-29	407	21.4	126.4	304.7	0.0	528.3	4
1A	25	171	-1530	150	0	31	-128	3.2	56.1	129.7	0.0	224.7	4
1B	25	171	-506	150	0	31	-164	3.2	65.3	42.9	0.0	78.5	3
1C	25	171	-1530	-178	0	-35	-128	3.2	59.2	129.7	0.0	224.7	4
1D	25	171	-506	-178	0	-35	-164	3.2	68.4	42.9	0.0	78.8	3
1E	25	470	-1530	150	0	31	-128	8.7	56.1	129.7	0.0	224.8	4
1F	25	470	-506	150	0	31	-164	8.7	65.3	42.9	0.0	81.6	3
1G	25	470	-1530	-178	0	-35	-128	8.7	59.2	129.7	0.0	224.8	4
1H	25	470	-506	-178	0	-35	-164	8.7	68.4	42.9	0.0	81.9	3
1I	25	248	-1479	161	0	34	-216	4.6	81.1	125.4	0.0	217.2	4
1J	25	248	-557	161	0	34	-76	4.6	45.2	47.3	0.0	82.0	4
1K	25	248	-1479	-189	0	-38	-216	4.6	84.2	125.4	0.0	217.2	4
1L	25	248	-557	-189	0	-38	-76	4.6	48.3	47.3	0.0	82.0	4
1M	25	393	-1479	161	0	34	-216	7.3	81.1	125.4	0.0	217.3	4
1N	25	393	-557	161	0	34	-76	7.3	45.2	47.3	0.0	82.3	4
1O	25	393	-1479	-189	0	-38	-216	7.3	84.2	125.4	0.0	217.3	4
1P	25	393	-557	-189	0	-38	-76	7.3	48.3	47.3	0.0	82.3	4
2	25	1491	-4638	-96	0	-17	-627	27.7	173.7	393.3	0.0	681.8	4
7	25	1182	-3614	-96	0	-17	-477	22.0	135.4	306.4	0.0	531.2	4
8	25	1151	-3608	-69	0	-12	-493	21.4	135.6	305.9	0.0	530.2	4
1A	50	171	-1541	150	0	-7	-531	3.2	141.6	130.6	0.0	236.5	3
1B	50	171	-517	150	0	-7	-273	3.2	75.1	43.9	0.0	94.8	3
1C	50	171	-1541	-178	0	9	-531	3.2	143.8	130.6	0.0	236.6	3
1D	50	171	-517	-178	0	9	-273	3.2	77.3	43.9	0.0	95.0	3
1E	50	470	-1541	150	0	-7	-531	8.7	141.6	130.6	0.0	239.5	3
1F	50	470	-517	150	0	-7	-273	8.7	75.1	43.9	0.0	98.7	3
1G	50	470	-1541	-178	0	9	-531	8.7	143.8	130.6	0.0	239.6	3
1H	50	470	-517	-178	0	9	-273	8.7	77.3	43.9	0.0	99.0	3
1I	50	248	-1490	161	0	-6	-626	4.6	165.7	126.3	0.0	244.4	3
1J	50	248	-568	161	0	-6	-178	4.6	50.5	48.2	0.0	87.5	3
1K	50	248	-1490	-189	0	9	-626	4.6	167.9	126.3	0.0	244.5	3
1L	50	248	-568	-189	0	9	-178	4.6	52.7	48.2	0.0	87.8	3
1M	50	393	-1490	161	0	-6	-626	7.3	165.7	126.3	0.0	246.0	3
1N	50	393	-568	161	0	-6	-178	7.3	50.5	48.2	0.0	88.9	3
1O	50	393	-1490	-189	0	9	-626	7.3	167.9	126.3	0.0	246.1	3
1P	50	393	-568	-189	0	9	-178	7.3	52.7	48.2	0.0	89.2	3
2	50	1491	-4652	-96	0	8	-1788	27.7	465.8	394.4	0.0	747.3	3
7	50	1182	-3627	-96	0	7	-1382	22.0	361.0	307.5	0.0	581.3	3
8	50	1151	-3621	-69	0	6	-1397	21.4	363.8	307.0	0.0	582.3	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	171	38	212	11	7	11	1.00	1.00	86.6	
1B	171	38	187	11	7	11	1.00	1.00	79.9	
1C	171	44	212	11	7	11	1.00	1.00	90.7	
1D	171	44	187	11	7	11	1.00	1.00	84.1	
1E	470	38	212	11	7	11	1.00	1.00	92.1	
1F	470	38	187	11	7	11	1.00	1.00	85.5	
1G	470	44	212	11	7	11	1.00	1.00	96.3	
1H	470	44	187	11	7	11	1.00	1.00	89.6	
1I	248	42	299	11	7	11	1.00	1.00	113.2	
1J	248	42	98	11	7	11	1.00	1.00	61.3	
1K	248	48	299	11	7	11	1.00	1.00	117.3	
1L	248	48	98	11	7	11	1.00	1.00	65.5	
1M	393	42	299	11	7	11	1.00	1.00	115.8	
1N	393	42	98	11	7	11	1.00	1.00	64.0	
1O	393	48	299	11	7	11	1.00	1.00	120.0	
1P	393	48	98	11	7	11	1.00	1.00	68.2	
2	1491	21	860	11	7	11	1.00	1.00	265.1	
7	1182	22	659	11	7	11	1.00	1.00	207.9	
8	1151	15	675	11	7	11	1.00	1.00	206.4	

ASTA NUM. 168 NI 537 NF 538 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-233	-609	115	0	36	192	4.3	76.1	51.6	0.0	93.6	3	
1B	0	-233	588	115	0	36	-142	4.3	63.0	49.8	0.0	86.4	4	
1C	0	-233	-609	-141	0	-43	192	4.3	81.7	51.6	0.0	93.8	3	
1D	0	-233	588	-141	0	-43	-142	4.3	68.6	49.8	0.0	86.4	4	

1E	0	309	-609	115	0	36	192	5.7	76.1	51.6	0.0	94.3	3
1F	0	309	588	115	0	36	-142	5.7	63.0	49.8	0.0	86.5	4
1G	0	309	-609	-141	0	-43	192	5.7	81.7	51.6	0.0	94.6	3
1H	0	309	588	-141	0	-43	-142	5.7	68.6	49.8	0.0	86.5	4
1I	0	-276	-643	112	0	39	165	5.1	71.8	54.5	0.0	94.7	3
1J	0	-276	622	112	0	39	-114	5.1	58.7	52.7	0.0	91.5	4
1K	0	-276	-643	-138	0	-47	165	5.1	77.4	54.5	0.0	94.9	3
1L	0	-276	622	-138	0	-47	-114	5.1	64.3	52.7	0.0	91.5	4
1M	0	352	-643	112	0	39	165	6.5	71.8	54.5	0.0	95.3	3
1N	0	352	622	112	0	39	-114	6.5	58.7	52.7	0.0	91.6	4
1O	0	352	-643	-138	0	-47	165	6.5	77.4	54.5	0.0	95.6	3
1P	0	352	622	-138	0	-47	-114	6.5	64.3	52.7	0.0	91.6	4
2	0	-88	445	-83	0	-26	-13	1.6	22.9	37.7	0.0	65.3	4
7	0	-92	392	-80	0	-26	-16	1.7	23.3	33.2	0.0	57.6	4
8	0	-68	370	-61	0	-19	-11	1.3	17.2	31.4	0.0	54.4	4
1A	25	-233	-619	115	0	7	39	4.3	15.0	52.5	0.0	91.1	4
1B	25	-233	577	115	0	7	4	4.3	6.1	48.9	0.0	84.8	4
1C	25	-233	-619	-141	0	-8	39	4.3	15.7	52.5	0.0	91.1	4
1D	25	-233	577	-141	0	-8	4	4.3	6.8	48.9	0.0	84.9	4
1E	25	309	-619	115	0	7	39	5.7	15.0	52.5	0.0	91.1	4
1F	25	309	577	115	0	7	4	5.7	6.1	48.9	0.0	84.9	4
1G	25	309	-619	-141	0	-8	39	5.7	15.7	52.5	0.0	91.1	4
1H	25	309	577	-141	0	-8	4	5.7	6.8	48.9	0.0	84.9	4
1I	25	-276	-654	112	0	11	2	5.1	9.0	55.4	0.0	96.1	4
1J	25	-276	611	112	0	11	41	5.1	18.9	51.8	0.0	89.9	4
1K	25	-276	-654	-138	0	-12	2	5.1	9.6	55.4	0.0	96.1	4
1L	25	-276	611	-138	0	-12	41	5.1	19.5	51.8	0.0	89.9	4
1M	25	352	-654	112	0	11	2	6.5	9.0	55.4	0.0	96.2	4
1N	25	352	611	112	0	11	41	6.5	18.9	51.8	0.0	90.0	4
1O	25	352	-654	-138	0	-12	2	6.5	9.6	55.4	0.0	96.2	4
1P	25	352	611	-138	0	-12	41	6.5	19.5	51.8	0.0	90.0	4
2	25	-88	431	-83	0	-6	97	1.6	29.1	36.5	0.0	63.3	4
7	25	-92	378	-80	0	-6	80	1.7	24.9	32.1	0.0	55.6	4
8	25	-68	357	-61	0	-4	79	1.3	23.3	30.2	0.0	52.4	4
1A	50	-233	-630	115	0	-22	-118	4.3	46.8	53.4	0.0	92.6	4
1B	50	-233	566	115	0	-22	147	4.3	54.4	48.0	0.0	83.5	3
1C	50	-233	-630	-141	0	28	-118	4.3	51.0	53.4	0.0	92.6	4
1D	50	-233	566	-141	0	28	147	4.3	58.6	48.0	0.0	83.7	3
1E	50	309	-630	115	0	-22	-118	5.7	46.8	53.4	0.0	92.7	4
1F	50	309	566	115	0	-22	147	5.7	54.4	48.0	0.0	84.2	3
1G	50	309	-630	-141	0	28	-118	5.7	51.0	53.4	0.0	92.7	4
1H	50	309	566	-141	0	28	147	5.7	58.6	48.0	0.0	84.4	3
1I	50	-276	-664	112	0	-17	-163	5.1	54.5	56.3	0.0	97.7	4
1J	50	-276	601	112	0	-17	193	5.1	62.1	50.9	0.0	92.9	3
1K	50	-276	-664	-138	0	22	-163	5.1	58.8	56.3	0.0	97.7	4
1L	50	-276	601	-138	0	22	193	5.1	66.4	50.9	0.0	93.1	3
1M	50	352	-664	112	0	-17	-163	6.5	54.5	56.3	0.0	97.8	4
1N	50	352	601	112	0	-17	193	6.5	62.1	50.9	0.0	93.7	3
1O	50	352	-664	-138	0	22	-163	6.5	58.8	56.3	0.0	97.8	4
1P	50	352	601	-138	0	22	193	6.5	66.4	50.9	0.0	93.9	3
2	50	-88	417	-83	0	15	203	1.6	63.4	35.4	0.0	73.1	3
7	50	-92	365	-80	0	14	173	1.7	55.3	30.9	0.0	63.5	3
8	50	-68	343	-61	0	11	167	1.3	51.4	29.1	0.0	60.0	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-233	14	77	11	7	11	1.00	1.00	34.8	
1B	-233	14	59	11	7	11	1.00	1.00	30.1	
1C	-233	17	77	11	7	11	1.00	1.00	37.0	
1D	-233	17	59	11	7	11	1.00	1.00	32.3	
1E	309	14	77	11	7	11	1.00	1.00	36.2	
1F	309	14	59	11	7	11	1.00	1.00	31.5	
1G	309	17	77	11	7	11	1.00	1.00	38.4	
1H	309	17	59	11	7	11	1.00	1.00	33.8	
1I	-276	17	66	11	7	11	1.00	1.00	34.7	
1J	-276	17	77	11	7	11	1.00	1.00	37.6	
1K	-276	19	66	11	7	11	1.00	1.00	36.3	
1L	-276	19	77	11	7	11	1.00	1.00	39.2	
1M	352	17	66	11	7	11	1.00	1.00	36.1	
1N	352	17	77	11	7	11	1.00	1.00	39.0	
1O	352	19	66	11	7	11	1.00	1.00	37.8	
1P	352	19	77	11	7	11	1.00	1.00	40.6	
2	-88	11	117	11	7	11	1.00	1.00	39.5	
7	-92	10	98	11	7	11	1.00	1.00	34.5	
8	-68	8	96	11	7	11	1.00	1.00	31.6	

ASTA NUM. 169 NI 439 NF 421 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-23922	-23	143	0	0	0	444.6	0.0	12.2	0.0	445.1	4	
1B	0	-23922	32	143	0	0	-0	444.6	0.0	12.2	0.0	445.1	4	
1C	0	-23922	-23	-309	0	-0	0	444.6	0.0	26.2	0.0	447.0	4	
1D	0	-23922	32	-309	0	-0	-0	444.6	0.0	26.2	0.0	447.0	4	
1E	0	14596	-23	143	0	0	0	271.3	0.0	12.2	0.0	272.1	4	

1F	0	14596	32	143	0	0	-0	271.3	0.0	12.2	0.0	272.1	4
1G	0	14596	-23	-309	0	-0	0	271.3	0.0	26.2	0.0	275.1	4
1H	0	14596	32	-309	0	-0	-0	271.3	0.0	26.2	0.0	275.1	4
1I	0	-37677	-10	305	0	0	0	700.3	0.0	25.9	0.0	701.7	4
1J	0	-37677	19	305	0	0	-0	700.3	0.0	25.9	0.0	701.7	4
1K	0	-37677	-10	-471	0	-0	0	700.3	0.0	39.9	0.0	703.7	4
1L	0	-37677	19	-471	0	-0	-0	700.3	0.0	39.9	0.0	703.7	4
1M	0	28351	-10	305	0	0	0	527.0	0.0	25.9	0.0	528.9	4
1N	0	28351	19	305	0	0	-0	527.0	0.0	25.9	0.0	528.9	4
1O	0	28351	-10	-471	0	-0	0	527.0	0.0	39.9	0.0	531.5	4
1P	0	28351	19	-471	0	-0	-0	527.0	0.0	39.9	0.0	531.5	4
2	0	-18470	11	1	0	0	0	343.3	0.0	0.4	0.0	343.3	3
7	0	-17880	10	6	0	0	0	332.3	0.0	0.5	0.0	332.3	3
8	0	-14980	9	-28	0	0	0	278.4	0.0	2.4	0.0	278.5	4
1A	55	-23898	-23	143	0	-79	-13	444.2	30.1	12.2	0.0	474.3	1
1B	55	-23898	32	143	0	-79	18	444.2	33.7	12.2	0.0	477.9	1
1C	55	-23898	-23	-309	0	171	-13	444.2	53.8	26.2	0.0	498.0	1
1D	55	-23898	32	-309	0	171	18	444.2	57.3	26.2	0.0	501.6	1
1E	55	14620	-23	143	0	-79	-13	271.7	30.1	12.2	0.0	301.9	1
1F	55	14620	32	143	0	-79	18	271.7	33.7	12.2	0.0	305.4	1
1G	55	14620	-23	-309	0	171	-13	271.7	53.8	26.2	0.0	325.5	1
1H	55	14620	32	-309	0	171	18	271.7	57.3	26.2	0.0	329.1	1
1I	55	-37654	-10	305	0	-169	-6	699.9	47.6	25.9	0.0	747.5	1
1J	55	-37654	19	305	0	-169	10	699.9	51.2	25.9	0.0	751.1	1
1K	55	-37654	-10	-471	0	261	-6	699.9	71.3	39.9	0.0	771.1	1
1L	55	-37654	19	-471	0	261	10	699.9	74.8	39.9	0.0	774.7	1
1M	55	28374	-10	305	0	-169	-6	527.4	47.6	25.9	0.0	575.0	1
1N	55	28374	19	305	0	-169	10	527.4	51.2	25.9	0.0	578.6	1
1O	55	28374	-10	-471	0	261	-6	527.4	71.3	39.9	0.0	598.7	1
1P	55	28374	19	-471	0	261	10	527.4	74.8	39.9	0.0	602.2	1
2	55	-18440	11	1	0	-1	6	342.8	4.8	0.4	0.0	347.5	1
7	55	-17850	10	6	0	-3	5	331.8	5.0	0.5	0.0	336.8	1
8	55	-14950	9	-28	0	16	5	277.9	7.9	2.4	0.0	285.8	1
1A	111	-23875	-23	143	0	-159	-26	443.8	60.3	12.2	0.0	504.0	1
1B	111	-23875	32	143	0	-159	36	443.8	67.4	12.2	0.0	511.2	1
1C	111	-23875	-23	-309	0	342	-26	443.8	107.5	26.2	0.0	551.3	1
1D	111	-23875	32	-309	0	342	36	443.8	114.7	26.2	0.0	558.5	1
1E	111	14643	-23	143	0	-159	-26	272.2	60.3	12.2	0.0	332.4	1
1F	111	14643	32	143	0	-159	36	272.2	67.4	12.2	0.0	339.6	1
1G	111	14643	-23	-309	0	342	-26	272.2	107.5	26.2	0.0	379.7	1
1H	111	14643	32	-309	0	342	36	272.2	114.7	26.2	0.0	386.9	1
1I	111	-37630	-10	305	0	-338	-11	699.4	95.2	25.9	0.0	794.7	1
1J	111	-37630	19	305	0	-338	21	699.4	102.4	25.9	0.0	801.8	1
1K	111	-37630	-10	-471	0	521	-11	699.4	142.5	39.9	0.0	841.9	1
1L	111	-37630	19	-471	0	521	21	699.4	149.6	39.9	0.0	849.1	1
1M	111	28398	-10	305	0	-338	-11	527.8	95.2	25.9	0.0	623.1	1
1N	111	28398	19	305	0	-338	21	527.8	102.4	25.9	0.0	630.2	1
1O	111	28398	-10	-471	0	521	-11	527.8	142.5	39.9	0.0	670.3	1
1P	111	28398	19	-471	0	521	21	527.8	149.6	39.9	0.0	677.5	1
2	111	-18410	11	1	0	-1	12	342.2	9.6	0.4	0.0	351.8	1
7	111	-17820	10	6	0	-7	11	331.2	9.9	0.5	0.0	341.2	1
8	111	-14920	9	-28	0	31	10	277.3	15.8	2.4	0.0	293.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-23922	95	16	23	23	14	1.03	1.00	494.4	
1B	-23922	95	21	23	23	14	1.03	1.00	498.7	
1C	-23922	205	16	23	23	14	1.03	1.00	522.9	
1D	-23922	205	21	23	23	14	1.03	1.00	527.2	
1E	14643	95	16	23	23	14	1.00	1.00	308.3	
1F	14643	95	21	23	23	14	1.00	1.00	312.6	
1G	14643	205	16	23	23	14	1.00	1.00	336.7	
1H	14643	205	21	23	23	14	1.00	1.00	341.0	
1I	-37677	203	7	23	23	14	1.03	1.00	778.9	
1J	-37677	203	12	23	23	14	1.03	1.00	783.3	
1K	-37677	313	7	23	23	14	1.03	1.00	807.5	
1L	-37677	313	12	23	23	14	1.03	1.00	811.8	
1M	28398	203	7	23	23	14	1.00	1.00	585.0	
1N	28398	203	12	23	23	14	1.00	1.00	589.3	
1O	28398	313	7	23	23	14	1.00	1.00	613.3	
1P	28398	313	12	23	23	14	1.00	1.00	617.6	
2	-18470	1	7	23	23	14	1.03	1.00	359.4	
7	-17880	4	7	23	23	14	1.03	1.00	348.3	
8	-14980	19	6	23	23	14	1.03	1.00	296.3	

ASTA NUM. 170 NI 479 NF 461 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12846	-24	265	0	0	0	238.8	0.0	22.5	0.0	241.9	4	
1B	0	-12846	29	265	0	0	-0	238.8	0.0	22.5	0.0	241.9	4	
1C	0	-12846	-24	-360	0	-0	0	238.8	0.0	30.6	0.0	244.6	4	
1D	0	-12846	29	-360	0	-0	-0	238.8	0.0	30.6	0.0	244.6	4	
1E	0	12074	-24	265	0	0	0	224.4	0.0	22.5	0.0	227.8	4	
1F	0	12074	29	265	0	0	-0	224.4	0.0	22.5	0.0	227.8	4	

1G	0	12074	-24	-360	0	-0	0	224.4	0.0	30.6	0.0	230.6	4
1H	0	12074	29	-360	0	-0	-0	224.4	0.0	30.6	0.0	230.6	4
1I	0	-19185	-12	272	0	0	0	356.6	0.0	23.1	0.0	358.8	4
1J	0	-19185	17	272	0	0	-0	356.6	0.0	23.1	0.0	358.8	4
1K	0	-19185	-12	-367	0	-0	0	356.6	0.0	31.1	0.0	360.6	4
1L	0	-19185	17	-367	0	-0	-0	356.6	0.0	31.1	0.0	360.6	4
1M	0	18412	-12	272	0	0	0	342.2	0.0	23.1	0.0	344.6	4
1N	0	18412	17	272	0	0	-0	342.2	0.0	23.1	0.0	344.6	4
1O	0	18412	-12	-367	0	-0	0	342.2	0.0	31.1	0.0	346.5	4
1P	0	18412	17	-367	0	-0	-0	342.2	0.0	31.1	0.0	346.5	4
2	0	-5313	8	-19	0	0	0	98.8	0.0	1.6	0.0	98.8	4
7	0	-5925	7	-3	0	0	0	110.1	0.0	0.3	0.0	110.1	3
8	0	-4242	7	-27	0	0	0	78.8	0.0	2.3	0.0	78.9	4
1A	55	-12823	-24	265	0	-147	-13	238.3	47.7	22.5	0.0	286.1	1
1B	55	-12823	29	265	0	-147	16	238.3	49.8	22.5	0.0	288.1	1
1C	55	-12823	-24	-360	0	199	-13	238.3	61.2	30.6	0.0	299.6	1
1D	55	-12823	29	-360	0	199	16	238.3	63.3	30.6	0.0	301.6	1
1E	55	12097	-24	265	0	-147	-13	224.9	47.7	22.5	0.0	272.6	1
1F	55	12097	29	265	0	-147	16	224.9	49.8	22.5	0.0	274.6	1
1G	55	12097	-24	-360	0	199	-13	224.9	61.2	30.6	0.0	286.1	1
1H	55	12097	29	-360	0	199	16	224.9	63.3	30.6	0.0	288.1	1
1I	55	-19161	-12	272	0	-150	-7	356.2	43.8	23.1	0.0	400.0	1
1J	55	-19161	17	272	0	-150	10	356.2	45.9	23.1	0.0	402.1	1
1K	55	-19161	-12	-367	0	203	-7	356.2	57.4	31.1	0.0	413.5	1
1L	55	-19161	17	-367	0	203	10	356.2	59.4	31.1	0.0	415.6	1
1M	55	18436	-12	272	0	-150	-7	342.7	43.8	23.1	0.0	386.5	1
1N	55	18436	17	272	0	-150	10	342.7	45.9	23.1	0.0	388.6	1
1O	55	18436	-12	-367	0	203	-7	342.7	57.4	31.1	0.0	400.0	1
1P	55	18436	17	-367	0	203	10	342.7	59.4	31.1	0.0	402.1	1
2	55	-5282	8	-19	0	10	4	98.2	6.0	1.6	0.0	104.2	1
7	55	-5895	7	-3	0	2	4	109.6	3.3	0.3	0.0	112.9	1
8	55	-4212	7	-27	0	15	4	78.3	6.6	2.3	0.0	84.9	1
1A	111	-12800	-24	265	0	-294	-26	237.9	95.4	22.5	0.0	333.3	1
1B	111	-12800	29	265	0	-294	32	237.9	99.5	22.5	0.0	337.4	1
1C	111	-12800	-24	-360	0	399	-26	237.9	122.5	30.6	0.0	360.4	1
1D	111	-12800	29	-360	0	399	32	237.9	126.6	30.6	0.0	364.5	1
1E	111	12120	-24	265	0	-294	-26	225.3	95.4	22.5	0.0	320.7	1
1F	111	12120	29	265	0	-294	32	225.3	99.5	22.5	0.0	324.8	1
1G	111	12120	-24	-360	0	399	-26	225.3	122.5	30.6	0.0	347.8	1
1H	111	12120	29	-360	0	399	32	225.3	126.6	30.6	0.0	351.9	1
1I	111	-19138	-12	272	0	-301	-14	355.7	87.7	23.1	0.0	443.4	1
1J	111	-19138	17	272	0	-301	19	355.7	91.8	23.1	0.0	447.5	1
1K	111	-19138	-12	-367	0	406	-14	355.7	114.7	31.1	0.0	470.5	1
1L	111	-19138	17	-367	0	406	19	355.7	118.8	31.1	0.0	474.6	1
1M	111	18459	-12	272	0	-301	-14	343.1	87.7	23.1	0.0	430.8	1
1N	111	18459	17	272	0	-301	19	343.1	91.8	23.1	0.0	434.9	1
1O	111	18459	-12	-367	0	406	-14	343.1	114.7	31.1	0.0	457.8	1
1P	111	18459	17	-367	0	406	19	343.1	118.8	31.1	0.0	461.9	1
2	111	-5252	8	-19	0	21	9	97.6	12.1	1.6	0.0	109.7	1
7	111	-5865	7	-3	0	4	8	109.0	6.6	0.3	0.0	115.7	1
8	111	-4181	7	-27	0	30	7	77.7	13.2	2.3	0.0	90.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12846	176	16	23	23	14	1.03	1.00	303.4	
1B	-12846	176	19	23	23	14	1.03	1.00	305.8	
1C	-12846	239	16	23	23	14	1.03	1.00	319.6	
1D	-12846	239	19	23	23	14	1.03	1.00	322.1	
1E	12120	176	16	23	23	14	1.00	1.00	282.5	
1F	12120	176	19	23	23	14	1.00	1.00	285.0	
1G	12120	239	16	23	23	14	1.00	1.00	298.8	
1H	12120	239	19	23	23	14	1.00	1.00	301.2	
1I	-19185	181	8	23	23	14	1.03	1.00	420.1	
1J	-19185	181	11	23	23	14	1.03	1.00	422.6	
1K	-19185	244	8	23	23	14	1.03	1.00	436.4	
1L	-19185	244	11	23	23	14	1.03	1.00	438.9	
1M	18459	181	8	23	23	14	1.00	1.00	395.7	
1N	18459	181	11	23	23	14	1.00	1.00	398.2	
1O	18459	244	8	23	23	14	1.00	1.00	411.9	
1P	18459	244	11	23	23	14	1.00	1.00	414.4	
2	-5313	13	5	23	23	14	1.03	1.00	109.0	
7	-5925	2	5	23	23	14	1.03	1.00	117.4	
8	-4242	18	4	23	23	14	1.03	1.00	89.1	

ASTA NUM. 171 NI 519 NF 501 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13386	-31	198	0	0	0	248.8	0.0	16.8	0.0	250.5	4	
1B	0	-13386	25	198	0	0	-0	248.8	0.0	16.8	0.0	250.5	4	
1C	0	-13386	-31	-237	0	-0	0	248.8	0.0	20.1	0.0	251.2	4	
1D	0	-13386	25	-237	0	-0	-0	248.8	0.0	20.1	0.0	251.2	4	
1E	0	13948	-31	198	0	0	0	259.3	0.0	16.8	0.0	260.9	4	
1F	0	13948	25	198	0	0	-0	259.3	0.0	16.8	0.0	260.9	4	
1G	0	13948	-31	-237	0	-0	0	259.3	0.0	20.1	0.0	261.6	4	

1H	0	13948	25	-237	0	-0	-0	259.3	0.0	20.1	0.0	261.6	4
1I	0	-11908	-18	109	0	0	0	221.3	0.0	9.2	0.0	221.9	4
1J	0	-11908	11	109	0	0	-0	221.3	0.0	9.2	0.0	221.9	4
1K	0	-11908	-18	-149	0	-0	0	221.3	0.0	12.6	0.0	222.4	4
1L	0	-11908	11	-149	0	-0	-0	221.3	0.0	12.6	0.0	222.4	4
1M	0	12470	-18	109	0	0	0	231.8	0.0	9.2	0.0	232.3	4
1N	0	12470	11	109	0	0	-0	231.8	0.0	9.2	0.0	232.3	4
1O	0	12470	-18	-149	0	-0	0	231.8	0.0	12.6	0.0	232.8	4
1P	0	12470	11	-149	0	-0	-0	231.8	0.0	12.6	0.0	232.8	4
2	0	-2314	-15	-3	0	0	0	43.0	0.0	0.6	0.0	43.0	3
7	0	-2695	-11	2	0	0	0	50.1	0.0	0.4	0.0	50.1	3
8	0	-2099	-13	-2	0	0	0	39.0	0.0	0.5	0.0	39.0	3
1A	55	-13362	-31	198	0	-109	-17	248.4	41.1	16.8	0.0	289.5	1
1B	55	-13362	25	198	0	-109	14	248.4	38.5	16.8	0.0	286.8	1
1C	55	-13362	-31	-237	0	131	-17	248.4	46.8	20.1	0.0	295.2	1
1D	55	-13362	25	-237	0	131	14	248.4	44.1	20.1	0.0	292.5	1
1E	55	13971	-31	198	0	-109	-17	259.7	41.1	16.8	0.0	300.8	1
1F	55	13971	25	198	0	-109	14	259.7	38.5	16.8	0.0	298.2	1
1G	55	13971	-31	-237	0	131	-17	259.7	46.8	20.1	0.0	306.5	1
1H	55	13971	25	-237	0	131	14	259.7	44.1	20.1	0.0	303.8	1
1I	55	-11884	-18	109	0	-60	-10	220.9	22.8	9.2	0.0	243.7	1
1J	55	-11884	11	109	0	-60	6	220.9	20.2	9.2	0.0	241.1	1
1K	55	-11884	-18	-149	0	82	-10	220.9	28.5	12.6	0.0	249.4	1
1L	55	-11884	11	-149	0	82	6	220.9	25.8	12.6	0.0	246.7	1
1M	55	12494	-18	109	0	-60	-10	232.2	22.8	9.2	0.0	255.1	1
1N	55	12494	11	109	0	-60	6	232.2	20.2	9.2	0.0	252.4	1
1O	55	12494	-18	-149	0	82	-10	232.2	28.5	12.6	0.0	260.7	1
1P	55	12494	11	-149	0	82	6	232.2	25.8	12.6	0.0	258.0	1
2	55	-2284	-15	-3	0	2	-8	42.4	6.6	0.6	0.0	49.0	1
7	55	-2664	-11	2	0	-1	-6	49.5	4.8	0.4	0.0	54.3	1
8	55	-2068	-13	-2	0	1	-7	38.4	5.7	0.5	0.0	44.2	1
1A	111	-13339	-31	198	0	-219	-35	247.9	82.3	16.8	0.0	330.2	1
1B	111	-13339	25	198	0	-219	28	247.9	77.0	16.8	0.0	324.9	1
1C	111	-13339	-31	-237	0	262	-35	247.9	93.6	20.1	0.0	341.5	1
1D	111	-13339	25	-237	0	262	28	247.9	88.2	20.1	0.0	336.2	1
1E	111	13995	-31	198	0	-219	-35	260.1	82.3	16.8	0.0	342.4	1
1F	111	13995	25	198	0	-219	28	260.1	77.0	16.8	0.0	337.1	1
1G	111	13995	-31	-237	0	262	-35	260.1	93.6	20.1	0.0	353.7	1
1H	111	13995	25	-237	0	262	28	260.1	88.2	20.1	0.0	348.4	1
1I	111	-11861	-18	109	0	-121	-20	220.5	45.7	9.2	0.0	266.1	1
1J	111	-11861	11	109	0	-121	12	220.5	40.3	9.2	0.0	260.8	1
1K	111	-11861	-18	-149	0	164	-20	220.5	56.9	12.6	0.0	277.4	1
1L	111	-11861	11	-149	0	164	12	220.5	51.6	12.6	0.0	272.1	1
1M	111	12517	-18	109	0	-121	-20	232.7	45.7	9.2	0.0	278.3	1
1N	111	12517	11	109	0	-121	12	232.7	40.3	9.2	0.0	273.0	1
1O	111	12517	-18	-149	0	164	-20	232.7	56.9	12.6	0.0	289.6	1
1P	111	12517	11	-149	0	164	12	232.7	51.6	12.6	0.0	284.3	1
2	111	-2253	-15	-3	0	3	-17	41.9	13.2	0.6	0.0	55.1	1
7	111	-2634	-11	2	0	-2	-12	49.0	9.6	0.4	0.0	58.6	1
8	111	-2038	-13	-2	0	2	-15	37.9	11.4	0.5	0.0	49.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13386	131	21	23	23	14	1.03	1.00	305.8	
1B	-13386	131	17	23	23	14	1.03	1.00	302.6	
1C	-13386	157	21	23	23	14	1.03	1.00	312.6	
1D	-13386	157	17	23	23	14	1.03	1.00	309.4	
1E	13995	131	21	23	23	14	1.00	1.00	309.5	
1F	13995	131	17	23	23	14	1.00	1.00	306.3	
1G	13995	157	21	23	23	14	1.00	1.00	316.3	
1H	13995	157	17	23	23	14	1.00	1.00	313.1	
1I	-11908	72	12	23	23	14	1.03	1.00	255.5	
1J	-11908	72	7	23	23	14	1.03	1.00	252.2	
1K	-11908	99	12	23	23	14	1.03	1.00	262.2	
1L	-11908	99	7	23	23	14	1.03	1.00	259.0	
1M	12517	72	12	23	23	14	1.00	1.00	260.1	
1N	12517	72	7	23	23	14	1.00	1.00	256.8	
1O	12517	99	12	23	23	14	1.00	1.00	266.8	
1P	12517	99	7	23	23	14	1.00	1.00	263.6	
2	-2314	2	10	23	23	14	1.03	1.00	52.2	
7	-2695	1	7	23	23	14	1.03	1.00	57.4	
8	-2099	1	9	23	23	14	1.03	1.00	47.0	

ASTA NUM. 172 NI 539 NF 521 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10980	-30	222	0	0	0	204.1	0.0	18.9	0.0	206.7	4	
1B	0	-10980	24	222	0	0	-0	204.1	0.0	18.9	0.0	206.7	4	
1C	0	-10980	-30	-252	0	-0	0	204.1	0.0	21.3	0.0	207.4	4	
1D	0	-10980	24	-252	0	-0	-0	204.1	0.0	21.3	0.0	207.4	4	
1E	0	9969	-30	222	0	0	0	185.3	0.0	18.9	0.0	188.2	4	
1F	0	9969	24	222	0	0	-0	185.3	0.0	18.9	0.0	188.2	4	
1G	0	9969	-30	-252	0	-0	0	185.3	0.0	21.3	0.0	188.9	4	
1H	0	9969	24	-252	0	-0	-0	185.3	0.0	21.3	0.0	188.9	4	

1I	0	-5731	-17	118	0	0	0	106.5	0.0	10.0	0.0	107.9	4
1J	0	-5731	11	118	0	0	-0	106.5	0.0	10.0	0.0	107.9	4
1K	0	-5731	-17	-147	0	-0	0	106.5	0.0	12.5	0.0	108.7	4
1L	0	-5731	11	-147	0	-0	-0	106.5	0.0	12.5	0.0	108.7	4
1M	0	4720	-17	118	0	0	0	87.7	0.0	10.0	0.0	89.4	4
1N	0	4720	11	118	0	0	-0	87.7	0.0	10.0	0.0	89.4	4
1O	0	4720	-17	-147	0	-0	0	87.7	0.0	12.5	0.0	90.4	4
1P	0	4720	11	-147	0	-0	-0	87.7	0.0	12.5	0.0	90.4	4
2	0	-6556	-16	-53	0	0	0	121.9	0.0	4.5	0.0	122.1	4
7	0	-5208	-11	-33	0	0	0	96.8	0.0	2.8	0.0	96.9	4
8	0	-6138	-14	-58	0	0	0	114.1	0.0	4.9	0.0	114.4	4
1A	55	-10957	-30	222	0	-123	-17	203.7	44.1	18.9	0.0	247.8	1
1B	55	-10957	24	222	0	-123	13	203.7	41.4	18.9	0.0	245.1	1
1C	55	-10957	-30	-252	0	139	-17	203.7	48.3	21.3	0.0	252.0	1
1D	55	-10957	24	-252	0	139	13	203.7	45.6	21.3	0.0	249.3	1
1E	55	9992	-30	222	0	-123	-17	185.7	44.1	18.9	0.0	229.9	1
1F	55	9992	24	222	0	-123	13	185.7	41.4	18.9	0.0	227.2	1
1G	55	9992	-30	-252	0	139	-17	185.7	48.3	21.3	0.0	234.0	1
1H	55	9992	24	-252	0	139	13	185.7	45.6	21.3	0.0	231.3	1
1I	55	-5708	-17	118	0	-65	-10	106.1	24.1	10.0	0.0	130.1	1
1J	55	-5708	11	118	0	-65	6	106.1	21.3	10.0	0.0	127.4	1
1K	55	-5708	-17	-147	0	82	-10	106.1	28.2	12.5	0.0	134.3	1
1L	55	-5708	11	-147	0	82	6	106.1	25.5	12.5	0.0	131.6	1
1M	55	4743	-17	118	0	-65	-10	88.2	24.1	10.0	0.0	112.2	1
1N	55	4743	11	118	0	-65	6	88.2	21.3	10.0	0.0	109.5	1
1O	55	4743	-17	-147	0	82	-10	88.2	28.2	12.5	0.0	116.4	1
1P	55	4743	11	-147	0	82	6	88.2	25.5	12.5	0.0	113.7	1
2	55	-6526	-16	11	0	11	-9	121.3	9.5	1.0	0.0	130.8	1
7	55	-5178	-11	12	0	6	-6	96.2	6.2	1.0	0.0	102.4	1
8	55	-6108	-14	6	0	14	-8	113.5	9.4	0.5	0.0	122.9	1
1A	111	-10934	-30	222	0	-246	-33	203.2	88.3	18.9	0.0	291.5	1
1B	111	-10934	24	222	0	-246	26	203.2	82.9	18.9	0.0	286.1	1
1C	111	-10934	-30	-252	0	278	-33	203.2	96.6	21.3	0.0	299.8	1
1D	111	-10934	24	-252	0	278	26	203.2	91.2	21.3	0.0	294.4	1
1E	111	10016	-30	222	0	-246	-33	186.2	88.3	18.9	0.0	274.4	1
1F	111	10016	24	222	0	-246	26	186.2	82.9	18.9	0.0	269.0	1
1G	111	10016	-30	-252	0	278	-33	186.2	96.6	21.3	0.0	282.8	1
1H	111	10016	24	-252	0	278	26	186.2	91.2	21.3	0.0	277.4	1
1I	111	-5684	-17	118	0	-131	-19	105.7	48.1	10.0	0.0	153.8	1
1J	111	-5684	11	118	0	-131	12	105.7	42.7	10.0	0.0	148.4	1
1K	111	-5684	-17	-147	0	163	-19	105.7	56.5	12.5	0.0	162.1	1
1L	111	-5684	11	-147	0	163	12	105.7	51.1	12.5	0.0	156.7	1
1M	111	4766	-17	118	0	-131	-19	88.6	48.1	10.0	0.0	136.7	1
1N	111	4766	11	118	0	-131	12	88.6	42.7	10.0	0.0	131.3	1
1O	111	4766	-17	-147	0	163	-19	88.6	56.5	12.5	0.0	145.0	1
1P	111	4766	11	-147	0	163	12	88.6	51.1	12.5	0.0	139.6	1
2	111	-6495	-16	75	0	-12	-17	120.7	16.2	6.4	0.0	137.0	1
7	111	-5147	-11	57	0	-13	-13	95.7	12.9	4.8	0.0	108.6	1
8	111	-6077	-14	70	0	-7	-15	113.0	13.1	5.9	0.0	126.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10980	148	20	23	23	14	1.03	1.00	263.3	
1B	-10980	148	16	23	23	14	1.03	1.00	260.1	
1C	-10980	167	20	23	23	14	1.03	1.00	268.4	
1D	-10980	167	16	23	23	14	1.03	1.00	265.1	
1E	10016	148	20	23	23	14	1.00	1.00	239.1	
1F	10016	148	16	23	23	14	1.00	1.00	235.9	
1G	10016	167	20	23	23	14	1.00	1.00	244.1	
1H	10016	167	16	23	23	14	1.00	1.00	240.9	
1I	-5731	78	12	23	23	14	1.03	1.00	138.6	
1J	-5731	78	7	23	23	14	1.03	1.00	135.4	
1K	-5731	98	12	23	23	14	1.03	1.00	143.6	
1L	-5731	98	7	23	23	14	1.03	1.00	140.4	
1M	4766	78	12	23	23	14	1.00	1.00	117.5	
1N	4766	78	7	23	23	14	1.00	1.00	114.2	
1O	4766	98	12	23	23	14	1.00	1.00	122.5	
1P	4766	98	7	23	23	14	1.00	1.00	119.2	
2	-6556	7	10	23	23	14	1.03	1.00	135.3	
7	-5208	8	8	23	23	14	1.03	1.00	107.5	
8	-6138	4	9	23	23	14	1.03	1.00	125.4	

ASTA NUM. 173 NI 440 NF 429 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-19743	-21	141	0	2	2	367.0	2.4	12.0	0.0	369.4	1	
1B	0	-19743	26	141	0	2	-0	367.0	0.7	12.0	0.0	368.0	3	
1C	0	-19743	-21	-299	0	-2	2	367.0	2.3	25.4	0.0	369.7	4	
1D	0	-19743	26	-299	0	-2	-0	367.0	0.6	25.4	0.0	369.6	4	
1E	0	6971	-21	141	0	2	2	129.6	2.4	12.0	0.0	132.0	1	
1F	0	6971	26	141	0	2	-0	129.6	0.7	12.0	0.0	131.4	3	
1G	0	6971	-21	-299	0	-2	2	129.6	2.3	25.4	0.0	136.9	4	
1H	0	6971	26	-299	0	-2	-0	129.6	0.6	25.4	0.0	136.8	4	
1I	0	-31059	-27	291	0	2	2	577.3	2.2	24.7	0.0	579.5	1	

1J	0	-31059	33	291	0	2	0	577.3	0.6	24.7	0.0	579.0	3
1K	0	-31059	-27	-449	0	-1	2	577.3	2.0	38.0	0.0	581.1	4
1L	0	-31059	33	-449	0	-1	0	577.3	0.4	38.0	0.0	581.1	4
1M	0	18287	-27	291	0	2	2	339.9	2.2	24.7	0.0	342.6	4
1N	0	18287	33	291	0	2	0	339.9	0.6	24.7	0.0	342.6	4
1O	0	18287	-27	-449	0	-1	2	339.9	2.0	38.0	0.0	346.3	4
1P	0	18287	33	-449	0	-1	0	339.9	0.4	38.0	0.0	346.2	4
2	0	-1784	-5	1	0	-0	1	33.2	1.2	0.2	0.0	34.4	1
7	0	-1321	-5	5	0	-0	2	24.6	1.3	0.5	0.0	25.8	1
8	0	-3534	-3	-27	0	-0	2	65.7	1.2	2.3	0.0	66.9	1
1A	55	-19720	-21	141	0	-76	16	366.5	31.9	12.0	0.0	398.4	1
1B	55	-19720	26	141	0	-76	-11	366.5	27.8	12.0	0.0	394.4	1
1C	55	-19720	-21	-299	0	164	16	366.5	54.5	25.4	0.0	421.0	1
1D	55	-19720	26	-299	0	164	-11	366.5	50.4	25.4	0.0	416.9	1
1E	55	6994	-21	141	0	-76	16	130.0	31.9	12.0	0.0	161.9	1
1F	55	6994	26	141	0	-76	-11	130.0	27.8	12.0	0.0	157.8	1
1G	55	6994	-21	-299	0	164	16	130.0	54.5	25.4	0.0	184.5	1
1H	55	6994	26	-299	0	164	-11	130.0	50.4	25.4	0.0	180.4	1
1I	55	-31036	-27	291	0	250	-13	576.9	73.9	24.7	0.0	650.8	1
1J	55	-31036	33	291	0	250	18	576.9	78.0	24.7	0.0	654.9	1
1K	55	-31036	-27	-449	0	-162	-13	576.9	51.3	38.0	0.0	628.2	1
1L	55	-31036	33	-449	0	-162	18	576.9	55.4	38.0	0.0	632.3	1
1M	55	18310	-27	291	0	250	-13	340.3	73.9	24.7	0.0	414.3	1
1N	55	18310	33	291	0	250	18	340.3	78.0	24.7	0.0	418.3	1
1O	55	18310	-27	-449	0	-162	-13	340.3	51.3	38.0	0.0	391.7	1
1P	55	18310	33	-449	0	-162	18	340.3	55.4	38.0	0.0	395.7	1
2	55	-1754	-5	1	0	-1	-1	32.6	1.2	0.2	0.0	33.8	1
7	55	-1290	-5	5	0	-3	-1	24.0	1.8	0.5	0.0	25.8	1
8	55	-3504	-3	-27	0	15	0	65.1	3.8	2.3	0.0	69.0	1
1A	111	-19697	-21	141	0	-155	30	366.1	62.6	12.0	0.0	428.7	1
1B	111	-19697	26	141	0	-155	-22	366.1	56.2	12.0	0.0	422.3	1
1C	111	-19697	-21	-299	0	330	30	366.1	107.6	25.4	0.0	473.7	1
1D	111	-19697	26	-299	0	330	-22	366.1	101.3	25.4	0.0	467.4	1
1E	111	7017	-21	141	0	-155	30	130.4	62.6	12.0	0.0	193.0	1
1F	111	7017	26	141	0	-155	-22	130.4	56.2	12.0	0.0	186.6	1
1G	111	7017	-21	-299	0	330	30	130.4	107.6	25.4	0.0	238.1	1
1H	111	7017	26	-299	0	330	-22	130.4	101.3	25.4	0.0	231.7	1
1I	111	-31013	-27	291	0	497	-28	576.5	149.0	24.7	0.0	725.5	1
1J	111	-31013	33	291	0	497	37	576.5	155.4	24.7	0.0	731.8	1
1K	111	-31013	-27	-449	0	-322	-28	576.5	104.0	38.0	0.0	680.4	1
1L	111	-31013	33	-449	0	-322	37	576.5	110.3	38.0	0.0	686.8	1
1M	111	18333	-27	291	0	497	-28	340.8	149.0	24.7	0.0	489.8	1
1N	111	18333	33	291	0	497	37	340.8	155.4	24.7	0.0	496.2	1
1O	111	18333	-27	-449	0	-322	-28	340.8	104.0	38.0	0.0	444.7	1
1P	111	18333	33	-449	0	-322	37	340.8	110.3	38.0	0.0	451.1	1
2	111	-1723	-5	1	0	-1	-4	32.0	3.4	0.2	0.0	35.4	1
7	111	-1260	-5	5	0	-6	-4	23.4	4.8	0.5	0.0	28.2	1
8	111	-3473	-3	-27	0	30	-1	64.6	8.7	2.3	0.0	73.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-19743	92	19	23	23	14	1.03	1.00	416.2	
1B	-19743	92	13	23	23	14	1.03	1.00	411.6	
1C	-19743	197	19	23	23	14	1.03	1.00	443.4	
1D	-19743	197	13	23	23	14	1.03	1.00	438.8	
1E	7017	92	19	23	23	14	1.00	1.00	168.4	
1F	7017	92	13	23	23	14	1.00	1.00	163.9	
1G	7017	197	19	23	23	14	1.00	1.00	195.5	
1H	7017	197	13	23	23	14	1.00	1.00	191.0	
1I	-31059	299	16	23	23	14	1.03	1.00	684.2	
1J	-31059	299	22	23	23	14	1.03	1.00	688.8	
1K	-31059	194	16	23	23	14	1.03	1.00	656.9	
1L	-31059	194	22	23	23	14	1.03	1.00	661.5	
1M	18333	299	16	23	23	14	1.00	1.00	429.7	
1N	18333	299	22	23	23	14	1.00	1.00	434.2	
1O	18333	194	16	23	23	14	1.00	1.00	402.6	
1P	18333	194	22	23	23	14	1.00	1.00	407.1	
2	-1784	1	2	23	23	14	1.03	1.00	35.8	
7	-1321	4	2	23	23	14	1.03	1.00	27.7	
8	-3534	18	1	23	23	14	1.03	1.00	72.7	

ASTA NUM. 174 NI 480 NF 469 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-21440	-18	257	0	1	0	398.5	0.3	21.8	0.0	400.3	4	
1B	0	-21440	34	257	0	1	-0	398.5	0.3	21.8	0.0	400.3	4	
1C	0	-21440	-18	-345	0	-0	0	398.5	0.1	29.3	0.0	401.7	4	
1D	0	-21440	34	-345	0	-0	-0	398.5	0.2	29.3	0.0	401.7	4	
1E	0	14154	-18	257	0	1	0	263.1	0.3	21.8	0.0	265.8	4	
1F	0	14154	34	257	0	1	-0	263.1	0.3	21.8	0.0	265.8	4	
1G	0	14154	-18	-345	0	-0	0	263.1	0.1	29.3	0.0	267.9	4	
1H	0	14154	34	-345	0	-0	-0	263.1	0.2	29.3	0.0	267.9	4	
1I	0	-22714	-23	261	0	1	0	422.2	0.3	22.1	0.0	423.9	4	
1J	0	-22714	39	261	0	1	-0	422.2	0.4	22.1	0.0	423.9	4	

1K	0	-22714	-23	-350	0	-0	0	422.2	0.2	29.6	0.0	425.3	4
1L	0	-22714	39	-350	0	-0	-0	422.2	0.3	29.6	0.0	425.3	4
1M	0	15428	-23	261	0	1	0	286.8	0.3	22.1	0.0	289.3	4
1N	0	15428	39	261	0	1	-0	286.8	0.4	22.1	0.0	289.3	4
1O	0	15428	-23	-350	0	-0	0	286.8	0.2	29.6	0.0	291.3	4
1P	0	15428	39	-350	0	-0	-0	286.8	0.3	29.6	0.0	291.3	4
2	0	-5236	3	-14	0	1	-0	97.3	0.2	1.1	0.0	97.5	1
7	0	-3358	3	0	0	1	-0	62.4	0.2	0.1	0.0	62.6	1
8	0	-4815	5	-23	0	1	-0	89.5	0.2	1.9	0.0	89.7	3
1A	55	-21416	-18	257	0	-142	-10	398.1	43.6	21.8	0.0	441.7	1
1B	55	-21416	34	257	0	-142	19	398.1	50.3	21.8	0.0	448.3	1
1C	55	-21416	-18	-345	0	191	-10	398.1	56.4	29.3	0.0	454.4	1
1D	55	-21416	34	-345	0	191	19	398.1	63.0	29.3	0.0	461.1	1
1E	55	14178	-18	257	0	-142	-10	263.5	43.6	21.8	0.0	307.1	1
1F	55	14178	34	257	0	-142	19	263.5	50.3	21.8	0.0	313.8	1
1G	55	14178	-18	-345	0	191	-10	263.5	56.4	29.3	0.0	319.9	1
1H	55	14178	34	-345	0	191	19	263.5	63.0	29.3	0.0	326.6	1
1I	55	-22690	-23	261	0	194	-12	421.8	59.3	22.1	0.0	481.0	1
1J	55	-22690	39	261	0	194	21	421.8	65.9	22.1	0.0	487.7	1
1K	55	-22690	-23	-350	0	-145	-12	421.8	46.5	29.6	0.0	468.3	1
1L	55	-22690	39	-350	0	-145	21	421.8	53.2	29.6	0.0	474.9	1
1M	55	15452	-23	261	0	194	-12	287.2	59.3	22.1	0.0	346.5	1
1N	55	15452	39	261	0	194	21	287.2	65.9	22.1	0.0	353.1	1
1O	55	15452	-23	-350	0	-145	-12	287.2	46.5	29.6	0.0	333.7	1
1P	55	15452	39	-350	0	-145	21	287.2	53.2	29.6	0.0	340.4	1
2	55	-5206	3	-14	0	8	2	96.8	3.4	1.1	0.0	100.2	1
7	55	-3328	3	0	0	0	2	61.8	1.3	0.1	0.0	63.1	1
8	55	-4784	5	-23	0	13	3	88.9	5.5	1.9	0.0	94.4	1
1A	111	-21393	-18	257	0	-284	-19	397.6	87.5	21.8	0.0	485.1	1
1B	111	-21393	34	257	0	-284	37	397.6	100.9	21.8	0.0	498.5	1
1C	111	-21393	-18	-345	0	382	-19	397.6	112.9	29.3	0.0	510.5	1
1D	111	-21393	34	-345	0	382	37	397.6	126.3	29.3	0.0	523.9	1
1E	111	14201	-18	257	0	-284	-19	264.0	87.5	21.8	0.0	351.4	1
1F	111	14201	34	257	0	-284	37	264.0	100.9	21.8	0.0	364.8	1
1G	111	14201	-18	-345	0	382	-19	264.0	112.9	29.3	0.0	376.8	1
1H	111	14201	34	-345	0	382	37	264.0	126.3	29.3	0.0	390.2	1
1I	111	-22667	-23	261	0	388	-25	421.3	118.4	22.1	0.0	539.7	1
1J	111	-22667	39	261	0	388	43	421.3	131.8	22.1	0.0	553.1	1
1K	111	-22667	-23	-350	0	-289	-25	421.3	93.0	29.6	0.0	514.3	1
1L	111	-22667	39	-350	0	-289	43	421.3	106.4	29.6	0.0	527.7	1
1M	111	15475	-23	261	0	388	-25	287.6	118.4	22.1	0.0	406.0	1
1N	111	15475	39	261	0	388	43	287.6	131.8	22.1	0.0	419.4	1
1O	111	15475	-23	-350	0	-289	-25	287.6	93.0	29.6	0.0	380.6	1
1P	111	15475	39	-350	0	-289	43	287.6	106.4	29.6	0.0	394.0	1
2	111	-5176	3	-14	0	16	3	96.2	6.6	1.1	0.0	102.8	1
7	111	-3297	3	0	0	0	3	61.3	2.4	0.1	0.0	63.7	1
8	111	-4754	5	-23	0	26	6	88.4	10.8	1.9	0.0	99.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-21440	170	12	23	23	14	1.03	1.00	463.1	
1B	-21440	170	22	23	23	14	1.03	1.00	471.2	
1C	-21440	229	12	23	23	14	1.03	1.00	478.4	
1D	-21440	229	22	23	23	14	1.03	1.00	486.5	
1E	14201	170	12	23	23	14	1.00	1.00	316.3	
1F	14201	170	22	23	23	14	1.00	1.00	324.3	
1G	14201	229	12	23	23	14	1.00	1.00	331.6	
1H	14201	229	22	23	23	14	1.00	1.00	339.6	
1I	-22714	233	15	23	23	14	1.03	1.00	506.3	
1J	-22714	233	26	23	23	14	1.03	1.00	514.4	
1K	-22714	174	15	23	23	14	1.03	1.00	491.0	
1L	-22714	174	26	23	23	14	1.03	1.00	499.1	
1M	15475	233	15	23	23	14	1.00	1.00	358.7	
1N	15475	233	26	23	23	14	1.00	1.00	366.7	
1O	15475	174	15	23	23	14	1.00	1.00	343.4	
1P	15475	174	26	23	23	14	1.00	1.00	351.5	
2	-5236	10	2	23	23	14	1.03	1.00	104.3	
7	-3358	0	2	23	23	14	1.03	1.00	65.8	
8	-4815	16	3	23	23	14	1.03	1.00	98.7	

ASTA NUM. 175 NI 520 NF 509 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-16753	-48	194	0	1	0	311.4	0.4	16.4	0.0	312.7	4	
1B	0	-16753	40	194	0	1	-0	311.4	0.3	16.4	0.0	312.7	4	
1C	0	-16753	-48	-229	0	-0	0	311.4	0.2	19.4	0.0	313.2	4	
1D	0	-16753	40	-229	0	-0	-0	311.4	0.2	19.4	0.0	313.2	4	
1E	0	12917	-48	194	0	1	0	240.1	0.4	16.4	0.0	241.8	4	
1F	0	12917	40	194	0	1	-0	240.1	0.3	16.4	0.0	241.8	4	
1G	0	12917	-48	-229	0	-0	0	240.1	0.2	19.4	0.0	242.4	4	
1H	0	12917	40	-229	0	-0	-0	240.1	0.2	19.4	0.0	242.4	4	
1I	0	-10083	-31	105	0	1	0	187.4	0.3	8.9	0.0	188.1	3	
1J	0	-10083	23	105	0	1	-0	187.4	0.2	8.9	0.0	188.1	3	
1K	0	-10083	-31	-140	0	-0	0	187.4	0.1	11.9	0.0	188.6	4	

1L	0	-10083	23	-140	0	-0	-0	187.4	0.1	11.9	0.0	188.6	4
1M	0	6247	-31	105	0	1	0	116.1	0.3	8.9	0.0	117.1	4
1N	0	6247	23	105	0	1	-0	116.1	0.2	8.9	0.0	117.1	4
1O	0	6247	-31	-140	0	-0	0	116.1	0.1	11.9	0.0	117.9	4
1P	0	6247	23	-140	0	-0	-0	116.1	0.1	11.9	0.0	117.9	4
2	0	-3391	11	3	0	1	-0	63.0	0.2	0.4	0.0	63.3	1
7	0	-2477	8	6	0	1	-0	46.0	0.2	0.5	0.0	46.2	1
8	0	-2622	10	3	0	1	-0	48.7	0.2	0.4	0.0	48.9	1
1A	55	-16730	-48	194	0	-107	-27	311.0	47.3	16.4	0.0	358.3	1
1B	55	-16730	40	194	0	-107	22	311.0	44.0	16.4	0.0	355.0	1
1C	55	-16730	-48	-229	0	127	-27	311.0	52.5	19.4	0.0	363.4	1
1D	55	-16730	40	-229	0	127	22	311.0	49.2	19.4	0.0	360.1	1
1E	55	12940	-48	194	0	-107	-27	240.5	47.3	16.4	0.0	287.8	1
1F	55	12940	40	194	0	-107	22	240.5	44.0	16.4	0.0	284.5	1
1G	55	12940	-48	-229	0	127	-27	240.5	52.5	19.4	0.0	293.0	1
1H	55	12940	40	-229	0	127	22	240.5	49.2	19.4	0.0	289.7	1
1I	55	-10060	-31	105	0	78	-17	187.0	32.8	8.9	0.0	219.8	1
1J	55	-10060	23	105	0	78	12	187.0	29.5	8.9	0.0	216.5	1
1K	55	-10060	-31	-140	0	-58	-17	187.0	27.6	11.9	0.0	214.6	1
1L	55	-10060	23	-140	0	-58	12	187.0	24.3	11.9	0.0	211.3	1
1M	55	6270	-31	105	0	78	-17	116.5	32.8	8.9	0.0	149.3	1
1N	55	6270	23	105	0	78	12	116.5	29.5	8.9	0.0	146.0	1
1O	55	6270	-31	-140	0	-58	-17	116.5	27.6	11.9	0.0	144.2	1
1P	55	6270	23	-140	0	-58	12	116.5	24.3	11.9	0.0	140.9	1
2	55	-3360	11	3	0	-1	6	62.5	4.7	0.4	0.0	67.2	1
7	55	-2446	8	6	0	-3	5	45.5	4.2	0.5	0.0	49.6	1
8	55	-2592	10	3	0	-1	5	48.2	4.2	0.4	0.0	52.3	1
1A	111	-16707	-48	194	0	-214	-53	310.5	95.0	16.4	0.0	405.5	1
1B	111	-16707	40	194	0	-214	45	310.5	88.4	16.4	0.0	398.9	1
1C	111	-16707	-48	-229	0	254	-53	310.5	105.2	19.4	0.0	415.7	1
1D	111	-16707	40	-229	0	254	45	310.5	98.6	19.4	0.0	409.1	1
1E	111	12963	-48	194	0	-214	-53	240.9	95.0	16.4	0.0	335.9	1
1F	111	12963	40	194	0	-214	45	240.9	88.4	16.4	0.0	329.3	1
1G	111	12963	-48	-229	0	254	-53	240.9	105.2	19.4	0.0	346.1	1
1H	111	12963	40	-229	0	254	45	240.9	98.6	19.4	0.0	339.5	1
1I	111	-10037	-31	105	0	156	-34	186.6	65.5	8.9	0.0	252.1	1
1J	111	-10037	23	105	0	156	25	186.6	58.9	8.9	0.0	245.4	1
1K	111	-10037	-31	-140	0	-116	-34	186.6	55.3	11.9	0.0	241.9	1
1L	111	-10037	23	-140	0	-116	25	186.6	48.7	11.9	0.0	235.3	1
1M	111	6293	-31	105	0	156	-34	117.0	65.5	8.9	0.0	182.5	1
1N	111	6293	23	105	0	156	25	117.0	58.9	8.9	0.0	175.8	1
1O	111	6293	-31	-140	0	-116	-34	117.0	55.3	11.9	0.0	172.3	1
1P	111	6293	23	-140	0	-116	25	117.0	48.7	11.9	0.0	165.7	1
2	111	-3330	11	3	0	-3	12	61.9	9.7	0.4	0.0	71.6	1
7	111	-2416	8	6	0	-6	9	44.9	8.5	0.5	0.0	53.4	1
8	111	-2561	10	3	0	-2	11	47.6	8.5	0.4	0.0	56.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-16753	128	32	23	23	14	1.03	1.00	377.9	
1B	-16753	128	27	23	23	14	1.03	1.00	373.9	
1C	-16753	152	32	23	23	14	1.03	1.00	384.0	
1D	-16753	152	27	23	23	14	1.03	1.00	380.0	
1E	12963	128	32	23	23	14	1.00	1.00	297.8	
1F	12963	128	27	23	23	14	1.00	1.00	293.8	
1G	12963	152	32	23	23	14	1.00	1.00	303.9	
1H	12963	152	27	23	23	14	1.00	1.00	300.0	
1I	-10083	94	20	23	23	14	1.03	1.00	232.5	
1J	-10083	94	15	23	23	14	1.03	1.00	228.5	
1K	-10083	70	20	23	23	14	1.03	1.00	226.3	
1L	-10083	70	15	23	23	14	1.03	1.00	222.3	
1M	6293	94	20	23	23	14	1.00	1.00	156.3	
1N	6293	94	15	23	23	14	1.00	1.00	152.3	
1O	6293	70	20	23	23	14	1.00	1.00	150.1	
1P	6293	70	15	23	23	14	1.00	1.00	146.2	
2	-3391	1	7	23	23	14	1.03	1.00	70.7	
7	-2477	4	6	23	23	14	1.03	1.00	52.5	
8	-2622	1	6	23	23	14	1.03	1.00	55.2	

ASTA NUM. 176 NI 540 NF 529 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14703	-45	217	0	1	1	273.3	1.1	18.4	0.0	275.2	4	
1B	0	-14703	39	217	0	1	-2	273.3	1.7	18.4	0.0	275.2	4	
1C	0	-14703	-45	-244	0	-1	1	273.3	1.1	20.7	0.0	275.7	4	
1D	0	-14703	39	-244	0	-1	-2	273.3	1.7	20.7	0.0	275.7	4	
1E	0	12585	-45	217	0	1	1	233.9	1.1	18.4	0.0	236.1	4	
1F	0	12585	39	217	0	1	-2	233.9	1.7	18.4	0.0	236.1	4	
1G	0	12585	-45	-244	0	-1	1	233.9	1.1	20.7	0.0	236.7	4	
1H	0	12585	39	-244	0	-1	-2	233.9	1.7	20.7	0.0	236.7	4	
1I	0	-9017	-28	114	0	1	0	167.6	0.5	9.7	0.0	168.5	4	
1J	0	-9017	22	114	0	1	-1	167.6	1.1	9.7	0.0	168.7	1	
1K	0	-9017	-28	-142	0	-0	0	167.6	0.4	12.0	0.0	168.9	4	
1L	0	-9017	22	-142	0	-0	-1	167.6	1.1	12.0	0.0	168.9	4	

1M	0	6899	-28	114	0	1	0	128.2	0.5	9.7	0.0	129.3	4
1N	0	6899	22	114	0	1	-1	128.2	1.1	9.7	0.0	129.4	4
1O	0	6899	-28	-142	0	-0	0	128.2	0.4	12.0	0.0	129.9	4
1P	0	6899	22	-142	0	-0	-1	128.2	1.1	12.0	0.0	129.9	4
2	0	2276	12	-13	0	-1	-1	42.3	0.8	1.1	0.0	43.1	1
7	0	1806	9	-5	0	-0	-1	33.6	0.6	0.4	0.0	34.2	1
8	0	1997	11	-18	0	-1	-1	37.1	0.8	1.5	0.0	37.9	1
1A	55	-14680	-45	217	0	-118	23	272.9	47.4	18.4	0.0	320.2	1
1B	55	-14680	39	217	0	-118	-27	272.9	50.5	18.4	0.0	323.3	1
1C	55	-14680	-45	-244	0	134	23	272.9	51.3	20.7	0.0	324.2	1
1D	55	-14680	39	-244	0	134	-27	272.9	54.4	20.7	0.0	327.3	1
1E	55	12609	-45	217	0	-118	23	234.4	47.4	18.4	0.0	281.7	1
1F	55	12609	39	217	0	-118	-27	234.4	50.5	18.4	0.0	284.8	1
1G	55	12609	-45	-244	0	134	23	234.4	51.3	20.7	0.0	285.7	1
1H	55	12609	39	-244	0	134	-27	234.4	54.4	20.7	0.0	288.8	1
1I	55	-8994	-28	114	0	-63	13	167.2	25.6	9.7	0.0	192.8	1
1J	55	-8994	22	114	0	-63	-17	167.2	28.7	9.7	0.0	195.9	1
1K	55	-8994	-28	-142	0	78	13	167.2	29.6	12.0	0.0	196.7	1
1L	55	-8994	22	-142	0	78	-17	167.2	32.7	12.0	0.0	199.8	1
1M	55	6922	-28	114	0	-63	13	128.7	25.6	9.7	0.0	154.3	1
1N	55	6922	22	114	0	-63	-17	128.7	28.7	9.7	0.0	157.4	1
1O	55	6922	-28	-142	0	78	13	128.7	29.6	12.0	0.0	158.2	1
1P	55	6922	22	-142	0	78	-17	128.7	32.7	12.0	0.0	161.3	1
2	55	2306	12	-4	0	4	6	42.9	5.3	0.4	0.0	48.2	1
7	55	1836	9	1	0	1	4	34.1	3.5	0.4	0.0	37.6	1
8	55	2028	11	-9	0	7	5	37.7	5.5	0.7	0.0	43.2	1
1A	111	-14656	-45	217	0	-238	44	272.4	94.4	18.4	0.0	366.8	1
1B	111	-14656	39	217	0	-238	-52	272.4	99.9	18.4	0.0	372.4	1
1C	111	-14656	-45	-244	0	269	44	272.4	102.2	20.7	0.0	374.7	1
1D	111	-14656	39	-244	0	269	-52	272.4	107.8	20.7	0.0	380.2	1
1E	111	12632	-45	217	0	-238	44	234.8	94.4	18.4	0.0	329.2	1
1F	111	12632	39	217	0	-238	-52	234.8	99.9	18.4	0.0	334.7	1
1G	111	12632	-45	-244	0	269	44	234.8	102.2	20.7	0.0	337.0	1
1H	111	12632	39	-244	0	269	-52	234.8	107.8	20.7	0.0	342.6	1
1I	111	-8970	-28	114	0	-126	25	166.7	51.1	9.7	0.0	217.8	1
1J	111	-8970	22	114	0	-126	-32	166.7	56.6	9.7	0.0	223.4	1
1K	111	-8970	-28	-142	0	157	25	166.7	59.0	12.0	0.0	225.7	1
1L	111	-8970	22	-142	0	157	-32	166.7	64.5	12.0	0.0	231.2	1
1M	111	6946	-28	114	0	-126	25	129.1	51.1	9.7	0.0	180.2	1
1N	111	6946	22	114	0	-126	-32	129.1	56.6	9.7	0.0	185.8	1
1O	111	6946	-28	-142	0	157	25	129.1	59.0	12.0	0.0	188.1	1
1P	111	6946	22	-142	0	157	-32	129.1	64.5	12.0	0.0	193.6	1
2	111	2337	12	5	0	4	12	43.4	10.2	0.5	0.0	53.6	1
7	111	1867	9	8	0	-2	10	34.7	7.7	0.7	0.0	42.4	1
8	111	2058	11	0	0	9	11	38.3	10.5	0.4	0.0	48.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14703	142	27	23	23	14	1.03	1.00	338.5	
1B	-14703	142	32	23	23	14	1.03	1.00	342.1	
1C	-14703	161	27	23	23	14	1.03	1.00	343.2	
1D	-14703	161	32	23	23	14	1.03	1.00	346.9	
1E	12632	142	27	23	23	14	1.00	1.00	291.6	
1F	12632	142	32	23	23	14	1.00	1.00	295.2	
1G	12632	161	27	23	23	14	1.00	1.00	296.3	
1H	12632	161	32	23	23	14	1.00	1.00	299.9	
1I	-9017	75	15	23	23	14	1.03	1.00	203.4	
1J	-9017	75	20	23	23	14	1.03	1.00	207.0	
1K	-9017	94	15	23	23	14	1.03	1.00	208.2	
1L	-9017	94	20	23	23	14	1.03	1.00	211.8	
1M	6946	75	15	23	23	14	1.00	1.00	159.8	
1N	6946	75	20	23	23	14	1.00	1.00	163.4	
1O	6946	94	15	23	23	14	1.00	1.00	164.6	
1P	6946	94	20	23	23	14	1.00	1.00	168.2	
2	2337	2	7	23	23	14	1.00	1.00	49.2	
7	1867	1	5	23	23	14	1.00	1.00	39.1	
8	2058	5	6	23	23	14	1.00	1.00	44.2	

ASTA NUM. 177 NI 601 NF 612 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-22804	-55	207	0	1	0	423.9	0.5	17.6	0.0	425.0	3	
1B	0	-22804	84	207	0	1	-0	423.9	0.6	17.6	0.0	425.0	3	
1C	0	-22804	-55	-348	0	-0	0	423.9	0.3	29.5	0.0	426.9	4	
1D	0	-22804	84	-348	0	-0	-0	423.9	0.4	29.5	0.0	426.9	4	
1E	0	11154	-55	207	0	1	0	207.3	0.5	17.6	0.0	209.5	4	
1F	0	11154	84	207	0	1	-0	207.3	0.6	17.6	0.0	209.6	4	
1G	0	11154	-55	-348	0	-0	0	207.3	0.3	29.5	0.0	213.5	4	
1H	0	11154	84	-348	0	-0	-0	207.3	0.4	29.5	0.0	213.5	4	
1I	0	-30784	-25	303	0	2	0	572.2	0.5	25.7	0.0	573.9	4	
1J	0	-30784	54	303	0	2	-0	572.2	0.6	25.7	0.0	573.9	3	
1K	0	-30784	-25	-444	0	-1	0	572.2	0.4	37.6	0.0	575.9	4	
1L	0	-30784	54	-444	0	-1	-0	572.2	0.5	37.6	0.0	575.9	4	
1M	0	19134	-25	303	0	2	0	355.7	0.5	25.7	0.0	358.4	4	

1N	0	19134	54	303	0	2	-0	355.7	0.6	25.7	0.0	358.4	4
1O	0	19134	-25	-444	0	-1	0	355.7	0.4	37.6	0.0	361.6	4
1P	0	19134	54	-444	0	-1	-0	355.7	0.5	37.6	0.0	361.6	4
2	0	-1291	18	8	0	-0	-0	24.0	0.1	0.7	0.0	24.1	1
7	0	-791	17	13	0	-0	-0	14.7	0.1	1.1	0.0	14.9	3
8	0	-2961	18	-18	0	0	-0	55.0	0.1	1.6	0.0	55.1	1
1A	55	-22780	-55	207	0	193	-30	423.4	72.3	17.6	0.0	495.8	1
1B	55	-22780	84	207	0	193	46	423.4	84.2	17.6	0.0	507.6	1
1C	55	-22780	-55	-348	0	-115	-30	423.4	52.2	29.5	0.0	475.6	1
1D	55	-22780	84	-348	0	-115	46	423.4	64.0	29.5	0.0	487.4	1
1E	55	11178	-55	207	0	193	-30	207.8	72.3	17.6	0.0	280.1	1
1F	55	11178	84	207	0	193	46	207.8	84.2	17.6	0.0	291.9	1
1G	55	11178	-55	-348	0	-115	-30	207.8	52.2	29.5	0.0	259.9	1
1H	55	11178	84	-348	0	-115	46	207.8	64.0	29.5	0.0	271.8	1
1I	55	-30760	-25	303	0	247	-14	571.8	73.7	25.7	0.0	645.5	1
1J	55	-30760	54	303	0	247	29	571.8	85.5	25.7	0.0	657.3	1
1K	55	-30760	-25	-444	0	-168	-14	571.8	53.5	37.6	0.0	625.3	1
1L	55	-30760	54	-444	0	-168	29	571.8	65.3	37.6	0.0	637.1	1
1M	55	19158	-25	303	0	247	-14	356.1	73.7	25.7	0.0	429.8	1
1N	55	19158	54	303	0	247	29	356.1	85.5	25.7	0.0	441.6	1
1O	55	19158	-25	-444	0	-168	-14	356.1	53.5	37.6	0.0	409.6	1
1P	55	19158	54	-444	0	-168	29	356.1	65.3	37.6	0.0	421.4	1
2	55	-1260	18	8	0	-5	10	23.4	8.6	0.7	0.0	32.0	1
7	55	-761	17	13	0	-7	9	14.1	8.7	1.1	0.0	22.9	1
8	55	-2930	18	-18	0	10	10	54.5	10.0	1.6	0.0	64.5	1
1A	111	-22757	-55	207	0	385	-61	423.0	144.7	17.6	0.0	567.6	1
1B	111	-22757	84	207	0	385	93	423.0	168.4	17.6	0.0	591.4	1
1C	111	-22757	-55	-348	0	-229	-61	423.0	104.4	29.5	0.0	527.4	1
1D	111	-22757	84	-348	0	-229	93	423.0	128.2	29.5	0.0	551.2	1
1E	111	11201	-55	207	0	385	-61	208.2	144.7	17.6	0.0	352.8	1
1F	111	11201	84	207	0	385	93	208.2	168.4	17.6	0.0	376.6	1
1G	111	11201	-55	-348	0	-229	-61	208.2	104.4	29.5	0.0	312.6	1
1H	111	11201	84	-348	0	-229	93	208.2	128.2	29.5	0.0	336.4	1
1I	111	-30737	-25	303	0	492	-27	571.3	147.1	25.7	0.0	718.4	1
1J	111	-30737	54	303	0	492	59	571.3	170.8	25.7	0.0	742.2	1
1K	111	-30737	-25	-444	0	-336	-27	571.3	106.8	37.6	0.0	678.2	1
1L	111	-30737	54	-444	0	-336	59	571.3	130.6	37.6	0.0	701.9	1
1M	111	19181	-25	303	0	492	-27	356.5	147.1	25.7	0.0	503.6	1
1N	111	19181	54	303	0	492	59	356.5	170.8	25.7	0.0	527.4	1
1O	111	19181	-25	-444	0	-336	-27	356.5	106.8	37.6	0.0	463.4	1
1P	111	19181	54	-444	0	-336	59	356.5	130.6	37.6	0.0	487.1	1
2	111	-1230	18	8	0	-9	20	22.9	17.3	0.7	0.0	40.2	1
7	111	-730	17	13	0	-15	18	13.6	17.6	1.1	0.0	31.1	1
8	111	-2900	18	-18	0	20	20	53.9	20.1	1.6	0.0	74.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-22804	232	36	23	23	14	1.03	1.00	523.9	
1B	-22804	232	55	23	23	14	1.03	1.00	538.3	
1C	-22804	138	36	23	23	14	1.03	1.00	499.6	
1D	-22804	138	55	23	23	14	1.03	1.00	514.0	
1E	11201	232	36	23	23	14	1.00	1.00	295.0	
1F	11201	232	55	23	23	14	1.00	1.00	309.2	
1G	11201	138	36	23	23	14	1.00	1.00	270.8	
1H	11201	138	55	23	23	14	1.00	1.00	285.0	
1I	-30784	296	16	23	23	14	1.03	1.00	678.3	
1J	-30784	296	35	23	23	14	1.03	1.00	692.8	
1K	-30784	202	16	23	23	14	1.03	1.00	654.0	
1L	-30784	202	35	23	23	14	1.03	1.00	668.4	
1M	19181	296	16	23	23	14	1.00	1.00	444.9	
1N	19181	296	35	23	23	14	1.00	1.00	459.1	
1O	19181	202	16	23	23	14	1.00	1.00	420.7	
1P	19181	202	35	23	23	14	1.00	1.00	434.9	
2	-1291	5	12	23	23	14	1.03	1.00	35.1	
7	-791	9	11	23	23	14	1.03	1.00	25.7	
8	-2961	12	12	23	23	14	1.03	1.00	68.7	

ASTA NUM. 178 NI 641 NF 652 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14642	-13	174	0	2	3	272.2	2.8	14.8	0.0	275.0	1	
1B	0	-14642	14	174	0	2	0	272.2	0.9	14.8	0.0	273.6	3	
1C	0	-14642	-13	-236	0	-2	3	272.2	2.8	20.0	0.0	274.9	1	
1D	0	-14642	14	-236	0	-2	0	272.2	0.9	20.0	0.0	274.4	4	
1E	0	9080	-13	174	0	2	3	168.8	2.8	14.8	0.0	171.6	1	
1F	0	9080	14	174	0	2	0	168.8	0.9	14.8	0.0	170.8	3	
1G	0	9080	-13	-236	0	-2	3	168.8	2.8	20.0	0.0	172.4	4	
1H	0	9080	14	-236	0	-2	0	168.8	0.9	20.0	0.0	172.3	4	
1I	0	-19480	-14	236	0	1	3	362.1	2.4	20.0	0.0	364.4	1	
1J	0	-19480	15	236	0	1	1	362.1	0.9	20.0	0.0	363.8	4	
1K	0	-19480	-14	-298	0	-1	3	362.1	2.3	25.2	0.0	364.8	4	
1L	0	-19480	15	-298	0	-1	1	362.1	0.8	25.2	0.0	364.7	4	
1M	0	13918	-14	236	0	1	3	258.7	2.4	20.0	0.0	261.1	4	
1N	0	13918	15	236	0	1	1	258.7	0.9	20.0	0.0	261.0	4	

1O	0	13918	-14	-298	0	-1	3	258.7	2.3	25.2	0.0	262.4	4
1P	0	13918	15	-298	0	-1	1	258.7	0.8	25.2	0.0	262.4	4
2	0	-4224	0	3	0	1	3	78.5	2.4	0.2	0.0	80.9	1
7	0	-2320	-1	17	0	1	3	43.1	2.3	1.4	0.0	45.4	1
8	0	-3755	0	-6	0	1	3	69.8	2.2	0.5	0.0	72.0	1
1A	55	-14619	-13	174	0	-94	-5	271.7	27.7	14.8	0.0	299.5	1
1B	55	-14619	14	174	0	-94	9	271.7	30.6	14.8	0.0	302.4	1
1C	55	-14619	-13	-236	0	129	-5	271.7	36.5	20.0	0.0	308.3	1
1D	55	-14619	14	-236	0	129	9	271.7	39.4	20.0	0.0	311.2	1
1E	55	9103	-13	174	0	-94	-5	169.2	27.7	14.8	0.0	196.9	1
1F	55	9103	14	174	0	-94	9	169.2	30.6	14.8	0.0	199.8	1
1G	55	9103	-13	-236	0	129	-5	169.2	36.5	20.0	0.0	205.7	1
1H	55	9103	14	-236	0	129	9	169.2	39.4	20.0	0.0	208.6	1
1I	55	-19457	-14	236	0	-130	-5	361.6	37.3	20.0	0.0	399.0	1
1J	55	-19457	15	236	0	-130	9	361.6	40.2	20.0	0.0	401.9	1
1K	55	-19457	-14	-298	0	164	-5	361.6	46.1	25.2	0.0	407.8	1
1L	55	-19457	15	-298	0	164	9	361.6	49.0	25.2	0.0	410.7	1
1M	55	13941	-14	236	0	-130	-5	259.1	37.3	20.0	0.0	296.5	1
1N	55	13941	15	236	0	-130	9	259.1	40.2	20.0	0.0	299.4	1
1O	55	13941	-14	-298	0	164	-5	259.1	46.1	25.2	0.0	305.3	1
1P	55	13941	15	-298	0	164	9	259.1	49.0	25.2	0.0	308.2	1
2	55	-4194	0	3	0	-0	3	77.9	2.2	0.2	0.0	80.1	1
7	55	-2290	-1	17	0	-8	2	42.6	3.6	1.4	0.0	46.1	1
8	55	-3725	0	-6	0	4	3	69.2	3.0	0.5	0.0	72.2	1
1A	111	-14596	-13	174	0	-191	-12	271.3	58.3	14.8	0.0	329.6	1
1B	111	-14596	14	174	0	-191	17	271.3	61.5	14.8	0.0	332.8	1
1C	111	-14596	-13	-236	0	259	-12	271.3	75.8	20.0	0.0	347.1	1
1D	111	-14596	14	-236	0	259	17	271.3	79.0	20.0	0.0	350.3	1
1E	111	9126	-13	174	0	-191	-12	169.6	58.3	14.8	0.0	227.9	1
1F	111	9126	14	174	0	-191	17	169.6	61.5	14.8	0.0	231.1	1
1G	111	9126	-13	-236	0	259	-12	169.6	75.8	20.0	0.0	245.4	1
1H	111	9126	14	-236	0	259	17	169.6	79.0	20.0	0.0	248.7	1
1I	111	-19434	-14	236	0	-260	-13	361.2	77.0	20.0	0.0	438.2	1
1J	111	-19434	15	236	0	-260	18	361.2	80.3	20.0	0.0	441.5	1
1K	111	-19434	-14	-298	0	329	-13	361.2	94.6	25.2	0.0	455.8	1
1L	111	-19434	15	-298	0	329	18	361.2	97.8	25.2	0.0	459.0	1
1M	111	13964	-14	236	0	-260	-13	259.5	77.0	20.0	0.0	336.6	1
1N	111	13964	15	236	0	-260	18	259.5	80.3	20.0	0.0	339.8	1
1O	111	13964	-14	-298	0	329	-13	259.5	94.6	25.2	0.0	354.1	1
1P	111	13964	15	-298	0	329	18	259.5	97.8	25.2	0.0	357.4	1
2	111	-4163	0	3	0	-2	3	77.4	2.7	0.2	0.0	80.1	1
7	111	-2259	-1	17	0	-18	1	42.0	5.4	1.4	0.0	47.4	1
8	111	-3695	0	-6	0	7	3	68.7	3.8	0.5	0.0	72.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14642	114	6	23	23	14	1.03	1.00	314.3	
1B	-14642	114	10	23	23	14	1.03	1.00	317.3	
1C	-14642	155	6	23	23	14	1.03	1.00	324.8	
1D	-14642	155	10	23	23	14	1.03	1.00	327.8	
1E	9126	114	6	23	23	14	1.00	1.00	203.5	
1F	9126	114	10	23	23	14	1.00	1.00	206.4	
1G	9126	155	6	23	23	14	1.00	1.00	214.0	
1H	9126	155	10	23	23	14	1.00	1.00	217.0	
1I	-19480	156	7	23	23	14	1.03	1.00	418.4	
1J	-19480	156	11	23	23	14	1.03	1.00	421.4	
1K	-19480	197	7	23	23	14	1.03	1.00	429.0	
1L	-19480	197	11	23	23	14	1.03	1.00	432.0	
1M	13964	156	7	23	23	14	1.00	1.00	304.8	
1N	13964	156	11	23	23	14	1.00	1.00	307.8	
1O	13964	197	7	23	23	14	1.00	1.00	315.4	
1P	13964	197	11	23	23	14	1.00	1.00	318.3	
2	-4224	1	3	23	23	14	1.03	1.00	83.2	
7	-2320	10	2	23	23	14	1.03	1.00	48.6	
8	-3755	5	3	23	23	14	1.03	1.00	75.1	

ASTA NUM. 179 NI 681 NF 692 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13698	-44	185	0	2	1	254.6	1.5	15.7	0.0	256.2	3	
1B	0	-13698	29	185	0	2	-2	254.6	1.8	15.7	0.0	256.4	1	
1C	0	-13698	-44	-222	0	-1	1	254.6	1.4	18.8	0.0	256.7	4	
1D	0	-13698	29	-222	0	-1	-2	254.6	1.6	18.8	0.0	256.7	4	
1E	0	9694	-44	185	0	2	1	180.2	1.5	15.7	0.0	182.3	4	
1F	0	9694	29	185	0	2	-2	180.2	1.8	15.7	0.0	182.3	4	
1G	0	9694	-44	-222	0	-1	1	180.2	1.4	18.8	0.0	183.1	4	
1H	0	9694	29	-222	0	-1	-2	180.2	1.6	18.8	0.0	183.2	4	
1I	0	-9806	-37	106	0	1	1	182.3	1.0	9.0	0.0	183.3	1	
1J	0	-9806	22	106	0	1	-1	182.3	1.3	9.0	0.0	183.5	1	
1K	0	-9806	-37	-143	0	-0	1	182.3	0.9	12.1	0.0	183.5	4	
1L	0	-9806	22	-143	0	-0	-1	182.3	1.2	12.1	0.0	183.5	4	
1M	0	5802	-37	106	0	1	1	107.8	1.0	9.0	0.0	109.0	4	
1N	0	5802	22	106	0	1	-1	107.8	1.3	9.0	0.0	109.1	1	
1O	0	5802	-37	-143	0	-0	1	107.8	0.9	12.1	0.0	109.9	4	

1P	0	5802	22	-143	0	-0	-1	107.8	1.2	12.1	0.0	109.9	4
2	0	-3383	-14	3	0	1	0	62.9	0.2	0.5	0.0	63.1	1
7	0	-2413	-10	6	0	1	-0	44.9	0.3	0.5	0.0	45.2	1
8	0	-2642	-11	2	0	1	-0	49.1	0.2	0.4	0.0	49.3	1
1A	55	-13675	-44	185	0	-101	17	254.2	38.8	15.7	0.0	292.9	1
1B	55	-13675	29	185	0	-101	-26	254.2	45.1	15.7	0.0	299.3	1
1C	55	-13675	-44	-222	0	122	17	254.2	44.1	18.8	0.0	298.3	1
1D	55	-13675	29	-222	0	122	-26	254.2	50.5	18.8	0.0	304.6	1
1E	55	9717	-44	185	0	-101	17	180.6	38.8	15.7	0.0	219.4	1
1F	55	9717	29	185	0	-101	-26	180.6	45.1	15.7	0.0	225.7	1
1G	55	9717	-44	-222	0	122	17	180.6	44.1	18.8	0.0	224.7	1
1H	55	9717	29	-222	0	122	-26	180.6	50.5	18.8	0.0	231.1	1
1I	55	-9783	-37	106	0	-58	-20	181.8	29.7	9.0	0.0	211.6	1
1J	55	-9783	22	106	0	-58	11	181.8	23.4	9.0	0.0	205.2	1
1K	55	-9783	-37	-143	0	79	-20	181.8	35.1	12.1	0.0	216.9	1
1L	55	-9783	22	-143	0	79	11	181.8	28.7	12.1	0.0	210.6	1
1M	55	5825	-37	106	0	-58	-20	108.3	29.7	9.0	0.0	138.0	1
1N	55	5825	22	106	0	-58	11	108.3	23.4	9.0	0.0	131.7	1
1O	55	5825	-37	-143	0	79	-20	108.3	35.1	12.1	0.0	143.4	1
1P	55	5825	22	-143	0	79	11	108.3	28.7	12.1	0.0	137.0	1
2	55	-3353	-14	3	0	-1	-8	62.3	6.1	0.5	0.0	68.4	1
7	55	-2382	-10	6	0	-3	-6	44.3	4.9	0.5	0.0	49.2	1
8	55	-2612	-11	2	0	-1	-6	48.5	4.9	0.4	0.0	53.4	1
1A	111	-13652	-44	185	0	-203	33	253.8	76.9	15.7	0.0	330.7	1
1B	111	-13652	29	185	0	-203	-49	253.8	89.3	15.7	0.0	343.1	1
1C	111	-13652	-44	-222	0	245	33	253.8	87.5	18.8	0.0	341.2	1
1D	111	-13652	29	-222	0	245	-49	253.8	99.9	18.8	0.0	353.7	1
1E	111	9740	-44	185	0	-203	33	181.0	76.9	15.7	0.0	257.9	1
1F	111	9740	29	185	0	-203	-49	181.0	89.3	15.7	0.0	270.4	1
1G	111	9740	-44	-222	0	245	33	181.0	87.5	18.8	0.0	268.5	1
1H	111	9740	29	-222	0	245	-49	181.0	99.9	18.8	0.0	281.0	1
1I	111	-9760	-37	106	0	-117	-41	181.4	60.5	9.0	0.0	241.9	1
1J	111	-9760	22	106	0	-117	24	181.4	48.1	9.0	0.0	229.5	1
1K	111	-9760	-37	-143	0	158	-41	181.4	71.1	12.1	0.0	252.5	1
1L	111	-9760	22	-143	0	158	24	181.4	58.6	12.1	0.0	240.0	1
1M	111	5848	-37	106	0	-117	-41	108.7	60.5	9.0	0.0	169.2	1
1N	111	5848	22	106	0	-117	24	108.7	48.1	9.0	0.0	156.7	1
1O	111	5848	-37	-143	0	158	-41	108.7	71.1	12.1	0.0	179.8	1
1P	111	5848	22	-143	0	158	24	108.7	58.6	12.1	0.0	167.3	1
2	111	-3323	-14	3	0	-2	-16	61.8	12.4	0.5	0.0	74.1	1
7	111	-2352	-10	6	0	-6	-11	43.7	9.8	0.5	0.0	53.6	1
8	111	-2581	-11	2	0	-2	-13	48.0	9.9	0.4	0.0	57.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13698	121	20	23	23	14	1.03	1.00	308.8	
1B	-13698	121	30	23	23	14	1.03	1.00	316.4	
1C	-13698	146	20	23	23	14	1.03	1.00	315.2	
1D	-13698	146	30	23	23	14	1.03	1.00	322.8	
1E	9740	121	20	23	23	14	1.00	1.00	227.4	
1F	9740	121	30	23	23	14	1.00	1.00	235.0	
1G	9740	146	20	23	23	14	1.00	1.00	233.8	
1H	9740	146	30	23	23	14	1.00	1.00	241.4	
1I	-9806	70	24	23	23	14	1.03	1.00	223.7	
1J	-9806	70	14	23	23	14	1.03	1.00	216.1	
1K	-9806	95	24	23	23	14	1.03	1.00	230.1	
1L	-9806	95	14	23	23	14	1.03	1.00	222.5	
1M	5848	70	24	23	23	14	1.00	1.00	144.6	
1N	5848	70	14	23	23	14	1.00	1.00	137.0	
1O	5848	95	24	23	23	14	1.00	1.00	151.0	
1P	5848	95	14	23	23	14	1.00	1.00	143.4	
2	-3383	1	9	23	23	14	1.03	1.00	72.1	
7	-2413	4	7	23	23	14	1.03	1.00	52.1	
8	-2642	1	8	23	23	14	1.03	1.00	56.5	

ASTA NUM. 180 NI 602 NF 620 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-24139	-25	215	0	0	0	448.7	0.0	18.2	0.0	449.8	4	
1B	0	-24139	21	215	0	0	-0	448.7	0.0	18.2	0.0	449.8	4	
1C	0	-24139	-25	-363	0	-0	0	448.7	0.0	30.8	0.0	451.8	4	
1D	0	-24139	21	-363	0	-0	-0	448.7	0.0	30.8	0.0	451.8	4	
1E	0	14271	-25	215	0	0	0	265.3	0.0	18.2	0.0	267.1	4	
1F	0	14271	21	215	0	0	-0	265.3	0.0	18.2	0.0	267.1	4	
1G	0	14271	-25	-363	0	-0	0	265.3	0.0	30.8	0.0	270.6	4	
1H	0	14271	21	-363	0	-0	-0	265.3	0.0	30.8	0.0	270.6	4	
1I	0	-37950	-20	319	0	0	0	705.4	0.0	27.0	0.0	706.9	4	
1J	0	-37950	16	319	0	0	-0	705.4	0.0	27.0	0.0	706.9	4	
1K	0	-37950	-20	-466	0	-0	0	705.4	0.0	39.5	0.0	708.7	4	
1L	0	-37950	16	-466	0	-0	-0	705.4	0.0	39.5	0.0	708.7	4	
1M	0	28082	-20	319	0	0	0	522.0	0.0	27.0	0.0	524.1	4	
1N	0	28082	16	319	0	0	-0	522.0	0.0	27.0	0.0	524.1	4	
1O	0	28082	-20	-466	0	-0	0	522.0	0.0	39.5	0.0	526.4	4	
1P	0	28082	16	-466	0	-0	-0	522.0	0.0	39.5	0.0	526.4	4	

2	0	-18820	-9	9	0	0	0	349.8	0.0	0.8	0.0	349.8	3
7	0	-18230	-8	14	0	0	0	338.8	0.0	1.2	0.0	338.9	4
8	0	-15340	-7	-19	0	0	0	285.1	0.0	1.6	0.0	285.1	4
1A	55	-24116	-25	215	0	-119	-14	448.3	41.0	18.2	0.0	489.2	1
1B	55	-24116	21	215	0	-119	12	448.3	39.3	18.2	0.0	487.6	1
1C	55	-24116	-25	-363	0	201	-14	448.3	62.0	30.8	0.0	510.2	1
1D	55	-24116	21	-363	0	201	12	448.3	60.3	30.8	0.0	508.6	1
1E	55	14294	-25	215	0	-119	-14	265.7	41.0	18.2	0.0	306.6	1
1F	55	14294	21	215	0	-119	12	265.7	39.3	18.2	0.0	305.0	1
1G	55	14294	-25	-363	0	201	-14	265.7	62.0	30.8	0.0	327.7	1
1H	55	14294	21	-363	0	201	12	265.7	60.3	30.8	0.0	326.0	1
1I	55	-37927	-20	319	0	-176	-11	705.0	53.5	27.0	0.0	758.5	1
1J	55	-37927	16	319	0	-176	9	705.0	51.9	27.0	0.0	756.8	1
1K	55	-37927	-20	-466	0	258	-11	705.0	74.5	39.5	0.0	779.5	1
1L	55	-37927	16	-466	0	258	9	705.0	72.9	39.5	0.0	777.9	1
1M	55	28105	-20	319	0	-176	-11	522.4	53.5	27.0	0.0	575.9	1
1N	55	28105	16	319	0	-176	9	522.4	51.9	27.0	0.0	574.3	1
1O	55	28105	-20	-466	0	258	-11	522.4	74.5	39.5	0.0	596.9	1
1P	55	28105	16	-466	0	258	9	522.4	72.9	39.5	0.0	595.3	1
2	55	-18790	-9	9	0	-5	-5	349.3	5.1	0.8	0.0	354.4	1
7	55	-18200	-8	14	0	-8	-5	338.3	5.5	1.2	0.0	343.8	1
8	55	-15310	-7	-19	0	11	-4	284.6	5.7	1.6	0.0	290.3	1
1A	111	-24093	-25	215	0	-238	-28	447.8	81.9	18.2	0.0	529.7	1
1B	111	-24093	21	215	0	-238	23	447.8	78.6	18.2	0.0	526.5	1
1C	111	-24093	-25	-363	0	402	-28	447.8	124.0	30.8	0.0	571.8	1
1D	111	-24093	21	-363	0	402	23	447.8	120.7	30.8	0.0	568.5	1
1E	111	14317	-25	215	0	-238	-28	266.1	81.9	18.2	0.0	348.0	1
1F	111	14317	21	215	0	-238	23	266.1	78.6	18.2	0.0	344.8	1
1G	111	14317	-25	-363	0	402	-28	266.1	124.0	30.8	0.0	390.1	1
1H	111	14317	21	-363	0	402	23	266.1	120.7	30.8	0.0	386.8	1
1I	111	-37904	-20	319	0	-353	-22	704.5	107.0	27.0	0.0	811.6	1
1J	111	-37904	16	319	0	-353	17	704.5	103.7	27.0	0.0	808.3	1
1K	111	-37904	-20	-466	0	516	-22	704.5	149.1	39.5	0.0	853.6	1
1L	111	-37904	16	-466	0	516	17	704.5	145.8	39.5	0.0	850.3	1
1M	111	28128	-20	319	0	-353	-22	522.8	107.0	27.0	0.0	629.8	1
1N	111	28128	16	319	0	-353	17	522.8	103.7	27.0	0.0	626.6	1
1O	111	28128	-20	-466	0	516	-22	522.8	149.1	39.5	0.0	671.9	1
1P	111	28128	16	-466	0	516	17	522.8	145.8	39.5	0.0	668.6	1
2	111	-18760	-9	9	0	-10	-10	348.7	10.3	0.8	0.0	359.0	1
7	111	-18170	-8	14	0	-16	-9	337.7	11.0	1.2	0.0	348.8	1
8	111	-15280	-7	-19	0	21	-8	284.0	11.4	1.6	0.0	295.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-24139	143	17	23	23	14	1.03	1.00	511.6	
1B	-24139	143	14	23	23	14	1.03	1.00	509.6	
1C	-24139	241	17	23	23	14	1.03	1.00	536.9	
1D	-24139	241	14	23	23	14	1.03	1.00	534.9	
1E	14317	143	17	23	23	14	1.00	1.00	315.3	
1F	14317	143	14	23	23	14	1.00	1.00	313.3	
1G	14317	241	17	23	23	14	1.00	1.00	340.5	
1H	14317	241	14	23	23	14	1.00	1.00	338.5	
1I	-37950	212	13	23	23	14	1.03	1.00	791.3	
1J	-37950	212	10	23	23	14	1.03	1.00	789.3	
1K	-37950	310	13	23	23	14	1.03	1.00	816.7	
1L	-37950	310	10	23	23	14	1.03	1.00	814.7	
1M	28128	212	13	23	23	14	1.00	1.00	587.0	
1N	28128	212	10	23	23	14	1.00	1.00	585.1	
1O	28128	310	13	23	23	14	1.00	1.00	612.3	
1P	28128	310	10	23	23	14	1.00	1.00	610.3	
2	-18820	6	6	23	23	14	1.03	1.00	366.5	
7	-18230	10	6	23	23	14	1.03	1.00	355.7	
8	-15340	13	5	23	23	14	1.03	1.00	300.6	

ASTA NUM. 181 NI 642 NF 660 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11425	-31	176	0	0	0	212.4	0.0	15.0	0.0	213.9	4	
1B	0	-11425	30	176	0	0	-0	212.4	0.0	15.0	0.0	213.9	4	
1C	0	-11425	-31	-242	0	-0	0	212.4	0.0	20.5	0.0	215.3	4	
1D	0	-11425	30	-242	0	-0	-0	212.4	0.0	20.5	0.0	215.3	4	
1E	0	10973	-31	176	0	0	0	204.0	0.0	15.0	0.0	205.6	4	
1F	0	10973	30	176	0	0	-0	204.0	0.0	15.0	0.0	205.6	4	
1G	0	10973	-31	-242	0	-0	0	204.0	0.0	20.5	0.0	207.0	4	
1H	0	10973	30	-242	0	-0	-0	204.0	0.0	20.5	0.0	207.0	4	
1I	0	-18655	-21	244	0	0	0	346.8	0.0	20.7	0.0	348.6	4	
1J	0	-18655	19	244	0	0	-0	346.8	0.0	20.7	0.0	348.6	4	
1K	0	-18655	-21	-310	0	-0	0	346.8	0.0	26.3	0.0	349.7	4	
1L	0	-18655	19	-310	0	-0	-0	346.8	0.0	26.3	0.0	349.7	4	
1M	0	18203	-21	244	0	0	0	338.4	0.0	20.7	0.0	340.2	4	
1N	0	18203	19	244	0	0	-0	338.4	0.0	20.7	0.0	340.2	4	
1O	0	18203	-21	-310	0	-0	0	338.4	0.0	26.3	0.0	341.4	4	
1P	0	18203	19	-310	0	-0	-0	338.4	0.0	26.3	0.0	341.4	4	
2	0	-5174	-6	-2	0	0	0	96.2	0.0	0.2	0.0	96.2	3	

7	0	-5773	-5	14	0	0	0	107.3	0.0	1.2	0.0	107.3	4
8	0	-4089	-5	-10	0	0	0	76.0	0.0	0.8	0.0	76.0	4
1A	55	-11402	-31	176	0	-98	-17	211.9	38.1	15.0	0.0	250.0	1
1B	55	-11402	30	176	0	-98	16	211.9	37.3	15.0	0.0	249.3	1
1C	55	-11402	-31	-242	0	134	-17	211.9	47.5	20.5	0.0	259.4	1
1D	55	-11402	30	-242	0	134	16	211.9	46.7	20.5	0.0	258.6	1
1E	55	10996	-31	176	0	-98	-17	204.4	38.1	15.0	0.0	242.5	1
1F	55	10996	30	176	0	-98	16	204.4	37.3	15.0	0.0	241.7	1
1G	55	10996	-31	-242	0	134	-17	204.4	47.5	20.5	0.0	251.9	1
1H	55	10996	30	-242	0	134	16	204.4	46.7	20.5	0.0	251.1	1
1I	55	-18632	-21	244	0	-135	-11	346.3	43.3	20.7	0.0	389.6	1
1J	55	-18632	19	244	0	-135	10	346.3	42.6	20.7	0.0	388.9	1
1K	55	-18632	-21	-310	0	172	-11	346.3	52.7	26.3	0.0	399.0	1
1L	55	-18632	19	-310	0	172	10	346.3	51.9	26.3	0.0	398.3	1
1M	55	18227	-21	244	0	-135	-11	338.8	43.3	20.7	0.0	382.1	1
1N	55	18227	19	244	0	-135	10	338.8	42.6	20.7	0.0	381.4	1
1O	55	18227	-21	-310	0	172	-11	338.8	52.7	26.3	0.0	391.5	1
1P	55	18227	19	-310	0	172	10	338.8	51.9	26.3	0.0	390.7	1
2	55	-5144	-6	-2	0	1	-3	95.6	2.9	0.2	0.0	98.5	1
7	55	-5743	-5	14	0	-8	-3	106.7	4.2	1.2	0.0	111.0	1
8	55	-4058	-5	-10	0	5	-3	75.4	3.3	0.8	0.0	78.8	1
1A	111	-11378	-31	176	0	-195	-35	211.5	76.2	15.0	0.0	287.7	1
1B	111	-11378	30	176	0	-195	33	211.5	74.7	15.0	0.0	286.2	1
1C	111	-11378	-31	-242	0	268	-35	211.5	94.9	20.5	0.0	306.4	1
1D	111	-11378	30	-242	0	268	33	211.5	93.4	20.5	0.0	304.9	1
1E	111	11020	-31	176	0	-195	-35	204.8	76.2	15.0	0.0	281.0	1
1F	111	11020	30	176	0	-195	33	204.8	74.7	15.0	0.0	279.5	1
1G	111	11020	-31	-242	0	268	-35	204.8	94.9	20.5	0.0	299.8	1
1H	111	11020	30	-242	0	268	33	204.8	93.4	20.5	0.0	298.3	1
1I	111	-18609	-21	244	0	-270	-23	345.9	86.6	20.7	0.0	432.5	1
1J	111	-18609	19	244	0	-270	21	345.9	85.1	20.7	0.0	431.0	1
1K	111	-18609	-21	-310	0	343	-23	345.9	105.4	26.3	0.0	451.3	1
1L	111	-18609	19	-310	0	343	21	345.9	103.9	26.3	0.0	449.8	1
1M	111	18250	-21	244	0	-270	-23	339.2	86.6	20.7	0.0	425.8	1
1N	111	18250	19	244	0	-270	21	339.2	85.1	20.7	0.0	424.4	1
1O	111	18250	-21	-310	0	343	-23	339.2	105.4	26.3	0.0	444.6	1
1P	111	18250	19	-310	0	343	21	339.2	103.9	26.3	0.0	443.1	1
2	111	-5113	-6	-2	0	3	-7	95.0	5.8	0.2	0.0	100.9	1
7	111	-5713	-5	14	0	-15	-6	106.2	8.4	1.2	0.0	114.6	1
8	111	-4028	-5	-10	0	11	-5	74.9	6.7	0.8	0.0	81.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11425	117	21	23	23	14	1.03	1.00	264.6	
1B	-11425	117	20	23	23	14	1.03	1.00	263.7	
1C	-11425	161	21	23	23	14	1.03	1.00	275.9	
1D	-11425	161	20	23	23	14	1.03	1.00	275.0	
1E	11020	117	21	23	23	14	1.00	1.00	250.5	
1F	11020	117	20	23	23	14	1.00	1.00	249.6	
1G	11020	161	21	23	23	14	1.00	1.00	261.8	
1H	11020	161	20	23	23	14	1.00	1.00	260.9	
1I	-18655	162	14	23	23	14	1.03	1.00	409.4	
1J	-18655	162	13	23	23	14	1.03	1.00	408.5	
1K	-18655	206	14	23	23	14	1.03	1.00	420.6	
1L	-18655	206	13	23	23	14	1.03	1.00	419.7	
1M	18250	162	14	23	23	14	1.00	1.00	391.2	
1N	18250	162	13	23	23	14	1.00	1.00	390.3	
1O	18250	206	14	23	23	14	1.00	1.00	402.4	
1P	18250	206	13	23	23	14	1.00	1.00	401.5	
2	-5174	2	4	23	23	14	1.03	1.00	102.6	
7	-5773	9	4	23	23	14	1.03	1.00	115.6	
8	-4089	7	3	23	23	14	1.03	1.00	82.3	

ASTA NUM. 182 NI 682 NF 700 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13321	-23	189	0	0	0	247.6	0.0	16.0	0.0	249.1	4	
1B	0	-13321	28	189	0	0	-0	247.6	0.0	16.0	0.0	249.1	4	
1C	0	-13321	-23	-229	0	-0	0	247.6	0.0	19.4	0.0	249.9	4	
1D	0	-13321	28	-229	0	-0	-0	247.6	0.0	19.4	0.0	249.9	4	
1E	0	13692	-23	189	0	0	0	254.5	0.0	16.0	0.0	256.0	4	
1F	0	13692	28	189	0	0	-0	254.5	0.0	16.0	0.0	256.0	4	
1G	0	13692	-23	-229	0	-0	0	254.5	0.0	19.4	0.0	256.7	4	
1H	0	13692	28	-229	0	-0	-0	254.5	0.0	19.4	0.0	256.7	4	
1I	0	-11984	-9	109	0	0	0	222.8	0.0	9.2	0.0	223.3	4	
1J	0	-11984	14	109	0	0	-0	222.8	0.0	9.2	0.0	223.3	4	
1K	0	-11984	-9	-150	0	-0	0	222.8	0.0	12.7	0.0	223.8	4	
1L	0	-11984	14	-150	0	-0	-0	222.8	0.0	12.7	0.0	223.8	4	
1M	0	12356	-9	109	0	0	0	229.7	0.0	9.2	0.0	230.2	4	
1N	0	12356	14	109	0	0	-0	229.7	0.0	9.2	0.0	230.2	4	
1O	0	12356	-9	-150	0	-0	0	229.7	0.0	12.7	0.0	230.7	4	
1P	0	12356	14	-150	0	-0	-0	229.7	0.0	12.7	0.0	230.7	4	
2	0	-2550	15	-1	0	0	0	47.4	0.0	0.6	0.0	47.4	3	
7	0	-2906	11	3	0	0	0	54.0	0.0	0.4	0.0	54.0	3	

8	0	-2309	13	-1	0	0	0	42.9	0.0	0.5	0.0	42.9	3
1A	55	-13297	-23	189	0	-104	-13	247.2	36.5	16.0	0.0	283.7	1
1B	55	-13297	28	189	0	-104	16	247.2	38.7	16.0	0.0	285.8	1
1C	55	-13297	-23	-229	0	127	-13	247.2	42.3	19.4	0.0	289.4	1
1D	55	-13297	28	-229	0	127	16	247.2	44.4	19.4	0.0	291.6	1
1E	55	13715	-23	189	0	-104	-13	254.9	36.5	16.0	0.0	291.5	1
1F	55	13715	28	189	0	-104	16	254.9	38.7	16.0	0.0	293.6	1
1G	55	13715	-23	-229	0	127	-13	254.9	42.3	19.4	0.0	297.2	1
1H	55	13715	28	-229	0	127	16	254.9	44.4	19.4	0.0	299.4	1
1I	55	-11961	-9	109	0	-60	-5	222.3	19.4	9.2	0.0	241.7	1
1J	55	-11961	14	109	0	-60	8	222.3	21.5	9.2	0.0	243.8	1
1K	55	-11961	-9	-150	0	83	-5	222.3	25.1	12.7	0.0	247.5	1
1L	55	-11961	14	-150	0	83	8	222.3	27.3	12.7	0.0	249.6	1
1M	55	12379	-9	109	0	-60	-5	230.1	19.4	9.2	0.0	249.5	1
1N	55	12379	14	109	0	-60	8	230.1	21.5	9.2	0.0	251.6	1
1O	55	12379	-9	-150	0	83	-5	230.1	25.1	12.7	0.0	255.2	1
1P	55	12379	14	-150	0	83	8	230.1	27.3	12.7	0.0	257.4	1
2	55	-2520	15	-1	0	1	8	46.8	6.4	0.6	0.0	53.3	1
7	55	-2876	11	3	0	-2	6	53.5	5.0	0.4	0.0	58.5	1
8	55	-2278	13	-1	0	1	7	42.4	5.6	0.5	0.0	48.0	1
1A	111	-13274	-23	189	0	-209	-26	246.7	73.1	16.0	0.0	319.8	1
1B	111	-13274	28	189	0	-209	32	246.7	77.3	16.0	0.0	324.1	1
1C	111	-13274	-23	-229	0	254	-26	246.7	84.6	19.4	0.0	331.3	1
1D	111	-13274	28	-229	0	254	32	246.7	88.9	19.4	0.0	335.6	1
1E	111	13739	-23	189	0	-209	-26	255.4	73.1	16.0	0.0	328.4	1
1F	111	13739	28	189	0	-209	32	255.4	77.3	16.0	0.0	332.7	1
1G	111	13739	-23	-229	0	254	-26	255.4	84.6	19.4	0.0	339.9	1
1H	111	13739	28	-229	0	254	32	255.4	88.9	19.4	0.0	344.2	1
1I	111	-11938	-9	109	0	-121	-10	221.9	38.8	9.2	0.0	260.6	1
1J	111	-11938	14	109	0	-121	16	221.9	43.0	9.2	0.0	264.9	1
1K	111	-11938	-9	-150	0	166	-10	221.9	50.3	12.7	0.0	272.2	1
1L	111	-11938	14	-150	0	166	16	221.9	54.6	12.7	0.0	276.4	1
1M	111	12402	-9	109	0	-121	-10	230.5	38.8	9.2	0.0	269.3	1
1N	111	12402	14	109	0	-121	16	230.5	43.0	9.2	0.0	273.6	1
1O	111	12402	-9	-150	0	166	-10	230.5	50.3	12.7	0.0	280.8	1
1P	111	12402	14	-150	0	166	16	230.5	54.6	12.7	0.0	285.1	1
2	111	-2489	15	-1	0	2	17	46.3	12.9	0.6	0.0	59.1	1
7	111	-2846	11	3	0	-4	12	52.9	10.1	0.4	0.0	63.0	1
8	111	-2248	13	-1	0	1	15	41.8	11.3	0.5	0.0	53.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13321	125	15	23	23	14	1.03	1.00	299.0	
1B	-13321	125	19	23	23	14	1.03	1.00	301.6	
1C	-13321	152	15	23	23	14	1.03	1.00	305.9	
1D	-13321	152	19	23	23	14	1.03	1.00	308.5	
1E	13739	125	15	23	23	14	1.00	1.00	299.2	
1F	13739	125	19	23	23	14	1.00	1.00	301.8	
1G	13739	152	15	23	23	14	1.00	1.00	306.1	
1H	13739	152	19	23	23	14	1.00	1.00	308.7	
1I	-11984	72	6	23	23	14	1.03	1.00	252.8	
1J	-11984	72	10	23	23	14	1.03	1.00	255.3	
1K	-11984	99	6	23	23	14	1.03	1.00	259.7	
1L	-11984	99	10	23	23	14	1.03	1.00	262.3	
1M	12402	72	6	23	23	14	1.00	1.00	253.8	
1N	12402	72	10	23	23	14	1.00	1.00	256.4	
1O	12402	99	6	23	23	14	1.00	1.00	260.7	
1P	12402	99	10	23	23	14	1.00	1.00	263.3	
2	-2550	1	10	23	23	14	1.03	1.00	56.5	
7	-2906	2	7	23	23	14	1.03	1.00	61.7	
8	-2309	1	9	23	23	14	1.03	1.00	51.0	

ASTA NUM. 183 NI 604 NF 869 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-617	-1631	572	0	146	265	11.5	177.2	138.3	0.0	240.0	4	
1B	0	-617	-179	572	0	146	-124	11.5	140.9	21.4	0.0	152.4	1	
1C	0	-617	-1631	-848	0	-216	265	11.5	229.7	138.3	0.0	241.2	1	
1D	0	-617	-179	-848	0	-216	-124	11.5	193.4	31.8	0.0	204.9	1	
1E	0	1633	-1631	572	0	146	265	30.4	177.2	138.3	0.0	241.9	4	
1F	0	1633	-179	572	0	146	-124	30.4	140.9	21.4	0.0	171.3	1	
1G	0	1633	-1631	-848	0	-216	265	30.4	229.7	138.3	0.0	260.0	1	
1H	0	1633	-179	-848	0	-216	-124	30.4	193.4	31.8	0.0	223.8	1	
1I	0	-1841	-2650	866	0	223	602	34.2	321.5	224.7	0.0	391.8	3	
1J	0	-1841	841	866	0	223	-461	34.2	285.2	71.3	0.0	319.4	1	
1K	0	-1841	-2650	-1143	0	-293	602	34.2	374.0	224.7	0.0	408.2	1	
1L	0	-1841	841	-1143	0	-293	-461	34.2	337.7	71.3	0.0	371.9	1	
1M	0	2858	-2650	866	0	223	602	53.1	321.5	224.7	0.0	400.7	3	
1N	0	2858	841	866	0	223	-461	53.1	285.2	71.3	0.0	338.3	1	
1O	0	2858	-2650	-1143	0	-293	602	53.1	374.0	224.7	0.0	427.1	1	
1P	0	2858	841	-1143	0	-293	-461	53.1	337.7	71.3	0.0	390.8	1	

2	0	134	-1697	-166	0	-42	-219	2.5	87.6	143.9	0.0	249.2	4
7	0	147	-1330	-134	0	-34	-176	2.7	70.4	112.8	0.0	195.4	4
8	0	291	-1524	-179	0	-45	-127	5.4	66.6	129.2	0.0	223.9	4
1A	25	-617	-1641	572	0	3	-162	11.5	43.7	139.2	0.0	241.3	4
1B	25	-617	-189	572	0	3	-152	11.5	41.3	21.4	0.0	64.5	3
1C	25	-617	-1641	-848	0	-4	-162	11.5	44.5	139.2	0.0	241.3	4
1D	25	-617	-189	-848	0	-4	-152	11.5	42.0	31.8	0.0	76.3	3
1E	25	1633	-1641	572	0	3	-162	30.4	43.7	139.2	0.0	243.0	4
1F	25	1633	-189	572	0	3	-152	30.4	41.3	21.4	0.0	79.2	3
1G	25	1633	-1641	-848	0	-4	-162	30.4	44.5	139.2	0.0	243.0	4
1H	25	1633	-189	-848	0	-4	-152	30.4	42.0	31.8	0.0	89.1	3
1I	25	-1841	-2661	866	0	6	-73	34.2	23.2	225.6	0.0	392.3	4
1J	25	-1841	830	866	0	6	-241	34.2	66.6	70.4	0.0	151.3	3
1K	25	-1841	-2661	-1143	0	-7	-73	34.2	24.0	225.6	0.0	392.3	4
1L	25	-1841	830	-1143	0	-7	-241	34.2	67.4	70.4	0.0	158.9	3
1M	25	2858	-2661	866	0	6	-73	53.1	23.2	225.6	0.0	394.4	4
1N	25	2858	830	866	0	6	-241	53.1	66.6	70.4	0.0	163.2	3
1O	25	2858	-2661	-1143	0	-7	-73	53.1	24.0	225.6	0.0	394.4	4
1P	25	2858	830	-1143	0	-7	-241	53.1	67.4	70.4	0.0	170.3	3
2	25	134	-1711	-166	0	-0	-645	2.5	166.2	145.1	0.0	268.9	3
7	25	147	-1344	-134	0	-0	-510	2.7	131.4	113.9	0.0	212.1	3
8	25	291	-1538	-179	0	-1	-510	5.4	131.6	130.4	0.0	234.8	3
1A	50	-617	-1652	572	0	-140	-591	11.5	256.9	140.1	0.0	268.4	1
1B	50	-617	-200	572	0	-140	-184	11.5	152.1	21.4	0.0	163.6	1
1C	50	-617	-1652	-848	0	208	-591	11.5	307.9	140.1	0.0	319.4	1
1D	50	-617	-200	-848	0	208	-184	11.5	203.1	31.8	0.0	214.6	1
1E	50	1633	-1652	572	0	-140	-591	30.4	256.9	140.1	0.0	287.3	1
1F	50	1633	-200	572	0	-140	-184	30.4	152.1	21.4	0.0	182.5	1
1G	50	1633	-1652	-848	0	208	-591	30.4	307.9	140.1	0.0	338.3	1
1H	50	1633	-200	-848	0	208	-184	30.4	203.1	31.8	0.0	233.5	1
1I	50	-1841	-2672	866	0	-210	-750	34.2	350.5	226.5	0.0	410.6	3
1J	50	-1841	820	866	0	-210	-24	34.2	163.8	69.5	0.0	198.0	1
1K	50	-1841	-2672	-1143	0	279	-750	34.2	401.5	226.5	0.0	435.8	1
1L	50	-1841	820	-1143	0	279	-24	34.2	214.8	69.5	0.0	249.0	1
1M	50	2858	-2672	866	0	-210	-750	53.1	350.5	226.5	0.0	420.7	3
1N	50	2858	820	866	0	-210	-24	53.1	163.8	69.5	0.0	216.9	1
1O	50	2858	-2672	-1143	0	279	-750	53.1	401.5	226.5	0.0	454.7	1
1P	50	2858	820	-1143	0	279	-24	53.1	214.8	69.5	0.0	267.9	1
2	50	134	-1725	-166	0	41	-1074	2.5	307.0	146.3	0.0	336.5	3
7	50	147	-1357	-134	0	33	-848	2.7	243.2	115.1	0.0	265.8	3
8	50	291	-1551	-179	0	44	-896	5.4	263.5	131.5	0.0	293.3	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-617	58	249	11	7	11	1.00	1.00	119.1	
1B	-617	58	160	11	7	11	1.00	1.00	96.2	
1C	-617	86	249	11	7	11	1.00	1.00	140.1	
1D	-617	86	160	11	7	11	1.00	1.00	117.2	
1E	1633	58	249	11	7	11	1.00	1.00	137.9	
1F	1633	58	160	11	7	11	1.00	1.00	115.1	
1G	1633	86	249	11	7	11	1.00	1.00	159.0	
1H	1633	86	160	11	7	11	1.00	1.00	136.1	
1I	-1841	89	300	11	7	11	1.00	1.00	178.1	
1J	-1841	89	286	11	7	11	1.00	1.00	174.6	
1K	-1841	117	300	11	7	11	1.00	1.00	199.1	
1L	-1841	117	286	11	7	11	1.00	1.00	195.6	
1M	2858	89	300	11	7	11	1.00	1.00	196.9	
1N	2858	89	286	11	7	11	1.00	1.00	193.4	
1O	2858	117	300	11	7	11	1.00	1.00	218.0	
1P	2858	117	286	11	7	11	1.00	1.00	214.4	
2	134	17	732	11	7	11	1.00	1.00	203.3	
7	147	13	579	11	7	11	1.00	1.00	161.8	
8	291	18	588	11	7	11	1.00	1.00	170.4	

ASTA NUM. 184 NI 644 NF 643 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	151	-1707	105	0	40	202	2.8	82.0	144.7	0.0	250.7	4	
1B	0	151	-477	105	0	40	9	2.8	32.4	40.5	0.0	70.2	4	
1C	0	151	-1707	-98	0	-33	202	2.8	76.7	144.7	0.0	250.7	4	
1D	0	151	-477	-98	0	-33	9	2.8	27.1	40.5	0.0	70.2	4	
1E	0	531	-1707	105	0	40	202	9.9	82.0	144.7	0.0	250.9	4	
1F	0	531	-477	105	0	40	9	9.9	32.4	40.5	0.0	70.9	4	
1G	0	531	-1707	-98	0	-33	202	9.9	76.7	144.7	0.0	250.9	4	
1H	0	531	-477	-98	0	-33	9	9.9	27.1	40.5	0.0	70.9	4	
1I	0	-73	-2279	151	0	52	233	1.4	98.9	193.3	0.0	334.7	4	
1J	0	-73	95	151	0	52	-23	1.4	44.8	8.1	0.0	46.1	1	
1K	0	-73	-2279	-143	0	-45	233	1.4	93.6	193.3	0.0	334.7	4	
1L	0	-73	95	-143	0	-45	-23	1.4	39.5	8.1	0.0	40.8	1	
1M	0	755	-2279	151	0	52	233	14.0	98.9	193.3	0.0	335.1	4	
1N	0	755	95	151	0	52	-23	14.0	44.8	8.1	0.0	58.8	1	

1O	0	755	-2279	-143	0	-45	233	14.0	93.6	193.3	0.0	335.1	4
1P	0	755	95	-143	0	-45	-23	14.0	39.5	8.1	0.0	53.5	1
2	0	1667	-5161	42	0	18	580	31.0	162.4	437.6	0.0	758.6	4
7	0	1262	-3926	45	0	19	437	23.5	126.4	332.9	0.0	577.1	4
8	0	1295	-4018	28	0	13	447	24.1	124.6	340.7	0.0	590.6	4
1A	25	151	-1717	105	0	14	-228	2.8	69.0	145.6	0.0	252.2	4
1B	25	151	-488	105	0	14	-111	2.8	38.9	41.4	0.0	71.7	4
1C	25	151	-1717	-98	0	-9	-228	2.8	65.1	145.6	0.0	252.2	4
1D	25	151	-488	-98	0	-9	-111	2.8	34.9	41.4	0.0	71.7	4
1E	25	531	-1717	105	0	14	-228	9.9	69.0	145.6	0.0	252.4	4
1F	25	531	-488	105	0	14	-111	9.9	38.9	41.4	0.0	73.0	3
1G	25	531	-1717	-98	0	-9	-228	9.9	65.1	145.6	0.0	252.4	4
1H	25	531	-488	-98	0	-9	-111	9.9	34.9	41.4	0.0	72.9	3
1I	25	-73	-2290	151	0	14	-339	1.4	97.9	194.2	0.0	336.3	4
1J	25	-73	85	151	0	14	1	1.4	10.9	7.2	0.0	14.9	3
1K	25	-73	-2290	-143	0	-9	-339	1.4	94.0	194.2	0.0	336.3	4
1L	25	-73	85	-143	0	-9	1	1.4	7.0	7.2	0.0	14.5	3
1M	25	755	-2290	151	0	14	-339	14.0	97.9	194.2	0.0	336.6	4
1N	25	755	85	151	0	14	1	14.0	10.9	7.2	0.0	24.9	1
1O	25	755	-2290	-143	0	-9	-339	14.0	94.0	194.2	0.0	336.6	4
1P	25	755	85	-143	0	-9	1	14.0	7.0	7.2	0.0	21.0	1
2	25	1667	-5174	42	0	7	-712	31.0	188.8	438.8	0.0	760.6	4
7	25	1262	-3940	45	0	7	-546	23.5	146.1	334.1	0.0	579.1	4
8	25	1295	-4032	28	0	6	-559	24.1	148.4	341.9	0.0	592.6	4
1A	50	151	-1728	105	0	-12	-659	2.8	179.0	146.5	0.0	272.8	3
1B	50	151	-498	105	0	-12	-232	2.8	69.1	42.2	0.0	86.3	3
1C	50	151	-1728	-98	0	16	-659	2.8	181.5	146.5	0.0	272.9	3
1D	50	151	-498	-98	0	16	-232	2.8	71.6	42.2	0.0	86.3	3
1E	50	531	-1728	105	0	-12	-659	9.9	179.0	146.5	0.0	276.9	3
1F	50	531	-498	105	0	-12	-232	9.9	69.1	42.2	0.0	91.0	3
1G	50	531	-1728	-98	0	16	-659	9.9	181.5	146.5	0.0	276.9	3
1H	50	531	-498	-98	0	16	-232	9.9	71.6	42.2	0.0	91.1	3
1I	50	-73	-2300	151	0	-23	-914	1.4	252.7	195.0	0.0	366.7	3
1J	50	-73	74	151	0	-23	22	1.4	23.3	6.3	0.0	24.6	1
1K	50	-73	-2300	-143	0	27	-914	1.4	255.3	195.0	0.0	366.8	3
1L	50	-73	74	-143	0	27	22	1.4	25.8	6.3	0.0	27.2	1
1M	50	755	-2300	151	0	-23	-914	14.0	252.7	195.0	0.0	374.2	3
1N	50	755	74	151	0	-23	22	14.0	23.3	6.3	0.0	37.3	1
1O	50	755	-2300	-143	0	27	-914	14.0	255.3	195.0	0.0	374.2	3
1P	50	755	74	-143	0	27	22	14.0	25.8	6.3	0.0	39.8	1
2	50	1667	-5188	42	0	-3	-2008	31.0	519.0	439.9	0.0	835.3	3
7	50	1262	-3954	45	0	-4	-1533	23.5	397.3	335.3	0.0	636.9	3
8	50	1295	-4046	28	0	-1	-1569	24.1	404.5	343.1	0.0	651.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	151	19	315	11	7	11	1.00	1.00	98.2	
1B	151	19	136	11	7	11	1.00	1.00	52.1	
1C	151	14	315	11	7	11	1.00	1.00	94.0	
1D	151	14	136	11	7	11	1.00	1.00	48.0	
1E	531	19	315	11	7	11	1.00	1.00	105.3	
1F	531	19	136	11	7	11	1.00	1.00	59.2	
1G	531	14	315	11	7	11	1.00	1.00	101.1	
1H	531	14	136	11	7	11	1.00	1.00	55.0	
1I	-73	22	455	11	7	11	1.00	1.00	134.8	
1J	-73	22	9	11	7	11	1.00	1.00	20.0	
1K	-73	18	455	11	7	11	1.00	1.00	131.9	
1L	-73	18	9	11	7	11	1.00	1.00	17.1	
1M	755	22	455	11	7	11	1.00	1.00	147.4	
1N	755	22	9	11	7	11	1.00	1.00	32.7	
1O	755	18	455	11	7	11	1.00	1.00	144.6	
1P	755	18	9	11	7	11	1.00	1.00	29.8	
2	1667	9	973	11	7	11	1.00	1.00	288.4	
7	1262	10	745	11	7	11	1.00	1.00	222.4	
8	1295	7	763	11	7	11	1.00	1.00	225.8	

ASTA NUM. 185 NI 684 NF 683 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	193	-1394	137	0	60	235	3.6	105.3	118.2	0.0	204.8	4	
1B	0	193	-593	137	0	60	-26	3.6	51.6	50.2	0.0	87.2	4	
1C	0	193	-1394	-102	0	-46	235	3.6	95.0	118.2	0.0	204.8	4	
1D	0	193	-593	-102	0	-46	-26	3.6	41.3	50.2	0.0	87.1	4	
1E	0	441	-1394	137	0	60	235	8.2	105.3	118.2	0.0	204.9	4	
1F	0	441	-593	137	0	60	-26	8.2	51.6	50.2	0.0	87.6	4	
1G	0	441	-1394	-102	0	-46	235	8.2	95.0	118.2	0.0	204.9	4	
1H	0	441	-593	-102	0	-46	-26	8.2	41.3	50.2	0.0	87.5	4	
1I	0	247	-1434	149	0	66	175	4.6	94.2	121.6	0.0	210.7	4	
1J	0	247	-552	149	0	66	34	4.6	57.9	46.8	0.0	81.4	4	
1K	0	247	-1434	-114	0	-52	175	4.6	83.8	121.6	0.0	210.7	4	
1L	0	247	-552	-114	0	-52	34	4.6	47.6	46.8	0.0	81.4	4	

1M	0	387	-1434	149	0	66	175	7.2	94.2	121.6	0.0	210.8	4
1N	0	387	-552	149	0	66	34	7.2	57.9	46.8	0.0	81.6	4
1O	0	387	-1434	-114	0	-52	175	7.2	83.8	121.6	0.0	210.8	4
1P	0	387	-552	-114	0	-52	34	7.2	47.6	46.8	0.0	81.6	4
2	0	1478	-4568	88	0	36	524	27.5	162.1	387.3	0.0	671.5	4
7	0	1170	-3553	87	0	36	418	21.7	134.7	301.3	0.0	522.3	4
8	0	1140	-3547	66	0	27	401	21.2	123.5	300.8	0.0	521.4	4
1A	25	193	-1404	137	0	25	-139	3.6	54.7	119.1	0.0	206.3	4
1B	25	193	-603	137	0	25	-152	3.6	58.1	51.1	0.0	88.6	4
1C	25	193	-1404	-102	0	-20	-139	3.6	51.0	119.1	0.0	206.3	4
1D	25	193	-603	-102	0	-20	-152	3.6	54.3	51.1	0.0	88.6	4
1E	25	441	-1404	137	0	25	-139	8.2	54.7	119.1	0.0	206.4	4
1F	25	441	-603	137	0	25	-152	8.2	58.1	51.1	0.0	90.2	3
1G	25	441	-1404	-102	0	-20	-139	8.2	51.0	119.1	0.0	206.4	4
1H	25	441	-603	-102	0	-20	-152	8.2	54.3	51.1	0.0	89.9	3
1I	25	247	-1444	149	0	28	2	4.6	21.6	122.5	0.0	212.2	4
1J	25	247	-563	149	0	28	-292	4.6	96.3	47.7	0.0	103.4	3
1K	25	247	-1444	-114	0	-23	2	4.6	17.9	122.5	0.0	212.2	4
1L	25	247	-563	-114	0	-23	-292	4.6	92.6	47.7	0.0	103.2	3
1M	25	387	-1444	149	0	28	2	7.2	21.6	122.5	0.0	212.3	4
1N	25	387	-563	149	0	28	-292	7.2	96.3	47.7	0.0	105.3	3
1O	25	387	-1444	-114	0	-23	2	7.2	17.9	122.5	0.0	212.3	4
1P	25	387	-563	-114	0	-23	-292	7.2	92.6	47.7	0.0	105.0	3
2	25	1478	-4582	88	0	14	-620	27.5	170.3	388.5	0.0	673.4	4
7	25	1170	-3566	87	0	14	-472	21.7	132.1	302.4	0.0	524.2	4
8	25	1140	-3560	66	0	11	-487	21.2	133.3	301.9	0.0	523.3	4
1A	50	193	-1415	137	0	-9	-515	3.6	139.3	120.0	0.0	221.0	3
1B	50	193	-613	137	0	-9	-279	3.6	78.6	52.0	0.0	105.2	3
1C	50	193	-1415	-102	0	5	-515	3.6	136.5	120.0	0.0	220.9	3
1D	50	193	-613	-102	0	5	-279	3.6	75.8	52.0	0.0	105.0	3
1E	50	441	-1415	137	0	-9	-515	8.2	139.3	120.0	0.0	223.6	3
1F	50	441	-613	137	0	-9	-279	8.2	78.6	52.0	0.0	108.3	3
1G	50	441	-1415	-102	0	5	-515	8.2	136.5	120.0	0.0	223.5	3
1H	50	441	-613	-102	0	5	-279	8.2	75.8	52.0	0.0	108.0	3
1I	50	247	-1455	149	0	-9	-174	4.6	51.6	123.3	0.0	213.7	4
1J	50	247	-573	149	0	-9	-621	4.6	166.4	48.6	0.0	171.0	1
1K	50	247	-1455	-114	0	5	-174	4.6	48.7	123.3	0.0	213.7	4
1L	50	247	-573	-114	0	5	-621	4.6	163.6	48.6	0.0	168.1	1
1M	50	387	-1455	149	0	-9	-174	7.2	51.6	123.3	0.0	213.8	4
1N	50	387	-573	149	0	-9	-621	7.2	166.4	48.6	0.0	173.6	1
1O	50	387	-1455	-114	0	5	-174	7.2	48.7	123.3	0.0	213.8	4
1P	50	387	-573	-114	0	5	-621	7.2	163.6	48.6	0.0	170.8	1
2	50	1478	-4595	88	0	-8	-1767	27.5	460.4	389.6	0.0	738.3	3
7	50	1170	-3580	87	0	-7	-1365	21.7	356.7	303.6	0.0	573.9	3
8	50	1140	-3574	66	0	-6	-1379	21.2	359.3	303.0	0.0	574.8	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	193	32	215	11	7	11	1.00	1.00	83.1	
1B	193	32	178	11	7	11	1.00	1.00	73.7	
1C	193	26	215	11	7	11	1.00	1.00	78.0	
1D	193	26	178	11	7	11	1.00	1.00	68.6	
1E	441	32	215	11	7	11	1.00	1.00	87.7	
1F	441	32	178	11	7	11	1.00	1.00	78.3	
1G	441	26	215	11	7	11	1.00	1.00	82.6	
1H	441	26	178	11	7	11	1.00	1.00	73.2	
1I	247	36	70	11	7	11	1.00	1.00	49.4	
1J	247	36	359	11	7	11	1.00	1.00	123.7	
1K	247	29	70	11	7	11	1.00	1.00	44.3	
1L	247	29	359	11	7	11	1.00	1.00	118.6	
1M	387	36	70	11	7	11	1.00	1.00	52.0	
1N	387	36	359	11	7	11	1.00	1.00	126.3	
1O	387	29	70	11	7	11	1.00	1.00	46.9	
1P	387	29	359	11	7	11	1.00	1.00	121.2	
2	1478	19	851	11	7	11	1.00	1.00	260.4	
7	1170	19	652	11	7	11	1.00	1.00	203.4	
8	1140	14	667	11	7	11	1.00	1.00	203.2	

ASTA NUM. 186 NI 612 NF 620 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-275	-357	5	0	1	89								Tipo di acciaio non contemplato
1B	0	-275	509	5	0	1	-127								Tipo di acciaio non contemplato
1C	0	-275	-357	-3	0	0	89								Tipo di acciaio non contemplato
1D	0	-275	509	-3	0	0	-127								Tipo di acciaio non contemplato
1E	0	753	-357	5	0	1	89								Tipo di acciaio non contemplato
1F	0	753	509	5	0	1	-127								Tipo di acciaio non contemplato
1G	0	753	-357	-3	0	0	89								Tipo di acciaio non contemplato
1H	0	753	509	-3	0	0	-127								Tipo di acciaio non contemplato
1I	0	-331	-743	4	0	0	186								Tipo di acciaio non contemplato
1J	0	-331	895	4	0	0	-224								Tipo di acciaio non contemplato

1K	0	-331	-743	-2	0	0	186	Tipo di acciaio non contemplato
1L	0	-331	895	-2	0	0	-224	Tipo di acciaio non contemplato
1M	0	808	-743	4	0	0	186	Tipo di acciaio non contemplato
1N	0	808	895	4	0	0	-224	Tipo di acciaio non contemplato
1O	0	808	-743	-2	0	0	186	Tipo di acciaio non contemplato
1P	0	808	895	-2	0	0	-224	Tipo di acciaio non contemplato
2	0	220	-139	2	0	0	35	Tipo di acciaio non contemplato
7	0	197	-147	2	0	0	37	Tipo di acciaio non contemplato
8	0	242	-73	2	0	0	18	Tipo di acciaio non contemplato
1A	25	-275	-359	5	0	0	0	Tipo di acciaio non contemplato
1B	25	-275	507	5	0	0	0	Tipo di acciaio non contemplato
1C	25	-275	-359	-3	0	0	0	Tipo di acciaio non contemplato
1D	25	-275	507	-3	0	0	0	Tipo di acciaio non contemplato
1E	25	753	-359	5	0	0	0	Tipo di acciaio non contemplato
1F	25	753	507	5	0	0	0	Tipo di acciaio non contemplato
1G	25	753	-359	-3	0	0	0	Tipo di acciaio non contemplato
1H	25	753	507	-3	0	0	0	Tipo di acciaio non contemplato
1I	25	-331	-745	4	0	0	0	Tipo di acciaio non contemplato
1J	25	-331	893	4	0	0	0	Tipo di acciaio non contemplato
1K	25	-331	-745	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	-331	893	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	808	-745	4	0	0	0	Tipo di acciaio non contemplato
1N	25	808	893	4	0	0	0	Tipo di acciaio non contemplato
1O	25	808	-745	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	808	893	-2	0	0	0	Tipo di acciaio non contemplato
2	25	220	-142	2	0	0	0	Tipo di acciaio non contemplato
7	25	197	-150	2	0	0	0	Tipo di acciaio non contemplato
8	25	242	-76	2	0	0	0	Tipo di acciaio non contemplato
1A	50	-275	-362	5	0	-1	-90	Tipo di acciaio non contemplato
1B	50	-275	505	5	0	-1	127	Tipo di acciaio non contemplato
1C	50	-275	-362	-3	0	0	-90	Tipo di acciaio non contemplato
1D	50	-275	505	-3	0	0	127	Tipo di acciaio non contemplato
1E	50	753	-362	5	0	-1	-90	Tipo di acciaio non contemplato
1F	50	753	505	5	0	-1	127	Tipo di acciaio non contemplato
1G	50	753	-362	-3	0	0	-90	Tipo di acciaio non contemplato
1H	50	753	505	-3	0	0	127	Tipo di acciaio non contemplato
1I	50	-331	-748	4	0	-1	-187	Tipo di acciaio non contemplato
1J	50	-331	891	4	0	-1	223	Tipo di acciaio non contemplato
1K	50	-331	-748	-2	0	0	-187	Tipo di acciaio non contemplato
1L	50	-331	891	-2	0	0	223	Tipo di acciaio non contemplato
1M	50	808	-748	4	0	-1	-187	Tipo di acciaio non contemplato
1N	50	808	891	4	0	-1	223	Tipo di acciaio non contemplato
1O	50	808	-748	-2	0	0	-187	Tipo di acciaio non contemplato
1P	50	808	891	-2	0	0	223	Tipo di acciaio non contemplato
2	50	220	-145	2	0	0	-36	Tipo di acciaio non contemplato
7	50	197	-153	2	0	0	-38	Tipo di acciaio non contemplato
8	50	242	-79	2	0	0	-20	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-275	1	36								Tipo di acciaio non contemplato
1B	-275	1	51								Tipo di acciaio non contemplato
1C	-275	0	36								Tipo di acciaio non contemplato
1D	-275	0	51								Tipo di acciaio non contemplato
1E	753	1	36								Tipo di acciaio non contemplato
1F	753	1	51								Tipo di acciaio non contemplato
1G	753	0	36								Tipo di acciaio non contemplato
1H	753	0	51								Tipo di acciaio non contemplato
1I	-331	0	75								Tipo di acciaio non contemplato
1J	-331	0	89								Tipo di acciaio non contemplato
1K	-331	0	75								Tipo di acciaio non contemplato
1L	-331	0	89								Tipo di acciaio non contemplato
1M	808	0	75								Tipo di acciaio non contemplato
1N	808	0	89								Tipo di acciaio non contemplato
1O	808	0	75								Tipo di acciaio non contemplato
1P	808	0	89								Tipo di acciaio non contemplato
2	220	0	14								Tipo di acciaio non contemplato
7	197	0	15								Tipo di acciaio non contemplato
8	242	0	8								Tipo di acciaio non contemplato

ASTA NUM. 187 NI 652 NF 660 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-243	-165	4	0	0	41								Tipo di acciaio non contemplato
1B	0	-243	329	4	0	0	-82								Tipo di acciaio non contemplato
1C	0	-243	-165	-4	0	0	41								Tipo di acciaio non contemplato
1D	0	-243	329	-4	0	0	-82								Tipo di acciaio non contemplato
1E	0	444	-165	4	0	0	41								Tipo di acciaio non contemplato
1F	0	444	329	4	0	0	-82								Tipo di acciaio non contemplato
1G	0	444	-165	-4	0	0	41								Tipo di acciaio non contemplato
1H	0	444	329	-4	0	0	-82								Tipo di acciaio non contemplato

1I	0	-284	-336	3	0	0	84	Tipo di acciaio non contemplato
1J	0	-284	500	3	0	0	-125	Tipo di acciaio non contemplato
1K	0	-284	-336	-3	0	0	84	Tipo di acciaio non contemplato
1L	0	-284	500	-3	0	0	-125	Tipo di acciaio non contemplato
1M	0	485	-336	3	0	0	84	Tipo di acciaio non contemplato
1N	0	485	500	3	0	0	-125	Tipo di acciaio non contemplato
1O	0	485	-336	-3	0	0	84	Tipo di acciaio non contemplato
1P	0	485	500	-3	0	0	-125	Tipo di acciaio non contemplato
2	0	256	294	1	0	0	-73	Tipo di acciaio non contemplato
7	0	182	192	0	0	0	-48	Tipo di acciaio non contemplato
8	0	212	230	0	0	0	-57	Tipo di acciaio non contemplato
1A	25	-243	-167	4	0	0	0	Tipo di acciaio non contemplato
1B	25	-243	327	4	0	0	0	Tipo di acciaio non contemplato
1C	25	-243	-167	-4	0	0	0	Tipo di acciaio non contemplato
1D	25	-243	327	-4	0	0	0	Tipo di acciaio non contemplato
1E	25	444	-167	4	0	0	0	Tipo di acciaio non contemplato
1F	25	444	327	4	0	0	0	Tipo di acciaio non contemplato
1G	25	444	-167	-4	0	0	0	Tipo di acciaio non contemplato
1H	25	444	327	-4	0	0	0	Tipo di acciaio non contemplato
1I	25	-284	-338	3	0	0	0	Tipo di acciaio non contemplato
1J	25	-284	498	3	0	0	0	Tipo di acciaio non contemplato
1K	25	-284	-338	-3	0	0	0	Tipo di acciaio non contemplato
1L	25	-284	498	-3	0	0	0	Tipo di acciaio non contemplato
1M	25	485	-338	3	0	0	0	Tipo di acciaio non contemplato
1N	25	485	498	3	0	0	0	Tipo di acciaio non contemplato
1O	25	485	-338	-3	0	0	0	Tipo di acciaio non contemplato
1P	25	485	498	-3	0	0	0	Tipo di acciaio non contemplato
2	25	256	291	1	0	0	0	Tipo di acciaio non contemplato
7	25	182	189	0	0	0	0	Tipo di acciaio non contemplato
8	25	212	227	0	0	0	0	Tipo di acciaio non contemplato
1A	50	-243	-169	4	0	-2	-42	Tipo di acciaio non contemplato
1B	50	-243	324	4	0	-2	82	Tipo di acciaio non contemplato
1C	50	-243	-169	-4	0	2	-42	Tipo di acciaio non contemplato
1D	50	-243	324	-4	0	2	82	Tipo di acciaio non contemplato
1E	50	444	-169	4	0	-2	-42	Tipo di acciaio non contemplato
1F	50	444	324	4	0	-2	82	Tipo di acciaio non contemplato
1G	50	444	-169	-4	0	2	-42	Tipo di acciaio non contemplato
1H	50	444	324	-4	0	2	82	Tipo di acciaio non contemplato
1I	50	-284	-341	3	0	0	-85	Tipo di acciaio non contemplato
1J	50	-284	496	3	0	0	124	Tipo di acciaio non contemplato
1K	50	-284	-341	-3	0	0	-85	Tipo di acciaio non contemplato
1L	50	-284	496	-3	0	0	124	Tipo di acciaio non contemplato
1M	50	485	-341	3	0	0	-85	Tipo di acciaio non contemplato
1N	50	485	496	3	0	0	124	Tipo di acciaio non contemplato
1O	50	485	-341	-3	0	0	-85	Tipo di acciaio non contemplato
1P	50	485	496	-3	0	0	124	Tipo di acciaio non contemplato
2	50	256	288	1	0	0	72	Tipo di acciaio non contemplato
7	50	182	186	0	0	0	47	Tipo di acciaio non contemplato
8	50	212	224	0	0	0	56	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-243	1	17								Tipo di acciaio non contemplato
1B	-243	1	33								Tipo di acciaio non contemplato
1C	-243	1	17								Tipo di acciaio non contemplato
1D	-243	1	33								Tipo di acciaio non contemplato
1E	444	1	17								Tipo di acciaio non contemplato
1F	444	1	33								Tipo di acciaio non contemplato
1G	444	1	17								Tipo di acciaio non contemplato
1H	444	1	33								Tipo di acciaio non contemplato
1I	-284	0	34								Tipo di acciaio non contemplato
1J	-284	0	50								Tipo di acciaio non contemplato
1K	-284	0	34								Tipo di acciaio non contemplato
1L	-284	0	50								Tipo di acciaio non contemplato
1M	485	0	34								Tipo di acciaio non contemplato
1N	485	0	50								Tipo di acciaio non contemplato
1O	485	0	34								Tipo di acciaio non contemplato
1P	485	0	50								Tipo di acciaio non contemplato
2	256	0	29								Tipo di acciaio non contemplato
7	182	0	19								Tipo di acciaio non contemplato
8	212	0	23								Tipo di acciaio non contemplato

ASTA NUM. 188 NI 692 NF 700 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-330	-189	11	0	5	47								Tipo di acciaio non contemplato
1B	0	-330	354	11	0	5	-88								Tipo di acciaio non contemplato
1C	0	-330	-189	-10	0	-4	47								Tipo di acciaio non contemplato
1D	0	-330	354	-10	0	-4	-88								Tipo di acciaio non contemplato
1E	0	477	-189	11	0	5	47								Tipo di acciaio non contemplato
1F	0	477	354	11	0	5	-88								Tipo di acciaio non contemplato

1G	0	477	-189	-10	0	-4	47	Tipo di acciaio non contemplato
1H	0	477	354	-10	0	-4	-88	Tipo di acciaio non contemplato
1I	0	-121	-180	5	0	2	45	Tipo di acciaio non contemplato
1J	0	-121	345	5	0	2	-86	Tipo di acciaio non contemplato
1K	0	-121	-180	-4	0	-2	45	Tipo di acciaio non contemplato
1L	0	-121	345	-4	0	-2	-86	Tipo di acciaio non contemplato
1M	0	268	-180	5	0	2	45	Tipo di acciaio non contemplato
1N	0	268	345	5	0	2	-86	Tipo di acciaio non contemplato
1O	0	268	-180	-4	0	-2	45	Tipo di acciaio non contemplato
1P	0	268	345	-4	0	-2	-86	Tipo di acciaio non contemplato
2	0	194	262	-0	0	0	-65	Tipo di acciaio non contemplato
7	0	151	192	-0	0	0	-48	Tipo di acciaio non contemplato
8	0	153	201	-0	0	0	-50	Tipo di acciaio non contemplato
1A	25	-330	-192	11	0	2	0	Tipo di acciaio non contemplato
1B	25	-330	352	11	0	2	0	Tipo di acciaio non contemplato
1C	25	-330	-192	-10	0	-2	0	Tipo di acciaio non contemplato
1D	25	-330	352	-10	0	-2	0	Tipo di acciaio non contemplato
1E	25	477	-192	11	0	2	0	Tipo di acciaio non contemplato
1F	25	477	352	11	0	2	0	Tipo di acciaio non contemplato
1G	25	477	-192	-10	0	-2	0	Tipo di acciaio non contemplato
1H	25	477	352	-10	0	-2	0	Tipo di acciaio non contemplato
1I	25	-121	-182	5	0	1	0	Tipo di acciaio non contemplato
1J	25	-121	343	5	0	1	0	Tipo di acciaio non contemplato
1K	25	-121	-182	-4	0	-1	0	Tipo di acciaio non contemplato
1L	25	-121	343	-4	0	-1	0	Tipo di acciaio non contemplato
1M	25	268	-182	5	0	1	0	Tipo di acciaio non contemplato
1N	25	268	343	5	0	1	0	Tipo di acciaio non contemplato
1O	25	268	-182	-4	0	-1	0	Tipo di acciaio non contemplato
1P	25	268	343	-4	0	-1	0	Tipo di acciaio non contemplato
2	25	194	260	-0	0	0	0	Tipo di acciaio non contemplato
7	25	151	189	-0	0	0	0	Tipo di acciaio non contemplato
8	25	153	198	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	-330	-194	11	0	0	-48	Tipo di acciaio non contemplato
1B	50	-330	350	11	0	0	88	Tipo di acciaio non contemplato
1C	50	-330	-194	-10	0	0	-48	Tipo di acciaio non contemplato
1D	50	-330	350	-10	0	0	88	Tipo di acciaio non contemplato
1E	50	477	-194	11	0	0	-48	Tipo di acciaio non contemplato
1F	50	477	350	11	0	0	88	Tipo di acciaio non contemplato
1G	50	477	-194	-10	0	0	-48	Tipo di acciaio non contemplato
1H	50	477	350	-10	0	0	88	Tipo di acciaio non contemplato
1I	50	-121	-185	5	0	0	-46	Tipo di acciaio non contemplato
1J	50	-121	341	5	0	0	86	Tipo di acciaio non contemplato
1K	50	-121	-185	-4	0	0	-46	Tipo di acciaio non contemplato
1L	50	-121	341	-4	0	0	86	Tipo di acciaio non contemplato
1M	50	268	-185	5	0	0	-46	Tipo di acciaio non contemplato
1N	50	268	341	5	0	0	86	Tipo di acciaio non contemplato
1O	50	268	-185	-4	0	0	-46	Tipo di acciaio non contemplato
1P	50	268	341	-4	0	0	86	Tipo di acciaio non contemplato
2	50	194	257	-0	0	0	65	Tipo di acciaio non contemplato
7	50	151	186	-0	0	0	47	Tipo di acciaio non contemplato
8	50	153	195	-0	0	0	49	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-330	3	19								Tipo di acciaio non contemplato
1B	-330	3	35								Tipo di acciaio non contemplato
1C	-330	2	19								Tipo di acciaio non contemplato
1D	-330	2	35								Tipo di acciaio non contemplato
1E	477	3	19								Tipo di acciaio non contemplato
1F	477	3	35								Tipo di acciaio non contemplato
1G	477	2	19								Tipo di acciaio non contemplato
1H	477	2	35								Tipo di acciaio non contemplato
1I	-121	2	18								Tipo di acciaio non contemplato
1J	-121	2	34								Tipo di acciaio non contemplato
1K	-121	1	18								Tipo di acciaio non contemplato
1L	-121	1	34								Tipo di acciaio non contemplato
1M	268	2	18								Tipo di acciaio non contemplato
1N	268	2	34								Tipo di acciaio non contemplato
1O	268	1	18								Tipo di acciaio non contemplato
1P	268	1	34								Tipo di acciaio non contemplato
2	194	0	26								Tipo di acciaio non contemplato
7	151	0	19								Tipo di acciaio non contemplato
8	153	0	20								Tipo di acciaio non contemplato

ASTA NUM. 189 NI 611 NF 619 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-82	-311	37	0	18	78								Tipo di acciaio non contemplato
1B	0	-82	490	37	0	18	-122								Tipo di acciaio non contemplato
1C	0	-82	-311	-55	0	-26	78								Tipo di acciaio non contemplato
1D	0	-82	490	-55	0	-26	-122								Tipo di acciaio non contemplato

1E	0	661	-311	37	0	18	78	Tipo di acciaio non contemplato
1F	0	661	490	37	0	18	-122	Tipo di acciaio non contemplato
1G	0	661	-311	-55	0	-26	78	Tipo di acciaio non contemplato
1H	0	661	490	-55	0	-26	-122	Tipo di acciaio non contemplato
1I	0	93	-605	14	0	6	151	Tipo di acciaio non contemplato
1J	0	93	784	14	0	6	-195	Tipo di acciaio non contemplato
1K	0	93	-605	-31	0	-15	151	Tipo di acciaio non contemplato
1L	0	93	784	-31	0	-15	-195	Tipo di acciaio non contemplato
1M	0	486	-605	14	0	6	151	Tipo di acciaio non contemplato
1N	0	486	784	14	0	6	-195	Tipo di acciaio non contemplato
1O	0	486	-605	-31	0	-15	151	Tipo di acciaio non contemplato
1P	0	486	784	-31	0	-15	-195	Tipo di acciaio non contemplato
2	0	488	-74	-8	0	-4	19	Tipo di acciaio non contemplato
7	0	461	-82	-9	0	-4	21	Tipo di acciaio non contemplato
8	0	454	-21	-9	0	-4	6	Tipo di acciaio non contemplato
1A	25	-82	-313	37	0	8	0	Tipo di acciaio non contemplato
1B	25	-82	488	37	0	8	0	Tipo di acciaio non contemplato
1C	25	-82	-313	-55	0	-12	0	Tipo di acciaio non contemplato
1D	25	-82	488	-55	0	-12	0	Tipo di acciaio non contemplato
1E	25	661	-313	37	0	8	0	Tipo di acciaio non contemplato
1F	25	661	488	37	0	8	0	Tipo di acciaio non contemplato
1G	25	661	-313	-55	0	-12	0	Tipo di acciaio non contemplato
1H	25	661	488	-55	0	-12	0	Tipo di acciaio non contemplato
1I	25	93	-608	14	0	3	0	Tipo di acciaio non contemplato
1J	25	93	782	14	0	3	0	Tipo di acciaio non contemplato
1K	25	93	-608	-31	0	-7	0	Tipo di acciaio non contemplato
1L	25	93	782	-31	0	-7	0	Tipo di acciaio non contemplato
1M	25	486	-608	14	0	3	0	Tipo di acciaio non contemplato
1N	25	486	782	14	0	3	0	Tipo di acciaio non contemplato
1O	25	486	-608	-31	0	-7	0	Tipo di acciaio non contemplato
1P	25	486	782	-31	0	-7	0	Tipo di acciaio non contemplato
2	25	488	-77	-8	0	-2	0	Tipo di acciaio non contemplato
7	25	461	-85	-9	0	-2	0	Tipo di acciaio non contemplato
8	25	454	-24	-9	0	-2	0	Tipo di acciaio non contemplato
1A	50	-82	-316	37	0	-1	-79	Tipo di acciaio non contemplato
1B	50	-82	485	37	0	-1	122	Tipo di acciaio non contemplato
1C	50	-82	-316	-55	0	1	-79	Tipo di acciaio non contemplato
1D	50	-82	485	-55	0	1	122	Tipo di acciaio non contemplato
1E	50	661	-316	37	0	-1	-79	Tipo di acciaio non contemplato
1F	50	661	485	37	0	-1	122	Tipo di acciaio non contemplato
1G	50	661	-316	-55	0	1	-79	Tipo di acciaio non contemplato
1H	50	661	485	-55	0	1	122	Tipo di acciaio non contemplato
1I	50	93	-610	14	0	0	-153	Tipo di acciaio non contemplato
1J	50	93	779	14	0	0	196	Tipo di acciaio non contemplato
1K	50	93	-610	-31	0	0	-153	Tipo di acciaio non contemplato
1L	50	93	779	-31	0	0	196	Tipo di acciaio non contemplato
1M	50	486	-610	14	0	0	-153	Tipo di acciaio non contemplato
1N	50	486	779	14	0	0	196	Tipo di acciaio non contemplato
1O	50	486	-610	-31	0	0	-153	Tipo di acciaio non contemplato
1P	50	486	779	-31	0	0	196	Tipo di acciaio non contemplato
2	50	488	-80	-8	0	0	-20	Tipo di acciaio non contemplato
7	50	461	-88	-9	0	0	-22	Tipo di acciaio non contemplato
8	50	454	-27	-9	0	0	-6	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-82	10	31								Tipo di acciaio non contemplato
1B	-82	10	49								Tipo di acciaio non contemplato
1C	-82	15	31								Tipo di acciaio non contemplato
1D	-82	15	49								Tipo di acciaio non contemplato
1E	661	10	31								Tipo di acciaio non contemplato
1F	661	10	49								Tipo di acciaio non contemplato
1G	661	15	31								Tipo di acciaio non contemplato
1H	661	15	49								Tipo di acciaio non contemplato
1I	93	4	61								Tipo di acciaio non contemplato
1J	93	4	78								Tipo di acciaio non contemplato
1K	93	9	61								Tipo di acciaio non contemplato
1L	93	9	78								Tipo di acciaio non contemplato
1M	486	4	61								Tipo di acciaio non contemplato
1N	486	4	78								Tipo di acciaio non contemplato
1O	486	9	61								Tipo di acciaio non contemplato
1P	486	9	78								Tipo di acciaio non contemplato
2	488	2	8								Tipo di acciaio non contemplato
7	461	2	9								Tipo di acciaio non contemplato
8	454	2	3								Tipo di acciaio non contemplato

ASTA NUM. 190 NI 651 NF 659 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-233	-131	20	0	10	33								Tipo di acciaio non contemplato
1B	0	-233	288	20	0	10	-71								Tipo di acciaio non contemplato

1C	0	-233	-131	-21	0	-10	33	Tipo di acciaio non contemplato
1D	0	-233	288	-21	0	-10	-71	Tipo di acciaio non contemplato
1E	0	396	-131	20	0	10	33	Tipo di acciaio non contemplato
1F	0	396	288	20	0	10	-71	Tipo di acciaio non contemplato
1G	0	396	-131	-21	0	-10	33	Tipo di acciaio non contemplato
1H	0	396	288	-21	0	-10	-71	Tipo di acciaio non contemplato
1I	0	-23	-261	11	0	5	65	Tipo di acciaio non contemplato
1J	0	-23	418	11	0	5	-104	Tipo di acciaio non contemplato
1K	0	-23	-261	-12	0	-6	65	Tipo di acciaio non contemplato
1L	0	-23	418	-12	0	-6	-104	Tipo di acciaio non contemplato
1M	0	186	-261	11	0	5	65	Tipo di acciaio non contemplato
1N	0	186	418	11	0	5	-104	Tipo di acciaio non contemplato
1O	0	186	-261	-12	0	-6	65	Tipo di acciaio non contemplato
1P	0	186	418	-12	0	-6	-104	Tipo di acciaio non contemplato
2	0	271	299	2	0	1	-74	Tipo di acciaio non contemplato
7	0	223	203	2	0	1	-50	Tipo di acciaio non contemplato
8	0	223	233	1	0	0	-58	Tipo di acciaio non contemplato
1A	25	-233	-133	20	0	5	0	Tipo di acciaio non contemplato
1B	25	-233	285	20	0	5	0	Tipo di acciaio non contemplato
1C	25	-233	-133	-21	0	-5	0	Tipo di acciaio non contemplato
1D	25	-233	285	-21	0	-5	0	Tipo di acciaio non contemplato
1E	25	396	-133	20	0	5	0	Tipo di acciaio non contemplato
1F	25	396	285	20	0	5	0	Tipo di acciaio non contemplato
1G	25	396	-133	-21	0	-5	0	Tipo di acciaio non contemplato
1H	25	396	285	-21	0	-5	0	Tipo di acciaio non contemplato
1I	25	-23	-264	11	0	3	0	Tipo di acciaio non contemplato
1J	25	-23	416	11	0	3	0	Tipo di acciaio non contemplato
1K	25	-23	-264	-12	0	-3	0	Tipo di acciaio non contemplato
1L	25	-23	416	-12	0	-3	0	Tipo di acciaio non contemplato
1M	25	186	-264	11	0	3	0	Tipo di acciaio non contemplato
1N	25	186	416	11	0	3	0	Tipo di acciaio non contemplato
1O	25	186	-264	-12	0	-3	0	Tipo di acciaio non contemplato
1P	25	186	416	-12	0	-3	0	Tipo di acciaio non contemplato
2	25	271	296	2	0	0	0	Tipo di acciaio non contemplato
7	25	223	200	2	0	0	0	Tipo di acciaio non contemplato
8	25	223	230	1	0	0	0	Tipo di acciaio non contemplato
1A	50	-233	-135	20	0	0	-34	Tipo di acciaio non contemplato
1B	50	-233	283	20	0	0	71	Tipo di acciaio non contemplato
1C	50	-233	-135	-21	0	0	-34	Tipo di acciaio non contemplato
1D	50	-233	283	-21	0	0	71	Tipo di acciaio non contemplato
1E	50	396	-135	20	0	0	-34	Tipo di acciaio non contemplato
1F	50	396	283	20	0	0	71	Tipo di acciaio non contemplato
1G	50	396	-135	-21	0	0	-34	Tipo di acciaio non contemplato
1H	50	396	283	-21	0	0	71	Tipo di acciaio non contemplato
1I	50	-23	-266	11	0	0	-66	Tipo di acciaio non contemplato
1J	50	-23	414	11	0	0	104	Tipo di acciaio non contemplato
1K	50	-23	-266	-12	0	0	-66	Tipo di acciaio non contemplato
1L	50	-23	414	-12	0	0	104	Tipo di acciaio non contemplato
1M	50	186	-266	11	0	0	-66	Tipo di acciaio non contemplato
1N	50	186	414	11	0	0	104	Tipo di acciaio non contemplato
1O	50	186	-266	-12	0	0	-66	Tipo di acciaio non contemplato
1P	50	186	414	-12	0	0	104	Tipo di acciaio non contemplato
2	50	271	293	2	0	0	74	Tipo di acciaio non contemplato
7	50	223	197	2	0	0	50	Tipo di acciaio non contemplato
8	50	223	227	1	0	0	57	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-233	6	13								Tipo di acciaio non contemplato
1B	-233	6	29								Tipo di acciaio non contemplato
1C	-233	6	13								Tipo di acciaio non contemplato
1D	-233	6	29								Tipo di acciaio non contemplato
1E	396	6	13								Tipo di acciaio non contemplato
1F	396	6	29								Tipo di acciaio non contemplato
1G	396	6	13								Tipo di acciaio non contemplato
1H	396	6	29								Tipo di acciaio non contemplato
1I	-23	3	27								Tipo di acciaio non contemplato
1J	-23	3	42								Tipo di acciaio non contemplato
1K	-23	3	27								Tipo di acciaio non contemplato
1L	-23	3	42								Tipo di acciaio non contemplato
1M	186	3	27								Tipo di acciaio non contemplato
1N	186	3	42								Tipo di acciaio non contemplato
1O	186	3	27								Tipo di acciaio non contemplato
1P	186	3	42								Tipo di acciaio non contemplato
2	271	1	30								Tipo di acciaio non contemplato
7	223	1	20								Tipo di acciaio non contemplato
8	223	1	23								Tipo di acciaio non contemplato

ASTA NUM. 191 NI 691 NF 699 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-381	-175	18	0	9	44	Tipo di acciaio non contemplato
1B	0	-381	333	18	0	9	-83	Tipo di acciaio non contemplato
1C	0	-381	-175	-19	0	-10	44	Tipo di acciaio non contemplato
1D	0	-381	333	-19	0	-10	-83	Tipo di acciaio non contemplato
1E	0	489	-175	18	0	9	44	Tipo di acciaio non contemplato
1F	0	489	333	18	0	9	-83	Tipo di acciaio non contemplato
1G	0	489	-175	-19	0	-10	44	Tipo di acciaio non contemplato
1H	0	489	333	-19	0	-10	-83	Tipo di acciaio non contemplato
1I	0	-135	-147	9	0	4	37	Tipo di acciaio non contemplato
1J	0	-135	305	9	0	4	-76	Tipo di acciaio non contemplato
1K	0	-135	-147	-10	0	-5	37	Tipo di acciaio non contemplato
1L	0	-135	305	-10	0	-5	-76	Tipo di acciaio non contemplato
1M	0	243	-147	9	0	4	37	Tipo di acciaio non contemplato
1N	0	243	305	9	0	4	-76	Tipo di acciaio non contemplato
1O	0	243	-147	-10	0	-5	37	Tipo di acciaio non contemplato
1P	0	243	305	-10	0	-5	-76	Tipo di acciaio non contemplato
2	0	183	261	-1	0	0	-65	Tipo di acciaio non contemplato
7	0	155	194	-1	0	0	-48	Tipo di acciaio non contemplato
8	0	149	201	-1	0	0	-50	Tipo di acciaio non contemplato
1A	25	-381	-177	18	0	5	0	Tipo di acciaio non contemplato
1B	25	-381	330	18	0	5	0	Tipo di acciaio non contemplato
1C	25	-381	-177	-19	0	-5	0	Tipo di acciaio non contemplato
1D	25	-381	330	-19	0	-5	0	Tipo di acciaio non contemplato
1E	25	489	-177	18	0	5	0	Tipo di acciaio non contemplato
1F	25	489	330	18	0	5	0	Tipo di acciaio non contemplato
1G	25	489	-177	-19	0	-5	0	Tipo di acciaio non contemplato
1H	25	489	330	-19	0	-5	0	Tipo di acciaio non contemplato
1I	25	-135	-149	9	0	2	0	Tipo di acciaio non contemplato
1J	25	-135	302	9	0	2	0	Tipo di acciaio non contemplato
1K	25	-135	-149	-10	0	-3	0	Tipo di acciaio non contemplato
1L	25	-135	302	-10	0	-3	0	Tipo di acciaio non contemplato
1M	25	243	-149	9	0	2	0	Tipo di acciaio non contemplato
1N	25	243	302	9	0	2	0	Tipo di acciaio non contemplato
1O	25	243	-149	-10	0	-3	0	Tipo di acciaio non contemplato
1P	25	243	302	-10	0	-3	0	Tipo di acciaio non contemplato
2	25	183	259	-1	0	0	0	Tipo di acciaio non contemplato
7	25	155	191	-1	0	0	0	Tipo di acciaio non contemplato
8	25	149	198	-1	0	0	0	Tipo di acciaio non contemplato
1A	50	-381	-179	18	0	0	-44	Tipo di acciaio non contemplato
1B	50	-381	328	18	0	0	82	Tipo di acciaio non contemplato
1C	50	-381	-179	-19	0	0	-44	Tipo di acciaio non contemplato
1D	50	-381	328	-19	0	0	82	Tipo di acciaio non contemplato
1E	50	489	-179	18	0	0	-44	Tipo di acciaio non contemplato
1F	50	489	328	18	0	0	82	Tipo di acciaio non contemplato
1G	50	489	-179	-19	0	0	-44	Tipo di acciaio non contemplato
1H	50	489	328	-19	0	0	82	Tipo di acciaio non contemplato
1I	50	-135	-151	9	0	0	-37	Tipo di acciaio non contemplato
1J	50	-135	300	9	0	0	76	Tipo di acciaio non contemplato
1K	50	-135	-151	-10	0	0	-37	Tipo di acciaio non contemplato
1L	50	-135	300	-10	0	0	76	Tipo di acciaio non contemplato
1M	50	243	-151	9	0	0	-37	Tipo di acciaio non contemplato
1N	50	243	300	9	0	0	76	Tipo di acciaio non contemplato
1O	50	243	-151	-10	0	0	-37	Tipo di acciaio non contemplato
1P	50	243	300	-10	0	0	76	Tipo di acciaio non contemplato
2	50	183	256	-1	0	0	65	Tipo di acciaio non contemplato
7	50	155	188	-1	0	0	48	Tipo di acciaio non contemplato
8	50	149	195	-1	0	0	49	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-381	6	18								Tipo di acciaio non contemplato
1B	-381	6	33								Tipo di acciaio non contemplato
1C	-381	6	18								Tipo di acciaio non contemplato
1D	-381	6	33								Tipo di acciaio non contemplato
1E	489	6	18								Tipo di acciaio non contemplato
1F	489	6	33								Tipo di acciaio non contemplato
1G	489	6	18								Tipo di acciaio non contemplato
1H	489	6	33								Tipo di acciaio non contemplato
1I	-135	3	15								Tipo di acciaio non contemplato
1J	-135	3	30								Tipo di acciaio non contemplato
1K	-135	3	15								Tipo di acciaio non contemplato
1L	-135	3	30								Tipo di acciaio non contemplato
1M	243	3	15								Tipo di acciaio non contemplato
1N	243	3	30								Tipo di acciaio non contemplato
1O	243	3	15								Tipo di acciaio non contemplato
1P	243	3	30								Tipo di acciaio non contemplato
2	183	0	26								Tipo di acciaio non contemplato
7	155	1	19								Tipo di acciaio non contemplato
8	149	0	20								Tipo di acciaio non contemplato

ASTA NUM. 192 NI 610 NF 618 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							

1A	0	91	-275	2	0	0	69	Tipo di acciaio non contemplato
1B	0	91	446	2	0	0	-111	Tipo di acciaio non contemplato
1C	0	91	-275	-2	0	0	69	Tipo di acciaio non contemplato
1D	0	91	446	-2	0	0	-111	Tipo di acciaio non contemplato
1E	0	510	-275	2	0	0	69	Tipo di acciaio non contemplato
1F	0	510	446	2	0	0	-111	Tipo di acciaio non contemplato
1G	0	510	-275	-2	0	0	69	Tipo di acciaio non contemplato
1H	0	510	446	-2	0	0	-111	Tipo di acciaio non contemplato
1I	0	178	-577	1	0	0	145	Tipo di acciaio non contemplato
1J	0	178	748	1	0	0	-187	Tipo di acciaio non contemplato
1K	0	178	-577	-1	0	0	145	Tipo di acciaio non contemplato
1L	0	178	748	-1	0	0	-187	Tipo di acciaio non contemplato
1M	0	423	-577	1	0	0	145	Tipo di acciaio non contemplato
1N	0	423	748	1	0	0	-187	Tipo di acciaio non contemplato
1O	0	423	-577	-1	0	0	145	Tipo di acciaio non contemplato
1P	0	423	748	-1	0	0	-187	Tipo di acciaio non contemplato
2	0	477	-73	-0	0	0	19	Tipo di acciaio non contemplato
7	0	451	-82	-0	0	0	21	Tipo di acciaio non contemplato
8	0	450	-22	-0	0	0	6	Tipo di acciaio non contemplato
1A	25	91	-278	2	0	0	0	Tipo di acciaio non contemplato
1B	25	91	444	2	0	0	0	Tipo di acciaio non contemplato
1C	25	91	-278	-2	0	0	0	Tipo di acciaio non contemplato
1D	25	91	444	-2	0	0	0	Tipo di acciaio non contemplato
1E	25	510	-278	2	0	0	0	Tipo di acciaio non contemplato
1F	25	510	444	2	0	0	0	Tipo di acciaio non contemplato
1G	25	510	-278	-2	0	0	0	Tipo di acciaio non contemplato
1H	25	510	444	-2	0	0	0	Tipo di acciaio non contemplato
1I	25	178	-579	1	0	0	0	Tipo di acciaio non contemplato
1J	25	178	746	1	0	0	0	Tipo di acciaio non contemplato
1K	25	178	-579	-1	0	0	0	Tipo di acciaio non contemplato
1L	25	178	746	-1	0	0	0	Tipo di acciaio non contemplato
1M	25	423	-579	1	0	0	0	Tipo di acciaio non contemplato
1N	25	423	746	1	0	0	0	Tipo di acciaio non contemplato
1O	25	423	-579	-1	0	0	0	Tipo di acciaio non contemplato
1P	25	423	746	-1	0	0	0	Tipo di acciaio non contemplato
2	25	477	-75	-0	0	0	0	Tipo di acciaio non contemplato
7	25	451	-84	-0	0	0	0	Tipo di acciaio non contemplato
8	25	450	-25	-0	0	0	0	Tipo di acciaio non contemplato
1A	50	91	-280	2	0	0	-69	Tipo di acciaio non contemplato
1B	50	91	442	2	0	0	111	Tipo di acciaio non contemplato
1C	50	91	-280	-2	0	0	-69	Tipo di acciaio non contemplato
1D	50	91	442	-2	0	0	111	Tipo di acciaio non contemplato
1E	50	510	-280	2	0	0	-69	Tipo di acciaio non contemplato
1F	50	510	442	2	0	0	111	Tipo di acciaio non contemplato
1G	50	510	-280	-2	0	0	-69	Tipo di acciaio non contemplato
1H	50	510	442	-2	0	0	111	Tipo di acciaio non contemplato
1I	50	178	-581	1	0	0	-145	Tipo di acciaio non contemplato
1J	50	178	743	1	0	0	186	Tipo di acciaio non contemplato
1K	50	178	-581	-1	0	0	-145	Tipo di acciaio non contemplato
1L	50	178	743	-1	0	0	186	Tipo di acciaio non contemplato
1M	50	423	-581	1	0	0	-145	Tipo di acciaio non contemplato
1N	50	423	743	1	0	0	186	Tipo di acciaio non contemplato
1O	50	423	-581	-1	0	0	-145	Tipo di acciaio non contemplato
1P	50	423	743	-1	0	0	186	Tipo di acciaio non contemplato
2	50	477	-78	-0	0	0	-19	Tipo di acciaio non contemplato
7	50	451	-87	-0	0	0	-21	Tipo di acciaio non contemplato
8	50	450	-28	-0	0	0	-6	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	91	0	28								Tipo di acciaio non contemplato
1B	91	0	45								Tipo di acciaio non contemplato
1C	91	0	28								Tipo di acciaio non contemplato
1D	91	0	45								Tipo di acciaio non contemplato
1E	510	0	28								Tipo di acciaio non contemplato
1F	510	0	45								Tipo di acciaio non contemplato
1G	510	0	28								Tipo di acciaio non contemplato
1H	510	0	45								Tipo di acciaio non contemplato
1I	178	0	58								Tipo di acciaio non contemplato
1J	178	0	75								Tipo di acciaio non contemplato
1K	178	0	58								Tipo di acciaio non contemplato
1L	178	0	75								Tipo di acciaio non contemplato
1M	423	0	58								Tipo di acciaio non contemplato
1N	423	0	75								Tipo di acciaio non contemplato
1O	423	0	58								Tipo di acciaio non contemplato
1P	423	0	75								Tipo di acciaio non contemplato
2	477	0	8								Tipo di acciaio non contemplato
7	451	0	9								Tipo di acciaio non contemplato
8	450	0	3								Tipo di acciaio non contemplato

ASTA NUM. 193 NI 650 NF 658 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota

	cm	kg		kg*m		kg/cmq		
1A	0	-243	-129	4	0	0	33	Tipo di acciaio non contemplato
1B	0	-243	284	4	0	0	-71	Tipo di acciaio non contemplato
1C	0	-243	-129	-5	0	0	33	Tipo di acciaio non contemplato
1D	0	-243	284	-5	0	0	-71	Tipo di acciaio non contemplato
1E	0	404	-129	4	0	0	33	Tipo di acciaio non contemplato
1F	0	404	284	4	0	0	-71	Tipo di acciaio non contemplato
1G	0	404	-129	-5	0	0	33	Tipo di acciaio non contemplato
1H	0	404	284	-5	0	0	-71	Tipo di acciaio non contemplato
1I	0	-50	-252	1	0	0	63	Tipo di acciaio non contemplato
1J	0	-50	406	1	0	0	-101	Tipo di acciaio non contemplato
1K	0	-50	-252	-2	0	0	63	Tipo di acciaio non contemplato
1L	0	-50	406	-2	0	0	-101	Tipo di acciaio non contemplato
1M	0	211	-252	1	0	0	63	Tipo di acciaio non contemplato
1N	0	211	406	1	0	0	-101	Tipo di acciaio non contemplato
1O	0	211	-252	-2	0	0	63	Tipo di acciaio non contemplato
1P	0	211	406	-2	0	0	-101	Tipo di acciaio non contemplato
2	0	264	299	-1	0	0	-74	Tipo di acciaio non contemplato
7	0	214	204	-1	0	0	-50	Tipo di acciaio non contemplato
8	0	216	233	-1	0	0	-58	Tipo di acciaio non contemplato
1A	25	-243	-132	4	0	0	0	Tipo di acciaio non contemplato
1B	25	-243	282	4	0	0	0	Tipo di acciaio non contemplato
1C	25	-243	-132	-5	0	0	0	Tipo di acciaio non contemplato
1D	25	-243	282	-5	0	0	0	Tipo di acciaio non contemplato
1E	25	404	-132	4	0	0	0	Tipo di acciaio non contemplato
1F	25	404	282	4	0	0	0	Tipo di acciaio non contemplato
1G	25	404	-132	-5	0	0	0	Tipo di acciaio non contemplato
1H	25	404	282	-5	0	0	0	Tipo di acciaio non contemplato
1I	25	-50	-254	1	0	0	0	Tipo di acciaio non contemplato
1J	25	-50	404	1	0	0	0	Tipo di acciaio non contemplato
1K	25	-50	-254	-2	0	0	0	Tipo di acciaio non contemplato
1L	25	-50	404	-2	0	0	0	Tipo di acciaio non contemplato
1M	25	211	-254	1	0	0	0	Tipo di acciaio non contemplato
1N	25	211	404	1	0	0	0	Tipo di acciaio non contemplato
1O	25	211	-254	-2	0	0	0	Tipo di acciaio non contemplato
1P	25	211	404	-2	0	0	0	Tipo di acciaio non contemplato
2	25	264	296	-1	0	0	0	Tipo di acciaio non contemplato
7	25	214	201	-1	0	0	0	Tipo di acciaio non contemplato
8	25	216	230	-1	0	0	0	Tipo di acciaio non contemplato
1A	50	-243	-134	4	0	-1	-33	Tipo di acciaio non contemplato
1B	50	-243	279	4	0	-1	70	Tipo di acciaio non contemplato
1C	50	-243	-134	-5	0	1	-33	Tipo di acciaio non contemplato
1D	50	-243	279	-5	0	1	70	Tipo di acciaio non contemplato
1E	50	404	-134	4	0	-1	-33	Tipo di acciaio non contemplato
1F	50	404	279	4	0	-1	70	Tipo di acciaio non contemplato
1G	50	404	-134	-5	0	1	-33	Tipo di acciaio non contemplato
1H	50	404	279	-5	0	1	70	Tipo di acciaio non contemplato
1I	50	-50	-256	1	0	0	-64	Tipo di acciaio non contemplato
1J	50	-50	402	1	0	0	101	Tipo di acciaio non contemplato
1K	50	-50	-256	-2	0	0	-64	Tipo di acciaio non contemplato
1L	50	-50	402	-2	0	0	101	Tipo di acciaio non contemplato
1M	50	211	-256	1	0	0	-64	Tipo di acciaio non contemplato
1N	50	211	402	1	0	0	101	Tipo di acciaio non contemplato
1O	50	211	-256	-2	0	0	-64	Tipo di acciaio non contemplato
1P	50	211	402	-2	0	0	101	Tipo di acciaio non contemplato
2	50	264	293	-1	0	0	74	Tipo di acciaio non contemplato
7	50	214	198	-1	0	0	50	Tipo di acciaio non contemplato
8	50	216	227	-1	0	0	57	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-243	0	13								Tipo di acciaio non contemplato
1B	-243	0	28								Tipo di acciaio non contemplato
1C	-243	1	13								Tipo di acciaio non contemplato
1D	-243	1	28								Tipo di acciaio non contemplato
1E	404	0	13								Tipo di acciaio non contemplato
1F	404	0	28								Tipo di acciaio non contemplato
1G	404	1	13								Tipo di acciaio non contemplato
1H	404	1	28								Tipo di acciaio non contemplato
1I	-50	0	25								Tipo di acciaio non contemplato
1J	-50	0	40								Tipo di acciaio non contemplato
1K	-50	0	25								Tipo di acciaio non contemplato
1L	-50	0	40								Tipo di acciaio non contemplato
1M	211	0	25								Tipo di acciaio non contemplato
1N	211	0	40								Tipo di acciaio non contemplato
1O	211	0	25								Tipo di acciaio non contemplato
1P	211	0	40								Tipo di acciaio non contemplato
2	264	0	30								Tipo di acciaio non contemplato
7	214	0	20								Tipo di acciaio non contemplato
8	216	0	23								Tipo di acciaio non contemplato

ASTA NUM. 194 NI 690 NF 698 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-288	-155	13	0	6	39								Tipo di acciaio non contemplato
1B	0	-288	311	13	0	6	-78								Tipo di acciaio non contemplato
1C	0	-288	-155	-16	0	-8	39								Tipo di acciaio non contemplato
1D	0	-288	311	-16	0	-8	-78								Tipo di acciaio non contemplato
1E	0	394	-155	13	0	6	39								Tipo di acciaio non contemplato
1F	0	394	311	13	0	6	-78								Tipo di acciaio non contemplato
1G	0	394	-155	-16	0	-8	39								Tipo di acciaio non contemplato
1H	0	394	311	-16	0	-8	-78								Tipo di acciaio non contemplato
1I	0	-82	-134	5	0	2	34								Tipo di acciaio non contemplato
1J	0	-82	290	5	0	2	-72								Tipo di acciaio non contemplato
1K	0	-82	-134	-7	0	-4	34								Tipo di acciaio non contemplato
1L	0	-82	290	-7	0	-4	-72								Tipo di acciaio non contemplato
1M	0	189	-134	5	0	2	34								Tipo di acciaio non contemplato
1N	0	189	290	5	0	2	-72								Tipo di acciaio non contemplato
1O	0	189	-134	-7	0	-4	34								Tipo di acciaio non contemplato
1P	0	189	290	-7	0	-4	-72								Tipo di acciaio non contemplato
2	0	177	262	-5	0	-3	-65								Tipo di acciaio non contemplato
7	0	147	195	-4	0	-2	-48								Tipo di acciaio non contemplato
8	0	143	202	-4	0	-2	-50								Tipo di acciaio non contemplato
1A	25	-288	-157	13	0	3	0								Tipo di acciaio non contemplato
1B	25	-288	309	13	0	3	0								Tipo di acciaio non contemplato
1C	25	-288	-157	-16	0	-4	0								Tipo di acciaio non contemplato
1D	25	-288	309	-16	0	-4	0								Tipo di acciaio non contemplato
1E	25	394	-157	13	0	3	0								Tipo di acciaio non contemplato
1F	25	394	309	13	0	3	0								Tipo di acciaio non contemplato
1G	25	394	-157	-16	0	-4	0								Tipo di acciaio non contemplato
1H	25	394	309	-16	0	-4	0								Tipo di acciaio non contemplato
1I	25	-82	-136	5	0	0	0								Tipo di acciaio non contemplato
1J	25	-82	288	5	0	0	0								Tipo di acciaio non contemplato
1K	25	-82	-136	-7	0	-2	0								Tipo di acciaio non contemplato
1L	25	-82	288	-7	0	-2	0								Tipo di acciaio non contemplato
1M	25	189	-136	5	0	0	0								Tipo di acciaio non contemplato
1N	25	189	288	5	0	0	0								Tipo di acciaio non contemplato
1O	25	189	-136	-7	0	-2	0								Tipo di acciaio non contemplato
1P	25	189	288	-7	0	-2	0								Tipo di acciaio non contemplato
2	25	177	259	-5	0	-2	0								Tipo di acciaio non contemplato
7	25	147	192	-4	0	-1	0								Tipo di acciaio non contemplato
8	25	143	199	-4	0	-1	0								Tipo di acciaio non contemplato
1A	50	-288	-159	13	0	0	-39								Tipo di acciaio non contemplato
1B	50	-288	307	13	0	0	77								Tipo di acciaio non contemplato
1C	50	-288	-159	-16	0	0	-39								Tipo di acciaio non contemplato
1D	50	-288	307	-16	0	0	77								Tipo di acciaio non contemplato
1E	50	394	-159	13	0	0	-39								Tipo di acciaio non contemplato
1F	50	394	307	13	0	0	77								Tipo di acciaio non contemplato
1G	50	394	-159	-16	0	0	-39								Tipo di acciaio non contemplato
1H	50	394	307	-16	0	0	77								Tipo di acciaio non contemplato
1I	50	-82	-138	5	0	0	-34								Tipo di acciaio non contemplato
1J	50	-82	285	5	0	0	72								Tipo di acciaio non contemplato
1K	50	-82	-138	-7	0	0	-34								Tipo di acciaio non contemplato
1L	50	-82	285	-7	0	0	72								Tipo di acciaio non contemplato
1M	50	189	-138	5	0	0	-34								Tipo di acciaio non contemplato
1N	50	189	285	5	0	0	72								Tipo di acciaio non contemplato
1O	50	189	-138	-7	0	0	-34								Tipo di acciaio non contemplato
1P	50	189	285	-7	0	0	72								Tipo di acciaio non contemplato
2	50	177	256	-5	0	0	64								Tipo di acciaio non contemplato
7	50	147	189	-4	0	0	48								Tipo di acciaio non contemplato
8	50	143	196	-4	0	0	49								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-288	4	16								Tipo di acciaio non contemplato
1B	-288	4	31								Tipo di acciaio non contemplato
1C	-288	5	16								Tipo di acciaio non contemplato
1D	-288	5	31								Tipo di acciaio non contemplato
1E	394	4	16								Tipo di acciaio non contemplato
1F	394	4	31								Tipo di acciaio non contemplato
1G	394	5	16								Tipo di acciaio non contemplato
1H	394	5	31								Tipo di acciaio non contemplato
1I	-82	1	14								Tipo di acciaio non contemplato
1J	-82	1	29								Tipo di acciaio non contemplato
1K	-82	2	14								Tipo di acciaio non contemplato
1L	-82	2	29								Tipo di acciaio non contemplato
1M	189	1	14								Tipo di acciaio non contemplato
1N	189	1	29								Tipo di acciaio non contemplato
1O	189	2	14								Tipo di acciaio non contemplato
1P	189	2	29								Tipo di acciaio non contemplato
2	177	2	26								Tipo di acciaio non contemplato
7	147	1	19								Tipo di acciaio non contemplato
8	143	2	20								Tipo di acciaio non contemplato

ASTA NUM. 195 NI 609 NF 617 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.

qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	143	-282	26	0	13	71								Tipo di acciaio non contemplato
1B	0	143	457	26	0	13	-114								Tipo di acciaio non contemplato
1C	0	143	-282	-41	0	-21	71								Tipo di acciaio non contemplato
1D	0	143	457	-41	0	-21	-114								Tipo di acciaio non contemplato
1E	0	468	-282	26	0	13	71								Tipo di acciaio non contemplato
1F	0	468	457	26	0	13	-114								Tipo di acciaio non contemplato
1G	0	468	-282	-41	0	-21	71								Tipo di acciaio non contemplato
1H	0	468	457	-41	0	-21	-114								Tipo di acciaio non contemplato
1I	0	194	-573	15	0	8	143								Tipo di acciaio non contemplato
1J	0	194	748	15	0	8	-186								Tipo di acciaio non contemplato
1K	0	194	-573	-30	0	-16	143								Tipo di acciaio non contemplato
1L	0	194	748	-30	0	-16	-186								Tipo di acciaio non contemplato
1M	0	418	-573	15	0	8	143								Tipo di acciaio non contemplato
1N	0	418	748	15	0	8	-186								Tipo di acciaio non contemplato
1O	0	418	-573	-30	0	-16	143								Tipo di acciaio non contemplato
1P	0	418	748	-30	0	-16	-186								Tipo di acciaio non contemplato
2	0	482	-70	2	0	0	18								Tipo di acciaio non contemplato
7	0	457	-78	-1	0	0	20								Tipo di acciaio non contemplato
8	0	457	-19	-2	0	0	5								Tipo di acciaio non contemplato
1A	25	143	-284	26	0	7	0								Tipo di acciaio non contemplato
1B	25	143	455	26	0	7	0								Tipo di acciaio non contemplato
1C	25	143	-284	-41	0	-11	0								Tipo di acciaio non contemplato
1D	25	143	455	-41	0	-11	0								Tipo di acciaio non contemplato
1E	25	468	-284	26	0	7	0								Tipo di acciaio non contemplato
1F	25	468	455	26	0	7	0								Tipo di acciaio non contemplato
1G	25	468	-284	-41	0	-11	0								Tipo di acciaio non contemplato
1H	25	468	455	-41	0	-11	0								Tipo di acciaio non contemplato
1I	25	194	-575	15	0	4	0								Tipo di acciaio non contemplato
1J	25	194	746	15	0	4	0								Tipo di acciaio non contemplato
1K	25	194	-575	-30	0	-8	0								Tipo di acciaio non contemplato
1L	25	194	746	-30	0	-8	0								Tipo di acciaio non contemplato
1M	25	418	-575	15	0	4	0								Tipo di acciaio non contemplato
1N	25	418	746	15	0	4	0								Tipo di acciaio non contemplato
1O	25	418	-575	-30	0	-8	0								Tipo di acciaio non contemplato
1P	25	418	746	-30	0	-8	0								Tipo di acciaio non contemplato
2	25	482	-72	2	0	0	0								Tipo di acciaio non contemplato
7	25	457	-81	-1	0	0	0								Tipo di acciaio non contemplato
8	25	457	-22	-2	0	0	0								Tipo di acciaio non contemplato
1A	50	143	-287	26	0	0	-71								Tipo di acciaio non contemplato
1B	50	143	453	26	0	0	114								Tipo di acciaio non contemplato
1C	50	143	-287	-41	0	0	-71								Tipo di acciaio non contemplato
1D	50	143	453	-41	0	0	114								Tipo di acciaio non contemplato
1E	50	468	-287	26	0	0	-71								Tipo di acciaio non contemplato
1F	50	468	453	26	0	0	114								Tipo di acciaio non contemplato
1G	50	468	-287	-41	0	0	-71								Tipo di acciaio non contemplato
1H	50	468	453	-41	0	0	114								Tipo di acciaio non contemplato
1I	50	194	-577	15	0	0	-144								Tipo di acciaio non contemplato
1J	50	194	744	15	0	0	186								Tipo di acciaio non contemplato
1K	50	194	-577	-30	0	0	-144								Tipo di acciaio non contemplato
1L	50	194	744	-30	0	0	186								Tipo di acciaio non contemplato
1M	50	418	-577	15	0	0	-144								Tipo di acciaio non contemplato
1N	50	418	744	15	0	0	186								Tipo di acciaio non contemplato
1O	50	418	-577	-30	0	0	-144								Tipo di acciaio non contemplato
1P	50	418	744	-30	0	0	186								Tipo di acciaio non contemplato
2	50	482	-75	2	0	0	-18								Tipo di acciaio non contemplato
7	50	457	-84	-1	0	0	-21								Tipo di acciaio non contemplato
8	50	457	-25	-2	0	0	-6								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	143	8	29								Tipo di acciaio non contemplato
1B	143	8	46								Tipo di acciaio non contemplato
1C	143	13	29								Tipo di acciaio non contemplato
1D	143	13	46								Tipo di acciaio non contemplato
1E	468	8	29								Tipo di acciaio non contemplato
1F	468	8	46								Tipo di acciaio non contemplato
1G	468	13	29								Tipo di acciaio non contemplato
1H	468	13	46								Tipo di acciaio non contemplato
1I	194	5	58								Tipo di acciaio non contemplato
1J	194	5	75								Tipo di acciaio non contemplato
1K	194	10	58								Tipo di acciaio non contemplato
1L	194	10	75								Tipo di acciaio non contemplato
1M	418	5	58								Tipo di acciaio non contemplato
1N	418	5	75								Tipo di acciaio non contemplato
1O	418	10	58								Tipo di acciaio non contemplato
1P	418	10	75								Tipo di acciaio non contemplato
2	482	1	7								Tipo di acciaio non contemplato
7	457	0	8								Tipo di acciaio non contemplato
8	457	1	2								Tipo di acciaio non contemplato

ASTA NUM. 196 NI 649 NF 657 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-180	-148	54	0	26	38								Tipo di acciaio non contemplato
1B	0	-180	298	54	0	26	-74								Tipo di acciaio non contemplato
1C	0	-180	-148	-53	0	-25	38								Tipo di acciaio non contemplato
1D	0	-180	298	-53	0	-25	-74								Tipo di acciaio non contemplato
1E	0	316	-148	54	0	26	38								Tipo di acciaio non contemplato
1F	0	316	298	54	0	26	-74								Tipo di acciaio non contemplato
1G	0	316	-148	-53	0	-25	38								Tipo di acciaio non contemplato
1H	0	316	298	-53	0	-25	-74								Tipo di acciaio non contemplato
1I	0	-28	-252	29	0	14	63								Tipo di acciaio non contemplato
1J	0	-28	402	29	0	14	-100								Tipo di acciaio non contemplato
1K	0	-28	-252	-28	0	-14	63								Tipo di acciaio non contemplato
1L	0	-28	402	-28	0	-14	-100								Tipo di acciaio non contemplato
1M	0	163	-252	29	0	14	63								Tipo di acciaio non contemplato
1N	0	163	402	29	0	14	-100								Tipo di acciaio non contemplato
1O	0	163	-252	-28	0	-14	63								Tipo di acciaio non contemplato
1P	0	163	402	-28	0	-14	-100								Tipo di acciaio non contemplato
2	0	250	297	15	0	8	-74								Tipo di acciaio non contemplato
7	0	200	202	12	0	7	-50								Tipo di acciaio non contemplato
8	0	202	231	11	0	6	-57								Tipo di acciaio non contemplato
1A	25	-180	-150	54	0	13	0								Tipo di acciaio non contemplato
1B	25	-180	296	54	0	13	0								Tipo di acciaio non contemplato
1C	25	-180	-150	-53	0	-12	0								Tipo di acciaio non contemplato
1D	25	-180	296	-53	0	-12	0								Tipo di acciaio non contemplato
1E	25	316	-150	54	0	13	0								Tipo di acciaio non contemplato
1F	25	316	296	54	0	13	0								Tipo di acciaio non contemplato
1G	25	316	-150	-53	0	-12	0								Tipo di acciaio non contemplato
1H	25	316	296	-53	0	-12	0								Tipo di acciaio non contemplato
1I	25	-28	-254	29	0	7	0								Tipo di acciaio non contemplato
1J	25	-28	400	29	0	7	0								Tipo di acciaio non contemplato
1K	25	-28	-254	-28	0	-6	0								Tipo di acciaio non contemplato
1L	25	-28	400	-28	0	-6	0								Tipo di acciaio non contemplato
1M	25	163	-254	29	0	7	0								Tipo di acciaio non contemplato
1N	25	163	400	29	0	7	0								Tipo di acciaio non contemplato
1O	25	163	-254	-28	0	-6	0								Tipo di acciaio non contemplato
1P	25	163	400	-28	0	-6	0								Tipo di acciaio non contemplato
2	25	250	294	15	0	4	0								Tipo di acciaio non contemplato
7	25	200	199	12	0	3	0								Tipo di acciaio non contemplato
8	25	202	228	11	0	3	0								Tipo di acciaio non contemplato
1A	50	-180	-152	54	0	-1	-38								Tipo di acciaio non contemplato
1B	50	-180	293	54	0	-1	74								Tipo di acciaio non contemplato
1C	50	-180	-152	-53	0	1	-38								Tipo di acciaio non contemplato
1D	50	-180	293	-53	0	1	74								Tipo di acciaio non contemplato
1E	50	316	-152	54	0	-1	-38								Tipo di acciaio non contemplato
1F	50	316	293	54	0	-1	74								Tipo di acciaio non contemplato
1G	50	316	-152	-53	0	1	-38								Tipo di acciaio non contemplato
1H	50	316	293	-53	0	1	74								Tipo di acciaio non contemplato
1I	50	-28	-257	29	0	0	-64								Tipo di acciaio non contemplato
1J	50	-28	398	29	0	0	100								Tipo di acciaio non contemplato
1K	50	-28	-257	-28	0	0	-64								Tipo di acciaio non contemplato
1L	50	-28	398	-28	0	0	100								Tipo di acciaio non contemplato
1M	50	163	-257	29	0	0	-64								Tipo di acciaio non contemplato
1N	50	163	398	29	0	0	100								Tipo di acciaio non contemplato
1O	50	163	-257	-28	0	0	-64								Tipo di acciaio non contemplato
1P	50	163	398	-28	0	0	100								Tipo di acciaio non contemplato
2	50	250	292	15	0	0	73								Tipo di acciaio non contemplato
7	50	200	196	12	0	0	50								Tipo di acciaio non contemplato
8	50	202	225	11	0	0	57								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-180	15	15								Tipo di acciaio non contemplato
1B	-180	15	30								Tipo di acciaio non contemplato
1C	-180	15	15								Tipo di acciaio non contemplato
1D	-180	15	30								Tipo di acciaio non contemplato
1E	316	15	15								Tipo di acciaio non contemplato
1F	316	15	30								Tipo di acciaio non contemplato
1G	316	15	15								Tipo di acciaio non contemplato
1H	316	15	30								Tipo di acciaio non contemplato
1I	-28	8	25								Tipo di acciaio non contemplato
1J	-28	8	40								Tipo di acciaio non contemplato
1K	-28	8	25								Tipo di acciaio non contemplato
1L	-28	8	40								Tipo di acciaio non contemplato
1M	163	8	25								Tipo di acciaio non contemplato
1N	163	8	40								Tipo di acciaio non contemplato
1O	163	8	25								Tipo di acciaio non contemplato
1P	163	8	40								Tipo di acciaio non contemplato
2	250	5	30								Tipo di acciaio non contemplato
7	200	4	20								Tipo di acciaio non contemplato
8	202	3	23								Tipo di acciaio non contemplato

ASTA NUM. 197 NI 689 NF 697 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-213	-174	32	0	17	44								Tipo di acciaio non contemplato
1B	0	-213	333	32	0	17	-83								Tipo di acciaio non contemplato
1C	0	-213	-174	-49	0	-25	44								Tipo di acciaio non contemplato
1D	0	-213	333	-49	0	-25	-83								Tipo di acciaio non contemplato
1E	0	318	-174	32	0	17	44								Tipo di acciaio non contemplato
1F	0	318	333	32	0	17	-83								Tipo di acciaio non contemplato
1G	0	318	-174	-49	0	-25	44								Tipo di acciaio non contemplato
1H	0	318	333	-49	0	-25	-83								Tipo di acciaio non contemplato
1I	0	-53	-138	10	0	5	35								Tipo di acciaio non contemplato
1J	0	-53	298	10	0	5	-74								Tipo di acciaio non contemplato
1K	0	-53	-138	-27	0	-14	35								Tipo di acciaio non contemplato
1L	0	-53	298	-27	0	-14	-74								Tipo di acciaio non contemplato
1M	0	158	-138	10	0	5	35								Tipo di acciaio non contemplato
1N	0	158	298	10	0	5	-74								Tipo di acciaio non contemplato
1O	0	158	-138	-27	0	-14	35								Tipo di acciaio non contemplato
1P	0	158	298	-27	0	-14	-74								Tipo di acciaio non contemplato
2	0	178	266	-24	0	-12	-66								Tipo di acciaio non contemplato
7	0	146	198	-18	0	-10	-49								Tipo di acciaio non contemplato
8	0	144	205	-21	0	-11	-51								Tipo di acciaio non contemplato
1A	25	-213	-176	32	0	9	0								Tipo di acciaio non contemplato
1B	25	-213	331	32	0	9	0								Tipo di acciaio non contemplato
1C	25	-213	-176	-49	0	-13	0								Tipo di acciaio non contemplato
1D	25	-213	331	-49	0	-13	0								Tipo di acciaio non contemplato
1E	25	318	-176	32	0	9	0								Tipo di acciaio non contemplato
1F	25	318	331	32	0	9	0								Tipo di acciaio non contemplato
1G	25	318	-176	-49	0	-13	0								Tipo di acciaio non contemplato
1H	25	318	331	-49	0	-13	0								Tipo di acciaio non contemplato
1I	25	-53	-140	10	0	3	0								Tipo di acciaio non contemplato
1J	25	-53	295	10	0	3	0								Tipo di acciaio non contemplato
1K	25	-53	-140	-27	0	-7	0								Tipo di acciaio non contemplato
1L	25	-53	295	-27	0	-7	0								Tipo di acciaio non contemplato
1M	25	158	-140	10	0	3	0								Tipo di acciaio non contemplato
1N	25	158	295	10	0	3	0								Tipo di acciaio non contemplato
1O	25	158	-140	-27	0	-7	0								Tipo di acciaio non contemplato
1P	25	158	295	-27	0	-7	0								Tipo di acciaio non contemplato
2	25	178	263	-24	0	-6	0								Tipo di acciaio non contemplato
7	25	146	195	-18	0	-5	0								Tipo di acciaio non contemplato
8	25	144	202	-21	0	-6	0								Tipo di acciaio non contemplato
1A	50	-213	-178	32	0	0	-44								Tipo di acciaio non contemplato
1B	50	-213	329	32	0	0	83								Tipo di acciaio non contemplato
1C	50	-213	-178	-49	0	0	-44								Tipo di acciaio non contemplato
1D	50	-213	329	-49	0	0	83								Tipo di acciaio non contemplato
1E	50	318	-178	32	0	0	-44								Tipo di acciaio non contemplato
1F	50	318	329	32	0	0	83								Tipo di acciaio non contemplato
1G	50	318	-178	-49	0	0	-44								Tipo di acciaio non contemplato
1H	50	318	329	-49	0	0	83								Tipo di acciaio non contemplato
1I	50	-53	-142	10	0	0	-35								Tipo di acciaio non contemplato
1J	50	-53	293	10	0	0	74								Tipo di acciaio non contemplato
1K	50	-53	-142	-27	0	0	-35								Tipo di acciaio non contemplato
1L	50	-53	293	-27	0	0	74								Tipo di acciaio non contemplato
1M	50	158	-142	10	0	0	-35								Tipo di acciaio non contemplato
1N	50	158	293	10	0	0	74								Tipo di acciaio non contemplato
1O	50	158	-142	-27	0	0	-35								Tipo di acciaio non contemplato
1P	50	158	293	-27	0	0	74								Tipo di acciaio non contemplato
2	50	178	260	-24	0	0	66								Tipo di acciaio non contemplato
7	50	146	192	-18	0	0	49								Tipo di acciaio non contemplato
8	50	144	200	-21	0	0	50								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-213	10	18								Tipo di acciaio non contemplato
1B	-213	10	33								Tipo di acciaio non contemplato
1C	-213	15	18								Tipo di acciaio non contemplato
1D	-213	15	33								Tipo di acciaio non contemplato
1E	318	10	18								Tipo di acciaio non contemplato
1F	318	10	33								Tipo di acciaio non contemplato
1G	318	15	18								Tipo di acciaio non contemplato
1H	318	15	33								Tipo di acciaio non contemplato
1I	-53	3	14								Tipo di acciaio non contemplato
1J	-53	3	30								Tipo di acciaio non contemplato
1K	-53	8	14								Tipo di acciaio non contemplato
1L	-53	8	30								Tipo di acciaio non contemplato
1M	158	3	14								Tipo di acciaio non contemplato
1N	158	3	30								Tipo di acciaio non contemplato
1O	158	8	14								Tipo di acciaio non contemplato
1P	158	8	30								Tipo di acciaio non contemplato
2	178	8	26								Tipo di acciaio non contemplato

7	146	6	20	Tipo di acciaio non contemplato
8	144	7	20	Tipo di acciaio non contemplato

ASTA NUM. 198 NI 608 NF 616 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	221	-266	-1	0	0	67								Tipo di acciaio non contemplato
1B	0	221	436	-1	0	0	-109								Tipo di acciaio non contemplato
1C	0	221	-266	-4	0	-1	67								Tipo di acciaio non contemplato
1D	0	221	436	-4	0	-1	-109								Tipo di acciaio non contemplato
1E	0	404	-266	-1	0	0	67								Tipo di acciaio non contemplato
1F	0	404	436	-1	0	0	-109								Tipo di acciaio non contemplato
1G	0	404	-266	-4	0	-1	67								Tipo di acciaio non contemplato
1H	0	404	436	-4	0	-1	-109								Tipo di acciaio non contemplato
1I	0	215	-561	-1	0	0	141								Tipo di acciaio non contemplato
1J	0	215	730	-1	0	0	-182								Tipo di acciaio non contemplato
1K	0	215	-561	-4	0	0	141								Tipo di acciaio non contemplato
1L	0	215	730	-4	0	0	-182								Tipo di acciaio non contemplato
1M	0	410	-561	-1	0	0	141								Tipo di acciaio non contemplato
1N	0	410	730	-1	0	0	-182								Tipo di acciaio non contemplato
1O	0	410	-561	-4	0	0	141								Tipo di acciaio non contemplato
1P	0	410	730	-4	0	0	-182								Tipo di acciaio non contemplato
2	0	491	-73	-4	0	0	19								Tipo di acciaio non contemplato
7	0	465	-82	-4	0	0	21								Tipo di acciaio non contemplato
8	0	465	-22	-4	0	0	6								Tipo di acciaio non contemplato
1A	25	221	-268	-1	0	0	0								Tipo di acciaio non contemplato
1B	25	221	433	-1	0	0	0								Tipo di acciaio non contemplato
1C	25	221	-268	-4	0	0	0								Tipo di acciaio non contemplato
1D	25	221	433	-4	0	0	0								Tipo di acciaio non contemplato
1E	25	404	-268	-1	0	0	0								Tipo di acciaio non contemplato
1F	25	404	433	-1	0	0	0								Tipo di acciaio non contemplato
1G	25	404	-268	-4	0	0	0								Tipo di acciaio non contemplato
1H	25	404	433	-4	0	0	0								Tipo di acciaio non contemplato
1I	25	215	-563	-1	0	0	0								Tipo di acciaio non contemplato
1J	25	215	728	-1	0	0	0								Tipo di acciaio non contemplato
1K	25	215	-563	-4	0	0	0								Tipo di acciaio non contemplato
1L	25	215	728	-4	0	0	0								Tipo di acciaio non contemplato
1M	25	410	-563	-1	0	0	0								Tipo di acciaio non contemplato
1N	25	410	728	-1	0	0	0								Tipo di acciaio non contemplato
1O	25	410	-563	-4	0	0	0								Tipo di acciaio non contemplato
1P	25	410	728	-4	0	0	0								Tipo di acciaio non contemplato
2	25	491	-76	-4	0	0	0								Tipo di acciaio non contemplato
7	25	465	-85	-4	0	0	0								Tipo di acciaio non contemplato
8	25	465	-25	-4	0	0	0								Tipo di acciaio non contemplato
1A	50	221	-271	-1	0	0	-67								Tipo di acciaio non contemplato
1B	50	221	431	-1	0	0	108								Tipo di acciaio non contemplato
1C	50	221	-271	-4	0	1	-67								Tipo di acciaio non contemplato
1D	50	221	431	-4	0	1	108								Tipo di acciaio non contemplato
1E	50	404	-271	-1	0	0	-67								Tipo di acciaio non contemplato
1F	50	404	431	-1	0	0	108								Tipo di acciaio non contemplato
1G	50	404	-271	-4	0	1	-67								Tipo di acciaio non contemplato
1H	50	404	431	-4	0	1	108								Tipo di acciaio non contemplato
1I	50	215	-565	-1	0	0	-141								Tipo di acciaio non contemplato
1J	50	215	726	-1	0	0	182								Tipo di acciaio non contemplato
1K	50	215	-565	-4	0	1	-141								Tipo di acciaio non contemplato
1L	50	215	726	-4	0	1	182								Tipo di acciaio non contemplato
1M	50	410	-565	-1	0	0	-141								Tipo di acciaio non contemplato
1N	50	410	726	-1	0	0	182								Tipo di acciaio non contemplato
1O	50	410	-565	-4	0	1	-141								Tipo di acciaio non contemplato
1P	50	410	726	-4	0	1	182								Tipo di acciaio non contemplato
2	50	491	-79	-4	0	1	-19								Tipo di acciaio non contemplato
7	50	465	-87	-4	0	1	-21								Tipo di acciaio non contemplato
8	50	465	-28	-4	0	1	-7								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	221	0	27								Tipo di acciaio non contemplato
1B	221	0	43								Tipo di acciaio non contemplato
1C	221	0	27								Tipo di acciaio non contemplato
1D	221	0	43								Tipo di acciaio non contemplato
1E	404	0	27								Tipo di acciaio non contemplato
1F	404	0	43								Tipo di acciaio non contemplato
1G	404	0	27								Tipo di acciaio non contemplato
1H	404	0	43								Tipo di acciaio non contemplato
1I	215	0	56								Tipo di acciaio non contemplato
1J	215	0	73								Tipo di acciaio non contemplato
1K	215	1	56								Tipo di acciaio non contemplato
1L	215	1	73								Tipo di acciaio non contemplato
1M	410	0	56								Tipo di acciaio non contemplato
1N	410	0	73								Tipo di acciaio non contemplato
1O	410	1	56								Tipo di acciaio non contemplato

1P	410	1	73	Tipo di acciaio non contemplato
2	491	0	8	Tipo di acciaio non contemplato
7	465	0	9	Tipo di acciaio non contemplato
8	465	0	3	Tipo di acciaio non contemplato

ASTA NUM. 199 NI 648 NF 656 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-135	-134	3	0	0	34								Tipo di acciaio non contemplato
1B	0	-135	286	3	0	0	-71								Tipo di acciaio non contemplato
1C	0	-135	-134	-5	0	-1	34								Tipo di acciaio non contemplato
1D	0	-135	286	-5	0	-1	-71								Tipo di acciaio non contemplato
1E	0	247	-134	3	0	0	34								Tipo di acciaio non contemplato
1F	0	247	286	3	0	0	-71								Tipo di acciaio non contemplato
1G	0	247	-134	-5	0	-1	34								Tipo di acciaio non contemplato
1H	0	247	286	-5	0	-1	-71								Tipo di acciaio non contemplato
1I	0	-20	-243	1	0	0	61								Tipo di acciaio non contemplato
1J	0	-20	396	1	0	0	-99								Tipo di acciaio non contemplato
1K	0	-20	-243	-3	0	0	61								Tipo di acciaio non contemplato
1L	0	-20	396	-3	0	0	-99								Tipo di acciaio non contemplato
1M	0	132	-243	1	0	0	61								Tipo di acciaio non contemplato
1N	0	132	396	1	0	0	-99								Tipo di acciaio non contemplato
1O	0	132	-243	-3	0	0	61								Tipo di acciaio non contemplato
1P	0	132	396	-3	0	0	-99								Tipo di acciaio non contemplato
2	0	234	298	-1	0	0	-74								Tipo di acciaio non contemplato
7	0	184	203	-1	0	0	-50								Tipo di acciaio non contemplato
8	0	186	232	-1	0	0	-57								Tipo di acciaio non contemplato
1A	25	-135	-136	3	0	0	0								Tipo di acciaio non contemplato
1B	25	-135	284	3	0	0	0								Tipo di acciaio non contemplato
1C	25	-135	-136	-5	0	0	0								Tipo di acciaio non contemplato
1D	25	-135	284	-5	0	0	0								Tipo di acciaio non contemplato
1E	25	247	-136	3	0	0	0								Tipo di acciaio non contemplato
1F	25	247	284	3	0	0	0								Tipo di acciaio non contemplato
1G	25	247	-136	-5	0	0	0								Tipo di acciaio non contemplato
1H	25	247	284	-5	0	0	0								Tipo di acciaio non contemplato
1I	25	-20	-245	1	0	0	0								Tipo di acciaio non contemplato
1J	25	-20	393	1	0	0	0								Tipo di acciaio non contemplato
1K	25	-20	-245	-3	0	0	0								Tipo di acciaio non contemplato
1L	25	-20	393	-3	0	0	0								Tipo di acciaio non contemplato
1M	25	132	-245	1	0	0	0								Tipo di acciaio non contemplato
1N	25	132	393	1	0	0	0								Tipo di acciaio non contemplato
1O	25	132	-245	-3	0	0	0								Tipo di acciaio non contemplato
1P	25	132	393	-3	0	0	0								Tipo di acciaio non contemplato
2	25	234	295	-1	0	0	0								Tipo di acciaio non contemplato
7	25	184	200	-1	0	0	0								Tipo di acciaio non contemplato
8	25	186	229	-1	0	0	0								Tipo di acciaio non contemplato
1A	50	-135	-138	3	0	0	-34								Tipo di acciaio non contemplato
1B	50	-135	282	3	0	0	71								Tipo di acciaio non contemplato
1C	50	-135	-138	-5	0	1	-34								Tipo di acciaio non contemplato
1D	50	-135	282	-5	0	1	71								Tipo di acciaio non contemplato
1E	50	247	-138	3	0	0	-34								Tipo di acciaio non contemplato
1F	50	247	282	3	0	0	71								Tipo di acciaio non contemplato
1G	50	247	-138	-5	0	1	-34								Tipo di acciaio non contemplato
1H	50	247	282	-5	0	1	71								Tipo di acciaio non contemplato
1I	50	-20	-248	1	0	0	-62								Tipo di acciaio non contemplato
1J	50	-20	391	1	0	0	98								Tipo di acciaio non contemplato
1K	50	-20	-248	-3	0	0	-62								Tipo di acciaio non contemplato
1L	50	-20	391	-3	0	0	98								Tipo di acciaio non contemplato
1M	50	132	-248	1	0	0	-62								Tipo di acciaio non contemplato
1N	50	132	391	1	0	0	98								Tipo di acciaio non contemplato
1O	50	132	-248	-3	0	0	-62								Tipo di acciaio non contemplato
1P	50	132	391	-3	0	0	98								Tipo di acciaio non contemplato
2	50	234	292	-1	0	0	74								Tipo di acciaio non contemplato
7	50	184	197	-1	0	0	50								Tipo di acciaio non contemplato
8	50	186	226	-1	0	0	57								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-135	0	14								Tipo di acciaio non contemplato
1B	-135	0	28								Tipo di acciaio non contemplato
1C	-135	1	14								Tipo di acciaio non contemplato
1D	-135	1	28								Tipo di acciaio non contemplato
1E	247	0	14								Tipo di acciaio non contemplato
1F	247	0	28								Tipo di acciaio non contemplato
1G	247	1	14								Tipo di acciaio non contemplato
1H	247	1	28								Tipo di acciaio non contemplato
1I	-20	0	25								Tipo di acciaio non contemplato
1J	-20	0	39								Tipo di acciaio non contemplato
1K	-20	0	25								Tipo di acciaio non contemplato
1L	-20	0	39								Tipo di acciaio non contemplato
1M	132	0	25								Tipo di acciaio non contemplato

1N	132	0	39	Tipo di acciaio non contemplato
1O	132	0	25	Tipo di acciaio non contemplato
1P	132	0	39	Tipo di acciaio non contemplato
2	234	0	30	Tipo di acciaio non contemplato
7	184	0	20	Tipo di acciaio non contemplato
8	186	0	23	Tipo di acciaio non contemplato

ASTA NUM. 200 NI 688 NF 696 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-160	-161	31	0	16	41								Tipo di acciaio non contemplato
1B	0	-160	322	31	0	16	-80								Tipo di acciaio non contemplato
1C	0	-160	-161	-48	0	-25	41								Tipo di acciaio non contemplato
1D	0	-160	322	-48	0	-25	-80								Tipo di acciaio non contemplato
1E	0	252	-161	31	0	16	41								Tipo di acciaio non contemplato
1F	0	252	322	31	0	16	-80								Tipo di acciaio non contemplato
1G	0	252	-161	-48	0	-25	41								Tipo di acciaio non contemplato
1H	0	252	322	-48	0	-25	-80								Tipo di acciaio non contemplato
1I	0	-35	-130	13	0	7	33								Tipo di acciaio non contemplato
1J	0	-35	291	13	0	7	-73								Tipo di acciaio non contemplato
1K	0	-35	-130	-30	0	-16	33								Tipo di acciaio non contemplato
1L	0	-35	291	-30	0	-16	-73								Tipo di acciaio non contemplato
1M	0	127	-130	13	0	7	33								Tipo di acciaio non contemplato
1N	0	127	291	13	0	7	-73								Tipo di acciaio non contemplato
1O	0	127	-130	-30	0	-16	33								Tipo di acciaio non contemplato
1P	0	127	291	-30	0	-16	-73								Tipo di acciaio non contemplato
2	0	159	270	-24	0	-12	-67								Tipo di acciaio non contemplato
7	0	130	201	-18	0	-9	-50								Tipo di acciaio non contemplato
8	0	128	209	-21	0	-11	-52								Tipo di acciaio non contemplato
1A	25	-160	-163	31	0	8	0								Tipo di acciaio non contemplato
1B	25	-160	320	31	0	8	0								Tipo di acciaio non contemplato
1C	25	-160	-163	-48	0	-13	0								Tipo di acciaio non contemplato
1D	25	-160	320	-48	0	-13	0								Tipo di acciaio non contemplato
1E	25	252	-163	31	0	8	0								Tipo di acciaio non contemplato
1F	25	252	320	31	0	8	0								Tipo di acciaio non contemplato
1G	25	252	-163	-48	0	-13	0								Tipo di acciaio non contemplato
1H	25	252	320	-48	0	-13	0								Tipo di acciaio non contemplato
1I	25	-35	-133	13	0	4	0								Tipo di acciaio non contemplato
1J	25	-35	289	13	0	4	0								Tipo di acciaio non contemplato
1K	25	-35	-133	-30	0	-8	0								Tipo di acciaio non contemplato
1L	25	-35	289	-30	0	-8	0								Tipo di acciaio non contemplato
1M	25	127	-133	13	0	4	0								Tipo di acciaio non contemplato
1N	25	127	289	13	0	4	0								Tipo di acciaio non contemplato
1O	25	127	-133	-30	0	-8	0								Tipo di acciaio non contemplato
1P	25	127	289	-30	0	-8	0								Tipo di acciaio non contemplato
2	25	159	267	-24	0	-6	0								Tipo di acciaio non contemplato
7	25	130	198	-18	0	-5	0								Tipo di acciaio non contemplato
8	25	128	206	-21	0	-5	0								Tipo di acciaio non contemplato
1A	50	-160	-165	31	0	0	-41								Tipo di acciaio non contemplato
1B	50	-160	318	31	0	0	80								Tipo di acciaio non contemplato
1C	50	-160	-165	-48	0	0	-41								Tipo di acciaio non contemplato
1D	50	-160	318	-48	0	0	80								Tipo di acciaio non contemplato
1E	50	252	-165	31	0	0	-41								Tipo di acciaio non contemplato
1F	50	252	318	31	0	0	80								Tipo di acciaio non contemplato
1G	50	252	-165	-48	0	0	-41								Tipo di acciaio non contemplato
1H	50	252	318	-48	0	0	80								Tipo di acciaio non contemplato
1I	50	-35	-135	13	0	0	-33								Tipo di acciaio non contemplato
1J	50	-35	287	13	0	0	72								Tipo di acciaio non contemplato
1K	50	-35	-135	-30	0	0	-33								Tipo di acciaio non contemplato
1L	50	-35	287	-30	0	0	72								Tipo di acciaio non contemplato
1M	50	127	-135	13	0	0	-33								Tipo di acciaio non contemplato
1N	50	127	287	13	0	0	72								Tipo di acciaio non contemplato
1O	50	127	-135	-30	0	0	-33								Tipo di acciaio non contemplato
1P	50	127	287	-30	0	0	72								Tipo di acciaio non contemplato
2	50	159	264	-24	0	0	67								Tipo di acciaio non contemplato
7	50	130	195	-18	0	0	49								Tipo di acciaio non contemplato
8	50	128	203	-21	0	0	51								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-160	10	16								Tipo di acciaio non contemplato
1B	-160	10	32								Tipo di acciaio non contemplato
1C	-160	15	16								Tipo di acciaio non contemplato
1D	-160	15	32								Tipo di acciaio non contemplato
1E	252	10	16								Tipo di acciaio non contemplato
1F	252	10	32								Tipo di acciaio non contemplato
1G	252	15	16								Tipo di acciaio non contemplato
1H	252	15	32								Tipo di acciaio non contemplato
1I	-35	4	13								Tipo di acciaio non contemplato
1J	-35	4	29								Tipo di acciaio non contemplato
1K	-35	10	13								Tipo di acciaio non contemplato

1L	-35	10	29	Tipo di acciaio non contemplato
1M	127	4	13	Tipo di acciaio non contemplato
1N	127	4	29	Tipo di acciaio non contemplato
1O	127	10	13	Tipo di acciaio non contemplato
1P	127	10	29	Tipo di acciaio non contemplato
2	159	7	27	Tipo di acciaio non contemplato
7	130	5	20	Tipo di acciaio non contemplato
8	128	7	21	Tipo di acciaio non contemplato

ASTA NUM. 201 NI 607 NF 615 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	211	-257	23	0	12	65								Tipo di acciaio non contemplato
1B	0	211	422	23	0	12	-105								Tipo di acciaio non contemplato
1C	0	211	-257	-47	0	-21	65								Tipo di acciaio non contemplato
1D	0	211	422	-47	0	-21	-105								Tipo di acciaio non contemplato
1E	0	426	-257	23	0	12	65								Tipo di acciaio non contemplato
1F	0	426	422	23	0	12	-105								Tipo di acciaio non contemplato
1G	0	426	-257	-47	0	-21	65								Tipo di acciaio non contemplato
1H	0	426	422	-47	0	-21	-105								Tipo di acciaio non contemplato
1I	0	219	-541	18	0	9	136								Tipo di acciaio non contemplato
1J	0	219	706	18	0	9	-176								Tipo di acciaio non contemplato
1K	0	219	-541	-41	0	-19	136								Tipo di acciaio non contemplato
1L	0	219	706	-41	0	-19	-176								Tipo di acciaio non contemplato
1M	0	418	-541	18	0	9	136								Tipo di acciaio non contemplato
1N	0	418	706	18	0	9	-176								Tipo di acciaio non contemplato
1O	0	418	-541	-41	0	-19	136								Tipo di acciaio non contemplato
1P	0	418	706	-41	0	-19	-176								Tipo di acciaio non contemplato
2	0	476	-67	-1	0	0	18								Tipo di acciaio non contemplato
7	0	454	-77	-4	0	0	20								Tipo di acciaio non contemplato
8	0	457	-19	-5	0	-1	5								Tipo di acciaio non contemplato
1A	25	211	-260	23	0	6	0								Tipo di acciaio non contemplato
1B	25	211	420	23	0	6	0								Tipo di acciaio non contemplato
1C	25	211	-260	-47	0	-10	0								Tipo di acciaio non contemplato
1D	25	211	420	-47	0	-10	0								Tipo di acciaio non contemplato
1E	25	426	-260	23	0	6	0								Tipo di acciaio non contemplato
1F	25	426	420	23	0	6	0								Tipo di acciaio non contemplato
1G	25	426	-260	-47	0	-10	0								Tipo di acciaio non contemplato
1H	25	426	420	-47	0	-10	0								Tipo di acciaio non contemplato
1I	25	219	-543	18	0	5	0								Tipo di acciaio non contemplato
1J	25	219	703	18	0	5	0								Tipo di acciaio non contemplato
1K	25	219	-543	-41	0	-9	0								Tipo di acciaio non contemplato
1L	25	219	703	-41	0	-9	0								Tipo di acciaio non contemplato
1M	25	418	-543	18	0	5	0								Tipo di acciaio non contemplato
1N	25	418	703	18	0	5	0								Tipo di acciaio non contemplato
1O	25	418	-543	-41	0	-9	0								Tipo di acciaio non contemplato
1P	25	418	703	-41	0	-9	0								Tipo di acciaio non contemplato
2	25	476	-70	-1	0	1	0								Tipo di acciaio non contemplato
7	25	454	-80	-4	0	0	0								Tipo di acciaio non contemplato
8	25	457	-22	-5	0	0	0								Tipo di acciaio non contemplato
1A	50	211	-262	23	0	0	-65								Tipo di acciaio non contemplato
1B	50	211	418	23	0	0	105								Tipo di acciaio non contemplato
1C	50	211	-262	-47	0	2	-65								Tipo di acciaio non contemplato
1D	50	211	418	-47	0	2	105								Tipo di acciaio non contemplato
1E	50	426	-262	23	0	0	-65								Tipo di acciaio non contemplato
1F	50	426	418	23	0	0	105								Tipo di acciaio non contemplato
1G	50	426	-262	-47	0	2	-65								Tipo di acciaio non contemplato
1H	50	426	418	-47	0	2	105								Tipo di acciaio non contemplato
1I	50	219	-545	18	0	0	-136								Tipo di acciaio non contemplato
1J	50	219	701	18	0	0	175								Tipo di acciaio non contemplato
1K	50	219	-545	-41	0	2	-136								Tipo di acciaio non contemplato
1L	50	219	701	-41	0	2	175								Tipo di acciaio non contemplato
1M	50	418	-545	18	0	0	-136								Tipo di acciaio non contemplato
1N	50	418	701	18	0	0	175								Tipo di acciaio non contemplato
1O	50	418	-545	-41	0	2	-136								Tipo di acciaio non contemplato
1P	50	418	701	-41	0	2	175								Tipo di acciaio non contemplato
2	50	476	-73	-1	0	1	-18								Tipo di acciaio non contemplato
7	50	454	-83	-4	0	1	-20								Tipo di acciaio non contemplato
8	50	457	-25	-5	0	1	-6								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	211	7	26								Tipo di acciaio non contemplato
1B	211	7	42								Tipo di acciaio non contemplato
1C	211	12	26								Tipo di acciaio non contemplato
1D	211	12	42								Tipo di acciaio non contemplato
1E	426	7	26								Tipo di acciaio non contemplato
1F	426	7	42								Tipo di acciaio non contemplato
1G	426	12	26								Tipo di acciaio non contemplato
1H	426	12	42								Tipo di acciaio non contemplato
1I	219	6	54								Tipo di acciaio non contemplato

1J	219	6	71	Tipo di acciaio non contemplato
1K	219	11	54	Tipo di acciaio non contemplato
1L	219	11	71	Tipo di acciaio non contemplato
1M	418	6	54	Tipo di acciaio non contemplato
1N	418	6	71	Tipo di acciaio non contemplato
1O	418	11	54	Tipo di acciaio non contemplato
1P	418	11	71	Tipo di acciaio non contemplato
2	476	1	7	Tipo di acciaio non contemplato
7	454	1	8	Tipo di acciaio non contemplato
8	457	1	2	Tipo di acciaio non contemplato

ASTA NUM. 202 NI 647 NF 655 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-24	-165	74	0	37	42								Tipo di acciaio non contemplato
1B	0	-24	308	74	0	37	-77								Tipo di acciaio non contemplato
1C	0	-24	-165	-50	0	-24	42								Tipo di acciaio non contemplato
1D	0	-24	308	-50	0	-24	-77								Tipo di acciaio non contemplato
1E	0	98	-165	74	0	37	42								Tipo di acciaio non contemplato
1F	0	98	308	74	0	37	-77								Tipo di acciaio non contemplato
1G	0	98	-165	-50	0	-24	42								Tipo di acciaio non contemplato
1H	0	98	308	-50	0	-24	-77								Tipo di acciaio non contemplato
1I	0	4	-243	70	0	35	61								Tipo di acciaio non contemplato
1J	0	4	386	70	0	35	-97								Tipo di acciaio non contemplato
1K	0	4	-243	-46	0	-23	61								Tipo di acciaio non contemplato
1L	0	4	386	-46	0	-23	-97								Tipo di acciaio non contemplato
1M	0	70	-243	70	0	35	61								Tipo di acciaio non contemplato
1N	0	70	386	70	0	35	-97								Tipo di acciaio non contemplato
1O	0	70	-243	-46	0	-23	61								Tipo di acciaio non contemplato
1P	0	70	386	-46	0	-23	-97								Tipo di acciaio non contemplato
2	0	222	290	56	0	28	-73								Tipo di acciaio non contemplato
7	0	169	196	50	0	25	-49								Tipo di acciaio non contemplato
8	0	170	225	43	0	22	-56								Tipo di acciaio non contemplato
1A	25	-24	-167	74	0	18	0								Tipo di acciaio non contemplato
1B	25	-24	306	74	0	18	0								Tipo di acciaio non contemplato
1C	25	-24	-167	-50	0	-12	0								Tipo di acciaio non contemplato
1D	25	-24	306	-50	0	-12	0								Tipo di acciaio non contemplato
1E	25	98	-167	74	0	18	0								Tipo di acciaio non contemplato
1F	25	98	306	74	0	18	0								Tipo di acciaio non contemplato
1G	25	98	-167	-50	0	-12	0								Tipo di acciaio non contemplato
1H	25	98	306	-50	0	-12	0								Tipo di acciaio non contemplato
1I	25	4	-245	70	0	17	0								Tipo di acciaio non contemplato
1J	25	4	384	70	0	17	0								Tipo di acciaio non contemplato
1K	25	4	-245	-46	0	-11	0								Tipo di acciaio non contemplato
1L	25	4	384	-46	0	-11	0								Tipo di acciaio non contemplato
1M	25	70	-245	70	0	17	0								Tipo di acciaio non contemplato
1N	25	70	384	70	0	17	0								Tipo di acciaio non contemplato
1O	25	70	-245	-46	0	-11	0								Tipo di acciaio non contemplato
1P	25	70	384	-46	0	-11	0								Tipo di acciaio non contemplato
2	25	222	287	56	0	14	0								Tipo di acciaio non contemplato
7	25	169	194	50	0	12	0								Tipo di acciaio non contemplato
8	25	170	222	43	0	11	0								Tipo di acciaio non contemplato
1A	50	-24	-169	74	0	0	-42								Tipo di acciaio non contemplato
1B	50	-24	304	74	0	0	76								Tipo di acciaio non contemplato
1C	50	-24	-169	-50	0	0	-42								Tipo di acciaio non contemplato
1D	50	-24	304	-50	0	0	76								Tipo di acciaio non contemplato
1E	50	98	-169	74	0	0	-42								Tipo di acciaio non contemplato
1F	50	98	304	74	0	0	76								Tipo di acciaio non contemplato
1G	50	98	-169	-50	0	0	-42								Tipo di acciaio non contemplato
1H	50	98	304	-50	0	0	76								Tipo di acciaio non contemplato
1I	50	4	-248	70	0	0	-61								Tipo di acciaio non contemplato
1J	50	4	382	70	0	0	96								Tipo di acciaio non contemplato
1K	50	4	-248	-46	0	0	-61								Tipo di acciaio non contemplato
1L	50	4	382	-46	0	0	96								Tipo di acciaio non contemplato
1M	50	70	-248	70	0	0	-61								Tipo di acciaio non contemplato
1N	50	70	382	70	0	0	96								Tipo di acciaio non contemplato
1O	50	70	-248	-46	0	0	-61								Tipo di acciaio non contemplato
1P	50	70	382	-46	0	0	96								Tipo di acciaio non contemplato
2	50	222	285	56	0	0	71								Tipo di acciaio non contemplato
7	50	169	191	50	0	0	48								Tipo di acciaio non contemplato
8	50	170	219	43	0	0	55								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-24	22	17								Tipo di acciaio non contemplato
1B	-24	22	31								Tipo di acciaio non contemplato
1C	-24	14	17								Tipo di acciaio non contemplato
1D	-24	14	31								Tipo di acciaio non contemplato
1E	98	22	17								Tipo di acciaio non contemplato
1F	98	22	31								Tipo di acciaio non contemplato
1G	98	14	17								Tipo di acciaio non contemplato

1H	98	14	31	Tipo di acciaio non contemplato
1I	4	21	25	Tipo di acciaio non contemplato
1J	4	21	39	Tipo di acciaio non contemplato
1K	4	13	25	Tipo di acciaio non contemplato
1L	4	13	39	Tipo di acciaio non contemplato
1M	70	21	25	Tipo di acciaio non contemplato
1N	70	21	39	Tipo di acciaio non contemplato
1O	70	13	25	Tipo di acciaio non contemplato
1P	70	13	39	Tipo di acciaio non contemplato
2	222	17	29	Tipo di acciaio non contemplato
7	169	15	20	Tipo di acciaio non contemplato
8	170	13	22	Tipo di acciaio non contemplato

ASTA NUM. 203 NI 687 NF 695 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-76	-185	98	0	49	47								Tipo di acciaio non contemplato
1B	0	-76	351	98	0	49	-88								Tipo di acciaio non contemplato
1C	0	-76	-185	-150	0	-75	47								Tipo di acciaio non contemplato
1D	0	-76	351	-150	0	-75	-88								Tipo di acciaio non contemplato
1E	0	176	-185	98	0	49	47								Tipo di acciaio non contemplato
1F	0	176	351	98	0	49	-88								Tipo di acciaio non contemplato
1G	0	176	-185	-150	0	-75	47								Tipo di acciaio non contemplato
1H	0	176	351	-150	0	-75	-88								Tipo di acciaio non contemplato
1I	0	3	-138	54	0	27	35								Tipo di acciaio non contemplato
1J	0	3	304	54	0	27	-76								Tipo di acciaio non contemplato
1K	0	3	-138	-106	0	-53	35								Tipo di acciaio non contemplato
1L	0	3	304	-106	0	-53	-76								Tipo di acciaio non contemplato
1M	0	98	-138	54	0	27	35								Tipo di acciaio non contemplato
1N	0	98	304	54	0	27	-76								Tipo di acciaio non contemplato
1O	0	98	-138	-106	0	-53	35								Tipo di acciaio non contemplato
1P	0	98	304	-106	0	-53	-76								Tipo di acciaio non contemplato
2	0	178	274	-66	0	-33	-69								Tipo di acciaio non contemplato
7	0	144	204	-47	0	-23	-51								Tipo di acciaio non contemplato
8	0	143	213	-60	0	-30	-53								Tipo di acciaio non contemplato
1A	25	-76	-187	98	0	25	0								Tipo di acciaio non contemplato
1B	25	-76	349	98	0	25	0								Tipo di acciaio non contemplato
1C	25	-76	-187	-150	0	-37	0								Tipo di acciaio non contemplato
1D	25	-76	349	-150	0	-37	0								Tipo di acciaio non contemplato
1E	25	176	-187	98	0	25	0								Tipo di acciaio non contemplato
1F	25	176	349	98	0	25	0								Tipo di acciaio non contemplato
1G	25	176	-187	-150	0	-37	0								Tipo di acciaio non contemplato
1H	25	176	349	-150	0	-37	0								Tipo di acciaio non contemplato
1I	25	3	-140	54	0	14	0								Tipo di acciaio non contemplato
1J	25	3	301	54	0	14	0								Tipo di acciaio non contemplato
1K	25	3	-140	-106	0	-26	0								Tipo di acciaio non contemplato
1L	25	3	301	-106	0	-26	0								Tipo di acciaio non contemplato
1M	25	98	-140	54	0	14	0								Tipo di acciaio non contemplato
1N	25	98	301	54	0	14	0								Tipo di acciaio non contemplato
1O	25	98	-140	-106	0	-26	0								Tipo di acciaio non contemplato
1P	25	98	301	-106	0	-26	0								Tipo di acciaio non contemplato
2	25	178	271	-66	0	-16	0								Tipo di acciaio non contemplato
7	25	144	201	-47	0	-12	0								Tipo di acciaio non contemplato
8	25	143	210	-60	0	-15	0								Tipo di acciaio non contemplato
1A	50	-76	-190	98	0	0	-47								Tipo di acciaio non contemplato
1B	50	-76	346	98	0	0	87								Tipo di acciaio non contemplato
1C	50	-76	-190	-150	0	0	-47								Tipo di acciaio non contemplato
1D	50	-76	346	-150	0	0	87								Tipo di acciaio non contemplato
1E	50	176	-190	98	0	0	-47								Tipo di acciaio non contemplato
1F	50	176	346	98	0	0	87								Tipo di acciaio non contemplato
1G	50	176	-190	-150	0	0	-47								Tipo di acciaio non contemplato
1H	50	176	346	-150	0	0	87								Tipo di acciaio non contemplato
1I	50	3	-142	54	0	0	-35								Tipo di acciaio non contemplato
1J	50	3	299	54	0	0	75								Tipo di acciaio non contemplato
1K	50	3	-142	-106	0	0	-35								Tipo di acciaio non contemplato
1L	50	3	299	-106	0	0	75								Tipo di acciaio non contemplato
1M	50	98	-142	54	0	0	-35								Tipo di acciaio non contemplato
1N	50	98	299	54	0	0	75								Tipo di acciaio non contemplato
1O	50	98	-142	-106	0	0	-35								Tipo di acciaio non contemplato
1P	50	98	299	-106	0	0	75								Tipo di acciaio non contemplato
2	50	178	268	-66	0	0	67								Tipo di acciaio non contemplato
7	50	144	198	-47	0	0	50								Tipo di acciaio non contemplato
8	50	143	208	-60	0	0	52								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-76	30	19								Tipo di acciaio non contemplato
1B	-76	30	35								Tipo di acciaio non contemplato
1C	-76	45	19								Tipo di acciaio non contemplato
1D	-76	45	35								Tipo di acciaio non contemplato
1E	176	30	19								Tipo di acciaio non contemplato

1F	176	30	35	Tipo di acciaio non contemplato
1G	176	45	19	Tipo di acciaio non contemplato
1H	176	45	35	Tipo di acciaio non contemplato
1I	3	17	14	Tipo di acciaio non contemplato
1J	3	17	30	Tipo di acciaio non contemplato
1K	3	32	14	Tipo di acciaio non contemplato
1L	3	32	30	Tipo di acciaio non contemplato
1M	98	17	14	Tipo di acciaio non contemplato
1N	98	17	30	Tipo di acciaio non contemplato
1O	98	32	14	Tipo di acciaio non contemplato
1P	98	32	30	Tipo di acciaio non contemplato
2	178	20	27	Tipo di acciaio non contemplato
7	144	14	20	Tipo di acciaio non contemplato
8	143	18	21	Tipo di acciaio non contemplato

ASTA NUM. 204 NI 606 NF 614 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	148	-229	6	0	0	58								Tipo di acciaio non contemplato
1B	0	148	360	6	0	0	-88								Tipo di acciaio non contemplato
1C	0	148	-229	3	0	0	58								Tipo di acciaio non contemplato
1D	0	148	360	3	0	0	-88								Tipo di acciaio non contemplato
1E	0	369	-229	6	0	0	58								Tipo di acciaio non contemplato
1F	0	369	360	6	0	0	-88								Tipo di acciaio non contemplato
1G	0	369	-229	3	0	0	58								Tipo di acciaio non contemplato
1H	0	369	360	3	0	0	-88								Tipo di acciaio non contemplato
1I	0	169	-450	7	0	1	111								Tipo di acciaio non contemplato
1J	0	169	581	7	0	1	-141								Tipo di acciaio non contemplato
1K	0	169	-450	2	0	0	111								Tipo di acciaio non contemplato
1L	0	169	581	2	0	0	-141								Tipo di acciaio non contemplato
1M	0	348	-450	7	0	1	111								Tipo di acciaio non contemplato
1N	0	348	581	7	0	1	-141								Tipo di acciaio non contemplato
1O	0	348	-450	2	0	0	111								Tipo di acciaio non contemplato
1P	0	348	581	2	0	0	-141								Tipo di acciaio non contemplato
2	0	576	-25	7	0	0	4								Tipo di acciaio non contemplato
7	0	505	-44	7	0	0	10								Tipo di acciaio non contemplato
8	0	503	4	7	0	0	-2								Tipo di acciaio non contemplato
1A	25	148	-231	6	0	0	0								Tipo di acciaio non contemplato
1B	25	148	358	6	0	0	2								Tipo di acciaio non contemplato
1C	25	148	-231	3	0	0	0								Tipo di acciaio non contemplato
1D	25	148	358	3	0	0	2								Tipo di acciaio non contemplato
1E	25	369	-231	6	0	0	0								Tipo di acciaio non contemplato
1F	25	369	358	6	0	0	2								Tipo di acciaio non contemplato
1G	25	369	-231	3	0	0	0								Tipo di acciaio non contemplato
1H	25	369	358	3	0	0	2								Tipo di acciaio non contemplato
1I	25	169	-452	7	0	0	-1								Tipo di acciaio non contemplato
1J	25	169	578	7	0	0	4								Tipo di acciaio non contemplato
1K	25	169	-452	2	0	0	-1								Tipo di acciaio non contemplato
1L	25	169	578	2	0	0	4								Tipo di acciaio non contemplato
1M	25	348	-452	7	0	0	-1								Tipo di acciaio non contemplato
1N	25	348	578	7	0	0	4								Tipo di acciaio non contemplato
1O	25	348	-452	2	0	0	-1								Tipo di acciaio non contemplato
1P	25	348	578	2	0	0	4								Tipo di acciaio non contemplato
2	25	576	-28	7	0	-1	-2								Tipo di acciaio non contemplato
7	25	505	-47	7	0	-1	-2								Tipo di acciaio non contemplato
8	25	503	1	7	0	-1	-1								Tipo di acciaio non contemplato
1A	50	148	-234	6	0	-2	-58								Tipo di acciaio non contemplato
1B	50	148	356	6	0	-2	91								Tipo di acciaio non contemplato
1C	50	148	-234	3	0	-1	-58								Tipo di acciaio non contemplato
1D	50	148	356	3	0	-1	91								Tipo di acciaio non contemplato
1E	50	369	-234	6	0	-2	-58								Tipo di acciaio non contemplato
1F	50	369	356	6	0	-2	91								Tipo di acciaio non contemplato
1G	50	369	-234	3	0	-1	-58								Tipo di acciaio non contemplato
1H	50	369	356	3	0	-1	91								Tipo di acciaio non contemplato
1I	50	169	-454	7	0	-3	-114								Tipo di acciaio non contemplato
1J	50	169	576	7	0	-3	148								Tipo di acciaio non contemplato
1K	50	169	-454	2	0	-1	-114								Tipo di acciaio non contemplato
1L	50	169	576	2	0	-1	148								Tipo di acciaio non contemplato
1M	50	348	-454	7	0	-3	-114								Tipo di acciaio non contemplato
1N	50	348	576	7	0	-3	148								Tipo di acciaio non contemplato
1O	50	348	-454	2	0	-1	-114								Tipo di acciaio non contemplato
1P	50	348	576	2	0	-1	148								Tipo di acciaio non contemplato
2	50	576	-31	7	0	-3	-10								Tipo di acciaio non contemplato
7	50	505	-50	7	0	-3	-14								Tipo di acciaio non contemplato
8	50	503	-2	7	0	-3	-1								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	148	1	23								Tipo di acciaio non contemplato
1B	148	1	37								Tipo di acciaio non contemplato
1C	148	1	23								Tipo di acciaio non contemplato

1D	148	1	37	Tipo di acciaio non contemplato
1E	369	1	23	Tipo di acciaio non contemplato
1F	369	1	37	Tipo di acciaio non contemplato
1G	369	1	23	Tipo di acciaio non contemplato
1H	369	1	37	Tipo di acciaio non contemplato
1I	169	1	46	Tipo di acciaio non contemplato
1J	169	1	59	Tipo di acciaio non contemplato
1K	169	1	46	Tipo di acciaio non contemplato
1L	169	1	59	Tipo di acciaio non contemplato
1M	348	1	46	Tipo di acciaio non contemplato
1N	348	1	59	Tipo di acciaio non contemplato
1O	348	1	46	Tipo di acciaio non contemplato
1P	348	1	59	Tipo di acciaio non contemplato
2	576	1	4	Tipo di acciaio non contemplato
7	505	1	5	Tipo di acciaio non contemplato
8	503	1	2	Tipo di acciaio non contemplato

ASTA NUM. 205 NI 646 NF 654 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	21	-130	10	0	1	33								Tipo di acciaio non contemplato
1B	0	21	262	10	0	1	-64								Tipo di acciaio non contemplato
1C	0	21	-130	-2	0	0	33								Tipo di acciaio non contemplato
1D	0	21	262	-2	0	0	-64								Tipo di acciaio non contemplato
1E	0	193	-130	10	0	1	33								Tipo di acciaio non contemplato
1F	0	193	262	10	0	1	-64								Tipo di acciaio non contemplato
1G	0	193	-130	-2	0	0	33								Tipo di acciaio non contemplato
1H	0	193	262	-2	0	0	-64								Tipo di acciaio non contemplato
1I	0	-22	-214	9	0	1	53								Tipo di acciaio non contemplato
1J	0	-22	346	9	0	1	-85								Tipo di acciaio non contemplato
1K	0	-22	-214	-1	0	0	53								Tipo di acciaio non contemplato
1L	0	-22	346	-1	0	0	-85								Tipo di acciaio non contemplato
1M	0	235	-214	9	0	1	53								Tipo di acciaio non contemplato
1N	0	235	346	9	0	1	-85								Tipo di acciaio non contemplato
1O	0	235	-214	-1	0	0	53								Tipo di acciaio non contemplato
1P	0	235	346	-1	0	0	-85								Tipo di acciaio non contemplato
2	0	562	244	9	0	2	-59								Tipo di acciaio non contemplato
7	0	422	165	9	0	1	-39								Tipo di acciaio non contemplato
8	0	433	191	8	0	1	-46								Tipo di acciaio non contemplato
1A	25	21	-132	10	0	-1	0								Tipo di acciaio non contemplato
1B	25	21	260	10	0	-1	0								Tipo di acciaio non contemplato
1C	25	21	-132	-2	0	0	0								Tipo di acciaio non contemplato
1D	25	21	260	-2	0	0	0								Tipo di acciaio non contemplato
1E	25	193	-132	10	0	-1	0								Tipo di acciaio non contemplato
1F	25	193	260	10	0	-1	0								Tipo di acciaio non contemplato
1G	25	193	-132	-2	0	0	0								Tipo di acciaio non contemplato
1H	25	193	260	-2	0	0	0								Tipo di acciaio non contemplato
1I	25	-22	-216	9	0	0	0								Tipo di acciaio non contemplato
1J	25	-22	343	9	0	0	1								Tipo di acciaio non contemplato
1K	25	-22	-216	-1	0	0	0								Tipo di acciaio non contemplato
1L	25	-22	343	-1	0	0	1								Tipo di acciaio non contemplato
1M	25	235	-216	9	0	0	0								Tipo di acciaio non contemplato
1N	25	235	343	9	0	0	1								Tipo di acciaio non contemplato
1O	25	235	-216	-1	0	0	0								Tipo di acciaio non contemplato
1P	25	235	343	-1	0	0	1								Tipo di acciaio non contemplato
2	25	562	242	9	0	0	2								Tipo di acciaio non contemplato
7	25	422	162	9	0	0	1								Tipo di acciaio non contemplato
8	25	433	188	8	0	0	1								Tipo di acciaio non contemplato
1A	50	21	-135	10	0	-4	-34								Tipo di acciaio non contemplato
1B	50	21	258	10	0	-4	66								Tipo di acciaio non contemplato
1C	50	21	-135	-2	0	0	-34								Tipo di acciaio non contemplato
1D	50	21	258	-2	0	0	66								Tipo di acciaio non contemplato
1E	50	193	-135	10	0	-4	-34								Tipo di acciaio non contemplato
1F	50	193	258	10	0	-4	66								Tipo di acciaio non contemplato
1G	50	193	-135	-2	0	0	-34								Tipo di acciaio non contemplato
1H	50	193	258	-2	0	0	66								Tipo di acciaio non contemplato
1I	50	-22	-218	9	0	-3	-55								Tipo di acciaio non contemplato
1J	50	-22	341	9	0	-3	87								Tipo di acciaio non contemplato
1K	50	-22	-218	-1	0	0	-55								Tipo di acciaio non contemplato
1L	50	-22	341	-1	0	0	87								Tipo di acciaio non contemplato
1M	50	235	-218	9	0	-3	-55								Tipo di acciaio non contemplato
1N	50	235	341	9	0	-3	87								Tipo di acciaio non contemplato
1O	50	235	-218	-1	0	0	-55								Tipo di acciaio non contemplato
1P	50	235	341	-1	0	0	87								Tipo di acciaio non contemplato
2	50	562	239	9	0	-3	62								Tipo di acciaio non contemplato
7	50	422	159	9	0	-3	41								Tipo di acciaio non contemplato
8	50	433	185	8	0	-3	48								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	21	2	13								Tipo di acciaio non contemplato

1B	21	2	26	Tipo di acciaio non contemplato
1C	21	0	13	Tipo di acciaio non contemplato
1D	21	0	26	Tipo di acciaio non contemplato
1E	193	2	13	Tipo di acciaio non contemplato
1F	193	2	26	Tipo di acciaio non contemplato
1G	193	0	13	Tipo di acciaio non contemplato
1H	193	0	26	Tipo di acciaio non contemplato
1I	-22	1	22	Tipo di acciaio non contemplato
1J	-22	1	35	Tipo di acciaio non contemplato
1K	-22	0	22	Tipo di acciaio non contemplato
1L	-22	0	35	Tipo di acciaio non contemplato
1M	235	1	22	Tipo di acciaio non contemplato
1N	235	1	35	Tipo di acciaio non contemplato
1O	235	0	22	Tipo di acciaio non contemplato
1P	235	0	35	Tipo di acciaio non contemplato
2	562	1	25	Tipo di acciaio non contemplato
7	422	1	17	Tipo di acciaio non contemplato
8	433	1	19	Tipo di acciaio non contemplato

ASTA NUM. 206 NI 686 NF 694 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	5	-186	84	0	40	47								Tipo di acciaio non contemplato
1B	0	5	333	84	0	40	-82								Tipo di acciaio non contemplato
1C	0	5	-186	-122	0	-56	47								Tipo di acciaio non contemplato
1D	0	5	333	-122	0	-56	-82								Tipo di acciaio non contemplato
1E	0	213	-186	84	0	40	47								Tipo di acciaio non contemplato
1F	0	213	333	84	0	40	-82								Tipo di acciaio non contemplato
1G	0	213	-186	-122	0	-56	47								Tipo di acciaio non contemplato
1H	0	213	333	-122	0	-56	-82								Tipo di acciaio non contemplato
1I	0	39	-141	53	0	26	36								Tipo di acciaio non contemplato
1J	0	39	289	53	0	26	-71								Tipo di acciaio non contemplato
1K	0	39	-141	-91	0	-42	36								Tipo di acciaio non contemplato
1L	0	39	289	-91	0	-42	-71								Tipo di acciaio non contemplato
1M	0	179	-141	53	0	26	36								Tipo di acciaio non contemplato
1N	0	179	289	53	0	26	-71								Tipo di acciaio non contemplato
1O	0	179	-141	-91	0	-42	36								Tipo di acciaio non contemplato
1P	0	179	289	-91	0	-42	-71								Tipo di acciaio non contemplato
2	0	467	233	-46	0	-20	-56								Tipo di acciaio non contemplato
7	0	364	170	-31	0	-14	-41								Tipo di acciaio non contemplato
8	0	365	183	-43	0	-19	-44								Tipo di acciaio non contemplato
1A	25	5	-188	84	0	19	0								Tipo di acciaio non contemplato
1B	25	5	331	84	0	19	0								Tipo di acciaio non contemplato
1C	25	5	-188	-122	0	-26	0								Tipo di acciaio non contemplato
1D	25	5	331	-122	0	-26	0								Tipo di acciaio non contemplato
1E	25	213	-188	84	0	19	0								Tipo di acciaio non contemplato
1F	25	213	331	84	0	19	0								Tipo di acciaio non contemplato
1G	25	213	-188	-122	0	-26	0								Tipo di acciaio non contemplato
1H	25	213	331	-122	0	-26	0								Tipo di acciaio non contemplato
1I	25	39	-143	53	0	12	0								Tipo di acciaio non contemplato
1J	25	39	286	53	0	12	0								Tipo di acciaio non contemplato
1K	25	39	-143	-91	0	-19	0								Tipo di acciaio non contemplato
1L	25	39	286	-91	0	-19	0								Tipo di acciaio non contemplato
1M	25	179	-143	53	0	12	0								Tipo di acciaio non contemplato
1N	25	179	286	53	0	12	0								Tipo di acciaio non contemplato
1O	25	179	-143	-91	0	-19	0								Tipo di acciaio non contemplato
1P	25	179	286	-91	0	-19	0								Tipo di acciaio non contemplato
2	25	467	230	-46	0	-9	2								Tipo di acciaio non contemplato
7	25	364	168	-31	0	-6	2								Tipo di acciaio non contemplato
8	25	365	180	-43	0	-8	2								Tipo di acciaio non contemplato
1A	50	5	-190	84	0	-2	-47								Tipo di acciaio non contemplato
1B	50	5	329	84	0	-2	83								Tipo di acciaio non contemplato
1C	50	5	-190	-122	0	4	-47								Tipo di acciaio non contemplato
1D	50	5	329	-122	0	4	83								Tipo di acciaio non contemplato
1E	50	213	-190	84	0	-2	-47								Tipo di acciaio non contemplato
1F	50	213	329	84	0	-2	83								Tipo di acciaio non contemplato
1G	50	213	-190	-122	0	4	-47								Tipo di acciaio non contemplato
1H	50	213	329	-122	0	4	83								Tipo di acciaio non contemplato
1I	50	39	-145	53	0	0	-36								Tipo di acciaio non contemplato
1J	50	39	284	53	0	0	72								Tipo di acciaio non contemplato
1K	50	39	-145	-91	0	3	-36								Tipo di acciaio non contemplato
1L	50	39	284	-91	0	3	72								Tipo di acciaio non contemplato
1M	50	179	-145	53	0	0	-36								Tipo di acciaio non contemplato
1N	50	179	284	53	0	0	72								Tipo di acciaio non contemplato
1O	50	179	-145	-91	0	3	-36								Tipo di acciaio non contemplato
1P	50	179	284	-91	0	3	72								Tipo di acciaio non contemplato
2	50	467	227	-46	0	3	59								Tipo di acciaio non contemplato
7	50	364	165	-31	0	2	43								Tipo di acciaio non contemplato
8	50	365	177	-43	0	2	46								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		

1A	5	23	19	Tipo di acciaio non contemplato
1B	5	23	33	Tipo di acciaio non contemplato
1C	5	32	19	Tipo di acciaio non contemplato
1D	5	32	33	Tipo di acciaio non contemplato
1E	213	23	19	Tipo di acciaio non contemplato
1F	213	23	33	Tipo di acciaio non contemplato
1G	213	32	19	Tipo di acciaio non contemplato
1H	213	32	33	Tipo di acciaio non contemplato
1I	39	15	14	Tipo di acciaio non contemplato
1J	39	15	29	Tipo di acciaio non contemplato
1K	39	24	14	Tipo di acciaio non contemplato
1L	39	24	29	Tipo di acciaio non contemplato
1M	179	15	14	Tipo di acciaio non contemplato
1N	179	15	29	Tipo di acciaio non contemplato
1O	179	24	14	Tipo di acciaio non contemplato
1P	179	24	29	Tipo di acciaio non contemplato
2	467	11	24	Tipo di acciaio non contemplato
7	364	7	17	Tipo di acciaio non contemplato
8	365	10	18	Tipo di acciaio non contemplato

ASTA NUM. 207 NI 605 NF 613 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1177	-226	161	0	50	45								Tipo di acciaio non contemplato
1B	0	-1177	86	161	0	50	-25								Tipo di acciaio non contemplato
1C	0	-1177	-226	-88	0	-30	45								Tipo di acciaio non contemplato
1D	0	-1177	86	-88	0	-30	-25								Tipo di acciaio non contemplato
1E	0	1282	-226	161	0	50	45								Tipo di acciaio non contemplato
1F	0	1282	86	161	0	50	-25								Tipo di acciaio non contemplato
1G	0	1282	-226	-88	0	-30	45								Tipo di acciaio non contemplato
1H	0	1282	86	-88	0	-30	-25								Tipo di acciaio non contemplato
1I	0	-1898	-318	202	0	64	45								Tipo di acciaio non contemplato
1J	0	-1898	178	202	0	64	-25								Tipo di acciaio non contemplato
1K	0	-1898	-318	-129	0	-44	45								Tipo di acciaio non contemplato
1L	0	-1898	178	-129	0	-44	-25								Tipo di acciaio non contemplato
1M	0	2003	-318	202	0	64	45								Tipo di acciaio non contemplato
1N	0	2003	178	202	0	64	-25								Tipo di acciaio non contemplato
1O	0	2003	-318	-129	0	-44	45								Tipo di acciaio non contemplato
1P	0	2003	178	-129	0	-44	-25								Tipo di acciaio non contemplato
2	0	306	305	128	0	39	-57								Tipo di acciaio non contemplato
7	0	502	226	118	0	35	-43								Tipo di acciaio non contemplato
8	0	272	187	102	0	30	-36								Tipo di acciaio non contemplato
1A	25	-1177	-228	161	0	10	-12								Tipo di acciaio non contemplato
1B	25	-1177	84	161	0	10	-3								Tipo di acciaio non contemplato
1C	25	-1177	-228	-88	0	-7	-12								Tipo di acciaio non contemplato
1D	25	-1177	84	-88	0	-7	-3								Tipo di acciaio non contemplato
1E	25	1282	-228	161	0	10	-12								Tipo di acciaio non contemplato
1F	25	1282	84	161	0	10	-3								Tipo di acciaio non contemplato
1G	25	1282	-228	-88	0	-7	-12								Tipo di acciaio non contemplato
1H	25	1282	84	-88	0	-7	-3								Tipo di acciaio non contemplato
1I	25	-1898	-320	202	0	14	-35								Tipo di acciaio non contemplato
1J	25	-1898	176	202	0	14	20								Tipo di acciaio non contemplato
1K	25	-1898	-320	-129	0	-12	-35								Tipo di acciaio non contemplato
1L	25	-1898	176	-129	0	-12	20								Tipo di acciaio non contemplato
1M	25	2003	-320	202	0	14	-35								Tipo di acciaio non contemplato
1N	25	2003	176	202	0	14	20								Tipo di acciaio non contemplato
1O	25	2003	-320	-129	0	-12	-35								Tipo di acciaio non contemplato
1P	25	2003	176	-129	0	-12	20								Tipo di acciaio non contemplato
2	25	306	302	128	0	7	19								Tipo di acciaio non contemplato
7	25	502	224	118	0	6	13								Tipo di acciaio non contemplato
8	25	272	185	102	0	5	10								Tipo di acciaio non contemplato
1A	50	-1177	-231	161	0	-31	-70								Tipo di acciaio non contemplato
1B	50	-1177	82	161	0	-31	18								Tipo di acciaio non contemplato
1C	50	-1177	-231	-88	0	15	-70								Tipo di acciaio non contemplato
1D	50	-1177	82	-88	0	15	18								Tipo di acciaio non contemplato
1E	50	1282	-231	161	0	-31	-70								Tipo di acciaio non contemplato
1F	50	1282	82	161	0	-31	18								Tipo di acciaio non contemplato
1G	50	1282	-231	-88	0	15	-70								Tipo di acciaio non contemplato
1H	50	1282	82	-88	0	15	18								Tipo di acciaio non contemplato
1I	50	-1898	-323	202	0	-37	-116								Tipo di acciaio non contemplato
1J	50	-1898	174	202	0	-37	64								Tipo di acciaio non contemplato
1K	50	-1898	-323	-129	0	21	-116								Tipo di acciaio non contemplato
1L	50	-1898	174	-129	0	21	64								Tipo di acciaio non contemplato
1M	50	2003	-323	202	0	-37	-116								Tipo di acciaio non contemplato
1N	50	2003	174	202	0	-37	64								Tipo di acciaio non contemplato
1O	50	2003	-323	-129	0	21	-116								Tipo di acciaio non contemplato
1P	50	2003	174	-129	0	21	64								Tipo di acciaio non contemplato
2	50	306	299	128	0	-25	94								Tipo di acciaio non contemplato
7	50	502	221	118	0	-23	69								Tipo di acciaio non contemplato
8	50	272	182	102	0	-21	56								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota

	kg	kg*m		kg/cmq	
1A	-1177	20	28	Tipo di acciaio non contemplato	
1B	-1177	20	10	Tipo di acciaio non contemplato	
1C	-1177	12	28	Tipo di acciaio non contemplato	
1D	-1177	12	10	Tipo di acciaio non contemplato	
1E	1282	20	28	Tipo di acciaio non contemplato	
1F	1282	20	10	Tipo di acciaio non contemplato	
1G	1282	12	28	Tipo di acciaio non contemplato	
1H	1282	12	10	Tipo di acciaio non contemplato	
1I	-1898	26	52	Tipo di acciaio non contemplato	
1J	-1898	26	28	Tipo di acciaio non contemplato	
1K	-1898	18	52	Tipo di acciaio non contemplato	
1L	-1898	18	28	Tipo di acciaio non contemplato	
1M	2003	26	52	Tipo di acciaio non contemplato	
1N	2003	26	28	Tipo di acciaio non contemplato	
1O	2003	18	52	Tipo di acciaio non contemplato	
1P	2003	18	28	Tipo di acciaio non contemplato	
2	306	15	38	Tipo di acciaio non contemplato	
7	502	14	27	Tipo di acciaio non contemplato	
8	272	12	22	Tipo di acciaio non contemplato	

ASTA NUM. 208 NI 645 NF 653 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1655	-138	169	0	23	41						Tipo di acciaio non contemplato		
1B	0	-1655	63	169	0	23	-12						Tipo di acciaio non contemplato		
1C	0	-1655	-138	-40	0	-4	41						Tipo di acciaio non contemplato		
1D	0	-1655	63	-40	0	-4	-12						Tipo di acciaio non contemplato		
1E	0	-443	-138	169	0	23	41						Tipo di acciaio non contemplato		
1F	0	-443	63	169	0	23	-12						Tipo di acciaio non contemplato		
1G	0	-443	-138	-40	0	-4	41						Tipo di acciaio non contemplato		
1H	0	-443	63	-40	0	-4	-12						Tipo di acciaio non contemplato		
1I	0	-2617	-114	192	0	26	29						Tipo di acciaio non contemplato		
1J	0	-2617	39	192	0	26	0						Tipo di acciaio non contemplato		
1K	0	-2617	-114	-63	0	-7	29						Tipo di acciaio non contemplato		
1L	0	-2617	39	-63	0	-7	0						Tipo di acciaio non contemplato		
1M	0	519	-114	192	0	26	29						Tipo di acciaio non contemplato		
1N	0	519	39	192	0	26	0						Tipo di acciaio non contemplato		
1O	0	519	-114	-63	0	-7	29						Tipo di acciaio non contemplato		
1P	0	519	39	-63	0	-7	0						Tipo di acciaio non contemplato		
2	0	-4642	-282	149	0	22	89						Tipo di acciaio non contemplato		
7	0	-3486	-220	144	0	21	70						Tipo di acciaio non contemplato		
8	0	-3631	-215	127	0	19	69						Tipo di acciaio non contemplato		
1A	25	-1655	-140	169	0	-19	6						Tipo di acciaio non contemplato		
1B	25	-1655	61	169	0	-19	4						Tipo di acciaio non contemplato		
1C	25	-1655	-140	-40	0	6	6						Tipo di acciaio non contemplato		
1D	25	-1655	61	-40	0	6	4						Tipo di acciaio non contemplato		
1E	25	-443	-140	169	0	-19	6						Tipo di acciaio non contemplato		
1F	25	-443	61	169	0	-19	4						Tipo di acciaio non contemplato		
1G	25	-443	-140	-40	0	6	6						Tipo di acciaio non contemplato		
1H	25	-443	61	-40	0	6	4						Tipo di acciaio non contemplato		
1I	25	-2617	-116	192	0	-22	0						Tipo di acciaio non contemplato		
1J	25	-2617	37	192	0	-22	10						Tipo di acciaio non contemplato		
1K	25	-2617	-116	-63	0	8	0						Tipo di acciaio non contemplato		
1L	25	-2617	37	-63	0	8	10						Tipo di acciaio non contemplato		
1M	25	519	-116	192	0	-22	0						Tipo di acciaio non contemplato		
1N	25	519	37	192	0	-22	10						Tipo di acciaio non contemplato		
1O	25	519	-116	-63	0	8	0						Tipo di acciaio non contemplato		
1P	25	519	37	-63	0	8	10						Tipo di acciaio non contemplato		
2	25	-4642	-285	149	0	-15	18						Tipo di acciaio non contemplato		
7	25	-3486	-223	144	0	-15	14						Tipo di acciaio non contemplato		
8	25	-3631	-218	127	0	-13	15						Tipo di acciaio non contemplato		
1A	50	-1655	-142	169	0	-61	-29						Tipo di acciaio non contemplato		
1B	50	-1655	59	169	0	-61	19						Tipo di acciaio non contemplato		
1C	50	-1655	-142	-40	0	16	-29						Tipo di acciaio non contemplato		
1D	50	-1655	59	-40	0	16	19						Tipo di acciaio non contemplato		
1E	50	-443	-142	169	0	-61	-29						Tipo di acciaio non contemplato		
1F	50	-443	59	169	0	-61	19						Tipo di acciaio non contemplato		
1G	50	-443	-142	-40	0	16	-29						Tipo di acciaio non contemplato		
1H	50	-443	59	-40	0	16	19						Tipo di acciaio non contemplato		
1I	50	-2617	-118	192	0	-70	-29						Tipo di acciaio non contemplato		
1J	50	-2617	35	192	0	-70	19						Tipo di acciaio non contemplato		
1K	50	-2617	-118	-63	0	24	-29						Tipo di acciaio non contemplato		
1L	50	-2617	35	-63	0	24	19						Tipo di acciaio non contemplato		
1M	50	519	-118	192	0	-70	-29						Tipo di acciaio non contemplato		
1N	50	519	35	192	0	-70	19						Tipo di acciaio non contemplato		
1O	50	519	-118	-63	0	24	-29						Tipo di acciaio non contemplato		
1P	50	519	35	-63	0	24	19						Tipo di acciaio non contemplato		
2	50	-4642	-288	149	0	-52	-53						Tipo di acciaio non contemplato		
7	50	-3486	-226	144	0	-51	-42						Tipo di acciaio non contemplato		
8	50	-3631	-221	127	0	-44	-40						Tipo di acciaio non contemplato		

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-1655	27	17								Tipo di acciaio non contemplato
1B	-1655	27	8								Tipo di acciaio non contemplato
1C	-1655	8	17								Tipo di acciaio non contemplato
1D	-1655	8	8								Tipo di acciaio non contemplato
1E	-443	27	17								Tipo di acciaio non contemplato
1F	-443	27	8								Tipo di acciaio non contemplato
1G	-443	8	17								Tipo di acciaio non contemplato
1H	-443	8	8								Tipo di acciaio non contemplato
1I	-2617	31	12								Tipo di acciaio non contemplato
1J	-2617	31	12								Tipo di acciaio non contemplato
1K	-2617	12	12								Tipo di acciaio non contemplato
1L	-2617	12	12								Tipo di acciaio non contemplato
1M	519	31	12								Tipo di acciaio non contemplato
1N	519	31	12								Tipo di acciaio non contemplato
1O	519	12	12								Tipo di acciaio non contemplato
1P	519	12	12								Tipo di acciaio non contemplato
2	-4642	22	36								Tipo di acciaio non contemplato
7	-3486	22	28								Tipo di acciaio non contemplato
8	-3631	19	28								Tipo di acciaio non contemplato

ASTA NUM. 209 NI 685 NF 693 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-1390	-260	348	0	99	69								Tipo di acciaio non contemplato
1B	0	-1390	184	348	0	99	-44								Tipo di acciaio non contemplato
1C	0	-1390	-260	-387	0	-114	69								Tipo di acciaio non contemplato
1D	0	-1390	184	-387	0	-114	-44								Tipo di acciaio non contemplato
1E	0	-450	-260	348	0	99	69								Tipo di acciaio non contemplato
1F	0	-450	184	348	0	99	-44								Tipo di acciaio non contemplato
1G	0	-450	-260	-387	0	-114	69								Tipo di acciaio non contemplato
1H	0	-450	184	-387	0	-114	-44								Tipo di acciaio non contemplato
1I	0	-1556	-199	257	0	73	51								Tipo di acciaio non contemplato
1J	0	-1556	123	257	0	73	-25								Tipo di acciaio non contemplato
1K	0	-1556	-199	-295	0	-87	51								Tipo di acciaio non contemplato
1L	0	-1556	123	-295	0	-87	-25								Tipo di acciaio non contemplato
1M	0	-284	-199	257	0	73	51								Tipo di acciaio non contemplato
1N	0	-284	123	257	0	73	-25								Tipo di acciaio non contemplato
1O	0	-284	-199	-295	0	-87	51								Tipo di acciaio non contemplato
1P	0	-284	123	-295	0	-87	-25								Tipo di acciaio non contemplato
2	0	-4085	-250	-38	0	-16	77								Tipo di acciaio non contemplato
7	0	-3166	-211	-3	0	-4	64								Tipo di acciaio non contemplato
8	0	-3160	-188	-43	0	-16	58								Tipo di acciaio non contemplato
1A	25	-1390	-262	348	0	12	4								Tipo di acciaio non contemplato
1B	25	-1390	182	348	0	12	2								Tipo di acciaio non contemplato
1C	25	-1390	-262	-387	0	-17	4								Tipo di acciaio non contemplato
1D	25	-1390	182	-387	0	-17	2								Tipo di acciaio non contemplato
1E	25	-450	-262	348	0	12	4								Tipo di acciaio non contemplato
1F	25	-450	182	348	0	12	2								Tipo di acciaio non contemplato
1G	25	-450	-262	-387	0	-17	4								Tipo di acciaio non contemplato
1H	25	-450	182	-387	0	-17	2								Tipo di acciaio non contemplato
1I	25	-1556	-201	257	0	8	0								Tipo di acciaio non contemplato
1J	25	-1556	121	257	0	8	5								Tipo di acciaio non contemplato
1K	25	-1556	-201	-295	0	-13	0								Tipo di acciaio non contemplato
1L	25	-1556	121	-295	0	-13	5								Tipo di acciaio non contemplato
1M	25	-284	-201	257	0	8	0								Tipo di acciaio non contemplato
1N	25	-284	121	257	0	8	5								Tipo di acciaio non contemplato
1O	25	-284	-201	-295	0	-13	0								Tipo di acciaio non contemplato
1P	25	-284	121	-295	0	-13	5								Tipo di acciaio non contemplato
2	25	-4085	-253	-38	0	-6	14								Tipo di acciaio non contemplato
7	25	-3166	-214	-3	0	-4	11								Tipo di acciaio non contemplato
8	25	-3160	-191	-43	0	-6	11								Tipo di acciaio non contemplato
1A	50	-1390	-264	348	0	-75	-62								Tipo di acciaio non contemplato
1B	50	-1390	180	348	0	-75	47								Tipo di acciaio non contemplato
1C	50	-1390	-264	-387	0	80	-62								Tipo di acciaio non contemplato
1D	50	-1390	180	-387	0	80	47								Tipo di acciaio non contemplato
1E	50	-450	-264	348	0	-75	-62								Tipo di acciaio non contemplato
1F	50	-450	180	348	0	-75	47								Tipo di acciaio non contemplato
1G	50	-450	-264	-387	0	80	-62								Tipo di acciaio non contemplato
1H	50	-450	180	-387	0	80	47								Tipo di acciaio non contemplato
1I	50	-1556	-203	257	0	-56	-50								Tipo di acciaio non contemplato
1J	50	-1556	118	257	0	-56	35								Tipo di acciaio non contemplato
1K	50	-1556	-203	-295	0	60	-50								Tipo di acciaio non contemplato
1L	50	-1556	118	-295	0	60	35								Tipo di acciaio non contemplato
1M	50	-284	-203	257	0	-56	-50								Tipo di acciaio non contemplato
1N	50	-284	118	257	0	-56	35								Tipo di acciaio non contemplato
1O	50	-284	-203	-295	0	60	-50								Tipo di acciaio non contemplato
1P	50	-284	118	-295	0	60	35								Tipo di acciaio non contemplato
2	50	-4085	-256	-38	0	3	-49								Tipo di acciaio non contemplato
7	50	-3166	-217	-3	0	-3	-43								Tipo di acciaio non contemplato
8	50	-3160	-193	-43	0	5	-37								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-1390	40	28								Tipo di acciaio non contemplato
1B	-1390	40	19								Tipo di acciaio non contemplato
1C	-1390	45	28								Tipo di acciaio non contemplato
1D	-1390	45	19								Tipo di acciaio non contemplato
1E	-450	40	28								Tipo di acciaio non contemplato
1F	-450	40	19								Tipo di acciaio non contemplato
1G	-450	45	28								Tipo di acciaio non contemplato
1H	-450	45	19								Tipo di acciaio non contemplato
1I	-1556	29	20								Tipo di acciaio non contemplato
1J	-1556	29	14								Tipo di acciaio non contemplato
1K	-1556	35	20								Tipo di acciaio non contemplato
1L	-1556	35	14								Tipo di acciaio non contemplato
1M	-284	29	20								Tipo di acciaio non contemplato
1N	-284	29	14								Tipo di acciaio non contemplato
1O	-284	35	20								Tipo di acciaio non contemplato
1P	-284	35	14								Tipo di acciaio non contemplato
2	-4085	8	31								Tipo di acciaio non contemplato
7	-3166	4	25								Tipo di acciaio non contemplato
8	-3160	8	23								Tipo di acciaio non contemplato

ASTA NUM. 210 NI 716 NF 708 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-326	-251	239	0	50	62								Tipo di acciaio non contemplato
1B	0	-326	175	239	0	50	-46								Tipo di acciaio non contemplato
1C	0	-326	-251	-265	0	-59	62								Tipo di acciaio non contemplato
1D	0	-326	175	-265	0	-59	-46								Tipo di acciaio non contemplato
1E	0	177	-251	239	0	50	62								Tipo di acciaio non contemplato
1F	0	177	175	239	0	50	-46								Tipo di acciaio non contemplato
1G	0	177	-251	-265	0	-59	62								Tipo di acciaio non contemplato
1H	0	177	175	-265	0	-59	-46								Tipo di acciaio non contemplato
1I	0	-617	-166	183	0	37	40								Tipo di acciaio non contemplato
1J	0	-617	90	183	0	37	-25								Tipo di acciaio non contemplato
1K	0	-617	-166	-209	0	-46	40								Tipo di acciaio non contemplato
1L	0	-617	90	-209	0	-46	-25								Tipo di acciaio non contemplato
1M	0	468	-166	183	0	37	40								Tipo di acciaio non contemplato
1N	0	468	90	183	0	37	-25								Tipo di acciaio non contemplato
1O	0	468	-166	-209	0	-46	40								Tipo di acciaio non contemplato
1P	0	468	90	-209	0	-46	-25								Tipo di acciaio non contemplato
2	0	164	-28	-37	0	-12	1								Tipo di acciaio non contemplato
7	0	185	-24	-7	0	-5	0								Tipo di acciaio non contemplato
8	0	100	-19	-38	0	-11	0								Tipo di acciaio non contemplato
1A	25	-326	-253	239	0	-10	0								Tipo di acciaio non contemplato
1B	25	-326	172	239	0	-10	-3								Tipo di acciaio non contemplato
1C	25	-326	-253	-265	0	8	0								Tipo di acciaio non contemplato
1D	25	-326	172	-265	0	8	-3								Tipo di acciaio non contemplato
1E	25	177	-253	239	0	-10	0								Tipo di acciaio non contemplato
1F	25	177	172	239	0	-10	-3								Tipo di acciaio non contemplato
1G	25	177	-253	-265	0	8	0								Tipo di acciaio non contemplato
1H	25	177	172	-265	0	8	-3								Tipo di acciaio non contemplato
1I	25	-617	-168	183	0	-9	-1								Tipo di acciaio non contemplato
1J	25	-617	87	183	0	-9	-3								Tipo di acciaio non contemplato
1K	25	-617	-168	-209	0	7	-1								Tipo di acciaio non contemplato
1L	25	-617	87	-209	0	7	-3								Tipo di acciaio non contemplato
1M	25	468	-168	183	0	-9	-1								Tipo di acciaio non contemplato
1N	25	468	87	183	0	-9	-3								Tipo di acciaio non contemplato
1O	25	468	-168	-209	0	7	-1								Tipo di acciaio non contemplato
1P	25	468	87	-209	0	7	-3								Tipo di acciaio non contemplato
2	25	164	-31	-37	0	-2	-6								Tipo di acciaio non contemplato
7	25	185	-26	-7	0	-3	-5								Tipo di acciaio non contemplato
8	25	100	-22	-38	0	-2	-5								Tipo di acciaio non contemplato
1A	50	-326	-255	239	0	-69	-64								Tipo di acciaio non contemplato
1B	50	-326	170	239	0	-69	40								Tipo di acciaio non contemplato
1C	50	-326	-255	-265	0	74	-64								Tipo di acciaio non contemplato
1D	50	-326	170	-265	0	74	40								Tipo di acciaio non contemplato
1E	50	177	-255	239	0	-69	-64								Tipo di acciaio non contemplato
1F	50	177	170	239	0	-69	40								Tipo di acciaio non contemplato
1G	50	177	-255	-265	0	74	-64								Tipo di acciaio non contemplato
1H	50	177	170	-265	0	74	40								Tipo di acciaio non contemplato
1I	50	-617	-170	183	0	-54	-44								Tipo di acciaio non contemplato
1J	50	-617	85	183	0	-54	19								Tipo di acciaio non contemplato
1K	50	-617	-170	-209	0	59	-44								Tipo di acciaio non contemplato
1L	50	-617	85	-209	0	59	19								Tipo di acciaio non contemplato
1M	50	468	-170	183	0	-54	-44								Tipo di acciaio non contemplato
1N	50	468	85	183	0	-54	19								Tipo di acciaio non contemplato
1O	50	468	-170	-209	0	59	-44								Tipo di acciaio non contemplato
1P	50	468	85	-209	0	59	19								Tipo di acciaio non contemplato
2	50	164	-34	-37	0	7	-15								Tipo di acciaio non contemplato
7	50	185	-29	-7	0	-1	-12								Tipo di acciaio non contemplato
8	50	100	-25	-38	0	8	-11								Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-326	28	26								Tipo di acciaio non contemplato
1B	-326	28	19								Tipo di acciaio non contemplato
1C	-326	30	26								Tipo di acciaio non contemplato
1D	-326	30	19								Tipo di acciaio non contemplato
1E	177	28	26								Tipo di acciaio non contemplato
1F	177	28	19								Tipo di acciaio non contemplato
1G	177	30	26								Tipo di acciaio non contemplato
1H	177	30	19								Tipo di acciaio non contemplato
1I	-617	22	17								Tipo di acciaio non contemplato
1J	-617	22	10								Tipo di acciaio non contemplato
1K	-617	24	17								Tipo di acciaio non contemplato
1L	-617	24	10								Tipo di acciaio non contemplato
1M	468	22	17								Tipo di acciaio non contemplato
1N	468	22	10								Tipo di acciaio non contemplato
1O	468	24	17								Tipo di acciaio non contemplato
1P	468	24	10								Tipo di acciaio non contemplato
2	164	5	8								Tipo di acciaio non contemplato
7	185	3	7								Tipo di acciaio non contemplato
8	100	5	7								Tipo di acciaio non contemplato

ASTA NUM. 211 NI 715 NF 707 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-172	-241	148	0	71	61								Tipo di acciaio non contemplato
1B	0	-172	241	148	0	71	-59								Tipo di acciaio non contemplato
1C	0	-172	-241	-213	0	-101	61								Tipo di acciaio non contemplato
1D	0	-172	241	-213	0	-101	-59								Tipo di acciaio non contemplato
1E	0	188	-241	148	0	71	61								Tipo di acciaio non contemplato
1F	0	188	241	148	0	71	-59								Tipo di acciaio non contemplato
1G	0	188	-241	-213	0	-101	61								Tipo di acciaio non contemplato
1H	0	188	241	-213	0	-101	-59								Tipo di acciaio non contemplato
1I	0	-119	-90	98	0	48	23								Tipo di acciaio non contemplato
1J	0	-119	90	98	0	48	-21								Tipo di acciaio non contemplato
1K	0	-119	-90	-163	0	-78	23								Tipo di acciaio non contemplato
1L	0	-119	90	-163	0	-78	-21								Tipo di acciaio non contemplato
1M	0	135	-90	98	0	48	23								Tipo di acciaio non contemplato
1N	0	135	90	98	0	48	-21								Tipo di acciaio non contemplato
1O	0	135	-90	-163	0	-78	23								Tipo di acciaio non contemplato
1P	0	135	90	-163	0	-78	-21								Tipo di acciaio non contemplato
2	0	-0	6	-89	0	-41	0								Tipo di acciaio non contemplato
7	0	-10	-2	-59	0	-27	2								Tipo di acciaio non contemplato
8	0	6	14	-81	0	-38	-2								Tipo di acciaio non contemplato
1A	25	-172	-243	148	0	35	0								Tipo di acciaio non contemplato
1B	25	-172	239	148	0	35	0								Tipo di acciaio non contemplato
1C	25	-172	-243	-213	0	-48	0								Tipo di acciaio non contemplato
1D	25	-172	239	-213	0	-48	0								Tipo di acciaio non contemplato
1E	25	188	-243	148	0	35	0								Tipo di acciaio non contemplato
1F	25	188	239	148	0	35	0								Tipo di acciaio non contemplato
1G	25	188	-243	-213	0	-48	0								Tipo di acciaio non contemplato
1H	25	188	239	-213	0	-48	0								Tipo di acciaio non contemplato
1I	25	-119	-92	98	0	23	0								Tipo di acciaio non contemplato
1J	25	-119	88	98	0	23	0								Tipo di acciaio non contemplato
1K	25	-119	-92	-163	0	-37	0								Tipo di acciaio non contemplato
1L	25	-119	88	-163	0	-37	0								Tipo di acciaio non contemplato
1M	25	135	-92	98	0	23	0								Tipo di acciaio non contemplato
1N	25	135	88	98	0	23	0								Tipo di acciaio non contemplato
1O	25	135	-92	-163	0	-37	0								Tipo di acciaio non contemplato
1P	25	135	88	-163	0	-37	0								Tipo di acciaio non contemplato
2	25	-0	3	-89	0	-19	1								Tipo di acciaio non contemplato
7	25	-10	-4	-59	0	-12	0								Tipo di acciaio non contemplato
8	25	6	11	-81	0	-17	0								Tipo di acciaio non contemplato
1A	50	-172	-246	148	0	-2	-61								Tipo di acciaio non contemplato
1B	50	-172	237	148	0	-2	60								Tipo di acciaio non contemplato
1C	50	-172	-246	-213	0	5	-61								Tipo di acciaio non contemplato
1D	50	-172	237	-213	0	5	60								Tipo di acciaio non contemplato
1E	50	188	-246	148	0	-2	-61								Tipo di acciaio non contemplato
1F	50	188	237	148	0	-2	60								Tipo di acciaio non contemplato
1G	50	188	-246	-213	0	5	-61								Tipo di acciaio non contemplato
1H	50	188	237	-213	0	5	60								Tipo di acciaio non contemplato
1I	50	-119	-95	98	0	-1	-23								Tipo di acciaio non contemplato
1J	50	-119	86	98	0	-1	23								Tipo di acciaio non contemplato
1K	50	-119	-95	-163	0	4	-23								Tipo di acciaio non contemplato
1L	50	-119	86	-163	0	4	23								Tipo di acciaio non contemplato
1M	50	135	-95	98	0	-1	-23								Tipo di acciaio non contemplato
1N	50	135	86	98	0	-1	23								Tipo di acciaio non contemplato
1O	50	135	-95	-163	0	4	-23								Tipo di acciaio non contemplato
1P	50	135	86	-163	0	4	23								Tipo di acciaio non contemplato
2	50	-0	0	-89	0	3	2								Tipo di acciaio non contemplato
7	50	-10	-7	-59	0	3	0								Tipo di acciaio non contemplato

8	50	6	8	-81	0	3	3		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m								kg/cmq	
1A	-172	42	24								Tipo di acciaio non contemplato
1B	-172	42	24								Tipo di acciaio non contemplato
1C	-172	59	24								Tipo di acciaio non contemplato
1D	-172	59	24								Tipo di acciaio non contemplato
1E	188	42	24								Tipo di acciaio non contemplato
1F	188	42	24								Tipo di acciaio non contemplato
1G	188	59	24								Tipo di acciaio non contemplato
1H	188	59	24								Tipo di acciaio non contemplato
1I	-119	28	9								Tipo di acciaio non contemplato
1J	-119	28	9								Tipo di acciaio non contemplato
1K	-119	45	9								Tipo di acciaio non contemplato
1L	-119	45	9								Tipo di acciaio non contemplato
1M	135	28	9								Tipo di acciaio non contemplato
1N	135	28	9								Tipo di acciaio non contemplato
1O	135	45	9								Tipo di acciaio non contemplato
1P	135	45	9								Tipo di acciaio non contemplato
2	-1	23	1								Tipo di acciaio non contemplato
7	-10	15	1								Tipo di acciaio non contemplato
8	6	21	1								Tipo di acciaio non contemplato

ASTA NUM. 212 NI 714 NF 706 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-135	-179	46	0	23	45								Tipo di acciaio non contemplato
1B	0	-135	196	46	0	23	-49								Tipo di acciaio non contemplato
1C	0	-135	-179	-73	0	-37	45								Tipo di acciaio non contemplato
1D	0	-135	196	-73	0	-37	-49								Tipo di acciaio non contemplato
1E	0	166	-179	46	0	23	45								Tipo di acciaio non contemplato
1F	0	166	196	46	0	23	-49								Tipo di acciaio non contemplato
1G	0	166	-179	-73	0	-37	45								Tipo di acciaio non contemplato
1H	0	166	196	-73	0	-37	-49								Tipo di acciaio non contemplato
1I	0	-48	-89	26	0	13	23								Tipo di acciaio non contemplato
1J	0	-48	106	26	0	13	-26								Tipo di acciaio non contemplato
1K	0	-48	-89	-53	0	-27	23								Tipo di acciaio non contemplato
1L	0	-48	106	-53	0	-27	-26								Tipo di acciaio non contemplato
1M	0	79	-89	26	0	13	23								Tipo di acciaio non contemplato
1N	0	79	106	26	0	13	-26								Tipo di acciaio non contemplato
1O	0	79	-89	-53	0	-27	23								Tipo di acciaio non contemplato
1P	0	79	106	-53	0	-27	-26								Tipo di acciaio non contemplato
2	0	129	-14	-38	0	-19	4								Tipo di acciaio non contemplato
7	0	95	-16	-28	0	-14	5								Tipo di acciaio non contemplato
8	0	125	-8	-35	0	-17	2								Tipo di acciaio non contemplato
1A	25	-135	-181	46	0	12	0								Tipo di acciaio non contemplato
1B	25	-135	193	46	0	12	0								Tipo di acciaio non contemplato
1C	25	-135	-181	-73	0	-19	0								Tipo di acciaio non contemplato
1D	25	-135	193	-73	0	-19	0								Tipo di acciaio non contemplato
1E	25	166	-181	46	0	12	0								Tipo di acciaio non contemplato
1F	25	166	193	46	0	12	0								Tipo di acciaio non contemplato
1G	25	166	-181	-73	0	-19	0								Tipo di acciaio non contemplato
1H	25	166	193	-73	0	-19	0								Tipo di acciaio non contemplato
1I	25	-48	-91	26	0	7	0								Tipo di acciaio non contemplato
1J	25	-48	103	26	0	7	0								Tipo di acciaio non contemplato
1K	25	-48	-91	-53	0	-14	0								Tipo di acciaio non contemplato
1L	25	-48	103	-53	0	-14	0								Tipo di acciaio non contemplato
1M	25	79	-91	26	0	7	0								Tipo di acciaio non contemplato
1N	25	79	103	26	0	7	0								Tipo di acciaio non contemplato
1O	25	79	-91	-53	0	-14	0								Tipo di acciaio non contemplato
1P	25	79	103	-53	0	-14	0								Tipo di acciaio non contemplato
2	25	129	-17	-38	0	-10	0								Tipo di acciaio non contemplato
7	25	95	-19	-28	0	-7	0								Tipo di acciaio non contemplato
8	25	125	-11	-35	0	-9	0								Tipo di acciaio non contemplato
1A	50	-135	-183	46	0	0	-45								Tipo di acciaio non contemplato
1B	50	-135	191	46	0	0	48								Tipo di acciaio non contemplato
1C	50	-135	-183	-73	0	0	-45								Tipo di acciaio non contemplato
1D	50	-135	191	-73	0	0	48								Tipo di acciaio non contemplato
1E	50	166	-183	46	0	0	-45								Tipo di acciaio non contemplato
1F	50	166	191	46	0	0	48								Tipo di acciaio non contemplato
1G	50	166	-183	-73	0	0	-45								Tipo di acciaio non contemplato
1H	50	166	191	-73	0	0	48								Tipo di acciaio non contemplato
1I	50	-48	-93	26	0	0	-23								Tipo di acciaio non contemplato
1J	50	-48	101	26	0	0	26								Tipo di acciaio non contemplato
1K	50	-48	-93	-53	0	0	-23								Tipo di acciaio non contemplato
1L	50	-48	101	-53	0	0	26								Tipo di acciaio non contemplato
1M	50	79	-93	26	0	0	-23								Tipo di acciaio non contemplato
1N	50	79	101	26	0	0	26								Tipo di acciaio non contemplato
1O	50	79	-93	-53	0	0	-23								Tipo di acciaio non contemplato
1P	50	79	101	-53	0	0	26								Tipo di acciaio non contemplato

2	50	129	-20	-38	0	0	-5	Tipo di acciaio non contemplato
7	50	95	-22	-28	0	0	-5	Tipo di acciaio non contemplato
8	50	125	-14	-35	0	0	-3	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-135	14	18								Tipo di acciaio non contemplato
1B	-135	14	19								Tipo di acciaio non contemplato
1C	-135	22	18								Tipo di acciaio non contemplato
1D	-135	22	19								Tipo di acciaio non contemplato
1E	166	14	18								Tipo di acciaio non contemplato
1F	166	14	19								Tipo di acciaio non contemplato
1G	166	22	18								Tipo di acciaio non contemplato
1H	166	22	19								Tipo di acciaio non contemplato
1I	-48	8	9								Tipo di acciaio non contemplato
1J	-48	8	10								Tipo di acciaio non contemplato
1K	-48	16	9								Tipo di acciaio non contemplato
1L	-48	16	10								Tipo di acciaio non contemplato
1M	79	8	9								Tipo di acciaio non contemplato
1N	79	8	10								Tipo di acciaio non contemplato
1O	79	16	9								Tipo di acciaio non contemplato
1P	79	16	10								Tipo di acciaio non contemplato
2	129	11	2								Tipo di acciaio non contemplato
7	95	8	2								Tipo di acciaio non contemplato
8	125	10	1								Tipo di acciaio non contemplato

ASTA NUM. 213 NI 713 NF 705 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-235	-220	57	0	29	55								Tipo di acciaio non contemplato
1B	0	-235	239	57	0	29	-60								Tipo di acciaio non contemplato
1C	0	-235	-220	-91	0	-45	55								Tipo di acciaio non contemplato
1D	0	-235	239	-91	0	-45	-60								Tipo di acciaio non contemplato
1E	0	283	-220	57	0	29	55								Tipo di acciaio non contemplato
1F	0	283	239	57	0	29	-60								Tipo di acciaio non contemplato
1G	0	283	-220	-91	0	-45	55								Tipo di acciaio non contemplato
1H	0	283	239	-91	0	-45	-60								Tipo di acciaio non contemplato
1I	0	-92	-104	27	0	14	26								Tipo di acciaio non contemplato
1J	0	-92	123	27	0	14	-31								Tipo di acciaio non contemplato
1K	0	-92	-104	-60	0	-30	26								Tipo di acciaio non contemplato
1L	0	-92	123	-60	0	-30	-31								Tipo di acciaio non contemplato
1M	0	140	-104	27	0	14	26								Tipo di acciaio non contemplato
1N	0	140	123	27	0	14	-31								Tipo di acciaio non contemplato
1O	0	140	-104	-60	0	-30	26								Tipo di acciaio non contemplato
1P	0	140	123	-60	0	-30	-31								Tipo di acciaio non contemplato
2	0	52	-47	-51	0	-26	12								Tipo di acciaio non contemplato
7	0	42	-38	-38	0	-19	10								Tipo di acciaio non contemplato
8	0	48	-41	-45	0	-23	11								Tipo di acciaio non contemplato
1A	25	-235	-222	57	0	15	0								Tipo di acciaio non contemplato
1B	25	-235	237	57	0	15	0								Tipo di acciaio non contemplato
1C	25	-235	-222	-91	0	-23	0								Tipo di acciaio non contemplato
1D	25	-235	237	-91	0	-23	0								Tipo di acciaio non contemplato
1E	25	283	-222	57	0	15	0								Tipo di acciaio non contemplato
1F	25	283	237	57	0	15	0								Tipo di acciaio non contemplato
1G	25	283	-222	-91	0	-23	0								Tipo di acciaio non contemplato
1H	25	283	237	-91	0	-23	0								Tipo di acciaio non contemplato
1I	25	-92	-106	27	0	7	0								Tipo di acciaio non contemplato
1J	25	-92	121	27	0	7	0								Tipo di acciaio non contemplato
1K	25	-92	-106	-60	0	-15	0								Tipo di acciaio non contemplato
1L	25	-92	121	-60	0	-15	0								Tipo di acciaio non contemplato
1M	25	140	-106	27	0	7	0								Tipo di acciaio non contemplato
1N	25	140	121	27	0	7	0								Tipo di acciaio non contemplato
1O	25	140	-106	-60	0	-15	0								Tipo di acciaio non contemplato
1P	25	140	121	-60	0	-15	0								Tipo di acciaio non contemplato
2	25	52	-50	-51	0	-13	0								Tipo di acciaio non contemplato
7	25	42	-41	-38	0	-9	0								Tipo di acciaio non contemplato
8	25	48	-44	-45	0	-11	0								Tipo di acciaio non contemplato
1A	50	-235	-224	57	0	0	-56								Tipo di acciaio non contemplato
1B	50	-235	235	57	0	0	59								Tipo di acciaio non contemplato
1C	50	-235	-224	-91	0	0	-56								Tipo di acciaio non contemplato
1D	50	-235	235	-91	0	0	59								Tipo di acciaio non contemplato
1E	50	283	-224	57	0	0	-56								Tipo di acciaio non contemplato
1F	50	283	235	57	0	0	59								Tipo di acciaio non contemplato
1G	50	283	-224	-91	0	0	-56								Tipo di acciaio non contemplato
1H	50	283	235	-91	0	0	59								Tipo di acciaio non contemplato
1I	50	-92	-108	27	0	0	-27								Tipo di acciaio non contemplato
1J	50	-92	119	27	0	0	30								Tipo di acciaio non contemplato
1K	50	-92	-108	-60	0	0	-27								Tipo di acciaio non contemplato
1L	50	-92	119	-60	0	0	30								Tipo di acciaio non contemplato
1M	50	140	-108	27	0	0	-27								Tipo di acciaio non contemplato
1N	50	140	119	27	0	0	30								Tipo di acciaio non contemplato

1O	50	140	-108	-60	0	0	-27		Tipo di acciaio non contemplato
1P	50	140	119	-60	0	0	30		Tipo di acciaio non contemplato
2	50	52	-52	-51	0	0	-13		Tipo di acciaio non contemplato
7	50	42	-44	-38	0	0	-11		Tipo di acciaio non contemplato
8	50	48	-47	-45	0	0	-11		Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-235	17	22								Tipo di acciaio non contemplato
1B	-235	17	24								Tipo di acciaio non contemplato
1C	-235	27	22								Tipo di acciaio non contemplato
1D	-235	27	24								Tipo di acciaio non contemplato
1E	283	17	22								Tipo di acciaio non contemplato
1F	283	17	24								Tipo di acciaio non contemplato
1G	283	27	22								Tipo di acciaio non contemplato
1H	283	27	24								Tipo di acciaio non contemplato
1I	-92	8	11								Tipo di acciaio non contemplato
1J	-92	8	12								Tipo di acciaio non contemplato
1K	-92	18	11								Tipo di acciaio non contemplato
1L	-92	18	12								Tipo di acciaio non contemplato
1M	140	8	11								Tipo di acciaio non contemplato
1N	140	8	12								Tipo di acciaio non contemplato
1O	140	18	11								Tipo di acciaio non contemplato
1P	140	18	12								Tipo di acciaio non contemplato
2	52	15	5								Tipo di acciaio non contemplato
7	42	11	4								Tipo di acciaio non contemplato
8	48	14	5								Tipo di acciaio non contemplato

ASTA NUM. 214 NI 712 NF 704 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-274	-160	14	0	8	40								Tipo di acciaio non contemplato
1B	0	-274	187	14	0	8	-46								Tipo di acciaio non contemplato
1C	0	-274	-160	-22	0	-12	40								Tipo di acciaio non contemplato
1D	0	-274	187	-22	0	-12	-46								Tipo di acciaio non contemplato
1E	0	315	-160	14	0	8	40								Tipo di acciaio non contemplato
1F	0	315	187	14	0	8	-46								Tipo di acciaio non contemplato
1G	0	315	-160	-22	0	-12	40								Tipo di acciaio non contemplato
1H	0	315	187	-22	0	-12	-46								Tipo di acciaio non contemplato
1I	0	-104	-94	5	0	2	24								Tipo di acciaio non contemplato
1J	0	-104	122	5	0	2	-30								Tipo di acciaio non contemplato
1K	0	-104	-94	-12	0	-7	24								Tipo di acciaio non contemplato
1L	0	-104	122	-12	0	-7	-30								Tipo di acciaio non contemplato
1M	0	144	-94	5	0	2	24								Tipo di acciaio non contemplato
1N	0	144	122	5	0	2	-30								Tipo di acciaio non contemplato
1O	0	144	-94	-12	0	-7	24								Tipo di acciaio non contemplato
1P	0	144	122	-12	0	-7	-30								Tipo di acciaio non contemplato
2	0	130	-77	-12	0	-7	20								Tipo di acciaio non contemplato
7	0	96	-60	-9	0	-5	15								Tipo di acciaio non contemplato
8	0	128	-72	-11	0	-6	19								Tipo di acciaio non contemplato
1A	25	-274	-162	14	0	4	0								Tipo di acciaio non contemplato
1B	25	-274	185	14	0	4	0								Tipo di acciaio non contemplato
1C	25	-274	-162	-22	0	-6	0								Tipo di acciaio non contemplato
1D	25	-274	185	-22	0	-6	0								Tipo di acciaio non contemplato
1E	25	315	-162	14	0	4	0								Tipo di acciaio non contemplato
1F	25	315	185	14	0	4	0								Tipo di acciaio non contemplato
1G	25	315	-162	-22	0	-6	0								Tipo di acciaio non contemplato
1H	25	315	185	-22	0	-6	0								Tipo di acciaio non contemplato
1I	25	-104	-97	5	0	1	0								Tipo di acciaio non contemplato
1J	25	-104	119	5	0	1	0								Tipo di acciaio non contemplato
1K	25	-104	-97	-12	0	-4	0								Tipo di acciaio non contemplato
1L	25	-104	119	-12	0	-4	0								Tipo di acciaio non contemplato
1M	25	144	-97	5	0	1	0								Tipo di acciaio non contemplato
1N	25	144	119	5	0	1	0								Tipo di acciaio non contemplato
1O	25	144	-97	-12	0	-4	0								Tipo di acciaio non contemplato
1P	25	144	119	-12	0	-4	0								Tipo di acciaio non contemplato
2	25	130	-80	-12	0	-4	0								Tipo di acciaio non contemplato
7	25	96	-63	-9	0	-3	0								Tipo di acciaio non contemplato
8	25	128	-75	-11	0	-3	0								Tipo di acciaio non contemplato
1A	50	-274	-165	14	0	0	-41								Tipo di acciaio non contemplato
1B	50	-274	183	14	0	0	46								Tipo di acciaio non contemplato
1C	50	-274	-165	-22	0	0	-41								Tipo di acciaio non contemplato
1D	50	-274	183	-22	0	0	46								Tipo di acciaio non contemplato
1E	50	315	-165	14	0	0	-41								Tipo di acciaio non contemplato
1F	50	315	183	14	0	0	46								Tipo di acciaio non contemplato
1G	50	315	-165	-22	0	0	-41								Tipo di acciaio non contemplato
1H	50	315	183	-22	0	0	46								Tipo di acciaio non contemplato
1I	50	-104	-99	5	0	0	-24								Tipo di acciaio non contemplato
1J	50	-104	117	5	0	0	30								Tipo di acciaio non contemplato
1K	50	-104	-99	-12	0	0	-24								Tipo di acciaio non contemplato
1L	50	-104	117	-12	0	0	30								Tipo di acciaio non contemplato

1M	50	144	-99	5	0	0	-24	Tipo di acciaio non contemplato
1N	50	144	117	5	0	0	30	Tipo di acciaio non contemplato
1O	50	144	-99	-12	0	0	-24	Tipo di acciaio non contemplato
1P	50	144	117	-12	0	0	30	Tipo di acciaio non contemplato
2	50	130	-83	-12	0	0	-20	Tipo di acciaio non contemplato
7	50	96	-66	-9	0	0	-16	Tipo di acciaio non contemplato
8	50	128	-78	-11	0	0	-19	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-274	5	16								Tipo di acciaio non contemplato
1B	-274	5	19								Tipo di acciaio non contemplato
1C	-274	7	16								Tipo di acciaio non contemplato
1D	-274	7	19								Tipo di acciaio non contemplato
1E	315	5	16								Tipo di acciaio non contemplato
1F	315	5	19								Tipo di acciaio non contemplato
1G	315	7	16								Tipo di acciaio non contemplato
1H	315	7	19								Tipo di acciaio non contemplato
1I	-104	2	10								Tipo di acciaio non contemplato
1J	-104	2	12								Tipo di acciaio non contemplato
1K	-104	4	10								Tipo di acciaio non contemplato
1L	-104	4	12								Tipo di acciaio non contemplato
1M	144	2	10								Tipo di acciaio non contemplato
1N	144	2	12								Tipo di acciaio non contemplato
1O	144	4	10								Tipo di acciaio non contemplato
1P	144	4	12								Tipo di acciaio non contemplato
2	130	4	8								Tipo di acciaio non contemplato
7	96	3	6								Tipo di acciaio non contemplato
8	128	4	8								Tipo di acciaio non contemplato

ASTA NUM. 215 NI 711 NF 703 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-356	-210	24	0	12	53								Tipo di acciaio non contemplato
1B	0	-356	235	24	0	12	-59								Tipo di acciaio non contemplato
1C	0	-356	-210	-31	0	-16	53								Tipo di acciaio non contemplato
1D	0	-356	235	-31	0	-16	-59								Tipo di acciaio non contemplato
1E	0	410	-210	24	0	12	53								Tipo di acciaio non contemplato
1F	0	410	235	24	0	12	-59								Tipo di acciaio non contemplato
1G	0	410	-210	-31	0	-16	53								Tipo di acciaio non contemplato
1H	0	410	235	-31	0	-16	-59								Tipo di acciaio non contemplato
1I	0	-136	-108	8	0	4	28								Tipo di acciaio non contemplato
1J	0	-136	133	8	0	4	-33								Tipo di acciaio non contemplato
1K	0	-136	-108	-14	0	-7	28								Tipo di acciaio non contemplato
1L	0	-136	133	-14	0	-7	-33								Tipo di acciaio non contemplato
1M	0	189	-108	8	0	4	28								Tipo di acciaio non contemplato
1N	0	189	133	8	0	4	-33								Tipo di acciaio non contemplato
1O	0	189	-108	-14	0	-7	28								Tipo di acciaio non contemplato
1P	0	189	133	-14	0	-7	-33								Tipo di acciaio non contemplato
2	0	46	-116	-11	0	-6	29								Tipo di acciaio non contemplato
7	0	38	-87	-9	0	-5	22								Tipo di acciaio non contemplato
8	0	43	-112	-10	0	-5	28								Tipo di acciaio non contemplato
1A	25	-356	-213	24	0	6	0								Tipo di acciaio non contemplato
1B	25	-356	233	24	0	6	0								Tipo di acciaio non contemplato
1C	25	-356	-213	-31	0	-8	0								Tipo di acciaio non contemplato
1D	25	-356	233	-31	0	-8	0								Tipo di acciaio non contemplato
1E	25	410	-213	24	0	6	0								Tipo di acciaio non contemplato
1F	25	410	233	24	0	6	0								Tipo di acciaio non contemplato
1G	25	410	-213	-31	0	-8	0								Tipo di acciaio non contemplato
1H	25	410	233	-31	0	-8	0								Tipo di acciaio non contemplato
1I	25	-136	-110	8	0	2	0								Tipo di acciaio non contemplato
1J	25	-136	131	8	0	2	0								Tipo di acciaio non contemplato
1K	25	-136	-110	-14	0	-4	0								Tipo di acciaio non contemplato
1L	25	-136	131	-14	0	-4	0								Tipo di acciaio non contemplato
1M	25	189	-110	8	0	2	0								Tipo di acciaio non contemplato
1N	25	189	131	8	0	2	0								Tipo di acciaio non contemplato
1O	25	189	-110	-14	0	-4	0								Tipo di acciaio non contemplato
1P	25	189	131	-14	0	-4	0								Tipo di acciaio non contemplato
2	25	46	-119	-11	0	-3	0								Tipo di acciaio non contemplato
7	25	38	-89	-9	0	-3	0								Tipo di acciaio non contemplato
8	25	43	-115	-10	0	-3	0								Tipo di acciaio non contemplato
1A	50	-356	-215	24	0	0	-53								Tipo di acciaio non contemplato
1B	50	-356	231	24	0	0	58								Tipo di acciaio non contemplato
1C	50	-356	-215	-31	0	0	-53								Tipo di acciaio non contemplato
1D	50	-356	231	-31	0	0	58								Tipo di acciaio non contemplato
1E	50	410	-215	24	0	0	-53								Tipo di acciaio non contemplato
1F	50	410	231	24	0	0	58								Tipo di acciaio non contemplato
1G	50	410	-215	-31	0	0	-53								Tipo di acciaio non contemplato
1H	50	410	231	-31	0	0	58								Tipo di acciaio non contemplato
1I	50	-136	-113	8	0	0	-28								Tipo di acciaio non contemplato
1J	50	-136	129	8	0	0	32								Tipo di acciaio non contemplato

1K	50	-136	-113	-14	0	0	-28	Tipo di acciaio non contemplato
1L	50	-136	129	-14	0	0	32	Tipo di acciaio non contemplato
1M	50	189	-113	8	0	0	-28	Tipo di acciaio non contemplato
1N	50	189	129	8	0	0	32	Tipo di acciaio non contemplato
1O	50	189	-113	-14	0	0	-28	Tipo di acciaio non contemplato
1P	50	189	129	-14	0	0	32	Tipo di acciaio non contemplato
2	50	46	-122	-11	0	0	-30	Tipo di acciaio non contemplato
7	50	38	-92	-9	0	0	-23	Tipo di acciaio non contemplato
8	50	43	-118	-10	0	0	-29	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-356	7	21								Tipo di acciaio non contemplato
1B	-356	7	23								Tipo di acciaio non contemplato
1C	-356	10	21								Tipo di acciaio non contemplato
1D	-356	10	23								Tipo di acciaio non contemplato
1E	410	7	21								Tipo di acciaio non contemplato
1F	410	7	23								Tipo di acciaio non contemplato
1G	410	10	21								Tipo di acciaio non contemplato
1H	410	10	23								Tipo di acciaio non contemplato
1I	-136	2	11								Tipo di acciaio non contemplato
1J	-136	2	13								Tipo di acciaio non contemplato
1K	-136	4	11								Tipo di acciaio non contemplato
1L	-136	4	13								Tipo di acciaio non contemplato
1M	189	2	11								Tipo di acciaio non contemplato
1N	189	2	13								Tipo di acciaio non contemplato
1O	189	4	11								Tipo di acciaio non contemplato
1P	189	4	13								Tipo di acciaio non contemplato
2	46	4	12								Tipo di acciaio non contemplato
7	38	3	9								Tipo di acciaio non contemplato
8	43	3	12								Tipo di acciaio non contemplato

ASTA NUM. 216 NI 710 NF 702 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-430	-156	9	0	4	40								Tipo di acciaio non contemplato
1B	0	-430	186	9	0	4	-46								Tipo di acciaio non contemplato
1C	0	-430	-156	-9	0	-5	40								Tipo di acciaio non contemplato
1D	0	-430	186	-9	0	-5	-46								Tipo di acciaio non contemplato
1E	0	490	-156	9	0	4	40								Tipo di acciaio non contemplato
1F	0	490	186	9	0	4	-46								Tipo di acciaio non contemplato
1G	0	490	-156	-9	0	-5	40								Tipo di acciaio non contemplato
1H	0	490	186	-9	0	-5	-46								Tipo di acciaio non contemplato
1I	0	-163	-99	4	0	2	25								Tipo di acciaio non contemplato
1J	0	-163	129	4	0	2	-32								Tipo di acciaio non contemplato
1K	0	-163	-99	-5	0	-2	25								Tipo di acciaio non contemplato
1L	0	-163	129	-5	0	-2	-32								Tipo di acciaio non contemplato
1M	0	223	-99	4	0	2	25								Tipo di acciaio non contemplato
1N	0	223	129	4	0	2	-32								Tipo di acciaio non contemplato
1O	0	223	-99	-5	0	-2	25								Tipo di acciaio non contemplato
1P	0	223	129	-5	0	-2	-32								Tipo di acciaio non contemplato
2	0	154	-154	0	0	0	39								Tipo di acciaio non contemplato
7	0	114	-114	0	0	0	29								Tipo di acciaio non contemplato
8	0	152	-150	0	0	0	38								Tipo di acciaio non contemplato
1A	25	-430	-159	9	0	2	0								Tipo di acciaio non contemplato
1B	25	-430	184	9	0	2	0								Tipo di acciaio non contemplato
1C	25	-430	-159	-9	0	-2	0								Tipo di acciaio non contemplato
1D	25	-430	184	-9	0	-2	0								Tipo di acciaio non contemplato
1E	25	490	-159	9	0	2	0								Tipo di acciaio non contemplato
1F	25	490	184	9	0	2	0								Tipo di acciaio non contemplato
1G	25	490	-159	-9	0	-2	0								Tipo di acciaio non contemplato
1H	25	490	184	-9	0	-2	0								Tipo di acciaio non contemplato
1I	25	-163	-101	4	0	1	0								Tipo di acciaio non contemplato
1J	25	-163	126	4	0	1	0								Tipo di acciaio non contemplato
1K	25	-163	-101	-5	0	-1	0								Tipo di acciaio non contemplato
1L	25	-163	126	-5	0	-1	0								Tipo di acciaio non contemplato
1M	25	223	-101	4	0	1	0								Tipo di acciaio non contemplato
1N	25	223	126	4	0	1	0								Tipo di acciaio non contemplato
1O	25	223	-101	-5	0	-1	0								Tipo di acciaio non contemplato
1P	25	223	126	-5	0	-1	0								Tipo di acciaio non contemplato
2	25	154	-157	0	0	0	0								Tipo di acciaio non contemplato
7	25	114	-116	0	0	0	0								Tipo di acciaio non contemplato
8	25	152	-152	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-430	-161	9	0	0	-40								Tipo di acciaio non contemplato
1B	50	-430	182	9	0	0	46								Tipo di acciaio non contemplato
1C	50	-430	-161	-9	0	0	-40								Tipo di acciaio non contemplato
1D	50	-430	182	-9	0	0	46								Tipo di acciaio non contemplato
1E	50	490	-161	9	0	0	-40								Tipo di acciaio non contemplato
1F	50	490	182	9	0	0	46								Tipo di acciaio non contemplato
1G	50	490	-161	-9	0	0	-40								Tipo di acciaio non contemplato
1H	50	490	182	-9	0	0	46								Tipo di acciaio non contemplato

1I	50	-163	-103	4	0	0	-26	Tipo di acciaio non contemplato
1J	50	-163	124	4	0	0	31	Tipo di acciaio non contemplato
1K	50	-163	-103	-5	0	0	-26	Tipo di acciaio non contemplato
1L	50	-163	124	-5	0	0	31	Tipo di acciaio non contemplato
1M	50	223	-103	4	0	0	-26	Tipo di acciaio non contemplato
1N	50	223	124	4	0	0	31	Tipo di acciaio non contemplato
1O	50	223	-103	-5	0	0	-26	Tipo di acciaio non contemplato
1P	50	223	124	-5	0	0	31	Tipo di acciaio non contemplato
2	50	154	-160	0	0	0	-40	Tipo di acciaio non contemplato
7	50	114	-119	0	0	0	-29	Tipo di acciaio non contemplato
8	50	152	-155	0	0	0	-38	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-430	3	16								Tipo di acciaio non contemplato
1B	-430	3	18								Tipo di acciaio non contemplato
1C	-430	3	16								Tipo di acciaio non contemplato
1D	-430	3	18								Tipo di acciaio non contemplato
1E	490	3	16								Tipo di acciaio non contemplato
1F	490	3	18								Tipo di acciaio non contemplato
1G	490	3	16								Tipo di acciaio non contemplato
1H	490	3	18								Tipo di acciaio non contemplato
1I	-163	1	10								Tipo di acciaio non contemplato
1J	-163	1	13								Tipo di acciaio non contemplato
1K	-163	2	10								Tipo di acciaio non contemplato
1L	-163	2	13								Tipo di acciaio non contemplato
1M	223	1	10								Tipo di acciaio non contemplato
1N	223	1	13								Tipo di acciaio non contemplato
1O	223	2	10								Tipo di acciaio non contemplato
1P	223	2	13								Tipo di acciaio non contemplato
2	154	0	16								Tipo di acciaio non contemplato
7	114	0	12								Tipo di acciaio non contemplato
8	152	0	15								Tipo di acciaio non contemplato

ASTA NUM. 217 NI 709 NF 701 Lungh. 50.0 cm SEZ. 2 Pf QUADRATI 100x 3.0

categoria: p.p. y qy tot.
qy medio: 0.0887 0.0887 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Tens.max	Loc.	Nota
	cm	kg			kg*m			kg/cmq							
1A	0	-439	-234	17	0	8	58								Tipo di acciaio non contemplato
1B	0	-439	259	17	0	8	-64								Tipo di acciaio non contemplato
1C	0	-439	-234	-16	0	-8	58								Tipo di acciaio non contemplato
1D	0	-439	259	-16	0	-8	-64								Tipo di acciaio non contemplato
1E	0	509	-234	17	0	8	58								Tipo di acciaio non contemplato
1F	0	509	259	17	0	8	-64								Tipo di acciaio non contemplato
1G	0	509	-234	-16	0	-8	58								Tipo di acciaio non contemplato
1H	0	509	259	-16	0	-8	-64								Tipo di acciaio non contemplato
1I	0	-214	-130	8	0	4	33								Tipo di acciaio non contemplato
1J	0	-214	156	8	0	4	-39								Tipo di acciaio non contemplato
1K	0	-214	-130	-7	0	-4	33								Tipo di acciaio non contemplato
1L	0	-214	156	-7	0	-4	-39								Tipo di acciaio non contemplato
1M	0	283	-130	8	0	4	33								Tipo di acciaio non contemplato
1N	0	283	156	8	0	4	-39								Tipo di acciaio non contemplato
1O	0	283	-130	-7	0	-4	33								Tipo di acciaio non contemplato
1P	0	283	156	-7	0	-4	-39								Tipo di acciaio non contemplato
2	0	-45	-221	0	0	0	56								Tipo di acciaio non contemplato
7	0	-34	-163	0	0	0	41								Tipo di acciaio non contemplato
8	0	-40	-215	0	0	0	54								Tipo di acciaio non contemplato
1A	25	-439	-236	17	0	4	0								Tipo di acciaio non contemplato
1B	25	-439	257	17	0	4	0								Tipo di acciaio non contemplato
1C	25	-439	-236	-16	0	-4	0								Tipo di acciaio non contemplato
1D	25	-439	257	-16	0	-4	0								Tipo di acciaio non contemplato
1E	25	509	-236	17	0	4	0								Tipo di acciaio non contemplato
1F	25	509	257	17	0	4	0								Tipo di acciaio non contemplato
1G	25	509	-236	-16	0	-4	0								Tipo di acciaio non contemplato
1H	25	509	257	-16	0	-4	0								Tipo di acciaio non contemplato
1I	25	-214	-133	8	0	2	0								Tipo di acciaio non contemplato
1J	25	-214	154	8	0	2	0								Tipo di acciaio non contemplato
1K	25	-214	-133	-7	0	-2	0								Tipo di acciaio non contemplato
1L	25	-214	154	-7	0	-2	0								Tipo di acciaio non contemplato
1M	25	283	-133	8	0	2	0								Tipo di acciaio non contemplato
1N	25	283	154	8	0	2	0								Tipo di acciaio non contemplato
1O	25	283	-133	-7	0	-2	0								Tipo di acciaio non contemplato
1P	25	283	154	-7	0	-2	0								Tipo di acciaio non contemplato
2	25	-45	-224	0	0	0	0								Tipo di acciaio non contemplato
7	25	-34	-166	0	0	0	0								Tipo di acciaio non contemplato
8	25	-40	-218	0	0	0	0								Tipo di acciaio non contemplato
1A	50	-439	-238	17	0	0	-59								Tipo di acciaio non contemplato
1B	50	-439	255	17	0	0	64								Tipo di acciaio non contemplato
1C	50	-439	-238	-16	0	0	-59								Tipo di acciaio non contemplato
1D	50	-439	255	-16	0	0	64								Tipo di acciaio non contemplato
1E	50	509	-238	17	0	0	-59								Tipo di acciaio non contemplato
1F	50	509	255	17	0	0	64								Tipo di acciaio non contemplato

1G	50	509	-238	-16	0	0	-59	Tipo di acciaio non contemplato
1H	50	509	255	-16	0	0	64	Tipo di acciaio non contemplato
1I	50	-214	-135	8	0	0	-33	Tipo di acciaio non contemplato
1J	50	-214	152	8	0	0	38	Tipo di acciaio non contemplato
1K	50	-214	-135	-7	0	0	-33	Tipo di acciaio non contemplato
1L	50	-214	152	-7	0	0	38	Tipo di acciaio non contemplato
1M	50	283	-135	8	0	0	-33	Tipo di acciaio non contemplato
1N	50	283	152	8	0	0	38	Tipo di acciaio non contemplato
1O	50	283	-135	-7	0	0	-33	Tipo di acciaio non contemplato
1P	50	283	152	-7	0	0	38	Tipo di acciaio non contemplato
2	50	-45	-227	0	0	0	-56	Tipo di acciaio non contemplato
7	50	-34	-168	0	0	0	-42	Tipo di acciaio non contemplato
8	50	-40	-221	0	0	0	-55	Tipo di acciaio non contemplato

Verifica di STABILITA'

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	Q	OMEGA	Sf	Tens.max	Nota
	kg	kg*m							kg/cmq		
1A	-439	5	24								Tipo di acciaio non contemplato
1B	-439	5	26								Tipo di acciaio non contemplato
1C	-439	4	24								Tipo di acciaio non contemplato
1D	-439	4	26								Tipo di acciaio non contemplato
1E	509	5	24								Tipo di acciaio non contemplato
1F	509	5	26								Tipo di acciaio non contemplato
1G	509	4	24								Tipo di acciaio non contemplato
1H	509	4	26								Tipo di acciaio non contemplato
1I	-214	3	13								Tipo di acciaio non contemplato
1J	-214	3	15								Tipo di acciaio non contemplato
1K	-214	2	13								Tipo di acciaio non contemplato
1L	-214	2	15								Tipo di acciaio non contemplato
1M	283	3	13								Tipo di acciaio non contemplato
1N	283	3	15								Tipo di acciaio non contemplato
1O	283	2	13								Tipo di acciaio non contemplato
1P	283	2	15								Tipo di acciaio non contemplato
2	-45	1	23								Tipo di acciaio non contemplato
7	-34	0	17								Tipo di acciaio non contemplato
8	-40	0	22								Tipo di acciaio non contemplato

ASTA NUM. 218 NI 717 NF 718 Lungh. 50.0 cm SEZ. 6 Ps HEA 200

categoria: p.p. y qy tot.
qy medio: 0.4223 0.4223 kg/cm

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-273	-734	200	0	69	230	5.1	111.1	62.3	0.0	116.2	1	
1B	0	-273	703	200	0	69	-174	5.1	96.7	59.6	0.0	103.5	4	
1C	0	-273	-734	-160	0	-57	230	5.1	102.1	62.3	0.0	112.9	3	
1D	0	-273	703	-160	0	-57	-174	5.1	87.6	59.6	0.0	103.5	4	
1E	0	356	-734	200	0	69	230	6.6	111.1	62.3	0.0	117.7	1	
1F	0	356	703	200	0	69	-174	6.6	96.7	59.6	0.0	104.2	3	
1G	0	356	-734	-160	0	-57	230	6.6	102.1	62.3	0.0	113.7	3	
1H	0	356	703	-160	0	-57	-174	6.6	87.6	59.6	0.0	103.7	3	
1I	0	-297	-689	183	0	69	183	5.5	98.5	58.4	0.0	104.0	1	
1J	0	-297	658	183	0	69	-126	5.5	84.0	55.8	0.0	96.9	4	
1K	0	-297	-689	-143	0	-57	183	5.5	89.5	58.4	0.0	102.5	3	
1L	0	-297	658	-143	0	-57	-126	5.5	75.0	55.8	0.0	96.9	4	
1M	0	381	-689	183	0	69	183	7.1	98.5	58.4	0.0	105.6	1	
1N	0	381	658	183	0	69	-126	7.1	84.0	55.8	0.0	97.1	4	
1O	0	381	-689	-143	0	-57	183	7.1	89.5	58.4	0.0	103.2	3	
1P	0	381	658	-143	0	-57	-126	7.1	75.0	55.8	0.0	97.0	4	
2	0	-91	440	96	0	32	-14	1.7	27.6	37.3	0.0	64.7	4	
7	0	-94	387	97	0	33	-16	1.8	29.1	32.8	0.0	56.9	4	
8	0	-69	365	72	0	24	-11	1.3	20.5	30.9	0.0	53.6	4	
1A	25	-273	-745	200	0	19	45	5.1	26.1	63.1	0.0	109.5	4	
1B	25	-273	693	200	0	19	1	5.1	14.6	58.7	0.0	101.9	4	
1C	25	-273	-745	-160	0	-17	45	5.1	24.5	63.1	0.0	109.5	4	
1D	25	-273	693	-160	0	-17	1	5.1	13.0	58.7	0.0	101.9	4	
1E	25	356	-745	200	0	19	45	6.6	26.1	63.1	0.0	109.6	4	
1F	25	356	693	200	0	19	1	6.6	14.6	58.7	0.0	102.0	4	
1G	25	356	-745	-160	0	-17	45	6.6	24.5	63.1	0.0	109.6	4	
1H	25	356	693	-160	0	-17	1	6.6	13.0	58.7	0.0	102.0	4	
1I	25	-297	-700	183	0	23	9	5.5	19.3	59.3	0.0	103.0	4	
1J	25	-297	648	183	0	23	37	5.5	26.7	54.9	0.0	95.3	4	
1K	25	-297	-700	-143	0	-21	9	5.5	17.8	59.3	0.0	103.0	4	
1L	25	-297	648	-143	0	-21	37	5.5	25.1	54.9	0.0	95.3	4	
1M	25	381	-700	183	0	23	9	7.1	19.3	59.3	0.0	103.1	4	
1N	25	381	648	183	0	23	37	7.1	26.7	54.9	0.0	95.4	4	
1O	25	381	-700	-143	0	-21	9	7.1	17.8	59.3	0.0	103.1	4	
1P	25	381	648	-143	0	-21	37	7.1	25.1	54.9	0.0	95.4	4	
2	25	-91	426	96	0	8	95	1.7	30.6	36.2	0.0	62.7	4	
7	25	-94	373	97	0	9	79	1.8	27.1	31.6	0.0	54.8	4	
8	25	-69	351	72	0	6	79	1.3	24.5	29.8	0.0	51.6	4	
1A	50	-273	-755	200	0	-31	-143	5.1	59.7	64.0	0.0	111.1	4	
1B	50	-273	682	200	0	-31	173	5.1	67.5	57.8	0.0	100.5	3	
1C	50	-273	-755	-160	0	23	-143	5.1	53.8	64.0	0.0	111.1	4	
1D	50	-273	682	-160	0	23	173	5.1	61.6	57.8	0.0	100.3	4	

1E	50	356	-755	200	0	-31	-143	6.6	59.7	64.0	0.0	111.2	4
1F	50	356	682	200	0	-31	173	6.6	67.5	57.8	0.0	101.2	3
1G	50	356	-755	-160	0	23	-143	6.6	53.8	64.0	0.0	111.2	4
1H	50	356	682	-160	0	23	173	6.6	61.6	57.8	0.0	100.8	3
1I	50	-297	-710	183	0	-23	-168	5.5	60.5	60.2	0.0	104.5	4
1J	50	-297	637	183	0	-23	198	5.5	68.3	54.0	0.0	98.3	3
1K	50	-297	-710	-143	0	15	-168	5.5	54.6	60.2	0.0	104.5	4
1L	50	-297	637	-143	0	15	198	5.5	62.4	54.0	0.0	98.0	3
1M	50	381	-710	183	0	-23	-168	7.1	60.5	60.2	0.0	104.6	4
1N	50	381	637	183	0	-23	198	7.1	68.3	54.0	0.0	99.2	3
1O	50	381	-710	-143	0	15	-168	7.1	54.6	60.2	0.0	104.6	4
1P	50	381	637	-143	0	15	198	7.1	62.4	54.0	0.0	98.8	3
2	50	-91	413	96	0	-16	200	1.7	63.1	35.0	0.0	72.3	3
7	50	-94	360	97	0	-15	170	1.8	55.2	30.5	0.0	62.7	3
8	50	-69	338	72	0	-12	165	1.3	51.5	28.6	0.0	59.2	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-273	29	92	11	7	11	1.00	1.00	50.7	
1B	-273	29	70	11	7	11	1.00	1.00	44.9	
1C	-273	25	92	11	7	11	1.00	1.00	47.6	
1D	-273	25	70	11	7	11	1.00	1.00	41.8	
1E	356	29	92	11	7	11	1.00	1.00	52.2	
1F	356	29	70	11	7	11	1.00	1.00	46.5	
1G	356	25	92	11	7	11	1.00	1.00	49.2	
1H	356	25	70	11	7	11	1.00	1.00	43.4	
1I	-297	32	73	11	7	11	1.00	1.00	48.3	
1J	-297	32	79	11	7	11	1.00	1.00	49.9	
1K	-297	28	73	11	7	11	1.00	1.00	45.2	
1L	-297	28	79	11	7	11	1.00	1.00	46.8	
1M	381	32	73	11	7	11	1.00	1.00	49.9	
1N	381	32	79	11	7	11	1.00	1.00	51.5	
1O	381	28	73	11	7	11	1.00	1.00	46.8	
1P	381	28	79	11	7	11	1.00	1.00	48.4	
2	-91	13	114	11	7	11	1.00	1.00	40.9	
7	-94	14	96	11	7	11	1.00	1.00	36.8	
8	-69	9	94	11	7	11	1.00	1.00	32.6	

ASTA NUM. 219 NI 719 NF 701 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10796	-24	229	0	0	0	200.7	0.0	19.4	0.0	203.5	4	
1B	0	-10796	29	229	0	0	-0	200.7	0.0	19.4	0.0	203.5	4	
1C	0	-10796	-24	-257	0	-0	0	200.7	0.0	21.8	0.0	204.2	4	
1D	0	-10796	29	-257	0	-0	-0	200.7	0.0	21.8	0.0	204.2	4	
1E	0	9974	-24	229	0	0	0	185.4	0.0	19.4	0.0	188.4	4	
1F	0	9974	29	229	0	0	-0	185.4	0.0	19.4	0.0	188.4	4	
1G	0	9974	-24	-257	0	-0	0	185.4	0.0	21.8	0.0	189.2	4	
1H	0	9974	29	-257	0	-0	-0	185.4	0.0	21.8	0.0	189.2	4	
1I	0	-5686	-9	122	0	0	0	105.7	0.0	10.4	0.0	107.2	4	
1J	0	-5686	14	122	0	0	-0	105.7	0.0	10.4	0.0	107.2	4	
1K	0	-5686	-9	-151	0	-0	0	105.7	0.0	12.8	0.0	108.0	4	
1L	0	-5686	14	-151	0	-0	-0	105.7	0.0	12.8	0.0	108.0	4	
1M	0	4864	-9	122	0	0	0	90.4	0.0	10.4	0.0	92.2	4	
1N	0	4864	14	122	0	0	-0	90.4	0.0	10.4	0.0	92.2	4	
1O	0	4864	-9	-151	0	-0	0	90.4	0.0	12.8	0.0	93.1	4	
1P	0	4864	14	-151	0	-0	-0	90.4	0.0	12.8	0.0	93.1	4	
2	0	-6527	15	-49	0	0	0	121.3	0.0	4.2	0.0	121.5	4	
7	0	-5174	11	-30	0	0	0	96.2	0.0	2.5	0.0	96.3	4	
8	0	-6096	13	-55	0	0	0	113.3	0.0	4.7	0.0	113.6	4	
1A	55	-10773	-24	229	0	-127	-13	200.2	42.5	19.4	0.0	242.7	1	
1B	55	-10773	29	229	0	-127	16	200.2	44.5	19.4	0.0	244.7	1	
1C	55	-10773	-24	-257	0	142	-13	200.2	46.5	21.8	0.0	246.7	1	
1D	55	-10773	29	-257	0	142	16	200.2	48.5	21.8	0.0	248.7	1	
1E	55	9997	-24	229	0	-127	-13	185.8	42.5	19.4	0.0	228.3	1	
1F	55	9997	29	229	0	-127	16	185.8	44.5	19.4	0.0	230.3	1	
1G	55	9997	-24	-257	0	142	-13	185.8	46.5	21.8	0.0	232.3	1	
1H	55	9997	29	-257	0	142	16	185.8	48.5	21.8	0.0	234.3	1	
1I	55	-5663	-9	122	0	-68	-5	105.3	21.3	10.4	0.0	126.5	1	
1J	55	-5663	14	122	0	-68	8	105.3	23.3	10.4	0.0	128.5	1	
1K	55	-5663	-9	-151	0	83	-5	105.3	25.3	12.8	0.0	130.6	1	
1L	55	-5663	14	-151	0	83	8	105.3	27.3	12.8	0.0	132.6	1	
1M	55	4887	-9	122	0	-68	-5	90.8	21.3	10.4	0.0	112.1	1	
1N	55	4887	14	122	0	-68	8	90.8	23.3	10.4	0.0	114.1	1	
1O	55	4887	-9	-151	0	83	-5	90.8	25.3	12.8	0.0	116.1	1	
1P	55	4887	14	-151	0	83	8	90.8	27.3	12.8	0.0	118.2	1	
2	55	-6497	15	15	0	10	8	120.8	8.7	1.2	0.0	129.4	1	
7	55	-5144	11	15	0	4	6	95.6	5.6	1.3	0.0	101.2	1	
8	55	-6066	13	9	0	13	7	112.7	8.8	0.7	0.0	121.5	1	
1A	111	-10750	-24	229	0	-253	-26	199.8	84.9	19.4	0.0	284.7	1	
1B	111	-10750	29	229	0	-253	32	199.8	88.9	19.4	0.0	288.7	1	
1C	111	-10750	-24	-257	0	284	-26	199.8	93.0	21.8	0.0	292.8	1	
1D	111	-10750	29	-257	0	284	32	199.8	97.0	21.8	0.0	296.8	1	
1E	111	10020	-24	229	0	-253	-26	186.3	84.9	19.4	0.0	271.2	1	

1F	111	10020	29	229	0	-253	32	186.3	88.9	19.4	0.0	275.2	1
1G	111	10020	-24	-257	0	284	-26	186.3	93.0	21.8	0.0	279.2	1
1H	111	10020	29	-257	0	284	32	186.3	97.0	21.8	0.0	283.3	1
1I	111	-5640	-9	122	0	-135	-10	104.8	42.5	10.4	0.0	147.4	1
1J	111	-5640	14	122	0	-135	16	104.8	46.6	10.4	0.0	151.4	1
1K	111	-5640	-9	-151	0	167	-10	104.8	50.6	12.8	0.0	155.4	1
1L	111	-5640	14	-151	0	167	16	104.8	54.6	12.8	0.0	159.5	1
1M	111	4910	-9	122	0	-135	-10	91.3	42.5	10.4	0.0	133.8	1
1N	111	4910	14	122	0	-135	16	91.3	46.6	10.4	0.0	137.8	1
1O	111	4910	-9	-151	0	167	-10	91.3	50.6	12.8	0.0	141.9	1
1P	111	4910	14	-151	0	167	16	91.3	54.6	12.8	0.0	145.9	1
2	111	-6467	15	78	0	-16	17	120.2	16.5	6.7	0.0	136.7	1
7	111	-5113	11	60	0	-16	12	95.0	13.3	5.1	0.0	108.4	1
8	111	-6035	13	73	0	-10	15	112.2	13.5	6.2	0.0	125.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10796	152	16	23	23	14	1.03	1.00	257.8	
1B	-10796	152	19	23	23	14	1.03	1.00	260.2	
1C	-10796	171	16	23	23	14	1.03	1.00	262.6	
1D	-10796	171	19	23	23	14	1.03	1.00	265.1	
1E	10020	152	16	23	23	14	1.00	1.00	237.2	
1F	10020	152	19	23	23	14	1.00	1.00	239.6	
1G	10020	171	16	23	23	14	1.00	1.00	242.0	
1H	10020	171	19	23	23	14	1.00	1.00	244.5	
1I	-5686	81	6	23	23	14	1.03	1.00	134.4	
1J	-5686	81	9	23	23	14	1.03	1.00	136.8	
1K	-5686	100	6	23	23	14	1.03	1.00	139.3	
1L	-5686	100	9	23	23	14	1.03	1.00	141.7	
1M	4910	81	6	23	23	14	1.00	1.00	116.8	
1N	4910	81	9	23	23	14	1.00	1.00	119.2	
1O	4910	100	6	23	23	14	1.00	1.00	121.6	
1P	4910	100	9	23	23	14	1.00	1.00	124.0	
2	-6527	10	10	23	23	14	1.03	1.00	134.9	
7	-5174	10	7	23	23	14	1.03	1.00	107.1	
8	-6096	6	9	23	23	14	1.03	1.00	124.8	

ASTA NUM. 220 NI 720 NF 709 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18044	-47	223	0	0	0	335.4	0.3	18.9	0.0	337.0	4	
1B	0	-18044	30	223	0	0	-0	335.4	0.2	18.9	0.0	337.0	4	
1C	0	-18044	-47	-250	0	-0	0	335.4	0.2	21.2	0.0	337.4	4	
1D	0	-18044	30	-250	0	-0	-0	335.4	0.2	21.2	0.0	337.4	4	
1E	0	15808	-47	223	0	0	0	293.8	0.3	18.9	0.0	295.6	4	
1F	0	15808	30	223	0	0	-0	293.8	0.2	18.9	0.0	295.6	4	
1G	0	15808	-47	-250	0	-0	0	293.8	0.2	21.2	0.0	296.1	4	
1H	0	15808	30	-250	0	-0	-0	293.8	0.2	21.2	0.0	296.1	4	
1I	0	-10582	-39	119	0	0	0	196.7	0.2	10.1	0.0	197.5	4	
1J	0	-10582	22	119	0	0	-0	196.7	0.2	10.1	0.0	197.5	4	
1K	0	-10582	-39	-146	0	-0	0	196.7	0.2	12.4	0.0	197.9	4	
1L	0	-10582	22	-146	0	-0	-0	196.7	0.1	12.4	0.0	197.9	4	
1M	0	8346	-39	119	0	0	0	155.1	0.2	10.1	0.0	156.1	4	
1N	0	8346	22	119	0	0	-0	155.1	0.2	10.1	0.0	156.1	4	
1O	0	8346	-39	-146	0	-0	0	155.1	0.2	12.4	0.0	156.6	4	
1P	0	8346	22	-146	0	-0	-0	155.1	0.1	12.4	0.0	156.6	4	
2	0	2377	-16	-11	0	-0	0	44.2	0.2	0.9	0.0	44.4	1	
7	0	1930	-11	-3	0	-0	0	35.9	0.1	0.4	0.0	36.0	1	
8	0	2054	-13	-16	0	-0	0	38.2	0.2	1.4	0.0	38.3	1	
1A	55	-18020	-47	223	0	-123	-26	335.0	50.7	18.9	0.0	385.7	1	
1B	55	-18020	30	223	0	-123	16	335.0	43.8	18.9	0.0	378.7	1	
1C	55	-18020	-47	-250	0	138	-26	335.0	54.6	21.2	0.0	389.6	1	
1D	55	-18020	30	-250	0	138	16	335.0	47.7	21.2	0.0	382.6	1	
1E	55	15832	-47	223	0	-123	-26	294.3	50.7	18.9	0.0	345.0	1	
1F	55	15832	30	223	0	-123	16	294.3	43.8	18.9	0.0	338.0	1	
1G	55	15832	-47	-250	0	138	-26	294.3	54.6	21.2	0.0	348.9	1	
1H	55	15832	30	-250	0	138	16	294.3	47.7	21.2	0.0	341.9	1	
1I	55	-10558	-39	119	0	81	-21	196.3	36.8	10.1	0.0	233.1	1	
1J	55	-10558	22	119	0	81	12	196.3	29.9	10.1	0.0	226.1	1	
1K	55	-10558	-39	-146	0	-66	-21	196.3	32.9	12.4	0.0	229.2	1	
1L	55	-10558	22	-146	0	-66	12	196.3	26.0	12.4	0.0	222.2	1	
1M	55	8370	-39	119	0	81	-21	155.6	36.8	10.1	0.0	192.4	1	
1N	55	8370	22	119	0	81	12	155.6	29.9	10.1	0.0	185.4	1	
1O	55	8370	-39	-146	0	-66	-21	155.6	32.9	12.4	0.0	188.5	1	
1P	55	8370	22	-146	0	-66	12	155.6	26.0	12.4	0.0	181.5	1	
2	55	2407	-16	-2	0	3	-9	44.7	7.2	0.6	0.0	52.0	1	
7	55	1960	-11	3	0	-0	-6	36.4	4.6	0.4	0.0	41.0	1	
8	55	2084	-13	-7	0	6	-7	38.7	6.7	0.6	0.0	45.5	1	
1A	111	-17997	-47	223	0	-246	-51	334.5	101.7	18.9	0.0	436.2	1	
1B	111	-17997	30	223	0	-246	33	334.5	87.8	18.9	0.0	422.3	1	
1C	111	-17997	-47	-250	0	276	-51	334.5	109.5	21.2	0.0	444.0	1	
1D	111	-17997	30	-250	0	276	33	334.5	95.5	21.2	0.0	430.0	1	
1E	111	15855	-47	223	0	-246	-51	294.7	101.7	18.9	0.0	396.4	1	
1F	111	15855	30	223	0	-246	33	294.7	87.8	18.9	0.0	382.5	1	

1G	111	15855	-47	-250	0	276	-51	294.7	109.5	21.2	0.0	404.2	1
1H	111	15855	30	-250	0	276	33	294.7	95.5	21.2	0.0	390.2	1
1I	111	-10535	-39	119	0	162	-43	195.8	73.7	10.1	0.0	269.5	1
1J	111	-10535	22	119	0	162	24	195.8	59.8	10.1	0.0	255.6	1
1K	111	-10535	-39	-146	0	-131	-43	195.8	66.0	12.4	0.0	261.8	1
1L	111	-10535	22	-146	0	-131	24	195.8	52.0	12.4	0.0	247.8	1
1M	111	8393	-39	119	0	162	-43	156.0	73.7	10.1	0.0	229.7	1
1N	111	8393	22	119	0	162	24	156.0	59.8	10.1	0.0	215.8	1
1O	111	8393	-39	-146	0	-131	-43	156.0	66.0	12.4	0.0	222.0	1
1P	111	8393	22	-146	0	-131	24	156.0	52.0	12.4	0.0	208.0	1
2	111	2437	-16	7	0	2	-17	45.3	13.4	0.6	0.0	58.7	1
7	111	1991	-11	10	0	-4	-12	37.0	10.1	0.8	0.0	47.1	1
8	111	2115	-13	2	0	8	-14	39.3	12.3	0.5	0.0	51.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18044	148	31	23	23	14	1.03	1.00	406.7	
1B	-18044	148	20	23	23	14	1.03	1.00	398.3	
1C	-18044	166	31	23	23	14	1.03	1.00	411.4	
1D	-18044	166	20	23	23	14	1.03	1.00	402.9	
1E	15855	148	31	23	23	14	1.00	1.00	355.6	
1F	15855	148	20	23	23	14	1.00	1.00	347.3	
1G	15855	166	31	23	23	14	1.00	1.00	360.3	
1H	15855	166	20	23	23	14	1.00	1.00	351.9	
1I	-10582	97	26	23	23	14	1.03	1.00	246.9	
1J	-10582	97	15	23	23	14	1.03	1.00	238.5	
1K	-10582	79	26	23	23	14	1.03	1.00	242.3	
1L	-10582	79	15	23	23	14	1.03	1.00	233.9	
1M	8393	97	26	23	23	14	1.00	1.00	200.2	
1N	8393	97	15	23	23	14	1.00	1.00	191.9	
1O	8393	79	26	23	23	14	1.00	1.00	195.5	
1P	8393	79	15	23	23	14	1.00	1.00	187.2	
2	2437	1	10	23	23	14	1.00	1.00	53.2	
7	1991	2	7	23	23	14	1.00	1.00	43.1	
8	2115	4	8	23	23	14	1.00	1.00	46.6	

ASTA NUM. 221 NI 709 NF 710 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11166	-10	252	0	226	41	207.5	88.9	21.3	0.0	296.4	1	
1B	0	-11166	29	252	0	226	-55	207.5	99.6	21.3	0.0	307.1	1	
1C	0	-11166	-10	-208	0	-191	41	207.5	80.0	17.6	0.0	287.5	1	
1D	0	-11166	29	-208	0	-191	-55	207.5	90.6	17.6	0.0	298.2	1	
1E	0	9449	-10	252	0	226	41	175.6	88.9	21.3	0.0	264.5	1	
1F	0	9449	29	252	0	226	-55	175.6	99.6	21.3	0.0	275.2	1	
1G	0	9449	-10	-208	0	-191	41	175.6	80.0	17.6	0.0	255.6	1	
1H	0	9449	29	-208	0	-191	-55	175.6	90.6	17.6	0.0	266.3	1	
1I	0	-7346	-22	138	0	161	23	136.5	58.7	11.7	0.0	195.3	1	
1J	0	-7346	41	138	0	161	-37	136.5	69.4	11.7	0.0	205.9	1	
1K	0	-7346	-22	-95	0	-126	23	136.5	49.8	8.0	0.0	186.4	1	
1L	0	-7346	41	-95	0	-126	-37	136.5	60.5	8.0	0.0	197.0	1	
1M	0	5629	-22	138	0	161	23	104.6	58.7	11.7	0.0	163.4	1	
1N	0	5629	41	138	0	161	-37	104.6	69.4	11.7	0.0	174.0	1	
1O	0	5629	-22	-95	0	-126	23	104.6	49.8	8.0	0.0	154.5	1	
1P	0	5629	41	-95	0	-126	-37	104.6	60.5	8.0	0.0	165.1	1	
2	0	2488	-0	-36	0	-58	-8	46.2	20.6	3.0	0.0	66.9	1	
7	0	1968	-1	-23	0	-47	-5	36.6	16.2	2.0	0.0	52.8	1	
8	0	2185	-1	-36	0	-50	-5	40.6	16.9	3.0	0.0	57.5	1	
1A	55	-11142	-10	252	0	77	40	207.1	49.7	21.3	0.0	256.8	1	
1B	55	-11142	29	252	0	77	-44	207.1	52.3	21.3	0.0	259.4	1	
1C	55	-11142	-10	-208	0	-66	40	207.1	47.0	17.6	0.0	254.1	1	
1D	55	-11142	29	-208	0	-66	-44	207.1	49.6	17.6	0.0	256.7	1	
1E	55	9472	-10	252	0	77	40	176.1	49.7	21.3	0.0	225.8	1	
1F	55	9472	29	252	0	77	-44	176.1	52.3	21.3	0.0	228.4	1	
1G	55	9472	-10	-208	0	-66	40	176.1	47.0	17.6	0.0	223.1	1	
1H	55	9472	29	-208	0	-66	-44	176.1	49.6	17.6	0.0	225.7	1	
1I	55	-7322	-22	138	0	102	2	136.1	27.5	11.7	0.0	163.6	1	
1J	55	-7322	41	138	0	102	-5	136.1	30.1	11.7	0.0	166.2	1	
1K	55	-7322	-22	-95	0	-91	2	136.1	24.8	8.0	0.0	160.9	1	
1L	55	-7322	41	-95	0	-91	-5	136.1	27.4	8.0	0.0	163.5	1	
1M	55	5652	-22	138	0	102	2	105.1	27.5	11.7	0.0	132.6	1	
1N	55	5652	41	138	0	102	-5	105.1	30.1	11.7	0.0	135.2	1	
1O	55	5652	-22	-95	0	-91	2	105.1	24.8	8.0	0.0	129.9	1	
1P	55	5652	41	-95	0	-91	-5	105.1	27.4	8.0	0.0	132.5	1	
2	55	2518	-0	-27	0	-40	-8	46.8	16.2	2.3	0.0	63.0	1	
7	55	1998	-1	-17	0	-36	-6	37.1	13.7	1.4	0.0	50.9	1	
8	55	2216	-1	-27	0	-32	-6	41.2	12.9	2.3	0.0	54.1	1	
1A	111	-11119	-10	252	0	-72	39	206.7	47.7	21.3	0.0	254.4	1	
1B	111	-11119	29	252	0	-72	-32	206.7	42.3	21.3	0.0	248.9	1	
1C	111	-11119	-10	-208	0	59	39	206.7	44.2	17.6	0.0	250.9	1	
1D	111	-11119	29	-208	0	59	-32	206.7	38.7	17.6	0.0	245.4	1	
1E	111	9496	-10	252	0	-72	39	176.5	47.7	21.3	0.0	224.2	1	
1F	111	9496	29	252	0	-72	-32	176.5	42.3	21.3	0.0	218.8	1	
1G	111	9496	-10	-208	0	59	39	176.5	44.2	17.6	0.0	220.7	1	

1H	111	9496	29	-208	0	59	-32	176.5	38.7	17.6	0.0	215.2	1
1I	111	-7299	-22	138	0	42	-19	135.7	25.3	11.7	0.0	161.0	1
1J	111	-7299	41	138	0	42	27	135.7	30.8	11.7	0.0	166.5	1
1K	111	-7299	-22	-95	0	-56	-19	135.7	28.9	8.0	0.0	164.5	1
1L	111	-7299	41	-95	0	-56	27	135.7	34.3	8.0	0.0	170.0	1
1M	111	5676	-22	138	0	42	-19	105.5	25.3	11.7	0.0	130.8	1
1N	111	5676	41	138	0	42	27	105.5	30.8	11.7	0.0	136.3	1
1O	111	5676	-22	-95	0	-56	-19	105.5	28.9	8.0	0.0	134.4	1
1P	111	5676	41	-95	0	-56	27	105.5	34.3	8.0	0.0	139.8	1
2	111	2549	-0	-18	0	-28	-8	47.4	13.1	1.5	0.0	60.5	1
7	111	2029	-1	-11	0	-29	-6	37.7	12.1	0.9	0.0	49.8	1
8	111	2246	-1	-18	0	-20	-7	41.7	10.2	1.5	0.0	51.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11166	106	40	23	23	14	1.03	1.00	271.5	
1B	-11166	106	46	23	23	14	1.03	1.00	275.8	
1C	-11166	91	40	23	23	14	1.03	1.00	267.6	
1D	-11166	91	46	23	23	14	1.03	1.00	271.8	
1E	9496	106	40	23	23	14	1.00	1.00	234.0	
1F	9496	106	46	23	23	14	1.00	1.00	238.2	
1G	9496	91	40	23	23	14	1.00	1.00	230.1	
1H	9496	91	46	23	23	14	1.00	1.00	234.3	
1I	-7346	113	9	23	23	14	1.03	1.00	176.8	
1J	-7346	113	15	23	23	14	1.03	1.00	181.1	
1K	-7346	98	9	23	23	14	1.03	1.00	172.9	
1L	-7346	98	15	23	23	14	1.03	1.00	177.1	
1M	5676	113	9	23	23	14	1.00	1.00	141.6	
1N	5676	113	15	23	23	14	1.00	1.00	145.9	
1O	5676	98	9	23	23	14	1.00	1.00	137.7	
1P	5676	98	15	23	23	14	1.00	1.00	141.9	
2	2549	46	8	23	23	14	1.00	1.00	65.0	
7	2029	40	6	23	23	14	1.00	1.00	52.4	
8	2246	38	6	23	23	14	1.00	1.00	56.1	

ASTA NUM. 222 NI 710 NF 711 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12944	-31	221	0	105	45	240.6	60.4	18.7	0.0	301.0	1	
1B	0	-12944	16	221	0	105	-36	240.6	54.0	18.7	0.0	294.6	1	
1C	0	-12944	-31	-235	0	-112	45	240.6	62.1	19.9	0.0	302.7	1	
1D	0	-12944	16	-235	0	-112	-36	240.6	55.8	19.9	0.0	296.4	1	
1E	0	11687	-31	221	0	105	45	217.2	60.4	18.7	0.0	277.6	1	
1F	0	11687	16	221	0	105	-36	217.2	54.0	18.7	0.0	271.3	1	
1G	0	11687	-31	-235	0	-112	45	217.2	62.1	19.9	0.0	279.4	1	
1H	0	11687	16	-235	0	-112	-36	217.2	55.8	19.9	0.0	273.0	1	
1I	0	-6980	-45	82	0	73	34	129.7	44.6	6.9	0.0	174.4	1	
1J	0	-6980	30	82	0	73	-26	129.7	38.3	6.9	0.0	168.0	1	
1K	0	-6980	-45	-96	0	-80	34	129.7	46.4	8.1	0.0	176.1	1	
1L	0	-6980	30	-96	0	-80	-26	129.7	40.1	8.1	0.0	169.8	1	
1M	0	5722	-45	82	0	73	34	106.4	44.6	6.9	0.0	151.0	1	
1N	0	5722	30	82	0	73	-26	106.4	38.3	6.9	0.0	144.6	1	
1O	0	5722	-45	-96	0	-80	34	106.4	46.4	8.1	0.0	152.8	1	
1P	0	5722	30	-96	0	-80	-26	106.4	40.1	8.1	0.0	146.4	1	
2	0	321	3	-85	0	-68	-2	6.0	18.8	7.2	0.0	24.8	1	
7	0	379	4	-64	0	-58	-2	7.0	16.7	5.5	0.0	23.8	1	
8	0	84	2	-82	0	-59	-1	1.6	16.1	7.0	0.0	18.5	3	
1A	55	-12921	-31	221	0	-28	33	240.2	31.5	18.7	0.0	271.6	1	
1B	55	-12921	16	221	0	-28	-32	240.2	31.4	18.7	0.0	271.6	1	
1C	55	-12921	-31	-235	0	29	33	240.2	31.7	19.9	0.0	271.9	1	
1D	55	-12921	16	-235	0	29	-32	240.2	31.6	19.9	0.0	271.8	1	
1E	55	11710	-31	221	0	-28	33	217.7	31.5	18.7	0.0	249.1	1	
1F	55	11710	16	221	0	-28	-32	217.7	31.4	18.7	0.0	249.0	1	
1G	55	11710	-31	-235	0	29	33	217.7	31.7	19.9	0.0	249.4	1	
1H	55	11710	16	-235	0	29	-32	217.7	31.6	19.9	0.0	249.3	1	
1I	55	-6956	-45	82	0	-7	4	129.3	4.3	6.9	0.0	133.6	1	
1J	55	-6956	30	82	0	-7	-3	129.3	4.3	6.9	0.0	133.6	1	
1K	55	-6956	-45	-96	0	8	4	129.3	4.6	8.1	0.0	133.9	1	
1L	55	-6956	30	-96	0	8	-3	129.3	4.5	8.1	0.0	133.8	1	
1M	55	5746	-45	82	0	-7	4	106.8	4.3	6.9	0.0	111.1	1	
1N	55	5746	30	82	0	-7	-3	106.8	4.3	6.9	0.0	111.1	1	
1O	55	5746	-45	-96	0	8	4	106.8	4.6	8.1	0.0	111.4	1	
1P	55	5746	30	-96	0	8	-3	106.8	4.5	8.1	0.0	111.3	1	
2	55	351	3	-75	0	-23	-0	6.5	6.2	6.4	0.0	15.4	3	
7	55	410	4	-58	0	-24	-0	7.6	6.3	4.9	0.0	15.1	3	
8	55	115	2	-73	0	-16	-0	2.1	4.4	6.2	0.0	11.1	3	
1A	111	-12898	-31	221	0	-160	21	239.7	56.6	18.7	0.0	296.4	1	
1B	111	-12898	16	221	0	-160	-29	239.7	62.8	18.7	0.0	302.6	1	
1C	111	-12898	-31	-235	0	169	21	239.7	58.9	19.9	0.0	298.7	1	
1D	111	-12898	16	-235	0	169	-29	239.7	65.1	19.9	0.0	304.9	1	
1E	111	11734	-31	221	0	-160	21	218.1	56.6	18.7	0.0	274.7	1	
1F	111	11734	16	221	0	-160	-29	218.1	62.8	18.7	0.0	280.9	1	
1G	111	11734	-31	-235	0	169	21	218.1	58.9	19.9	0.0	277.0	1	
1H	111	11734	16	-235	0	169	-29	218.1	65.1	19.9	0.0	283.2	1	

1I	111	-6933	-45	82	0	-87	-27	128.9	42.7	6.9	0.0	171.5	1
1J	111	-6933	30	82	0	-87	19	128.9	36.5	6.9	0.0	165.4	1
1K	111	-6933	-45	-96	0	95	-27	128.9	45.0	8.1	0.0	173.8	1
1L	111	-6933	30	-96	0	95	19	128.9	38.8	8.1	0.0	167.7	1
1M	111	5769	-45	82	0	-87	-27	107.2	42.7	6.9	0.0	149.9	1
1N	111	5769	30	82	0	-87	19	107.2	36.5	6.9	0.0	143.7	1
1O	111	5769	-45	-96	0	95	-27	107.2	45.0	8.1	0.0	152.2	1
1P	111	5769	30	-96	0	95	19	107.2	38.8	8.1	0.0	146.0	1
2	111	382	3	-66	0	16	1	7.1	5.0	5.6	0.0	13.8	3
7	111	440	4	-52	0	6	2	8.2	3.1	4.4	0.0	11.8	3
8	111	145	2	-64	0	22	0	2.7	6.0	5.4	0.0	11.4	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12944	64	35	23	23	14	1.03	1.00	290.7	
1B	-12944	64	33	23	23	14	1.03	1.00	289.3	
1C	-12944	68	35	23	23	14	1.03	1.00	291.6	
1D	-12944	68	33	23	23	14	1.03	1.00	290.3	
1E	11734	64	35	23	23	14	1.00	1.00	260.7	
1F	11734	64	33	23	23	14	1.00	1.00	259.4	
1G	11734	68	35	23	23	14	1.00	1.00	261.7	
1H	11734	68	33	23	23	14	1.00	1.00	260.3	
1I	-6980	35	14	23	23	14	1.03	1.00	152.9	
1J	-6980	35	10	23	23	14	1.03	1.00	150.3	
1K	-6980	38	14	23	23	14	1.03	1.00	153.8	
1L	-6980	38	10	23	23	14	1.03	1.00	151.2	
1M	5769	35	14	23	23	14	1.00	1.00	126.4	
1N	5769	35	10	23	23	14	1.00	1.00	123.9	
1O	5769	38	14	23	23	14	1.00	1.00	127.3	
1P	5769	38	10	23	23	14	1.00	1.00	124.8	
2	382	34	1	23	23	14	1.00	1.00	16.4	
7	440	32	1	23	23	14	1.00	1.00	17.2	
8	145	26	1	23	23	14	1.00	1.00	10.0	

ASTA NUM. 223 NI 711 NF 712 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6240	-3	159	0	122	24	116.0	49.4	13.5	0.0	165.4	1	
1B	0	-6240	13	159	0	122	-32	116.0	55.0	13.5	0.0	171.0	1	
1C	0	-6240	-3	-126	0	-109	24	116.0	46.1	10.6	0.0	162.0	1	
1D	0	-6240	13	-126	0	-109	-32	116.0	51.7	10.6	0.0	167.6	1	
1E	0	5486	-3	159	0	122	24	102.0	49.4	13.5	0.0	151.4	1	
1F	0	5486	13	159	0	122	-32	102.0	55.0	13.5	0.0	157.0	1	
1G	0	5486	-3	-126	0	-109	24	102.0	46.1	10.6	0.0	148.0	1	
1H	0	5486	13	-126	0	-109	-32	102.0	51.7	10.6	0.0	153.6	1	
1I	0	-3820	-13	104	0	91	16	71.0	35.3	8.8	0.0	106.3	1	
1J	0	-3820	23	104	0	91	-23	71.0	40.9	8.8	0.0	111.9	1	
1K	0	-3820	-13	-70	0	-78	16	71.0	31.9	6.0	0.0	102.9	1	
1L	0	-3820	23	-70	0	-78	-23	71.0	37.5	6.0	0.0	108.5	1	
1M	0	3065	-13	104	0	91	16	57.0	35.3	8.8	0.0	92.3	1	
1N	0	3065	23	104	0	91	-23	57.0	40.9	8.8	0.0	97.8	1	
1O	0	3065	-13	-70	0	-78	16	57.0	31.9	6.0	0.0	88.9	1	
1P	0	3065	23	-70	0	-78	-23	57.0	37.5	6.0	0.0	94.5	1	
2	0	554	-2	-30	0	-17	2	10.3	6.1	2.6	0.0	16.4	1	
7	0	504	-3	-22	0	-18	3	9.4	6.6	1.8	0.0	15.9	1	
8	0	333	-1	-29	0	-9	2	6.2	3.5	2.5	0.0	9.7	1	
1A	55	-6217	-3	159	0	33	25	115.6	27.5	13.5	0.0	143.1	1	
1B	55	-6217	13	159	0	33	-27	115.6	28.7	13.5	0.0	144.3	1	
1C	55	-6217	-3	-126	0	-39	25	115.6	28.9	10.6	0.0	144.5	1	
1D	55	-6217	13	-126	0	-39	-27	115.6	30.2	10.6	0.0	145.7	1	
1E	55	5509	-3	159	0	33	25	102.4	27.5	13.5	0.0	129.9	1	
1F	55	5509	13	159	0	33	-27	102.4	28.7	13.5	0.0	131.1	1	
1G	55	5509	-3	-126	0	-39	25	102.4	28.9	10.6	0.0	131.3	1	
1H	55	5509	13	-126	0	-39	-27	102.4	30.2	10.6	0.0	132.6	1	
1I	55	-3796	-13	104	0	31	2	70.6	9.9	8.8	0.0	80.4	1	
1J	55	-3796	23	104	0	31	-4	70.6	11.1	8.8	0.0	81.7	1	
1K	55	-3796	-13	-70	0	-37	2	70.6	11.3	6.0	0.0	81.9	1	
1L	55	-3796	23	-70	0	-37	-4	70.6	12.5	6.0	0.0	83.1	1	
1M	55	3089	-13	104	0	31	2	57.4	9.9	8.8	0.0	67.3	1	
1N	55	3089	23	104	0	31	-4	57.4	11.1	8.8	0.0	68.5	1	
1O	55	3089	-13	-70	0	-37	2	57.4	11.3	6.0	0.0	68.7	1	
1P	55	3089	23	-70	0	-37	-4	57.4	12.5	6.0	0.0	69.9	1	
2	55	585	-2	-21	0	-2	1	10.9	1.6	1.8	0.0	12.4	1	
7	55	535	-3	-15	0	-8	1	9.9	2.8	1.3	0.0	12.8	1	
8	55	363	-1	-20	0	4	1	6.8	2.1	1.7	0.0	8.8	1	
1A	111	-6193	-3	159	0	-55	27	115.1	34.1	13.5	0.0	149.2	1	
1B	111	-6193	13	159	0	-55	-22	115.1	31.0	13.5	0.0	146.1	1	
1C	111	-6193	-3	-126	0	31	27	115.1	27.9	10.6	0.0	143.0	1	
1D	111	-6193	13	-126	0	31	-22	115.1	24.7	10.6	0.0	139.9	1	
1E	111	5533	-3	159	0	-55	27	102.8	34.1	13.5	0.0	136.9	1	
1F	111	5533	13	159	0	-55	-22	102.8	31.0	13.5	0.0	133.8	1	
1G	111	5533	-3	-126	0	31	27	102.8	27.9	10.6	0.0	130.7	1	
1H	111	5533	13	-126	0	31	-22	102.8	24.7	10.6	0.0	127.6	1	
1I	111	-3773	-13	104	0	-29	-11	70.1	15.6	8.8	0.0	85.7	1	

1J	111	-3773	23	104	0	-29	15	70.1	18.7	8.8	0.0	88.8	1
1K	111	-3773	-13	-70	0	4	-11	70.1	9.3	6.0	0.0	79.4	1
1L	111	-3773	23	-70	0	4	15	70.1	12.4	6.0	0.0	82.6	1
1M	111	3112	-13	104	0	-29	-11	57.8	15.6	8.8	0.0	73.4	1
1N	111	3112	23	104	0	-29	15	57.8	18.7	8.8	0.0	76.5	1
1O	111	3112	-13	-70	0	4	-11	57.8	9.3	6.0	0.0	67.2	1
1P	111	3112	23	-70	0	4	15	57.8	12.4	6.0	0.0	70.3	1
2	111	615	-2	-12	0	7	0	11.4	1.7	1.0	0.0	13.2	1
7	111	565	-3	-9	0	-1	-0	10.5	0.5	0.8	0.0	11.0	1
8	111	394	-1	-11	0	13	1	7.3	4.0	0.9	0.0	11.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6240	51	26	23	23	14	1.03	1.00	151.8	
1B	-6240	51	28	23	23	14	1.03	1.00	153.5	
1C	-6240	53	26	23	23	14	1.03	1.00	152.3	
1D	-6240	53	28	23	23	14	1.03	1.00	154.0	
1E	5533	51	26	23	23	14	1.00	1.00	135.1	
1F	5533	51	28	23	23	14	1.00	1.00	136.8	
1G	5533	53	26	23	23	14	1.00	1.00	135.6	
1H	5533	53	28	23	23	14	1.00	1.00	137.3	
1I	-3820	43	6	23	23	14	1.03	1.00	89.0	
1J	-3820	43	9	23	23	14	1.03	1.00	91.2	
1K	-3820	45	6	23	23	14	1.03	1.00	89.5	
1L	-3820	45	9	23	23	14	1.03	1.00	91.7	
1M	3112	43	6	23	23	14	1.00	1.00	73.7	
1N	3112	43	9	23	23	14	1.00	1.00	75.9	
1O	3112	45	6	23	23	14	1.00	1.00	74.2	
1P	3112	45	9	23	23	14	1.00	1.00	76.4	
2	615	7	1	23	23	14	1.00	1.00	14.4	
7	565	11	1	23	23	14	1.00	1.00	14.4	
8	394	5	1	23	23	14	1.00	1.00	9.6	

ASTA NUM. 224 NI 712 NF 713 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8137	-5	155	0	77	14	151.2	30.3	13.2	0.0	181.5	1	
1B	0	-8137	11	155	0	77	-16	151.2	31.8	13.2	0.0	183.0	1	
1C	0	-8137	-5	-160	0	-95	14	151.2	34.9	13.6	0.0	186.2	1	
1D	0	-8137	11	-160	0	-95	-16	151.2	36.4	13.6	0.0	187.7	1	
1E	0	7804	-5	155	0	77	14	145.1	30.3	13.2	0.0	175.3	1	
1F	0	7804	11	155	0	77	-16	145.1	31.8	13.2	0.0	176.9	1	
1G	0	7804	-5	-160	0	-95	14	145.1	34.9	13.6	0.0	180.0	1	
1H	0	7804	11	-160	0	-95	-16	145.1	36.4	13.6	0.0	181.5	1	
1I	0	-3667	-14	64	0	30	12	68.2	16.5	5.5	0.0	84.7	1	
1J	0	-3667	20	64	0	30	-14	68.2	18.1	5.5	0.0	86.2	1	
1K	0	-3667	-14	-69	0	-48	12	68.2	21.2	5.9	0.0	89.3	1	
1L	0	-3667	20	-69	0	-48	-14	68.2	22.7	5.9	0.0	90.8	1	
1M	0	3334	-14	64	0	30	12	62.0	16.5	5.5	0.0	78.5	1	
1N	0	3334	20	64	0	30	-14	62.0	18.1	5.5	0.0	80.0	1	
1O	0	3334	-14	-69	0	-48	12	62.0	21.2	5.9	0.0	83.2	1	
1P	0	3334	20	-69	0	-48	-14	62.0	22.7	5.9	0.0	84.7	1	
2	0	-503	28	-46	0	-13	-9	9.4	9.9	3.9	0.0	19.2	1	
7	0	-306	23	-37	0	-16	-7	5.7	9.7	3.1	0.0	15.4	1	
8	0	-657	21	-43	0	-6	-7	12.2	6.4	3.7	0.0	18.6	1	
1A	55	-8114	-5	155	0	-10	18	150.8	15.9	13.2	0.0	166.7	1	
1B	55	-8114	11	155	0	-10	-16	150.8	14.8	13.2	0.0	165.6	1	
1C	55	-8114	-5	-160	0	-5	18	150.8	14.5	13.6	0.0	165.3	1	
1D	55	-8114	11	-160	0	-5	-16	150.8	13.5	13.6	0.0	164.3	1	
1E	55	7828	-5	155	0	-10	18	145.5	15.9	13.2	0.0	161.4	1	
1F	55	7828	11	155	0	-10	-16	145.5	14.8	13.2	0.0	160.3	1	
1G	55	7828	-5	-160	0	-5	18	145.5	14.5	13.6	0.0	160.0	1	
1H	55	7828	11	-160	0	-5	-16	145.5	13.5	13.6	0.0	159.0	1	
1I	55	-3643	-14	64	0	-9	0	67.7	2.6	5.5	0.0	70.4	1	
1J	55	-3643	20	64	0	-9	1	67.7	3.0	5.5	0.0	70.7	1	
1K	55	-3643	-14	-69	0	-7	0	67.7	2.1	5.9	0.0	69.8	3	
1L	55	-3643	20	-69	0	-7	1	67.7	2.4	5.9	0.0	70.1	1	
1M	55	3358	-14	64	0	-9	0	62.4	2.6	5.5	0.0	65.0	1	
1N	55	3358	20	64	0	-9	1	62.4	3.0	5.5	0.0	65.4	1	
1O	55	3358	-14	-69	0	-7	0	62.4	2.1	5.9	0.0	64.6	3	
1P	55	3358	20	-69	0	-7	1	62.4	2.4	5.9	0.0	64.8	1	
2	55	-473	28	-37	0	10	7	8.8	7.6	3.1	0.0	16.4	1	
7	55	-275	23	-31	0	2	5	5.1	4.6	2.6	0.0	9.7	1	
8	55	-626	21	-34	0	15	5	11.6	7.9	2.9	0.0	19.6	1	
1A	111	-8090	-5	155	0	-97	21	150.4	40.9	13.2	0.0	191.3	1	
1B	111	-8090	11	155	0	-97	-16	150.4	37.3	13.2	0.0	187.7	1	
1C	111	-8090	-5	-160	0	84	21	150.4	37.6	13.6	0.0	188.0	1	
1D	111	-8090	11	-160	0	84	-16	150.4	34.0	13.6	0.0	184.4	1	
1E	111	7851	-5	155	0	-97	21	145.9	40.9	13.2	0.0	186.8	1	
1F	111	7851	11	155	0	-97	-16	145.9	37.3	13.2	0.0	183.2	1	
1G	111	7851	-5	-160	0	84	21	145.9	37.6	13.6	0.0	183.5	1	
1H	111	7851	11	-160	0	84	-16	145.9	34.0	13.6	0.0	179.9	1	
1I	111	-3620	-14	64	0	-48	-11	67.3	20.4	5.5	0.0	87.7	1	
1J	111	-3620	20	64	0	-48	16	67.3	24.0	5.5	0.0	91.3	1	

1K	111	-3620	-14	-69	0	35	-11	67.3	17.1	5.9	0.0	84.4	1
1L	111	-3620	20	-69	0	35	16	67.3	20.7	5.9	0.0	88.0	1
1M	111	3381	-14	64	0	-48	-11	62.8	20.4	5.5	0.0	83.2	1
1N	111	3381	20	64	0	-48	16	62.8	24.0	5.5	0.0	86.8	1
1O	111	3381	-14	-69	0	35	-11	62.8	17.1	5.9	0.0	79.9	1
1P	111	3381	20	-69	0	35	16	62.8	20.7	5.9	0.0	83.5	1
2	111	-442	28	-28	0	27	22	8.2	23.8	2.3	0.0	32.0	1
7	111	-245	23	-24	0	17	18	4.6	18.0	2.1	0.0	22.5	1
8	111	-596	21	-25	0	32	17	11.1	21.0	2.1	0.0	32.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8137	39	18	23	23	14	1.03	1.00	179.6	
1B	-8137	39	16	23	23	14	1.03	1.00	178.0	
1C	-8137	38	18	23	23	14	1.03	1.00	179.3	
1D	-8137	38	16	23	23	14	1.03	1.00	177.8	
1E	7851	39	18	23	23	14	1.00	1.00	169.7	
1F	7851	39	16	23	23	14	1.00	1.00	168.1	
1G	7851	38	18	23	23	14	1.00	1.00	169.4	
1H	7851	38	16	23	23	14	1.00	1.00	167.9	
1I	-3667	19	5	23	23	14	1.03	1.00	78.7	
1J	-3667	19	6	23	23	14	1.03	1.00	79.8	
1K	-3667	19	5	23	23	14	1.03	1.00	78.7	
1L	-3667	19	6	23	23	14	1.03	1.00	79.8	
1M	3381	19	5	23	23	14	1.00	1.00	71.3	
1N	3381	19	6	23	23	14	1.00	1.00	72.4	
1O	3381	19	5	23	23	14	1.00	1.00	71.3	
1P	3381	19	6	23	23	14	1.00	1.00	72.5	
2	-503	11	10	23	23	14	1.03	1.00	20.0	
7	-306	7	8	23	23	14	1.03	1.00	13.6	
8	-657	17	8	23	23	14	1.03	1.00	22.6	

ASTA NUM. 225 NI 713 NF 714 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1759	-7	66	0	30	10	32.7	15.4	5.6	0.0	48.1	1	
1B	0	-1759	6	66	0	30	-11	32.7	15.9	5.6	0.0	48.6	1	
1C	0	-1759	-7	-46	0	-40	10	32.7	17.8	3.9	0.0	50.5	1	
1D	0	-1759	6	-46	0	-40	-11	32.7	18.3	3.9	0.0	51.0	1	
1E	0	1863	-7	66	0	30	10	34.6	15.4	5.6	0.0	50.0	1	
1F	0	1863	6	66	0	30	-11	34.6	15.9	5.6	0.0	50.5	1	
1G	0	1863	-7	-46	0	-40	10	34.6	17.8	3.9	0.0	52.5	1	
1H	0	1863	6	-46	0	-40	-11	34.6	18.3	3.9	0.0	53.0	1	
1I	0	-790	-9	55	0	15	11	14.7	12.2	4.7	0.0	26.9	1	
1J	0	-790	9	55	0	15	-12	14.7	12.7	4.7	0.0	27.4	1	
1K	0	-790	-9	-35	0	-25	11	14.7	14.7	3.0	0.0	29.4	1	
1L	0	-790	9	-35	0	-25	-12	14.7	15.2	3.0	0.0	29.8	1	
1M	0	893	-9	55	0	15	11	16.6	12.2	4.7	0.0	28.8	1	
1N	0	893	9	55	0	15	-12	16.6	12.7	4.7	0.0	29.3	1	
1O	0	893	-9	-35	0	-25	11	16.6	14.7	3.0	0.0	31.3	1	
1P	0	893	9	-35	0	-25	-12	16.6	15.2	3.0	0.0	31.8	1	
2	0	-290	-9	-10	0	15	11	5.4	12.3	0.9	0.0	17.7	1	
7	0	-202	-9	-8	0	7	10	3.8	9.3	0.7	0.0	13.1	1	
8	0	-418	-5	-9	0	20	8	7.8	10.9	0.7	0.0	18.7	1	
1A	55	-1736	-7	66	0	-8	11	32.3	9.8	5.6	0.0	42.1	1	
1B	55	-1736	6	66	0	-8	-12	32.3	10.6	5.6	0.0	42.9	1	
1C	55	-1736	-7	-46	0	-13	11	32.3	11.3	3.9	0.0	43.6	1	
1D	55	-1736	6	-46	0	-13	-12	32.3	12.1	3.9	0.0	44.3	1	
1E	55	1886	-7	66	0	-8	11	35.1	9.8	5.6	0.0	44.9	1	
1F	55	1886	6	66	0	-8	-12	35.1	10.6	5.6	0.0	45.7	1	
1G	55	1886	-7	-46	0	-13	11	35.1	11.3	3.9	0.0	46.4	1	
1H	55	1886	6	-46	0	-13	-12	35.1	12.1	3.9	0.0	47.1	1	
1I	55	-766	-9	55	0	-18	7	14.2	10.2	4.7	0.0	24.4	1	
1J	55	-766	9	55	0	-18	-8	14.2	11.0	4.7	0.0	25.2	1	
1K	55	-766	-9	-35	0	-3	7	14.2	6.2	3.0	0.0	20.4	1	
1L	55	-766	9	-35	0	-3	-8	14.2	6.9	3.0	0.0	21.2	1	
1M	55	917	-9	55	0	-18	7	17.0	10.2	4.7	0.0	27.2	1	
1N	55	917	9	55	0	-18	-8	17.0	11.0	4.7	0.0	28.0	1	
1O	55	917	-9	-35	0	-3	7	17.0	6.2	3.0	0.0	23.2	1	
1P	55	917	9	-35	0	-3	-8	17.0	6.9	3.0	0.0	24.0	1	
2	55	-260	-9	-1	0	18	6	4.8	9.3	0.3	0.0	14.1	1	
7	55	-172	-9	-2	0	10	5	3.2	6.5	0.3	0.0	9.7	1	
8	55	-388	-5	0	0	23	5	7.2	9.4	0.2	0.0	16.6	1	
1A	111	-1713	-7	66	0	-45	11	31.8	19.9	5.6	0.0	51.7	1	
1B	111	-1713	6	66	0	-45	-12	31.8	20.9	5.6	0.0	52.8	1	
1C	111	-1713	-7	-46	0	13	11	31.8	11.7	3.9	0.0	43.5	1	
1D	111	-1713	6	-46	0	13	-12	31.8	12.7	3.9	0.0	44.6	1	
1E	111	1910	-7	66	0	-45	11	35.5	19.9	5.6	0.0	55.4	1	
1F	111	1910	6	66	0	-45	-12	35.5	20.9	5.6	0.0	56.4	1	
1G	111	1910	-7	-46	0	13	11	35.5	11.7	3.9	0.0	47.2	1	
1H	111	1910	6	-46	0	13	-12	35.5	12.7	3.9	0.0	48.2	1	
1I	111	-743	-9	55	0	-52	4	13.8	16.2	4.7	0.0	30.0	1	
1J	111	-743	9	55	0	-52	-5	13.8	17.2	4.7	0.0	31.0	1	
1K	111	-743	-9	-35	0	20	4	13.8	8.0	3.0	0.0	21.8	1	

1L	111	-743	9	-35	0	20	-5	13.8	9.0	3.0	0.0	22.8	1
1M	111	940	-9	55	0	-52	4	17.5	16.2	4.7	0.0	33.6	1
1N	111	940	9	55	0	-52	-5	17.5	17.2	4.7	0.0	34.7	1
1O	111	940	-9	-35	0	20	4	17.5	8.0	3.0	0.0	25.4	1
1P	111	940	9	-35	0	20	-5	17.5	9.0	3.0	0.0	26.5	1
2	111	-229	-9	8	0	16	1	4.3	5.0	0.7	0.0	9.2	1
7	111	-142	-9	4	0	10	0	2.6	2.7	0.4	0.0	5.4	1
8	111	-358	-5	10	0	20	2	6.7	6.5	0.8	0.0	13.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1759	18	11	23	23	14	1.03	1.00	46.3	
1B	-1759	18	12	23	23	14	1.03	1.00	47.1	
1C	-1759	19	11	23	23	14	1.03	1.00	46.4	
1D	-1759	19	12	23	23	14	1.03	1.00	47.3	
1E	1910	18	11	23	23	14	1.00	1.00	48.1	
1F	1910	18	12	23	23	14	1.00	1.00	49.0	
1G	1910	19	11	23	23	14	1.00	1.00	48.2	
1H	1910	19	12	23	23	14	1.00	1.00	49.1	
1I	-790	25	8	23	23	14	1.03	1.00	27.6	
1J	-790	25	9	23	23	14	1.03	1.00	28.3	
1K	-790	10	8	23	23	14	1.03	1.00	23.8	
1L	-790	10	9	23	23	14	1.03	1.00	24.5	
1M	940	25	8	23	23	14	1.00	1.00	29.9	
1N	940	25	9	23	23	14	1.00	1.00	30.6	
1O	940	10	8	23	23	14	1.00	1.00	26.1	
1P	940	10	9	23	23	14	1.00	1.00	26.8	
2	-290	16	7	23	23	14	1.03	1.00	15.0	
7	-202	9	6	23	23	14	1.03	1.00	10.7	
8	-418	20	5	23	23	14	1.03	1.00	17.2	

ASTA NUM. 226 NI 714 NF 715 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4297	-22	110	0	55	12	79.9	23.5	9.3	0.0	103.3	1	
1B	0	-4297	45	110	0	55	-24	79.9	32.3	9.3	0.0	112.1	1	
1C	0	-4297	-22	-97	0	-83	12	79.9	30.6	8.2	0.0	110.5	1	
1D	0	-4297	45	-97	0	-83	-24	79.9	39.4	8.2	0.0	119.3	1	
1E	0	4675	-22	110	0	55	12	86.9	23.5	9.3	0.0	110.4	1	
1F	0	4675	45	110	0	55	-24	86.9	32.3	9.3	0.0	119.2	1	
1G	0	4675	-22	-97	0	-83	12	86.9	30.6	8.2	0.0	117.5	1	
1H	0	4675	45	-97	0	-83	-24	86.9	39.4	8.2	0.0	126.3	1	
1I	0	-1824	-8	67	0	24	7	33.9	11.6	5.7	0.0	45.5	1	
1J	0	-1824	31	67	0	24	-19	33.9	20.4	5.7	0.0	54.3	1	
1K	0	-1824	-8	-54	0	-52	7	33.9	18.7	4.6	0.0	52.7	1	
1L	0	-1824	31	-54	0	-52	-19	33.9	27.6	4.6	0.0	61.5	1	
1M	0	2202	-8	67	0	24	7	40.9	11.6	5.7	0.0	52.5	1	
1N	0	2202	31	67	0	24	-19	40.9	20.4	5.7	0.0	61.3	1	
1O	0	2202	-8	-54	0	-52	7	40.9	18.7	4.6	0.0	59.7	1	
1P	0	2202	31	-54	0	-52	-19	40.9	27.6	4.6	0.0	68.5	1	
2	0	-468	53	1	0	13	-19	8.7	17.7	2.0	0.0	26.4	1	
7	0	-402	40	-4	0	6	-14	7.5	11.9	1.5	0.0	19.3	1	
8	0	-508	42	3	0	18	-16	9.4	16.5	1.6	0.0	26.0	1	
1A	55	-4274	-22	110	0	-12	-0	79.4	3.1	9.3	0.0	83.4	3	
1B	55	-4274	45	110	0	-12	1	79.4	3.8	9.3	0.0	83.5	3	
1C	55	-4274	-22	-97	0	-23	-0	79.4	6.1	8.2	0.0	85.8	3	
1D	55	-4274	45	-97	0	-23	1	79.4	6.8	8.2	0.0	86.2	1	
1E	55	4698	-22	110	0	-12	-0	87.3	3.1	9.3	0.0	91.2	3	
1F	55	4698	45	110	0	-12	1	87.3	3.8	9.3	0.0	91.2	3	
1G	55	4698	-22	-97	0	-23	-0	87.3	6.1	8.2	0.0	93.6	3	
1H	55	4698	45	-97	0	-23	1	87.3	6.8	8.2	0.0	94.1	1	
1I	55	-1801	-8	67	0	-32	3	33.5	10.2	5.7	0.0	43.7	1	
1J	55	-1801	31	67	0	-32	-2	33.5	9.5	5.7	0.0	43.0	1	
1K	55	-1801	-8	-54	0	-3	3	33.5	2.9	4.6	0.0	36.3	1	
1L	55	-1801	31	-54	0	-3	-2	33.5	2.2	4.6	0.0	35.6	1	
1M	55	2226	-8	67	0	-32	3	41.4	10.2	5.7	0.0	51.6	1	
1N	55	2226	31	67	0	-32	-2	41.4	9.5	5.7	0.0	50.9	1	
1O	55	2226	-8	-54	0	-3	3	41.4	2.9	4.6	0.0	44.2	1	
1P	55	2226	31	-54	0	-3	-2	41.4	2.2	4.6	0.0	43.5	1	
2	55	-437	53	10	0	10	10	8.1	10.2	2.0	0.0	18.3	1	
7	55	-371	40	2	0	6	8	6.9	7.7	1.5	0.0	14.6	1	
8	55	-478	42	12	0	14	7	8.9	9.1	1.6	0.0	18.0	1	
1A	111	-4250	-22	110	0	-79	-12	79.0	29.6	9.3	0.0	108.6	1	
1B	111	-4250	45	110	0	-79	26	79.0	39.8	9.3	0.0	118.8	1	
1C	111	-4250	-22	-97	0	36	-12	79.0	18.7	8.2	0.0	97.7	1	
1D	111	-4250	45	-97	0	36	26	79.0	28.9	8.2	0.0	107.9	1	
1E	111	4722	-22	110	0	-79	-12	87.8	29.6	9.3	0.0	117.4	1	
1F	111	4722	45	110	0	-79	26	87.8	39.8	9.3	0.0	127.6	1	
1G	111	4722	-22	-97	0	36	-12	87.8	18.7	8.2	0.0	106.4	1	
1H	111	4722	45	-97	0	36	26	87.8	28.9	8.2	0.0	116.6	1	
1I	111	-1778	-8	67	0	-88	-2	33.0	24.0	5.7	0.0	57.0	1	
1J	111	-1778	31	67	0	-88	15	33.0	34.2	5.7	0.0	67.2	1	
1K	111	-1778	-8	-54	0	45	-2	33.0	13.0	4.6	0.0	46.1	1	
1L	111	-1778	31	-54	0	45	15	33.0	23.2	4.6	0.0	56.3	1	

1M	111	2249	-8	67	0	-88	-2	41.8	24.0	5.7	0.0	65.8	1
1N	111	2249	31	67	0	-88	15	41.8	34.2	5.7	0.0	76.0	1
1O	111	2249	-8	-54	0	45	-2	41.8	13.0	4.6	0.0	54.8	1
1P	111	2249	31	-54	0	45	15	41.8	23.2	4.6	0.0	65.0	1
2	111	-407	53	19	0	2	40	7.6	30.3	2.0	0.0	37.8	1
7	111	-341	40	9	0	3	30	6.3	23.4	1.5	0.0	29.7	1
8	111	-447	42	21	0	5	31	8.3	24.1	1.8	0.0	32.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4297	32	5	23	23	14	1.03	1.00	94.1	
1B	-4297	32	10	23	23	14	1.03	1.00	98.2	
1C	-4297	35	5	23	23	14	1.03	1.00	95.1	
1D	-4297	35	10	23	23	14	1.03	1.00	99.2	
1E	4722	32	5	23	23	14	1.00	1.00	99.6	
1F	4722	32	10	23	23	14	1.00	1.00	103.7	
1G	4722	35	5	23	23	14	1.00	1.00	100.6	
1H	4722	35	10	23	23	14	1.00	1.00	104.7	
1I	-1824	43	4	23	23	14	1.03	1.00	48.7	
1J	-1824	43	8	23	23	14	1.03	1.00	51.7	
1K	-1824	21	4	23	23	14	1.03	1.00	43.0	
1L	-1824	21	8	23	23	14	1.03	1.00	46.0	
1M	2249	43	4	23	23	14	1.00	1.00	55.6	
1N	2249	43	8	23	23	14	1.00	1.00	58.6	
1O	2249	21	4	23	23	14	1.00	1.00	49.8	
1P	2249	21	8	23	23	14	1.00	1.00	52.8	
2	-468	8	16	23	23	14	1.03	1.00	23.2	
7	-402	5	13	23	23	14	1.03	1.00	18.3	
8	-508	13	12	23	23	14	1.03	1.00	22.2	

ASTA NUM. 227 NI 715 NF 716 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1140	-68	50	0	17	17	21.2	17.2	4.2	0.0	38.4	1	
1B	0	-1140	32	50	0	17	-1	21.2	5.0	4.2	0.0	26.2	1	
1C	0	-1140	-68	-57	0	-60	17	21.2	28.2	4.9	0.0	49.4	1	
1D	0	-1140	32	-57	0	-60	-1	21.2	15.9	4.9	0.0	37.1	1	
1E	0	1668	-68	50	0	17	17	31.0	17.2	4.2	0.0	48.2	1	
1F	0	1668	32	50	0	17	-1	31.0	5.0	4.2	0.0	36.0	1	
1G	0	1668	-68	-57	0	-60	17	31.0	28.2	4.9	0.0	59.2	1	
1H	0	1668	32	-57	0	-60	-1	31.0	15.9	4.9	0.0	46.9	1	
1I	0	-1332	-51	56	0	40	13	24.8	19.6	4.8	0.0	44.4	1	
1J	0	-1332	15	56	0	40	4	24.8	13.1	4.8	0.0	37.8	1	
1K	0	-1332	-51	-64	0	-82	13	24.8	30.6	5.4	0.0	55.3	1	
1L	0	-1332	15	-64	0	-82	4	24.8	24.0	5.4	0.0	48.8	1	
1M	0	1860	-51	56	0	40	13	34.6	19.6	4.8	0.0	54.2	1	
1N	0	1860	15	56	0	40	4	34.6	13.1	4.8	0.0	47.6	1	
1O	0	1860	-51	-64	0	-82	13	34.6	30.6	5.4	0.0	65.2	1	
1P	0	1860	15	-64	0	-82	4	34.6	24.0	5.4	0.0	58.6	1	
2	0	-547	-55	-32	0	8	36	10.2	28.8	2.7	0.0	39.0	1	
7	0	-510	-42	-33	0	7	29	9.5	23.4	2.8	0.0	32.9	1	
8	0	-532	-45	-19	0	12	27	9.9	23.5	1.7	0.0	33.4	1	
1A	55	-1117	-68	50	0	30	-21	20.8	23.6	4.2	0.0	44.3	1	
1B	55	-1117	32	50	0	30	17	20.8	20.8	4.2	0.0	41.5	1	
1C	55	-1117	-68	-57	0	-68	-21	20.8	33.4	4.9	0.0	54.2	1	
1D	55	-1117	32	-57	0	-68	17	20.8	30.6	4.9	0.0	51.4	1	
1E	55	1692	-68	50	0	30	-21	31.4	23.6	4.2	0.0	55.0	1	
1F	55	1692	32	50	0	30	17	31.4	20.8	4.2	0.0	52.2	1	
1G	55	1692	-68	-57	0	-68	-21	31.4	33.4	4.9	0.0	64.9	1	
1H	55	1692	32	-57	0	-68	17	31.4	30.6	4.9	0.0	62.1	1	
1I	55	-1309	-51	56	0	69	-17	24.3	30.7	4.8	0.0	55.0	1	
1J	55	-1309	15	56	0	69	13	24.3	27.9	4.8	0.0	52.2	1	
1K	55	-1309	-51	-64	0	-108	-17	24.3	40.6	5.4	0.0	64.9	1	
1L	55	-1309	15	-64	0	-108	13	24.3	37.7	5.4	0.0	62.1	1	
1M	55	1884	-51	56	0	69	-17	35.0	30.7	4.8	0.0	65.7	1	
1N	55	1884	15	56	0	69	13	35.0	27.9	4.8	0.0	62.9	1	
1O	55	1884	-51	-64	0	-108	-17	35.0	40.6	5.4	0.0	75.6	1	
1P	55	1884	15	-64	0	-108	13	35.0	37.7	5.4	0.0	72.7	1	
2	55	-516	-55	-23	0	23	5	9.6	9.9	2.1	0.0	19.5	1	
7	55	-480	-42	-27	0	24	5	8.9	10.2	2.3	0.0	19.1	1	
8	55	-501	-45	-10	0	20	2	9.3	6.7	1.7	0.0	16.1	1	
1A	111	-1094	-68	50	0	43	-59	20.3	55.6	4.2	0.0	76.0	1	
1B	111	-1094	32	50	0	43	36	20.3	37.7	4.2	0.0	58.0	1	
1C	111	-1094	-68	-57	0	-77	-59	20.3	64.4	4.9	0.0	84.7	1	
1D	111	-1094	32	-57	0	-77	36	20.3	46.4	4.9	0.0	66.8	1	
1E	111	1715	-68	50	0	43	-59	31.9	55.6	4.2	0.0	87.5	1	
1F	111	1715	32	50	0	43	36	31.9	37.7	4.2	0.0	69.6	1	
1G	111	1715	-68	-57	0	-77	-59	31.9	64.4	4.9	0.0	96.2	1	
1H	111	1715	32	-57	0	-77	36	31.9	46.4	4.9	0.0	78.3	1	
1I	111	-1285	-51	56	0	99	-47	23.9	60.6	4.8	0.0	84.5	1	
1J	111	-1285	15	56	0	99	23	23.9	42.7	4.8	0.0	66.6	1	
1K	111	-1285	-51	-64	0	-133	-47	23.9	69.4	5.4	0.0	93.2	1	
1L	111	-1285	15	-64	0	-133	23	23.9	51.4	5.4	0.0	75.3	1	
1M	111	1907	-51	56	0	99	-47	35.4	60.6	4.8	0.0	96.1	1	

1N	111	1907	15	56	0	99	23	35.4	42.7	4.8	0.0	78.1	1
1O	111	1907	-51	-64	0	-133	-47	35.4	69.4	5.4	0.0	104.8	1
1P	111	1907	15	-64	0	-133	23	35.4	51.4	5.4	0.0	86.9	1
2	111	-486	-55	-13	0	33	-25	9.0	27.4	2.1	0.0	36.5	1
7	111	-449	-42	-21	0	37	-18	8.4	23.0	1.7	0.0	31.4	1
8	111	-471	-45	-1	0	22	-23	8.8	22.8	1.7	0.0	31.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1140	33	29	23	23	14	1.03	1.00	51.8	
1B	-1140	33	21	23	23	14	1.03	1.00	46.0	
1C	-1140	70	29	23	23	14	1.03	1.00	61.5	
1D	-1140	70	21	23	23	14	1.03	1.00	55.6	
1E	1715	33	29	23	23	14	1.00	1.00	61.9	
1F	1715	33	21	23	23	14	1.00	1.00	56.0	
1G	1715	70	29	23	23	14	1.00	1.00	71.5	
1H	1715	70	21	23	23	14	1.00	1.00	65.7	
1I	-1332	75	23	23	23	14	1.03	1.00	62.2	
1J	-1332	75	15	23	23	14	1.03	1.00	56.4	
1K	-1332	113	23	23	23	14	1.03	1.00	71.8	
1L	-1332	113	15	23	23	14	1.03	1.00	66.0	
1M	1907	75	23	23	23	14	1.00	1.00	72.1	
1N	1907	75	15	23	23	14	1.00	1.00	66.3	
1O	1907	113	23	23	23	14	1.00	1.00	81.8	
1P	1907	113	15	23	23	14	1.00	1.00	75.9	
2	-547	23	14	23	23	14	1.03	1.00	27.2	
7	-510	25	12	23	23	14	1.03	1.00	24.8	
8	-532	18	11	23	23	14	1.03	1.00	23.0	

ASTA NUM. 228 NI 716 NF 717 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1711	-29	179	0	44	37	31.8	38.8	15.2	0.0	70.6	1	
1B	0	-1711	17	179	0	44	-25	31.8	29.9	15.2	0.0	61.7	1	
1C	0	-1711	-29	-274	0	-93	37	31.8	51.4	23.2	0.0	83.2	1	
1D	0	-1711	17	-274	0	-93	-25	31.8	42.5	23.2	0.0	74.3	1	
1E	0	1710	-29	179	0	44	37	31.8	38.8	15.2	0.0	70.6	1	
1F	0	1710	17	179	0	44	-25	31.8	29.9	15.2	0.0	61.7	1	
1G	0	1710	-29	-274	0	-93	37	31.8	51.4	23.2	0.0	83.2	1	
1H	0	1710	17	-274	0	-93	-25	31.8	42.5	23.2	0.0	74.3	1	
1I	0	-886	-26	202	0	111	29	16.5	50.5	17.1	0.0	67.0	1	
1J	0	-886	14	202	0	111	-18	16.5	41.7	17.1	0.0	58.1	1	
1K	0	-886	-26	-297	0	-160	29	16.5	63.1	25.1	0.0	79.6	1	
1L	0	-886	14	-297	0	-160	-18	16.5	54.3	25.1	0.0	70.7	1	
1M	0	885	-26	202	0	111	29	16.5	50.5	17.1	0.0	67.0	1	
1N	0	885	14	202	0	111	-18	16.5	41.7	17.1	0.0	58.1	1	
1O	0	885	-26	-297	0	-160	29	16.5	63.1	25.1	0.0	79.6	1	
1P	0	885	14	-297	0	-160	-18	16.5	54.3	25.1	0.0	70.7	1	
2	0	-306	-14	34	0	34	13	5.7	18.7	2.9	0.0	24.4	1	
7	0	-307	-14	41	0	37	14	5.7	20.1	3.4	0.0	25.8	1	
8	0	-258	-12	23	0	24	12	4.8	15.1	2.0	0.0	19.9	1	
1A	55	-1688	-29	179	0	-57	21	31.4	30.1	15.2	0.0	61.5	1	
1B	55	-1688	17	179	0	-57	-16	31.4	26.4	15.2	0.0	57.8	1	
1C	55	-1688	-29	-274	0	60	21	31.4	31.1	23.2	0.0	62.4	1	
1D	55	-1688	17	-274	0	60	-16	31.4	27.3	23.2	0.0	58.7	1	
1E	55	1734	-29	179	0	-57	21	32.2	30.1	15.2	0.0	62.4	1	
1F	55	1734	17	179	0	-57	-16	32.2	26.4	15.2	0.0	58.6	1	
1G	55	1734	-29	-274	0	60	21	32.2	31.1	23.2	0.0	63.3	1	
1H	55	1734	17	-274	0	60	-16	32.2	27.3	23.2	0.0	59.6	1	
1I	55	-863	-26	202	0	-1	15	16.0	11.8	17.1	0.0	33.8	4	
1J	55	-863	14	202	0	-1	-10	16.0	8.0	17.1	0.0	33.8	4	
1K	55	-863	-26	-297	0	5	15	16.0	12.7	25.1	0.0	46.5	4	
1L	55	-863	14	-297	0	5	-10	16.0	9.0	25.1	0.0	46.5	4	
1M	55	909	-26	202	0	-1	15	16.9	11.8	17.1	0.0	34.3	4	
1N	55	909	14	202	0	-1	-10	16.9	8.0	17.1	0.0	34.2	4	
1O	55	909	-26	-297	0	5	15	16.9	12.7	25.1	0.0	46.9	4	
1P	55	909	14	-297	0	5	-10	16.9	9.0	25.1	0.0	46.8	4	
2	55	-275	-14	43	0	13	6	5.1	7.5	3.7	0.0	12.6	1	
7	55	-276	-14	47	0	13	6	5.1	7.9	4.0	0.0	13.0	1	
8	55	-228	-12	32	0	9	5	4.2	6.0	2.7	0.0	10.3	1	
1A	111	-1664	-29	179	0	-157	5	30.9	44.2	15.2	0.0	75.1	1	
1B	111	-1664	17	179	0	-157	-7	30.9	45.6	15.2	0.0	76.5	1	
1C	111	-1664	-29	-274	0	213	5	30.9	58.7	23.2	0.0	89.6	1	
1D	111	-1664	17	-274	0	213	-7	30.9	60.1	23.2	0.0	91.0	1	
1E	111	1757	-29	179	0	-157	5	32.7	44.2	15.2	0.0	76.9	1	
1F	111	1757	17	179	0	-157	-7	32.7	45.6	15.2	0.0	78.3	1	
1G	111	1757	-29	-274	0	213	5	32.7	58.7	23.2	0.0	91.3	1	
1H	111	1757	17	-274	0	213	-7	32.7	60.1	23.2	0.0	92.7	1	
1I	111	-839	-26	202	0	-113	1	15.6	30.1	17.1	0.0	49.3	3	
1J	111	-839	14	202	0	-113	-3	15.6	31.5	17.1	0.0	49.3	3	
1K	111	-839	-26	-297	0	169	1	15.6	44.6	25.1	0.0	66.9	3	
1L	111	-839	14	-297	0	169	-3	15.6	46.0	25.1	0.0	66.9	3	
1M	111	932	-26	202	0	-113	1	17.3	30.1	17.1	0.0	50.7	3	
1N	111	932	14	202	0	-113	-3	17.3	31.5	17.1	0.0	50.7	3	

1O	111	932	-26	-297	0	169	1	17.3	44.6	25.1	0.0	68.3	3
1P	111	932	14	-297	0	169	-3	17.3	46.0	25.1	0.0	68.3	3
2	111	-245	-14	52	0	-14	-2	4.6	5.1	4.4	0.0	10.4	3
7	111	-246	-14	53	0	-15	-2	4.6	5.2	4.5	0.0	10.6	3
8	111	-197	-12	41	0	-12	-2	3.7	4.3	3.5	0.0	8.4	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1711	77	24	23	23	14	1.03	1.00	70.5	
1B	-1711	77	18	23	23	14	1.03	1.00	65.7	
1C	-1711	91	24	23	23	14	1.03	1.00	74.1	
1D	-1711	91	18	23	23	14	1.03	1.00	69.4	
1E	1757	77	24	23	23	14	1.00	1.00	70.3	
1F	1757	77	18	23	23	14	1.00	1.00	65.6	
1G	1757	91	24	23	23	14	1.00	1.00	74.0	
1H	1757	91	18	23	23	14	1.00	1.00	69.2	
1I	-886	45	18	23	23	14	1.03	1.00	42.2	
1J	-886	45	12	23	23	14	1.03	1.00	37.5	
1K	-886	68	18	23	23	14	1.03	1.00	48.0	
1L	-886	68	12	23	23	14	1.03	1.00	43.2	
1M	932	45	18	23	23	14	1.00	1.00	42.6	
1N	932	45	12	23	23	14	1.00	1.00	37.8	
1O	932	68	18	23	23	14	1.00	1.00	48.3	
1P	932	68	12	23	23	14	1.00	1.00	43.6	
2	-306	15	7	23	23	14	1.03	1.00	15.1	
7	-307	17	8	23	23	14	1.03	1.00	15.8	
8	-258	10	6	23	23	14	1.03	1.00	12.3	

ASTA NUM. 229 NI 701 NF 702 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8218	-11	261	0	236	31	152.8	84.0	22.1	0.0	236.7	1	
1B	0	-8218	17	261	0	236	-29	152.8	82.1	22.1	0.0	234.8	1	
1C	0	-8218	-11	-216	0	-199	31	152.8	74.7	18.3	0.0	227.5	1	
1D	0	-8218	17	-216	0	-199	-29	152.8	72.8	18.3	0.0	225.6	1	
1E	0	7137	-11	261	0	236	31	132.7	84.0	22.1	0.0	216.6	1	
1F	0	7137	17	261	0	236	-29	132.7	82.1	22.1	0.0	214.7	1	
1G	0	7137	-11	-216	0	-199	31	132.7	74.7	18.3	0.0	207.4	1	
1H	0	7137	17	-216	0	-199	-29	132.7	72.8	18.3	0.0	205.5	1	
1I	0	-3847	-7	146	0	168	13	71.5	52.7	12.4	0.0	124.2	1	
1J	0	-3847	13	146	0	168	-10	71.5	50.8	12.4	0.0	122.3	1	
1K	0	-3847	-7	-101	0	-132	13	71.5	43.4	8.6	0.0	114.9	1	
1L	0	-3847	13	-101	0	-132	-10	71.5	41.5	8.6	0.0	113.0	1	
1M	0	2765	-7	146	0	168	13	51.4	52.7	12.4	0.0	104.1	1	
1N	0	2765	13	146	0	168	-10	51.4	50.8	12.4	0.0	102.2	1	
1O	0	2765	-7	-101	0	-132	13	51.4	43.4	8.6	0.0	94.8	1	
1P	0	2765	13	-101	0	-132	-10	51.4	41.5	8.6	0.0	92.9	1	
2	0	-3140	14	-102	0	-73	6	58.4	23.0	8.6	0.0	81.3	1	
7	0	-2637	10	-70	0	-59	5	49.0	18.5	5.9	0.0	67.5	1	
8	0	-2813	12	-102	0	-65	5	52.3	20.7	8.6	0.0	72.9	1	
1A	55	-8195	-11	261	0	82	40	152.3	51.0	22.1	0.0	203.4	1	
1B	55	-8195	17	261	0	82	-34	152.3	46.7	22.1	0.0	199.1	1	
1C	55	-8195	-11	-216	0	-71	40	152.3	48.2	18.3	0.0	200.5	1	
1D	55	-8195	17	-216	0	-71	-34	152.3	43.9	18.3	0.0	196.2	1	
1E	55	7160	-11	261	0	82	40	133.1	51.0	22.1	0.0	184.1	1	
1F	55	7160	17	261	0	82	-34	133.1	46.7	22.1	0.0	179.8	1	
1G	55	7160	-11	-216	0	-71	40	133.1	48.2	18.3	0.0	181.2	1	
1H	55	7160	17	-216	0	-71	-34	133.1	43.9	18.3	0.0	176.9	1	
1I	55	-3824	-7	146	0	104	17	71.1	39.8	12.4	0.0	110.9	1	
1J	55	-3824	13	146	0	104	-12	71.1	35.5	12.4	0.0	106.6	1	
1K	55	-3824	-7	-101	0	-93	17	71.1	36.9	8.6	0.0	108.0	1	
1L	55	-3824	13	-101	0	-93	-12	71.1	32.6	8.6	0.0	103.7	1	
1M	55	2789	-7	146	0	104	17	51.8	39.8	12.4	0.0	91.6	1	
1N	55	2789	13	146	0	104	-12	51.8	35.5	12.4	0.0	87.3	1	
1O	55	2789	-7	-101	0	-93	17	51.8	36.9	8.6	0.0	88.8	1	
1P	55	2789	13	-101	0	-93	-12	51.8	32.6	8.6	0.0	84.4	1	
2	55	-3110	14	-38	0	-35	13	57.8	18.9	3.2	0.0	76.7	1	
7	55	-2606	10	-25	0	-32	10	48.4	15.9	2.2	0.0	64.4	1	
8	55	-2782	12	-38	0	-27	12	51.7	15.8	3.2	0.0	67.5	1	
1A	111	-8172	-11	261	0	-72	49	151.9	55.1	22.1	0.0	206.9	1	
1B	111	-8172	17	261	0	-72	-40	151.9	48.3	22.1	0.0	200.2	1	
1C	111	-8172	-11	-216	0	58	49	151.9	51.6	18.3	0.0	203.5	1	
1D	111	-8172	17	-216	0	58	-40	151.9	44.9	18.3	0.0	196.7	1	
1E	111	7184	-11	261	0	-72	49	133.5	55.1	22.1	0.0	188.6	1	
1F	111	7184	17	261	0	-72	-40	133.5	48.3	22.1	0.0	181.9	1	
1G	111	7184	-11	-216	0	58	49	133.5	51.6	18.3	0.0	185.1	1	
1H	111	7184	17	-216	0	58	-40	133.5	44.9	18.3	0.0	178.4	1	
1I	111	-3800	-7	146	0	41	22	70.6	26.9	12.4	0.0	97.6	1	
1J	111	-3800	13	146	0	41	-13	70.6	20.2	12.4	0.0	90.9	1	
1K	111	-3800	-7	-101	0	-54	22	70.6	30.4	8.6	0.0	101.1	1	
1L	111	-3800	13	-101	0	-54	-13	70.6	23.7	8.6	0.0	94.4	1	
1M	111	2812	-7	146	0	41	22	52.3	26.9	12.4	0.0	79.2	1	
1N	111	2812	13	146	0	41	-13	52.3	20.2	12.4	0.0	72.5	1	
1O	111	2812	-7	-101	0	-54	22	52.3	30.4	8.6	0.0	82.7	1	

1P	111	2812	13	-101	0	-54	-13	52.3	23.7	8.6	0.0	76.0	1
2	111	-3079	14	26	0	-31	21	57.2	23.9	2.2	0.0	81.1	1
7	111	-2576	10	19	0	-31	16	47.9	19.7	1.6	0.0	67.6	1
8	111	-2752	12	26	0	-24	19	51.2	20.1	2.2	0.0	71.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8218	113	42	23	23	14	1.03	1.00	217.8	
1B	-8218	113	35	23	23	14	1.03	1.00	213.0	
1C	-8218	96	42	23	23	14	1.03	1.00	213.6	
1D	-8218	96	35	23	23	14	1.03	1.00	208.8	
1E	7184	113	42	23	23	14	1.00	1.00	193.8	
1F	7184	113	35	23	23	14	1.00	1.00	189.0	
1G	7184	96	42	23	23	14	1.00	1.00	189.6	
1H	7184	96	35	23	23	14	1.00	1.00	184.8	
1I	-3847	117	18	23	23	14	1.03	1.00	117.5	
1J	-3847	117	12	23	23	14	1.03	1.00	112.7	
1K	-3847	101	18	23	23	14	1.03	1.00	113.3	
1L	-3847	101	12	23	23	14	1.03	1.00	108.5	
1M	2812	117	18	23	23	14	1.00	1.00	96.1	
1N	2812	117	12	23	23	14	1.00	1.00	91.3	
1O	2812	101	18	23	23	14	1.00	1.00	91.9	
1P	2812	101	12	23	23	14	1.00	1.00	87.1	
2	-3140	56	15	23	23	14	1.03	1.00	85.8	
7	-2637	47	11	23	23	14	1.03	1.00	71.2	
8	-2813	49	13	23	23	14	1.03	1.00	76.3	

ASTA NUM. 230 NI 702 NF 703 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8011	-9	219	0	104	49	148.9	63.5	18.6	0.0	212.4	1	
1B	0	-8011	14	219	0	104	-40	148.9	57.0	18.6	0.0	205.9	1	
1C	0	-8011	-9	-234	0	-111	49	148.9	65.5	19.9	0.0	214.4	1	
1D	0	-8011	14	-234	0	-111	-40	148.9	59.0	19.9	0.0	207.9	1	
1E	0	7002	-9	219	0	104	49	130.1	63.5	18.6	0.0	193.7	1	
1F	0	7002	14	219	0	104	-40	130.1	57.0	18.6	0.0	187.2	1	
1G	0	7002	-9	-234	0	-111	49	130.1	65.5	19.9	0.0	195.6	1	
1H	0	7002	14	-234	0	-111	-40	130.1	59.0	19.9	0.0	189.1	1	
1I	0	-3697	-8	80	0	72	20	68.7	33.4	6.8	0.0	102.2	1	
1J	0	-3697	13	80	0	72	-11	68.7	26.9	6.8	0.0	95.7	1	
1K	0	-3697	-8	-95	0	-79	20	68.7	35.4	8.0	0.0	104.1	1	
1L	0	-3697	13	-95	0	-79	-11	68.7	28.9	8.0	0.0	97.6	1	
1M	0	2688	-8	80	0	72	20	50.0	33.4	6.8	0.0	83.4	1	
1N	0	2688	13	80	0	72	-11	50.0	26.9	6.8	0.0	76.9	1	
1O	0	2688	-8	-95	0	-79	20	50.0	35.4	8.0	0.0	85.4	1	
1P	0	2688	13	-95	0	-79	-11	50.0	28.9	8.0	0.0	78.9	1	
2	0	-2919	15	-128	0	-71	17	54.3	31.0	10.8	0.0	85.3	1	
7	0	-2457	10	-95	0	-60	13	45.7	25.4	8.0	0.0	71.0	1	
8	0	-2597	13	-126	0	-62	15	48.3	27.3	10.6	0.0	75.6	1	
1A	55	-7987	-9	219	0	-28	57	148.5	49.6	18.6	0.0	198.1	1	
1B	55	-7987	14	219	0	-28	-45	148.5	40.8	18.6	0.0	189.3	1	
1C	55	-7987	-9	-234	0	29	57	148.5	49.8	19.9	0.0	198.2	1	
1D	55	-7987	14	-234	0	29	-45	148.5	41.0	19.9	0.0	189.4	1	
1E	55	7025	-9	219	0	-28	57	130.6	49.6	18.6	0.0	180.2	1	
1F	55	7025	14	219	0	-28	-45	130.6	40.8	18.6	0.0	171.4	1	
1G	55	7025	-9	-234	0	29	57	130.6	49.8	19.9	0.0	180.3	1	
1H	55	7025	14	-234	0	29	-45	130.6	41.0	19.9	0.0	171.6	1	
1I	55	-3674	-8	80	0	-7	26	68.3	21.6	6.8	0.0	89.9	1	
1J	55	-3674	13	80	0	-7	-15	68.3	12.8	6.8	0.0	81.1	1	
1K	55	-3674	-8	-95	0	8	26	68.3	21.8	8.0	0.0	90.1	1	
1L	55	-3674	13	-95	0	8	-15	68.3	13.0	8.0	0.0	81.3	1	
1M	55	2712	-8	80	0	-7	26	50.4	21.6	6.8	0.0	72.0	1	
1N	55	2712	13	80	0	-7	-15	50.4	12.8	6.8	0.0	63.2	1	
1O	55	2712	-8	-95	0	8	26	50.4	21.8	8.0	0.0	72.2	1	
1P	55	2712	13	-95	0	8	-15	50.4	13.0	8.0	0.0	63.4	1	
2	55	-2888	15	-64	0	-18	25	53.7	23.4	5.4	0.0	77.1	1	
7	55	-2426	10	-50	0	-20	19	45.1	19.3	4.2	0.0	64.4	1	
8	55	-2566	13	-62	0	-10	22	47.7	19.2	5.2	0.0	66.9	1	
1A	111	-7964	-9	219	0	-160	64	148.0	89.1	18.6	0.0	237.1	1	
1B	111	-7964	14	219	0	-160	-49	148.0	78.0	18.6	0.0	226.0	1	
1C	111	-7964	-9	-234	0	169	64	148.0	91.4	19.9	0.0	239.4	1	
1D	111	-7964	14	-234	0	169	-49	148.0	80.3	19.9	0.0	228.3	1	
1E	111	7048	-9	219	0	-160	64	131.0	89.1	18.6	0.0	220.1	1	
1F	111	7048	14	219	0	-160	-49	131.0	78.0	18.6	0.0	209.0	1	
1G	111	7048	-9	-234	0	169	64	131.0	91.4	19.9	0.0	222.4	1	
1H	111	7048	14	-234	0	169	-49	131.0	80.3	19.9	0.0	211.3	1	
1I	111	-3650	-8	80	0	-85	33	67.9	46.6	6.8	0.0	114.4	1	
1J	111	-3650	13	80	0	-85	-18	67.9	35.5	6.8	0.0	103.3	1	
1K	111	-3650	-8	-95	0	94	33	67.9	48.9	8.0	0.0	116.7	1	
1L	111	-3650	13	-95	0	94	-18	67.9	37.8	8.0	0.0	105.6	1	
1M	111	2735	-8	80	0	-85	33	50.8	46.6	6.8	0.0	97.4	1	
1N	111	2735	13	80	0	-85	-18	50.8	35.5	6.8	0.0	86.3	1	
1O	111	2735	-8	-95	0	94	33	50.8	48.9	8.0	0.0	99.7	1	
1P	111	2735	13	-95	0	94	-18	50.8	37.8	8.0	0.0	88.6	1	

2	111	-2858	15	-0	0	-0	33	53.1	24.9	0.5	0.0	78.0	1
7	111	-2396	10	-5	0	-5	25	44.5	19.6	0.4	0.0	64.1	1
8	111	-2536	13	2	0	6	29	47.1	23.4	0.5	0.0	70.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg		kg*m						kg/cmq	
1A	-8011	64	58	23	23	14	1.03	1.00	213.5	
1B	-8011	64	46	23	23	14	1.03	1.00	204.2	
1C	-8011	68	58	23	23	14	1.03	1.00	214.4	
1D	-8011	68	46	23	23	14	1.03	1.00	205.1	
1E	7048	64	58	23	23	14	1.00	1.00	191.0	
1F	7048	64	46	23	23	14	1.00	1.00	181.7	
1G	7048	68	58	23	23	14	1.00	1.00	191.9	
1H	7048	68	46	23	23	14	1.00	1.00	182.6	
1I	-3697	34	28	23	23	14	1.03	1.00	100.4	
1J	-3697	34	15	23	23	14	1.03	1.00	91.1	
1K	-3697	38	28	23	23	14	1.03	1.00	101.3	
1L	-3697	38	15	23	23	14	1.03	1.00	92.0	
1M	2735	34	28	23	23	14	1.00	1.00	80.4	
1N	2735	34	15	23	23	14	1.00	1.00	71.1	
1O	2735	38	28	23	23	14	1.00	1.00	81.3	
1P	2735	38	15	23	23	14	1.00	1.00	72.1	
2	-2919	43	27	23	23	14	1.03	1.00	86.9	
7	-2457	38	20	23	23	14	1.03	1.00	71.8	
8	-2597	35	24	23	23	14	1.03	1.00	76.3	

ASTA NUM. 231 NI 703 NF 704 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		kg			kg*m				kg/cmq				
1A	0	-5914	-11	162	0	124	71	109.9	85.1	13.7	0.0	195.0	1	
1B	0	-5914	11	162	0	124	-54	109.9	72.1	13.7	0.0	182.1	1	
1C	0	-5914	-11	-128	0	-110	71	109.9	81.6	10.8	0.0	191.5	1	
1D	0	-5914	11	-128	0	-110	-54	109.9	68.7	10.8	0.0	178.6	1	
1E	0	4671	-11	162	0	124	71	86.8	85.1	13.7	0.0	171.9	1	
1F	0	4671	11	162	0	124	-54	86.8	72.1	13.7	0.0	159.0	1	
1G	0	4671	-11	-128	0	-110	71	86.8	81.6	10.8	0.0	168.4	1	
1H	0	4671	11	-128	0	-110	-54	86.8	68.7	10.8	0.0	155.5	1	
1I	0	-2450	-13	107	0	93	33	45.5	48.5	9.1	0.0	94.1	1	
1J	0	-2450	13	107	0	93	-16	45.5	35.6	9.1	0.0	81.2	1	
1K	0	-2450	-13	-73	0	-80	33	45.5	45.1	6.2	0.0	90.6	1	
1L	0	-2450	13	-73	0	-80	-16	45.5	32.1	6.2	0.0	77.7	1	
1M	0	1208	-13	107	0	93	33	22.4	48.5	9.1	0.0	71.0	1	
1N	0	1208	13	107	0	93	-16	22.4	35.6	9.1	0.0	58.1	1	
1O	0	1208	-13	-73	0	-80	33	22.4	45.1	6.2	0.0	67.5	1	
1P	0	1208	13	-73	0	-80	-16	22.4	32.1	6.2	0.0	54.6	1	
2	0	-1215	4	-92	0	-31	34	22.6	33.2	7.8	0.0	55.8	1	
7	0	-1149	2	-65	0	-28	26	21.4	26.4	5.5	0.0	47.8	1	
8	0	-957	3	-91	0	-23	30	17.8	28.2	7.7	0.0	46.0	1	
1A	55	-5890	-11	162	0	33	68	109.5	59.6	13.7	0.0	169.1	1	
1B	55	-5890	11	162	0	33	-51	109.5	46.8	13.7	0.0	156.3	1	
1C	55	-5890	-11	-128	0	-39	68	109.5	61.0	10.8	0.0	170.5	1	
1D	55	-5890	11	-128	0	-39	-51	109.5	48.2	10.8	0.0	157.7	1	
1E	55	4695	-11	162	0	33	68	87.3	59.6	13.7	0.0	146.9	1	
1F	55	4695	11	162	0	33	-51	87.3	46.8	13.7	0.0	134.0	1	
1G	55	4695	-11	-128	0	-39	68	87.3	61.0	10.8	0.0	148.2	1	
1H	55	4695	11	-128	0	-39	-51	87.3	48.2	10.8	0.0	135.4	1	
1I	55	-2427	-13	107	0	32	36	45.1	35.3	9.1	0.0	80.4	1	
1J	55	-2427	13	107	0	32	-19	45.1	22.5	9.1	0.0	67.6	1	
1K	55	-2427	-13	-73	0	-37	36	45.1	36.7	6.2	0.0	81.8	1	
1L	55	-2427	13	-73	0	-37	-19	45.1	23.9	6.2	0.0	69.0	1	
1M	55	1231	-13	107	0	32	36	22.9	35.3	9.1	0.0	58.2	1	
1N	55	1231	13	107	0	32	-19	22.9	22.5	9.1	0.0	45.3	1	
1O	55	1231	-13	-73	0	-37	36	22.9	36.7	6.2	0.0	59.6	1	
1P	55	1231	13	-73	0	-37	-19	22.9	23.9	6.2	0.0	46.7	1	
2	55	-1184	4	-28	0	3	36	22.0	27.8	2.4	0.0	49.8	1	
7	55	-1118	2	-20	0	-4	27	20.8	21.0	1.7	0.0	41.8	1	
8	55	-926	3	-27	0	9	32	17.2	26.1	2.3	0.0	43.3	1	
1A	111	-5867	-11	162	0	-57	65	109.1	63.4	13.7	0.0	172.5	1	
1B	111	-5867	11	162	0	-57	-48	109.1	50.7	13.7	0.0	159.8	1	
1C	111	-5867	-11	-128	0	33	65	109.1	57.2	10.8	0.0	166.2	1	
1D	111	-5867	11	-128	0	33	-48	109.1	44.5	10.8	0.0	153.5	1	
1E	111	4718	-11	162	0	-57	65	87.7	63.4	13.7	0.0	151.1	1	
1F	111	4718	11	162	0	-57	-48	87.7	50.7	13.7	0.0	138.4	1	
1G	111	4718	-11	-128	0	33	65	87.7	57.2	10.8	0.0	144.9	1	
1H	111	4718	11	-128	0	33	-48	87.7	44.5	10.8	0.0	132.2	1	
1I	111	-2404	-13	107	0	-29	40	44.7	37.2	9.1	0.0	81.8	1	
1J	111	-2404	13	107	0	-29	-23	44.7	24.5	9.1	0.0	69.1	1	
1K	111	-2404	-13	-73	0	5	40	44.7	30.9	6.2	0.0	75.6	1	
1L	111	-2404	13	-73	0	5	-23	44.7	18.2	6.2	0.0	62.9	1	
1M	111	1254	-13	107	0	-29	40	23.3	37.2	9.1	0.0	60.5	1	
1N	111	1254	13	107	0	-29	-23	23.3	24.5	9.1	0.0	47.8	1	
1O	111	1254	-13	-73	0	5	40	23.3	30.9	6.2	0.0	54.2	1	
1P	111	1254	13	-73	0	5	-23	23.3	18.2	6.2	0.0	41.5	1	
2	111	-1154	4	36	0	0	39	21.4	29.0	3.0	0.0	50.5	1	

7	111	-1088	2	24	0	-5	28	20.2	22.1	2.1	0.0	42.3	1
8	111	-896	3	37	0	7	34	16.7	26.8	3.1	0.0	43.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5914	51	69	23	23	14	1.03	1.00	178.1	
1B	-5914	51	52	23	23	14	1.03	1.00	165.2	
1C	-5914	53	69	23	23	14	1.03	1.00	178.5	
1D	-5914	53	52	23	23	14	1.03	1.00	165.6	
1E	4718	51	69	23	23	14	1.00	1.00	152.4	
1F	4718	51	52	23	23	14	1.00	1.00	139.5	
1G	4718	53	69	23	23	14	1.00	1.00	152.8	
1H	4718	53	52	23	23	14	1.00	1.00	140.0	
1I	-2450	44	37	23	23	14	1.03	1.00	85.9	
1J	-2450	44	20	23	23	14	1.03	1.00	73.1	
1K	-2450	46	37	23	23	14	1.03	1.00	86.3	
1L	-2450	46	20	23	23	14	1.03	1.00	73.5	
1M	1254	44	37	23	23	14	1.00	1.00	62.2	
1N	1254	44	20	23	23	14	1.00	1.00	49.5	
1O	1254	46	37	23	23	14	1.00	1.00	62.7	
1P	1254	46	20	23	23	14	1.00	1.00	49.9	
2	-1215	18	37	23	23	14	1.03	1.00	55.4	
7	-1149	19	27	23	23	14	1.03	1.00	47.0	
8	-957	11	32	23	23	14	1.03	1.00	45.2	

ASTA NUM. 232 NI 704 NF 705 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5717	-21	156	0	77	78	106.3	78.5	13.2	0.0	184.7	1	
1B	0	-5717	13	156	0	77	-56	106.3	61.9	13.2	0.0	168.2	1	
1C	0	-5717	-21	-163	0	-96	78	106.3	83.4	13.8	0.0	189.6	1	
1D	0	-5717	13	-163	0	-96	-56	106.3	66.8	13.8	0.0	173.1	1	
1E	0	4550	-21	156	0	77	78	84.6	78.5	13.2	0.0	163.0	1	
1F	0	4550	13	156	0	77	-56	84.6	61.9	13.2	0.0	146.5	1	
1G	0	4550	-21	-163	0	-96	78	84.6	83.4	13.8	0.0	167.9	1	
1H	0	4550	13	-163	0	-96	-56	84.6	66.8	13.8	0.0	151.4	1	
1I	0	-2356	-17	63	0	29	44	43.8	40.8	5.4	0.0	84.6	1	
1J	0	-2356	9	63	0	29	-22	43.8	24.3	5.4	0.0	68.1	1	
1K	0	-2356	-17	-70	0	-48	44	43.8	45.7	5.9	0.0	89.5	1	
1L	0	-2356	9	-70	0	-48	-22	43.8	29.2	5.9	0.0	73.0	1	
1M	0	1189	-17	63	0	29	44	22.1	40.8	5.4	0.0	62.9	1	
1N	0	1189	9	63	0	29	-22	22.1	24.3	5.4	0.0	46.4	1	
1O	0	1189	-17	-70	0	-48	44	22.1	45.7	5.9	0.0	67.8	1	
1P	0	1189	9	-70	0	-48	-22	22.1	29.2	5.9	0.0	51.3	1	
2	0	-1071	-8	-94	0	-20	45	19.9	39.0	8.0	0.0	58.9	1	
7	0	-1023	-8	-71	0	-21	33	19.0	30.2	6.1	0.0	49.2	1	
8	0	-818	-7	-92	0	-12	39	15.2	32.7	7.8	0.0	47.9	1	
1A	55	-5694	-21	156	0	-10	70	105.8	54.8	13.2	0.0	160.6	1	
1B	55	-5694	13	156	0	-10	-52	105.8	41.6	13.2	0.0	147.4	1	
1C	55	-5694	-21	-163	0	-5	70	105.8	53.4	13.8	0.0	159.2	1	
1D	55	-5694	13	-163	0	-5	-52	105.8	40.2	13.8	0.0	146.0	1	
1E	55	4573	-21	156	0	-10	70	85.0	54.8	13.2	0.0	139.8	1	
1F	55	4573	13	156	0	-10	-52	85.0	41.6	13.2	0.0	126.6	1	
1G	55	4573	-21	-163	0	-5	70	85.0	53.4	13.8	0.0	138.4	1	
1H	55	4573	13	-163	0	-5	-52	85.0	40.2	13.8	0.0	125.2	1	
1I	55	-2333	-17	63	0	-9	44	43.4	35.1	5.4	0.0	78.5	1	
1J	55	-2333	9	63	0	-9	-26	43.4	21.9	5.4	0.0	65.2	1	
1K	55	-2333	-17	-70	0	-7	44	43.4	34.6	5.9	0.0	78.0	1	
1L	55	-2333	9	-70	0	-7	-26	43.4	21.4	5.9	0.0	64.8	1	
1M	55	1212	-17	63	0	-9	44	22.5	35.1	5.4	0.0	57.6	1	
1N	55	1212	9	63	0	-9	-26	22.5	21.9	5.4	0.0	44.4	1	
1O	55	1212	-17	-70	0	-7	44	22.5	34.6	5.9	0.0	57.2	1	
1P	55	1212	9	-70	0	-7	-26	22.5	21.4	5.9	0.0	44.0	1	
2	55	-1041	-8	-31	0	15	41	19.3	34.5	2.6	0.0	53.9	1	
7	55	-992	-8	-27	0	6	29	18.4	23.2	2.3	0.0	41.6	1	
8	55	-787	-7	-28	0	21	35	14.6	31.8	2.3	0.0	46.5	1	
1A	111	-5671	-21	156	0	-98	61	105.4	70.7	13.2	0.0	176.1	1	
1B	111	-5671	13	156	0	-98	-48	105.4	60.8	13.2	0.0	166.2	1	
1C	111	-5671	-21	-163	0	86	61	105.4	67.6	13.8	0.0	173.0	1	
1D	111	-5671	13	-163	0	86	-48	105.4	57.7	13.8	0.0	163.1	1	
1E	111	4597	-21	156	0	-98	61	85.4	70.7	13.2	0.0	156.1	1	
1F	111	4597	13	156	0	-98	-48	85.4	60.8	13.2	0.0	146.2	1	
1G	111	4597	-21	-163	0	86	61	85.4	67.6	13.8	0.0	153.0	1	
1H	111	4597	13	-163	0	86	-48	85.4	57.7	13.8	0.0	143.1	1	
1I	111	-2310	-17	63	0	-47	43	42.9	44.4	5.4	0.0	87.4	1	
1J	111	-2310	9	63	0	-47	-30	42.9	34.5	5.4	0.0	77.5	1	
1K	111	-2310	-17	-70	0	35	43	42.9	41.3	5.9	0.0	84.3	1	
1L	111	-2310	9	-70	0	35	-30	42.9	31.5	5.9	0.0	74.4	1	
1M	111	1236	-17	63	0	-47	43	23.0	44.4	5.4	0.0	67.4	1	
1N	111	1236	9	63	0	-47	-30	23.0	34.5	5.4	0.0	57.5	1	
1O	111	1236	-17	-70	0	35	43	23.0	41.3	5.9	0.0	64.3	1	
1P	111	1236	9	-70	0	35	-30	23.0	31.5	5.9	0.0	54.4	1	
2	111	-1011	-8	33	0	14	37	18.8	31.1	2.8	0.0	49.8	1	
7	111	-962	-8	18	0	8	25	17.9	20.7	1.5	0.0	38.5	1	

8	111	-757	-7	36	0	18	31	14.1	28.2	3.1	0.0	42.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5717	39	71	23	23	14	1.03	1.00	173.1	
1B	-5717	39	53	23	23	14	1.03	1.00	159.2	
1C	-5717	38	71	23	23	14	1.03	1.00	172.9	
1D	-5717	38	53	23	23	14	1.03	1.00	159.0	
1E	4597	39	71	23	23	14	1.00	1.00	148.9	
1F	4597	39	53	23	23	14	1.00	1.00	135.0	
1G	4597	38	71	23	23	14	1.00	1.00	148.7	
1H	4597	38	53	23	23	14	1.00	1.00	134.8	
1I	-2356	19	44	23	23	14	1.03	1.00	82.9	
1J	-2356	19	27	23	23	14	1.03	1.00	70.2	
1K	-2356	19	44	23	23	14	1.03	1.00	83.1	
1L	-2356	19	27	23	23	14	1.03	1.00	70.3	
1M	1236	19	44	23	23	14	1.00	1.00	60.7	
1N	1236	19	27	23	23	14	1.00	1.00	48.0	
1O	1236	19	44	23	23	14	1.00	1.00	60.9	
1P	1236	19	27	23	23	14	1.00	1.00	48.2	
2	-1071	8	42	23	23	14	1.03	1.00	53.9	
7	-1023	9	30	23	23	14	1.03	1.00	44.3	
8	-818	7	36	23	23	14	1.03	1.00	44.7	

ASTA NUM. 233 NI 705 NF 706 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3814	-87	73	0	33	92	70.9	77.5	6.2	0.0	148.4	1	
1B	0	-3814	46	73	0	33	-68	70.9	59.4	6.2	0.0	130.3	1	
1C	0	-3814	-87	-50	0	-42	92	70.9	79.8	4.3	0.0	150.7	1	
1D	0	-3814	46	-50	0	-42	-68	70.9	61.6	4.3	0.0	132.5	1	
1E	0	2495	-87	73	0	33	92	46.4	77.5	6.2	0.0	123.9	1	
1F	0	2495	46	73	0	33	-68	46.4	59.4	6.2	0.0	105.8	1	
1G	0	2495	-87	-50	0	-42	92	46.4	79.8	4.3	0.0	126.2	1	
1H	0	2495	46	-50	0	-42	-68	46.4	61.6	4.3	0.0	108.0	1	
1I	0	-2357	-56	64	0	19	59	43.8	49.1	5.4	0.0	93.0	1	
1J	0	-2357	15	64	0	19	-35	43.8	31.0	5.4	0.0	74.8	1	
1K	0	-2357	-56	-41	0	-27	59	43.8	51.4	3.5	0.0	95.2	1	
1L	0	-2357	15	-41	0	-27	-35	43.8	33.2	3.5	0.0	77.1	1	
1M	0	1039	-56	64	0	19	59	19.3	49.1	5.4	0.0	68.4	1	
1N	0	1039	15	64	0	19	-35	19.3	31.0	5.4	0.0	50.3	1	
1O	0	1039	-56	-41	0	-27	59	19.3	51.4	3.5	0.0	70.7	1	
1P	0	1039	15	-41	0	-27	-35	19.3	33.2	3.5	0.0	52.5	1	
2	0	-336	-58	-70	0	1	54	6.2	40.9	6.0	0.0	47.1	1	
7	0	-387	-45	-51	0	-2	38	7.2	29.0	4.3	0.0	36.2	1	
8	0	-159	-52	-69	0	7	47	3.0	36.9	5.8	0.0	39.8	1	
1A	55	-3791	-87	73	0	-8	46	70.5	36.2	6.2	0.0	106.7	1	
1B	55	-3791	46	73	0	-8	-44	70.5	35.0	6.2	0.0	105.5	1	
1C	55	-3791	-87	-50	0	-13	46	70.5	37.4	4.3	0.0	107.9	1	
1D	55	-3791	46	-50	0	-13	-44	70.5	36.2	4.3	0.0	106.7	1	
1E	55	2519	-87	73	0	-8	46	46.8	36.2	6.2	0.0	83.1	1	
1F	55	2519	46	73	0	-8	-44	46.8	35.0	6.2	0.0	81.8	1	
1G	55	2519	-87	-50	0	-13	46	46.8	37.4	4.3	0.0	84.3	1	
1H	55	2519	46	-50	0	-13	-44	46.8	36.2	4.3	0.0	83.0	1	
1I	55	-2334	-56	64	0	-19	32	43.4	29.1	5.4	0.0	72.5	1	
1J	55	-2334	15	64	0	-19	-31	43.4	27.9	5.4	0.0	71.3	1	
1K	55	-2334	-56	-41	0	-2	32	43.4	24.6	3.5	0.0	68.0	1	
1L	55	-2334	15	-41	0	-2	-31	43.4	23.4	3.5	0.0	66.8	1	
1M	55	1062	-56	64	0	-19	32	19.7	29.1	5.4	0.0	48.8	1	
1N	55	1062	15	64	0	-19	-31	19.7	27.9	5.4	0.0	47.6	1	
1O	55	1062	-56	-41	0	-2	32	19.7	24.6	3.5	0.0	44.4	1	
1P	55	1062	15	-41	0	-2	-31	19.7	23.4	3.5	0.0	43.2	1	
2	55	-305	-58	-6	0	22	22	5.7	22.3	2.2	0.0	28.0	1	
7	55	-356	-45	-6	0	13	13	6.6	13.3	1.7	0.0	19.9	1	
8	55	-129	-52	-5	0	27	18	2.4	20.7	1.9	0.0	23.1	1	
1A	111	-3767	-87	73	0	-50	-1	70.0	13.7	6.2	0.0	83.7	1	
1B	111	-3767	46	73	0	-50	-20	70.0	27.8	6.2	0.0	97.8	1	
1C	111	-3767	-87	-50	0	16	-1	70.0	4.9	4.3	0.0	74.9	1	
1D	111	-3767	46	-50	0	16	-20	70.0	19.0	4.3	0.0	89.0	1	
1E	111	2542	-87	73	0	-50	-1	47.3	13.7	6.2	0.0	60.9	1	
1F	111	2542	46	73	0	-50	-20	47.3	27.8	6.2	0.0	75.0	1	
1G	111	2542	-87	-50	0	16	-1	47.3	4.9	4.3	0.0	52.2	1	
1H	111	2542	46	-50	0	16	-20	47.3	19.0	4.3	0.0	66.2	1	
1I	111	-2311	-56	64	0	-57	5	42.9	18.6	5.4	0.0	61.6	1	
1J	111	-2311	15	64	0	-57	-26	42.9	34.4	5.4	0.0	77.3	1	
1K	111	-2311	-56	-41	0	23	5	42.9	9.8	3.5	0.0	52.8	1	
1L	111	-2311	15	-41	0	23	-26	42.9	25.6	3.5	0.0	68.5	1	
1M	111	1085	-56	64	0	-57	5	20.2	18.6	5.4	0.0	38.8	1	
1N	111	1085	15	64	0	-57	-26	20.2	34.4	5.4	0.0	54.5	1	
1O	111	1085	-56	-41	0	23	5	20.2	9.8	3.5	0.0	30.0	1	
1P	111	1085	15	-41	0	23	-26	20.2	25.6	3.5	0.0	45.8	1	
2	111	-275	-58	58	0	8	-10	5.1	9.5	4.9	0.0	14.6	1	
7	111	-326	-45	39	0	4	-12	6.1	9.7	3.3	0.0	15.7	1	
8	111	-99	-52	59	0	12	-10	1.8	10.8	5.0	0.0	12.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3814	20	55	23	23	14	1.03	1.00	119.3	
1B	-3814	20	49	23	23	14	1.03	1.00	114.7	
1C	-3814	19	55	23	23	14	1.03	1.00	119.0	
1D	-3814	19	49	23	23	14	1.03	1.00	114.4	
1E	2542	20	55	23	23	14	1.00	1.00	93.5	
1F	2542	20	49	23	23	14	1.00	1.00	88.9	
1G	2542	19	55	23	23	14	1.00	1.00	93.2	
1H	2542	19	49	23	23	14	1.00	1.00	88.6	
1I	-2357	27	38	23	23	14	1.03	1.00	80.3	
1J	-2357	27	31	23	23	14	1.03	1.00	75.7	
1K	-2357	11	38	23	23	14	1.03	1.00	76.1	
1L	-2357	11	31	23	23	14	1.03	1.00	71.5	
1M	1085	27	38	23	23	14	1.00	1.00	55.3	
1N	1085	27	31	23	23	14	1.00	1.00	50.7	
1O	1085	11	38	23	23	14	1.00	1.00	51.1	
1P	1085	11	31	23	23	14	1.00	1.00	46.5	
2	-336	5	29	23	23	14	1.03	1.00	29.2	
7	-387	2	18	23	23	14	1.03	1.00	21.4	
8	-159	10	24	23	23	14	1.03	1.00	23.6	

ASTA NUM. 234 NI 706 NF 707 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3610	-140	97	0	57	27	67.1	34.6	8.2	0.0	101.7	1	
1B	0	-3610	72	97	0	57	-39	67.1	44.0	8.2	0.0	111.1	1	
1C	0	-3610	-140	-104	0	-88	27	67.1	42.7	8.8	0.0	109.8	1	
1D	0	-3610	72	-104	0	-88	-39	67.1	52.1	8.8	0.0	119.2	1	
1E	0	2377	-140	97	0	57	27	44.2	34.6	8.2	0.0	78.8	1	
1F	0	2377	72	97	0	57	-39	44.2	44.0	8.2	0.0	88.2	1	
1G	0	2377	-140	-104	0	-88	27	44.2	42.7	8.8	0.0	86.9	1	
1H	0	2377	72	-104	0	-88	-39	44.2	52.1	8.8	0.0	96.3	1	
1I	0	-2306	-101	44	0	26	20	42.9	21.8	3.8	0.0	64.6	1	
1J	0	-2306	33	44	0	26	-33	42.9	31.2	3.7	0.0	74.0	1	
1K	0	-2306	-101	-51	0	-58	20	42.9	29.9	4.4	0.0	72.7	1	
1L	0	-2306	33	-51	0	-58	-33	42.9	39.3	4.4	0.0	82.1	1	
1M	0	1072	-101	44	0	26	20	19.9	21.8	3.8	0.0	41.7	1	
1N	0	1072	33	44	0	26	-33	19.9	31.2	3.7	0.0	51.1	1	
1O	0	1072	-101	-51	0	-58	20	19.9	29.9	4.4	0.0	49.8	1	
1P	0	1072	33	-51	0	-58	-33	19.9	39.3	4.4	0.0	59.2	1	
2	0	-255	-96	-71	0	3	6	4.7	5.2	6.0	0.0	12.5	3	
7	0	-304	-72	-56	0	-1	-0	5.6	0.6	4.7	0.0	10.5	3	
8	0	-85	-86	-66	0	9	3	1.6	4.9	5.6	0.0	10.9	3	
1A	55	-3587	-140	97	0	-4	-52	66.7	40.2	8.2	0.0	106.8	1	
1B	55	-3587	72	97	0	-4	2	66.7	2.5	8.2	0.0	69.2	1	
1C	55	-3587	-140	-104	0	-23	-52	66.7	45.1	8.8	0.0	111.8	1	
1D	55	-3587	72	-104	0	-23	2	66.7	7.5	8.8	0.0	74.1	1	
1E	55	2400	-140	97	0	-4	-52	44.6	40.2	8.2	0.0	84.8	1	
1F	55	2400	72	97	0	-4	2	44.6	2.5	8.2	0.0	47.5	3	
1G	55	2400	-140	-104	0	-23	-52	44.6	45.1	8.8	0.0	89.7	1	
1H	55	2400	72	-104	0	-23	2	44.6	7.5	8.8	0.0	52.1	1	
1I	55	-2282	-101	44	0	35	-40	42.4	39.1	3.8	0.0	81.5	1	
1J	55	-2282	33	44	0	35	-10	42.4	16.6	3.7	0.0	59.0	1	
1K	55	-2282	-101	-51	0	-62	-40	42.4	46.1	4.4	0.0	88.5	1	
1L	55	-2282	33	-51	0	-62	-10	42.4	23.6	4.4	0.0	66.0	1	
1M	55	1096	-101	44	0	35	-40	20.4	39.1	3.8	0.0	59.5	1	
1N	55	1096	33	44	0	35	-10	20.4	16.6	3.7	0.0	36.9	1	
1O	55	1096	-101	-51	0	-62	-40	20.4	46.1	4.4	0.0	66.5	1	
1P	55	1096	33	-51	0	-62	-10	20.4	23.6	4.4	0.0	43.9	1	
2	55	-224	-96	-7	0	25	-48	4.2	42.0	3.6	0.0	46.2	1	
7	55	-273	-72	-11	0	17	-40	5.1	34.8	2.7	0.0	39.9	1	
8	55	-54	-86	-2	0	28	-44	1.0	40.4	3.2	0.0	41.4	1	
1A	111	-3564	-140	97	0	-65	-131	66.2	115.0	8.2	0.0	181.2	1	
1B	111	-3564	72	97	0	-65	43	66.2	49.1	8.2	0.0	115.3	1	
1C	111	-3564	-140	-104	0	41	-131	66.2	109.0	8.8	0.0	175.3	1	
1D	111	-3564	72	-104	0	41	43	66.2	43.1	8.8	0.0	109.3	1	
1E	111	2424	-140	97	0	-65	-131	45.1	115.0	8.2	0.0	160.0	1	
1F	111	2424	72	97	0	-65	43	45.1	49.1	8.2	0.0	94.1	1	
1G	111	2424	-140	-104	0	41	-131	45.1	109.0	8.8	0.0	154.1	1	
1H	111	2424	72	-104	0	41	43	45.1	43.1	8.8	0.0	88.2	1	
1I	111	-2259	-101	44	0	44	-100	42.0	86.5	3.8	0.0	128.4	1	
1J	111	-2259	33	44	0	44	12	42.0	20.5	3.7	0.0	62.5	1	
1K	111	-2259	-101	-51	0	-67	-100	42.0	92.4	4.4	0.0	134.4	1	
1L	111	-2259	33	-51	0	-67	12	42.0	26.5	4.4	0.0	68.5	1	
1M	111	1119	-101	44	0	44	-100	20.8	86.5	3.8	0.0	107.3	1	
1N	111	1119	33	44	0	44	12	20.8	20.5	3.7	0.0	41.3	1	
1O	111	1119	-101	-51	0	-67	-100	20.8	92.4	4.4	0.0	113.2	1	
1P	111	1119	33	-51	0	-67	12	20.8	26.5	4.4	0.0	47.3	1	
2	111	-194	-96	57	0	11	-101	3.6	78.5	4.8	0.0	82.1	1	
7	111	-243	-72	34	0	11	-80	4.5	63.1	2.8	0.0	67.6	1	
8	111	-24	-86	62	0	12	-92	0.4	71.9	5.2	0.0	72.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3610	26	68	23	23	14	1.03	1.00	126.8	
1B	-3610	26	17	23	23	14	1.03	1.00	88.8	
1C	-3610	36	68	23	23	14	1.03	1.00	129.5	
1D	-3610	36	17	23	23	14	1.03	1.00	91.4	
1E	2424	26	68	23	23	14	1.00	1.00	102.7	
1F	2424	26	17	23	23	14	1.00	1.00	64.7	
1G	2424	36	68	23	23	14	1.00	1.00	105.3	
1H	2424	36	17	23	23	14	1.00	1.00	67.3	
1I	-2306	37	52	23	23	14	1.03	1.00	92.8	
1J	-2306	37	15	23	23	14	1.03	1.00	64.5	
1K	-2306	63	52	23	23	14	1.03	1.00	99.6	
1L	-2306	63	15	23	23	14	1.03	1.00	71.3	
1M	1119	37	52	23	23	14	1.00	1.00	69.4	
1N	1119	37	15	23	23	14	1.00	1.00	41.2	
1O	1119	63	52	23	23	14	1.00	1.00	76.2	
1P	1119	63	15	23	23	14	1.00	1.00	48.0	
2	-255	8	58	23	23	14	1.03	1.00	50.6	
7	-304	6	48	23	23	14	1.03	1.00	43.7	
8	-85	10	54	23	23	14	1.03	1.00	44.7	

ASTA NUM. 235 NI 707 NF 708 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1076	-327	138	0	21	16	20.0	17.2	12.3	0.0	37.5	3	
1B	0	-1076	190	138	0	21	-105	20.0	83.6	11.7	0.0	103.6	1	
1C	0	-1076	-327	-27	0	-45	16	20.0	23.4	12.3	0.0	43.4	1	
1D	0	-1076	190	-27	0	-45	-105	20.0	89.8	7.1	0.0	109.8	1	
1E	0	92	-327	138	0	21	16	1.7	17.2	12.3	0.0	28.7	3	
1F	0	92	190	138	0	21	-105	1.7	83.6	11.7	0.0	85.4	1	
1G	0	92	-327	-27	0	-45	16	1.7	23.4	12.3	0.0	25.1	1	
1H	0	92	190	-27	0	-45	-105	1.7	89.8	7.1	0.0	91.5	1	
1I	0	-1641	-256	150	0	32	-0	30.5	8.6	12.7	0.0	45.8	3	
1J	0	-1641	120	150	0	32	-88	30.5	74.5	12.7	0.0	105.0	1	
1K	0	-1641	-256	-38	0	-56	-0	30.5	14.8	9.6	0.0	46.8	3	
1L	0	-1641	120	-38	0	-56	-88	30.5	80.6	4.5	0.0	111.1	1	
1M	0	657	-256	150	0	32	-0	12.2	8.6	12.7	0.0	32.3	3	
1N	0	657	120	150	0	32	-88	12.2	74.5	12.7	0.0	86.7	1	
1O	0	657	-256	-38	0	-56	-0	12.2	14.8	9.6	0.0	30.6	3	
1P	0	657	120	-38	0	-56	-88	12.2	80.6	4.5	0.0	92.8	1	
2	0	-155	-189	70	0	13	-93	2.9	73.2	7.1	0.0	76.1	1	
7	0	-121	-135	55	0	11	-77	2.3	60.4	5.0	0.0	62.6	1	
8	0	-88	-171	60	0	15	-86	1.6	68.0	6.4	0.0	69.6	1	
1A	55	-1053	-327	138	0	-69	120	19.6	107.6	12.3	0.0	127.2	1	
1B	55	-1053	190	138	0	-69	-284	19.6	230.6	11.7	0.0	250.2	1	
1C	55	-1053	-327	-27	0	-16	120	19.6	93.9	12.3	0.0	113.5	1	
1D	55	-1053	190	-27	0	-16	-284	19.6	216.9	7.1	0.0	236.5	1	
1E	55	115	-327	138	0	-69	120	2.1	107.6	12.3	0.0	109.8	1	
1F	55	115	190	138	0	-69	-284	2.1	230.6	11.7	0.0	232.8	1	
1G	55	115	-327	-27	0	-16	120	2.1	93.9	12.3	0.0	96.1	1	
1H	55	115	190	-27	0	-16	-284	2.1	216.9	7.1	0.0	219.1	1	
1I	55	-1617	-256	150	0	48	62	30.1	58.9	12.7	0.0	89.0	1	
1J	55	-1617	120	150	0	48	-227	30.1	182.0	12.7	0.0	212.0	1	
1K	55	-1617	-256	-38	0	-133	62	30.1	81.0	9.6	0.0	111.0	1	
1L	55	-1617	120	-38	0	-133	-227	30.1	204.0	4.5	0.0	234.1	1	
1M	55	680	-256	150	0	48	62	12.6	58.9	12.7	0.0	71.6	1	
1N	55	680	120	150	0	48	-227	12.6	182.0	12.7	0.0	194.6	1	
1O	55	680	-256	-38	0	-133	62	12.6	81.0	9.6	0.0	93.6	1	
1P	55	680	120	-38	0	-133	-227	12.6	204.0	4.5	0.0	216.7	1	
2	55	-124	-189	134	0	-43	-198	2.3	159.4	11.3	0.0	161.7	1	
7	55	-91	-135	100	0	-32	-151	1.7	121.6	8.5	0.0	123.3	1	
8	55	-58	-171	124	0	-36	-180	1.1	144.3	10.5	0.0	145.4	1	
1A	111	-1029	-327	138	0	-160	224	19.1	208.8	12.3	0.0	227.9	1	
1B	111	-1029	190	138	0	-160	-464	19.1	388.4	11.7	0.0	407.6	1	
1C	111	-1029	-327	-27	0	13	224	19.1	170.9	12.3	0.0	190.0	1	
1D	111	-1029	190	-27	0	13	-464	19.1	350.5	7.1	0.0	369.7	1	
1E	111	139	-327	138	0	-160	224	2.6	208.8	12.3	0.0	211.4	1	
1F	111	139	190	138	0	-160	-464	2.6	388.4	11.7	0.0	391.0	1	
1G	111	139	-327	-27	0	13	224	2.6	170.9	12.3	0.0	173.5	1	
1H	111	139	190	-27	0	13	-464	2.6	350.5	7.1	0.0	353.1	1	
1I	111	-1594	-256	150	0	63	125	29.6	109.8	12.7	0.0	139.5	1	
1J	111	-1594	120	150	0	63	-365	29.6	289.5	12.7	0.0	319.1	1	
1K	111	-1594	-256	-38	0	-210	125	29.6	147.7	9.6	0.0	177.4	1	
1L	111	-1594	120	-38	0	-210	-365	29.6	327.4	4.5	0.0	357.0	1	
1M	111	704	-256	150	0	63	125	13.1	109.8	12.7	0.0	122.9	1	
1N	111	704	120	150	0	63	-365	13.1	289.5	12.7	0.0	302.6	1	
1O	111	704	-256	-38	0	-210	125	13.1	147.7	9.6	0.0	160.8	1	
1P	111	704	120	-38	0	-210	-365	13.1	327.4	4.5	0.0	340.5	1	
2	111	-94	-189	198	0	-135	-303	1.7	261.4	16.7	0.0	263.2	1	
7	111	-61	-135	144	0	-100	-226	1.1	194.8	12.3	0.0	195.9	1	
8	111	-27	-171	188	0	-122	-275	0.5	237.4	15.9	0.0	237.9	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1076	88	141	23	23	14	1.03	1.00	148.5	
1B	-1076	88	320	23	23	14	1.03	1.00	282.9	
1C	-1076	22	141	23	23	14	1.03	1.00	131.6	
1D	-1076	22	320	23	23	14	1.03	1.00	266.0	
1E	139	88	141	23	23	14	1.00	1.00	130.4	
1F	139	88	320	23	23	14	1.00	1.00	264.8	
1G	139	22	141	23	23	14	1.00	1.00	113.5	
1H	139	22	320	23	23	14	1.00	1.00	247.9	
1I	-1641	51	75	23	23	14	1.03	1.00	100.6	
1J	-1641	51	254	23	23	14	1.03	1.00	235.0	
1K	-1641	149	75	23	23	14	1.03	1.00	125.8	
1L	-1641	149	254	23	23	14	1.03	1.00	260.3	
1M	704	51	75	23	23	14	1.00	1.00	82.2	
1N	704	51	254	23	23	14	1.00	1.00	216.6	
1O	704	149	75	23	23	14	1.00	1.00	107.4	
1P	704	149	254	23	23	14	1.00	1.00	241.8	
2	-155	76	219	23	23	14	1.03	1.00	186.4	
7	-121	56	166	23	23	14	1.03	1.00	141.1	
8	-88	67	199	23	23	14	1.03	1.00	168.3	

ASTA NUM. 236 NI 700 NF 699 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10317	-15	257	0	235	30	191.8	83.3	21.8	0.0	275.0	1	
1B	0	-10317	21	257	0	235	-28	191.8	81.2	21.8	0.0	272.9	1	
1C	0	-10317	-15	-145	0	-151	30	191.8	61.5	12.3	0.0	253.3	1	
1D	0	-10317	21	-145	0	-151	-28	191.8	59.4	12.3	0.0	251.2	1	
1E	0	8449	-15	257	0	235	30	157.0	83.3	21.8	0.0	240.3	1	
1F	0	8449	21	257	0	235	-28	157.0	81.2	21.8	0.0	238.2	1	
1G	0	8449	-15	-145	0	-151	30	157.0	61.5	12.3	0.0	218.6	1	
1H	0	8449	21	-145	0	-151	-28	157.0	59.4	12.3	0.0	216.5	1	
1I	0	-9050	-7	132	0	219	12	168.2	65.4	11.2	0.0	233.6	1	
1J	0	-9050	13	132	0	219	-9	168.2	63.3	11.2	0.0	231.5	1	
1K	0	-9050	-7	-20	0	-135	12	168.2	43.7	1.7	0.0	211.9	1	
1L	0	-9050	13	-20	0	-135	-9	168.2	41.5	1.7	0.0	209.8	1	
1M	0	7183	-7	132	0	219	12	133.5	65.4	11.2	0.0	198.9	1	
1N	0	7183	13	132	0	219	-9	133.5	63.3	11.2	0.0	196.8	1	
1O	0	7183	-7	-20	0	-135	12	133.5	43.7	1.7	0.0	177.2	1	
1P	0	7183	13	-20	0	-135	-9	133.5	41.5	1.7	0.0	175.0	1	
2	0	-6158	14	196	0	67	5	114.5	21.0	16.6	0.0	135.5	1	
7	0	-5487	10	157	0	44	4	102.0	14.5	13.3	0.0	116.5	1	
8	0	-5034	12	155	0	50	5	93.6	16.7	13.1	0.0	110.2	1	
1A	55	-10293	-15	257	0	58	42	191.3	46.1	21.8	0.0	237.4	1	
1B	55	-10293	21	257	0	58	-36	191.3	41.5	21.8	0.0	232.9	1	
1C	55	-10293	-15	-145	0	-36	42	191.3	40.3	12.3	0.0	231.6	1	
1D	55	-10293	21	-145	0	-36	-36	191.3	35.7	12.3	0.0	227.1	1	
1E	55	8472	-15	257	0	58	42	157.5	46.1	21.8	0.0	203.6	1	
1F	55	8472	21	257	0	58	-36	157.5	41.5	21.8	0.0	199.0	1	
1G	55	8472	-15	-145	0	-36	42	157.5	40.3	12.3	0.0	197.8	1	
1H	55	8472	21	-145	0	-36	-36	157.5	35.7	12.3	0.0	193.2	1	
1I	55	-9027	-7	132	0	167	17	167.8	56.1	11.2	0.0	223.9	1	
1J	55	-9027	13	132	0	167	-11	167.8	51.5	11.2	0.0	219.3	1	
1K	55	-9027	-7	-20	0	-145	17	167.8	50.3	1.7	0.0	218.1	1	
1L	55	-9027	13	-20	0	-145	-11	167.8	45.7	1.7	0.0	213.5	1	
1M	55	7206	-7	132	0	167	17	133.9	56.1	11.2	0.0	190.0	1	
1N	55	7206	13	132	0	167	-11	133.9	51.5	11.2	0.0	185.5	1	
1O	55	7206	-7	-20	0	-145	17	133.9	50.3	1.7	0.0	184.2	1	
1P	55	7206	13	-20	0	-145	-11	133.9	45.7	1.7	0.0	179.7	1	
2	55	-6128	14	196	0	-42	13	113.9	20.3	16.6	0.0	134.2	1	
7	55	-5456	10	157	0	-43	10	101.4	18.6	13.3	0.0	120.0	1	
8	55	-5004	12	155	0	-35	12	93.0	17.7	13.1	0.0	110.7	1	
1A	111	-10270	-15	257	0	-119	53	190.9	70.2	21.8	0.0	261.1	1	
1B	111	-10270	21	257	0	-119	-43	190.9	63.2	21.8	0.0	254.1	1	
1C	111	-10270	-15	-145	0	80	53	190.9	60.0	12.3	0.0	250.9	1	
1D	111	-10270	21	-145	0	80	-43	190.9	53.0	12.3	0.0	243.9	1	
1E	111	8496	-15	257	0	-119	53	157.9	70.2	21.8	0.0	228.1	1	
1F	111	8496	21	257	0	-119	-43	157.9	63.2	21.8	0.0	221.1	1	
1G	111	8496	-15	-145	0	80	53	157.9	60.0	12.3	0.0	217.9	1	
1H	111	8496	21	-145	0	80	-43	157.9	53.0	12.3	0.0	211.0	1	
1I	111	-9004	-7	132	0	115	23	167.4	46.7	11.2	0.0	214.1	1	
1J	111	-9004	13	132	0	115	-13	167.4	39.8	11.2	0.0	207.1	1	
1K	111	-9004	-7	-20	0	-155	23	167.4	56.9	1.7	0.0	224.2	1	
1L	111	-9004	13	-20	0	-155	-13	167.4	49.9	1.7	0.0	217.3	1	
1M	111	7229	-7	132	0	115	23	134.4	46.7	11.2	0.0	181.1	1	
1N	111	7229	13	132	0	115	-13	134.4	39.8	11.2	0.0	174.1	1	
1O	111	7229	-7	-20	0	-155	23	134.4	56.9	1.7	0.0	191.3	1	
1P	111	7229	13	-20	0	-155	-13	134.4	49.9	1.7	0.0	184.3	1	
2	111	-6097	14	196	0	-151	20	113.3	53.9	16.6	0.0	167.2	1	
7	111	-5426	10	157	0	-130	15	100.9	45.1	13.3	0.0	146.0	1	
8	111	-4973	12	155	0	-121	18	92.4	44.6	13.1	0.0	137.1	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10317	94	44	23	23	14	1.03	1.00	254.8	
1B	-10317	94	37	23	23	14	1.03	1.00	249.7	
1C	-10317	60	44	23	23	14	1.03	1.00	246.0	
1D	-10317	60	37	23	23	14	1.03	1.00	241.0	
1E	8496	94	44	23	23	14	1.00	1.00	214.9	
1F	8496	94	37	23	23	14	1.00	1.00	209.9	
1G	8496	60	44	23	23	14	1.00	1.00	206.2	
1H	8496	60	37	23	23	14	1.00	1.00	201.2	
1I	-9050	178	18	23	23	14	1.03	1.00	233.0	
1J	-9050	178	12	23	23	14	1.03	1.00	227.9	
1K	-9050	147	18	23	23	14	1.03	1.00	225.0	
1L	-9050	147	12	23	23	14	1.03	1.00	219.9	
1M	7229	178	18	23	23	14	1.00	1.00	193.9	
1N	7229	178	12	23	23	14	1.00	1.00	188.9	
1O	7229	147	18	23	23	14	1.00	1.00	186.0	
1P	7229	147	12	23	23	14	1.00	1.00	180.9	
2	-6158	64	14	23	23	14	1.03	1.00	145.0	
7	-5487	61	11	23	23	14	1.03	1.00	129.0	
8	-5034	52	13	23	23	14	1.03	1.00	119.5	

ASTA NUM. 237 NI 699 NF 698 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10090	-4	243	0	162	54	187.6	81.7	20.6	0.0	269.3	1	
1B	0	-10090	9	243	0	162	-45	187.6	75.0	20.6	0.0	262.6	1	
1C	0	-10090	-4	-239	0	-163	54	187.6	82.1	20.3	0.0	269.6	1	
1D	0	-10090	9	-239	0	-163	-45	187.6	75.4	20.3	0.0	262.9	1	
1E	0	8167	-4	243	0	162	54	151.8	81.7	20.6	0.0	233.5	1	
1F	0	8167	9	243	0	162	-45	151.8	75.0	20.6	0.0	226.8	1	
1G	0	8167	-4	-239	0	-163	54	151.8	82.1	20.3	0.0	233.9	1	
1H	0	8167	9	-239	0	-163	-45	151.8	75.4	20.3	0.0	227.2	1	
1I	0	-8853	-8	143	0	191	21	164.6	64.8	12.1	0.0	229.3	1	
1J	0	-8853	13	143	0	191	-12	164.6	58.0	12.1	0.0	222.6	1	
1K	0	-8853	-8	-139	0	-192	21	164.6	65.1	11.8	0.0	229.7	1	
1L	0	-8853	13	-139	0	-192	-12	164.6	58.4	11.8	0.0	222.9	1	
1M	0	6929	-8	143	0	191	21	128.8	64.8	12.1	0.0	193.6	1	
1N	0	6929	13	143	0	191	-12	128.8	58.0	12.1	0.0	186.8	1	
1O	0	6929	-8	-139	0	-192	21	128.8	65.1	11.8	0.0	193.9	1	
1P	0	6929	13	-139	0	-192	-12	128.8	58.4	11.8	0.0	187.2	1	
2	0	-6353	13	13	0	-86	16	118.1	33.9	1.1	0.0	152.0	1	
7	0	-5615	9	2	0	-83	13	104.4	30.7	0.3	0.0	135.1	1	
8	0	-5169	11	6	0	-71	14	96.1	29.1	0.5	0.0	125.1	1	
1A	55	-10067	-4	243	0	5	58	187.1	44.7	20.6	0.0	231.9	1	
1B	55	-10067	9	243	0	5	-47	187.1	36.0	20.6	0.0	223.1	1	
1C	55	-10067	-4	-239	0	-8	58	187.1	45.7	20.3	0.0	232.8	1	
1D	55	-10067	9	-239	0	-8	-47	187.1	37.0	20.3	0.0	224.1	1	
1E	55	8190	-4	243	0	5	58	152.2	44.7	20.6	0.0	197.0	1	
1F	55	8190	9	243	0	5	-47	152.2	36.0	20.6	0.0	188.3	1	
1G	55	8190	-4	-239	0	-8	58	152.2	45.7	20.3	0.0	197.9	1	
1H	55	8190	9	-239	0	-8	-47	152.2	37.0	20.3	0.0	189.2	1	
1I	55	-8829	-8	143	0	150	27	164.1	58.7	12.1	0.0	222.8	1	
1J	55	-8829	13	143	0	150	-15	164.1	50.0	12.1	0.0	214.1	1	
1K	55	-8829	-8	-139	0	-154	27	164.1	59.6	11.8	0.0	223.7	1	
1L	55	-8829	13	-139	0	-154	-15	164.1	50.9	11.8	0.0	215.0	1	
1M	55	6953	-8	143	0	150	27	129.2	58.7	12.1	0.0	187.9	1	
1N	55	6953	13	143	0	150	-15	129.2	50.0	12.1	0.0	179.2	1	
1O	55	6953	-8	-139	0	-154	27	129.2	59.6	11.8	0.0	188.8	1	
1P	55	6953	13	-139	0	-154	-15	129.2	50.9	11.8	0.0	180.1	1	
2	55	-6322	13	13	0	-93	23	117.5	41.2	1.1	0.0	158.7	1	
7	55	-5584	9	2	0	-84	17	103.8	34.7	0.3	0.0	138.5	1	
8	55	-5138	11	6	0	-75	20	95.5	34.5	0.5	0.0	130.0	1	
1A	111	-10044	-4	243	0	-153	63	186.7	86.4	20.6	0.0	273.1	1	
1B	111	-10044	9	243	0	-153	-49	186.7	75.7	20.6	0.0	262.4	1	
1C	111	-10044	-4	-239	0	147	63	186.7	84.8	20.3	0.0	271.5	1	
1D	111	-10044	9	-239	0	147	-49	186.7	74.1	20.3	0.0	260.8	1	
1E	111	8214	-4	243	0	-153	63	152.7	86.4	20.6	0.0	239.0	1	
1F	111	8214	9	243	0	-153	-49	152.7	75.7	20.6	0.0	228.3	1	
1G	111	8214	-4	-239	0	147	63	152.7	84.8	20.3	0.0	237.5	1	
1H	111	8214	9	-239	0	147	-49	152.7	74.1	20.3	0.0	226.8	1	
1I	111	-8806	-8	143	0	109	33	163.7	52.6	12.1	0.0	216.3	1	
1J	111	-8806	13	143	0	109	-18	163.7	41.9	12.1	0.0	205.6	1	
1K	111	-8806	-8	-139	0	-115	33	163.7	54.1	11.8	0.0	217.8	1	
1L	111	-8806	13	-139	0	-115	-18	163.7	43.4	11.8	0.0	207.1	1	
1M	111	6976	-8	143	0	109	33	129.7	52.6	12.1	0.0	182.2	1	
1N	111	6976	13	143	0	109	-18	129.7	41.9	12.1	0.0	171.5	1	
1O	111	6976	-8	-139	0	-115	33	129.7	54.1	11.8	0.0	183.8	1	
1P	111	6976	13	-139	0	-115	-18	129.7	43.4	11.8	0.0	173.1	1	
2	111	-6292	13	13	0	-101	30	117.0	48.5	1.1	0.0	165.5	1	
7	111	-5554	9	2	0	-85	22	103.2	38.7	0.3	0.0	141.9	1	
8	111	-5108	11	6	0	-78	27	94.9	39.9	0.5	0.0	134.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10090	65	59	23	23	14	1.03	1.00	254.4	
1B	-10090	65	47	23	23	14	1.03	1.00	245.2	
1C	-10090	65	59	23	23	14	1.03	1.00	254.5	
1D	-10090	65	47	23	23	14	1.03	1.00	245.3	
1E	8214	65	59	23	23	14	1.00	1.00	213.6	
1F	8214	65	47	23	23	14	1.00	1.00	204.5	
1G	8214	65	59	23	23	14	1.00	1.00	213.7	
1H	8214	65	47	23	23	14	1.00	1.00	204.6	
1I	-8853	158	28	23	23	14	1.03	1.00	231.3	
1J	-8853	158	16	23	23	14	1.03	1.00	222.1	
1K	-8853	161	28	23	23	14	1.03	1.00	232.1	
1L	-8853	161	16	23	23	14	1.03	1.00	223.0	
1M	6976	158	28	23	23	14	1.00	1.00	191.3	
1N	6976	158	16	23	23	14	1.00	1.00	182.2	
1O	6976	161	28	23	23	14	1.00	1.00	192.1	
1P	6976	161	16	23	23	14	1.00	1.00	183.0	
2	-6353	95	24	23	23	14	1.03	1.00	164.4	
7	-5615	84	18	23	23	14	1.03	1.00	143.0	
8	-5169	75	22	23	23	14	1.03	1.00	134.6	

ASTA NUM. 238 NI 698 NF 697 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7781	-3	173	0	131	70	144.6	86.3	14.6	0.0	230.9	1	
1B	0	-7781	6	173	0	131	-54	144.6	73.9	14.6	0.0	218.5	1	
1C	0	-7781	-3	-59	0	-100	70	144.6	78.2	5.0	0.0	222.8	1	
1D	0	-7781	6	-59	0	-100	-54	144.6	65.7	5.0	0.0	210.4	1	
1E	0	3829	-3	173	0	131	70	71.2	86.3	14.6	0.0	157.5	1	
1F	0	3829	6	173	0	131	-54	71.2	73.9	14.6	0.0	145.0	1	
1G	0	3829	-3	-59	0	-100	70	71.2	78.2	5.0	0.0	149.4	1	
1H	0	3829	6	-59	0	-100	-54	71.2	65.7	5.0	0.0	136.9	1	
1I	0	-6876	-10	132	0	153	32	127.8	63.3	11.2	0.0	191.1	1	
1J	0	-6876	12	132	0	153	-15	127.8	50.9	11.2	0.0	178.7	1	
1K	0	-6876	-10	-18	0	-122	32	127.8	55.2	1.5	0.0	183.0	1	
1L	0	-6876	12	-18	0	-122	-15	127.8	42.7	1.5	0.0	170.5	1	
1M	0	2924	-10	132	0	153	32	54.4	63.3	11.2	0.0	117.7	1	
1N	0	2924	12	132	0	153	-15	54.4	50.9	11.2	0.0	105.2	1	
1O	0	2924	-10	-18	0	-122	32	54.4	55.2	1.5	0.0	109.5	1	
1P	0	2924	12	-18	0	-122	-15	54.4	42.7	1.5	0.0	97.1	1	
2	0	-9916	9	195	0	-36	30	184.3	31.5	16.5	0.0	215.8	1	
7	0	-8240	6	153	0	-37	23	153.2	26.6	13.0	0.0	179.8	1	
8	0	-7887	8	153	0	-28	27	146.6	27.1	13.0	0.0	173.7	1	
1A	55	-7758	-3	173	0	15	72	144.2	57.9	14.6	0.0	202.1	1	
1B	55	-7758	6	173	0	15	-54	144.2	44.4	14.6	0.0	188.6	1	
1C	55	-7758	-3	-59	0	-46	72	144.2	66.0	5.0	0.0	210.2	1	
1D	55	-7758	6	-59	0	-46	-54	144.2	52.5	5.0	0.0	196.7	1	
1E	55	3853	-3	173	0	15	72	71.6	57.9	14.6	0.0	129.5	1	
1F	55	3853	6	173	0	15	-54	71.6	44.4	14.6	0.0	116.0	1	
1G	55	3853	-3	-59	0	-46	72	71.6	66.0	5.0	0.0	137.6	1	
1H	55	3853	6	-59	0	-46	-54	71.6	52.5	5.0	0.0	124.1	1	
1I	55	-6853	-10	132	0	91	38	127.4	51.8	11.2	0.0	179.2	1	
1J	55	-6853	12	132	0	91	-20	127.4	38.3	11.2	0.0	165.7	1	
1K	55	-6853	-10	-18	0	-123	38	127.4	59.9	1.5	0.0	187.3	1	
1L	55	-6853	12	-18	0	-123	-20	127.4	46.4	1.5	0.0	173.8	1	
1M	55	2948	-10	132	0	91	38	54.8	51.8	11.2	0.0	106.6	1	
1N	55	2948	12	132	0	91	-20	54.8	38.3	11.2	0.0	93.1	1	
1O	55	2948	-10	-18	0	-123	38	54.8	59.9	1.5	0.0	114.7	1	
1P	55	2948	12	-18	0	-123	-20	54.8	46.4	1.5	0.0	101.2	1	
2	55	-9886	9	195	0	-144	35	183.7	63.2	16.5	0.0	246.9	1	
7	55	-8210	6	153	0	-122	26	152.6	50.8	13.0	0.0	203.4	1	
8	55	-7856	8	153	0	-113	31	146.0	52.1	13.0	0.0	198.2	1	
1A	111	-7734	-3	173	0	-101	74	143.8	81.6	14.6	0.0	225.4	1	
1B	111	-7734	6	173	0	-101	-55	143.8	67.0	14.6	0.0	210.8	1	
1C	111	-7734	-3	-59	0	7	74	143.8	57.3	5.0	0.0	201.1	1	
1D	111	-7734	6	-59	0	7	-55	143.8	42.7	5.0	0.0	186.5	1	
1E	111	3876	-3	173	0	-101	74	72.1	81.6	14.6	0.0	153.7	1	
1F	111	3876	6	173	0	-101	-55	72.1	67.0	14.6	0.0	139.1	1	
1G	111	3876	-3	-59	0	7	74	72.1	57.3	5.0	0.0	129.4	1	
1H	111	3876	6	-59	0	7	-55	72.1	42.7	5.0	0.0	114.8	1	
1I	111	-6829	-10	132	0	29	44	126.9	40.4	11.2	0.0	167.3	1	
1J	111	-6829	12	132	0	29	-25	126.9	25.8	11.2	0.0	152.7	1	
1K	111	-6829	-10	-18	0	-123	44	126.9	64.7	1.5	0.0	191.6	1	
1L	111	-6829	12	-18	0	-123	-25	126.9	50.1	1.5	0.0	177.0	1	
1M	111	2971	-10	132	0	29	44	55.2	40.4	11.2	0.0	95.6	1	
1N	111	2971	12	132	0	29	-25	55.2	25.8	11.2	0.0	81.0	1	
1O	111	2971	-10	-18	0	-123	44	55.2	64.7	1.5	0.0	119.9	1	
1P	111	2971	12	-18	0	-123	-25	55.2	50.1	1.5	0.0	105.3	1	
2	111	-9855	9	195	0	-252	40	183.2	94.8	16.5	0.0	278.0	1	
7	111	-8179	6	153	0	-206	29	152.0	74.9	13.0	0.0	227.0	1	
8	111	-7826	8	153	0	-198	35	145.5	77.2	13.0	0.0	222.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7781	53	73	23	23	14	1.03	1.00	217.1	
1B	-7781	53	54	23	23	14	1.03	1.00	203.3	
1C	-7781	57	73	23	23	14	1.03	1.00	218.2	
1D	-7781	57	54	23	23	14	1.03	1.00	204.5	
1E	3876	53	73	23	23	14	1.00	1.00	139.9	
1F	3876	53	54	23	23	14	1.00	1.00	126.2	
1G	3876	57	73	23	23	14	1.00	1.00	141.1	
1H	3876	57	54	23	23	14	1.00	1.00	127.4	
1I	-6876	104	39	23	23	14	1.03	1.00	187.7	
1J	-6876	104	21	23	23	14	1.03	1.00	174.0	
1K	-6876	123	39	23	23	14	1.03	1.00	192.7	
1L	-6876	123	21	23	23	14	1.03	1.00	178.9	
1M	2971	104	39	23	23	14	1.00	1.00	111.2	
1N	2971	104	21	23	23	14	1.00	1.00	97.5	
1O	2971	123	39	23	23	14	1.00	1.00	116.1	
1P	2971	123	21	23	23	14	1.00	1.00	102.4	
2	-9916	165	36	23	23	14	1.03	1.00	259.5	
7	-8240	138	27	23	23	14	1.03	1.00	213.5	
8	-7887	130	32	23	23	14	1.03	1.00	208.3	

ASTA NUM. 239 NI 697 NF 696 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7556	-37	177	0	89	89	140.4	89.2	15.0	0.0	229.7	1	
1B	0	-7556	23	177	0	89	-64	140.4	70.8	15.0	0.0	211.2	1	
1C	0	-7556	-37	-168	0	-145	89	140.4	103.6	14.2	0.0	244.1	1	
1D	0	-7556	23	-168	0	-145	-64	140.4	85.2	14.2	0.0	225.6	1	
1E	0	3548	-37	177	0	89	89	65.9	89.2	15.0	0.0	155.2	1	
1F	0	3548	23	177	0	89	-64	65.9	70.8	15.0	0.0	136.7	1	
1G	0	3548	-37	-168	0	-145	89	65.9	103.6	14.2	0.0	169.6	1	
1H	0	3548	23	-168	0	-145	-64	65.9	85.2	14.2	0.0	151.1	1	
1I	0	-6686	-21	116	0	102	49	124.3	63.2	9.9	0.0	187.5	1	
1J	0	-6686	7	116	0	102	-25	124.3	44.8	9.9	0.0	169.1	1	
1K	0	-6686	-21	-107	0	-158	49	124.3	77.6	9.1	0.0	201.9	1	
1L	0	-6686	7	-107	0	-158	-25	124.3	59.2	9.1	0.0	183.5	1	
1M	0	2678	-21	116	0	102	49	49.8	63.2	9.9	0.0	113.0	1	
1N	0	2678	7	116	0	102	-25	49.8	44.8	9.9	0.0	94.6	1	
1O	0	2678	-21	-107	0	-158	49	49.8	77.6	9.1	0.0	127.4	1	
1P	0	2678	7	-107	0	-158	-25	49.8	59.2	9.1	0.0	109.0	1	
2	0	-10110	-14	17	0	-186	46	187.9	82.2	1.5	0.0	270.1	1	
7	0	-8372	-13	6	0	-158	34	155.6	66.0	0.5	0.0	221.6	1	
8	0	-8026	-13	9	0	-147	40	149.2	68.1	0.8	0.0	217.3	1	
1A	55	-7532	-37	177	0	-19	70	140.0	57.3	15.0	0.0	197.3	1	
1B	55	-7532	23	177	0	-19	-53	140.0	44.7	15.0	0.0	184.7	1	
1C	55	-7532	-37	-168	0	-41	70	140.0	62.9	14.2	0.0	202.9	1	
1D	55	-7532	23	-168	0	-41	-53	140.0	50.3	14.2	0.0	190.3	1	
1E	55	3571	-37	177	0	-19	70	66.4	57.3	15.0	0.0	123.7	1	
1F	55	3571	23	177	0	-19	-53	66.4	44.7	15.0	0.0	111.0	1	
1G	55	3571	-37	-168	0	-41	70	66.4	62.9	14.2	0.0	129.3	1	
1H	55	3571	23	-168	0	-41	-53	66.4	50.3	14.2	0.0	116.7	1	
1I	55	-6663	-21	116	0	63	43	123.8	48.5	9.9	0.0	172.3	1	
1J	55	-6663	7	116	0	63	-26	123.8	35.9	9.9	0.0	159.7	1	
1K	55	-6663	-21	-107	0	-124	43	123.8	64.2	9.1	0.0	188.0	1	
1L	55	-6663	7	-107	0	-124	-26	123.8	51.6	9.1	0.0	175.4	1	
1M	55	2702	-21	116	0	63	43	50.2	48.5	9.9	0.0	98.7	1	
1N	55	2702	7	116	0	63	-26	50.2	35.9	9.9	0.0	86.1	1	
1O	55	2702	-21	-107	0	-124	43	50.2	64.2	9.1	0.0	114.4	1	
1P	55	2702	7	-107	0	-124	-26	50.2	51.6	9.1	0.0	101.8	1	
2	55	-10080	-14	17	0	-196	38	187.4	78.7	1.5	0.0	266.1	1	
7	55	-8342	-13	6	0	-161	27	155.0	61.6	0.5	0.0	216.7	1	
8	55	-7996	-13	9	0	-152	33	148.6	63.8	0.8	0.0	212.5	1	
1A	111	-7508	-37	177	0	-128	51	139.6	70.9	15.0	0.0	210.5	1	
1B	111	-7508	23	177	0	-128	-42	139.6	64.1	15.0	0.0	203.7	1	
1C	111	-7508	-37	-168	0	62	51	139.6	54.0	14.2	0.0	193.6	1	
1D	111	-7508	23	-168	0	62	-42	139.6	47.2	14.2	0.0	186.8	1	
1E	111	3594	-37	177	0	-128	51	66.8	70.9	15.0	0.0	137.7	1	
1F	111	3594	23	177	0	-128	-42	66.8	64.1	15.0	0.0	130.9	1	
1G	111	3594	-37	-168	0	62	51	66.8	54.0	14.2	0.0	120.8	1	
1H	111	3594	23	-168	0	62	-42	66.8	47.2	14.2	0.0	114.0	1	
1I	111	-6639	-21	116	0	25	37	123.4	33.8	9.9	0.0	157.2	1	
1J	111	-6639	7	116	0	25	-28	123.4	27.0	9.9	0.0	150.4	1	
1K	111	-6639	-21	-107	0	-90	37	123.4	50.7	9.1	0.0	174.1	1	
1L	111	-6639	7	-107	0	-90	-28	123.4	43.9	9.1	0.0	167.3	1	
1M	111	2725	-21	116	0	25	37	50.7	33.8	9.9	0.0	84.4	1	
1N	111	2725	7	116	0	25	-28	50.7	27.0	9.9	0.0	77.6	1	
1O	111	2725	-21	-107	0	-90	37	50.7	50.7	9.1	0.0	101.4	1	
1P	111	2725	7	-107	0	-90	-28	50.7	43.9	9.1	0.0	94.6	1	
2	111	-10050	-14	17	0	-205	30	186.8	75.3	1.5	0.0	262.1	1	
7	111	-8311	-13	6	0	-165	20	154.5	57.3	0.5	0.0	211.8	1	
8	111	-7965	-13	9	0	-157	26	148.0	59.6	0.8	0.0	207.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	kg	kg*m							kg/cmq
1A	-7556	51	74	23	23	14	1.03	1.00	213.1
1B	-7556	51	55	23	23	14	1.03	1.00	199.3
1C	-7556	62	74	23	23	14	1.03	1.00	215.9
1D	-7556	62	55	23	23	14	1.03	1.00	202.1
1E	3594	51	74	23	23	14	1.00	1.00	135.0
1F	3594	51	55	23	23	14	1.00	1.00	121.3
1G	3594	62	74	23	23	14	1.00	1.00	137.9
1H	3594	62	55	23	23	14	1.00	1.00	124.1
1I	-6686	71	44	23	23	14	1.03	1.00	179.6
1J	-6686	71	26	23	23	14	1.03	1.00	166.2
1K	-6686	131	44	23	23	14	1.03	1.00	195.0
1L	-6686	131	26	23	23	14	1.03	1.00	181.6
1M	2725	71	44	23	23	14	1.00	1.00	102.1
1N	2725	71	26	23	23	14	1.00	1.00	88.8
1O	2725	131	44	23	23	14	1.00	1.00	117.5
1P	2725	131	26	23	23	14	1.00	1.00	104.2
2	-10110	197	40	23	23	14	1.03	1.00	274.2
7	-8372	162	28	23	23	14	1.03	1.00	223.3
8	-8026	153	34	23	23	14	1.03	1.00	219.0

ASTA NUM. 240 NI 696 NF 695 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5186	-64	102	0	45	84	96.4	74.4	8.7	0.0	170.8	1	
1B	0	-5186	33	102	0	45	-64	96.4	59.3	8.7	0.0	155.7	1	
1C	0	-5186	-64	16	0	-71	84	96.4	81.3	2.4	0.0	177.7	1	
1D	0	-5186	33	16	0	-71	-64	96.4	66.2	1.4	0.0	162.6	1	
1E	0	-916	-64	102	0	45	84	17.0	74.4	8.7	0.0	91.4	1	
1F	0	-916	33	102	0	45	-64	17.0	59.3	8.7	0.0	76.4	1	
1G	0	-916	-64	16	0	-71	84	17.0	81.3	2.4	0.0	98.3	1	
1H	0	-916	33	16	0	-71	-64	17.0	66.2	1.4	0.0	83.3	1	
1I	0	-4767	-38	121	0	68	53	88.6	57.1	10.3	0.0	145.7	1	
1J	0	-4767	6	121	0	68	-33	88.6	42.1	10.3	0.0	130.7	1	
1K	0	-4767	-38	-2	0	-95	53	88.6	64.1	1.4	0.0	152.7	1	
1L	0	-4767	6	-2	0	-95	-33	88.6	49.0	0.2	0.0	137.6	1	
1M	0	-1335	-38	121	0	68	53	24.8	57.1	10.3	0.0	81.9	1	
1N	0	-1335	6	121	0	68	-33	24.8	42.1	10.3	0.0	66.9	1	
1O	0	-1335	-38	-2	0	-95	53	24.8	64.1	1.4	0.0	88.9	1	
1P	0	-1335	6	-2	0	-95	-33	24.8	49.0	0.2	0.0	73.8	1	
2	0	-13780	-38	208	0	-138	46	256.1	69.7	17.6	0.0	325.8	1	
7	0	-11080	-30	161	0	-115	32	205.9	53.4	13.7	0.0	259.4	1	
8	0	-10840	-35	164	0	-106	40	201.5	56.8	13.9	0.0	258.3	1	
1A	55	-5163	-64	102	0	-10	49	96.0	39.2	8.7	0.0	135.1	1	
1B	55	-5163	33	102	0	-10	-46	96.0	37.1	8.7	0.0	133.1	1	
1C	55	-5163	-64	16	0	-83	49	96.0	58.0	2.4	0.0	154.0	1	
1D	55	-5163	33	16	0	-83	-46	96.0	56.0	1.4	0.0	151.9	1	
1E	55	-893	-64	102	0	-10	49	16.6	39.2	8.7	0.0	55.8	1	
1F	55	-893	33	102	0	-10	-46	16.6	37.1	8.7	0.0	53.7	1	
1G	55	-893	-64	16	0	-83	49	16.6	58.0	2.4	0.0	74.6	1	
1H	55	-893	33	16	0	-83	-46	16.6	56.0	1.4	0.0	72.6	1	
1I	55	-4744	-38	121	0	2	34	88.2	25.7	10.3	0.0	113.9	1	
1J	55	-4744	6	121	0	2	-31	88.2	23.7	10.3	0.0	111.9	1	
1K	55	-4744	-38	-2	0	-95	34	88.2	49.6	1.4	0.0	137.8	1	
1L	55	-4744	6	-2	0	-95	-31	88.2	47.5	0.2	0.0	135.7	1	
1M	55	-1312	-38	121	0	2	34	24.4	25.7	10.3	0.0	50.1	1	
1N	55	-1312	6	121	0	2	-31	24.4	23.7	10.3	0.0	48.1	1	
1O	55	-1312	-38	-2	0	-95	34	24.4	49.6	1.4	0.0	74.0	1	
1P	55	-1312	6	-2	0	-95	-31	24.4	47.5	0.2	0.0	71.9	1	
2	55	-13750	-38	208	0	-253	25	255.6	83.7	17.6	0.0	339.2	1	
7	55	-11050	-30	161	0	-204	15	205.4	63.8	13.7	0.0	269.2	1	
8	55	-10810	-35	164	0	-196	20	200.9	65.7	13.9	0.0	266.7	1	
1A	111	-5140	-64	102	0	-64	14	95.5	26.9	8.7	0.0	122.4	1	
1B	111	-5140	33	102	0	-64	-29	95.5	37.8	8.7	0.0	133.3	1	
1C	111	-5140	-64	16	0	-95	14	95.5	34.8	2.4	0.0	130.3	1	
1D	111	-5140	33	16	0	-95	-29	95.5	45.7	1.4	0.0	141.2	1	
1E	111	-870	-64	102	0	-64	14	16.2	26.9	8.7	0.0	43.1	1	
1F	111	-870	33	102	0	-64	-29	16.2	37.8	8.7	0.0	54.0	1	
1G	111	-870	-64	16	0	-95	14	16.2	34.8	2.4	0.0	50.9	1	
1H	111	-870	33	16	0	-95	-29	16.2	45.7	1.4	0.0	61.9	1	
1I	111	-4721	-38	121	0	-64	14	87.8	27.1	10.3	0.0	114.9	1	
1J	111	-4721	6	121	0	-64	-29	87.8	38.0	10.3	0.0	125.8	1	
1K	111	-4721	-38	-2	0	-95	14	87.8	35.2	1.4	0.0	122.9	1	
1L	111	-4721	6	-2	0	-95	-29	87.8	46.1	0.2	0.0	133.8	1	
1M	111	-1289	-38	121	0	-64	14	24.0	27.1	10.3	0.0	51.1	1	
1N	111	-1289	6	121	0	-64	-29	24.0	38.0	10.3	0.0	62.0	1	
1O	111	-1289	-38	-2	0	-95	14	24.0	35.2	1.4	0.0	59.1	1	
1P	111	-1289	6	-2	0	-95	-29	24.0	46.1	0.2	0.0	70.0	1	
2	111	-13720	-38	208	0	-368	4	255.0	97.6	17.6	0.0	352.7	1	
7	111	-11020	-30	161	0	-294	-2	204.8	77.0	13.7	0.0	281.8	1	
8	111	-10780	-35	164	0	-286	1	200.4	74.7	13.9	0.0	275.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	kg	kg*m							kg/cmq
1A	-5186	26	56	23	23	14	1.03	1.00	147.9
1B	-5186	26	50	23	23	14	1.03	1.00	143.2
1C	-5186	85	56	23	23	14	1.03	1.00	163.3
1D	-5186	85	50	23	23	14	1.03	1.00	158.6
1E	-916	26	56	23	23	14	1.03	1.00	66.1
1F	-916	26	50	23	23	14	1.03	1.00	61.4
1G	-916	85	56	23	23	14	1.03	1.00	81.4
1H	-916	85	50	23	23	14	1.03	1.00	76.8
1I	-4767	27	38	23	23	14	1.03	1.00	126.4
1J	-4767	27	31	23	23	14	1.03	1.00	121.7
1K	-4767	95	38	23	23	14	1.03	1.00	143.9
1L	-4767	95	31	23	23	14	1.03	1.00	139.2
1M	-1335	27	38	23	23	14	1.03	1.00	60.7
1N	-1335	27	31	23	23	14	1.03	1.00	56.0
1O	-1335	95	38	23	23	14	1.03	1.00	78.1
1P	-1335	95	31	23	23	14	1.03	1.00	73.4
2	-13780	276	29	23	23	14	1.03	1.00	356.8
7	-11080	222	18	23	23	14	1.03	1.00	283.2
8	-10840	214	24	23	23	14	1.03	1.00	281.0

ASTA NUM. 241 NI 695 NF 694 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4953	-194	121	0	5	45	92.1	34.9	10.2	0.0	127.0	1	
1B	0	-4953	111	121	0	5	-51	92.1	39.5	10.2	0.0	131.5	1	
1C	0	-4953	-194	-102	0	-124	45	92.1	65.5	8.7	0.0	157.6	1	
1D	0	-4953	111	-102	0	-124	-51	92.1	70.0	8.7	0.0	162.1	1	
1E	0	-1213	-194	121	0	5	45	22.5	34.9	10.2	0.0	57.5	1	
1F	0	-1213	111	121	0	5	-51	22.5	39.5	10.2	0.0	62.0	1	
1G	0	-1213	-194	-102	0	-124	45	22.5	65.5	8.7	0.0	88.1	1	
1H	0	-1213	111	-102	0	-124	-51	22.5	70.0	8.7	0.0	92.6	1	
1I	0	-4580	-136	95	0	5	32	85.1	25.1	8.0	0.0	110.3	1	
1J	0	-4580	53	95	0	5	-38	85.1	29.7	8.0	0.0	114.8	1	
1K	0	-4580	-136	-76	0	-124	32	85.1	55.7	6.5	0.0	140.8	1	
1L	0	-4580	53	-76	0	-124	-38	85.1	60.2	6.5	0.0	145.3	1	
1M	0	-1586	-136	95	0	5	32	29.5	25.1	8.0	0.0	54.6	1	
1N	0	-1586	53	95	0	5	-38	29.5	29.7	8.0	0.0	59.1	1	
1O	0	-1586	-136	-76	0	-124	32	29.5	55.7	6.5	0.0	85.2	1	
1P	0	-1586	53	-76	0	-124	-38	29.5	60.2	6.5	0.0	89.7	1	
2	0	-13990	-104	30	0	-301	18	260.0	91.2	3.9	0.0	351.3	1	
7	0	-11220	-78	17	0	-244	8	208.6	69.1	2.9	0.0	277.7	1	
8	0	-10990	-95	21	0	-234	14	204.3	70.9	3.6	0.0	275.2	1	
1A	55	-4930	-194	121	0	-63	-63	91.6	63.2	10.2	0.0	154.8	1	
1B	55	-4930	111	121	0	-63	11	91.6	24.2	10.2	0.0	115.9	1	
1C	55	-4930	-194	-102	0	-66	-63	91.6	64.2	8.7	0.0	155.8	1	
1D	55	-4930	111	-102	0	-66	11	91.6	25.3	8.7	0.0	116.9	1	
1E	55	-1189	-194	121	0	-63	-63	22.1	63.2	10.2	0.0	85.3	1	
1F	55	-1189	111	121	0	-63	11	22.1	24.2	10.2	0.0	46.4	1	
1G	55	-1189	-194	-102	0	-66	-63	22.1	64.2	8.7	0.0	86.3	1	
1H	55	-1189	111	-102	0	-66	11	22.1	25.3	8.7	0.0	47.4	1	
1I	55	-4556	-136	95	0	-48	-45	84.7	45.8	8.0	0.0	130.5	1	
1J	55	-4556	53	95	0	-48	-7	84.7	17.7	8.0	0.0	102.4	1	
1K	55	-4556	-136	-76	0	-81	-45	84.7	54.4	6.5	0.0	139.1	1	
1L	55	-4556	53	-76	0	-81	-7	84.7	26.3	6.5	0.0	111.0	1	
1M	55	-1563	-136	95	0	-48	-45	29.1	45.8	8.0	0.0	74.9	1	
1N	55	-1563	53	95	0	-48	-7	29.1	17.7	8.0	0.0	46.8	1	
1O	55	-1563	-136	-76	0	-81	-45	29.1	54.4	6.5	0.0	83.5	1	
1P	55	-1563	53	-76	0	-81	-7	29.1	26.3	6.5	0.0	55.3	1	
2	55	-13960	-104	30	0	-318	-39	259.5	110.9	3.9	0.0	370.4	1	
7	55	-11185	-78	17	0	-254	-35	207.9	91.2	2.9	0.0	299.1	1	
8	55	-10960	-95	21	0	-246	-38	203.7	92.0	3.6	0.0	295.7	1	
1A	111	-4906	-194	121	0	-130	-171	91.2	161.3	10.2	0.0	252.5	1	
1B	111	-4906	111	121	0	-130	73	91.2	88.0	10.2	0.0	179.2	1	
1C	111	-4906	-194	-102	0	-9	-171	91.2	130.1	8.7	0.0	221.3	1	
1D	111	-4906	111	-102	0	-9	73	91.2	56.7	8.7	0.0	147.9	1	
1E	111	-1166	-194	121	0	-130	-171	21.7	161.3	10.2	0.0	182.9	1	
1F	111	-1166	111	121	0	-130	73	21.7	88.0	10.2	0.0	109.6	1	
1G	111	-1166	-194	-102	0	-9	-171	21.7	130.1	8.7	0.0	151.7	1	
1H	111	-1166	111	-102	0	-9	73	21.7	56.7	8.7	0.0	78.4	1	
1I	111	-4533	-136	95	0	-101	-121	84.2	116.8	8.0	0.0	201.1	1	
1J	111	-4533	53	95	0	-101	23	84.2	43.5	8.0	0.0	127.7	1	
1K	111	-4533	-136	-76	0	-38	-121	84.2	100.6	6.5	0.0	184.9	1	
1L	111	-4533	53	-76	0	-38	23	84.2	27.3	6.5	0.0	111.6	1	
1M	111	-1539	-136	95	0	-101	-121	28.6	116.8	8.0	0.0	145.4	1	
1N	111	-1539	53	95	0	-101	23	28.6	43.5	8.0	0.0	72.1	1	
1O	111	-1539	-136	-76	0	-38	-121	28.6	100.6	6.5	0.0	129.3	1	
1P	111	-1539	53	-76	0	-38	23	28.6	27.3	6.5	0.0	55.9	1	
2	111	-13930	-104	30	0	-334	-96	258.9	158.0	3.9	0.0	417.0	1	
7	111	-11150	-78	17	0	-263	-78	207.2	125.9	2.9	0.0	333.1	1	
8	111	-10930	-95	21	0	-257	-91	203.2	134.2	3.6	0.0	337.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-4953	76	84	23	23	14	1.03	1.00	177.8
1B	-4953	76	29	23	23	14	1.03	1.00	136.3
1C	-4953	78	84	23	23	14	1.03	1.00	178.3
1D	-4953	78	29	23	23	14	1.03	1.00	136.7
1E	-1213	76	84	23	23	14	1.03	1.00	106.0
1F	-1213	76	29	23	23	14	1.03	1.00	64.6
1G	-1213	78	84	23	23	14	1.03	1.00	106.5
1H	-1213	78	29	23	23	14	1.03	1.00	65.1
1I	-4580	58	60	23	23	14	1.03	1.00	147.8
1J	-4580	58	15	23	23	14	1.03	1.00	114.1
1K	-4580	90	60	23	23	14	1.03	1.00	155.9
1L	-4580	90	15	23	23	14	1.03	1.00	122.1
1M	-1586	58	60	23	23	14	1.03	1.00	90.4
1N	-1586	58	15	23	23	14	1.03	1.00	56.7
1O	-1586	90	60	23	23	14	1.03	1.00	98.5
1P	-1586	90	15	23	23	14	1.03	1.00	64.8
2	-13990	321	50	23	23	14	1.03	1.00	388.6
7	-11220	256	43	23	23	14	1.03	1.00	313.2
8	-10990	248	49	23	23	14	1.03	1.00	311.1

ASTA NUM. 242 NI 694 NF 693 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5609	-293	280	0	-34	43	104.3	41.0	23.7	0.0	145.3	1	
1B	0	-5609	168	280	0	-34	-142	104.3	115.0	23.7	0.0	219.3	1	
1C	0	-5609	-293	-18	0	-68	43	104.3	49.9	11.0	0.0	154.2	1	
1D	0	-5609	168	-18	0	-68	-142	104.3	123.9	6.3	0.0	228.1	1	
1E	0	-2043	-293	280	0	-34	43	38.0	41.0	23.7	0.0	79.0	1	
1F	0	-2043	168	280	0	-34	-142	38.0	115.0	23.7	0.0	153.0	1	
1G	0	-2043	-293	-18	0	-68	43	38.0	49.9	11.0	0.0	87.9	1	
1H	0	-2043	168	-18	0	-68	-142	38.0	123.9	6.3	0.0	161.9	1	
1I	0	-5261	-222	255	0	-23	8	97.8	11.9	21.6	0.0	109.7	1	
1J	0	-5261	97	255	0	-23	-107	97.8	85.9	21.6	0.0	183.7	1	
1K	0	-5261	-222	7	0	-79	8	97.8	26.3	8.3	0.0	124.1	1	
1L	0	-5261	97	7	0	-79	-107	97.8	100.3	3.6	0.0	198.1	1	
1M	0	-2391	-222	255	0	-23	8	44.4	11.9	21.6	0.0	61.7	3	
1N	0	-2391	97	255	0	-23	-107	44.4	85.9	21.6	0.0	130.4	1	
1O	0	-2391	-222	7	0	-79	8	44.4	26.3	8.3	0.0	70.7	1	
1P	0	-2391	97	7	0	-79	-107	44.4	100.3	3.6	0.0	144.7	1	
2	0	-16240	-154	491	0	-274	-88	301.9	136.3	41.6	0.0	438.2	1	
7	0	-12780	-113	388	0	-219	-74	237.5	111.6	32.9	0.0	349.1	1	
8	0	-12740	-142	380	0	-210	-84	236.8	116.9	32.2	0.0	353.8	1	
1A	55	-5585	-293	280	0	-195	136	103.8	151.9	23.7	0.0	255.8	1	
1B	55	-5585	168	280	0	-195	-304	103.8	277.7	23.7	0.0	381.5	1	
1C	55	-5585	-293	-18	0	-53	136	103.8	115.4	11.0	0.0	219.2	1	
1D	55	-5585	168	-18	0	-53	-304	103.8	241.1	6.3	0.0	344.9	1	
1E	55	-2020	-293	280	0	-195	136	37.5	151.9	23.7	0.0	189.5	1	
1F	55	-2020	168	280	0	-195	-304	37.5	277.7	23.7	0.0	315.2	1	
1G	55	-2020	-293	-18	0	-53	136	37.5	115.4	11.0	0.0	152.9	1	
1H	55	-2020	168	-18	0	-53	-304	37.5	241.1	6.3	0.0	278.7	1	
1I	55	-5238	-222	255	0	-167	61	97.4	88.5	21.6	0.0	185.8	1	
1J	55	-5238	97	255	0	-167	-229	97.4	214.3	21.6	0.0	311.6	1	
1K	55	-5238	-222	7	0	-80	61	97.4	66.2	8.3	0.0	163.5	1	
1L	55	-5238	97	7	0	-80	-229	97.4	192.0	3.6	0.0	289.3	1	
1M	55	-2368	-222	255	0	-167	61	44.0	88.5	21.6	0.0	132.5	1	
1N	55	-2368	97	255	0	-167	-229	44.0	214.3	21.6	0.0	258.3	1	
1O	55	-2368	-222	7	0	-80	61	44.0	66.2	8.3	0.0	110.2	1	
1P	55	-2368	97	7	0	-80	-229	44.0	192.0	3.6	0.0	236.0	1	
2	55	-16210	-154	491	0	-545	-173	301.3	269.9	41.6	0.0	571.2	1	
7	55	-12750	-113	388	0	-434	-136	237.0	213.4	32.9	0.0	450.4	1	
8	55	-12710	-142	380	0	-420	-162	236.2	229.7	32.2	0.0	466.0	1	
1A	111	-5562	-293	280	0	-356	229	103.4	262.8	23.7	0.0	366.2	1	
1B	111	-5562	168	280	0	-356	-466	103.4	440.4	23.7	0.0	543.8	1	
1C	111	-5562	-293	-18	0	-37	229	103.4	180.8	11.0	0.0	284.2	1	
1D	111	-5562	168	-18	0	-37	-466	103.4	358.4	6.3	0.0	461.7	1	
1E	111	-1996	-293	280	0	-356	229	37.1	262.8	23.7	0.0	299.9	1	
1F	111	-1996	168	280	0	-356	-466	37.1	440.4	23.7	0.0	477.5	1	
1G	111	-1996	-293	-18	0	-37	229	37.1	180.8	11.0	0.0	217.9	1	
1H	111	-1996	168	-18	0	-37	-466	37.1	358.4	6.3	0.0	395.5	1	
1I	111	-5214	-222	255	0	-311	114	96.9	165.1	21.6	0.0	262.0	1	
1J	111	-5214	97	255	0	-311	-351	96.9	342.6	21.6	0.0	439.5	1	
1K	111	-5214	-222	7	0	-82	114	96.9	106.1	8.3	0.0	203.0	1	
1L	111	-5214	97	7	0	-82	-351	96.9	283.6	3.6	0.0	380.6	1	
1M	111	-2344	-222	255	0	-311	114	43.6	165.1	21.6	0.0	208.6	1	
1N	111	-2344	97	255	0	-311	-351	43.6	342.6	21.6	0.0	386.2	1	
1O	111	-2344	-222	7	0	-82	114	43.6	106.1	8.3	0.0	149.7	1	
1P	111	-2344	97	7	0	-82	-351	43.6	283.6	3.6	0.0	327.2	1	
2	111	-16180	-154	491	0	-817	-258	300.7	403.5	41.6	0.0	704.3	1	
7	111	-12720	-113	388	0	-648	-198	236.4	315.3	32.9	0.0	551.7	1	
8	111	-12680	-142	380	0	-631	-241	235.7	342.5	32.2	0.0	578.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-5609	227	155	23	23	14	1.03	1.00	281.9
1B	-5609	227	336	23	23	14	1.03	1.00	418.4
1C	-5609	56	155	23	23	14	1.03	1.00	237.8
1D	-5609	56	336	23	23	14	1.03	1.00	374.3
1E	-2043	227	155	23	23	14	1.03	1.00	213.4
1F	-2043	227	336	23	23	14	1.03	1.00	349.6
1G	-2043	56	155	23	23	14	1.03	1.00	169.3
1H	-2043	56	336	23	23	14	1.03	1.00	305.6
1I	-5261	196	71	23	23	14	1.03	1.00	204.7
1J	-5261	196	253	23	23	14	1.03	1.00	341.2
1K	-5261	81	71	23	23	14	1.03	1.00	175.0
1L	-5261	81	253	23	23	14	1.03	1.00	311.5
1M	-2391	196	71	23	23	14	1.03	1.00	149.7
1N	-2391	196	253	23	23	14	1.03	1.00	285.9
1O	-2391	81	71	23	23	14	1.03	1.00	120.0
1P	-2391	81	253	23	23	14	1.03	1.00	256.3
2	-16240	600	190	23	23	14	1.03	1.00	609.1
7	-12780	476	149	23	23	14	1.03	1.00	479.4
8	-12740	462	178	23	23	14	1.03	1.00	497.3

ASTA NUM. 243 NI 660 NF 659 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8784	-16	218	0	287	16	163.3	85.9	18.5	0.0	249.1	1	
1B	0	-8784	14	218	0	287	-17	163.3	86.4	18.5	0.0	249.7	1	
1C	0	-8784	-16	-75	0	-174	16	163.3	57.0	6.4	0.0	220.2	1	
1D	0	-8784	14	-75	0	-174	-17	163.3	57.5	6.4	0.0	220.8	1	
1E	0	6114	-16	218	0	287	16	113.6	85.9	18.5	0.0	199.5	1	
1F	0	6114	14	218	0	287	-17	113.6	86.4	18.5	0.0	200.1	1	
1G	0	6114	-16	-75	0	-174	16	113.6	57.0	6.4	0.0	170.6	1	
1H	0	6114	14	-75	0	-174	-17	113.6	57.5	6.4	0.0	171.2	1	
1I	0	-13252	-12	207	0	449	14	246.3	125.6	17.5	0.0	372.0	1	
1J	0	-13252	10	207	0	449	-14	246.3	126.2	17.5	0.0	372.5	1	
1K	0	-13252	-12	-64	0	-337	14	246.3	96.7	5.4	0.0	343.1	1	
1L	0	-13252	10	-64	0	-337	-14	246.3	97.3	5.4	0.0	343.6	1	
1M	0	10582	-12	207	0	449	14	196.7	125.6	17.5	0.0	322.3	1	
1N	0	10582	10	207	0	449	-14	196.7	126.2	17.5	0.0	322.9	1	
1O	0	10582	-12	-64	0	-337	14	196.7	96.7	5.4	0.0	293.4	1	
1P	0	10582	10	-64	0	-337	-14	196.7	97.3	5.4	0.0	294.0	1	
2	0	-9174	-5	261	0	76	-5	170.5	23.5	22.2	0.0	194.0	1	
7	0	-8288	-5	200	0	32	-5	154.1	12.1	16.9	0.0	166.1	1	
8	0	-7192	-4	209	0	68	-4	133.7	20.3	17.7	0.0	154.0	1	
1A	55	-8761	-16	218	0	181	23	162.8	63.6	18.5	0.0	226.5	1	
1B	55	-8761	14	218	0	181	-25	162.8	65.0	18.5	0.0	227.8	1	
1C	55	-8761	-16	-75	0	-148	23	162.8	55.1	6.4	0.0	218.0	1	
1D	55	-8761	14	-75	0	-148	-25	162.8	56.5	6.4	0.0	219.3	1	
1E	55	6137	-16	218	0	181	23	114.1	63.6	18.5	0.0	177.7	1	
1F	55	6137	14	218	0	181	-25	114.1	65.0	18.5	0.0	179.0	1	
1G	55	6137	-16	-75	0	-148	23	114.1	55.1	6.4	0.0	169.2	1	
1H	55	6137	14	-75	0	-148	-25	114.1	56.5	6.4	0.0	170.5	1	
1I	55	-13229	-12	207	0	339	19	245.9	101.3	17.5	0.0	347.2	1	
1J	55	-13229	10	207	0	339	-21	245.9	102.7	17.5	0.0	348.6	1	
1K	55	-13229	-12	-64	0	-306	19	245.9	92.8	5.4	0.0	338.7	1	
1L	55	-13229	10	-64	0	-306	-21	245.9	94.2	5.4	0.0	340.1	1	
1M	55	10605	-12	207	0	339	19	197.1	101.3	17.5	0.0	298.5	1	
1N	55	10605	10	207	0	339	-21	197.1	102.7	17.5	0.0	299.8	1	
1O	55	10605	-12	-64	0	-306	19	197.1	92.8	5.4	0.0	289.9	1	
1P	55	10605	10	-64	0	-306	-21	197.1	94.2	5.4	0.0	291.3	1	
2	55	-9144	-5	261	0	-69	-8	170.0	23.9	22.2	0.0	193.8	1	
7	55	-8258	-5	200	0	-79	-8	153.5	25.9	16.9	0.0	179.4	1	
8	55	-7162	-4	209	0	-48	-6	133.1	17.0	17.7	0.0	150.1	1	
1A	111	-8738	-16	218	0	75	30	162.4	41.4	18.5	0.0	203.8	1	
1B	111	-8738	14	218	0	75	-32	162.4	43.5	18.5	0.0	205.9	1	
1C	111	-8738	-16	-75	0	-121	30	162.4	53.3	6.4	0.0	215.7	1	
1D	111	-8738	14	-75	0	-121	-32	162.4	55.4	6.4	0.0	217.8	1	
1E	111	6160	-16	218	0	75	30	114.5	41.4	18.5	0.0	155.9	1	
1F	111	6160	14	218	0	75	-32	114.5	43.5	18.5	0.0	158.0	1	
1G	111	6160	-16	-75	0	-121	30	114.5	53.3	6.4	0.0	167.8	1	
1H	111	6160	14	-75	0	-121	-32	114.5	55.4	6.4	0.0	169.9	1	
1I	111	-13206	-12	207	0	229	24	245.5	77.0	17.5	0.0	322.5	1	
1J	111	-13206	10	207	0	229	-27	245.5	79.1	17.5	0.0	324.6	1	
1K	111	-13206	-12	-64	0	-275	24	245.5	88.9	5.4	0.0	334.4	1	
1L	111	-13206	10	-64	0	-275	-27	245.5	91.0	5.4	0.0	336.5	1	
1M	111	10628	-12	207	0	229	24	197.5	77.0	17.5	0.0	274.6	1	
1N	111	10628	10	207	0	229	-27	197.5	79.1	17.5	0.0	276.7	1	
1O	111	10628	-12	-64	0	-275	24	197.5	88.9	5.4	0.0	286.4	1	
1P	111	10628	10	-64	0	-275	-27	197.5	91.0	5.4	0.0	288.6	1	
2	111	-9113	-5	261	0	-214	-11	169.4	63.2	22.2	0.0	232.5	1	
7	111	-8227	-5	200	0	-189	-10	152.9	56.3	16.9	0.0	209.2	1	
8	111	-7132	-4	209	0	-164	-8	132.6	48.4	17.7	0.0	181.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-8784	202	24	23	23	14	1.03	1.00	238.4
1B	-8784	202	26	23	23	14	1.03	1.00	239.9
1C	-8784	153	24	23	23	14	1.03	1.00	225.8
1D	-8784	153	26	23	23	14	1.03	1.00	227.3
1E	6160	202	24	23	23	14	1.00	1.00	184.6
1F	6160	202	26	23	23	14	1.00	1.00	186.1
1G	6160	153	24	23	23	14	1.00	1.00	172.0
1H	6160	153	26	23	23	14	1.00	1.00	173.5
1I	-13252	361	20	23	23	14	1.03	1.00	361.8
1J	-13252	361	22	23	23	14	1.03	1.00	363.3
1K	-13252	312	20	23	23	14	1.03	1.00	349.2
1L	-13252	312	22	23	23	14	1.03	1.00	350.7
1M	10628	361	20	23	23	14	1.00	1.00	305.3
1N	10628	361	22	23	23	14	1.00	1.00	306.8
1O	10628	312	20	23	23	14	1.00	1.00	292.8
1P	10628	312	22	23	23	14	1.00	1.00	294.3
2	-9174	98	9	23	23	14	1.03	1.00	207.4
7	-8288	101	8	23	23	14	1.03	1.00	190.7
8	-7192	71	7	23	23	14	1.03	1.00	161.0

ASTA NUM. 244 NI 659 NF 658 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-8601	-18	214	0	141	28	159.9	57.1	18.2	0.0	216.9	1	
1B	0	-8601	15	214	0	141	-31	159.9	59.3	18.2	0.0	219.2	1	
1C	0	-8601	-18	-234	0	-149	28	159.9	59.2	19.9	0.0	219.1	1	
1D	0	-8601	15	-234	0	-149	-31	159.9	61.5	19.9	0.0	221.3	1	
1E	0	5875	-18	214	0	141	28	109.2	57.1	18.2	0.0	166.3	1	
1F	0	5875	15	214	0	141	-31	109.2	59.3	18.2	0.0	168.5	1	
1G	0	5875	-18	-234	0	-149	28	109.2	59.2	19.9	0.0	168.4	1	
1H	0	5875	15	-234	0	-149	-31	109.2	61.5	19.9	0.0	170.7	1	
1I	0	-12935	-10	146	0	331	22	240.4	101.3	12.3	0.0	341.8	1	
1J	0	-12935	7	146	0	331	-25	240.4	103.6	12.3	0.0	344.0	1	
1K	0	-12935	-10	-165	0	-340	22	240.4	103.5	14.0	0.0	343.9	1	
1L	0	-12935	7	-165	0	-340	-25	240.4	105.7	14.0	0.0	346.2	1	
1M	0	10209	-10	146	0	331	22	189.8	101.3	12.3	0.0	291.1	1	
1N	0	10209	7	146	0	331	-25	189.8	103.6	12.3	0.0	293.3	1	
1O	0	10209	-10	-165	0	-340	22	189.8	103.5	14.0	0.0	293.2	1	
1P	0	10209	7	-165	0	-340	-25	189.8	105.7	14.0	0.0	295.5	1	
2	0	-9406	-3	-10	0	-140	-12	174.8	44.7	0.9	0.0	219.6	1	
7	0	-8425	-2	-24	0	-139	-11	156.6	43.9	2.0	0.0	200.5	1	
8	0	-7359	-2	-14	0	-107	-9	136.8	34.0	1.1	0.0	170.8	1	
1A	55	-8578	-18	214	0	-48	30	159.4	34.8	18.2	0.0	194.2	1	
1B	55	-8578	15	214	0	-48	-35	159.4	38.4	18.2	0.0	197.8	1	
1C	55	-8578	-18	-234	0	51	30	159.4	35.4	19.9	0.0	194.9	1	
1D	55	-8578	15	-234	0	51	-35	159.4	39.0	19.9	0.0	198.5	1	
1E	55	5898	-18	214	0	-48	30	109.6	34.8	18.2	0.0	144.4	1	
1F	55	5898	15	214	0	-48	-35	109.6	38.4	18.2	0.0	148.0	1	
1G	55	5898	-18	-234	0	51	30	109.6	35.4	19.9	0.0	145.1	1	
1H	55	5898	15	-234	0	51	-35	109.6	39.0	19.9	0.0	148.7	1	
1I	55	-12911	-10	146	0	303	23	240.0	95.2	12.3	0.0	335.1	1	
1J	55	-12911	7	146	0	303	-28	240.0	98.7	12.3	0.0	338.7	1	
1K	55	-12911	-10	-165	0	-300	23	240.0	94.5	14.0	0.0	334.5	1	
1L	55	-12911	7	-165	0	-300	-28	240.0	98.1	14.0	0.0	338.1	1	
1M	55	10232	-10	146	0	303	23	190.2	95.2	12.3	0.0	285.3	1	
1N	55	10232	7	146	0	303	-28	190.2	98.7	12.3	0.0	288.9	1	
1O	55	10232	-10	-165	0	-300	23	190.2	94.5	14.0	0.0	284.7	1	
1P	55	10232	7	-165	0	-300	-28	190.2	98.1	14.0	0.0	288.3	1	
2	55	-9376	-3	-10	0	-134	-13	174.3	44.4	0.9	0.0	218.7	1	
7	55	-8394	-2	-24	0	-126	-12	156.0	41.6	2.0	0.0	197.6	1	
8	55	-7328	-2	-14	0	-99	-10	136.2	33.1	1.1	0.0	169.3	1	
1A	111	-8554	-18	214	0	-237	32	159.0	84.9	18.2	0.0	243.9	1	
1B	111	-8554	15	214	0	-237	-39	159.0	89.8	18.2	0.0	248.8	1	
1C	111	-8554	-18	-234	0	250	32	159.0	88.4	19.9	0.0	247.4	1	
1D	111	-8554	15	-234	0	250	-39	159.0	93.3	19.9	0.0	252.3	1	
1E	111	5922	-18	214	0	-237	32	110.1	84.9	18.2	0.0	195.0	1	
1F	111	5922	15	214	0	-237	-39	110.1	89.8	18.2	0.0	199.9	1	
1G	111	5922	-18	-234	0	250	32	110.1	88.4	19.9	0.0	198.4	1	
1H	111	5922	15	-234	0	250	-39	110.1	93.3	19.9	0.0	203.4	1	
1I	111	-12888	-10	146	0	275	24	239.5	89.0	12.3	0.0	328.5	1	
1J	111	-12888	7	146	0	275	-31	239.5	93.9	12.3	0.0	333.4	1	
1K	111	-12888	-10	-165	0	-261	24	239.5	85.5	14.0	0.0	325.0	1	
1L	111	-12888	7	-165	0	-261	-31	239.5	90.4	14.0	0.0	330.0	1	
1M	111	10256	-10	146	0	275	24	190.6	89.0	12.3	0.0	279.6	1	
1N	111	10256	7	146	0	275	-31	190.6	93.9	12.3	0.0	284.5	1	
1O	111	10256	-10	-165	0	-261	24	190.6	85.5	14.0	0.0	276.1	1	
1P	111	10256	7	-165	0	-261	-31	190.6	90.4	14.0	0.0	281.0	1	
2	111	-9346	-3	-10	0	-129	-15	173.7	44.1	0.9	0.0	217.8	1	
7	111	-8364	-2	-24	0	-113	-13	155.5	39.2	2.0	0.0	194.7	1	
8	111	-7298	-2	-14	0	-92	-12	135.7	32.2	1.1	0.0	167.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8601	95	30	23	23	14	1.03	1.00	211.9	

1B	-8601	95	36	23	23	14	1.03	1.00	215.8
1C	-8601	100	30	23	23	14	1.03	1.00	213.3
1D	-8601	100	36	23	23	14	1.03	1.00	217.2
1E	5922	95	30	23	23	14	1.00	1.00	157.2
1F	5922	95	36	23	23	14	1.00	1.00	161.0
1G	5922	100	30	23	23	14	1.00	1.00	158.6
1H	5922	100	36	23	23	14	1.00	1.00	162.4
1I	-12935	309	23	23	23	14	1.03	1.00	344.7
1J	-12935	309	28	23	23	14	1.03	1.00	348.6
1K	-12935	308	23	23	23	14	1.03	1.00	344.6
1L	-12935	308	28	23	23	14	1.03	1.00	348.5
1M	10256	309	23	23	23	14	1.00	1.00	287.4
1N	10256	309	28	23	23	14	1.00	1.00	291.3
1O	10256	308	23	23	23	14	1.00	1.00	287.3
1P	10256	308	28	23	23	14	1.00	1.00	291.2
2	-9406	135	13	23	23	14	1.03	1.00	225.1
7	-8425	129	12	23	23	14	1.03	1.00	203.8
8	-7359	101	10	23	23	14	1.03	1.00	174.7

ASTA NUM. 245 NI 658 NF 657 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-6679	-12	231	0	263	33	124.1	92.5	19.6	0.0	216.7	1	
1B	0	-6679	7	231	0	263	-43	124.1	99.7	19.6	0.0	223.8	1	
1C	0	-6679	-12	-88	0	-212	33	124.1	79.4	7.4	0.0	203.6	1	
1D	0	-6679	7	-88	0	-212	-43	124.1	86.6	7.4	0.0	210.7	1	
1E	0	1963	-12	231	0	263	33	36.5	92.5	19.6	0.0	129.0	1	
1F	0	1963	7	231	0	263	-43	36.5	99.7	19.6	0.0	136.2	1	
1G	0	1963	-12	-88	0	-212	33	36.5	79.4	7.4	0.0	115.9	1	
1H	0	1963	7	-88	0	-212	-43	36.5	86.6	7.4	0.0	123.1	1	
1I	0	-9326	-8	246	0	359	21	173.4	107.8	20.9	0.0	281.1	1	
1J	0	-9326	3	246	0	359	-30	173.4	114.9	20.9	0.0	288.3	1	
1K	0	-9326	-8	-103	0	-308	21	173.4	94.7	8.7	0.0	268.1	1	
1L	0	-9326	3	-103	0	-308	-30	173.4	101.9	8.7	0.0	275.2	1	
1M	0	4610	-8	246	0	359	21	85.7	107.8	20.9	0.0	193.5	1	
1N	0	4610	3	246	0	359	-30	85.7	114.9	20.9	0.0	200.6	1	
1O	0	4610	-8	-103	0	-308	21	85.7	94.7	8.7	0.0	180.4	1	
1P	0	4610	3	-103	0	-308	-30	85.7	101.9	8.7	0.0	187.6	1	
2	0	-13480	-4	255	0	-54	-19	250.6	28.5	21.6	0.0	279.0	1	
7	0	-11160	-4	191	0	-63	-17	207.4	29.3	16.2	0.0	236.7	1	
8	0	-10510	-4	204	0	-34	-15	195.4	20.2	17.3	0.0	215.6	1	
1A	55	-6655	-12	231	0	136	27	123.7	55.3	19.6	0.0	179.0	1	
1B	55	-6655	7	231	0	136	-39	123.7	64.5	19.6	0.0	188.2	1	
1C	55	-6655	-12	-88	0	-165	27	123.7	62.7	7.4	0.0	186.4	1	
1D	55	-6655	7	-88	0	-165	-39	123.7	71.9	7.4	0.0	195.6	1	
1E	55	1986	-12	231	0	136	27	36.9	55.3	19.6	0.0	92.2	1	
1F	55	1986	7	231	0	136	-39	36.9	64.5	19.6	0.0	101.4	1	
1G	55	1986	-12	-88	0	-165	27	36.9	62.7	7.4	0.0	99.6	1	
1H	55	1986	7	-88	0	-165	-39	36.9	71.9	7.4	0.0	108.8	1	
1I	55	-9303	-8	246	0	223	18	172.9	70.9	20.9	0.0	243.8	1	
1J	55	-9303	3	246	0	223	-30	172.9	80.1	20.9	0.0	253.0	1	
1K	55	-9303	-8	-103	0	-252	18	172.9	78.3	8.7	0.0	251.2	1	
1L	55	-9303	3	-103	0	-252	-30	172.9	87.5	8.7	0.0	260.4	1	
1M	55	4634	-8	246	0	223	18	86.1	70.9	20.9	0.0	157.0	1	
1N	55	4634	3	246	0	223	-30	86.1	80.1	20.9	0.0	166.2	1	
1O	55	4634	-8	-103	0	-252	18	86.1	78.3	8.7	0.0	164.4	1	
1P	55	4634	3	-103	0	-252	-30	86.1	87.5	8.7	0.0	173.6	1	
2	55	-13450	-4	255	0	-195	-22	250.0	66.5	21.6	0.0	316.5	1	
7	55	-11130	-4	191	0	-169	-20	206.9	58.0	16.2	0.0	264.9	1	
8	55	-10480	-4	204	0	-147	-17	194.8	50.8	17.3	0.0	245.6	1	
1A	111	-6632	-12	231	0	9	21	123.3	18.1	19.6	0.0	141.4	1	
1B	111	-6632	7	231	0	9	-36	123.3	29.3	19.6	0.0	152.6	1	
1C	111	-6632	-12	-88	0	-117	21	123.3	46.0	7.4	0.0	169.2	1	
1D	111	-6632	7	-88	0	-117	-36	123.3	57.2	7.4	0.0	180.4	1	
1E	111	2010	-12	231	0	9	21	37.4	18.1	19.6	0.0	55.4	1	
1F	111	2010	7	231	0	9	-36	37.4	29.3	19.6	0.0	66.6	1	
1G	111	2010	-12	-88	0	-117	21	37.4	46.0	7.4	0.0	83.3	1	
1H	111	2010	7	-88	0	-117	-36	37.4	57.2	7.4	0.0	94.5	1	
1I	111	-9279	-8	246	0	87	15	172.5	34.0	20.9	0.0	206.5	1	
1J	111	-9279	3	246	0	87	-30	172.5	45.2	20.9	0.0	217.7	1	
1K	111	-9279	-8	-103	0	-196	15	172.5	61.9	8.7	0.0	234.4	1	
1L	111	-9279	3	-103	0	-196	-30	172.5	73.1	8.7	0.0	245.5	1	
1M	111	4657	-8	246	0	87	15	86.6	34.0	20.9	0.0	120.6	1	
1N	111	4657	3	246	0	87	-30	86.6	45.2	20.9	0.0	131.8	1	
1O	111	4657	-8	-103	0	-196	15	86.6	61.9	8.7	0.0	148.4	1	
1P	111	4657	3	-103	0	-196	-30	86.6	73.1	8.7	0.0	159.6	1	
2	111	-13420	-4	255	0	-337	-24	249.4	104.5	21.6	0.0	354.0	1	
7	111	-11100	-4	191	0	-274	-22	206.3	86.8	16.2	0.0	293.1	1	
8	111	-10450	-4	204	0	-260	-20	194.2	81.5	17.3	0.0	275.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6679	162	28	23	23	14	1.03	1.00	190.7	
1B	-6679	162	40	23	23	14	1.03	1.00	199.5	

1C	-6679	174	28	23	23	14	1.03	1.00	194.0
1D	-6679	174	40	23	23	14	1.03	1.00	202.8
1E	2010	162	28	23	23	14	1.00	1.00	100.1
1F	2010	162	40	23	23	14	1.00	1.00	108.9
1G	2010	174	28	23	23	14	1.00	1.00	103.4
1H	2010	174	40	23	23	14	1.00	1.00	112.2
1I	-9326	250	19	23	23	14	1.03	1.00	257.0
1J	-9326	250	30	23	23	14	1.03	1.00	265.8
1K	-9326	263	19	23	23	14	1.03	1.00	260.3
1L	-9326	263	30	23	23	14	1.03	1.00	269.1
1M	4657	250	19	23	23	14	1.00	1.00	164.8
1N	4657	250	30	23	23	14	1.00	1.00	173.6
1O	4657	263	19	23	23	14	1.00	1.00	168.1
1P	4657	263	30	23	23	14	1.00	1.00	177.0
2	-13480	224	22	23	23	14	1.03	1.00	332.4
7	-11160	190	20	23	23	14	1.03	1.00	277.6
8	-10510	170	18	23	23	14	1.03	1.00	258.3

ASTA NUM. 246 NI 657 NF 656 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6480	-41	163	0	49	23	120.5	29.5	13.8	0.0	149.9	1	
1B	0	-6480	37	163	0	49	-43	120.5	44.8	13.8	0.0	165.2	1	
1C	0	-6480	-41	-155	0	-121	23	120.5	48.1	13.1	0.0	168.5	1	
1D	0	-6480	37	-155	0	-121	-43	120.5	63.4	13.1	0.0	183.9	1	
1E	0	1716	-41	163	0	49	23	31.9	29.5	13.8	0.0	61.4	1	
1F	0	1716	37	163	0	49	-43	31.9	44.8	13.8	0.0	76.7	1	
1G	0	1716	-41	-155	0	-121	23	31.9	48.1	13.1	0.0	80.0	1	
1H	0	1716	37	-155	0	-121	-43	31.9	63.4	13.1	0.0	95.3	1	
1I	0	-9024	-24	154	0	176	14	167.7	55.8	13.1	0.0	223.5	1	
1J	0	-9024	20	154	0	176	-34	167.7	71.1	13.1	0.0	238.8	1	
1K	0	-9024	-24	-146	0	-249	14	167.7	74.4	12.4	0.0	242.1	1	
1L	0	-9024	20	-146	0	-249	-34	167.7	89.7	12.4	0.0	257.5	1	
1M	0	4260	-24	154	0	176	14	79.2	55.8	13.1	0.0	135.0	1	
1N	0	4260	20	154	0	176	-34	79.2	71.1	13.1	0.0	150.3	1	
1O	0	4260	-24	-146	0	-249	14	79.2	74.4	12.4	0.0	153.6	1	
1P	0	4260	20	-146	0	-249	-34	79.2	89.7	12.4	0.0	168.9	1	
2	0	-13710	11	5	0	-263	-31	254.8	91.1	0.4	0.0	346.0	1	
7	0	-11300	9	-9	0	-225	-28	210.0	79.0	0.8	0.0	289.0	1	
8	0	-10670	7	2	0	-203	-26	198.3	71.5	0.3	0.0	269.8	1	
1A	55	-6457	-41	163	0	-71	-8	120.0	24.3	13.8	0.0	144.3	1	
1B	55	-6457	37	163	0	-71	-14	120.0	28.9	13.8	0.0	148.9	1	
1C	55	-6457	-41	-155	0	-6	-8	120.0	7.8	13.1	0.0	127.8	1	
1D	55	-6457	37	-155	0	-6	-14	120.0	12.3	13.1	0.0	132.4	1	
1E	55	1740	-41	163	0	-71	-8	32.3	24.3	13.8	0.0	56.7	1	
1F	55	1740	37	163	0	-71	-14	32.3	28.9	13.8	0.0	61.2	1	
1G	55	1740	-41	-155	0	-6	-8	32.3	7.8	13.1	0.0	40.1	1	
1H	55	1740	37	-155	0	-6	-14	32.3	12.3	13.1	0.0	44.7	1	
1I	55	-9001	-24	154	0	127	8	167.3	39.0	13.1	0.0	206.3	1	
1J	55	-9001	20	154	0	127	-31	167.3	55.9	13.1	0.0	223.2	1	
1K	55	-9001	-24	-146	0	-204	8	167.3	58.7	12.4	0.0	226.0	1	
1L	55	-9001	20	-146	0	-204	-31	167.3	75.6	12.4	0.0	242.9	1	
1M	55	4284	-24	154	0	127	8	79.6	39.0	13.1	0.0	118.6	1	
1N	55	4284	20	154	0	127	-31	79.6	55.9	13.1	0.0	135.5	1	
1O	55	4284	-24	-146	0	-204	8	79.6	58.7	12.4	0.0	138.4	1	
1P	55	4284	20	-146	0	-204	-31	79.6	75.6	12.4	0.0	155.3	1	
2	55	-13680	11	5	0	-266	-25	254.3	87.3	0.4	0.0	341.5	1	
7	55	-11270	9	-9	0	-220	-23	209.5	74.1	0.8	0.0	283.6	1	
8	55	-10640	7	2	0	-204	-22	197.8	68.9	0.3	0.0	266.7	1	
1A	111	-6433	-41	163	0	-190	-39	119.6	78.1	13.8	0.0	197.7	1	
1B	111	-6433	37	163	0	-190	14	119.6	59.6	13.8	0.0	179.2	1	
1C	111	-6433	-41	-155	0	108	-39	119.6	57.2	13.1	0.0	176.8	1	
1D	111	-6433	37	-155	0	108	14	119.6	38.7	13.1	0.0	158.3	1	
1E	111	1763	-41	163	0	-190	-39	32.8	78.1	13.8	0.0	110.9	1	
1F	111	1763	37	163	0	-190	14	32.8	59.6	13.8	0.0	92.4	1	
1G	111	1763	-41	-155	0	108	-39	32.8	57.2	13.1	0.0	90.0	1	
1H	111	1763	37	-155	0	108	14	32.8	38.7	13.1	0.0	71.5	1	
1I	111	-8977	-24	154	0	79	3	166.9	22.2	13.1	0.0	189.1	1	
1J	111	-8977	20	154	0	79	-27	166.9	40.7	13.1	0.0	207.5	1	
1K	111	-8977	-24	-146	0	-160	3	166.9	43.1	12.4	0.0	210.0	1	
1L	111	-8977	20	-146	0	-160	-27	166.9	61.6	12.4	0.0	228.4	1	
1M	111	4307	-24	154	0	79	3	80.1	22.2	13.1	0.0	102.2	1	
1N	111	4307	20	154	0	79	-27	80.1	40.7	13.1	0.0	120.7	1	
1O	111	4307	-24	-146	0	-160	3	80.1	43.1	12.4	0.0	123.1	1	
1P	111	4307	20	-146	0	-160	-27	80.1	61.6	12.4	0.0	141.6	1	
2	111	-13650	11	5	0	-268	-19	253.7	83.4	0.4	0.0	337.1	1	
7	111	-11240	9	-9	0	-215	-19	208.9	69.2	0.8	0.0	278.1	1	
8	111	-10610	7	2	0	-206	-18	197.2	66.4	0.3	0.0	263.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6480	94	16	23	23	14	1.03	1.00	160.1	
1B	-6480	94	20	23	23	14	1.03	1.00	163.4	
1C	-6480	48	16	23	23	14	1.03	1.00	148.3	

1D	-6480	48	20	23	23	14	1.03	1.00	151.6
1E	1763	94	16	23	23	14	1.00	1.00	68.8
1F	1763	94	20	23	23	14	1.00	1.00	72.1
1G	1763	48	16	23	23	14	1.00	1.00	57.0
1H	1763	48	20	23	23	14	1.00	1.00	60.3
1I	-9024	137	9	23	23	14	1.03	1.00	215.2
1J	-9024	137	32	23	23	14	1.03	1.00	231.9
1K	-9024	213	9	23	23	14	1.03	1.00	234.8
1L	-9024	213	32	23	23	14	1.03	1.00	251.4
1M	4307	137	9	23	23	14	1.00	1.00	122.4
1N	4307	137	32	23	23	14	1.00	1.00	139.0
1O	4307	213	9	23	23	14	1.00	1.00	141.9
1P	4307	213	32	23	23	14	1.00	1.00	158.5
2	-13710	266	26	23	23	14	1.03	1.00	351.1
7	-11300	221	24	23	23	14	1.03	1.00	291.6
8	-10670	205	23	23	23	14	1.03	1.00	274.0

ASTA NUM. 247 NI 656 NF 655 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4473	-33	168	0	118	20	83.1	45.4	14.2	0.0	128.5	1	
1B	0	-4473	27	168	0	118	-59	83.1	74.8	14.2	0.0	157.9	1	
1C	0	-4473	-33	-41	0	-162	20	83.1	56.8	3.5	0.0	140.0	1	
1D	0	-4473	27	-41	0	-162	-59	83.1	86.2	3.5	0.0	169.4	1	
1E	0	-2237	-33	168	0	118	20	41.6	45.4	14.2	0.0	87.0	1	
1F	0	-2237	27	168	0	118	-59	41.6	74.8	14.2	0.0	116.4	1	
1G	0	-2237	-33	-41	0	-162	20	41.6	56.8	3.5	0.0	98.4	1	
1H	0	-2237	27	-41	0	-162	-59	41.6	86.2	3.5	0.0	127.8	1	
1I	0	-5571	-23	215	0	159	2	103.5	42.5	18.3	0.0	146.1	1	
1J	0	-5571	17	215	0	159	-42	103.5	72.0	18.3	0.0	175.5	1	
1K	0	-5571	-23	-89	0	-203	2	103.5	54.0	7.6	0.0	157.5	1	
1L	0	-5571	17	-89	0	-203	-42	103.5	83.4	7.6	0.0	186.9	1	
1M	0	-1139	-23	215	0	159	2	21.2	42.5	18.3	0.0	64.2	3	
1N	0	-1139	17	215	0	159	-42	21.2	72.0	18.3	0.0	93.1	1	
1O	0	-1139	-23	-89	0	-203	2	21.2	54.0	7.6	0.0	75.2	1	
1P	0	-1139	17	-89	0	-203	-42	21.2	83.4	7.6	0.0	104.6	1	
2	0	-17760	10	253	0	-194	-36	330.1	76.7	21.5	0.0	406.8	1	
7	0	-14020	7	186	0	-164	-34	260.6	67.9	15.8	0.0	328.5	1	
8	0	-13800	6	199	0	-148	-32	256.5	62.3	16.9	0.0	318.8	1	
1A	55	-4450	-33	168	0	27	24	82.7	24.8	14.2	0.0	107.5	1	
1B	55	-4450	27	168	0	27	-67	82.7	56.9	14.2	0.0	139.6	1	
1C	55	-4450	-33	-41	0	-141	24	82.7	54.2	3.5	0.0	136.9	1	
1D	55	-4450	27	-41	0	-141	-67	82.7	86.3	3.5	0.0	169.0	1	
1E	55	-2214	-33	168	0	27	24	41.1	24.8	14.2	0.0	65.9	1	
1F	55	-2214	27	168	0	27	-67	41.1	56.9	14.2	0.0	98.0	1	
1G	55	-2214	-33	-41	0	-141	24	41.1	54.2	3.5	0.0	95.3	1	
1H	55	-2214	27	-41	0	-141	-67	41.1	86.3	3.5	0.0	127.4	1	
1I	55	-5548	-23	215	0	44	2	103.1	12.9	18.3	0.0	116.8	3	
1J	55	-5548	17	215	0	44	-45	103.1	45.0	18.3	0.0	148.1	1	
1K	55	-5548	-23	-89	0	-159	2	103.1	42.3	7.6	0.0	145.4	1	
1L	55	-5548	17	-89	0	-159	-45	103.1	74.4	7.6	0.0	177.5	1	
1M	55	-1116	-23	215	0	44	2	20.8	12.9	18.3	0.0	41.8	3	
1N	55	-1116	17	215	0	44	-45	20.8	45.0	18.3	0.0	65.7	1	
1O	55	-1116	-23	-89	0	-159	2	20.8	42.3	7.6	0.0	63.0	1	
1P	55	-1116	17	-89	0	-159	-45	20.8	74.4	7.6	0.0	95.1	1	
2	55	-17730	10	253	0	-334	-30	329.6	108.6	21.5	0.0	438.2	1	
7	55	-13990	7	186	0	-267	-30	260.0	91.3	15.8	0.0	351.4	1	
8	55	-13770	6	199	0	-258	-29	255.9	88.4	16.9	0.0	344.3	1	
1A	111	-4427	-33	168	0	-64	27	82.3	37.0	14.2	0.0	119.3	1	
1B	111	-4427	27	168	0	-64	-74	82.3	71.7	14.2	0.0	154.0	1	
1C	111	-4427	-33	-41	0	-120	27	82.3	51.5	3.5	0.0	133.8	1	
1D	111	-4427	27	-41	0	-120	-74	82.3	86.3	3.5	0.0	168.6	1	
1E	111	-2191	-33	168	0	-64	27	40.7	37.0	14.2	0.0	77.7	1	
1F	111	-2191	27	168	0	-64	-74	40.7	71.7	14.2	0.0	112.5	1	
1G	111	-2191	-33	-41	0	-120	27	40.7	51.5	3.5	0.0	92.2	1	
1H	111	-2191	27	-41	0	-120	-74	40.7	86.3	3.5	0.0	127.0	1	
1I	111	-5525	-23	215	0	-70	2	102.7	19.2	18.3	0.0	122.1	3	
1J	111	-5525	17	215	0	-70	-48	102.7	53.9	18.3	0.0	156.6	1	
1K	111	-5525	-23	-89	0	-114	2	102.7	30.6	7.6	0.0	133.3	1	
1L	111	-5525	17	-89	0	-114	-48	102.7	65.3	7.6	0.0	168.0	1	
1M	111	-1093	-23	215	0	-70	2	20.3	19.2	18.3	0.0	46.0	3	
1N	111	-1093	17	215	0	-70	-48	20.3	53.9	18.3	0.0	74.2	1	
1O	111	-1093	-23	-89	0	-114	2	20.3	30.6	7.6	0.0	50.9	1	
1P	111	-1093	17	-89	0	-114	-48	20.3	65.3	7.6	0.0	85.7	1	
2	111	-17700	10	253	0	-474	-25	329.0	140.6	21.5	0.0	469.6	1	
7	111	-13960	7	186	0	-370	-26	259.5	114.8	15.8	0.0	374.2	1	
8	111	-13740	6	199	0	-368	-26	255.4	114.4	16.9	0.0	369.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4473	47	25	23	23	14	1.03	1.00	116.2	
1B	-4473	47	68	23	23	14	1.03	1.00	148.9	
1C	-4473	146	25	23	23	14	1.03	1.00	141.5	
1D	-4473	146	68	23	23	14	1.03	1.00	174.2	

1E	-2237	47	25	23	23	14	1.03	1.00	73.3
1F	-2237	47	68	23	23	14	1.03	1.00	106.0
1G	-2237	146	25	23	23	14	1.03	1.00	98.7
1H	-2237	146	68	23	23	14	1.03	1.00	131.3
1I	-5571	67	2	23	23	14	1.03	1.00	125.5
1J	-5571	67	45	23	23	14	1.03	1.00	158.1
1K	-5571	168	2	23	23	14	1.03	1.00	151.3
1L	-5571	168	45	23	23	14	1.03	1.00	183.9
1M	-1139	67	2	23	23	14	1.03	1.00	40.6
1N	-1139	67	45	23	23	14	1.03	1.00	73.2
1O	-1139	168	2	23	23	14	1.03	1.00	66.4
1P	-1139	168	45	23	23	14	1.03	1.00	99.0
2	-17760	362	31	23	23	14	1.03	1.00	457.2
7	-14020	288	31	23	23	14	1.03	1.00	366.0
8	-13800	280	30	23	23	14	1.03	1.00	359.0

ASTA NUM. 248 NI 655 NF 654 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4266	-53	76	0	-37	30	79.3	31.9	6.5	0.0	111.2	1	
1B	0	-4266	71	76	0	-37	-93	79.3	79.3	6.5	0.0	158.6	1	
1C	0	-4266	-53	-24	0	-113	30	79.3	51.3	2.0	0.0	130.6	1	
1D	0	-4266	71	-24	0	-113	-93	79.3	98.7	2.7	0.0	178.0	1	
1E	0	-2486	-53	76	0	-37	30	46.2	31.9	6.5	0.0	78.1	1	
1F	0	-2486	71	76	0	-37	-93	46.2	79.3	6.5	0.0	125.5	1	
1G	0	-2486	-53	-24	0	-113	30	46.2	51.3	2.0	0.0	97.5	1	
1H	0	-2486	71	-24	0	-113	-93	46.2	98.7	2.7	0.0	144.9	1	
1I	0	-5288	-58	156	0	3	-2	98.3	1.9	13.2	0.0	101.1	3	
1J	0	-5288	76	156	0	3	-62	98.3	47.0	13.2	0.0	145.3	1	
1K	0	-5288	-58	-103	0	-153	-2	98.3	40.5	8.8	0.0	138.8	1	
1L	0	-5288	76	-103	0	-153	-62	98.3	85.5	8.8	0.0	183.8	1	
1M	0	-1464	-58	156	0	3	-2	27.2	1.9	13.2	0.0	35.6	4	
1N	0	-1464	76	156	0	3	-62	27.2	47.0	13.2	0.0	74.2	1	
1O	0	-1464	-58	-103	0	-153	-2	27.2	40.5	8.8	0.0	67.7	1	
1P	0	-1464	76	-103	0	-153	-62	27.2	85.5	8.8	0.0	112.7	1	
2	0	-17990	66	31	0	-403	-41	334.4	134.5	2.6	0.0	468.9	1	
7	0	-14150	57	17	0	-322	-42	263.0	114.2	2.1	0.0	377.2	1	
8	0	-13960	49	29	0	-314	-41	259.5	111.2	2.5	0.0	370.7	1	
1A	55	-4243	-53	76	0	-92	65	78.9	72.2	6.5	0.0	151.0	1	
1B	55	-4243	71	76	0	-92	-118	78.9	112.3	6.5	0.0	191.1	1	
1C	55	-4243	-53	-24	0	-87	65	78.9	71.1	2.0	0.0	149.9	1	
1D	55	-4243	71	-24	0	-87	-118	78.9	111.1	2.7	0.0	190.0	1	
1E	55	-2462	-53	76	0	-92	65	45.8	72.2	6.5	0.0	117.9	1	
1F	55	-2462	71	76	0	-92	-118	45.8	112.3	6.5	0.0	158.0	1	
1G	55	-2462	-53	-24	0	-87	65	45.8	71.1	2.0	0.0	116.8	1	
1H	55	-2462	71	-24	0	-87	-118	45.8	111.1	2.7	0.0	156.9	1	
1I	55	-5265	-58	156	0	-87	36	97.9	49.3	13.2	0.0	147.2	1	
1J	55	-5265	76	156	0	-87	-89	97.9	89.4	13.2	0.0	187.3	1	
1K	55	-5265	-58	-103	0	-92	36	97.9	50.5	8.8	0.0	148.3	1	
1L	55	-5265	76	-103	0	-92	-89	97.9	90.5	8.8	0.0	188.4	1	
1M	55	-1440	-58	156	0	-87	36	26.8	49.3	13.2	0.0	76.1	1	
1N	55	-1440	76	156	0	-87	-89	26.8	89.4	13.2	0.0	116.2	1	
1O	55	-1440	-58	-103	0	-92	36	26.8	50.5	8.8	0.0	77.2	1	
1P	55	-1440	76	-103	0	-92	-89	26.8	90.5	8.8	0.0	117.3	1	
2	55	-17955	66	31	0	-420	-5	333.7	111.5	2.6	0.0	445.2	1	
7	55	-14120	57	17	0	-332	-10	262.5	92.9	2.1	0.0	355.4	1	
8	55	-13930	49	29	0	-330	-14	258.9	95.1	2.5	0.0	354.0	1	
1A	111	-4220	-53	76	0	-146	100	78.4	112.4	6.5	0.0	190.9	1	
1B	111	-4220	71	76	0	-146	-144	78.4	145.2	6.5	0.0	223.6	1	
1C	111	-4220	-53	-24	0	-62	100	78.4	90.8	2.0	0.0	169.2	1	
1D	111	-4220	71	-24	0	-62	-144	78.4	123.6	2.7	0.0	202.0	1	
1E	111	-2438	-53	76	0	-146	100	45.3	112.4	6.5	0.0	157.8	1	
1F	111	-2438	71	76	0	-146	-144	45.3	145.2	6.5	0.0	190.5	1	
1G	111	-2438	-53	-24	0	-62	100	45.3	90.8	2.0	0.0	136.1	1	
1H	111	-2438	71	-24	0	-62	-144	45.3	123.6	2.7	0.0	168.9	1	
1I	111	-5241	-58	156	0	-177	73	97.4	100.6	13.2	0.0	198.0	1	
1J	111	-5241	76	156	0	-177	-117	97.4	133.3	13.2	0.0	230.8	1	
1K	111	-5241	-58	-103	0	-30	73	97.4	62.8	8.8	0.0	160.2	1	
1L	111	-5241	76	-103	0	-30	-117	97.4	95.5	8.8	0.0	193.0	1	
1M	111	-1417	-58	156	0	-177	73	26.3	100.6	13.2	0.0	126.9	1	
1N	111	-1417	76	156	0	-177	-117	26.3	133.3	13.2	0.0	159.7	1	
1O	111	-1417	-58	-103	0	-30	73	26.3	62.8	8.8	0.0	89.1	1	
1P	111	-1417	76	-103	0	-30	-117	26.3	95.5	8.8	0.0	121.9	1	
2	111	-17920	66	31	0	-437	32	333.1	136.5	2.6	0.0	469.6	1	
7	111	-14090	57	17	0	-341	22	261.9	104.0	2.1	0.0	365.9	1	
8	111	-13900	49	29	0	-346	13	258.4	99.0	2.5	0.0	357.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4266	102	72	23	23	14	1.03	1.00	162.0	
1B	-4266	102	124	23	23	14	1.03	1.00	200.7	
1C	-4266	92	72	23	23	14	1.03	1.00	159.4	
1D	-4266	92	124	23	23	14	1.03	1.00	198.1	
1E	-2486	102	72	23	23	14	1.03	1.00	127.9	

1F	-2486	102	124	23	23	14	1.03	1.00	166.6
1G	-2486	92	72	23	23	14	1.03	1.00	125.3
1H	-2486	92	124	23	23	14	1.03	1.00	163.9
1I	-5288	105	43	23	23	14	1.03	1.00	160.9
1J	-5288	105	95	23	23	14	1.03	1.00	199.6
1K	-5288	104	43	23	23	14	1.03	1.00	160.6
1L	-5288	104	95	23	23	14	1.03	1.00	199.3
1M	-1464	105	43	23	23	14	1.03	1.00	87.6
1N	-1464	105	95	23	23	14	1.03	1.00	126.3
1O	-1464	104	43	23	23	14	1.03	1.00	87.3
1P	-1464	104	95	23	23	14	1.03	1.00	125.9
2	-17990	424	16	23	23	14	1.03	1.00	466.2
7	-14150	334	17	23	23	14	1.03	1.00	369.6
8	-13960	333	19	23	23	14	1.03	1.00	367.5

ASTA NUM. 249 NI 654 NF 653 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5824	-34	284	0	-33	100	108.3	83.4	24.1	0.0	191.7	1	
1B	0	-5824	63	284	0	-33	-165	108.3	131.8	24.1	0.0	240.0	1	
1C	0	-5824	-34	-130	0	-142	100	108.3	111.3	11.0	0.0	219.6	1	
1D	0	-5824	63	-130	0	-142	-165	108.3	159.7	11.0	0.0	267.9	1	
1E	0	-2186	-34	284	0	-33	100	40.6	83.4	24.1	0.0	124.1	1	
1F	0	-2186	63	284	0	-33	-165	40.6	131.8	24.1	0.0	172.4	1	
1G	0	-2186	-34	-130	0	-142	100	40.6	111.3	11.0	0.0	152.0	1	
1H	0	-2186	63	-130	0	-142	-165	40.6	159.7	11.0	0.0	200.3	1	
1I	0	-5831	-52	328	0	-64	69	108.4	68.0	27.8	0.0	176.4	1	
1J	0	-5831	81	328	0	-64	-133	108.4	116.4	27.8	0.0	224.7	1	
1K	0	-5831	-52	-174	0	-111	69	108.4	80.1	14.8	0.0	188.5	1	
1L	0	-5831	81	-174	0	-111	-133	108.4	128.4	14.8	0.0	236.8	1	
1M	0	-2179	-52	328	0	-64	69	40.5	68.0	27.8	0.0	108.5	1	
1N	0	-2179	81	328	0	-64	-133	40.5	116.4	27.8	0.0	156.9	1	
1O	0	-2179	-52	-174	0	-111	69	40.5	80.1	14.8	0.0	120.6	1	
1P	0	-2179	81	-174	0	-111	-133	40.5	128.4	14.8	0.0	168.9	1	
2	0	-20300	80	499	0	-374	17	377.3	109.1	42.3	0.0	486.4	1	
7	0	-15600	70	349	0	-299	7	290.0	81.9	29.6	0.0	371.8	1	
8	0	-15740	61	376	0	-296	-1	292.6	76.9	31.8	0.0	369.5	1	
1A	55	-5801	-34	284	0	-193	122	107.8	141.4	24.1	0.0	249.2	1	
1B	55	-5801	63	284	0	-193	-171	107.8	177.7	24.1	0.0	285.5	1	
1C	55	-5801	-34	-130	0	-68	122	107.8	109.0	11.0	0.0	216.8	1	
1D	55	-5801	63	-130	0	-68	-171	107.8	145.3	11.0	0.0	253.1	1	
1E	55	-2162	-34	284	0	-193	122	40.2	141.4	24.1	0.0	181.5	1	
1F	55	-2162	63	284	0	-193	-171	40.2	177.7	24.1	0.0	217.8	1	
1G	55	-2162	-34	-130	0	-68	122	40.2	109.0	11.0	0.0	149.2	1	
1H	55	-2162	63	-130	0	-68	-171	40.2	145.3	11.0	0.0	185.5	1	
1I	55	-5808	-52	328	0	-252	109	107.9	146.4	27.8	0.0	254.3	1	
1J	55	-5808	81	328	0	-252	-157	107.9	182.7	27.8	0.0	290.6	1	
1K	55	-5808	-52	-174	0	-9	109	107.9	83.8	14.8	0.0	191.8	1	
1L	55	-5808	81	-174	0	-9	-157	107.9	120.1	14.8	0.0	228.1	1	
1M	55	-2155	-52	328	0	-252	109	40.1	146.4	27.8	0.0	186.4	1	
1N	55	-2155	81	328	0	-252	-157	40.1	182.7	27.8	0.0	222.7	1	
1O	55	-2155	-52	-174	0	-9	109	40.1	83.8	14.8	0.0	123.9	1	
1P	55	-2155	81	-174	0	-9	-157	40.1	120.1	14.8	0.0	160.2	1	
2	55	-20270	80	499	0	-650	61	376.8	213.2	42.3	0.0	590.0	1	
7	55	-15570	70	349	0	-492	45	289.4	160.6	29.6	0.0	450.0	1	
8	55	-15710	61	376	0	-504	33	292.0	154.3	31.8	0.0	446.3	1	
1A	111	-5777	-34	284	0	-353	145	107.4	199.3	24.1	0.0	306.6	1	
1B	111	-5777	63	284	0	-353	-177	107.4	223.5	24.1	0.0	330.9	1	
1C	111	-5777	-34	-130	0	7	145	107.4	110.2	11.0	0.0	217.6	1	
1D	111	-5777	63	-130	0	7	-177	107.4	134.5	11.0	0.0	241.8	1	
1E	111	-2139	-34	284	0	-353	145	39.8	199.3	24.1	0.0	239.0	1	
1F	111	-2139	63	284	0	-353	-177	39.8	223.5	24.1	0.0	263.3	1	
1G	111	-2139	-34	-130	0	7	145	39.8	110.2	11.0	0.0	149.9	1	
1H	111	-2139	63	-130	0	7	-177	39.8	134.5	11.0	0.0	174.2	1	
1I	111	-5784	-52	328	0	-440	149	107.5	224.7	27.8	0.0	332.2	1	
1J	111	-5784	81	328	0	-440	-181	107.5	249.0	27.8	0.0	356.5	1	
1K	111	-5784	-52	-174	0	93	149	107.5	135.6	14.8	0.0	243.1	1	
1L	111	-5784	81	-174	0	93	-181	107.5	159.9	14.8	0.0	267.4	1	
1M	111	-2132	-52	328	0	-440	149	39.6	224.7	27.8	0.0	264.3	1	
1N	111	-2132	81	328	0	-440	-181	39.6	249.0	27.8	0.0	288.6	1	
1O	111	-2132	-52	-174	0	93	149	39.6	135.6	14.8	0.0	175.2	1	
1P	111	-2132	81	-174	0	93	-181	39.6	159.9	14.8	0.0	199.5	1	
2	111	-20240	80	499	0	-926	106	376.2	317.3	42.3	0.0	693.5	1	
7	111	-15540	70	349	0	-685	84	288.8	239.2	29.6	0.0	528.1	1	
8	111	-15680	61	376	0	-712	66	291.4	232.9	31.8	0.0	524.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5824	225	127	23	23	14	1.03	1.00	264.8	
1B	-5824	225	172	23	23	14	1.03	1.00	298.7	
1C	-5824	82	127	23	23	14	1.03	1.00	228.0	
1D	-5824	82	172	23	23	14	1.03	1.00	262.0	
1E	-2186	225	127	23	23	14	1.03	1.00	194.9	
1F	-2186	225	172	23	23	14	1.03	1.00	228.8	

1G	-2186	82	127	23	23	14	1.03	1.00	158.1
1H	-2186	82	172	23	23	14	1.03	1.00	192.1
1I	-5831	289	117	23	23	14	1.03	1.00	274.0
1J	-5831	289	162	23	23	14	1.03	1.00	308.0
1K	-5831	44	117	23	23	14	1.03	1.00	210.9
1L	-5831	44	162	23	23	14	1.03	1.00	244.9
1M	-2179	289	117	23	23	14	1.03	1.00	203.9
1N	-2179	289	162	23	23	14	1.03	1.00	237.8
1O	-2179	44	117	23	23	14	1.03	1.00	140.8
1P	-2179	44	162	23	23	14	1.03	1.00	174.7
2	-20300	705	70	23	23	14	1.03	1.00	623.8
7	-15600	531	53	23	23	14	1.03	1.00	475.6
8	-15740	546	40	23	23	14	1.03	1.00	472.0

ASTA NUM. 250 NI 620 NF 619 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18465	-11	422	0	432	27	343.2	131.6	35.7	0.0	474.8	1	
1B	0	-18465	10	422	0	432	-18	343.2	124.7	35.7	0.0	467.9	1	
1C	0	-18465	-11	-80	0	-232	27	343.2	80.2	6.8	0.0	423.4	1	
1D	0	-18465	10	-80	0	-232	-18	343.2	73.4	6.8	0.0	416.6	1	
1E	0	6691	-11	422	0	432	27	124.4	131.6	35.7	0.0	256.0	1	
1F	0	6691	10	422	0	432	-18	124.4	124.7	35.7	0.0	249.1	1	
1G	0	6691	-11	-80	0	-232	27	124.4	80.2	6.8	0.0	204.6	1	
1H	0	6691	10	-80	0	-232	-18	124.4	73.4	6.8	0.0	197.7	1	
1I	0	-26259	-11	397	0	711	21	488.1	198.7	33.6	0.0	686.7	1	
1J	0	-26259	11	397	0	711	-12	488.1	191.8	33.6	0.0	679.9	1	
1K	0	-26259	-11	-55	0	-511	21	488.1	147.3	4.7	0.0	635.4	1	
1L	0	-26259	11	-55	0	-511	-12	488.1	140.4	4.7	0.0	628.5	1	
1M	0	14485	-11	397	0	711	21	269.2	198.7	33.6	0.0	467.9	1	
1N	0	14485	11	397	0	711	-12	269.2	191.8	33.6	0.0	461.0	1	
1O	0	14485	-11	-55	0	-511	21	269.2	147.3	4.7	0.0	416.5	1	
1P	0	14485	11	-55	0	-511	-12	269.2	140.4	4.7	0.0	409.7	1	
2	0	-16310	-6	222	0	-46	2	303.2	13.1	18.8	0.0	316.3	1	
7	0	-15620	-5	204	0	-54	2	290.3	15.5	17.3	0.0	305.8	1	
8	0	-13860	-4	220	0	1	3	257.6	2.5	18.7	0.0	260.1	1	
1A	55	-18442	-11	422	0	265	32	342.8	92.3	35.7	0.0	435.0	1	
1B	55	-18442	10	422	0	265	-23	342.8	85.7	35.7	0.0	428.5	1	
1C	55	-18442	-11	-80	0	-254	32	342.8	89.5	6.8	0.0	432.3	1	
1D	55	-18442	10	-80	0	-254	-23	342.8	82.9	6.8	0.0	425.7	1	
1E	55	6714	-11	422	0	265	32	124.8	92.3	35.7	0.0	217.1	1	
1F	55	6714	10	422	0	265	-23	124.8	85.7	35.7	0.0	210.5	1	
1G	55	6714	-11	-80	0	-254	32	124.8	89.5	6.8	0.0	214.3	1	
1H	55	6714	10	-80	0	-254	-23	124.8	82.9	6.8	0.0	207.7	1	
1I	55	-26235	-11	397	0	513	27	487.6	152.1	33.6	0.0	639.7	1	
1J	55	-26235	11	397	0	513	-18	487.6	145.5	33.6	0.0	633.1	1	
1K	55	-26235	-11	-55	0	-502	27	487.6	149.3	4.7	0.0	636.9	1	
1L	55	-26235	11	-55	0	-502	-18	487.6	142.7	4.7	0.0	630.3	1	
1M	55	14508	-11	397	0	513	27	269.7	152.1	33.6	0.0	421.7	1	
1N	55	14508	11	397	0	513	-18	269.7	145.5	33.6	0.0	415.1	1	
1O	55	14508	-11	-55	0	-502	27	269.7	149.3	4.7	0.0	418.9	1	
1P	55	14508	11	-55	0	-502	-18	269.7	142.7	4.7	0.0	412.3	1	
2	55	-16280	-6	222	0	-169	-2	302.6	44.8	18.8	0.0	347.4	1	
7	55	-15590	-5	204	0	-167	-1	289.8	43.6	17.3	0.0	333.4	1	
8	55	-13830	-4	220	0	-121	0	257.1	31.4	18.7	0.0	288.5	1	
1A	111	-18418	-11	422	0	99	37	342.3	52.9	35.7	0.0	395.3	1	
1B	111	-18418	10	422	0	99	-28	342.3	46.6	35.7	0.0	389.0	1	
1C	111	-18418	-11	-80	0	-276	37	342.3	98.7	6.8	0.0	441.1	1	
1D	111	-18418	10	-80	0	-276	-28	342.3	92.4	6.8	0.0	434.8	1	
1E	111	6738	-11	422	0	99	37	125.2	52.9	35.7	0.0	178.2	1	
1F	111	6738	10	422	0	99	-28	125.2	46.6	35.7	0.0	171.9	1	
1G	111	6738	-11	-80	0	-276	37	125.2	98.7	6.8	0.0	224.0	1	
1H	111	6738	10	-80	0	-276	-28	125.2	92.4	6.8	0.0	217.7	1	
1I	111	-26212	-11	397	0	316	32	487.2	105.4	33.6	0.0	592.7	1	
1J	111	-26212	11	397	0	316	-24	487.2	99.1	33.6	0.0	586.3	1	
1K	111	-26212	-11	-55	0	-493	32	487.2	151.2	4.7	0.0	638.4	1	
1L	111	-26212	11	-55	0	-493	-24	487.2	144.9	4.7	0.0	632.1	1	
1M	111	14532	-11	397	0	316	32	270.1	105.4	33.6	0.0	375.6	1	
1N	111	14532	11	397	0	316	-24	270.1	99.1	33.6	0.0	369.2	1	
1O	111	14532	-11	-55	0	-493	32	270.1	151.2	4.7	0.0	421.3	1	
1P	111	14532	11	-55	0	-493	-24	270.1	144.9	4.7	0.0	415.0	1	
2	111	-16250	-6	222	0	-292	-5	302.0	78.9	18.8	0.0	381.0	1	
7	111	-15560	-5	204	0	-280	-4	289.2	74.8	17.3	0.0	364.0	1	
8	111	-13800	-4	220	0	-243	-2	256.5	63.9	18.7	0.0	320.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18465	299	33	23	23	14	1.03	1.00	455.5	
1B	-18465	299	24	23	23	14	1.03	1.00	448.9	
1C	-18465	259	33	23	23	14	1.03	1.00	445.3	
1D	-18465	259	24	23	23	14	1.03	1.00	438.7	
1E	6738	299	33	23	23	14	1.00	1.00	226.8	
1F	6738	299	24	23	23	14	1.00	1.00	220.3	
1G	6738	259	33	23	23	14	1.00	1.00	216.6	

1H	6738	259	24	23	23	14	1.00	1.00	210.0
1I	-26259	553	28	23	23	14	1.03	1.00	666.7
1J	-26259	553	19	23	23	14	1.03	1.00	660.1
1K	-26259	504	28	23	23	14	1.03	1.00	654.2
1L	-26259	504	19	23	23	14	1.03	1.00	647.5
1M	14532	553	28	23	23	14	1.00	1.00	433.2
1N	14532	553	19	23	23	14	1.00	1.00	426.7
1O	14532	504	28	23	23	14	1.00	1.00	420.7
1P	14532	504	19	23	23	14	1.00	1.00	414.1
2	-16310	194	2	23	23	14	1.03	1.00	364.0
7	-15620	190	1	23	23	14	1.03	1.00	349.1
8	-13860	145	1	23	23	14	1.03	1.00	303.6

ASTA NUM. 251 NI 619 NF 618 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18103	-43	94	0	220	41	336.5	86.8	7.9	0.0	423.3	1	
1B	0	-18103	24	94	0	220	-27	336.5	76.9	7.9	0.0	413.4	1	
1C	0	-18103	-43	-331	0	-354	41	336.5	121.5	28.1	0.0	458.0	1	
1D	0	-18103	24	-331	0	-354	-27	336.5	111.6	28.1	0.0	448.1	1	
1E	0	6253	-43	94	0	220	41	116.2	86.8	7.9	0.0	203.1	1	
1F	0	6253	24	94	0	220	-27	116.2	76.9	7.9	0.0	193.2	1	
1G	0	6253	-43	-331	0	-354	41	116.2	121.5	28.1	0.0	237.7	1	
1H	0	6253	24	-331	0	-354	-27	116.2	111.6	28.1	0.0	227.8	1	
1I	0	-25604	-25	156	0	511	31	475.9	154.7	13.2	0.0	630.6	1	
1J	0	-25604	6	156	0	511	-18	475.9	144.8	13.2	0.0	620.7	1	
1K	0	-25604	-25	-393	0	-645	31	475.9	189.4	33.4	0.0	665.3	1	
1L	0	-25604	6	-393	0	-645	-18	475.9	179.5	33.4	0.0	655.4	1	
1M	0	13754	-25	156	0	511	31	255.6	154.7	13.2	0.0	410.4	1	
1N	0	13754	6	156	0	511	-18	255.6	144.8	13.2	0.0	400.5	1	
1O	0	13754	-25	-393	0	-645	31	255.6	189.4	33.4	0.0	445.0	1	
1P	0	13754	6	-393	0	-645	-18	255.6	179.5	33.4	0.0	435.1	1	
2	0	-16170	-14	-266	0	-312	-0	300.6	80.4	22.5	0.0	381.0	1	
7	0	-15470	-14	-257	0	-302	1	287.5	78.4	21.8	0.0	365.9	1	
8	0	-13780	-13	-234	0	-249	2	256.1	65.8	19.8	0.0	321.9	1	
1A	55	-18080	-43	94	0	208	3	336.1	55.6	7.9	0.0	391.7	1	
1B	55	-18080	24	94	0	208	0	336.1	53.8	7.9	0.0	389.8	1	
1C	55	-18080	-43	-331	0	-211	3	336.1	56.5	28.1	0.0	392.5	1	
1D	55	-18080	24	-331	0	-211	0	336.1	54.6	28.1	0.0	390.7	1	
1E	55	6276	-43	94	0	208	3	116.7	55.6	7.9	0.0	172.3	1	
1F	55	6276	24	94	0	208	0	116.7	53.8	7.9	0.0	170.4	1	
1G	55	6276	-43	-331	0	-211	3	116.7	56.5	28.1	0.0	173.1	1	
1H	55	6276	24	-331	0	-211	0	116.7	54.6	28.1	0.0	171.3	1	
1I	55	-25580	-25	156	0	438	27	475.5	132.9	13.2	0.0	608.3	1	
1J	55	-25580	6	156	0	438	-24	475.5	130.6	13.2	0.0	606.1	1	
1K	55	-25580	-25	-393	0	-441	27	475.5	133.7	33.4	0.0	609.2	1	
1L	55	-25580	6	-393	0	-441	-24	475.5	131.5	33.4	0.0	607.0	1	
1M	55	13777	-25	156	0	438	27	256.1	132.9	13.2	0.0	389.0	1	
1N	55	13777	6	156	0	438	-24	256.1	130.6	13.2	0.0	386.7	1	
1O	55	13777	-25	-393	0	-441	27	256.1	133.7	33.4	0.0	389.8	1	
1P	55	13777	6	-393	0	-441	-24	256.1	131.5	33.4	0.0	387.6	1	
2	55	-16140	-14	-266	0	-165	-8	300.0	48.5	22.5	0.0	348.5	1	
7	55	-15440	-14	-257	0	-160	-7	287.0	46.1	21.8	0.0	333.1	1	
8	55	-13750	-13	-234	0	-120	-5	255.6	34.7	19.8	0.0	290.3	1	
1A	111	-18056	-43	94	0	197	-35	335.6	76.9	7.9	0.0	412.5	1	
1B	111	-18056	24	94	0	197	28	335.6	71.4	7.9	0.0	407.0	1	
1C	111	-18056	-43	-331	0	-69	-35	335.6	43.9	28.1	0.0	379.5	1	
1D	111	-18056	24	-331	0	-69	28	335.6	38.4	28.1	0.0	374.1	1	
1E	111	6300	-43	94	0	197	-35	117.1	76.9	7.9	0.0	194.0	1	
1F	111	6300	24	94	0	197	28	117.1	71.4	7.9	0.0	188.5	1	
1G	111	6300	-43	-331	0	-69	-35	117.1	43.9	28.1	0.0	161.0	1	
1H	111	6300	24	-331	0	-69	28	117.1	38.4	28.1	0.0	155.5	1	
1I	111	-25556	-25	156	0	365	23	475.0	111.0	13.2	0.0	586.1	1	
1J	111	-25556	6	156	0	365	-30	475.0	116.5	13.2	0.0	591.5	1	
1K	111	-25556	-25	-393	0	-236	23	475.0	78.0	33.4	0.0	553.1	1	
1L	111	-25556	6	-393	0	-236	-30	475.0	83.5	33.4	0.0	558.5	1	
1M	111	13800	-25	156	0	365	23	256.5	111.0	13.2	0.0	367.5	1	
1N	111	13800	6	156	0	365	-30	256.5	116.5	13.2	0.0	373.0	1	
1O	111	13800	-25	-393	0	-236	23	256.5	78.0	33.4	0.0	334.6	1	
1P	111	13800	6	-393	0	-236	-30	256.5	83.5	33.4	0.0	340.0	1	
2	111	-16110	-14	-266	0	-18	-16	299.4	16.5	22.5	0.0	316.0	1	
7	111	-15410	-14	-257	0	-17	-15	286.4	15.4	21.8	0.0	301.8	1	
8	111	-13720	-13	-234	0	10	-13	255.0	11.9	19.8	0.0	266.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18103	210	16	23	23	14	1.03	1.00	413.1	
1B	-18103	210	11	23	23	14	1.03	1.00	409.3	
1C	-18103	240	16	23	23	14	1.03	1.00	420.8	
1D	-18103	240	11	23	23	14	1.03	1.00	416.9	
1E	6300	210	16	23	23	14	1.00	1.00	183.4	
1F	6300	210	11	23	23	14	1.00	1.00	179.6	
1G	6300	240	16	23	23	14	1.00	1.00	191.0	
1H	6300	240	11	23	23	14	1.00	1.00	187.2	

1I	-25604	452	28	23	23	14	1.03	1.00	628.2
1J	-25604	452	25	23	23	14	1.03	1.00	626.3
1K	-25604	482	28	23	23	14	1.03	1.00	635.9
1L	-25604	482	25	23	23	14	1.03	1.00	633.9
1M	13800	452	28	23	23	14	1.00	1.00	393.8
1N	13800	452	25	23	23	14	1.00	1.00	391.8
1O	13800	482	28	23	23	14	1.00	1.00	401.4
1P	13800	482	25	23	23	14	1.00	1.00	399.5
2	-16170	194	10	23	23	14	1.03	1.00	367.0
7	-15470	188	8	23	23	14	1.03	1.00	351.0
8	-13780	146	7	23	23	14	1.03	1.00	306.4

ASTA NUM. 252 NI 618 NF 617 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14135	-28	307	0	254	26	262.7	84.8	26.0	0.0	347.5	1	
1B	0	-14135	9	307	0	254	-29	262.7	87.2	26.0	0.0	349.9	1	
1C	0	-14135	-28	55	0	-84	26	262.7	41.2	4.7	0.0	303.9	1	
1D	0	-14135	9	55	0	-84	-29	262.7	43.6	4.7	0.0	306.3	1	
1E	0	41	-28	307	0	254	26	0.8	84.8	26.0	0.0	85.5	1	
1F	0	41	9	307	0	254	-29	0.8	87.2	26.0	0.0	88.0	1	
1G	0	41	-28	55	0	-84	26	0.8	41.2	4.7	0.0	41.9	1	
1H	0	41	9	55	0	-84	-29	0.8	43.6	4.7	0.0	44.3	1	
1I	0	-17500	-18	449	0	536	17	325.3	150.5	38.1	0.0	475.7	1	
1J	0	-17500	-0	449	0	536	-20	325.3	152.9	38.1	0.0	478.2	1	
1K	0	-17500	-18	-87	0	-366	17	325.3	106.8	7.4	0.0	432.1	1	
1L	0	-17500	-0	-87	0	-366	-20	325.3	109.3	7.4	0.0	434.5	1	
1M	0	3406	-18	449	0	536	17	63.3	150.5	38.1	0.0	213.8	1	
1N	0	3406	-0	449	0	536	-20	63.3	152.9	38.1	0.0	216.2	1	
1O	0	3406	-18	-87	0	-366	17	63.3	106.8	7.4	0.0	170.1	1	
1P	0	3406	-0	-87	0	-366	-20	63.3	109.3	7.4	0.0	172.6	1	
2	0	-15050	-15	204	0	-37	-13	279.7	19.0	17.3	0.0	298.7	1	
7	0	-14230	-14	187	0	-39	-11	264.5	18.0	15.9	0.0	282.5	1	
8	0	-13370	-14	211	0	3	-9	248.5	7.9	17.9	0.0	256.4	1	
1A	55	-14112	-28	307	0	120	26	262.3	50.7	26.0	0.0	313.0	1	
1B	55	-14112	9	307	0	120	-40	262.3	60.6	26.0	0.0	322.9	1	
1C	55	-14112	-28	55	0	-151	26	262.3	58.6	4.7	0.0	320.9	1	
1D	55	-14112	9	55	0	-151	-40	262.3	68.6	4.7	0.0	330.9	1	
1E	55	64	-28	307	0	120	26	1.2	50.7	26.0	0.0	51.9	1	
1F	55	64	9	307	0	120	-40	1.2	60.6	26.0	0.0	61.8	1	
1G	55	64	-28	55	0	-151	26	1.2	58.6	4.7	0.0	59.8	1	
1H	55	64	9	55	0	-151	-40	1.2	68.6	4.7	0.0	69.8	1	
1I	55	-17476	-18	449	0	300	15	324.8	88.2	38.1	0.0	413.0	1	
1J	55	-17476	-0	449	0	300	-28	324.8	98.1	38.1	0.0	423.0	1	
1K	55	-17476	-18	-87	0	-331	15	324.8	96.1	7.4	0.0	421.0	1	
1L	55	-17476	-0	-87	0	-331	-28	324.8	106.1	7.4	0.0	430.9	1	
1M	55	3429	-18	449	0	300	15	63.7	88.2	38.1	0.0	151.9	1	
1N	55	3429	-0	449	0	300	-28	63.7	98.1	38.1	0.0	161.9	1	
1O	55	3429	-18	-87	0	-331	15	63.7	96.1	7.4	0.0	159.9	1	
1P	55	3429	-0	-87	0	-331	-28	63.7	106.1	7.4	0.0	169.8	1	
2	55	-15020	-15	204	0	-150	-21	279.2	54.0	17.3	0.0	333.2	1	
7	55	-14195	-14	187	0	-143	-18	263.8	50.5	15.9	0.0	314.4	1	
8	55	-13340	-14	211	0	-114	-17	248.0	42.0	17.9	0.0	290.0	1	
1A	111	-14088	-28	307	0	-13	26	261.9	23.0	26.0	0.0	284.9	1	
1B	111	-14088	9	307	0	-13	-50	261.9	40.5	26.0	0.0	302.4	1	
1C	111	-14088	-28	55	0	-219	26	261.9	76.1	4.7	0.0	337.9	1	
1D	111	-14088	9	55	0	-219	-50	261.9	93.6	4.7	0.0	355.5	1	
1E	111	88	-28	307	0	-13	26	1.6	23.0	26.0	0.0	45.2	4	
1F	111	88	9	307	0	-13	-50	1.6	40.5	26.0	0.0	45.2	4	
1G	111	88	-28	55	0	-219	26	1.6	76.1	4.7	0.0	77.7	1	
1H	111	88	9	55	0	-219	-50	1.6	93.6	4.7	0.0	95.2	1	
1I	111	-17453	-18	449	0	65	12	324.4	25.9	38.1	0.0	350.3	1	
1J	111	-17453	-0	449	0	65	-36	324.4	43.4	38.1	0.0	367.8	1	
1K	111	-17453	-18	-87	0	-296	12	324.4	85.4	7.4	0.0	409.8	1	
1L	111	-17453	-0	-87	0	-296	-36	324.4	102.9	7.4	0.0	427.3	1	
1M	111	3453	-18	449	0	65	12	64.2	25.9	38.1	0.0	98.6	3	
1N	111	3453	-0	449	0	65	-36	64.2	43.4	38.1	0.0	107.6	1	
1O	111	3453	-18	-87	0	-296	12	64.2	85.4	7.4	0.0	149.6	1	
1P	111	3453	-0	-87	0	-296	-36	64.2	102.9	7.4	0.0	167.1	1	
2	111	-14990	-15	204	0	-263	-29	278.6	89.1	17.3	0.0	367.7	1	
7	111	-14160	-14	187	0	-246	-26	263.2	83.1	15.9	0.0	346.3	1	
8	111	-13310	-14	211	0	-231	-25	247.4	77.7	17.9	0.0	325.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14135	147	26	23	23	14	1.03	1.00	328.4	
1B	-14135	147	42	23	23	14	1.03	1.00	339.9	
1C	-14135	165	26	23	23	14	1.03	1.00	333.0	
1D	-14135	165	42	23	23	14	1.03	1.00	344.5	
1E	88	147	26	23	23	14	1.00	1.00	59.2	
1F	88	147	42	23	23	14	1.00	1.00	70.6	
1G	88	165	26	23	23	14	1.00	1.00	63.7	
1H	88	165	42	23	23	14	1.00	1.00	75.2	
1I	-17500	347	15	23	23	14	1.03	1.00	436.0	

1J	-17500	347	29	23	23	14	1.03	1.00	446.9
1K	-17500	338	15	23	23	14	1.03	1.00	433.7
1L	-17500	338	29	23	23	14	1.03	1.00	444.5
1M	3453	347	15	23	23	14	1.00	1.00	164.8
1N	3453	347	29	23	23	14	1.00	1.00	175.6
1O	3453	338	15	23	23	14	1.00	1.00	162.4
1P	3453	338	29	23	23	14	1.00	1.00	173.2
2	-15050	173	22	23	23	14	1.03	1.00	349.4
7	-14230	163	20	23	23	14	1.03	1.00	329.7
8	-13370	137	19	23	23	14	1.03	1.00	305.3

ASTA NUM. 253 NI 617 NF 616 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13807	-46	43	0	101	28	256.6	46.9	3.6	0.0	303.6	1	
1B	0	-13807	13	43	0	101	-45	256.6	59.3	3.6	0.0	315.9	1	
1C	0	-13807	-46	-292	0	-290	28	256.6	95.6	24.8	0.0	352.2	1	
1D	0	-13807	13	-292	0	-290	-45	256.6	107.9	24.8	0.0	364.5	1	
1E	0	-361	-46	43	0	101	28	6.7	46.9	3.6	0.0	53.7	1	
1F	0	-361	13	43	0	101	-45	6.7	59.3	3.6	0.0	66.0	1	
1G	0	-361	-46	-292	0	-290	28	6.7	95.6	24.8	0.0	102.3	1	
1H	0	-361	13	-292	0	-290	-45	6.7	107.9	24.8	0.0	114.6	1	
1I	0	-16890	-37	141	0	250	14	313.9	74.4	11.9	0.0	388.3	1	
1J	0	-16890	4	141	0	250	-30	313.9	86.7	11.9	0.0	400.7	1	
1K	0	-16890	-37	-390	0	-439	14	313.9	123.1	33.1	0.0	437.0	1	
1L	0	-16890	4	-390	0	-439	-30	313.9	135.4	33.1	0.0	449.3	1	
1M	0	2722	-37	141	0	250	14	50.6	74.4	11.9	0.0	125.0	1	
1N	0	2722	4	141	0	250	-30	50.6	86.7	11.9	0.0	137.3	1	
1O	0	2722	-37	-390	0	-439	14	50.6	123.1	33.1	0.0	173.6	1	
1P	0	2722	4	-390	0	-439	-30	50.6	135.4	33.1	0.0	185.9	1	
2	0	-14910	-13	-279	0	-281	-26	277.1	91.6	23.6	0.0	368.8	1	
7	0	-14080	-15	-270	0	-267	-23	261.7	85.6	22.9	0.0	347.3	1	
8	0	-13280	-15	-245	0	-236	-21	246.8	76.7	20.8	0.0	323.5	1	
1A	55	-13783	-46	43	0	85	31	256.2	45.1	3.6	0.0	301.3	1	
1B	55	-13783	13	43	0	85	-66	256.2	71.1	3.6	0.0	327.3	1	
1C	55	-13783	-46	-292	0	-136	31	256.2	58.3	24.8	0.0	314.5	1	
1D	55	-13783	13	-292	0	-136	-66	256.2	84.3	24.8	0.0	340.5	1	
1E	55	-338	-46	43	0	85	31	6.3	45.1	3.6	0.0	51.4	1	
1F	55	-338	13	43	0	85	-66	6.3	71.1	3.6	0.0	77.4	1	
1G	55	-338	-46	-292	0	-136	31	6.3	58.3	24.8	0.0	64.5	1	
1H	55	-338	13	-292	0	-136	-66	6.3	84.3	24.8	0.0	90.6	1	
1I	55	-16866	-37	141	0	176	9	313.5	52.1	11.9	0.0	365.6	1	
1J	55	-16866	4	141	0	176	-44	313.5	78.1	11.9	0.0	391.6	1	
1K	55	-16866	-37	-390	0	-227	9	313.5	65.3	33.1	0.0	378.8	1	
1L	55	-16866	4	-390	0	-227	-44	313.5	91.3	33.1	0.0	404.8	1	
1M	55	2745	-37	141	0	176	9	51.0	52.1	11.9	0.0	103.1	1	
1N	55	2745	4	141	0	176	-44	51.0	78.1	11.9	0.0	129.2	1	
1O	55	2745	-37	-390	0	-227	9	51.0	65.3	33.1	0.0	116.3	1	
1P	55	2745	4	-390	0	-227	-44	51.0	91.3	33.1	0.0	142.3	1	
2	55	-14880	-13	-279	0	-127	-33	276.6	57.2	23.6	0.0	333.8	1	
7	55	-14050	-15	-270	0	-117	-31	261.2	53.5	22.9	0.0	314.7	1	
8	55	-13250	-15	-245	0	-101	-30	246.3	48.0	20.8	0.0	294.3	1	
1A	111	-13760	-46	43	0	69	34	255.8	43.3	3.6	0.0	299.0	1	
1B	111	-13760	13	43	0	69	-87	255.8	83.0	3.6	0.0	338.7	1	
1C	111	-13760	-46	-292	0	18	34	255.8	30.1	24.8	0.0	285.8	1	
1D	111	-13760	13	-292	0	18	-87	255.8	69.8	24.8	0.0	325.5	1	
1E	111	-314	-46	43	0	69	34	5.8	43.3	3.6	0.0	49.1	1	
1F	111	-314	13	43	0	69	-87	5.8	83.0	3.6	0.0	88.8	1	
1G	111	-314	-46	-292	0	18	34	5.8	30.1	24.8	0.0	43.4	4	
1H	111	-314	13	-292	0	18	-87	5.8	69.8	24.8	0.0	75.6	1	
1I	111	-16842	-37	141	0	103	5	313.1	29.8	11.9	0.0	342.9	1	
1J	111	-16842	4	141	0	103	-58	313.1	69.5	11.9	0.0	382.6	1	
1K	111	-16842	-37	-390	0	-16	5	313.1	7.5	33.1	0.0	320.9	3	
1L	111	-16842	4	-390	0	-16	-58	313.1	47.2	33.1	0.0	360.3	1	
1M	111	2768	-37	141	0	103	5	51.5	29.8	11.9	0.0	81.3	1	
1N	111	2768	4	141	0	103	-58	51.5	69.5	11.9	0.0	121.0	1	
1O	111	2768	-37	-390	0	-16	5	51.5	7.5	33.1	0.0	77.1	4	
1P	111	2768	4	-390	0	-16	-58	51.5	47.2	33.1	0.0	98.7	1	
2	111	-14850	-13	-279	0	27	-40	276.0	36.9	23.6	0.0	312.9	1	
7	111	-14020	-15	-270	0	32	-40	260.6	37.8	22.9	0.0	298.4	1	
8	111	-13220	-15	-245	0	35	-38	245.7	37.4	20.8	0.0	283.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13807	88	32	23	23	14	1.03	1.00	310.9	
1B	-13807	88	70	23	23	14	1.03	1.00	339.8	
1C	-13807	167	32	23	23	14	1.03	1.00	331.2	
1D	-13807	167	70	23	23	14	1.03	1.00	360.2	
1E	-361	88	32	23	23	14	1.03	1.00	53.3	
1F	-361	88	70	23	23	14	1.03	1.00	82.0	
1G	-361	167	32	23	23	14	1.03	1.00	73.5	
1H	-361	167	70	23	23	14	1.03	1.00	102.3	
1I	-16890	191	10	23	23	14	1.03	1.00	380.1	
1J	-16890	191	47	23	23	14	1.03	1.00	407.8	

1K	-16890	270	10	23	23	14	1.03	1.00	400.5
1L	-16890	270	47	23	23	14	1.03	1.00	428.1
1M	2768	191	10	23	23	14	1.00	1.00	108.0
1N	2768	191	47	23	23	14	1.00	1.00	135.4
1O	2768	270	10	23	23	14	1.00	1.00	128.3
1P	2768	270	47	23	23	14	1.00	1.00	155.7
2	-14910	158	34	23	23	14	1.03	1.00	351.9
7	-14080	147	33	23	23	14	1.03	1.00	332.3
8	-13280	128	31	23	23	14	1.03	1.00	310.7

ASTA NUM. 254 NI 616 NF 615 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10520	-41	312	0	164	31	195.5	65.6	26.5	0.0	261.2	1	
1B	0	-10520	0	312	0	164	-78	195.5	100.3	26.5	0.0	295.8	1	
1C	0	-10520	-41	73	0	-36	31	195.5	32.8	6.2	0.0	228.3	1	
1D	0	-10520	0	73	0	-36	-78	195.5	67.4	6.2	0.0	262.9	1	
1E	0	-5856	-41	312	0	164	31	108.8	65.6	26.5	0.0	174.5	1	
1F	0	-5856	0	312	0	164	-78	108.8	100.3	26.5	0.0	209.1	1	
1G	0	-5856	-41	73	0	-36	31	108.8	32.8	6.2	0.0	141.6	1	
1H	0	-5856	0	73	0	-36	-78	108.8	67.4	6.2	0.0	176.2	1	
1I	0	-10596	-38	477	0	280	6	196.9	76.8	40.4	0.0	273.7	1	
1J	0	-10596	-3	477	0	280	-53	196.9	111.4	40.4	0.0	308.4	1	
1K	0	-10596	-38	-92	0	-152	6	196.9	43.9	7.8	0.0	240.9	1	
1L	0	-10596	-3	-92	0	-152	-53	196.9	78.6	7.8	0.0	275.5	1	
1M	0	-5780	-38	477	0	280	6	107.4	76.8	40.4	0.0	184.2	1	
1N	0	-5780	-3	477	0	280	-53	107.4	111.4	40.4	0.0	218.9	1	
1O	0	-5780	-38	-92	0	-152	6	107.4	43.9	7.8	0.0	151.4	1	
1P	0	-5780	-3	-92	0	-152	-53	107.4	78.6	7.8	0.0	186.0	1	
2	0	-13800	-19	205	0	8	-40	256.5	32.3	17.4	0.0	288.8	1	
7	0	-12840	-21	190	0	10	-39	238.7	31.8	16.1	0.0	270.5	1	
8	0	-12870	-21	216	0	28	-37	239.2	35.0	18.3	0.0	274.2	1	
1A	55	-10497	-41	312	0	-12	20	195.1	17.8	26.5	0.0	212.9	1	
1B	55	-10497	0	312	0	-12	-89	195.1	69.6	26.5	0.0	264.7	1	
1C	55	-10497	-41	73	0	-73	20	195.1	33.4	6.2	0.0	228.5	1	
1D	55	-10497	0	73	0	-73	-89	195.1	85.1	6.2	0.0	280.3	1	
1E	55	-5832	-41	312	0	-12	20	108.4	17.8	26.5	0.0	126.2	1	
1F	55	-5832	0	312	0	-12	-89	108.4	69.6	26.5	0.0	178.0	1	
1G	55	-5832	-41	73	0	-73	20	108.4	33.4	6.2	0.0	141.8	1	
1H	55	-5832	0	73	0	-73	-89	108.4	85.1	6.2	0.0	193.6	1	
1I	55	-10572	-38	477	0	14	-2	196.5	4.8	40.4	0.0	209.1	3	
1J	55	-10572	-3	477	0	14	-67	196.5	54.0	40.4	0.0	250.5	1	
1K	55	-10572	-38	-92	0	-99	-2	196.5	26.8	7.8	0.0	223.3	1	
1L	55	-10572	-3	-92	0	-99	-67	196.5	76.0	7.8	0.0	272.5	1	
1M	55	-5757	-38	477	0	14	-2	107.0	4.8	40.4	0.0	127.9	4	
1N	55	-5757	-3	477	0	14	-67	107.0	54.0	40.4	0.0	161.0	1	
1O	55	-5757	-38	-92	0	-99	-2	107.0	26.8	7.8	0.0	133.8	1	
1P	55	-5757	-3	-92	0	-99	-67	107.0	76.0	7.8	0.0	183.0	1	
2	55	-13770	-19	205	0	-106	-51	255.9	65.1	17.4	0.0	321.1	1	
7	55	-12810	-21	190	0	-95	-51	238.1	62.5	16.1	0.0	300.6	1	
8	55	-12840	-21	216	0	-92	-49	238.7	59.9	18.3	0.0	298.5	1	
1A	111	-10473	-41	312	0	-189	8	194.7	54.4	26.5	0.0	249.0	1	
1B	111	-10473	0	312	0	-189	-100	194.7	123.3	26.5	0.0	317.9	1	
1C	111	-10473	-41	73	0	-110	8	194.7	34.0	6.2	0.0	228.7	1	
1D	111	-10473	0	73	0	-110	-100	194.7	102.9	6.2	0.0	297.6	1	
1E	111	-5809	-41	312	0	-189	8	108.0	54.4	26.5	0.0	162.4	1	
1F	111	-5809	0	312	0	-189	-100	108.0	123.3	26.5	0.0	231.2	1	
1G	111	-5809	-41	73	0	-110	8	108.0	34.0	6.2	0.0	142.0	1	
1H	111	-5809	0	73	0	-110	-100	108.0	102.9	6.2	0.0	210.9	1	
1I	111	-10549	-38	477	0	-252	-10	196.1	72.3	40.4	0.0	268.3	1	
1J	111	-10549	-3	477	0	-252	-82	196.1	126.5	40.4	0.0	322.6	1	
1K	111	-10549	-38	-92	0	-46	-10	196.1	19.1	7.8	0.0	215.2	1	
1L	111	-10549	-3	-92	0	-46	-82	196.1	73.4	7.8	0.0	269.5	1	
1M	111	-5733	-38	477	0	-252	-10	106.6	72.3	40.4	0.0	178.8	1	
1N	111	-5733	-3	477	0	-252	-82	106.6	126.5	40.4	0.0	233.1	1	
1O	111	-5733	-38	-92	0	-46	-10	106.6	19.1	7.8	0.0	125.7	1	
1P	111	-5733	-3	-92	0	-46	-82	106.6	73.4	7.8	0.0	180.0	1	
2	111	-13740	-19	205	0	-219	-61	255.4	101.9	17.4	0.0	357.3	1	
7	111	-12780	-21	190	0	-200	-62	237.5	98.3	16.1	0.0	335.8	1	
8	111	-12810	-21	216	0	-211	-60	238.1	99.3	18.3	0.0	337.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10520	76	22	23	23	14	1.03	1.00	237.4	
1B	-10520	76	91	23	23	14	1.03	1.00	289.3	
1C	-10520	80	22	23	23	14	1.03	1.00	238.6	
1D	-10520	80	91	23	23	14	1.03	1.00	290.5	
1E	-5856	76	22	23	23	14	1.03	1.00	148.0	
1F	-5856	76	91	23	23	14	1.03	1.00	199.8	
1G	-5856	80	22	23	23	14	1.03	1.00	149.2	
1H	-5856	80	91	23	23	14	1.03	1.00	201.0	
1I	-10596	112	4	23	23	14	1.03	1.00	234.7	
1J	-10596	112	70	23	23	14	1.03	1.00	284.7	
1K	-10596	110	4	23	23	14	1.03	1.00	234.1	

1L	-10596	110	70	23	23	14	1.03	1.00	284.1
1M	-5780	112	4	23	23	14	1.03	1.00	142.5
1N	-5780	112	70	23	23	14	1.03	1.00	192.3
1O	-5780	110	4	23	23	14	1.03	1.00	141.9
1P	-5780	110	70	23	23	14	1.03	1.00	191.8
2	-13800	128	53	23	23	14	1.03	1.00	337.0
7	-12840	116	53	23	23	14	1.03	1.00	315.8
8	-12870	115	51	23	23	14	1.03	1.00	314.4

ASTA NUM. 255 NI 615 NF 614 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10412	-64	64	0	-70	3	193.5	20.4	5.4	0.0	213.9	1	
1B	0	-10412	-1	64	0	-70	-114	193.5	103.3	5.4	0.0	296.9	1	
1C	0	-10412	-64	-316	0	-188	3	193.5	50.8	26.8	0.0	244.3	1	
1D	0	-10412	-1	-316	0	-188	-114	193.5	133.7	26.8	0.0	327.3	1	
1E	0	-6026	-64	64	0	-70	3	112.0	20.4	5.4	0.0	132.4	1	
1F	0	-6026	-1	64	0	-70	-114	112.0	103.3	5.4	0.0	215.3	1	
1G	0	-6026	-64	-316	0	-188	3	112.0	50.8	26.8	0.0	162.8	1	
1H	0	-6026	-1	-316	0	-188	-114	112.0	133.7	26.8	0.0	245.7	1	
1I	0	-10649	-71	162	0	-60	-14	197.9	26.1	13.7	0.0	224.0	1	
1J	0	-10649	5	162	0	-60	-97	197.9	87.9	13.7	0.0	285.8	1	
1K	0	-10649	-71	-414	0	-199	-14	197.9	61.7	35.1	0.0	259.6	1	
1L	0	-10649	5	-414	0	-199	-97	197.9	123.5	35.1	0.0	321.4	1	
1M	0	-5789	-71	162	0	-60	-14	107.6	26.1	13.7	0.0	133.7	1	
1N	0	-5789	5	162	0	-60	-97	107.6	87.9	13.7	0.0	195.5	1	
1O	0	-5789	-71	-414	0	-199	-14	107.6	61.7	35.1	0.0	169.3	1	
1P	0	-5789	5	-414	0	-199	-97	107.6	123.5	35.1	0.0	231.1	1	
2	0	-13660	-19	-271	0	-236	-78	253.9	119.1	23.0	0.0	373.0	1	
7	0	-12700	-25	-264	0	-220	-79	236.1	115.4	22.4	0.0	351.5	1	
8	0	-12780	-26	-240	0	-217	-75	237.5	112.2	20.4	0.0	349.8	1	
1A	55	-10389	-64	64	0	-107	-7	193.1	32.8	5.4	0.0	225.9	1	
1B	55	-10389	-1	64	0	-107	-140	193.1	132.2	5.4	0.0	325.3	1	
1C	55	-10389	-64	-316	0	-13	-7	193.1	8.5	26.8	0.0	201.6	1	
1D	55	-10389	-1	-316	0	-13	-140	193.1	107.9	26.8	0.0	301.0	1	
1E	55	-6003	-64	64	0	-107	-7	111.6	32.8	5.4	0.0	144.4	1	
1F	55	-6003	-1	64	0	-107	-140	111.6	132.2	5.4	0.0	243.7	1	
1G	55	-6003	-64	-316	0	-13	-7	111.6	8.5	26.8	0.0	121.8	3	
1H	55	-6003	-1	-316	0	-13	-140	111.6	107.9	26.8	0.0	219.4	1	
1I	55	-10626	-71	162	0	-154	-17	197.5	52.3	13.7	0.0	249.8	1	
1J	55	-10626	5	162	0	-154	-130	197.5	136.7	13.7	0.0	334.2	1	
1K	55	-10626	-71	-414	0	34	-17	197.5	21.5	35.1	0.0	219.0	1	
1L	55	-10626	5	-414	0	34	-130	197.5	106.0	35.1	0.0	303.5	1	
1M	55	-5766	-71	162	0	-154	-17	107.2	52.3	13.7	0.0	159.5	1	
1N	55	-5766	5	162	0	-154	-130	107.2	136.7	13.7	0.0	243.9	1	
1O	55	-5766	-71	-414	0	34	-17	107.2	21.5	35.1	0.0	128.7	1	
1P	55	-5766	5	-414	0	34	-130	107.2	106.0	35.1	0.0	213.1	1	
2	55	-13630	-19	-271	0	-86	-88	253.3	88.4	23.0	0.0	341.8	1	
7	55	-12665	-25	-264	0	-74	-92	235.4	88.3	22.4	0.0	323.7	1	
8	55	-12750	-26	-240	0	-84	-90	237.0	88.8	20.4	0.0	325.8	1	
1A	111	-10366	-64	64	0	-144	-17	192.7	49.8	5.4	0.0	242.5	1	
1B	111	-10366	-1	64	0	-144	-166	192.7	161.0	5.4	0.0	353.7	1	
1C	111	-10366	-64	-316	0	163	-17	192.7	54.9	26.8	0.0	247.6	1	
1D	111	-10366	-1	-316	0	163	-166	192.7	166.1	26.8	0.0	358.7	1	
1E	111	-5980	-64	64	0	-144	-17	111.2	49.8	5.4	0.0	161.0	1	
1F	111	-5980	-1	64	0	-144	-166	111.2	161.0	5.4	0.0	272.1	1	
1G	111	-5980	-64	-316	0	163	-17	111.2	54.9	26.8	0.0	166.0	1	
1H	111	-5980	-1	-316	0	163	-166	111.2	166.1	26.8	0.0	277.2	1	
1I	111	-10603	-71	162	0	-247	-20	197.1	78.5	13.7	0.0	275.6	1	
1J	111	-10603	5	162	0	-247	-163	197.1	185.6	13.7	0.0	382.7	1	
1K	111	-10603	-71	-414	0	267	-20	197.1	83.6	35.1	0.0	280.7	1	
1L	111	-10603	5	-414	0	267	-163	197.1	190.7	35.1	0.0	387.7	1	
1M	111	-5743	-71	162	0	-247	-20	106.8	78.5	13.7	0.0	185.3	1	
1N	111	-5743	5	162	0	-247	-163	106.8	185.6	13.7	0.0	292.3	1	
1O	111	-5743	-71	-414	0	267	-20	106.8	83.6	35.1	0.0	190.3	1	
1P	111	-5743	5	-414	0	267	-163	106.8	190.7	35.1	0.0	297.4	1	
2	111	-13600	-19	-271	0	64	-99	252.8	90.6	23.0	0.0	343.4	1	
7	111	-12630	-25	-264	0	72	-106	234.8	98.0	22.4	0.0	332.8	1	
8	111	-12720	-26	-240	0	49	-104	236.4	90.6	20.4	0.0	327.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10412	114	9	23	23	14	1.03	1.00	235.6	
1B	-10412	114	145	23	23	14	1.03	1.00	337.9	
1C	-10412	75	9	23	23	14	1.03	1.00	225.6	
1D	-10412	75	145	23	23	14	1.03	1.00	327.8	
1E	-6026	114	9	23	23	14	1.03	1.00	151.6	
1F	-6026	114	145	23	23	14	1.03	1.00	253.6	
1G	-6026	75	9	23	23	14	1.03	1.00	141.6	
1H	-6026	75	145	23	23	14	1.03	1.00	243.6	
1I	-10649	172	18	23	23	14	1.03	1.00	261.6	
1J	-10649	172	136	23	23	14	1.03	1.00	351.0	
1K	-10649	107	18	23	23	14	1.03	1.00	244.6	
1L	-10649	107	136	23	23	14	1.03	1.00	334.0	

1M	-5789	172	18	23	23	14	1.03	1.00	168.5
1N	-5789	172	136	23	23	14	1.03	1.00	257.7
1O	-5789	107	18	23	23	14	1.03	1.00	151.5
1P	-5789	107	136	23	23	14	1.03	1.00	240.8
2	-13660	116	91	23	23	14	1.03	1.00	359.8
7	-12700	103	95	23	23	14	1.03	1.00	341.5
8	-12780	110	93	23	23	14	1.03	1.00	343.0

ASTA NUM. 256 NI 614 NF 613 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11657	-74	811	0	106	-21	216.7	43.1	68.8	0.0	263.6	3	
1B	0	-11657	20	811	0	106	-206	216.7	181.1	68.8	0.0	397.8	1	
1C	0	-11657	-74	-43	0	-51	-21	216.7	29.1	3.6	0.0	245.7	1	
1D	0	-11657	20	-43	0	-51	-206	216.7	167.1	3.6	0.0	383.8	1	
1E	0	-6095	-74	811	0	106	-21	113.3	43.1	68.8	0.0	173.8	3	
1F	0	-6095	20	811	0	106	-206	113.3	181.1	68.8	0.0	294.4	1	
1G	0	-6095	-74	-43	0	-51	-21	113.3	29.1	3.6	0.0	142.4	1	
1H	0	-6095	20	-43	0	-51	-206	113.3	167.1	3.6	0.0	280.4	1	
1I	0	-15794	-72	1422	0	152	-28	293.6	59.8	120.6	0.0	377.6	3	
1J	0	-15794	18	1422	0	152	-199	293.6	188.2	120.6	0.0	481.8	1	
1K	0	-15794	-72	-654	0	-98	-28	293.6	45.8	55.5	0.0	339.4	1	
1L	0	-15794	18	-654	0	-98	-199	293.6	174.2	55.5	0.0	467.8	1	
1M	0	-1958	-72	1422	0	152	-28	36.4	59.8	120.6	0.0	212.1	4	
1N	0	-1958	18	1422	0	152	-199	36.4	188.2	120.6	0.0	224.6	1	
1O	0	-1958	-72	-654	0	-98	-28	36.4	45.8	55.5	0.0	103.9	3	
1P	0	-1958	18	-654	0	-98	-199	36.4	174.2	55.5	0.0	210.6	1	
2	0	-13570	-10	-241	0	53	-133	252.2	113.0	20.4	0.0	365.2	1	
7	0	-12290	-16	-150	0	57	-140	228.4	119.3	12.7	0.0	347.7	1	
8	0	-12930	-17	-26	0	47	-136	240.3	114.0	2.2	0.0	354.3	1	
1A	55	-11633	-74	811	0	127	-39	216.2	61.9	68.8	0.0	278.1	1	
1B	55	-11633	20	811	0	127	-218	216.2	195.8	68.8	0.0	412.0	1	
1C	55	-11633	-74	-43	0	-498	-39	216.2	157.3	3.6	0.0	373.5	1	
1D	55	-11633	20	-43	0	-498	-218	216.2	291.1	3.6	0.0	507.4	1	
1E	55	-6072	-74	811	0	127	-39	112.9	61.9	68.8	0.0	177.8	3	
1F	55	-6072	20	811	0	127	-218	112.9	195.8	68.8	0.0	308.7	1	
1G	55	-6072	-74	-43	0	-498	-39	112.9	157.3	3.6	0.0	270.1	1	
1H	55	-6072	20	-43	0	-498	-218	112.9	291.1	3.6	0.0	404.0	1	
1I	55	-15771	-72	1422	0	512	-29	293.1	153.0	120.6	0.0	451.2	3	
1J	55	-15771	18	1422	0	512	-228	293.1	302.5	120.6	0.0	595.6	1	
1K	55	-15771	-72	-654	0	-882	-29	293.1	248.3	55.5	0.0	541.5	1	
1L	55	-15771	18	-654	0	-882	-228	293.1	397.8	55.5	0.0	691.0	1	
1M	55	-1934	-72	1422	0	512	-29	35.9	153.0	120.6	0.0	240.8	3	
1N	55	-1934	18	1422	0	512	-228	35.9	302.5	120.6	0.0	338.4	1	
1O	55	-1934	-72	-654	0	-882	-29	35.9	248.3	55.5	0.0	284.3	1	
1P	55	-1934	18	-654	0	-882	-228	35.9	397.8	55.5	0.0	433.8	1	
2	55	-13540	-10	-241	0	186	-138	251.7	151.3	20.4	0.0	403.0	1	
7	55	-12260	-16	-150	0	140	-149	227.9	147.3	12.7	0.0	375.2	1	
8	55	-12900	-17	-26	0	62	-145	239.8	124.7	2.2	0.0	364.5	1	
1A	111	-11610	-74	811	0	149	-57	215.8	80.8	68.8	0.0	296.6	1	
1B	111	-11610	20	811	0	149	-230	215.8	210.5	68.8	0.0	426.3	1	
1C	111	-11610	-74	-43	0	-944	-57	215.8	285.4	3.6	0.0	501.2	1	
1D	111	-11610	20	-43	0	-944	-230	215.8	415.1	3.6	0.0	630.9	1	
1E	111	-6048	-74	811	0	149	-57	112.4	80.8	68.8	0.0	193.2	1	
1F	111	-6048	20	811	0	149	-230	112.4	210.5	68.8	0.0	322.9	1	
1G	111	-6048	-74	-43	0	-944	-57	112.4	285.4	3.6	0.0	397.9	1	
1H	111	-6048	20	-43	0	-944	-230	112.4	415.1	3.6	0.0	527.6	1	
1I	111	-15747	-72	1422	0	871	-29	292.7	246.2	120.6	0.0	538.9	1	
1J	111	-15747	18	1422	0	871	-257	292.7	416.7	120.6	0.0	709.4	1	
1K	111	-15747	-72	-654	0	-1666	-29	292.7	450.9	55.5	0.0	743.6	1	
1L	111	-15747	18	-654	0	-1666	-257	292.7	621.4	55.5	0.0	914.1	1	
1M	111	-1911	-72	1422	0	871	-29	35.5	246.2	120.6	0.0	300.3	3	
1N	111	-1911	18	1422	0	871	-257	35.5	416.7	120.6	0.0	452.2	1	
1O	111	-1911	-72	-654	0	-1666	-29	35.5	450.9	55.5	0.0	486.4	1	
1P	111	-1911	18	-654	0	-1666	-257	35.5	621.4	55.5	0.0	656.9	1	
2	111	-13510	-10	-241	0	319	-144	251.1	189.6	20.4	0.0	440.7	1	
7	111	-12230	-16	-150	0	223	-158	227.3	175.3	12.7	0.0	402.6	1	
8	111	-12870	-17	-26	0	76	-155	239.2	135.5	2.2	0.0	374.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11657	132	43	23	23	14	1.03	1.00	289.1	
1B	-11657	132	220	23	23	14	1.03	1.00	422.9	
1C	-11657	587	43	23	23	14	1.03	1.00	406.5	
1D	-11657	587	220	23	23	14	1.03	1.00	540.3	
1E	-6095	132	43	23	23	14	1.03	1.00	182.5	
1F	-6095	132	220	23	23	14	1.03	1.00	315.9	
1G	-6095	587	43	23	23	14	1.03	1.00	299.8	
1H	-6095	587	220	23	23	14	1.03	1.00	433.3	
1I	-15794	583	29	23	23	14	1.03	1.00	474.6	
1J	-15794	583	234	23	23	14	1.03	1.00	629.4	
1K	-15794	1039	29	23	23	14	1.03	1.00	592.1	
1L	-15794	1039	234	23	23	14	1.03	1.00	747.0	
1M	-1958	583	29	23	23	14	1.03	1.00	209.2	

1N	-1958	583	234	23	23	14	1.03	1.00	363.0
1O	-1958	1039	29	23	23	14	1.03	1.00	326.4
1P	-1958	1039	234	23	23	14	1.03	1.00	480.3
2	-13570	213	139	23	23	14	1.03	1.00	419.6
7	-12290	157	150	23	23	14	1.03	1.00	388.9
8	-12930	64	147	23	23	14	1.03	1.00	375.1

ASTA NUM. 257 NI 692 NF 691 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-13714	-4	251	0	228	36	254.9	85.2	21.2	0.0	340.1	1	
1B	0	-13714	25	251	0	228	-51	254.9	96.4	21.2	0.0	351.3	1	
1C	0	-13714	-4	-141	0	-146	36	254.9	64.2	11.9	0.0	319.1	1	
1D	0	-13714	25	-141	0	-146	-51	254.9	75.4	11.9	0.0	330.3	1	
1E	0	9980	-4	251	0	228	36	185.5	85.2	21.2	0.0	270.7	1	
1F	0	9980	25	251	0	228	-51	185.5	96.4	21.2	0.0	281.9	1	
1G	0	9980	-4	-141	0	-146	36	185.5	64.2	11.9	0.0	249.7	1	
1H	0	9980	25	-141	0	-146	-51	185.5	75.4	11.9	0.0	260.9	1	
1I	0	-9537	-19	125	0	212	21	177.3	70.3	10.6	0.0	247.5	1	
1J	0	-9537	40	125	0	212	-36	177.3	81.5	10.6	0.0	258.7	1	
1K	0	-9537	-19	-15	0	-130	21	177.3	49.2	1.3	0.0	226.5	1	
1L	0	-9537	40	-15	0	-130	-36	177.3	60.4	1.5	0.0	237.7	1	
1M	0	5803	-19	125	0	212	21	107.9	70.3	10.6	0.0	178.1	1	
1N	0	5803	40	125	0	212	-36	107.9	81.5	10.6	0.0	189.3	1	
1O	0	5803	-19	-15	0	-130	21	107.9	49.2	1.3	0.0	157.1	1	
1P	0	5803	40	-15	0	-130	-36	107.9	60.4	1.5	0.0	168.3	1	
2	0	-3052	0	195	0	64	-8	56.7	22.3	16.6	0.0	79.0	1	
7	0	-2152	-0	157	0	42	-6	40.0	14.9	13.3	0.0	54.9	1	
8	0	-2372	-1	154	0	48	-6	44.1	16.8	13.1	0.0	60.9	1	
1A	55	-13690	-4	251	0	53	38	254.5	42.1	21.2	0.0	296.6	1	
1B	55	-13690	25	251	0	53	-41	254.5	44.5	21.2	0.0	299.0	1	
1C	55	-13690	-4	-141	0	-32	38	254.5	36.7	11.9	0.0	291.1	1	
1D	55	-13690	25	-141	0	-32	-41	254.5	39.1	11.9	0.0	293.5	1	
1E	55	10003	-4	251	0	53	38	185.9	42.1	21.2	0.0	228.0	1	
1F	55	10003	25	251	0	53	-41	185.9	44.5	21.2	0.0	230.5	1	
1G	55	10003	-4	-141	0	-32	38	185.9	36.7	11.9	0.0	222.6	1	
1H	55	10003	25	-141	0	-32	-41	185.9	39.1	11.9	0.0	225.0	1	
1I	55	-9514	-19	125	0	165	1	176.8	43.3	10.6	0.0	220.1	1	
1J	55	-9514	40	125	0	165	-4	176.8	45.7	10.6	0.0	222.5	1	
1K	55	-9514	-19	-15	0	-144	1	176.8	37.8	1.3	0.0	214.7	1	
1L	55	-9514	40	-15	0	-144	-4	176.8	40.2	1.5	0.0	217.1	1	
1M	55	5826	-19	125	0	165	1	108.3	43.3	10.6	0.0	151.6	1	
1N	55	5826	40	125	0	165	-4	108.3	45.7	10.6	0.0	154.0	1	
1O	55	5826	-19	-15	0	-144	1	108.3	37.8	1.3	0.0	146.1	1	
1P	55	5826	40	-15	0	-144	-4	108.3	40.2	1.5	0.0	148.5	1	
2	55	-3022	0	195	0	-44	-8	56.2	17.3	16.6	0.0	73.4	1	
7	55	-2122	-0	157	0	-45	-6	39.4	16.0	13.3	0.0	55.4	1	
8	55	-2342	-1	154	0	-37	-6	43.5	14.1	13.1	0.0	57.7	1	
1A	111	-13667	-4	251	0	-121	40	254.0	61.2	21.2	0.0	315.2	1	
1B	111	-13667	25	251	0	-121	-32	254.0	54.8	21.2	0.0	308.8	1	
1C	111	-13667	-4	-141	0	81	40	254.0	51.0	11.9	0.0	305.0	1	
1D	111	-13667	25	-141	0	81	-32	254.0	44.6	11.9	0.0	298.7	1	
1E	111	10027	-4	251	0	-121	40	186.4	61.2	21.2	0.0	247.5	1	
1F	111	10027	25	251	0	-121	-32	186.4	54.8	21.2	0.0	241.2	1	
1G	111	10027	-4	-141	0	81	40	186.4	51.0	11.9	0.0	237.4	1	
1H	111	10027	25	-141	0	81	-32	186.4	44.6	11.9	0.0	231.0	1	
1I	111	-9490	-19	125	0	118	-19	176.4	44.6	10.6	0.0	220.9	1	
1J	111	-9490	40	125	0	118	27	176.4	50.9	10.6	0.0	227.3	1	
1K	111	-9490	-19	-15	0	-158	-19	176.4	54.7	1.3	0.0	231.1	1	
1L	111	-9490	40	-15	0	-158	27	176.4	61.1	1.5	0.0	237.5	1	
1M	111	5850	-19	125	0	118	-19	108.7	44.6	10.6	0.0	153.3	1	
1N	111	5850	40	125	0	118	27	108.7	50.9	10.6	0.0	159.7	1	
1O	111	5850	-19	-15	0	-158	-19	108.7	54.7	1.3	0.0	163.5	1	
1P	111	5850	40	-15	0	-158	27	108.7	61.1	1.5	0.0	169.8	1	
2	111	-2991	0	195	0	-152	-8	55.6	45.1	16.6	0.0	100.7	1	
7	111	-2091	-0	157	0	-132	-6	38.9	38.5	13.3	0.0	77.4	1	
8	111	-2311	-1	154	0	-123	-6	43.0	36.4	13.1	0.0	79.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13714	91	38	23	23	14	1.03	1.00	314.9	
1B	-13714	91	43	23	23	14	1.03	1.00	318.4	
1C	-13714	58	38	23	23	14	1.03	1.00	306.5	
1D	-13714	58	43	23	23	14	1.03	1.00	310.0	
1E	10027	91	38	23	23	14	1.00	1.00	238.5	
1F	10027	91	43	23	23	14	1.00	1.00	242.0	
1G	10027	58	38	23	23	14	1.00	1.00	230.1	
1H	10027	58	43	23	23	14	1.00	1.00	233.6	
1I	-9537	175	8	23	23	14	1.03	1.00	233.9	
1J	-9537	175	14	23	23	14	1.03	1.00	238.4	
1K	-9537	147	8	23	23	14	1.03	1.00	226.7	
1L	-9537	147	14	23	23	14	1.03	1.00	231.2	
1M	5850	175	8	23	23	14	1.00	1.00	159.9	
1N	5850	175	14	23	23	14	1.00	1.00	164.4	

1O	5850	147	8	23	23	14	1.00	1.00	152.8
1P	5850	147	14	23	23	14	1.00	1.00	157.3
2	-3052	66	8	23	23	14	1.03	1.00	81.3
7	-2152	63	6	23	23	14	1.03	1.00	61.7
8	-2372	54	6	23	23	14	1.03	1.00	64.0

ASTA NUM. 258 NI 691 NF 690 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8981	-34	248	0	167	49	166.9	79.5	21.0	0.0	246.4	1	
1B	0	-8981	21	248	0	167	-42	166.9	74.0	21.0	0.0	240.9	1	
1C	0	-8981	-34	-241	0	-165	49	166.9	79.2	20.5	0.0	246.1	1	
1D	0	-8981	21	-241	0	-165	-42	166.9	73.7	20.5	0.0	240.6	1	
1E	0	7213	-34	248	0	167	49	134.1	79.5	21.0	0.0	213.5	1	
1F	0	7213	21	248	0	167	-42	134.1	74.0	21.0	0.0	208.0	1	
1G	0	7213	-34	-241	0	-165	49	134.1	79.2	20.5	0.0	213.3	1	
1H	0	7213	21	-241	0	-165	-42	134.1	73.7	20.5	0.0	207.8	1	
1I	0	-6197	-45	150	0	197	36	115.2	77.6	12.7	0.0	192.8	1	
1J	0	-6197	32	150	0	197	-28	115.2	72.1	12.7	0.0	187.2	1	
1K	0	-6197	-45	-143	0	-196	36	115.2	77.3	12.1	0.0	192.5	1	
1L	0	-6197	32	-143	0	-196	-28	115.2	71.8	12.1	0.0	187.0	1	
1M	0	4429	-45	150	0	197	36	82.3	77.6	12.7	0.0	159.9	1	
1N	0	4429	32	150	0	197	-28	82.3	72.1	12.7	0.0	154.4	1	
1O	0	4429	-45	-143	0	-196	36	82.3	77.3	12.1	0.0	159.6	1	
1P	0	4429	32	-143	0	-196	-28	82.3	71.8	12.1	0.0	154.1	1	
2	0	411	4	16	0	-83	-3	7.6	23.5	1.4	0.0	31.1	1	
7	0	497	5	4	0	-81	-3	9.2	23.3	0.3	0.0	32.6	1	
8	0	238	3	8	0	-69	-2	4.4	19.5	0.7	0.0	23.9	1	
1A	55	-8957	-34	248	0	7	35	166.5	28.0	21.0	0.0	194.5	1	
1B	55	-8957	21	248	0	7	-35	166.5	27.9	21.0	0.0	194.4	1	
1C	55	-8957	-34	-241	0	-9	35	166.5	28.7	20.5	0.0	195.2	1	
1D	55	-8957	21	-241	0	-9	-35	166.5	28.6	20.5	0.0	195.1	1	
1E	55	7236	-34	248	0	7	35	134.5	28.0	21.0	0.0	162.5	1	
1F	55	7236	21	248	0	7	-35	134.5	27.9	21.0	0.0	162.4	1	
1G	55	7236	-34	-241	0	-9	35	134.5	28.7	20.5	0.0	163.2	1	
1H	55	7236	21	-241	0	-9	-35	134.5	28.6	20.5	0.0	163.1	1	
1I	55	-6173	-45	150	0	153	5	114.7	42.9	12.7	0.0	157.6	1	
1J	55	-6173	32	150	0	153	-5	114.7	42.7	12.7	0.0	157.5	1	
1K	55	-6173	-45	-143	0	-156	5	114.7	43.6	12.1	0.0	158.3	1	
1L	55	-6173	32	-143	0	-156	-5	114.7	43.4	12.1	0.0	158.2	1	
1M	55	4452	-45	150	0	153	5	82.8	42.9	12.7	0.0	125.6	1	
1N	55	4452	32	150	0	153	-5	82.8	42.7	12.7	0.0	125.5	1	
1O	55	4452	-45	-143	0	-156	5	82.8	43.6	12.1	0.0	126.3	1	
1P	55	4452	32	-143	0	-156	-5	82.8	43.4	12.1	0.0	126.2	1	
2	55	442	4	16	0	-92	-0	8.2	24.0	1.4	0.0	32.2	1	
7	55	527	5	4	0	-83	-0	9.8	21.7	0.3	0.0	31.5	1	
8	55	268	3	8	0	-74	-1	5.0	19.4	0.7	0.0	24.4	1	
1A	111	-8934	-34	248	0	-153	21	166.1	55.4	21.0	0.0	221.5	1	
1B	111	-8934	21	248	0	-153	-28	166.1	60.7	21.0	0.0	226.7	1	
1C	111	-8934	-34	-241	0	147	21	166.1	53.7	20.5	0.0	219.8	1	
1D	111	-8934	21	-241	0	147	-28	166.1	59.0	20.5	0.0	225.1	1	
1E	111	7260	-34	248	0	-153	21	134.9	55.4	21.0	0.0	190.4	1	
1F	111	7260	21	248	0	-153	-28	134.9	60.7	21.0	0.0	195.6	1	
1G	111	7260	-34	-241	0	147	21	134.9	53.7	20.5	0.0	188.7	1	
1H	111	7260	21	-241	0	147	-28	134.9	59.0	20.5	0.0	193.9	1	
1I	111	-6150	-45	150	0	108	-26	114.3	47.5	12.7	0.0	161.8	1	
1J	111	-6150	32	150	0	108	19	114.3	42.3	12.7	0.0	156.6	1	
1K	111	-6150	-45	-143	0	-115	-26	114.3	49.2	12.1	0.0	163.5	1	
1L	111	-6150	32	-143	0	-115	19	114.3	44.0	12.1	0.0	158.3	1	
1M	111	4476	-45	150	0	108	-26	83.2	47.5	12.7	0.0	130.7	1	
1N	111	4476	32	150	0	108	19	83.2	42.3	12.7	0.0	125.5	1	
1O	111	4476	-45	-143	0	-115	-26	83.2	49.2	12.1	0.0	132.4	1	
1P	111	4476	32	-143	0	-115	19	83.2	44.0	12.1	0.0	127.1	1	
2	111	472	4	16	0	-101	2	8.8	27.3	1.4	0.0	36.1	1	
7	111	558	5	4	0	-85	3	10.4	23.9	0.3	0.0	34.2	1	
8	111	299	3	8	0	-78	1	5.6	20.8	0.7	0.0	26.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8981	67	38	23	23	14	1.03	1.00	217.6	
1B	-8981	67	36	23	23	14	1.03	1.00	216.4	
1C	-8981	66	38	23	23	14	1.03	1.00	217.5	
1D	-8981	66	36	23	23	14	1.03	1.00	216.3	
1E	7260	67	38	23	23	14	1.00	1.00	180.4	
1F	7260	67	36	23	23	14	1.00	1.00	179.2	
1G	7260	66	38	23	23	14	1.00	1.00	180.3	
1H	7260	66	36	23	23	14	1.00	1.00	179.1	
1I	-6197	162	14	23	23	14	1.03	1.00	171.0	
1J	-6197	162	11	23	23	14	1.03	1.00	168.8	
1K	-6197	164	14	23	23	14	1.03	1.00	171.5	
1L	-6197	164	11	23	23	14	1.03	1.00	169.3	
1M	4476	162	14	23	23	14	1.00	1.00	135.5	
1N	4476	162	11	23	23	14	1.00	1.00	133.3	
1O	4476	164	14	23	23	14	1.00	1.00	136.0	

1P	4476	164	11	23	23	14	1.00	1.00	133.8
2	472	94	1	23	23	14	1.00	1.00	33.7
7	558	83	1	23	23	14	1.00	1.00	32.9
8	299	74	1	23	23	14	1.00	1.00	25.4

ASTA NUM. 259 NI 690 NF 689 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8981	-4	173	0	132	18	166.9	47.7	14.7	0.0	214.6	1	
1B	0	-8981	18	173	0	132	-27	166.9	54.4	14.7	0.0	221.4	1	
1C	0	-8981	-4	-58	0	-100	18	166.9	39.5	4.9	0.0	206.4	1	
1D	0	-8981	18	-58	0	-100	-27	166.9	46.2	4.9	0.0	213.2	1	
1E	0	7476	-4	173	0	132	18	139.0	47.7	14.7	0.0	186.6	1	
1F	0	7476	18	173	0	132	-27	139.0	54.4	14.7	0.0	193.4	1	
1G	0	7476	-4	-58	0	-100	18	139.0	39.5	4.9	0.0	178.4	1	
1H	0	7476	18	-58	0	-100	-27	139.0	46.2	4.9	0.0	185.2	1	
1I	0	-5965	-12	133	0	153	14	110.9	49.7	11.3	0.0	160.6	1	
1J	0	-5965	26	133	0	153	-23	110.9	56.5	11.3	0.0	167.4	1	
1K	0	-5965	-12	-17	0	-121	14	110.9	41.5	1.5	0.0	152.4	1	
1L	0	-5965	26	-17	0	-121	-23	110.9	48.3	1.5	0.0	159.2	1	
1M	0	4460	-12	133	0	153	14	82.9	49.7	11.3	0.0	132.6	1	
1N	0	4460	26	133	0	153	-23	82.9	56.5	11.3	0.0	139.4	1	
1O	0	4460	-12	-17	0	-121	14	82.9	41.5	1.5	0.0	124.4	1	
1P	0	4460	26	-17	0	-121	-23	82.9	48.3	1.5	0.0	131.2	1	
2	0	742	-1	197	0	-35	2	13.8	10.6	16.7	0.0	33.8	3	
7	0	761	-1	154	0	-37	2	14.2	10.9	13.1	0.0	30.2	3	
8	0	509	1	155	0	-28	1	9.5	7.8	13.2	0.0	25.6	3	
1A	55	-8958	-4	173	0	15	24	166.5	21.8	14.7	0.0	188.3	1	
1B	55	-8958	18	173	0	15	-25	166.5	22.9	14.7	0.0	189.4	1	
1C	55	-8958	-4	-58	0	-47	24	166.5	30.1	4.9	0.0	196.6	1	
1D	55	-8958	18	-58	0	-47	-25	166.5	31.1	4.9	0.0	197.6	1	
1E	55	7499	-4	173	0	15	24	139.4	21.8	14.7	0.0	161.2	1	
1F	55	7499	18	173	0	15	-25	139.4	22.9	14.7	0.0	162.3	1	
1G	55	7499	-4	-58	0	-47	24	139.4	30.1	4.9	0.0	169.5	1	
1H	55	7499	18	-58	0	-47	-25	139.4	31.1	4.9	0.0	170.5	1	
1I	55	-5941	-12	133	0	90	2	110.4	24.3	11.3	0.0	134.8	1	
1J	55	-5941	26	133	0	90	-3	110.4	25.4	11.3	0.0	135.8	1	
1K	55	-5941	-12	-17	0	-122	2	110.4	32.6	1.5	0.0	143.0	1	
1L	55	-5941	26	-17	0	-122	-3	110.4	33.6	1.5	0.0	144.1	1	
1M	55	4483	-12	133	0	90	2	83.3	24.3	11.3	0.0	107.7	1	
1N	55	4483	26	133	0	90	-3	83.3	25.4	11.3	0.0	108.7	1	
1O	55	4483	-12	-17	0	-122	2	83.3	32.6	1.5	0.0	115.9	1	
1P	55	4483	26	-17	0	-122	-3	83.3	33.6	1.5	0.0	117.0	1	
2	55	773	-1	197	0	-144	2	14.4	38.3	16.7	0.0	54.1	3	
7	55	792	-1	154	0	-122	1	14.7	32.5	13.1	0.0	47.3	3	
8	55	539	1	155	0	-114	2	10.0	30.4	13.2	0.0	41.4	3	
1A	111	-8934	-4	173	0	-101	29	166.1	47.8	14.7	0.0	213.9	1	
1B	111	-8934	18	173	0	-101	-23	166.1	43.2	14.7	0.0	209.3	1	
1C	111	-8934	-4	-58	0	5	29	166.1	23.2	4.9	0.0	189.2	1	
1D	111	-8934	18	-58	0	5	-23	166.1	18.6	4.9	0.0	184.6	1	
1E	111	7523	-4	173	0	-101	29	139.8	47.8	14.7	0.0	187.7	1	
1F	111	7523	18	173	0	-101	-23	139.8	43.2	14.7	0.0	183.0	1	
1G	111	7523	-4	-58	0	5	29	139.8	23.2	4.9	0.0	163.0	1	
1H	111	7523	18	-58	0	5	-23	139.8	18.6	4.9	0.0	158.4	1	
1I	111	-5918	-12	133	0	26	-10	110.0	14.5	11.3	0.0	124.5	1	
1J	111	-5918	26	133	0	26	17	110.0	19.1	11.3	0.0	129.2	1	
1K	111	-5918	-12	-17	0	-122	-10	110.0	39.2	1.5	0.0	149.2	1	
1L	111	-5918	26	-17	0	-122	17	110.0	43.8	1.5	0.0	153.8	1	
1M	111	4506	-12	133	0	26	-10	83.8	14.5	11.3	0.0	98.3	1	
1N	111	4506	26	133	0	26	17	83.8	19.1	11.3	0.0	102.9	1	
1O	111	4506	-12	-17	0	-122	-10	83.8	39.2	1.5	0.0	122.9	1	
1P	111	4506	26	-17	0	-122	17	83.8	43.8	1.5	0.0	127.6	1	
2	111	803	-1	197	0	-254	1	14.9	66.1	16.7	0.0	81.0	1	
7	111	822	-1	154	0	-208	1	15.3	54.0	13.1	0.0	69.3	1	
8	111	570	1	155	0	-199	2	10.6	52.9	13.2	0.0	63.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8981	53	25	23	23	14	1.03	1.00	204.3	
1B	-8981	53	26	23	23	14	1.03	1.00	204.9	
1C	-8981	58	25	23	23	14	1.03	1.00	205.6	
1D	-8981	58	26	23	23	14	1.03	1.00	206.2	
1E	7523	53	25	23	23	14	1.00	1.00	172.0	
1F	7523	53	26	23	23	14	1.00	1.00	172.6	
1G	7523	58	25	23	23	14	1.00	1.00	173.4	
1H	7523	58	26	23	23	14	1.00	1.00	174.0	
1I	-5965	102	6	23	23	14	1.03	1.00	144.7	
1J	-5965	102	9	23	23	14	1.03	1.00	147.4	
1K	-5965	122	6	23	23	14	1.03	1.00	149.7	
1L	-5965	122	9	23	23	14	1.03	1.00	152.4	
1M	4506	102	6	23	23	14	1.00	1.00	114.2	
1N	4506	102	9	23	23	14	1.00	1.00	116.9	
1O	4506	122	6	23	23	14	1.00	1.00	119.2	
1P	4506	122	9	23	23	14	1.00	1.00	121.9	

2	803	166	2	23	23	14	1.00	1.00	58.9
7	822	139	2	23	23	14	1.00	1.00	52.2
8	570	131	2	23	23	14	1.00	1.00	45.5

ASTA NUM. 260 NI 689 NF 688 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4432	-6	178	0	90	19	82.4	37.4	15.1	0.0	119.8	1	
1B	0	-4432	12	178	0	90	-21	82.4	39.2	15.1	0.0	121.5	1	
1C	0	-4432	-6	-168	0	-145	19	82.4	51.5	14.2	0.0	133.9	1	
1D	0	-4432	12	-168	0	-145	-21	82.4	53.3	14.2	0.0	135.6	1	
1E	0	4914	-6	178	0	90	19	91.3	37.4	15.1	0.0	128.7	1	
1F	0	4914	12	178	0	90	-21	91.3	39.2	15.1	0.0	130.5	1	
1G	0	4914	-6	-168	0	-145	19	91.3	51.5	14.2	0.0	142.8	1	
1H	0	4914	12	-168	0	-145	-21	91.3	53.3	14.2	0.0	144.6	1	
1I	0	-2840	-15	119	0	105	14	52.8	37.1	10.1	0.0	89.9	1	
1J	0	-2840	21	119	0	105	-16	52.8	38.9	10.1	0.0	91.7	1	
1K	0	-2840	-15	-109	0	-160	14	52.8	51.2	9.2	0.0	104.0	1	
1L	0	-2840	21	-109	0	-160	-16	52.8	53.0	9.2	0.0	105.8	1	
1M	0	3323	-15	119	0	105	14	61.8	37.1	10.1	0.0	98.9	1	
1N	0	3323	21	119	0	105	-16	61.8	38.9	10.1	0.0	100.7	1	
1O	0	3323	-15	-109	0	-160	14	61.8	51.2	9.2	0.0	113.0	1	
1P	0	3323	21	-109	0	-160	-16	61.8	53.0	9.2	0.0	114.8	1	
2	0	4278	25	20	0	-185	-7	79.5	53.1	1.7	0.0	132.6	1	
7	0	3481	21	8	0	-156	-7	64.7	45.3	0.8	0.0	110.0	1	
8	0	3188	19	11	0	-146	-6	59.3	41.8	0.9	0.0	101.1	1	
1A	55	-4408	-6	178	0	-19	19	81.9	18.7	15.1	0.0	100.6	1	
1B	55	-4408	12	178	0	-19	-18	81.9	18.0	15.1	0.0	100.0	1	
1C	55	-4408	-6	-168	0	-42	19	81.9	24.7	14.2	0.0	106.6	1	
1D	55	-4408	12	-168	0	-42	-18	81.9	24.0	14.2	0.0	106.0	1	
1E	55	4937	-6	178	0	-19	19	91.8	18.7	15.1	0.0	110.5	1	
1F	55	4937	12	178	0	-19	-18	91.8	18.0	15.1	0.0	109.8	1	
1G	55	4937	-6	-168	0	-42	19	91.8	24.7	14.2	0.0	116.5	1	
1H	55	4937	12	-168	0	-42	-18	91.8	24.0	14.2	0.0	115.8	1	
1I	55	-2817	-15	119	0	64	1	52.4	17.4	10.1	0.0	69.8	1	
1J	55	-2817	21	119	0	64	-0	52.4	16.8	10.1	0.0	69.1	1	
1K	55	-2817	-15	-109	0	-125	1	52.4	33.1	9.2	0.0	85.4	1	
1L	55	-2817	21	-109	0	-125	-0	52.4	32.4	9.2	0.0	84.8	1	
1M	55	3346	-15	119	0	64	1	62.2	17.4	10.1	0.0	79.6	1	
1N	55	3346	21	119	0	64	-0	62.2	16.8	10.1	0.0	79.0	1	
1O	55	3346	-15	-109	0	-125	1	62.2	33.1	9.2	0.0	95.3	1	
1P	55	3346	21	-109	0	-125	-0	62.2	32.4	9.2	0.0	94.6	1	
2	55	4308	25	20	0	-195	6	80.1	55.0	1.7	0.0	135.0	1	
7	55	3512	21	8	0	-161	5	65.3	45.1	0.8	0.0	110.4	1	
8	55	3218	19	11	0	-152	5	59.8	42.6	0.9	0.0	102.5	1	
1A	111	-4385	-6	178	0	-127	18	81.5	46.3	15.1	0.0	127.8	1	
1B	111	-4385	12	178	0	-127	-14	81.5	43.2	15.1	0.0	124.7	1	
1C	111	-4385	-6	-168	0	61	18	81.5	29.2	14.2	0.0	110.7	1	
1D	111	-4385	12	-168	0	61	-14	81.5	26.1	14.2	0.0	107.6	1	
1E	111	4961	-6	178	0	-127	18	92.2	46.3	15.1	0.0	138.5	1	
1F	111	4961	12	178	0	-127	-14	92.2	43.2	15.1	0.0	135.4	1	
1G	111	4961	-6	-168	0	61	18	92.2	29.2	14.2	0.0	121.4	1	
1H	111	4961	12	-168	0	61	-14	92.2	26.1	14.2	0.0	118.3	1	
1I	111	-2794	-15	119	0	24	-11	51.9	14.5	10.1	0.0	66.4	1	
1J	111	-2794	21	119	0	24	15	51.9	17.6	10.1	0.0	69.5	1	
1K	111	-2794	-15	-109	0	-90	-11	51.9	31.7	9.2	0.0	83.6	1	
1L	111	-2794	21	-109	0	-90	15	51.9	34.7	9.2	0.0	86.7	1	
1M	111	3370	-15	119	0	24	-11	62.6	14.5	10.1	0.0	77.1	1	
1N	111	3370	21	119	0	24	15	62.6	17.6	10.1	0.0	80.2	1	
1O	111	3370	-15	-109	0	-90	-11	62.6	31.7	9.2	0.0	94.3	1	
1P	111	3370	21	-109	0	-90	15	62.6	34.7	9.2	0.0	97.4	1	
2	111	4339	25	20	0	-206	20	80.7	68.0	1.7	0.0	148.7	1	
7	111	3542	21	8	0	-166	16	65.8	54.9	0.8	0.0	120.8	1	
8	111	3249	19	11	0	-158	15	60.4	52.0	0.9	0.0	112.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4432	51	19	23	23	14	1.03	1.00	112.0	
1B	-4432	51	18	23	23	14	1.03	1.00	111.8	
1C	-4432	63	19	23	23	14	1.03	1.00	114.9	
1D	-4432	63	18	23	23	14	1.03	1.00	114.8	
1E	4961	51	19	23	23	14	1.00	1.00	119.3	
1F	4961	51	18	23	23	14	1.00	1.00	119.1	
1G	4961	63	19	23	23	14	1.00	1.00	122.3	
1H	4961	63	18	23	23	14	1.00	1.00	122.1	
1I	-2840	72	5	23	23	14	1.03	1.00	77.1	
1J	-2840	72	6	23	23	14	1.03	1.00	77.8	
1K	-2840	132	5	23	23	14	1.03	1.00	92.4	
1L	-2840	132	6	23	23	14	1.03	1.00	93.1	
1M	3370	72	5	23	23	14	1.00	1.00	85.3	
1N	3370	72	6	23	23	14	1.00	1.00	86.0	
1O	3370	132	5	23	23	14	1.00	1.00	100.7	
1P	3370	132	6	23	23	14	1.00	1.00	101.4	
2	4339	198	9	23	23	14	1.00	1.00	138.2	

7	3542	162	7	23	23	14	1.00	1.00	112.9
8	3249	153	7	23	23	14	1.00	1.00	104.9

ASTA NUM. 261 NI 688 NF 687 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4440	-21	100	0	44	4	82.5	14.7	8.5	0.0	97.3	1	
1B	0	-4440	29	100	0	44	-9	82.5	17.9	8.5	0.0	100.4	1	
1C	0	-4440	-21	14	0	-71	4	82.5	21.7	1.2	0.0	104.2	1	
1D	0	-4440	29	14	0	-71	-9	82.5	24.9	1.2	0.0	107.4	1	
1E	0	5190	-21	100	0	44	4	96.5	14.7	8.5	0.0	111.2	1	
1F	0	5190	29	100	0	44	-9	96.5	17.9	8.5	0.0	114.4	1	
1G	0	5190	-21	14	0	-71	4	96.5	21.7	1.2	0.0	118.2	1	
1H	0	5190	29	14	0	-71	-9	96.5	24.9	1.2	0.0	121.3	1	
1I	0	-2614	-15	120	0	68	10	48.6	24.5	10.2	0.0	73.1	1	
1J	0	-2614	22	120	0	68	-14	48.6	27.7	10.2	0.0	76.3	1	
1K	0	-2614	-15	-5	0	-95	10	48.6	31.5	0.6	0.0	80.1	1	
1L	0	-2614	22	-5	0	-95	-14	48.6	34.7	0.8	0.0	83.3	1	
1M	0	3364	-15	120	0	68	10	62.5	24.5	10.2	0.0	87.1	1	
1N	0	3364	22	120	0	68	-14	62.5	27.7	10.2	0.0	90.2	1	
1O	0	3364	-15	-5	0	-95	10	62.5	31.5	0.6	0.0	94.0	1	
1P	0	3364	22	-5	0	-95	-14	62.5	34.7	0.8	0.0	97.2	1	
2	0	4617	-2	195	0	-139	8	85.8	42.2	16.6	0.0	128.0	1	
7	0	3751	-3	151	0	-116	7	69.7	35.4	12.8	0.0	105.2	1	
8	0	3466	2	154	0	-106	5	64.4	30.9	13.0	0.0	95.4	1	
1A	55	-4417	-21	100	0	-9	-8	82.1	8.4	8.5	0.0	90.5	1	
1B	55	-4417	29	100	0	-9	8	82.1	8.2	8.5	0.0	90.3	1	
1C	55	-4417	-21	14	0	-81	-8	82.1	27.0	1.2	0.0	109.1	1	
1D	55	-4417	29	14	0	-81	8	82.1	26.8	1.2	0.0	108.9	1	
1E	55	5214	-21	100	0	-9	-8	96.9	8.4	8.5	0.0	105.3	1	
1F	55	5214	29	100	0	-9	8	96.9	8.2	8.5	0.0	105.1	1	
1G	55	5214	-21	14	0	-81	-8	96.9	27.0	1.2	0.0	123.9	1	
1H	55	5214	29	14	0	-81	8	96.9	26.8	1.2	0.0	123.7	1	
1I	55	-2590	-15	120	0	3	1	48.1	1.3	10.2	0.0	51.3	4	
1J	55	-2590	22	120	0	3	-1	48.1	1.4	10.2	0.0	51.3	4	
1K	55	-2590	-15	-5	0	-93	1	48.1	24.5	0.6	0.0	72.7	1	
1L	55	-2590	22	-5	0	-93	-1	48.1	24.7	0.8	0.0	72.8	1	
1M	55	3387	-15	120	0	3	1	63.0	1.3	10.2	0.0	65.4	3	
1N	55	3387	22	120	0	3	-1	63.0	1.4	10.2	0.0	65.5	3	
1O	55	3387	-15	-5	0	-93	1	63.0	24.5	0.6	0.0	87.5	1	
1P	55	3387	22	-5	0	-93	-1	63.0	24.7	0.8	0.0	87.6	1	
2	55	4648	-2	195	0	-247	7	86.4	69.1	16.6	0.0	155.5	1	
7	55	3782	-3	151	0	-200	6	70.3	55.8	12.8	0.0	126.1	1	
8	55	3496	2	154	0	-192	6	65.0	53.6	13.0	0.0	118.6	1	
1A	111	-4393	-21	100	0	-62	-21	81.7	31.5	8.5	0.0	113.2	1	
1B	111	-4393	29	100	0	-62	24	81.7	34.4	8.5	0.0	116.0	1	
1C	111	-4393	-21	14	0	-91	-21	81.7	39.0	1.2	0.0	120.6	1	
1D	111	-4393	29	14	0	-91	24	81.7	41.8	1.2	0.0	123.5	1	
1E	111	5237	-21	100	0	-62	-21	97.3	31.5	8.5	0.0	128.8	1	
1F	111	5237	29	100	0	-62	24	97.3	34.4	8.5	0.0	131.7	1	
1G	111	5237	-21	14	0	-91	-21	97.3	39.0	1.2	0.0	136.3	1	
1H	111	5237	29	14	0	-91	24	97.3	41.8	1.2	0.0	139.2	1	
1I	111	-2567	-15	120	0	-62	-8	47.7	22.0	10.2	0.0	69.7	1	
1J	111	-2567	22	120	0	-62	12	47.7	24.9	10.2	0.0	72.6	1	
1K	111	-2567	-15	-5	0	-91	-8	47.7	29.4	0.6	0.0	77.1	1	
1L	111	-2567	22	-5	0	-91	12	47.7	32.2	0.8	0.0	80.0	1	
1M	111	3411	-15	120	0	-62	-8	63.4	22.0	10.2	0.0	85.4	1	
1N	111	3411	22	120	0	-62	12	63.4	24.9	10.2	0.0	88.3	1	
1O	111	3411	-15	-5	0	-91	-8	63.4	29.4	0.6	0.0	92.8	1	
1P	111	3411	22	-5	0	-91	12	63.4	32.2	0.8	0.0	95.6	1	
2	111	4678	-2	195	0	-355	6	87.0	96.0	16.6	0.0	182.9	1	
7	111	3812	-3	151	0	-283	4	70.9	76.1	12.8	0.0	147.0	1	
8	111	3527	2	154	0	-277	7	65.6	76.2	13.0	0.0	141.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4440	25	11	23	23	14	1.03	1.00	99.4	
1B	-4440	25	11	23	23	14	1.03	1.00	99.8	
1C	-4440	83	11	23	23	14	1.03	1.00	114.4	
1D	-4440	83	11	23	23	14	1.03	1.00	114.9	
1E	5237	25	11	23	23	14	1.00	1.00	111.7	
1F	5237	25	11	23	23	14	1.00	1.00	112.1	
1G	5237	83	11	23	23	14	1.00	1.00	126.7	
1H	5237	83	11	23	23	14	1.00	1.00	127.2	
1I	-2614	27	4	23	23	14	1.03	1.00	59.9	
1J	-2614	27	6	23	23	14	1.03	1.00	61.1	
1K	-2614	93	4	23	23	14	1.03	1.00	76.9	
1L	-2614	93	6	23	23	14	1.03	1.00	78.2	
1M	3411	27	4	23	23	14	1.00	1.00	73.2	
1N	3411	27	6	23	23	14	1.00	1.00	74.5	
1O	3411	93	4	23	23	14	1.00	1.00	90.2	
1P	3411	93	6	23	23	14	1.00	1.00	91.5	
2	4678	269	7	23	23	14	1.00	1.00	161.8	
7	3812	216	6	23	23	14	1.00	1.00	131.2	

8	3527	209	6	23	23	14	1.00	1.00	123.6		

ASTA NUM. 262 NI 687 NF 686 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-385	4	150	0	11	0	7.1	3.2	12.8	0.0	23.2	4	
1B	0	-385	13	150	0	11	-9	7.1	9.9	12.8	0.0	23.3	4	
1C	0	-385	4	-100	0	-123	0	7.1	32.0	8.4	0.0	39.1	1	
1D	0	-385	13	-100	0	-123	-9	7.1	38.7	8.4	0.0	45.8	1	
1E	0	3309	4	150	0	11	0	61.5	3.2	12.8	0.0	67.0	3	
1F	0	3309	13	150	0	11	-9	61.5	9.9	12.8	0.0	71.4	1	
1G	0	3309	4	-100	0	-123	0	61.5	32.0	8.4	0.0	93.5	1	
1H	0	3309	13	-100	0	-123	-9	61.5	38.7	8.4	0.0	100.2	1	
1I	0	436	5	123	0	13	1	8.1	4.2	10.4	0.0	19.7	4	
1J	0	436	12	123	0	13	-10	8.1	11.0	10.4	0.0	19.8	4	
1K	0	436	5	-72	0	-125	1	8.1	33.0	6.1	0.0	41.1	1	
1L	0	436	12	-72	0	-125	-10	8.1	39.7	6.1	0.0	47.8	1	
1M	0	2488	5	123	0	13	1	46.2	4.2	10.4	0.0	51.8	3	
1N	0	2488	12	123	0	13	-10	46.2	11.0	10.4	0.0	57.2	1	
1O	0	2488	5	-72	0	-125	1	46.2	33.0	6.1	0.0	79.2	1	
1P	0	2488	12	-72	0	-125	-10	46.2	39.7	6.1	0.0	86.0	1	
2	0	8359	43	94	0	-288	-14	155.4	84.7	8.0	0.0	240.1	1	
7	0	6616	33	69	0	-234	-11	123.0	68.1	5.8	0.0	191.1	1	
8	0	6353	33	70	0	-224	-11	118.1	66.2	5.9	0.0	184.3	1	
1A	55	-361	4	150	0	-73	6	6.7	23.3	12.8	0.0	30.7	3	
1B	55	-361	13	150	0	-73	-6	6.7	23.0	12.8	0.0	30.7	3	
1C	55	-361	4	-100	0	-67	6	6.7	21.7	8.4	0.0	28.5	1	
1D	55	-361	13	-100	0	-67	-6	6.7	21.4	8.4	0.0	28.1	1	
1E	55	3332	4	150	0	-73	6	61.9	23.3	12.8	0.0	85.2	1	
1F	55	3332	13	150	0	-73	-6	61.9	23.0	12.8	0.0	84.9	1	
1G	55	3332	4	-100	0	-67	6	61.9	21.7	8.4	0.0	83.7	1	
1H	55	3332	13	-100	0	-67	-6	61.9	21.4	8.4	0.0	83.4	1	
1I	55	460	5	123	0	-55	6	8.5	18.6	10.4	0.0	27.2	1	
1J	55	460	12	123	0	-55	-5	8.5	18.3	10.4	0.0	26.9	1	
1K	55	460	5	-72	0	-85	6	8.5	26.2	6.1	0.0	34.8	1	
1L	55	460	12	-72	0	-85	-5	8.5	25.9	6.1	0.0	34.4	1	
1M	55	2511	5	123	0	-55	6	46.7	18.6	10.4	0.0	65.3	1	
1N	55	2511	12	123	0	-55	-5	46.7	18.3	10.4	0.0	65.0	1	
1O	55	2511	5	-72	0	-85	6	46.7	26.2	6.1	0.0	72.9	1	
1P	55	2511	12	-72	0	-85	-5	46.7	25.9	6.1	0.0	72.6	1	
2	55	8389	43	94	0	-340	10	155.9	94.7	8.0	0.0	250.7	1	
7	55	6646	33	69	0	-272	8	123.5	75.8	5.8	0.0	199.3	1	
8	55	6384	33	70	0	-263	7	118.7	72.8	5.9	0.0	191.4	1	
1A	111	-338	4	150	0	-157	12	6.3	49.2	12.8	0.0	55.4	1	
1B	111	-338	13	150	0	-157	-2	6.3	41.8	12.8	0.0	48.1	1	
1C	111	-338	4	-100	0	-11	12	6.3	11.5	8.4	0.0	17.8	1	
1D	111	-338	13	-100	0	-11	-2	6.3	4.2	8.4	0.0	15.9	4	
1E	111	3356	4	150	0	-157	12	62.4	49.2	12.8	0.0	111.5	1	
1F	111	3356	13	150	0	-157	-2	62.4	41.8	12.8	0.0	104.2	1	
1G	111	3356	4	-100	0	-11	12	62.4	11.5	8.4	0.0	73.9	1	
1H	111	3356	13	-100	0	-11	-2	62.4	4.2	8.4	0.0	66.5	1	
1I	111	483	5	123	0	-124	11	9.0	39.9	10.4	0.0	48.9	1	
1J	111	483	12	123	0	-124	-1	9.0	32.5	10.4	0.0	41.5	1	
1K	111	483	5	-72	0	-44	11	9.0	19.4	6.1	0.0	28.4	1	
1L	111	483	12	-72	0	-44	-1	9.0	12.1	6.1	0.0	21.3	3	
1M	111	2535	5	123	0	-124	11	47.1	39.9	10.4	0.0	87.0	1	
1N	111	2535	12	123	0	-124	-1	47.1	32.5	10.4	0.0	79.7	1	
1O	111	2535	5	-72	0	-44	11	47.1	19.4	6.1	0.0	66.5	1	
1P	111	2535	12	-72	0	-44	-1	47.1	12.1	6.1	0.0	59.2	1	
2	111	8419	43	94	0	-392	33	156.5	126.0	8.0	0.0	282.5	1	
7	111	6677	33	69	0	-310	26	124.1	99.4	5.8	0.0	223.5	1	
8	111	6414	33	70	0	-302	25	119.2	96.4	5.9	0.0	215.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-385	90	7	23	23	14	1.03	1.00	35.8	
1B	-385	90	6	23	23	14	1.03	1.00	35.2	
1C	-385	78	7	23	23	14	1.03	1.00	32.8	
1D	-385	78	6	23	23	14	1.03	1.00	32.2	
1E	3356	90	7	23	23	14	1.00	1.00	90.8	
1F	3356	90	6	23	23	14	1.00	1.00	90.2	
1G	3356	78	7	23	23	14	1.00	1.00	87.8	
1H	3356	78	6	23	23	14	1.00	1.00	87.2	
1I	483	69	7	23	23	14	1.00	1.00	31.9	
1J	483	69	6	23	23	14	1.00	1.00	31.5	
1K	483	93	7	23	23	14	1.00	1.00	38.0	
1L	483	93	6	23	23	14	1.00	1.00	37.6	
1M	2535	69	7	23	23	14	1.00	1.00	70.0	
1N	2535	69	6	23	23	14	1.00	1.00	69.7	
1O	2535	93	7	23	23	14	1.00	1.00	76.1	
1P	2535	93	6	23	23	14	1.00	1.00	75.8	
2	8419	351	14	23	23	14	1.00	1.00	257.5	
7	6677	279	12	23	23	14	1.00	1.00	204.6	
8	6414	271	10	23	23	14	1.00	1.00	196.7	

ASTA NUM. 263 NI 686 NF 685 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-425	-60	246	0	-43	29	7.9	32.6	20.9	0.0	40.5	1	
1B	0	-425	32	246	0	-43	-19	7.9	25.0	20.9	0.0	37.1	4	
1C	0	-425	-60	42	0	-90	29	7.9	44.7	3.6	0.0	52.6	1	
1D	0	-425	32	42	0	-90	-19	7.9	37.1	3.6	0.0	45.0	1	
1E	0	3605	-60	246	0	-43	29	67.0	32.6	20.9	0.0	99.6	1	
1F	0	3605	32	246	0	-43	-19	67.0	25.0	20.9	0.0	92.0	1	
1G	0	3605	-60	42	0	-90	29	67.0	44.7	3.6	0.0	111.7	1	
1H	0	3605	32	42	0	-90	-19	67.0	37.1	3.6	0.0	104.1	1	
1I	0	620	-34	287	0	-40	20	11.5	25.6	24.3	0.0	43.8	4	
1J	0	620	6	287	0	-40	-10	11.5	18.0	24.3	0.0	43.7	4	
1K	0	620	-34	2	0	-93	20	11.5	39.0	1.3	0.0	50.5	1	
1L	0	620	6	2	0	-93	-10	11.5	31.4	0.2	0.0	43.0	1	
1M	0	2560	-34	287	0	-40	20	47.6	25.6	24.3	0.0	73.2	1	
1N	0	2560	6	287	0	-40	-10	47.6	18.0	24.3	0.0	68.2	3	
1O	0	2560	-34	2	0	-93	20	47.6	39.0	1.3	0.0	86.6	1	
1P	0	2560	6	2	0	-93	-10	47.6	31.4	0.2	0.0	79.0	1	
2	0	8661	-43	587	0	-337	27	161.0	107.1	49.8	0.0	268.1	1	
7	0	6856	-34	450	0	-270	23	127.4	86.7	38.1	0.0	214.1	1	
8	0	6605	-35	459	0	-258	20	122.8	81.3	38.9	0.0	204.1	1	
1A	55	-401	-60	246	0	-74	-8	7.5	24.6	20.9	0.0	40.5	3	
1B	55	-401	32	246	0	-74	2	7.5	20.6	20.9	0.0	40.3	3	
1C	55	-401	-60	42	0	-219	-8	7.5	61.9	3.6	0.0	69.3	1	
1D	55	-401	32	42	0	-219	2	7.5	57.8	3.6	0.0	65.3	1	
1E	55	3628	-60	246	0	-74	-8	67.4	24.6	20.9	0.0	92.0	1	
1F	55	3628	32	246	0	-74	2	67.4	20.6	20.9	0.0	90.3	3	
1G	55	3628	-60	42	0	-219	-8	67.4	61.9	3.6	0.0	129.3	1	
1H	55	3628	32	42	0	-219	2	67.4	57.8	3.6	0.0	125.3	1	
1I	55	643	-34	287	0	-204	17	12.0	65.4	24.3	0.0	77.4	1	
1J	55	643	6	287	0	-204	-22	12.0	69.4	24.3	0.0	81.4	1	
1K	55	643	-34	2	0	-88	17	12.0	35.4	1.3	0.0	47.4	1	
1L	55	643	6	2	0	-88	-22	12.0	39.4	0.2	0.0	51.4	1	
1M	55	2584	-34	287	0	-204	17	48.0	65.4	24.3	0.0	113.4	1	
1N	55	2584	6	287	0	-204	-22	48.0	69.4	24.3	0.0	117.4	1	
1O	55	2584	-34	2	0	-88	17	48.0	35.4	1.3	0.0	83.4	1	
1P	55	2584	6	2	0	-88	-22	48.0	39.4	0.2	0.0	87.4	1	
2	55	8692	-43	587	0	-662	4	161.6	173.0	49.8	0.0	334.6	1	
7	55	6886	-34	450	0	-519	4	128.0	136.7	38.1	0.0	264.7	1	
8	55	6636	-35	459	0	-512	1	123.3	132.3	38.9	0.0	255.6	1	
1A	111	-378	-60	246	0	-105	-44	7.0	59.7	20.9	0.0	66.7	1	
1B	111	-378	32	246	0	-105	23	7.0	44.1	20.9	0.0	51.2	1	
1C	111	-378	-60	42	0	-347	-44	7.0	122.1	3.6	0.0	129.1	1	
1D	111	-378	32	42	0	-347	23	7.0	106.5	3.6	0.0	113.6	1	
1E	111	3652	-60	246	0	-105	-44	67.9	59.7	20.9	0.0	127.6	1	
1F	111	3652	32	246	0	-105	23	67.9	44.1	20.9	0.0	112.0	1	
1G	111	3652	-60	42	0	-347	-44	67.9	122.1	3.6	0.0	190.0	1	
1H	111	3652	32	42	0	-347	23	67.9	106.5	3.6	0.0	174.4	1	
1I	111	667	-34	287	0	-369	14	12.4	105.2	24.3	0.0	117.6	1	
1J	111	667	6	287	0	-369	-35	12.4	120.8	24.3	0.0	133.2	1	
1K	111	667	-34	2	0	-83	14	12.4	31.8	1.3	0.0	44.2	1	
1L	111	667	6	2	0	-83	-35	12.4	47.4	0.2	0.0	59.8	1	
1M	111	2607	-34	287	0	-369	14	48.5	105.2	24.3	0.0	153.7	1	
1N	111	2607	6	287	0	-369	-35	48.5	120.8	24.3	0.0	169.3	1	
1O	111	2607	-34	2	0	-83	14	48.5	31.8	1.3	0.0	80.3	1	
1P	111	2607	6	2	0	-83	-35	48.5	47.4	0.2	0.0	95.9	1	
2	111	8722	-43	587	0	-987	-20	162.1	268.9	49.8	0.0	431.0	1	
7	111	6917	-34	450	0	-768	-15	128.6	208.4	38.1	0.0	337.0	1	
8	111	6666	-35	459	0	-766	-19	123.9	211.0	38.9	0.0	334.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-425	80	18	23	23	14	1.03	1.00	41.8	
1B	-425	80	9	23	23	14	1.03	1.00	35.6	
1C	-425	244	18	23	23	14	1.03	1.00	84.1	
1D	-425	244	9	23	23	14	1.03	1.00	77.9	
1E	3652	80	18	23	23	14	1.00	1.00	101.6	
1F	3652	80	9	23	23	14	1.00	1.00	95.3	
1G	3652	244	18	23	23	14	1.00	1.00	143.8	
1H	3652	244	9	23	23	14	1.00	1.00	137.6	
1I	667	237	18	23	23	14	1.00	1.00	86.7	
1J	667	237	25	23	23	14	1.00	1.00	92.1	
1K	667	89	18	23	23	14	1.00	1.00	48.5	
1L	667	89	25	23	23	14	1.00	1.00	53.9	
1M	2607	237	18	23	23	14	1.00	1.00	122.8	
1N	2607	237	25	23	23	14	1.00	1.00	128.2	
1O	2607	89	18	23	23	14	1.00	1.00	84.6	
1P	2607	89	25	23	23	14	1.00	1.00	90.0	
2	8722	727	11	23	23	14	1.00	1.00	357.3	
7	6917	569	9	23	23	14	1.00	1.00	281.8	
8	6666	563	8	23	23	14	1.00	1.00	274.7	

ASTA NUM. 264 NI 685 NF 684 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	530	-73	-207	0	-170	65	9.9	92.7	17.6	0.0	102.6	1	
1B	0	530	61	-207	0	-170	-53	9.9	83.5	17.6	0.0	93.3	1	
1C	0	530	-73	-418	0	-312	65	9.9	129.2	35.4	0.0	139.0	1	
1D	0	530	61	-418	0	-312	-53	9.9	120.0	35.4	0.0	129.8	1	
1E	0	1325	-73	-207	0	-170	65	24.6	92.7	17.6	0.0	117.3	1	
1F	0	1325	61	-207	0	-170	-53	24.6	83.5	17.6	0.0	108.1	1	
1G	0	1325	-73	-418	0	-312	65	24.6	129.2	35.4	0.0	153.8	1	
1H	0	1325	61	-418	0	-312	-53	24.6	120.0	35.4	0.0	144.6	1	
1I	0	488	-34	-227	0	-139	32	9.1	59.5	19.2	0.0	68.6	1	
1J	0	488	21	-227	0	-139	-19	9.1	50.3	19.2	0.0	59.3	1	
1K	0	488	-34	-398	0	-343	32	9.1	112.1	33.8	0.0	121.2	1	
1L	0	488	21	-398	0	-343	-19	9.1	102.9	33.8	0.0	112.0	1	
1M	0	1367	-34	-227	0	-139	32	25.4	59.5	19.2	0.0	84.9	1	
1N	0	1367	21	-227	0	-139	-19	25.4	50.3	19.2	0.0	75.7	1	
1O	0	1367	-34	-398	0	-343	32	25.4	112.1	33.8	0.0	137.5	1	
1P	0	1367	21	-398	0	-343	-19	25.4	102.9	33.8	0.0	128.3	1	
2	0	4482	-11	-1450	0	-1080	10	83.3	285.3	122.9	0.0	381.9	3	
7	0	3467	-12	-1142	0	-844	11	64.4	225.8	96.8	0.0	298.6	3	
8	0	3461	-10	-1120	0	-837	9	64.3	222.3	95.0	0.0	295.6	3	
1A	55	554	-73	-207	0	32	25	10.3	26.8	17.6	0.0	37.1	1	
1B	55	554	61	-207	0	32	-19	10.3	22.9	17.6	0.0	33.2	1	
1C	55	554	-73	-418	0	-169	25	10.3	61.9	35.4	0.0	73.8	3	
1D	55	554	61	-418	0	-169	-19	10.3	58.0	35.4	0.0	73.7	3	
1E	55	1348	-73	-207	0	32	25	25.1	26.8	17.6	0.0	51.9	1	
1F	55	1348	61	-207	0	32	-19	25.1	22.9	17.6	0.0	47.9	1	
1G	55	1348	-73	-418	0	-169	25	25.1	61.9	35.4	0.0	87.0	1	
1H	55	1348	61	-418	0	-169	-19	25.1	58.0	35.4	0.0	84.3	3	
1I	55	511	-34	-227	0	18	13	9.5	14.2	19.2	0.0	34.7	4	
1J	55	511	21	-227	0	18	-8	9.5	10.3	19.2	0.0	34.7	4	
1K	55	511	-34	-398	0	-155	13	9.5	49.4	33.8	0.0	68.9	3	
1L	55	511	21	-398	0	-155	-8	9.5	45.4	33.8	0.0	68.8	3	
1M	55	1390	-34	-227	0	18	13	25.8	14.2	19.2	0.0	42.3	4	
1N	55	1390	21	-227	0	18	-8	25.8	10.3	19.2	0.0	42.3	4	
1O	55	1390	-34	-398	0	-155	13	25.8	49.4	33.8	0.0	80.6	3	
1P	55	1390	21	-398	0	-155	-8	25.8	45.4	33.8	0.0	80.5	3	
2	55	4512	-11	-1450	0	-277	4	83.9	74.2	122.9	0.0	239.5	3	
7	55	3498	-12	-1142	0	-212	5	65.0	58.1	96.8	0.0	187.1	3	
8	55	3491	-10	-1120	0	-217	4	64.9	58.7	95.0	0.0	185.5	3	
1A	111	577	-73	-207	0	235	-16	10.7	72.5	17.6	0.0	83.2	1	
1B	111	577	61	-207	0	235	14	10.7	71.1	17.6	0.0	81.8	1	
1C	111	577	-73	-418	0	-26	-16	10.7	18.6	35.4	0.0	62.4	4	
1D	111	577	61	-418	0	-26	14	10.7	17.2	35.4	0.0	62.4	4	
1E	111	1372	-73	-207	0	235	-16	25.5	72.5	17.6	0.0	97.9	1	
1F	111	1372	61	-207	0	235	14	25.5	71.1	17.6	0.0	96.6	1	
1G	111	1372	-73	-418	0	-26	-16	25.5	18.6	35.4	0.0	66.6	4	
1H	111	1372	61	-418	0	-26	14	25.5	17.2	35.4	0.0	66.6	4	
1I	111	535	-34	-227	0	175	-6	9.9	49.7	19.2	0.0	59.6	1	
1J	111	535	21	-227	0	175	4	9.9	48.3	19.2	0.0	58.4	3	
1K	111	535	-34	-398	0	34	-6	9.9	13.4	33.8	0.0	59.4	4	
1L	111	535	21	-398	0	34	4	9.9	12.0	33.8	0.0	59.3	4	
1M	111	1414	-34	-227	0	175	-6	26.3	49.7	19.2	0.0	76.0	1	
1N	111	1414	21	-227	0	175	4	26.3	48.3	19.2	0.0	74.6	1	
1O	111	1414	-34	-398	0	34	-6	26.3	13.4	33.8	0.0	64.2	4	
1P	111	1414	21	-398	0	34	4	26.3	12.0	33.8	0.0	64.2	4	
2	111	4543	-11	-1450	0	525	-2	84.4	136.9	122.9	0.0	278.7	3	
7	111	3528	-12	-1142	0	420	-2	65.6	109.6	96.8	0.0	219.8	3	
8	111	3521	-10	-1120	0	402	-2	65.4	105.0	95.0	0.0	214.9	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	577	94	33	23	23	14	1.00	1.00	59.5	
1B	577	94	26	23	23	14	1.00	1.00	54.5	
1C	577	198	33	23	23	14	1.00	1.00	86.1	
1D	577	198	26	23	23	14	1.00	1.00	81.1	
1E	1372	94	33	23	23	14	1.00	1.00	74.2	
1F	1372	94	26	23	23	14	1.00	1.00	69.3	
1G	1372	198	33	23	23	14	1.00	1.00	100.9	
1H	1372	198	26	23	23	14	1.00	1.00	95.9	
1I	535	70	17	23	23	14	1.00	1.00	40.4	
1J	535	70	10	23	23	14	1.00	1.00	35.4	
1K	535	192	17	23	23	14	1.00	1.00	71.9	
1L	535	192	10	23	23	14	1.00	1.00	66.9	
1M	1414	70	17	23	23	14	1.00	1.00	56.7	
1N	1414	70	10	23	23	14	1.00	1.00	51.7	
1O	1414	192	17	23	23	14	1.00	1.00	88.2	
1P	1414	192	10	23	23	14	1.00	1.00	83.2	
2	4543	438	5	23	23	14	1.00	1.00	200.9	
7	3528	339	6	23	23	14	1.00	1.00	157.2	
8	3521	341	5	23	23	14	1.00	1.00	156.8	

ASTA NUM. 265 NI 652 NF 651 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14518	-12	209	0	279	12	269.9	80.9	17.7	0.0	350.8	1	
1B	0	-14518	13	209	0	279	-9	269.9	78.3	17.7	0.0	348.2	1	
1C	0	-14518	-12	-70	0	-170	12	269.9	53.0	5.9	0.0	322.8	1	
1D	0	-14518	13	-70	0	-170	-9	269.9	50.4	5.9	0.0	320.3	1	
1E	0	9212	-12	209	0	279	12	171.2	80.9	17.7	0.0	252.2	1	
1F	0	9212	13	209	0	279	-9	171.2	78.3	17.7	0.0	249.6	1	
1G	0	9212	-12	-70	0	-170	12	171.2	53.0	5.9	0.0	224.2	1	
1H	0	9212	13	-70	0	-170	-9	171.2	50.4	5.9	0.0	221.6	1	
1I	0	-19007	-15	187	0	434	16	353.3	124.1	15.8	0.0	477.4	1	
1J	0	-19007	16	187	0	434	-13	353.3	121.5	15.8	0.0	474.8	1	
1K	0	-19007	-15	-47	0	-326	16	353.3	96.1	4.0	0.0	449.4	1	
1L	0	-19007	16	-47	0	-326	-13	353.3	93.6	4.0	0.0	446.8	1	
1M	0	13701	-15	187	0	434	16	254.7	124.1	15.8	0.0	378.7	1	
1N	0	13701	16	187	0	434	-13	254.7	121.5	15.8	0.0	376.2	1	
1O	0	13701	-15	-47	0	-326	16	254.7	96.1	4.0	0.0	350.8	1	
1P	0	13701	16	-47	0	-326	-13	254.7	93.6	4.0	0.0	348.2	1	
2	0	-3869	-0	258	0	72	2	71.9	19.9	21.9	0.0	94.6	3	
7	0	-2067	-2	199	0	30	1	38.4	8.1	16.9	0.0	52.2	3	
8	0	-3465	-0	207	0	64	2	64.4	17.9	17.5	0.0	83.7	3	
1A	55	-14494	-12	209	0	179	1	269.4	46.6	17.7	0.0	316.0	1	
1B	55	-14494	13	209	0	179	3	269.4	48.2	17.7	0.0	317.6	1	
1C	55	-14494	-12	-70	0	-147	1	269.4	38.5	5.9	0.0	307.9	1	
1D	55	-14494	13	-70	0	-147	3	269.4	40.1	5.9	0.0	309.5	1	
1E	55	9236	-12	209	0	179	1	171.7	46.6	17.7	0.0	218.3	1	
1F	55	9236	13	209	0	179	3	171.7	48.2	17.7	0.0	219.9	1	
1G	55	9236	-12	-70	0	-147	1	171.7	38.5	5.9	0.0	210.2	1	
1H	55	9236	13	-70	0	-147	3	171.7	40.1	5.9	0.0	211.8	1	
1I	55	-18984	-15	187	0	336	24	352.9	104.0	15.8	0.0	456.9	1	
1J	55	-18984	16	187	0	336	-20	352.9	101.1	15.8	0.0	454.0	1	
1K	55	-18984	-15	-47	0	-304	24	352.9	95.9	4.0	0.0	448.8	1	
1L	55	-18984	16	-47	0	-304	-20	352.9	93.0	4.0	0.0	445.8	1	
1M	55	13725	-15	187	0	336	24	255.1	104.0	15.8	0.0	359.1	1	
1N	55	13725	16	187	0	336	-20	255.1	101.1	15.8	0.0	356.2	1	
1O	55	13725	-15	-47	0	-304	24	255.1	95.9	4.0	0.0	351.0	1	
1P	55	13725	16	-47	0	-304	-20	255.1	93.0	4.0	0.0	348.1	1	
2	55	-3839	-0	258	0	-71	2	71.4	19.8	21.9	0.0	94.0	3	
7	55	-2037	-2	199	0	-80	-1	37.9	21.0	16.9	0.0	62.0	3	
8	55	-3434	-0	207	0	-50	2	63.8	14.1	17.5	0.0	80.1	3	
1A	111	-14471	-12	209	0	78	-11	269.0	28.1	17.7	0.0	297.1	1	
1B	111	-14471	13	209	0	78	15	269.0	31.4	17.7	0.0	300.3	1	
1C	111	-14471	-12	-70	0	-124	-11	269.0	39.8	5.9	0.0	308.8	1	
1D	111	-14471	13	-70	0	-124	15	269.0	43.1	5.9	0.0	312.1	1	
1E	111	9259	-12	209	0	78	-11	172.1	28.1	17.7	0.0	200.2	1	
1F	111	9259	13	209	0	78	15	172.1	31.4	17.7	0.0	203.5	1	
1G	111	9259	-12	-70	0	-124	-11	172.1	39.8	5.9	0.0	211.9	1	
1H	111	9259	13	-70	0	-124	15	172.1	43.1	5.9	0.0	215.2	1	
1I	111	-18960	-15	187	0	237	31	352.4	84.0	15.8	0.0	436.4	1	
1J	111	-18960	16	187	0	237	-26	352.4	80.7	15.8	0.0	433.1	1	
1K	111	-18960	-15	-47	0	-283	31	352.4	95.7	4.0	0.0	448.1	1	
1L	111	-18960	16	-47	0	-283	-26	352.4	92.4	4.0	0.0	444.9	1	
1M	111	13748	-15	187	0	237	31	255.5	84.0	15.8	0.0	339.5	1	
1N	111	13748	16	187	0	237	-26	255.5	80.7	15.8	0.0	336.2	1	
1O	111	13748	-15	-47	0	-283	31	255.5	95.7	4.0	0.0	351.3	1	
1P	111	13748	16	-47	0	-283	-26	255.5	92.4	4.0	0.0	348.0	1	
2	111	-3809	-0	258	0	-214	2	70.8	56.4	21.9	0.0	127.2	1	
7	111	-2007	-2	199	0	-190	-2	37.3	50.2	16.9	0.0	87.5	1	
8	111	-3404	-0	207	0	-164	1	63.3	43.4	17.5	0.0	106.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14518	199	5	23	23	14	1.03	1.00	332.9	
1B	-14518	199	6	23	23	14	1.03	1.00	333.7	
1C	-14518	152	5	23	23	14	1.03	1.00	320.8	
1D	-14518	152	6	23	23	14	1.03	1.00	321.6	
1E	9259	199	5	23	23	14	1.00	1.00	226.9	
1F	9259	199	6	23	23	14	1.00	1.00	227.7	
1G	9259	152	5	23	23	14	1.00	1.00	214.8	
1H	9259	152	6	23	23	14	1.00	1.00	215.6	
1I	-19007	356	25	23	23	14	1.03	1.00	474.5	
1J	-19007	356	21	23	23	14	1.03	1.00	471.5	
1K	-19007	309	25	23	23	14	1.03	1.00	462.4	
1L	-19007	309	21	23	23	14	1.03	1.00	459.4	
1M	13748	356	25	23	23	14	1.00	1.00	365.7	
1N	13748	356	21	23	23	14	1.00	1.00	362.7	
1O	13748	309	25	23	23	14	1.00	1.00	353.6	
1P	13748	309	21	23	23	14	1.00	1.00	350.6	
2	-3869	100	2	23	23	14	1.03	1.00	101.2	
7	-2067	102	1	23	23	14	1.03	1.00	66.4	
8	-3465	73	2	23	23	14	1.03	1.00	86.4	

ASTA NUM. 266 NI 651 NF 650 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-13611	-64	218	0	145	30	253.0	59.9	18.5	0.0	312.8	1	
1B	0	-13611	62	218	0	145	-22	253.0	53.7	18.5	0.0	306.7	1	
1C	0	-13611	-64	-235	0	-151	30	253.0	61.5	19.9	0.0	314.5	1	
1D	0	-13611	62	-235	0	-151	-22	253.0	55.4	19.9	0.0	308.4	1	
1E	0	10581	-64	218	0	145	30	196.7	59.9	18.5	0.0	256.5	1	
1F	0	10581	62	218	0	145	-22	196.7	53.7	18.5	0.0	250.4	1	
1G	0	10581	-64	-235	0	-151	30	196.7	61.5	19.9	0.0	258.2	1	
1H	0	10581	62	-235	0	-151	-22	196.7	55.4	19.9	0.0	252.1	1	
1I	0	-13976	-37	155	0	340	39	259.8	116.9	13.2	0.0	376.7	1	
1J	0	-13976	34	155	0	340	-31	259.8	110.8	13.2	0.0	370.6	1	
1K	0	-13976	-37	-172	0	-347	39	259.8	118.6	14.6	0.0	378.4	1	
1L	0	-13976	34	-172	0	-347	-31	259.8	112.5	14.6	0.0	372.3	1	
1M	0	10946	-37	155	0	340	39	203.5	116.9	13.2	0.0	320.4	1	
1N	0	10946	34	155	0	340	-31	203.5	110.8	13.2	0.0	314.3	1	
1O	0	10946	-37	-172	0	-347	39	203.5	118.6	14.6	0.0	322.1	1	
1P	0	10946	34	-172	0	-347	-31	203.5	112.5	14.6	0.0	315.9	1	
2	0	352	-5	-9	0	-139	5	6.5	39.4	0.8	0.0	45.9	1	
7	0	804	-2	-23	0	-139	2	14.9	37.0	2.0	0.0	51.9	1	
8	0	-162	-4	-12	0	-106	4	3.0	30.5	1.1	0.0	33.5	1	
1A	55	-13588	-64	218	0	-45	-9	252.6	18.3	18.5	0.0	270.9	1	
1B	55	-13588	62	218	0	-45	16	252.6	23.3	18.5	0.0	275.9	1	
1C	55	-13588	-64	-235	0	48	-9	252.6	19.1	19.9	0.0	271.7	1	
1D	55	-13588	62	-235	0	48	16	252.6	24.1	19.9	0.0	276.7	1	
1E	55	10604	-64	218	0	-45	-9	197.1	18.3	18.5	0.0	215.4	1	
1F	55	10604	62	218	0	-45	16	197.1	23.3	18.5	0.0	220.4	1	
1G	55	10604	-64	-235	0	48	-9	197.1	19.1	19.9	0.0	216.2	1	
1H	55	10604	62	-235	0	48	16	197.1	24.1	19.9	0.0	221.2	1	
1I	55	-13953	-37	155	0	306	9	259.4	85.3	13.2	0.0	344.6	1	
1J	55	-13953	34	155	0	306	-2	259.4	80.3	13.2	0.0	339.7	1	
1K	55	-13953	-37	-172	0	-303	9	259.4	84.5	14.6	0.0	343.8	1	
1L	55	-13953	34	-172	0	-303	-2	259.4	79.5	14.6	0.0	338.9	1	
1M	55	10969	-37	155	0	306	9	203.9	85.3	13.2	0.0	289.2	1	
1N	55	10969	34	155	0	306	-2	203.9	80.3	13.2	0.0	284.2	1	
1O	55	10969	-37	-172	0	-303	9	203.9	84.5	14.6	0.0	288.4	1	
1P	55	10969	34	-172	0	-303	-2	203.9	79.5	14.6	0.0	283.4	1	
2	55	382	-5	-9	0	-134	2	7.1	35.9	0.8	0.0	43.0	1	
7	55	834	-2	-23	0	-126	0	15.5	32.8	2.0	0.0	48.3	1	
8	55	-131	-4	-12	0	-99	2	2.4	27.2	1.1	0.0	29.6	1	
1A	111	-13565	-64	218	0	-236	-48	252.1	96.5	18.5	0.0	348.6	1	
1B	111	-13565	62	218	0	-236	53	252.1	100.3	18.5	0.0	352.5	1	
1C	111	-13565	-64	-235	0	248	-48	252.1	99.7	19.9	0.0	351.9	1	
1D	111	-13565	62	-235	0	248	53	252.1	103.6	19.9	0.0	355.7	1	
1E	111	10627	-64	218	0	-236	-48	197.5	96.5	18.5	0.0	294.0	1	
1F	111	10627	62	218	0	-236	53	197.5	100.3	18.5	0.0	297.9	1	
1G	111	10627	-64	-235	0	248	-48	197.5	99.7	19.9	0.0	297.3	1	
1H	111	10627	62	-235	0	248	53	197.5	103.6	19.9	0.0	301.1	1	
1I	111	-13930	-37	155	0	273	-22	258.9	86.6	13.2	0.0	345.6	1	
1J	111	-13930	34	155	0	273	27	258.9	90.5	13.2	0.0	349.4	1	
1K	111	-13930	-37	-172	0	-260	-22	258.9	83.4	14.6	0.0	342.3	1	
1L	111	-13930	34	-172	0	-260	27	258.9	87.2	14.6	0.0	346.1	1	
1M	111	10992	-37	155	0	273	-22	204.3	86.6	13.2	0.0	291.0	1	
1N	111	10992	34	155	0	273	27	204.3	90.5	13.2	0.0	294.8	1	
1O	111	10992	-37	-172	0	-260	-22	204.3	83.4	14.6	0.0	287.7	1	
1P	111	10992	34	-172	0	-260	27	204.3	87.2	14.6	0.0	291.5	1	
2	111	413	-5	-9	0	-129	-1	7.7	33.9	0.8	0.0	41.5	1	
7	111	864	-2	-23	0	-114	-1	16.1	29.8	2.0	0.0	45.9	1	
8	111	-101	-4	-12	0	-92	0	1.9	23.8	1.1	0.0	25.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13611	94	19	23	23	14	1.03	1.00	299.3	
1B	-13611	94	23	23	23	14	1.03	1.00	302.2	
1C	-13611	99	19	23	23	14	1.03	1.00	300.6	
1D	-13611	99	23	23	23	14	1.03	1.00	303.6	
1E	10627	94	19	23	23	14	1.00	1.00	236.1	
1F	10627	94	23	23	23	14	1.00	1.00	239.0	
1G	10627	99	19	23	23	14	1.00	1.00	237.4	
1H	10627	99	23	23	23	14	1.00	1.00	240.3	
1I	-13976	313	16	23	23	14	1.03	1.00	360.2	
1J	-13976	313	12	23	23	14	1.03	1.00	357.7	
1K	-13976	312	16	23	23	14	1.03	1.00	359.9	
1L	-13976	312	12	23	23	14	1.03	1.00	357.4	
1M	10992	313	16	23	23	14	1.00	1.00	296.6	
1N	10992	313	12	23	23	14	1.00	1.00	294.2	
1O	10992	312	16	23	23	14	1.00	1.00	296.3	
1P	10992	312	12	23	23	14	1.00	1.00	293.9	
2	413	135	3	23	23	14	1.00	1.00	44.3	
7	864	129	1	23	23	14	1.00	1.00	49.7	
8	-162	100	3	23	23	14	1.03	1.00	30.9	

ASTA NUM. 267 NI 650 NF 649 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13509	-76	232	0	262	41	251.1	98.3	19.6	0.0	349.4	1	
1B	0	-13509	74	232	0	262	-34	251.1	92.9	19.6	0.0	344.0	1	
1C	0	-13509	-76	-88	0	-211	41	251.1	85.3	7.4	0.0	336.4	1	
1D	0	-13509	74	-88	0	-211	-34	251.1	79.9	7.4	0.0	331.0	1	
1E	0	10727	-76	232	0	262	41	199.4	98.3	19.6	0.0	297.7	1	
1F	0	10727	74	232	0	262	-34	199.4	92.9	19.6	0.0	292.2	1	
1G	0	10727	-76	-88	0	-211	41	199.4	85.3	7.4	0.0	284.7	1	
1H	0	10727	74	-88	0	-211	-34	199.4	79.9	7.4	0.0	279.3	1	
1I	0	-13593	-39	245	0	356	27	252.7	112.0	20.7	0.0	364.6	1	
1J	0	-13593	38	245	0	356	-20	252.7	106.5	20.7	0.0	359.2	1	
1K	0	-13593	-39	-101	0	-306	27	252.7	99.0	8.5	0.0	351.6	1	
1L	0	-13593	38	-101	0	-306	-20	252.7	93.5	8.5	0.0	346.2	1	
1M	0	10811	-39	245	0	356	27	201.0	112.0	20.7	0.0	312.9	1	
1N	0	10811	38	245	0	356	-20	201.0	106.5	20.7	0.0	307.4	1	
1O	0	10811	-39	-101	0	-306	27	201.0	99.0	8.5	0.0	299.9	1	
1P	0	10811	38	-101	0	-306	-20	201.0	93.5	8.5	0.0	294.5	1	
2	0	712	-4	255	0	-55	3	13.2	15.9	21.6	0.0	42.0	3	
7	0	1068	-1	191	0	-63	2	19.9	17.8	16.2	0.0	42.4	3	
8	0	132	-3	204	0	-34	3	2.5	11.1	17.3	0.0	30.1	4	
1A	55	-13486	-76	232	0	134	78	250.7	93.3	19.6	0.0	344.0	1	
1B	55	-13486	74	232	0	134	-72	250.7	88.6	19.6	0.0	339.2	1	
1C	55	-13486	-76	-88	0	-164	78	250.7	100.8	7.4	0.0	351.5	1	
1D	55	-13486	74	-88	0	-164	-72	250.7	96.1	7.4	0.0	346.7	1	
1E	55	10750	-76	232	0	134	78	199.8	93.3	19.6	0.0	293.2	1	
1F	55	10750	74	232	0	134	-72	199.8	88.6	19.6	0.0	288.4	1	
1G	55	10750	-76	-88	0	-164	78	199.8	100.8	7.4	0.0	300.7	1	
1H	55	10750	74	-88	0	-164	-72	199.8	96.1	7.4	0.0	295.9	1	
1I	55	-13570	-39	245	0	222	-5	252.2	60.9	20.7	0.0	313.1	1	
1J	55	-13570	38	245	0	222	12	252.2	65.7	20.7	0.0	317.9	1	
1K	55	-13570	-39	-101	0	-251	-5	252.2	68.4	8.5	0.0	320.6	1	
1L	55	-13570	38	-101	0	-251	12	252.2	73.2	8.5	0.0	325.4	1	
1M	55	10834	-39	245	0	222	-5	201.4	60.9	20.7	0.0	262.3	1	
1N	55	10834	38	245	0	222	12	201.4	65.7	20.7	0.0	267.1	1	
1O	55	10834	-39	-101	0	-251	-5	201.4	68.4	8.5	0.0	269.8	1	
1P	55	10834	38	-101	0	-251	12	201.4	73.2	8.5	0.0	274.6	1	
2	55	742	-4	255	0	-196	0	13.8	50.4	21.6	0.0	67.5	3	
7	55	1098	-1	191	0	-169	1	20.4	44.5	16.2	0.0	64.9	1	
8	55	162	-3	204	0	-147	1	3.0	38.9	17.3	0.0	45.4	3	
1A	111	-13463	-76	232	0	7	116	250.2	88.4	19.6	0.0	338.6	1	
1B	111	-13463	74	232	0	7	-110	250.2	84.3	19.6	0.0	334.5	1	
1C	111	-13463	-76	-88	0	-116	116	250.2	116.4	7.4	0.0	366.6	1	
1D	111	-13463	74	-88	0	-116	-110	250.2	112.2	7.4	0.0	362.5	1	
1E	111	10773	-76	232	0	7	116	200.2	88.4	19.6	0.0	288.6	1	
1F	111	10773	74	232	0	7	-110	200.2	84.3	19.6	0.0	284.5	1	
1G	111	10773	-76	-88	0	-116	116	200.2	116.4	7.4	0.0	316.6	1	
1H	111	10773	74	-88	0	-116	-110	200.2	112.2	7.4	0.0	312.5	1	
1I	111	-13547	-39	245	0	87	-38	251.8	50.4	20.7	0.0	302.2	1	
1J	111	-13547	38	245	0	87	43	251.8	54.5	20.7	0.0	306.3	1	
1K	111	-13547	-39	-101	0	-195	-38	251.8	78.4	8.5	0.0	330.2	1	
1L	111	-13547	38	-101	0	-195	43	251.8	82.5	8.5	0.0	334.3	1	
1M	111	10857	-39	245	0	87	-38	201.8	50.4	20.7	0.0	252.2	1	
1N	111	10857	38	245	0	87	43	201.8	54.5	20.7	0.0	256.3	1	
1O	111	10857	-39	-101	0	-195	-38	201.8	78.4	8.5	0.0	280.2	1	
1P	111	10857	38	-101	0	-195	43	201.8	82.5	8.5	0.0	284.3	1	
2	111	772	-4	255	0	-336	-2	14.4	88.3	21.6	0.0	102.6	1	
7	111	1129	-1	191	0	-274	1	21.0	71.2	16.2	0.0	92.1	1	
8	111	193	-3	204	0	-260	-0	3.6	67.0	17.3	0.0	70.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13509	160	86	23	23	14	1.03	1.00	364.6	
1B	-13509	160	80	23	23	14	1.03	1.00	359.9	
1C	-13509	173	86	23	23	14	1.03	1.00	368.0	
1D	-13509	173	80	23	23	14	1.03	1.00	363.3	
1E	10773	160	86	23	23	14	1.00	1.00	305.7	
1F	10773	160	80	23	23	14	1.00	1.00	301.0	
1G	10773	173	86	23	23	14	1.00	1.00	309.1	
1H	10773	173	80	23	23	14	1.00	1.00	304.4	
1I	-13593	248	15	23	23	14	1.03	1.00	335.6	
1J	-13593	248	18	23	23	14	1.03	1.00	337.8	
1K	-13593	262	15	23	23	14	1.03	1.00	339.0	
1L	-13593	262	18	23	23	14	1.03	1.00	341.2	
1M	10857	248	15	23	23	14	1.00	1.00	277.0	
1N	10857	248	18	23	23	14	1.00	1.00	279.1	
1O	10857	262	15	23	23	14	1.00	1.00	280.4	
1P	10857	262	18	23	23	14	1.00	1.00	282.5	
2	772	224	1	23	23	14	1.00	1.00	72.7	
7	1129	190	2	23	23	14	1.00	1.00	71.0	
8	193	170	2	23	23	14	1.00	1.00	48.5	

ASTA NUM. 268 NI 649 NF 648 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq					
1A	0	-6774	-109	160	0	48	127	125.9	107.3	13.6	0.0	233.2	1
1B	0	-6774	84	160	0	48	-106	125.9	91.7	13.6	0.0	217.6	1
1C	0	-6774	-109	-151	0	-120	127	125.9	125.7	12.8	0.0	251.6	1
1D	0	-6774	84	-151	0	-120	-106	125.9	110.1	12.8	0.0	236.0	1
1E	0	7709	-109	160	0	48	127	143.3	107.3	13.6	0.0	250.6	1
1F	0	7709	84	160	0	48	-106	143.3	91.7	13.6	0.0	235.0	1
1G	0	7709	-109	-151	0	-120	127	143.3	125.7	12.8	0.0	269.0	1
1H	0	7709	84	-151	0	-120	-106	143.3	110.1	12.8	0.0	253.4	1
1I	0	-5950	-48	156	0	178	52	110.6	84.6	13.2	0.0	195.2	1
1J	0	-5950	23	156	0	178	-31	110.6	69.0	13.2	0.0	179.6	1
1K	0	-5950	-48	-146	0	-249	52	110.6	103.0	12.4	0.0	213.6	1
1L	0	-5950	23	-146	0	-249	-31	110.6	87.4	12.4	0.0	198.0	1
1M	0	6885	-48	156	0	178	52	128.0	84.6	13.2	0.0	212.6	1
1N	0	6885	23	156	0	178	-31	128.0	69.0	13.2	0.0	197.0	1
1O	0	6885	-48	-146	0	-249	52	128.0	103.0	12.4	0.0	231.0	1
1P	0	6885	23	-146	0	-249	-31	128.0	87.4	12.4	0.0	215.4	1
2	0	5722	-19	6	0	-263	12	106.4	76.9	0.7	0.0	183.3	1
7	0	4781	-20	-8	0	-224	15	88.9	68.6	0.7	0.0	157.5	1
8	0	4281	-18	4	0	-203	13	79.6	61.9	0.7	0.0	141.4	1
1A	55	-6750	-109	160	0	-70	68	125.5	68.6	13.6	0.0	194.1	1
1B	55	-6750	84	160	0	-70	-60	125.5	63.3	13.6	0.0	188.8	1
1C	55	-6750	-109	-151	0	-7	68	125.5	52.3	12.8	0.0	177.8	1
1D	55	-6750	84	-151	0	-7	-60	125.5	47.0	12.8	0.0	172.5	1
1E	55	7733	-109	160	0	-70	68	143.7	68.6	13.6	0.0	212.3	1
1F	55	7733	84	160	0	-70	-60	143.7	63.3	13.6	0.0	207.1	1
1G	55	7733	-109	-151	0	-7	68	143.7	52.3	12.8	0.0	196.0	1
1H	55	7733	84	-151	0	-7	-60	143.7	47.0	12.8	0.0	190.8	1
1I	55	-5926	-48	156	0	127	27	110.2	53.1	13.2	0.0	163.3	1
1J	55	-5926	23	156	0	127	-20	110.2	47.9	13.2	0.0	158.0	1
1K	55	-5926	-48	-146	0	-204	27	110.2	72.9	12.4	0.0	183.1	1
1L	55	-5926	23	-146	0	-204	-20	110.2	67.7	12.4	0.0	177.8	1
1M	55	6909	-48	156	0	127	27	128.4	53.1	13.2	0.0	181.5	1
1N	55	6909	23	156	0	127	-20	128.4	47.9	13.2	0.0	176.3	1
1O	55	6909	-48	-146	0	-204	27	128.4	72.9	12.4	0.0	201.3	1
1P	55	6909	23	-146	0	-204	-20	128.4	67.7	12.4	0.0	196.1	1
2	55	5752	-19	6	0	-266	2	106.9	69.9	0.7	0.0	176.8	1
7	55	4812	-20	-8	0	-220	4	89.4	59.3	0.7	0.0	148.7	1
8	55	4311	-18	4	0	-205	3	80.1	54.8	0.7	0.0	134.9	1
1A	111	-6727	-109	160	0	-188	8	125.0	54.6	13.6	0.0	179.7	1
1B	111	-6727	84	160	0	-188	-15	125.0	59.7	13.6	0.0	184.8	1
1C	111	-6727	-109	-151	0	106	8	125.0	33.4	12.8	0.0	158.4	1
1D	111	-6727	84	-151	0	106	-15	125.0	38.5	12.8	0.0	163.6	1
1E	111	7756	-109	160	0	-188	8	144.2	54.6	13.6	0.0	198.8	1
1F	111	7756	84	160	0	-188	-15	144.2	59.7	13.6	0.0	203.9	1
1G	111	7756	-109	-151	0	106	8	144.2	33.4	12.8	0.0	177.6	1
1H	111	7756	84	-151	0	106	-15	144.2	38.5	12.8	0.0	182.7	1
1I	111	-5903	-48	156	0	77	3	109.7	21.6	13.2	0.0	131.3	1
1J	111	-5903	23	156	0	77	-9	109.7	26.7	13.2	0.0	136.4	1
1K	111	-5903	-48	-146	0	-159	3	109.7	42.8	12.4	0.0	152.5	1
1L	111	-5903	23	-146	0	-159	-9	109.7	47.9	12.4	0.0	157.7	1
1M	111	6932	-48	156	0	77	3	128.9	21.6	13.2	0.0	150.5	1
1N	111	6932	23	156	0	77	-9	128.9	26.7	13.2	0.0	155.6	1
1O	111	6932	-48	-146	0	-159	3	128.9	42.8	12.4	0.0	171.7	1
1P	111	6932	23	-146	0	-159	-9	128.9	47.9	12.4	0.0	176.8	1
2	111	5783	-19	6	0	-270	-9	107.5	76.1	0.7	0.0	183.6	1
7	111	4842	-20	-8	0	-216	-8	90.0	61.2	0.7	0.0	151.2	1
8	111	4341	-18	4	0	-207	-7	80.7	58.8	0.7	0.0	139.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6774	94	79	23	23	14	1.03	1.00	213.5	
1B	-6774	94	70	23	23	14	1.03	1.00	206.1	
1C	-6774	48	79	23	23	14	1.03	1.00	201.6	
1D	-6774	48	70	23	23	14	1.03	1.00	194.3	
1E	7756	94	79	23	23	14	1.00	1.00	227.7	
1F	7756	94	70	23	23	14	1.00	1.00	220.4	
1G	7756	48	79	23	23	14	1.00	1.00	215.9	
1H	7756	48	70	23	23	14	1.00	1.00	208.6	
1I	-5950	137	32	23	23	14	1.03	1.00	173.4	
1J	-5950	137	22	23	23	14	1.03	1.00	166.1	
1K	-5950	213	32	23	23	14	1.03	1.00	193.0	
1L	-5950	213	22	23	23	14	1.03	1.00	185.6	
1M	6932	137	32	23	23	14	1.00	1.00	188.3	
1N	6932	137	22	23	23	14	1.00	1.00	180.9	
1O	6932	213	32	23	23	14	1.00	1.00	207.8	
1P	6932	213	22	23	23	14	1.00	1.00	200.5	
2	5783	267	5	23	23	14	1.00	1.00	179.9	
7	4842	221	6	23	23	14	1.00	1.00	151.2	
8	4341	205	5	23	23	14	1.00	1.00	137.4	

ASTA NUM. 269 NI 648 NF 647 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq					
1A	0	-6685	-88	163	0	116	21	124.3	45.2	13.8	0.0	169.4	1
1B	0	-6685	65	163	0	116	-17	124.3	42.2	13.8	0.0	166.5	1
1C	0	-6685	-88	-41	0	-161	21	124.3	56.8	3.5	0.0	181.1	1
1D	0	-6685	65	-41	0	-161	-17	124.3	53.8	3.5	0.0	178.1	1
1E	0	7867	-88	163	0	116	21	146.2	45.2	13.8	0.0	191.4	1
1F	0	7867	65	163	0	116	-17	146.2	42.2	13.8	0.0	188.4	1
1G	0	7867	-88	-41	0	-161	21	146.2	56.8	3.5	0.0	203.0	1
1H	0	7867	65	-41	0	-161	-17	146.2	53.8	3.5	0.0	200.1	1
1I	0	-5582	-39	205	0	156	11	103.7	48.6	17.4	0.0	152.4	1
1J	0	-5582	16	205	0	156	-7	103.7	45.7	17.4	0.0	149.4	1
1K	0	-5582	-39	-84	0	-201	11	103.7	60.2	7.1	0.0	164.0	1
1L	0	-5582	16	-84	0	-201	-7	103.7	57.3	7.1	0.0	161.0	1
1M	0	6763	-39	205	0	156	11	125.7	48.6	17.4	0.0	174.3	1
1N	0	6763	16	205	0	156	-7	125.7	45.7	17.4	0.0	171.4	1
1O	0	6763	-39	-84	0	-201	11	125.7	60.2	7.1	0.0	186.0	1
1P	0	6763	16	-84	0	-201	-7	125.7	57.3	7.1	0.0	183.0	1
2	0	6081	-18	240	0	-196	3	113.0	52.9	20.3	0.0	165.9	1
7	0	5045	-19	176	0	-166	4	93.8	45.6	15.0	0.0	139.4	1
8	0	4574	-17	189	0	-149	3	85.0	40.8	16.0	0.0	125.8	1
1A	55	-6662	-88	163	0	27	-28	123.8	28.1	13.8	0.0	151.9	1
1B	55	-6662	65	163	0	27	19	123.8	21.4	13.8	0.0	145.3	1
1C	55	-6662	-88	-41	0	-139	-28	123.8	57.0	3.5	0.0	180.9	1
1D	55	-6662	65	-41	0	-139	19	123.8	50.4	3.5	0.0	174.2	1
1E	55	7890	-88	163	0	27	-28	146.7	28.1	13.8	0.0	174.8	1
1F	55	7890	65	163	0	27	19	146.7	21.4	13.8	0.0	168.1	1
1G	55	7890	-88	-41	0	-139	-28	146.7	57.0	3.5	0.0	203.7	1
1H	55	7890	65	-41	0	-139	19	146.7	50.4	3.5	0.0	197.0	1
1I	55	-5558	-39	205	0	46	-11	103.3	20.2	17.4	0.0	123.5	1
1J	55	-5558	16	205	0	46	2	103.3	13.5	17.4	0.0	116.9	3
1K	55	-5558	-39	-84	0	-158	-11	103.3	49.1	7.1	0.0	152.4	1
1L	55	-5558	16	-84	0	-158	2	103.3	42.5	7.1	0.0	145.8	1
1M	55	6786	-39	205	0	46	-11	126.1	20.2	17.4	0.0	146.3	1
1N	55	6786	16	205	0	46	2	126.1	13.5	17.4	0.0	139.7	1
1O	55	6786	-39	-84	0	-158	-11	126.1	49.1	7.1	0.0	175.3	1
1P	55	6786	16	-84	0	-158	2	126.1	42.5	7.1	0.0	168.6	1
2	55	6112	-18	240	0	-329	-7	113.6	89.7	20.3	0.0	203.3	1
7	55	5076	-19	176	0	-263	-7	94.3	72.7	15.0	0.0	167.0	1
8	55	4604	-17	189	0	-254	-7	85.6	70.3	16.0	0.0	155.8	1
1A	111	-6639	-88	163	0	-62	-77	123.4	73.7	13.8	0.0	197.1	1
1B	111	-6639	65	163	0	-62	55	123.4	57.4	13.8	0.0	180.8	1
1C	111	-6639	-88	-41	0	-118	-77	123.4	88.1	3.5	0.0	211.5	1
1D	111	-6639	65	-41	0	-118	55	123.4	71.8	3.5	0.0	195.2	1
1E	111	7914	-88	163	0	-62	-77	147.1	73.7	13.8	0.0	220.8	1
1F	111	7914	65	163	0	-62	55	147.1	57.4	13.8	0.0	204.5	1
1G	111	7914	-88	-41	0	-118	-77	147.1	88.1	3.5	0.0	235.2	1
1H	111	7914	65	-41	0	-118	55	147.1	71.8	3.5	0.0	218.9	1
1I	111	-5535	-39	205	0	-65	-34	102.9	42.2	17.4	0.0	145.0	1
1J	111	-5535	16	205	0	-65	12	102.9	25.9	17.4	0.0	128.7	1
1K	111	-5535	-39	-84	0	-115	-34	102.9	55.0	7.1	0.0	157.8	1
1L	111	-5535	16	-84	0	-115	12	102.9	38.7	7.1	0.0	141.5	1
1M	111	6810	-39	205	0	-65	-34	126.6	42.2	17.4	0.0	168.7	1
1N	111	6810	16	205	0	-65	12	126.6	25.9	17.4	0.0	152.4	1
1O	111	6810	-39	-84	0	-115	-34	126.6	55.0	7.1	0.0	181.5	1
1P	111	6810	16	-84	0	-115	12	126.6	38.7	7.1	0.0	165.2	1
2	111	6142	-18	240	0	-462	-17	114.2	131.5	20.3	0.0	245.6	1
7	111	5106	-19	176	0	-361	-17	94.9	105.6	15.0	0.0	200.5	1
8	111	4634	-17	189	0	-359	-16	86.1	104.4	16.0	0.0	190.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6685	46	38	23	23	14	1.03	1.00	168.5	
1B	-6685	46	27	23	23	14	1.03	1.00	159.9	
1C	-6685	144	38	23	23	14	1.03	1.00	193.6	
1D	-6685	144	27	23	23	14	1.03	1.00	185.0	
1E	7914	46	38	23	23	14	1.00	1.00	187.5	
1F	7914	46	27	23	23	14	1.00	1.00	178.9	
1G	7914	144	38	23	23	14	1.00	1.00	212.5	
1H	7914	144	27	23	23	14	1.00	1.00	204.0	
1I	-5582	68	16	23	23	14	1.03	1.00	136.2	
1J	-5582	68	5	23	23	14	1.03	1.00	127.9	
1K	-5582	167	16	23	23	14	1.03	1.00	161.7	
1L	-5582	167	5	23	23	14	1.03	1.00	153.4	
1M	6810	68	16	23	23	14	1.00	1.00	155.9	
1N	6810	68	5	23	23	14	1.00	1.00	147.6	
1O	6810	167	16	23	23	14	1.00	1.00	181.3	
1P	6810	167	5	23	23	14	1.00	1.00	173.1	
2	6142	355	9	23	23	14	1.00	1.00	212.2	
7	5106	283	9	23	23	14	1.00	1.00	174.2	
8	4634	275	8	23	23	14	1.00	1.00	163.2	

ASTA NUM. 270 NI 647 NF 646 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	699	-166	97	0	-31	47	13.0	43.1	8.2	0.0	56.1	1
1B	0	699	36	97	0	-31	-33	13.0	32.6	8.2	0.0	45.6	1
1C	0	699	-166	-22	0	-112	47	13.0	63.7	6.2	0.0	76.7	1
1D	0	699	36	-22	0	-112	-33	13.0	53.2	1.8	0.0	66.2	1
1E	0	5351	-166	97	0	-31	47	99.5	43.1	8.2	0.0	142.5	1
1F	0	5351	36	97	0	-31	-33	99.5	32.6	8.2	0.0	132.0	1
1G	0	5351	-166	-22	0	-112	47	99.5	63.7	6.2	0.0	163.2	1
1H	0	5351	36	-22	0	-112	-33	99.5	53.2	1.8	0.0	152.7	1
1I	0	1515	-131	189	0	11	23	28.2	20.0	16.0	0.0	48.2	1
1J	0	1515	1	189	0	11	-9	28.2	9.5	16.0	0.0	39.7	4
1K	0	1515	-131	-114	0	-153	23	28.2	56.7	9.6	0.0	84.9	1
1L	0	1515	1	-114	0	-153	-9	28.2	46.2	9.6	0.0	74.4	1
1M	0	4535	-131	189	0	11	23	84.3	20.0	16.0	0.0	104.3	1
1N	0	4535	1	189	0	11	-9	84.3	9.5	16.0	0.0	93.8	1
1O	0	4535	-131	-114	0	-153	23	84.3	56.7	9.6	0.0	141.0	1
1P	0	4535	1	-114	0	-153	-9	84.3	46.2	9.6	0.0	130.5	1
2	0	11610	-81	100	0	-386	13	215.8	109.0	8.5	0.0	324.8	1
7	0	9333	-82	67	0	-310	12	173.5	88.7	5.7	0.0	262.1	1
8	0	9316	-82	82	0	-301	11	173.2	86.0	6.9	0.0	259.1	1
1A	55	722	-166	97	0	-91	66	13.4	72.7	8.2	0.0	86.1	1
1B	55	722	36	97	0	-91	-123	13.4	115.9	8.2	0.0	129.4	1
1C	55	722	-166	-22	0	-93	66	13.4	73.2	6.2	0.0	86.6	1
1D	55	722	36	-22	0	-93	-123	13.4	116.4	1.8	0.0	129.8	1
1E	55	5374	-166	97	0	-91	66	99.9	72.7	8.2	0.0	172.6	1
1F	55	5374	36	97	0	-91	-123	99.9	115.9	8.2	0.0	215.8	1
1G	55	5374	-166	-22	0	-93	66	99.9	73.2	6.2	0.0	173.1	1
1H	55	5374	36	-22	0	-93	-123	99.9	116.4	1.8	0.0	216.3	1
1I	55	1538	-131	189	0	-96	20	28.6	39.8	16.0	0.0	68.4	1
1J	55	1538	1	189	0	-96	-78	28.6	83.0	16.0	0.0	111.6	1
1K	55	1538	-131	-114	0	-88	20	28.6	37.7	9.6	0.0	66.3	1
1L	55	1538	1	-114	0	-88	-78	28.6	80.9	9.6	0.0	109.5	1
1M	55	4558	-131	189	0	-96	20	84.7	39.8	16.0	0.0	124.5	1
1N	55	4558	1	189	0	-96	-78	84.7	83.0	16.0	0.0	167.7	1
1O	55	4558	-131	-114	0	-88	20	84.7	37.7	9.6	0.0	122.4	1
1P	55	4558	1	-114	0	-88	-78	84.7	80.9	9.6	0.0	165.7	1
2	55	11640	-81	100	0	-442	-32	216.4	137.8	8.5	0.0	354.2	1
7	55	9363	-82	67	0	-347	-33	174.0	114.3	5.7	0.0	288.4	1
8	55	9346	-82	82	0	-346	-34	173.7	114.4	6.9	0.0	288.1	1
1A	111	745	-166	97	0	-152	85	13.9	102.3	8.2	0.0	116.2	1
1B	111	745	36	97	0	-152	-214	13.9	199.3	8.2	0.0	213.2	1
1C	111	745	-166	-22	0	-75	85	13.9	82.6	6.2	0.0	96.5	1
1D	111	745	36	-22	0	-75	-214	13.9	179.6	1.8	0.0	193.5	1
1E	111	5397	-166	97	0	-152	85	100.3	102.3	8.2	0.0	202.6	1
1F	111	5397	36	97	0	-152	-214	100.3	199.3	8.2	0.0	299.6	1
1G	111	5397	-166	-22	0	-75	85	100.3	82.6	6.2	0.0	182.9	1
1H	111	5397	36	-22	0	-75	-214	100.3	179.6	1.8	0.0	279.9	1
1I	111	1561	-131	189	0	-204	17	29.0	65.1	16.0	0.0	94.1	1
1J	111	1561	1	189	0	-204	-147	29.0	162.1	16.0	0.0	191.1	1
1K	111	1561	-131	-114	0	-23	17	29.0	18.6	9.6	0.0	47.7	1
1L	111	1561	1	-114	0	-23	-147	29.0	115.6	9.6	0.0	144.7	1
1M	111	4581	-131	189	0	-204	17	85.1	65.1	16.0	0.0	150.2	1
1N	111	4581	1	189	0	-204	-147	85.1	162.1	16.0	0.0	247.2	1
1O	111	4581	-131	-114	0	-23	17	85.1	18.6	9.6	0.0	103.8	1
1P	111	4581	1	-114	0	-23	-147	85.1	115.6	9.6	0.0	200.8	1
2	111	11670	-81	100	0	-497	-77	216.9	185.8	8.5	0.0	402.7	1
7	111	9393	-82	67	0	-384	-79	174.6	157.9	5.7	0.0	332.5	1
8	111	9376	-82	82	0	-391	-79	174.3	159.9	6.9	0.0	334.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	745	103	69	23	23	14	1.00	1.00	92.5	
1B	745	103	142	23	23	14	1.00	1.00	146.5	
1C	745	97	69	23	23	14	1.00	1.00	90.8	
1D	745	97	142	23	23	14	1.00	1.00	144.8	
1E	5397	103	69	23	23	14	1.00	1.00	178.9	
1F	5397	103	142	23	23	14	1.00	1.00	232.9	
1G	5397	97	69	23	23	14	1.00	1.00	177.2	
1H	5397	97	142	23	23	14	1.00	1.00	231.2	
1I	1561	118	21	23	23	14	1.00	1.00	74.8	
1J	1561	118	92	23	23	14	1.00	1.00	127.9	
1K	1561	101	21	23	23	14	1.00	1.00	70.5	
1L	1561	101	92	23	23	14	1.00	1.00	123.6	
1M	4581	118	21	23	23	14	1.00	1.00	130.9	
1N	4581	118	92	23	23	14	1.00	1.00	184.0	
1O	4581	101	21	23	23	14	1.00	1.00	126.6	
1P	4581	101	92	23	23	14	1.00	1.00	179.7	
2	11670	453	41	23	23	14	1.00	1.00	364.3	
7	9393	355	43	23	23	14	1.00	1.00	297.6	
8	9376	355	43	23	23	14	1.00	1.00	297.8	

ASTA NUM. 271 NI 646 NF 645 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	861	-150	284	0	-51	83	16.0	75.5	24.1	0.0	91.5	1
1B	0	861	11	284	0	-51	-197	16.0	160.4	24.1	0.0	176.5	1
1C	0	861	-150	5	0	-143	83	16.0	99.2	5.6	0.0	115.2	1
1D	0	861	11	5	0	-143	-197	16.0	184.2	0.4	0.0	200.2	1
1E	0	5413	-150	284	0	-51	83	100.6	75.5	24.1	0.0	176.1	1
1F	0	5413	11	284	0	-51	-197	100.6	160.4	24.1	0.0	261.1	1
1G	0	5413	-150	5	0	-143	83	100.6	99.2	5.6	0.0	199.8	1
1H	0	5413	11	5	0	-143	-197	100.6	184.2	0.4	0.0	284.8	1
1I	0	1436	-127	410	0	-59	19	26.7	29.2	34.8	0.0	67.5	3
1J	0	1436	-11	410	0	-59	-132	26.7	114.1	34.8	0.0	140.8	1
1K	0	1436	-127	-121	0	-136	19	26.7	49.1	10.2	0.0	75.8	1
1L	0	1436	-11	-121	0	-136	-132	26.7	134.1	10.2	0.0	160.7	1
1M	0	4838	-127	410	0	-59	19	89.9	29.2	34.8	0.0	119.1	1
1N	0	4838	-11	410	0	-59	-132	89.9	114.1	34.8	0.0	204.1	1
1O	0	4838	-127	-121	0	-136	19	89.9	49.1	10.2	0.0	139.1	1
1P	0	4838	-11	-121	0	-136	-132	89.9	134.1	10.2	0.0	224.0	1
2	0	11920	-91	662	0	-438	-66	221.6	162.1	56.1	0.0	383.7	1
7	0	9558	-91	490	0	-345	-67	177.7	139.2	41.5	0.0	316.8	1
8	0	9567	-90	514	0	-345	-68	177.8	139.9	43.6	0.0	317.7	1
1A	55	885	-150	284	0	-221	89	16.4	123.7	24.1	0.0	140.1	1
1B	55	885	11	284	0	-221	-279	16.4	265.8	24.1	0.0	282.3	1
1C	55	885	-150	5	0	-134	89	16.4	101.5	5.6	0.0	117.9	1
1D	55	885	11	5	0	-134	-279	16.4	243.6	0.4	0.0	260.1	1
1E	55	5436	-150	284	0	-221	89	101.0	123.7	24.1	0.0	224.7	1
1F	55	5436	11	284	0	-221	-279	101.0	265.8	24.1	0.0	366.9	1
1G	55	5436	-150	5	0	-134	89	101.0	101.5	5.6	0.0	202.5	1
1H	55	5436	11	5	0	-134	-279	101.0	243.6	0.4	0.0	344.7	1
1I	55	1460	-127	410	0	-3	12	27.1	10.0	34.8	0.0	66.2	4
1J	55	1460	-11	410	0	-3	-202	27.1	152.2	34.8	0.0	179.3	1
1K	55	1460	-127	-121	0	-352	12	27.1	100.0	10.2	0.0	127.1	1
1L	55	1460	-11	-121	0	-352	-202	27.1	242.1	10.2	0.0	269.3	1
1M	55	4862	-127	410	0	-3	12	90.4	10.0	34.8	0.0	108.9	4
1N	55	4862	-11	410	0	-3	-202	90.4	152.2	34.8	0.0	242.6	1
1O	55	4862	-127	-121	0	-352	12	90.4	100.0	10.2	0.0	190.3	1
1P	55	4862	-11	-121	0	-352	-202	90.4	242.1	10.2	0.0	332.5	1
2	55	11950	-91	662	0	-805	-116	222.1	293.9	56.1	0.0	516.1	1
7	55	9588	-91	490	0	-616	-118	178.2	246.5	41.5	0.0	424.7	1
8	55	9598	-90	514	0	-630	-118	178.4	250.5	43.6	0.0	428.9	1
1A	111	908	-150	284	0	-390	95	16.9	171.8	24.1	0.0	188.7	1
1B	111	908	11	284	0	-390	-362	16.9	371.2	24.1	0.0	388.1	1
1C	111	908	-150	5	0	-125	95	16.9	103.7	5.6	0.0	120.6	1
1D	111	908	11	5	0	-125	-362	16.9	303.1	0.4	0.0	320.0	1
1E	111	5460	-150	284	0	-390	95	101.5	171.8	24.1	0.0	273.3	1
1F	111	5460	11	284	0	-390	-362	101.5	371.2	24.1	0.0	472.7	1
1G	111	5460	-150	5	0	-125	95	101.5	103.7	5.6	0.0	205.2	1
1H	111	5460	11	5	0	-125	-362	101.5	303.1	0.4	0.0	404.6	1
1I	111	1483	-127	410	0	53	6	27.6	18.2	34.8	0.0	67.1	3
1J	111	1483	-11	410	0	53	-272	27.6	217.6	34.8	0.0	245.2	1
1K	111	1483	-127	-121	0	-568	6	27.6	150.8	10.2	0.0	178.4	1
1L	111	1483	-11	-121	0	-568	-272	27.6	350.2	10.2	0.0	377.8	1
1M	111	4885	-127	410	0	53	6	90.8	18.2	34.8	0.0	116.4	3
1N	111	4885	-11	410	0	53	-272	90.8	217.6	34.8	0.0	308.4	1
1O	111	4885	-127	-121	0	-568	6	90.8	150.8	10.2	0.0	241.6	1
1P	111	4885	-11	-121	0	-568	-272	90.8	350.2	10.2	0.0	441.0	1
2	111	11980	-91	662	0	-1171	-166	222.7	425.8	56.1	0.0	648.5	1
7	111	9619	-91	490	0	-887	-168	178.8	353.8	41.5	0.0	532.6	1
8	111	9628	-90	514	0	-915	-168	179.0	361.1	43.6	0.0	540.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	908	254	91	23	23	14	1.00	1.00	150.2	
1B	908	254	296	23	23	14	1.00	1.00	303.8	
1C	908	136	91	23	23	14	1.00	1.00	119.7	
1D	908	136	296	23	23	14	1.00	1.00	273.4	
1E	5460	254	91	23	23	14	1.00	1.00	234.8	
1F	5460	254	296	23	23	14	1.00	1.00	388.4	
1G	5460	136	91	23	23	14	1.00	1.00	204.3	
1H	5460	136	296	23	23	14	1.00	1.00	358.0	
1I	1483	23	14	23	23	14	1.00	1.00	43.9	
1J	1483	23	216	23	23	14	1.00	1.00	195.6	
1K	1483	396	14	23	23	14	1.00	1.00	139.6	
1L	1483	396	216	23	23	14	1.00	1.00	291.3	
1M	4885	23	14	23	23	14	1.00	1.00	107.1	
1N	4885	23	216	23	23	14	1.00	1.00	258.8	
1O	4885	396	14	23	23	14	1.00	1.00	202.8	
1P	4885	396	216	23	23	14	1.00	1.00	354.5	
2	11980	878	126	23	23	14	1.00	1.00	543.0	
7	9619	670	128	23	23	14	1.00	1.00	446.8	
8	9628	687	128	23	23	14	1.00	1.00	451.6	

ASTA NUM. 272 NI 645 NF 644 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	1110	-73	-173	0	-154	88	20.6	105.3	14.6	0.0	125.9	1
1B	0	1110	344	-173	0	-154	-370	20.6	316.5	14.6	0.0	337.1	1
1C	0	1110	-73	-512	0	-392	88	20.6	166.4	43.4	0.0	187.0	1
1D	0	1110	344	-512	0	-392	-370	20.6	377.6	43.4	0.0	398.2	1
1E	0	3308	-73	-173	0	-154	88	61.5	105.3	14.6	0.0	166.8	1
1F	0	3308	344	-173	0	-154	-370	61.5	316.5	14.6	0.0	378.0	1
1G	0	3308	-73	-512	0	-392	88	61.5	166.4	43.4	0.0	227.8	1
1H	0	3308	344	-512	0	-392	-370	61.5	377.6	43.4	0.0	439.1	1
1I	0	571	9	35	0	29	-6	10.6	11.7	2.9	0.0	22.3	1
1J	0	571	262	35	0	29	-277	10.6	214.5	9.8	0.0	225.1	1
1K	0	571	9	-720	0	-575	-6	10.6	152.1	61.0	0.0	170.9	3
1L	0	571	262	-720	0	-575	-277	10.6	354.9	61.0	0.0	365.5	1
1M	0	3847	9	35	0	29	-6	71.5	11.7	2.9	0.0	83.2	1
1N	0	3847	262	35	0	29	-277	71.5	214.5	9.8	0.0	286.0	1
1O	0	3847	9	-720	0	-575	-6	71.5	152.1	61.0	0.0	224.4	3
1P	0	3847	262	-720	0	-575	-277	71.5	354.9	61.0	0.0	426.4	1
2	0	6500	185	-1669	0	-1263	-193	120.8	469.7	141.5	0.0	590.5	1
7	0	5316	184	-1265	0	-959	-192	98.8	390.2	107.3	0.0	489.0	1
8	0	5384	182	-1297	0	-986	-190	100.1	395.7	110.0	0.0	495.8	1
1A	55	1134	-73	-173	0	-70	47	21.1	53.5	14.6	0.0	74.5	1
1B	55	1134	344	-173	0	-70	-180	21.1	152.6	14.6	0.0	173.7	1
1C	55	1134	-73	-512	0	-97	47	21.1	60.2	43.4	0.0	81.3	1
1D	55	1134	344	-512	0	-97	-180	21.1	159.4	43.4	0.0	180.4	1
1E	55	3331	-73	-173	0	-70	47	61.9	53.5	14.6	0.0	115.4	1
1F	55	3331	344	-173	0	-70	-180	61.9	152.6	14.6	0.0	214.5	1
1G	55	3331	-73	-512	0	-97	47	61.9	60.2	43.4	0.0	122.1	1
1H	55	3331	344	-512	0	-97	-180	61.9	159.4	43.4	0.0	221.3	1
1I	55	594	9	35	0	6	-1	11.0	2.1	2.9	0.0	13.2	3
1J	55	594	262	35	0	6	-132	11.0	100.1	9.8	0.0	111.2	1
1K	55	594	9	-720	0	-173	-1	11.0	45.0	61.0	0.0	106.4	3
1L	55	594	262	-720	0	-173	-132	11.0	143.0	61.0	0.0	154.1	1
1M	55	3871	9	35	0	6	-1	71.9	2.1	2.9	0.0	74.1	1
1N	55	3871	262	35	0	6	-132	71.9	100.1	9.8	0.0	172.1	1
1O	55	3871	9	-720	0	-173	-1	71.9	45.0	61.0	0.0	145.7	3
1P	55	3871	262	-720	0	-173	-132	71.9	143.0	61.0	0.0	215.0	1
2	55	6530	185	-1669	0	-339	-91	121.4	155.5	141.5	0.0	296.4	3
7	55	5346	184	-1265	0	-259	-90	99.4	134.1	107.3	0.0	233.5	1
8	55	5414	182	-1297	0	-268	-89	100.6	135.8	110.0	0.0	236.4	1
1A	111	1157	-73	-173	0	14	7	21.5	8.7	14.6	0.0	33.8	3
1B	111	1157	344	-173	0	14	10	21.5	11.3	14.6	0.0	40.3	3
1C	111	1157	-73	-512	0	199	7	21.5	56.2	43.4	0.0	94.8	3
1D	111	1157	344	-512	0	199	10	21.5	58.9	43.4	0.0	97.4	3
1E	111	3355	-73	-173	0	14	7	62.4	8.7	14.6	0.0	71.0	1
1F	111	3355	344	-173	0	14	10	62.4	11.3	14.6	0.0	73.7	1
1G	111	3355	-73	-512	0	199	7	62.4	56.2	43.4	0.0	127.1	3
1H	111	3355	344	-512	0	199	10	62.4	58.9	43.4	0.0	129.1	3
1I	111	618	9	35	0	-17	4	11.5	7.5	2.9	0.0	18.9	1
1J	111	618	262	35	0	-17	13	11.5	14.2	9.8	0.0	25.7	1
1K	111	618	9	-720	0	229	4	11.5	62.1	61.0	0.0	113.5	3
1L	111	618	262	-720	0	229	13	11.5	68.8	61.0	0.0	114.9	3
1M	111	3894	9	35	0	-17	4	72.4	7.5	2.9	0.0	79.8	1
1N	111	3894	262	35	0	-17	13	72.4	14.2	9.8	0.0	86.6	1
1O	111	3894	9	-720	0	229	4	72.4	62.1	61.0	0.0	156.3	3
1P	111	3894	262	-720	0	229	13	72.4	68.8	61.0	0.0	157.4	3
2	111	6561	185	-1669	0	584	11	122.0	158.7	141.5	0.0	336.2	3
7	111	5377	184	-1265	0	441	11	99.9	121.9	107.3	0.0	260.5	3
8	111	5444	182	-1297	0	450	11	101.2	124.2	110.0	0.0	265.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1157	87	55	23	23	14	1.00	1.00	85.3	
1B	1157	87	218	23	23	14	1.00	1.00	206.9	
1C	1157	157	55	23	23	14	1.00	1.00	103.2	
1D	1157	157	218	23	23	14	1.00	1.00	224.8	
1E	3355	87	55	23	23	14	1.00	1.00	126.2	
1F	3355	87	218	23	23	14	1.00	1.00	247.7	
1G	3355	157	55	23	23	14	1.00	1.00	144.1	
1H	3355	157	218	23	23	14	1.00	1.00	265.6	
1I	618	12	2	23	23	14	1.00	1.00	16.2	
1J	618	12	161	23	23	14	1.00	1.00	134.7	
1K	618	253	2	23	23	14	1.00	1.00	78.3	
1L	618	253	161	23	23	14	1.00	1.00	196.9	
1M	3894	12	2	23	23	14	1.00	1.00	77.1	
1N	3894	12	161	23	23	14	1.00	1.00	195.6	
1O	3894	253	2	23	23	14	1.00	1.00	139.2	
1P	3894	253	161	23	23	14	1.00	1.00	257.8	
2	6561	524	111	23	23	14	1.00	1.00	340.3	
7	5377	399	111	23	23	14	1.00	1.00	285.3	
8	5444	411	109	23	23	14	1.00	1.00	288.9	

ASTA NUM. 273 NI 612 NF 611 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-22633	-56	406	0	417	69	420.7	159.1	34.4	0.0	579.8	1	

1B	0	-22633	83	406	0	417	-47	420.7	142.7	34.4	0.0	563.3	1
1C	0	-22633	-56	-69	0	-223	69	420.7	109.2	5.9	0.0	529.9	1
1D	0	-22633	83	-69	0	-223	-47	420.7	92.7	5.9	0.0	513.4	1
1E	0	11229	-56	406	0	417	69	208.7	159.1	34.4	0.0	367.8	1
1F	0	11229	83	406	0	417	-47	208.7	142.7	34.4	0.0	351.4	1
1G	0	11229	-56	-69	0	-223	69	208.7	109.2	5.9	0.0	317.9	1
1H	0	11229	83	-69	0	-223	-47	208.7	92.7	5.9	0.0	301.5	1
1I	0	-29955	-27	366	0	687	49	556.8	213.4	31.0	0.0	770.2	1
1J	0	-29955	54	366	0	687	-27	556.8	197.0	31.0	0.0	753.8	1
1K	0	-29955	-27	-29	0	-493	49	556.8	163.5	2.4	0.0	720.3	1
1L	0	-29955	54	-29	0	-493	-27	556.8	147.1	2.4	0.0	703.8	1
1M	0	18551	-27	366	0	687	49	344.8	213.4	31.0	0.0	558.2	1
1N	0	18551	54	366	0	687	-27	344.8	197.0	31.0	0.0	541.8	1
1O	0	18551	-27	-29	0	-493	49	344.8	163.5	2.4	0.0	508.3	1
1P	0	18551	54	-29	0	-493	-27	344.8	147.1	2.4	0.0	491.9	1
2	0	-1369	16	228	0	-44	11	25.4	19.8	19.3	0.0	46.5	3
7	0	-877	15	210	0	-52	10	16.3	20.9	17.8	0.0	39.4	3
8	0	-2974	16	224	0	2	12	55.3	9.5	19.0	0.0	64.8	1
1A	55	-22610	-56	406	0	260	115	420.3	153.0	34.4	0.0	573.2	1
1B	55	-22610	83	406	0	260	-78	420.3	125.4	34.4	0.0	545.6	1
1C	55	-22610	-56	-69	0	-252	115	420.3	151.0	5.9	0.0	571.3	1
1D	55	-22610	83	-69	0	-252	-78	420.3	123.5	5.9	0.0	543.7	1
1E	55	11252	-56	406	0	260	115	209.2	153.0	34.4	0.0	362.1	1
1F	55	11252	83	406	0	260	-78	209.2	125.4	34.4	0.0	334.6	1
1G	55	11252	-56	-69	0	-252	115	209.2	151.0	5.9	0.0	360.2	1
1H	55	11252	83	-69	0	-252	-78	209.2	123.5	5.9	0.0	332.6	1
1I	55	-29932	-27	366	0	507	79	556.3	189.3	31.0	0.0	745.6	1
1J	55	-29932	54	366	0	507	-42	556.3	161.7	31.0	0.0	718.0	1
1K	55	-29932	-27	-29	0	-499	79	556.3	187.3	2.4	0.0	743.7	1
1L	55	-29932	54	-29	0	-499	-42	556.3	159.8	2.4	0.0	716.1	1
1M	55	18574	-27	366	0	507	79	345.3	189.3	31.0	0.0	534.5	1
1N	55	18574	54	366	0	507	-42	345.3	161.7	31.0	0.0	506.9	1
1O	55	18574	-27	-29	0	-499	79	345.3	187.3	2.4	0.0	532.6	1
1P	55	18574	54	-29	0	-499	-42	345.3	159.8	2.4	0.0	505.0	1
2	55	-1338	16	228	0	-170	20	24.9	59.0	19.3	0.0	83.9	1
7	55	-847	15	210	0	-168	18	15.7	57.0	17.8	0.0	72.7	1
8	55	-2944	16	224	0	-122	21	54.7	47.1	19.0	0.0	101.8	1
1A	111	-22586	-56	406	0	103	161	419.8	146.9	34.4	0.0	566.7	1
1B	111	-22586	83	406	0	103	-109	419.8	108.1	34.4	0.0	528.0	1
1C	111	-22586	-56	-69	0	-282	161	419.8	192.9	5.9	0.0	612.7	1
1D	111	-22586	83	-69	0	-282	-109	419.8	154.2	5.9	0.0	574.0	1
1E	111	11276	-56	406	0	103	161	209.6	146.9	34.4	0.0	356.5	1
1F	111	11276	83	406	0	103	-109	209.6	108.1	34.4	0.0	317.7	1
1G	111	11276	-56	-69	0	-282	161	209.6	192.9	5.9	0.0	402.5	1
1H	111	11276	83	-69	0	-282	-109	209.6	154.2	5.9	0.0	363.8	1
1I	111	-29908	-27	366	0	327	108	555.9	165.1	31.0	0.0	721.0	1
1J	111	-29908	54	366	0	327	-56	555.9	126.4	31.0	0.0	682.3	1
1K	111	-29908	-27	-29	0	-506	108	555.9	211.2	2.4	0.0	767.1	1
1L	111	-29908	54	-29	0	-506	-56	555.9	172.5	2.4	0.0	728.4	1
1M	111	18598	-27	366	0	327	108	345.7	165.1	31.0	0.0	510.8	1
1N	111	18598	54	366	0	327	-56	345.7	126.4	31.0	0.0	472.1	1
1O	111	18598	-27	-29	0	-506	108	345.7	211.2	2.4	0.0	556.9	1
1P	111	18598	54	-29	0	-506	-56	345.7	172.5	2.4	0.0	518.1	1
2	111	-1308	16	228	0	-296	29	24.3	98.1	19.3	0.0	122.4	1
7	111	-817	15	210	0	-284	26	15.2	93.0	17.8	0.0	108.1	1
8	111	-2913	16	224	0	-246	30	54.1	85.7	19.0	0.0	139.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-22633	291	124	23	23	14	1.03	1.00	602.5	
1B	-22633	291	84	23	23	14	1.03	1.00	572.4	
1C	-22633	258	124	23	23	14	1.03	1.00	594.0	
1D	-22633	258	84	23	23	14	1.03	1.00	563.9	
1E	11276	291	124	23	23	14	1.00	1.00	377.5	
1F	11276	291	84	23	23	14	1.00	1.00	347.7	
1G	11276	258	124	23	23	14	1.00	1.00	369.0	
1H	11276	258	84	23	23	14	1.00	1.00	339.2	
1I	-29955	543	85	23	23	14	1.03	1.00	778.1	
1J	-29955	543	45	23	23	14	1.03	1.00	747.9	
1K	-29955	501	85	23	23	14	1.03	1.00	767.2	
1L	-29955	501	45	23	23	14	1.03	1.00	736.9	
1M	18598	543	85	23	23	14	1.00	1.00	548.7	
1N	18598	543	45	23	23	14	1.00	1.00	518.9	
1O	18598	501	85	23	23	14	1.00	1.00	537.8	
1P	18598	501	45	23	23	14	1.00	1.00	508.0	
2	-1369	196	22	23	23	14	1.03	1.00	93.0	
7	-877	191	20	23	23	14	1.03	1.00	81.0	
8	-2974	147	23	23	23	14	1.03	1.00	111.8	

ASTA NUM. 274 NI 611 NF 610 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12936	-148	103	0	227	161	240.4	178.9	8.7	0.0	419.4	1	
1B	0	-12936	103	103	0	227	-120	240.4	148.5	8.7	0.0	388.9	1	

1C	0	-12936	-148	-340	0	-361	161	240.4	213.6	28.8	0.0	454.0	1
1D	0	-12936	103	-340	0	-361	-120	240.4	183.1	28.8	0.0	423.6	1
1E	0	1026	-148	103	0	227	161	19.1	178.9	8.7	0.0	198.0	1
1F	0	1026	103	103	0	227	-120	19.1	148.5	8.7	0.0	167.6	1
1G	0	1026	-148	-340	0	-361	161	19.1	213.6	28.8	0.0	232.7	1
1H	0	1026	103	-340	0	-361	-120	19.1	183.1	28.8	0.0	202.2	1
1I	0	-20516	-102	173	0	527	111	381.3	218.7	14.7	0.0	600.0	1
1J	0	-20516	56	173	0	527	-70	381.3	188.2	14.7	0.0	569.5	1
1K	0	-20516	-102	-410	0	-661	111	381.3	253.3	34.8	0.0	634.6	1
1L	0	-20516	56	-410	0	-661	-70	381.3	222.9	34.8	0.0	604.2	1
1M	0	8606	-102	173	0	527	111	160.0	218.7	14.7	0.0	378.6	1
1N	0	8606	56	173	0	527	-70	160.0	188.2	14.7	0.0	348.2	1
1O	0	8606	-102	-410	0	-661	111	160.0	253.3	34.8	0.0	413.3	1
1P	0	8606	56	-410	0	-661	-70	160.0	222.9	34.8	0.0	382.8	1
2	0	-4023	-25	-272	0	-318	19	74.8	96.3	23.0	0.0	171.1	1
7	0	-3719	-23	-263	0	-307	17	69.1	91.6	22.3	0.0	160.8	1
8	0	-5005	-26	-238	0	-253	21	93.0	81.0	20.2	0.0	174.0	1
1A	55	-12912	-148	103	0	212	80	240.0	114.2	8.7	0.0	354.2	1
1B	55	-12912	103	103	0	212	-64	240.0	102.7	8.7	0.0	342.7	1
1C	55	-12912	-148	-340	0	-215	80	240.0	115.1	28.8	0.0	355.1	1
1D	55	-12912	103	-340	0	-215	-64	240.0	103.5	28.8	0.0	343.6	1
1E	55	1050	-148	103	0	212	80	19.5	114.2	8.7	0.0	133.7	1
1F	55	1050	103	103	0	212	-64	19.5	102.7	8.7	0.0	122.2	1
1G	55	1050	-148	-340	0	-215	80	19.5	115.1	28.8	0.0	134.6	1
1H	55	1050	103	-340	0	-215	-64	19.5	103.5	28.8	0.0	123.1	1
1I	55	-20493	-102	173	0	444	55	380.9	155.8	14.7	0.0	536.7	1
1J	55	-20493	56	173	0	444	-40	380.9	144.2	14.7	0.0	525.1	1
1K	55	-20493	-102	-410	0	-448	55	380.9	156.6	34.8	0.0	537.5	1
1L	55	-20493	56	-410	0	-448	-40	380.9	145.1	34.8	0.0	526.0	1
1M	55	8630	-102	173	0	444	55	160.4	155.8	14.7	0.0	316.2	1
1N	55	8630	56	173	0	444	-40	160.4	144.2	14.7	0.0	304.6	1
1O	55	8630	-102	-410	0	-448	55	160.4	156.6	34.8	0.0	317.0	1
1P	55	8630	56	-410	0	-448	-40	160.4	145.1	34.8	0.0	305.5	1
2	55	-3992	-25	-272	0	-167	6	74.2	47.3	23.0	0.0	121.5	1
7	55	-3688	-23	-263	0	-162	4	68.6	44.9	22.3	0.0	113.4	1
8	55	-4974	-26	-238	0	-122	7	92.5	36.2	20.2	0.0	128.7	1
1A	111	-12889	-148	103	0	197	-2	239.6	52.1	8.7	0.0	291.6	1
1B	111	-12889	103	103	0	197	-8	239.6	56.8	8.7	0.0	296.4	1
1C	111	-12889	-148	-340	0	-70	-2	239.6	19.2	28.8	0.0	259.6	3
1D	111	-12889	103	-340	0	-70	-8	239.6	24.0	28.8	0.0	263.5	1
1E	111	1073	-148	103	0	197	-2	19.9	52.1	8.7	0.0	72.0	1
1F	111	1073	103	103	0	197	-8	19.9	56.8	8.7	0.0	76.8	1
1G	111	1073	-148	-340	0	-70	-2	19.9	19.2	28.8	0.0	57.8	3
1H	111	1073	103	-340	0	-70	-8	19.9	24.0	28.8	0.0	57.4	3
1I	111	-20469	-102	173	0	362	-0	380.5	93.5	14.7	0.0	474.0	1
1J	111	-20469	56	173	0	362	-9	380.5	100.2	14.7	0.0	480.7	1
1K	111	-20469	-102	-410	0	-234	-0	380.5	60.6	34.8	0.0	441.1	1
1L	111	-20469	56	-410	0	-234	-9	380.5	67.3	34.8	0.0	447.8	1
1M	111	8653	-102	173	0	362	-0	160.8	93.5	14.7	0.0	254.3	1
1N	111	8653	56	173	0	362	-9	160.8	100.2	14.7	0.0	261.0	1
1O	111	8653	-102	-410	0	-234	-0	160.8	60.6	34.8	0.0	221.4	1
1P	111	8653	56	-410	0	-234	-9	160.8	67.3	34.8	0.0	228.1	1
2	111	-3962	-25	-272	0	-17	-8	73.6	10.5	23.0	0.0	85.4	3
7	111	-3658	-23	-263	0	-17	-8	68.0	10.5	22.3	0.0	79.7	3
8	111	-4944	-26	-238	0	10	-8	91.9	8.5	20.2	0.0	100.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12936	215	96	23	23	14	1.03	1.00	375.4	
1B	-12936	215	76	23	23	14	1.03	1.00	360.0	
1C	-12936	245	96	23	23	14	1.03	1.00	383.0	
1D	-12936	245	76	23	23	14	1.03	1.00	367.6	
1E	1073	215	96	23	23	14	1.00	1.00	147.1	
1F	1073	215	76	23	23	14	1.00	1.00	131.8	
1G	1073	245	96	23	23	14	1.00	1.00	154.7	
1H	1073	245	76	23	23	14	1.00	1.00	139.4	
1I	-20516	461	66	23	23	14	1.03	1.00	562.0	
1J	-20516	461	46	23	23	14	1.03	1.00	546.6	
1K	-20516	491	66	23	23	14	1.03	1.00	569.7	
1L	-20516	491	46	23	23	14	1.03	1.00	554.2	
1M	8653	461	66	23	23	14	1.00	1.00	329.2	
1N	8653	461	46	23	23	14	1.00	1.00	313.8	
1O	8653	491	66	23	23	14	1.00	1.00	336.8	
1P	8653	491	46	23	23	14	1.00	1.00	321.5	
2	-4023	198	8	23	23	14	1.03	1.00	134.1	
7	-3719	191	7	23	23	14	1.03	1.00	125.5	
8	-5005	148	9	23	23	14	1.03	1.00	141.1	

ASTA NUM. 275 NI 610 NF 609 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12760	-137	308	0	252	2	237.2	66.7	26.1	0.0	303.8	1	
1B	0	-12760	91	308	0	252	-15	237.2	75.9	26.1	0.0	313.1	1	
1C	0	-12760	-137	56	0	-82	2	237.2	23.0	5.1	0.0	260.1	1	

1D	0	-12760	91	56	0	-82	-15	237.2	32.2	4.7	0.0	269.4	1
1E	0	1114	-137	308	0	252	2	20.7	66.7	26.1	0.0	88.8	3
1F	0	1114	91	308	0	252	-15	20.7	75.9	26.1	0.0	96.6	1
1G	0	1114	-137	56	0	-82	2	20.7	23.0	5.1	0.0	43.7	1
1H	0	1114	91	56	0	-82	-15	20.7	32.2	4.7	0.0	52.9	1
1I	0	-19825	-99	448	0	532	6	368.5	140.9	38.0	0.0	509.4	1
1J	0	-19825	53	448	0	532	-18	368.5	150.2	38.0	0.0	518.7	1
1K	0	-19825	-99	-84	0	-362	6	368.5	97.2	7.1	0.0	465.7	1
1L	0	-19825	53	-84	0	-362	-18	368.5	106.5	7.1	0.0	475.0	1
1M	0	8179	-99	448	0	532	6	152.0	140.9	38.0	0.0	293.0	1
1N	0	8179	53	448	0	532	-18	152.0	150.2	38.0	0.0	302.2	1
1O	0	8179	-99	-84	0	-362	6	152.0	97.2	7.1	0.0	249.3	1
1P	0	8179	53	-84	0	-362	-18	152.0	106.5	7.1	0.0	258.5	1
2	0	-4035	-25	205	0	-36	-11	75.0	17.1	17.4	0.0	92.1	1
7	0	-3739	-23	188	0	-38	-11	69.5	18.0	16.0	0.0	87.5	1
8	0	-4966	-26	212	0	4	-10	92.3	8.5	18.0	0.0	100.8	1
1A	55	-12736	-137	308	0	119	-74	236.7	86.3	26.1	0.0	323.0	1
1B	55	-12736	91	308	0	119	37	236.7	57.9	26.1	0.0	294.7	1
1C	55	-12736	-137	56	0	-150	-74	236.7	94.3	5.1	0.0	331.1	1
1D	55	-12736	91	56	0	-150	37	236.7	66.0	4.7	0.0	302.8	1
1E	55	1138	-137	308	0	119	-74	21.1	86.3	26.1	0.0	107.4	1
1F	55	1138	91	308	0	119	37	21.1	57.9	26.1	0.0	79.1	1
1G	55	1138	-137	56	0	-150	-74	21.1	94.3	5.1	0.0	115.5	1
1H	55	1138	91	56	0	-150	37	21.1	66.0	4.7	0.0	87.2	1
1I	55	-19802	-99	448	0	297	-50	368.1	113.9	38.0	0.0	481.9	1
1J	55	-19802	53	448	0	297	12	368.1	85.6	38.0	0.0	453.6	1
1K	55	-19802	-99	-84	0	-329	-50	368.1	122.0	7.1	0.0	490.0	1
1L	55	-19802	53	-84	0	-329	12	368.1	93.6	7.1	0.0	461.7	1
1M	55	8203	-99	448	0	297	-50	152.5	113.9	38.0	0.0	266.3	1
1N	55	8203	53	448	0	297	12	152.5	85.6	38.0	0.0	238.0	1
1O	55	8203	-99	-84	0	-329	-50	152.5	122.0	7.1	0.0	274.4	1
1P	55	8203	53	-84	0	-329	12	152.5	93.6	7.1	0.0	246.1	1
2	55	-4004	-25	205	0	-149	-24	74.4	56.5	17.4	0.0	130.9	1
7	55	-3709	-23	188	0	-142	-24	68.9	54.1	16.0	0.0	123.1	1
8	55	-4936	-26	212	0	-113	-24	91.7	47.4	18.0	0.0	139.2	1
1A	111	-12713	-137	308	0	-15	-151	236.3	116.9	26.1	0.0	353.2	1
1B	111	-12713	91	308	0	-15	88	236.3	69.5	26.1	0.0	305.9	1
1C	111	-12713	-137	56	0	-218	-151	236.3	169.3	5.1	0.0	405.6	1
1D	111	-12713	91	56	0	-218	88	236.3	121.9	4.7	0.0	358.2	1
1E	111	1161	-137	308	0	-15	-151	21.6	116.9	26.1	0.0	138.5	1
1F	111	1161	91	308	0	-15	88	21.6	69.5	26.1	0.0	91.1	1
1G	111	1161	-137	56	0	-218	-151	21.6	169.3	5.1	0.0	190.9	1
1H	111	1161	91	56	0	-218	88	21.6	121.9	4.7	0.0	143.5	1
1I	111	-19778	-99	448	0	63	-105	367.6	95.1	38.0	0.0	462.7	1
1J	111	-19778	53	448	0	63	42	367.6	47.7	38.0	0.0	415.3	1
1K	111	-19778	-99	-84	0	-296	-105	367.6	154.9	7.1	0.0	522.5	1
1L	111	-19778	53	-84	0	-296	42	367.6	107.5	7.1	0.0	475.2	1
1M	111	8226	-99	448	0	63	-105	152.9	95.1	38.0	0.0	248.0	1
1N	111	8226	53	448	0	63	42	152.9	47.7	38.0	0.0	200.6	1
1O	111	8226	-99	-84	0	-296	-105	152.9	154.9	7.1	0.0	307.8	1
1P	111	8226	53	-84	0	-296	42	152.9	107.5	7.1	0.0	260.4	1
2	111	-3974	-25	205	0	-262	-38	73.9	95.9	17.4	0.0	169.8	1
7	111	-3679	-23	188	0	-246	-36	68.4	90.3	16.0	0.0	158.7	1
8	111	-4905	-26	212	0	-231	-39	91.2	88.5	18.0	0.0	179.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12760	145	90	23	23	14	1.03	1.00	349.4	
1B	-12760	145	47	23	23	14	1.03	1.00	317.1	
1C	-12760	164	90	23	23	14	1.03	1.00	354.1	
1D	-12760	164	47	23	23	14	1.03	1.00	321.8	
1E	1161	145	90	23	23	14	1.00	1.00	126.2	
1F	1161	145	47	23	23	14	1.00	1.00	94.1	
1G	1161	164	90	23	23	14	1.00	1.00	130.9	
1H	1161	164	47	23	23	14	1.00	1.00	98.8	
1I	-19825	344	61	23	23	14	1.03	1.00	514.5	
1J	-19825	344	18	23	23	14	1.03	1.00	482.1	
1K	-19825	335	61	23	23	14	1.03	1.00	512.3	
1L	-19825	335	18	23	23	14	1.03	1.00	479.8	
1M	8226	344	61	23	23	14	1.00	1.00	287.1	
1N	8226	344	18	23	23	14	1.00	1.00	255.0	
1O	8226	335	61	23	23	14	1.00	1.00	284.9	
1P	8226	335	18	23	23	14	1.00	1.00	252.7	
2	-4035	172	27	23	23	14	1.03	1.00	141.7	
7	-3739	163	26	23	23	14	1.03	1.00	133.0	
8	-4966	137	27	23	23	14	1.03	1.00	150.8	

ASTA NUM. 276 NI 609 NF 608 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7512	-30	50	0	105	75	139.6	83.5	4.2	0.0	223.2	1	
1B	0	-7512	117	50	0	105	-151	139.6	140.0	4.4	0.0	279.7	1	
1C	0	-7512	-30	-296	0	-293	75	139.6	131.7	25.1	0.0	271.4	1	
1D	0	-7512	117	-296	0	-293	-151	139.6	188.3	25.1	0.0	327.9	1	

1E	0	-3168	-30	50	0	105	75	58.9	83.5	4.2	0.0	142.4	1
1F	0	-3168	117	50	0	105	-151	58.9	140.0	4.4	0.0	198.9	1
1G	0	-3168	-30	-296	0	-293	75	58.9	131.7	25.1	0.0	190.6	1
1H	0	-3168	117	-296	0	-293	-151	58.9	188.3	25.1	0.0	247.1	1
1I	0	-11058	-4	149	0	255	30	205.5	88.5	12.6	0.0	294.0	1
1J	0	-11058	92	149	0	255	-106	205.5	145.0	12.6	0.0	350.5	1
1K	0	-11058	-4	-395	0	-443	30	205.5	136.7	33.5	0.0	342.2	1
1L	0	-11058	92	-395	0	-443	-106	205.5	193.2	33.5	0.0	398.7	1
1M	0	378	-4	149	0	255	30	7.0	88.5	12.6	0.0	95.5	1
1N	0	378	92	149	0	255	-106	7.0	145.0	12.6	0.0	152.0	1
1O	0	378	-4	-395	0	-443	30	7.0	136.7	33.5	0.0	143.7	1
1P	0	378	92	-395	0	-443	-106	7.0	193.2	33.5	0.0	200.2	1
2	0	-5790	51	-279	0	-282	-44	107.6	105.6	23.7	0.0	213.2	1
7	0	-5647	51	-270	0	-267	-43	105.0	101.1	22.9	0.0	206.1	1
8	0	-6073	53	-245	0	-237	-46	112.9	95.0	20.8	0.0	207.9	1
1A	55	-7489	-30	50	0	87	60	139.2	67.0	4.2	0.0	206.2	1
1B	55	-7489	117	50	0	87	-87	139.2	87.2	4.4	0.0	226.4	1
1C	55	-7489	-30	-296	0	-138	60	139.2	80.2	25.1	0.0	219.4	1
1D	55	-7489	117	-296	0	-138	-87	139.2	100.4	25.1	0.0	239.5	1
1E	55	-3144	-30	50	0	87	60	58.4	67.0	4.2	0.0	125.5	1
1F	55	-3144	117	50	0	87	-87	58.4	87.2	4.4	0.0	145.7	1
1G	55	-3144	-30	-296	0	-138	60	58.4	80.2	25.1	0.0	138.6	1
1H	55	-3144	117	-296	0	-138	-87	58.4	100.4	25.1	0.0	158.8	1
1I	55	-11034	-4	149	0	178	29	205.1	67.6	12.6	0.0	272.7	1
1J	55	-11034	92	149	0	178	-56	205.1	87.8	12.6	0.0	292.9	1
1K	55	-11034	-4	-395	0	-229	29	205.1	80.8	33.5	0.0	285.9	1
1L	55	-11034	92	-395	0	-229	-56	205.1	101.0	33.5	0.0	306.1	1
1M	55	401	-4	149	0	178	29	7.5	67.6	12.6	0.0	75.1	1
1N	55	401	92	149	0	178	-56	7.5	87.8	12.6	0.0	95.3	1
1O	55	401	-4	-395	0	-229	29	7.5	80.8	33.5	0.0	88.2	1
1P	55	401	92	-395	0	-229	-56	7.5	101.0	33.5	0.0	108.4	1
2	55	-5760	51	-279	0	-127	-16	107.1	44.5	23.7	0.0	151.6	1
7	55	-5616	51	-270	0	-118	-15	104.4	41.3	22.9	0.0	145.7	1
8	55	-6042	53	-245	0	-101	-16	112.3	38.1	20.8	0.0	150.5	1
1A	111	-7465	-30	50	0	69	44	138.8	50.5	4.2	0.0	189.3	1
1B	111	-7465	117	50	0	69	-22	138.8	34.4	4.4	0.0	173.2	1
1C	111	-7465	-30	-296	0	16	44	138.8	36.9	25.1	0.0	175.6	1
1D	111	-7465	117	-296	0	16	-22	138.8	20.8	25.1	0.0	159.5	1
1E	111	-3121	-30	50	0	69	44	58.0	50.5	4.2	0.0	108.5	1
1F	111	-3121	117	50	0	69	-22	58.0	34.4	4.4	0.0	92.4	1
1G	111	-3121	-30	-296	0	16	44	58.0	36.9	25.1	0.0	94.9	1
1H	111	-3121	117	-296	0	16	-22	58.0	20.8	25.1	0.0	78.8	1
1I	111	-11011	-4	149	0	101	28	204.7	46.8	12.6	0.0	251.5	1
1J	111	-11011	92	149	0	101	-6	204.7	30.7	12.6	0.0	235.4	1
1K	111	-11011	-4	-395	0	-15	28	204.7	24.9	33.5	0.0	229.5	1
1L	111	-11011	92	-395	0	-15	-6	204.7	8.7	33.5	0.0	214.6	3
1M	111	425	-4	149	0	101	28	7.9	46.8	12.6	0.0	54.7	1
1N	111	425	92	149	0	101	-6	7.9	30.7	12.6	0.0	38.6	1
1O	111	425	-4	-395	0	-15	28	7.9	24.9	33.5	0.0	58.6	4
1P	111	425	92	-395	0	-15	-6	7.9	8.7	33.5	0.0	58.6	4
2	111	-5729	51	-279	0	27	13	106.5	16.5	23.7	0.0	123.0	1
7	111	-5586	51	-270	0	32	14	103.8	18.4	22.9	0.0	122.3	1
8	111	-6012	53	-245	0	35	13	111.7	18.7	20.8	0.0	130.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7512	91	63	23	23	14	1.03	1.00	214.3	
1B	-7512	91	99	23	23	14	1.03	1.00	241.9	
1C	-7512	169	63	23	23	14	1.03	1.00	234.5	
1D	-7512	169	99	23	23	14	1.03	1.00	262.1	
1E	-3168	91	63	23	23	14	1.03	1.00	131.1	
1F	-3168	91	99	23	23	14	1.03	1.00	158.6	
1G	-3168	169	63	23	23	14	1.03	1.00	151.2	
1H	-3168	169	99	23	23	14	1.03	1.00	178.7	
1I	-11058	193	29	23	23	14	1.03	1.00	283.7	
1J	-11058	193	66	23	23	14	1.03	1.00	311.3	
1K	-11058	272	29	23	23	14	1.03	1.00	303.9	
1L	-11058	272	66	23	23	14	1.03	1.00	331.5	
1M	425	193	29	23	23	14	1.00	1.00	79.7	
1N	425	193	66	23	23	14	1.00	1.00	107.2	
1O	425	272	29	23	23	14	1.00	1.00	99.9	
1P	425	272	66	23	23	14	1.00	1.00	127.3	
2	-5790	158	21	23	23	14	1.03	1.00	167.7	
7	-5647	148	20	23	23	14	1.03	1.00	161.5	
8	-6073	128	22	23	23	14	1.03	1.00	165.9	

ASTA NUM. 277 NI 608 NF 607 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7236	-46	304	0	160	48	134.5	77.5	25.7	0.0	212.0	1	
1B	0	-7236	139	304	0	160	-32	134.5	65.5	25.7	0.0	200.0	1	
1C	0	-7236	-46	76	0	-33	48	134.5	44.8	6.4	0.0	179.3	1	
1D	0	-7236	139	76	0	-33	-32	134.5	32.9	6.4	0.0	167.4	1	
1E	0	-3182	-46	304	0	160	48	59.1	77.5	25.7	0.0	136.6	1	

1F	0	-3182	139	304	0	160	-32	59.1	65.5	25.7	0.0	124.7	1
1G	0	-3182	-46	76	0	-33	48	59.1	44.8	6.4	0.0	104.0	1
1H	0	-3182	139	76	0	-33	-32	59.1	32.9	6.4	0.0	92.0	1
1I	0	-10358	-8	461	0	276	30	192.5	93.1	39.1	0.0	285.6	1
1J	0	-10358	101	461	0	276	-14	192.5	81.1	39.1	0.0	273.7	1
1K	0	-10358	-8	-82	0	-149	30	192.5	60.5	7.0	0.0	253.0	1
1L	0	-10358	101	-82	0	-149	-14	192.5	48.5	7.0	0.0	241.0	1
1M	0	-60	-8	461	0	276	30	1.1	93.1	39.1	0.0	94.2	1
1N	0	-60	101	461	0	276	-14	1.1	81.1	39.1	0.0	88.6	3
1O	0	-60	-8	-82	0	-149	30	1.1	60.5	7.0	0.0	61.6	1
1P	0	-60	101	-82	0	-149	-14	1.1	48.5	7.0	0.0	49.6	1
2	0	-5802	55	211	0	9	13	107.8	11.7	17.9	0.0	119.6	1
7	0	-5668	55	195	0	11	13	105.4	12.5	16.6	0.0	117.8	1
8	0	-6035	57	220	0	29	12	112.2	16.4	18.6	0.0	128.6	1
1A	55	-7213	-46	304	0	-11	22	134.1	19.7	25.7	0.0	153.8	1
1B	55	-7213	139	304	0	-11	45	134.1	36.6	25.7	0.0	170.6	1
1C	55	-7213	-46	76	0	-72	22	134.1	35.3	6.4	0.0	169.3	1
1D	55	-7213	139	76	0	-72	45	134.1	52.1	6.4	0.0	186.2	1
1E	55	-3158	-46	304	0	-11	22	58.7	19.7	25.7	0.0	78.4	1
1F	55	-3158	139	304	0	-11	45	58.7	36.6	25.7	0.0	95.3	1
1G	55	-3158	-46	76	0	-72	22	58.7	35.3	6.4	0.0	94.0	1
1H	55	-3158	139	76	0	-72	45	58.7	52.1	6.4	0.0	110.8	1
1I	55	-10335	-8	461	0	17	23	192.1	21.6	39.1	0.0	213.7	1
1J	55	-10335	101	461	0	17	45	192.1	37.8	39.1	0.0	229.9	1
1K	55	-10335	-8	-82	0	-100	23	192.1	43.0	7.0	0.0	235.1	1
1L	55	-10335	101	-82	0	-100	45	192.1	59.2	7.0	0.0	251.3	1
1M	55	-36	-8	461	0	17	23	0.7	21.6	39.1	0.0	67.8	4
1N	55	-36	101	461	0	17	45	0.7	37.8	39.1	0.0	67.8	4
1O	55	-36	-8	-82	0	-100	23	0.7	43.0	7.0	0.0	43.6	1
1P	55	-36	101	-82	0	-100	45	0.7	59.2	7.0	0.0	59.8	1
2	55	-5772	55	211	0	-108	43	107.3	60.1	17.9	0.0	167.4	1
7	55	-5638	55	195	0	-97	44	104.8	57.6	16.6	0.0	162.4	1
8	55	-6004	57	220	0	-93	43	111.6	56.4	18.6	0.0	168.0	1
1A	111	-7189	-46	304	0	-183	-3	133.6	49.6	25.7	0.0	183.3	1
1B	111	-7189	139	304	0	-183	122	133.6	138.7	25.7	0.0	272.3	1
1C	111	-7189	-46	76	0	-110	-3	133.6	30.9	6.4	0.0	164.5	1
1D	111	-7189	139	76	0	-110	122	133.6	119.9	6.4	0.0	253.5	1
1E	111	-3135	-46	304	0	-183	-3	58.3	49.6	25.7	0.0	108.0	3
1F	111	-3135	139	304	0	-183	122	58.3	138.7	25.7	0.0	196.9	1
1G	111	-3135	-46	76	0	-110	-3	58.3	30.9	6.4	0.0	89.1	1
1H	111	-3135	139	76	0	-110	122	58.3	119.9	6.4	0.0	178.2	1
1I	111	-10311	-8	461	0	-241	16	191.7	74.0	39.1	0.0	265.7	1
1J	111	-10311	101	461	0	-241	103	191.7	138.9	39.1	0.0	330.6	1
1K	111	-10311	-8	-82	0	-52	16	191.7	25.5	7.0	0.0	217.1	1
1L	111	-10311	101	-82	0	-52	103	191.7	90.3	7.0	0.0	282.0	1
1M	111	-13	-8	461	0	-241	16	0.2	74.0	39.1	0.0	82.1	3
1N	111	-13	101	461	0	-241	103	0.2	138.9	39.1	0.0	139.1	1
1O	111	-13	-8	-82	0	-52	16	0.2	25.5	7.0	0.0	25.7	1
1P	111	-13	101	-82	0	-52	103	0.2	90.3	7.0	0.0	90.6	1
2	111	-5741	55	211	0	-225	74	106.7	113.0	17.9	0.0	219.8	1
7	111	-5607	55	195	0	-205	74	104.2	108.4	16.6	0.0	212.6	1
8	111	-5974	57	220	0	-215	75	111.0	111.2	18.6	0.0	222.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7236	73	28	23	23	14	1.03	1.00	178.2	
1B	-7236	73	60	23	23	14	1.03	1.00	202.8	
1C	-7236	79	28	23	23	14	1.03	1.00	179.8	
1D	-7236	79	60	23	23	14	1.03	1.00	204.4	
1E	-3182	73	28	23	23	14	1.03	1.00	100.5	
1F	-3182	73	60	23	23	14	1.03	1.00	125.1	
1G	-3182	79	28	23	23	14	1.03	1.00	102.1	
1H	-3182	79	60	23	23	14	1.03	1.00	126.7	
1I	-10358	110	24	23	23	14	1.03	1.00	245.0	
1J	-10358	110	56	23	23	14	1.03	1.00	269.0	
1K	-10358	110	24	23	23	14	1.03	1.00	244.9	
1L	-10358	110	56	23	23	14	1.03	1.00	268.9	
1M	-60	110	24	23	23	14	1.03	1.00	47.7	
1N	-60	110	56	23	23	14	1.03	1.00	71.6	
1O	-60	110	24	23	23	14	1.03	1.00	47.6	
1P	-60	110	56	23	23	14	1.03	1.00	71.5	
2	-5802	131	49	23	23	14	1.03	1.00	181.9	
7	-5668	119	50	23	23	14	1.03	1.00	176.4	
8	-6035	117	50	23	23	14	1.03	1.00	183.1	

ASTA NUM. 278 NI 607 NF 606 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7595	-314	118	0	-63	145	141.2	124.9	11.8	0.0	266.1	1	
1B	0	-7595	-53	118	0	-63	0	141.2	16.5	10.0	0.0	157.7	1	
1C	0	-7595	-314	-307	0	-189	145	141.2	157.4	26.0	0.0	298.5	1	
1D	0	-7595	-53	-307	0	-189	0	141.2	48.9	26.0	0.0	190.1	1	
1E	0	-477	-314	118	0	-63	145	8.9	124.9	11.8	0.0	133.8	1	
1F	0	-477	-53	118	0	-63	0	8.9	16.5	10.0	0.0	28.1	3	

1G	0	-477	-314	-307	0	-189	145	8.9	157.4	26.0	0.0	166.2	1
1H	0	-477	-53	-307	0	-189	0	8.9	48.9	26.0	0.0	65.8	3
1I	0	-8131	-292	266	0	-45	124	151.1	104.5	22.6	0.0	255.7	1
1J	0	-8131	-76	266	0	-45	22	151.1	28.0	22.6	0.0	179.1	1
1K	0	-8131	-292	-455	0	-206	124	151.1	145.8	38.5	0.0	297.0	1
1L	0	-8131	-76	-455	0	-206	22	151.1	69.3	38.5	0.0	220.4	1
1M	0	59	-292	266	0	-45	124	1.1	104.5	22.6	0.0	105.6	1
1N	0	59	-76	266	0	-45	22	1.1	28.0	22.6	0.0	39.1	4
1O	0	59	-292	-455	0	-206	124	1.1	145.8	38.5	0.0	146.9	1
1P	0	59	-76	-455	0	-206	22	1.1	69.3	38.5	0.0	76.9	3
2	0	-6660	-240	-330	0	-243	97	123.8	135.2	27.9	0.0	259.0	1
7	0	-6672	-240	-309	0	-226	97	124.0	130.4	26.2	0.0	254.4	1
8	0	-6237	-239	-270	0	-220	96	115.9	128.8	22.9	0.0	244.7	1
1A	55	-7572	-314	118	0	-129	-28	140.7	54.4	11.8	0.0	195.1	1
1B	55	-7572	-53	118	0	-129	-29	140.7	55.0	10.0	0.0	195.8	1
1C	55	-7572	-314	-307	0	-18	-28	140.7	25.7	26.0	0.0	166.4	1
1D	55	-7572	-53	-307	0	-18	-29	140.7	26.3	26.0	0.0	167.0	1
1E	55	-453	-314	118	0	-129	-28	8.4	54.4	11.8	0.0	62.8	1
1F	55	-453	-53	118	0	-129	-29	8.4	55.0	10.0	0.0	63.4	1
1G	55	-453	-314	-307	0	-18	-28	8.4	25.7	26.0	0.0	46.6	3
1H	55	-453	-53	-307	0	-18	-29	8.4	26.3	26.0	0.0	46.0	4
1I	55	-8108	-292	266	0	-196	-37	150.7	78.3	22.6	0.0	229.0	1
1J	55	-8108	-76	266	0	-196	-20	150.7	65.4	22.6	0.0	216.1	1
1K	55	-8108	-292	-455	0	49	-37	150.7	40.5	38.5	0.0	191.2	1
1L	55	-8108	-76	-455	0	49	-20	150.7	27.5	38.5	0.0	178.3	1
1M	55	83	-292	266	0	-196	-37	1.5	78.3	22.6	0.0	79.8	1
1N	55	83	-76	266	0	-196	-20	1.5	65.4	22.6	0.0	66.9	1
1O	55	83	-292	-455	0	49	-37	1.5	40.5	38.5	0.0	66.8	4
1P	55	83	-76	-455	0	49	-20	1.5	27.5	38.5	0.0	66.8	4
2	55	-6630	-240	-330	0	-60	-35	123.2	42.1	27.9	0.0	165.3	1
7	55	-6642	-240	-309	0	-55	-36	123.4	41.2	26.2	0.0	164.6	1
8	55	-6206	-239	-270	0	-71	-36	115.4	45.1	22.9	0.0	160.4	1
1A	111	-7548	-314	118	0	-196	-202	140.3	201.5	11.8	0.0	341.8	1
1B	111	-7548	-53	118	0	-196	-59	140.3	94.3	10.0	0.0	234.6	1
1C	111	-7548	-314	-307	0	153	-202	140.3	190.5	26.0	0.0	330.8	1
1D	111	-7548	-53	-307	0	153	-59	140.3	83.3	26.0	0.0	223.6	1
1E	111	-430	-314	118	0	-196	-202	8.0	201.5	11.8	0.0	209.5	1
1F	111	-430	-53	118	0	-196	-59	8.0	94.3	10.0	0.0	102.3	1
1G	111	-430	-314	-307	0	153	-202	8.0	190.5	26.0	0.0	198.5	1
1H	111	-430	-53	-307	0	153	-59	8.0	83.3	26.0	0.0	91.3	1
1I	111	-8084	-292	266	0	-346	-199	150.3	237.8	22.6	0.0	388.1	1
1J	111	-8084	-76	266	0	-346	-62	150.3	135.4	22.6	0.0	285.6	1
1K	111	-8084	-292	-455	0	304	-199	150.3	226.8	38.5	0.0	377.1	1
1L	111	-8084	-76	-455	0	304	-62	150.3	124.4	38.5	0.0	274.7	1
1M	111	106	-292	266	0	-346	-199	2.0	237.8	22.6	0.0	239.8	1
1N	111	106	-76	266	0	-346	-62	2.0	135.4	22.6	0.0	137.4	1
1O	111	106	-292	-455	0	304	-199	2.0	226.8	38.5	0.0	228.8	1
1P	111	106	-76	-455	0	304	-62	2.0	124.4	38.5	0.0	126.4	1
2	111	-6600	-240	-330	0	122	-168	122.7	157.2	27.9	0.0	279.9	1
7	111	-6611	-240	-309	0	116	-169	122.9	156.4	26.2	0.0	279.3	1
8	111	-6176	-239	-270	0	79	-168	114.8	146.2	22.9	0.0	261.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7595	143	81	23	23	14	1.03	1.00	242.8	
1B	-7595	143	35	23	23	14	1.03	1.00	208.4	
1C	-7595	75	81	23	23	14	1.03	1.00	225.5	
1D	-7595	75	35	23	23	14	1.03	1.00	191.1	
1E	-477	143	81	23	23	14	1.03	1.00	106.3	
1F	-477	143	35	23	23	14	1.03	1.00	72.0	
1G	-477	75	81	23	23	14	1.03	1.00	89.0	
1H	-477	75	35	23	23	14	1.03	1.00	54.7	
1I	-8131	226	79	23	23	14	1.03	1.00	273.6	
1J	-8131	226	28	23	23	14	1.03	1.00	235.2	
1K	-8131	121	79	23	23	14	1.03	1.00	246.7	
1L	-8131	121	28	23	23	14	1.03	1.00	208.3	
1M	106	226	79	23	23	14	1.00	1.00	119.6	
1N	106	226	28	23	23	14	1.00	1.00	81.3	
1O	106	121	79	23	23	14	1.00	1.00	92.7	
1P	106	121	28	23	23	14	1.00	1.00	54.5	
2	-6660	97	67	23	23	14	1.03	1.00	203.0	
7	-6672	90	68	23	23	14	1.03	1.00	201.8	
8	-6237	101	67	23	23	14	1.03	1.00	195.8	

ASTA NUM. 279 NI 606 NF 605 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7766	-293	290	0	96	-56	144.3	66.8	24.6	0.0	211.2	1	
1B	0	-7766	-83	290	0	96	-169	144.3	151.4	24.6	0.0	295.7	1	
1C	0	-7766	-293	38	0	-109	-56	144.3	70.2	11.0	0.0	214.6	1	
1D	0	-7766	-83	38	0	-109	-169	144.3	154.8	3.2	0.0	299.2	1	
1E	0	-82	-293	290	0	96	-56	1.5	66.8	24.6	0.0	68.3	1	
1F	0	-82	-83	290	0	96	-169	1.5	151.4	24.6	0.0	152.9	1	
1G	0	-82	-293	38	0	-109	-56	1.5	70.2	11.0	0.0	71.8	1	

1H	0	-82	-83	38	0	-109	-169	1.5	154.8	3.2	0.0	156.3	1
1I	0	-8504	-287	491	0	193	-57	158.1	91.9	41.6	0.0	249.9	1
1J	0	-8504	-90	491	0	193	-169	158.1	176.2	41.6	0.0	334.3	1
1K	0	-8504	-287	-163	0	-206	-57	158.1	95.3	13.8	0.0	253.4	1
1L	0	-8504	-90	-163	0	-206	-169	158.1	179.7	13.8	0.0	337.7	1
1M	0	656	-287	491	0	193	-57	12.2	91.9	41.6	0.0	104.1	1
1N	0	656	-90	491	0	193	-169	12.2	176.2	41.6	0.0	188.4	1
1O	0	656	-287	-163	0	-206	-57	12.2	95.3	13.8	0.0	107.5	1
1P	0	656	-90	-163	0	-206	-169	12.2	179.7	13.8	0.0	191.8	1
2	0	-6625	-247	246	0	118	-142	123.1	136.4	20.9	0.0	259.5	1
7	0	-6655	-247	196	0	106	-143	123.7	134.3	16.6	0.0	258.0	1
8	0	-6172	-246	233	0	80	-143	114.7	128.0	19.7	0.0	242.7	1
1A	55	-7742	-293	290	0	72	-103	143.9	95.2	24.6	0.0	239.2	1
1B	55	-7742	-83	290	0	72	-331	143.9	266.3	24.6	0.0	410.3	1
1C	55	-7742	-293	38	0	-266	-103	143.9	145.4	11.0	0.0	289.3	1
1D	55	-7742	-83	38	0	-266	-331	143.9	316.5	3.2	0.0	460.4	1
1E	55	-59	-293	290	0	72	-103	1.1	95.2	24.6	0.0	96.3	1
1F	55	-59	-83	290	0	72	-331	1.1	266.3	24.6	0.0	267.4	1
1G	55	-59	-293	38	0	-266	-103	1.1	145.4	11.0	0.0	146.5	1
1H	55	-59	-83	38	0	-266	-331	1.1	316.5	3.2	0.0	317.6	1
1I	55	-8480	-287	491	0	281	-106	157.6	151.8	41.6	0.0	309.5	1
1J	55	-8480	-90	491	0	281	-328	157.6	317.6	41.6	0.0	475.2	1
1K	55	-8480	-287	-163	0	-476	-106	157.6	202.0	13.8	0.0	359.6	1
1L	55	-8480	-90	-163	0	-476	-328	157.6	367.7	13.8	0.0	525.4	1
1M	55	679	-287	491	0	281	-106	12.6	151.8	41.6	0.0	164.5	1
1N	55	679	-90	491	0	281	-328	12.6	317.6	41.6	0.0	330.2	1
1O	55	679	-287	-163	0	-476	-106	12.6	202.0	13.8	0.0	214.6	1
1P	55	679	-90	-163	0	-476	-328	12.6	367.7	13.8	0.0	380.4	1
2	55	-6594	-247	246	0	-19	-278	122.6	213.3	20.9	0.0	335.9	1
7	55	-6624	-247	196	0	-2	-280	123.1	209.8	16.6	0.0	332.9	1
8	55	-6142	-246	233	0	-48	-280	114.2	221.7	19.7	0.0	335.8	1
1A	111	-7719	-293	290	0	48	-149	143.5	123.7	24.6	0.0	267.1	1
1B	111	-7719	-83	290	0	48	-493	143.5	381.3	24.6	0.0	524.8	1
1C	111	-7719	-293	38	0	-424	-149	143.5	220.5	11.0	0.0	364.0	1
1D	111	-7719	-83	38	0	-424	-493	143.5	478.2	3.2	0.0	621.6	1
1E	111	-35	-293	290	0	48	-149	0.7	123.7	24.6	0.0	124.3	1
1F	111	-35	-83	290	0	48	-493	0.7	381.3	24.6	0.0	382.0	1
1G	111	-35	-293	38	0	-424	-149	0.7	220.5	11.0	0.0	221.2	1
1H	111	-35	-83	38	0	-424	-493	0.7	478.2	3.2	0.0	478.8	1
1I	111	-8457	-287	491	0	370	-156	157.2	211.8	41.6	0.0	369.0	1
1J	111	-8457	-90	491	0	370	-486	157.2	459.0	41.6	0.0	616.2	1
1K	111	-8457	-287	-163	0	-746	-156	157.2	308.6	13.8	0.0	465.8	1
1L	111	-8457	-90	-163	0	-746	-486	157.2	555.8	13.8	0.0	713.0	1
1M	111	703	-287	491	0	370	-156	13.1	211.8	41.6	0.0	224.9	1
1N	111	703	-90	491	0	370	-486	13.1	459.0	41.6	0.0	472.0	1
1O	111	703	-287	-163	0	-746	-156	13.1	308.6	13.8	0.0	321.7	1
1P	111	703	-90	-163	0	-746	-486	13.1	555.8	13.8	0.0	568.9	1
2	111	-6564	-247	246	0	-155	-415	122.0	350.7	20.9	0.0	472.7	1
7	111	-6594	-247	196	0	-110	-416	122.6	340.0	16.6	0.0	462.6	1
8	111	-6112	-246	233	0	-177	-416	113.6	356.7	19.7	0.0	470.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7766	76	112	23	23	14	1.03	1.00	252.4	
1B	-7766	76	364	23	23	14	1.03	1.00	441.5	
1C	-7766	298	112	23	23	14	1.03	1.00	309.5	
1D	-7766	298	364	23	23	14	1.03	1.00	498.6	
1E	-82	76	112	23	23	14	1.03	1.00	105.0	
1F	-82	76	364	23	23	14	1.03	1.00	293.4	
1G	-82	298	112	23	23	14	1.03	1.00	162.0	
1H	-82	298	364	23	23	14	1.03	1.00	350.4	
1I	-8504	299	116	23	23	14	1.03	1.00	327.1	
1J	-8504	299	359	23	23	14	1.03	1.00	509.9	
1K	-8504	530	116	23	23	14	1.03	1.00	386.7	
1L	-8504	530	359	23	23	14	1.03	1.00	569.4	
1M	703	299	116	23	23	14	1.00	1.00	176.9	
1N	703	299	359	23	23	14	1.00	1.00	358.9	
1O	703	530	116	23	23	14	1.00	1.00	236.4	
1P	703	530	359	23	23	14	1.00	1.00	418.4	
2	-6625	62	306	23	23	14	1.03	1.00	372.5	
7	-6655	44	307	23	23	14	1.03	1.00	369.3	
8	-6172	74	307	23	23	14	1.03	1.00	367.5	

ASTA NUM. 280 NI 605 NF 957 Lungh. 10.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5160	-13345	2321	0	25	-182	95.9	142.3	500.5	0.0	923.9	3	
1B	0	-5160	4199	2321	0	25	-485	95.9	369.6	196.8	0.0	465.5	1	
1C	0	-5160	-13345	-2336	0	-420	-182	95.9	244.1	500.5	0.0	939.3	3	
1D	0	-5160	4199	-2336	0	-420	-485	95.9	471.4	198.1	0.0	567.3	1	
1E	0	-2552	-13345	2321	0	25	-182	47.4	142.3	500.5	0.0	919.6	3	
1F	0	-2552	4199	2321	0	25	-485	47.4	369.6	196.8	0.0	417.1	1	
1G	0	-2552	-13345	-2336	0	-420	-182	47.4	244.1	500.5	0.0	930.4	3	
1H	0	-2552	4199	-2336	0	-420	-485	47.4	471.4	198.1	0.0	518.8	1	

1I	0	-6354	-9378	4315	0	378	-178	118.1	230.6	365.8	0.0	853.8	3
1J	0	-6354	232	4315	0	378	-489	118.1	462.8	365.8	0.0	646.8	4
1K	0	-6354	-9378	-4330	0	-773	-178	118.1	332.3	367.1	0.0	881.9	3
1L	0	-6354	232	-4330	0	-773	-489	118.1	564.5	367.1	0.0	682.6	1
1M	0	-1358	-9378	4315	0	378	-178	25.2	230.6	365.8	0.0	835.9	3
1N	0	-1358	232	4315	0	378	-489	25.2	462.8	365.8	0.0	634.7	4
1O	0	-1358	-9378	-4330	0	-773	-178	25.2	332.3	367.1	0.0	854.7	3
1P	0	-1358	232	-4330	0	-773	-489	25.2	564.5	367.1	0.0	637.0	4
2	0	-4504	-5602	-467	0	-95	-433	83.7	348.7	210.1	0.0	432.5	1
7	0	-4883	-5751	-327	0	-65	-433	90.8	340.4	215.7	0.0	431.2	1
8	0	-4671	-5685	-308	0	-138	-434	86.8	360.3	213.2	0.0	447.1	1
1A	5	-5158	-13345	2321	0	146	42	95.9	68.7	500.5	0.0	927.0	3
1B	5	-5158	4199	2321	0	146	-1196	95.9	932.9	196.8	0.0	1028.8	1
1C	5	-5158	-13345	-2336	0	-540	42	95.9	170.2	500.5	0.0	944.7	3
1D	5	-5158	4199	-2336	0	-540	-1196	95.9	1034.5	198.1	0.0	1130.3	1
1E	5	-2550	-13345	2321	0	146	42	47.4	68.7	500.5	0.0	921.4	3
1F	5	-2550	4199	2321	0	146	-1196	47.4	932.9	196.8	0.0	980.3	1
1G	5	-2550	-13345	-2336	0	-540	42	47.4	170.2	500.5	0.0	934.5	3
1H	5	-2550	4199	-2336	0	-540	-1196	47.4	1034.5	198.1	0.0	1081.9	1
1I	5	-6352	-9378	4315	0	603	-168	118.1	281.1	365.8	0.0	867.9	3
1J	5	-6352	232	4315	0	603	-986	118.1	893.6	365.8	0.0	1011.6	1
1K	5	-6352	-9378	-4330	0	-998	-168	118.1	382.6	367.1	0.0	900.7	3
1L	5	-6352	232	-4330	0	-998	-986	118.1	995.1	367.1	0.0	1113.2	1
1M	5	-1356	-9378	4315	0	603	-168	25.2	281.1	365.8	0.0	844.7	3
1N	5	-1356	232	4315	0	603	-986	25.2	893.6	365.8	0.0	918.8	1
1O	5	-1356	-9378	-4330	0	-998	-168	25.2	382.6	367.1	0.0	868.6	3
1P	5	-1356	232	-4330	0	-998	-986	25.2	995.1	367.1	0.0	1020.3	1
2	5	-4501	-5602	-467	0	-70	-732	83.7	566.0	210.1	0.0	649.7	1
7	5	-4880	-5751	-327	0	-47	-739	90.7	565.5	215.7	0.0	656.2	1
8	5	-4668	-5685	-308	0	-122	-737	86.8	582.9	213.2	0.0	669.7	1
1A	11	-5156	-13345	2321	0	266	265	95.8	266.9	500.5	0.0	932.2	3
1B	11	-5156	4199	2321	0	266	-1907	95.8	1496.2	196.8	0.0	1592.1	1
1C	11	-5156	-13345	-2336	0	-660	265	95.8	368.2	500.5	0.0	953.0	3
1D	11	-5156	4199	-2336	0	-660	-1907	95.8	1597.6	198.1	0.0	1693.4	1
1E	11	-2548	-13345	2321	0	266	265	47.4	266.9	500.5	0.0	924.9	3
1F	11	-2548	4199	2321	0	266	-1907	47.4	1496.2	196.8	0.0	1543.6	1
1G	11	-2548	-13345	-2336	0	-660	265	47.4	368.2	500.5	0.0	941.2	3
1H	11	-2548	4199	-2336	0	-660	-1907	47.4	1597.6	198.1	0.0	1644.9	1
1I	11	-6350	-9378	4315	0	829	-158	118.0	331.5	365.8	0.0	884.9	3
1J	11	-6350	232	4315	0	829	-1484	118.0	1324.4	365.8	0.0	1442.4	1
1K	11	-6350	-9378	-4330	0	-1223	-158	118.0	432.9	367.1	0.0	922.0	3
1L	11	-6350	232	-4330	0	-1223	-1484	118.0	1425.7	367.1	0.0	1543.7	1
1M	11	-1354	-9378	4315	0	829	-158	25.2	331.5	365.8	0.0	856.5	3
1N	11	-1354	232	4315	0	829	-1484	25.2	1324.4	365.8	0.0	1349.5	1
1O	11	-1354	-9378	-4330	0	-1223	-158	25.2	432.9	367.1	0.0	885.4	3
1P	11	-1354	232	-4330	0	-1223	-1484	25.2	1425.7	367.1	0.0	1450.9	1
2	11	-4498	-5602	-467	0	-45	-1031	83.6	783.3	210.1	0.0	866.9	1
7	11	-4877	-5751	-327	0	-30	-1046	90.7	790.6	215.7	0.0	881.2	1
8	11	-4665	-5685	-308	0	-106	-1040	86.7	805.6	213.2	0.0	892.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5160	170	106	3	3	2	1.00	1.00	219.0	
1B	-5160	170	1339	3	3	2	1.00	1.00	1142.0	
1C	-5160	564	106	3	3	2	1.00	1.00	320.5	
1D	-5160	564	1339	3	3	2	1.00	1.00	1243.5	
1E	-2552	170	106	3	3	2	1.00	1.00	170.5	
1F	-2552	170	1339	3	3	2	1.00	1.00	1093.3	
1G	-2552	564	106	3	3	2	1.00	1.00	272.0	
1H	-2552	564	1339	3	3	2	1.00	1.00	1194.8	
1I	-6354	648	170	3	3	2	1.00	1.00	412.5	
1J	-6354	648	1086	3	3	2	1.00	1.00	1098.4	
1K	-6354	1043	170	3	3	2	1.00	1.00	514.0	
1L	-6354	1043	1086	3	3	2	1.00	1.00	1199.9	
1M	-1358	648	170	3	3	2	1.00	1.00	319.5	
1N	-1358	648	1086	3	3	2	1.00	1.00	1005.1	
1O	-1358	1043	170	3	3	2	1.00	1.00	421.0	
1P	-1358	1043	1086	3	3	2	1.00	1.00	1106.6	
2	-4504	75	792	3	3	2	1.00	1.00	696.0	
7	-4883	51	801	3	3	2	1.00	1.00	703.4	
8	-4671	125	797	3	3	2	1.00	1.00	716.3	

ASTA NUM. 281 NI 529 NF 530 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14765	-21	263	0	238	48	274.4	97.2	22.3	0.0	371.6	1	
1B	0	-14765	44	263	0	238	-59	274.4	105.3	22.3	0.0	379.8	1	
1C	0	-14765	-21	-218	0	-202	48	274.4	87.9	18.4	0.0	362.3	1	
1D	0	-14765	44	-218	0	-202	-59	274.4	96.1	18.4	0.0	370.5	1	
1E	0	12780	-21	263	0	238	48	237.6	97.2	22.3	0.0	334.7	1	
1F	0	12780	44	263	0	238	-59	237.6	105.3	22.3	0.0	342.9	1	
1G	0	12780	-21	-218	0	-202	48	237.6	87.9	18.4	0.0	325.4	1	
1H	0	12780	44	-218	0	-202	-59	237.6	96.1	18.4	0.0	333.6	1	
1I	0	-8924	-34	143	0	165	30	165.9	65.1	12.1	0.0	231.0	1	

1J	0	-8924	57	143	0	165	-41	165.9	73.3	12.1	0.0	239.1	1
1K	0	-8924	-34	-97	0	-129	30	165.9	55.8	8.2	0.0	221.7	1
1L	0	-8924	57	-97	0	-129	-41	165.9	64.0	8.2	0.0	229.9	1
1M	0	6940	-34	143	0	165	30	129.0	65.1	12.1	0.0	194.1	1
1N	0	6940	57	143	0	165	-41	129.0	73.3	12.1	0.0	202.3	1
1O	0	6940	-34	-97	0	-129	30	129.0	55.8	8.2	0.0	184.8	1
1P	0	6940	57	-97	0	-129	-41	129.0	64.0	8.2	0.0	193.0	1
2	0	2128	5	-32	0	-52	4	39.6	16.1	2.7	0.0	55.7	1
7	0	1715	2	-20	0	-43	4	31.9	13.7	1.7	0.0	45.6	1
8	0	1855	4	-32	0	-45	3	34.5	14.0	2.7	0.0	48.5	1
1A	55	-14742	-21	263	0	83	43	274.0	53.4	22.3	0.0	327.4	1
1B	55	-14742	44	263	0	83	-41	274.0	52.1	22.3	0.0	326.1	1
1C	55	-14742	-21	-218	0	-72	43	274.0	50.6	18.4	0.0	324.6	1
1D	55	-14742	44	-218	0	-72	-41	274.0	49.3	18.4	0.0	323.3	1
1E	55	12804	-21	263	0	83	43	238.0	53.4	22.3	0.0	291.4	1
1F	55	12804	44	263	0	83	-41	238.0	52.1	22.3	0.0	290.0	1
1G	55	12804	-21	-218	0	-72	43	238.0	50.6	18.4	0.0	288.6	1
1H	55	12804	44	-218	0	-72	-41	238.0	49.3	18.4	0.0	287.3	1
1I	55	-8901	-34	143	0	103	4	165.4	29.7	12.1	0.0	195.2	1
1J	55	-8901	57	143	0	103	-2	165.4	28.4	12.1	0.0	193.8	1
1K	55	-8901	-34	-97	0	-93	4	165.4	27.0	8.2	0.0	192.4	1
1L	55	-8901	57	-97	0	-93	-2	165.4	25.6	8.2	0.0	191.1	1
1M	55	6963	-34	143	0	103	4	129.4	29.7	12.1	0.0	159.1	1
1N	55	6963	57	143	0	103	-2	129.4	28.4	12.1	0.0	157.8	1
1O	55	6963	-34	-97	0	-93	4	129.4	27.0	8.2	0.0	156.4	1
1P	55	6963	57	-97	0	-93	-2	129.4	25.6	8.2	0.0	155.0	1
2	55	2158	5	-23	0	-37	6	40.1	14.2	1.9	0.0	54.3	1
7	55	1746	2	-14	0	-34	5	32.4	12.1	1.2	0.0	44.6	1
8	55	1886	4	-23	0	-29	5	35.0	11.6	2.0	0.0	46.7	1
1A	111	-14718	-21	263	0	-73	38	273.6	47.1	22.3	0.0	320.7	1
1B	111	-14718	44	263	0	-73	-23	273.6	36.2	22.3	0.0	309.8	1
1C	111	-14718	-21	-218	0	58	38	273.6	43.4	18.4	0.0	316.9	1
1D	111	-14718	44	-218	0	58	-23	273.6	32.5	18.4	0.0	306.1	1
1E	111	12827	-21	263	0	-73	38	238.4	47.1	22.3	0.0	285.5	1
1F	111	12827	44	263	0	-73	-23	238.4	36.2	22.3	0.0	274.7	1
1G	111	12827	-21	-218	0	58	38	238.4	43.4	18.4	0.0	281.8	1
1H	111	12827	44	-218	0	58	-23	238.4	32.5	18.4	0.0	270.9	1
1I	111	-8878	-34	143	0	42	-22	165.0	27.0	12.1	0.0	192.0	1
1J	111	-8878	57	143	0	42	36	165.0	37.9	12.1	0.0	202.9	1
1K	111	-8878	-34	-97	0	-56	-22	165.0	30.8	8.2	0.0	195.8	1
1L	111	-8878	57	-97	0	-56	36	165.0	41.6	8.2	0.0	206.6	1
1M	111	6986	-34	143	0	42	-22	129.9	27.0	12.1	0.0	156.9	1
1N	111	6986	57	143	0	42	36	129.9	37.9	12.1	0.0	167.7	1
1O	111	6986	-34	-97	0	-56	-22	129.9	30.8	8.2	0.0	160.6	1
1P	111	6986	57	-97	0	-56	36	129.9	41.6	8.2	0.0	171.5	1
2	111	2189	5	-13	0	-27	9	40.7	13.5	1.1	0.0	54.2	1
7	111	1776	2	-7	0	-28	6	33.0	11.5	0.6	0.0	44.5	1
8	111	1916	4	-14	0	-19	8	35.6	10.5	1.2	0.0	46.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14765	114	44	23	23	14	1.03	1.00	345.1	
1B	-14765	114	45	23	23	14	1.03	1.00	345.7	
1C	-14765	98	44	23	23	14	1.03	1.00	341.1	
1D	-14765	98	45	23	23	14	1.03	1.00	341.6	
1E	12827	114	44	23	23	14	1.00	1.00	300.6	
1F	12827	114	45	23	23	14	1.00	1.00	301.1	
1G	12827	98	44	23	23	14	1.00	1.00	296.5	
1H	12827	98	45	23	23	14	1.00	1.00	297.1	
1I	-8924	116	12	23	23	14	1.03	1.00	209.7	
1J	-8924	116	16	23	23	14	1.03	1.00	213.0	
1K	-8924	100	12	23	23	14	1.03	1.00	205.7	
1L	-8924	100	16	23	23	14	1.03	1.00	209.0	
1M	6986	116	12	23	23	14	1.00	1.00	168.7	
1N	6986	116	16	23	23	14	1.00	1.00	171.9	
1O	6986	100	12	23	23	14	1.00	1.00	164.6	
1P	6986	100	16	23	23	14	1.00	1.00	167.9	
2	2189	42	7	23	23	14	1.00	1.00	56.5	
7	1776	37	5	23	23	14	1.00	1.00	46.2	
8	1916	34	6	23	23	14	1.00	1.00	48.9	

ASTA NUM. 282 NI 530 NF 531 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9745	-20	216	0	105	42	181.1	58.2	18.3	0.0	239.3	1	
1B	0	-9745	6	216	0	105	-31	181.1	50.5	18.3	0.0	231.6	1	
1C	0	-9745	-20	-235	0	-115	42	181.1	60.7	19.9	0.0	241.8	1	
1D	0	-9745	6	-235	0	-115	-31	181.1	53.0	19.9	0.0	234.1	1	
1E	0	8555	-20	216	0	105	42	159.0	58.2	18.3	0.0	217.2	1	
1F	0	8555	6	216	0	105	-31	159.0	50.5	18.3	0.0	209.5	1	
1G	0	8555	-20	-235	0	-115	42	159.0	60.7	19.9	0.0	219.7	1	
1H	0	8555	6	-235	0	-115	-31	159.0	53.0	19.9	0.0	212.0	1	
1I	0	-5509	-31	79	0	70	29	102.4	39.8	6.7	0.0	142.2	1	
1J	0	-5509	17	79	0	70	-19	102.4	32.0	6.7	0.0	134.4	1	

1K	0	-5509	-31	-97	0	-80	29	102.4	42.3	8.3	0.0	144.7	1
1L	0	-5509	17	-97	0	-80	-19	102.4	34.5	8.3	0.0	137.0	1
1M	0	4320	-31	79	0	70	29	80.3	39.8	6.7	0.0	120.0	1
1N	0	4320	17	79	0	70	-19	80.3	32.0	6.7	0.0	112.3	1
1O	0	4320	-31	-97	0	-80	29	80.3	42.3	8.3	0.0	122.6	1
1P	0	4320	17	-97	0	-80	-19	80.3	34.5	8.3	0.0	114.8	1
2	0	279	2	-87	0	-69	1	5.2	18.7	7.4	0.0	23.9	3
7	0	294	2	-67	0	-59	0	5.5	15.4	5.7	0.0	20.9	3
8	0	69	1	-85	0	-60	1	1.3	15.9	7.2	0.0	18.7	3
1A	55	-9722	-20	216	0	-24	34	180.7	31.5	18.3	0.0	212.2	1
1B	55	-9722	6	216	0	-24	-31	180.7	29.6	18.3	0.0	210.3	1
1C	55	-9722	-20	-235	0	25	34	180.7	31.6	19.9	0.0	212.3	1
1D	55	-9722	6	-235	0	25	-31	180.7	29.7	19.9	0.0	210.4	1
1E	55	8579	-20	216	0	-24	34	159.5	31.5	18.3	0.0	191.0	1
1F	55	8579	6	216	0	-24	-31	159.5	29.6	18.3	0.0	189.1	1
1G	55	8579	-20	-235	0	25	34	159.5	31.6	19.9	0.0	191.1	1
1H	55	8579	6	-235	0	25	-31	159.5	29.7	19.9	0.0	189.1	1
1I	55	-5486	-31	79	0	-6	4	102.0	4.7	6.7	0.0	106.7	1
1J	55	-5486	17	79	0	-6	-2	102.0	2.8	6.7	0.0	104.8	1
1K	55	-5486	-31	-97	0	6	4	102.0	4.8	8.3	0.0	106.8	1
1L	55	-5486	17	-97	0	6	-2	102.0	2.9	8.3	0.0	104.8	1
1M	55	4343	-31	79	0	-6	4	80.7	4.7	6.7	0.0	85.4	1
1N	55	4343	17	79	0	-6	-2	80.7	2.8	6.7	0.0	83.5	1
1O	55	4343	-31	-97	0	6	4	80.7	4.8	8.3	0.0	85.5	1
1P	55	4343	17	-97	0	6	-2	80.7	2.9	8.3	0.0	83.6	1
2	55	309	2	-78	0	-23	2	5.7	7.5	6.6	0.0	15.0	3
7	55	324	2	-61	0	-23	2	6.0	7.2	5.1	0.0	13.9	3
8	55	100	1	-76	0	-16	1	1.9	5.0	6.4	0.0	11.3	4
1A	111	-9698	-20	216	0	-154	26	180.3	59.0	18.3	0.0	239.3	1
1B	111	-9698	6	216	0	-154	-31	180.3	62.9	18.3	0.0	243.2	1
1C	111	-9698	-20	-235	0	164	26	180.3	61.7	19.9	0.0	242.0	1
1D	111	-9698	6	-235	0	164	-31	180.3	65.6	19.9	0.0	245.9	1
1E	111	8602	-20	216	0	-154	26	159.9	59.0	18.3	0.0	218.9	1
1F	111	8602	6	216	0	-154	-31	159.9	62.9	18.3	0.0	222.8	1
1G	111	8602	-20	-235	0	164	26	159.9	61.7	19.9	0.0	221.6	1
1H	111	8602	6	-235	0	164	-31	159.9	65.6	19.9	0.0	225.5	1
1I	111	-5463	-31	79	0	-81	-20	101.5	36.1	6.7	0.0	137.6	1
1J	111	-5463	17	79	0	-81	15	101.5	32.2	6.7	0.0	133.7	1
1K	111	-5463	-31	-97	0	92	-20	101.5	38.8	8.3	0.0	140.3	1
1L	111	-5463	17	-97	0	92	15	101.5	34.9	8.3	0.0	136.4	1
1M	111	4366	-31	79	0	-81	-20	81.2	36.1	6.7	0.0	117.2	1
1N	111	4366	17	79	0	-81	15	81.2	32.2	6.7	0.0	113.3	1
1O	111	4366	-31	-97	0	92	-20	81.2	38.8	8.3	0.0	119.9	1
1P	111	4366	17	-97	0	92	15	81.2	34.9	8.3	0.0	116.0	1
2	111	339	2	-69	0	18	3	6.3	6.9	5.9	0.0	13.8	3
7	111	355	2	-54	0	8	3	6.6	4.2	4.6	0.0	11.1	3
8	111	130	1	-66	0	24	2	2.4	7.6	5.6	0.0	11.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9745	61	35	23	23	14	1.03	1.00	229.0	
1B	-9745	61	31	23	23	14	1.03	1.00	225.9	
1C	-9745	66	35	23	23	14	1.03	1.00	230.1	
1D	-9745	66	31	23	23	14	1.03	1.00	227.0	
1E	8602	61	35	23	23	14	1.00	1.00	202.2	
1F	8602	61	31	23	23	14	1.00	1.00	199.1	
1G	8602	66	35	23	23	14	1.00	1.00	203.2	
1H	8602	66	31	23	23	14	1.00	1.00	200.2	
1I	-5509	33	12	23	23	14	1.03	1.00	122.5	
1J	-5509	33	7	23	23	14	1.03	1.00	119.5	
1K	-5509	37	12	23	23	14	1.03	1.00	123.6	
1L	-5509	37	7	23	23	14	1.03	1.00	120.5	
1M	4366	33	12	23	23	14	1.00	1.00	98.2	
1N	4366	33	7	23	23	14	1.00	1.00	95.1	
1O	4366	37	12	23	23	14	1.00	1.00	99.3	
1P	4366	37	7	23	23	14	1.00	1.00	96.2	
2	339	34	2	23	23	14	1.00	1.00	16.8	
7	355	32	2	23	23	14	1.00	1.00	16.1	
8	130	26	1	23	23	14	1.00	1.00	10.3	

ASTA NUM. 283 NI 531 NF 532 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9795	-10	172	0	136	27	182.1	55.4	14.6	0.0	237.4	1	
1B	0	-9795	15	172	0	136	-32	182.1	58.9	14.6	0.0	241.0	1	
1C	0	-9795	-10	-135	0	-120	27	182.1	51.3	11.5	0.0	233.4	1	
1D	0	-9795	15	-135	0	-120	-32	182.1	54.8	11.5	0.0	236.9	1	
1E	0	8738	-10	172	0	136	27	162.4	55.4	14.6	0.0	217.8	1	
1F	0	8738	15	172	0	136	-32	162.4	58.9	14.6	0.0	221.3	1	
1G	0	8738	-10	-135	0	-120	27	162.4	51.3	11.5	0.0	213.7	1	
1H	0	8738	15	-135	0	-120	-32	162.4	54.8	11.5	0.0	217.3	1	
1I	0	-5430	-23	109	0	97	19	100.9	39.4	9.2	0.0	140.3	1	
1J	0	-5430	28	109	0	97	-24	100.9	42.9	9.2	0.0	143.9	1	
1K	0	-5430	-23	-72	0	-81	19	100.9	35.3	6.1	0.0	136.2	1	

1L	0	-5430	28	-72	0	-81	-24	100.9	38.9	6.1	0.0	139.8	1
1M	0	4372	-23	109	0	97	19	81.3	39.4	9.2	0.0	120.7	1
1N	0	4372	28	109	0	97	-24	81.3	42.9	9.2	0.0	124.2	1
1O	0	4372	-23	-72	0	-81	19	81.3	35.3	6.1	0.0	116.6	1
1P	0	4372	28	-72	0	-81	-24	81.3	38.9	6.1	0.0	120.1	1
2	0	237	-14	-24	0	-11	3	4.4	5.0	2.0	0.0	9.4	1
7	0	279	-12	-17	0	-13	3	5.2	5.6	1.4	0.0	10.8	1
8	0	31	-10	-23	0	-4	2	0.6	2.3	2.0	0.0	3.5	4
1A	55	-9772	-10	172	0	40	26	181.6	29.5	14.6	0.0	211.2	1
1B	55	-9772	15	172	0	40	-28	181.6	30.9	14.6	0.0	212.5	1
1C	55	-9772	-10	-135	0	-44	26	181.6	30.6	11.5	0.0	212.3	1
1D	55	-9772	15	-135	0	-44	-28	181.6	32.0	11.5	0.0	213.6	1
1E	55	8761	-10	172	0	40	26	162.8	29.5	14.6	0.0	192.4	1
1F	55	8761	15	172	0	40	-28	162.8	30.9	14.6	0.0	193.7	1
1G	55	8761	-10	-135	0	-44	26	162.8	30.6	11.5	0.0	193.5	1
1H	55	8761	15	-135	0	-44	-28	162.8	32.0	11.5	0.0	194.9	1
1I	55	-5406	-23	109	0	34	1	100.5	9.1	9.2	0.0	109.6	1
1J	55	-5406	28	109	0	34	-2	100.5	10.5	9.2	0.0	111.0	1
1K	55	-5406	-23	-72	0	-38	1	100.5	10.2	6.1	0.0	110.7	1
1L	55	-5406	28	-72	0	-38	-2	100.5	11.6	6.1	0.0	112.1	1
1M	55	4396	-23	109	0	34	1	81.7	9.1	9.2	0.0	90.8	1
1N	55	4396	28	109	0	34	-2	81.7	10.5	9.2	0.0	92.2	1
1O	55	4396	-23	-72	0	-38	1	81.7	10.2	6.1	0.0	91.9	1
1P	55	4396	28	-72	0	-38	-2	81.7	11.6	6.1	0.0	93.3	1
2	55	267	-14	-15	0	-0	-5	5.0	3.7	1.3	0.0	8.7	1
7	55	310	-12	-10	0	-6	-4	5.8	4.4	0.9	0.0	10.1	1
8	55	62	-10	-14	0	6	-4	1.1	4.5	1.2	0.0	5.7	1
1A	111	-9748	-10	172	0	-56	24	181.2	32.6	14.6	0.0	213.7	1
1B	111	-9748	15	172	0	-56	-23	181.2	31.8	14.6	0.0	213.0	1
1C	111	-9748	-10	-135	0	32	24	181.2	26.3	11.5	0.0	207.4	1
1D	111	-9748	15	-135	0	32	-23	181.2	25.5	11.5	0.0	206.7	1
1E	111	8784	-10	172	0	-56	24	163.3	32.6	14.6	0.0	195.8	1
1F	111	8784	15	172	0	-56	-23	163.3	31.8	14.6	0.0	195.0	1
1G	111	8784	-10	-135	0	32	24	163.3	26.3	11.5	0.0	189.5	1
1H	111	8784	15	-135	0	32	-23	163.3	25.5	11.5	0.0	188.7	1
1I	111	-5383	-23	109	0	-29	-18	100.1	21.2	9.2	0.0	121.3	1
1J	111	-5383	28	109	0	-29	19	100.1	22.0	9.2	0.0	122.0	1
1K	111	-5383	-23	-72	0	5	-18	100.1	14.9	6.1	0.0	115.0	1
1L	111	-5383	28	-72	0	5	19	100.1	15.7	6.1	0.0	115.7	1
1M	111	4419	-23	109	0	-29	-18	82.1	21.2	9.2	0.0	103.3	1
1N	111	4419	28	109	0	-29	19	82.1	22.0	9.2	0.0	104.1	1
1O	111	4419	-23	-72	0	5	-18	82.1	14.9	6.1	0.0	97.0	1
1P	111	4419	28	-72	0	5	19	82.1	15.7	6.1	0.0	97.8	1
2	111	297	-14	-6	0	5	-13	5.5	10.8	0.5	0.0	16.4	1
7	111	340	-12	-4	0	-2	-11	6.3	8.4	0.5	0.0	14.8	1
8	111	92	-10	-5	0	12	-9	1.7	10.1	0.4	0.0	11.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9795	59	26	23	23	14	1.03	1.00	222.3	
1B	-9795	59	29	23	23	14	1.03	1.00	224.2	
1C	-9795	59	26	23	23	14	1.03	1.00	222.4	
1D	-9795	59	29	23	23	14	1.03	1.00	224.2	
1E	8784	59	26	23	23	14	1.00	1.00	198.0	
1F	8784	59	29	23	23	14	1.00	1.00	199.8	
1G	8784	59	26	23	23	14	1.00	1.00	198.0	
1H	8784	59	29	23	23	14	1.00	1.00	199.9	
1I	-5430	46	8	23	23	14	1.03	1.00	121.7	
1J	-5430	46	10	23	23	14	1.03	1.00	123.1	
1K	-5430	47	8	23	23	14	1.03	1.00	121.8	
1L	-5430	47	10	23	23	14	1.03	1.00	123.2	
1M	4419	46	8	23	23	14	1.00	1.00	99.9	
1N	4419	46	10	23	23	14	1.00	1.00	101.3	
1O	4419	47	8	23	23	14	1.00	1.00	99.9	
1P	4419	47	10	23	23	14	1.00	1.00	101.3	
2	297	4	6	23	23	14	1.00	1.00	11.5	
7	340	9	5	23	23	14	1.00	1.00	12.5	
8	92	5	5	23	23	14	1.00	1.00	6.8	

ASTA NUM. 284 NI 532 NF 533 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5039	-8	152	0	77	20	93.7	34.6	12.9	0.0	128.3	1	
1B	0	-5039	3	152	0	77	-16	93.7	31.6	12.9	0.0	125.3	1	
1C	0	-5039	-8	-162	0	-97	20	93.7	39.8	13.7	0.0	133.5	1	
1D	0	-5039	3	-162	0	-97	-16	93.7	36.8	13.7	0.0	130.5	1	
1E	0	4731	-8	152	0	77	20	87.9	34.6	12.9	0.0	122.6	1	
1F	0	4731	3	152	0	77	-16	87.9	31.6	12.9	0.0	119.6	1	
1G	0	4731	-8	-162	0	-97	20	87.9	39.8	13.7	0.0	127.8	1	
1H	0	4731	3	-162	0	-97	-16	87.9	36.8	13.7	0.0	124.8	1	
1I	0	-2281	-14	61	0	27	16	42.4	19.1	5.2	0.0	61.5	1	
1J	0	-2281	9	61	0	27	-12	42.4	16.1	5.2	0.0	58.5	1	
1K	0	-2281	-14	-71	0	-47	16	42.4	24.3	6.0	0.0	66.7	1	
1L	0	-2281	9	-71	0	-47	-12	42.4	21.3	6.0	0.0	63.7	1	

1M	0	1973	-14	61	0	27	16	36.7	19.1	5.2	0.0	55.8	1
1N	0	1973	9	61	0	27	-12	36.7	16.1	5.2	0.0	52.8	1
1O	0	1973	-14	-71	0	-47	16	36.7	24.3	6.0	0.0	61.0	1
1P	0	1973	9	-71	0	-47	-12	36.7	21.3	6.0	0.0	58.0	1
2	0	-527	5	-51	0	-16	-6	9.8	8.6	4.3	0.0	18.4	1
7	0	-382	5	-42	0	-18	-6	7.1	8.9	3.5	0.0	16.0	1
8	0	-664	2	-48	0	-8	-4	12.3	5.0	4.1	0.0	17.4	1
1A	55	-5016	-8	152	0	-7	17	93.2	14.9	12.9	0.0	108.2	1
1B	55	-5016	3	152	0	-7	-16	93.2	13.9	12.9	0.0	107.1	1
1C	55	-5016	-8	-162	0	-7	17	93.2	15.0	13.7	0.0	108.2	1
1D	55	-5016	3	-162	0	-7	-16	93.2	13.9	13.7	0.0	107.1	1
1E	55	4754	-8	152	0	-7	17	88.4	14.9	12.9	0.0	103.3	1
1F	55	4754	3	152	0	-7	-16	88.4	13.9	12.9	0.0	102.2	1
1G	55	4754	-8	-162	0	-7	17	88.4	15.0	13.7	0.0	103.3	1
1H	55	4754	3	-162	0	-7	-16	88.4	13.9	13.7	0.0	102.3	1
1I	55	-2257	-14	61	0	-8	11	42.0	10.7	5.2	0.0	52.6	1
1J	55	-2257	9	61	0	-8	-10	42.0	9.6	5.2	0.0	51.5	1
1K	55	-2257	-14	-71	0	-6	11	42.0	10.1	6.0	0.0	52.1	1
1L	55	-2257	9	-71	0	-6	-10	42.0	9.0	6.0	0.0	51.0	1
1M	55	1996	-14	61	0	-8	11	37.1	10.7	5.2	0.0	47.8	1
1N	55	1996	9	61	0	-8	-10	37.1	9.6	5.2	0.0	46.7	1
1O	55	1996	-14	-71	0	-6	11	37.1	10.1	6.0	0.0	47.2	1
1P	55	1996	9	-71	0	-6	-10	37.1	9.0	6.0	0.0	46.1	1
2	55	-496	5	-42	0	10	-3	9.2	5.0	3.6	0.0	14.2	1
7	55	-351	5	-35	0	3	-3	6.5	2.9	3.0	0.0	9.4	1
8	55	-634	2	-39	0	16	-3	11.8	6.1	3.3	0.0	17.8	1
1A	111	-4992	-8	152	0	-92	15	92.8	35.0	12.9	0.0	127.8	1
1B	111	-4992	3	152	0	-92	-16	92.8	35.8	12.9	0.0	128.6	1
1C	111	-4992	-8	-162	0	83	15	92.8	32.6	13.7	0.0	125.4	1
1D	111	-4992	3	-162	0	83	-16	92.8	33.4	13.7	0.0	126.2	1
1E	111	4778	-8	152	0	-92	15	88.8	35.0	12.9	0.0	123.8	1
1F	111	4778	3	152	0	-92	-16	88.8	35.8	12.9	0.0	124.6	1
1G	111	4778	-8	-162	0	83	15	88.8	32.6	13.7	0.0	121.4	1
1H	111	4778	3	-162	0	83	-16	88.8	33.4	13.7	0.0	122.2	1
1I	111	-2234	-14	61	0	-44	6	41.5	16.2	5.2	0.0	57.7	1
1J	111	-2234	9	61	0	-44	-8	41.5	17.0	5.2	0.0	58.5	1
1K	111	-2234	-14	-71	0	35	6	41.5	13.8	6.0	0.0	55.3	1
1L	111	-2234	9	-71	0	35	-8	41.5	14.6	6.0	0.0	56.1	1
1M	111	2020	-14	61	0	-44	6	37.5	16.2	5.2	0.0	53.7	1
1N	111	2020	9	61	0	-44	-8	37.5	17.0	5.2	0.0	54.5	1
1O	111	2020	-14	-71	0	35	6	37.5	13.8	6.0	0.0	51.3	1
1P	111	2020	9	-71	0	35	-8	37.5	14.6	6.0	0.0	52.1	1
2	111	-466	5	-33	0	31	-0	8.7	8.2	2.8	0.0	16.9	1
7	111	-321	5	-29	0	21	-0	6.0	5.3	2.4	0.0	11.3	3
8	111	-603	2	-30	0	35	-2	11.2	10.1	2.5	0.0	21.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5039	37	18	23	23	14	1.03	1.00	119.4	
1B	-5039	37	16	23	23	14	1.03	1.00	118.0	
1C	-5039	39	18	23	23	14	1.03	1.00	119.9	
1D	-5039	39	16	23	23	14	1.03	1.00	118.5	
1E	4778	37	18	23	23	14	1.00	1.00	111.7	
1F	4778	37	16	23	23	14	1.00	1.00	110.3	
1G	4778	39	18	23	23	14	1.00	1.00	112.2	
1H	4778	39	16	23	23	14	1.00	1.00	110.8	
1I	-2281	18	12	23	23	14	1.03	1.00	57.4	
1J	-2281	18	10	23	23	14	1.03	1.00	56.0	
1K	-2281	19	12	23	23	14	1.03	1.00	57.8	
1L	-2281	19	10	23	23	14	1.03	1.00	56.3	
1M	2020	18	12	23	23	14	1.00	1.00	51.3	
1N	2020	18	10	23	23	14	1.00	1.00	49.8	
1O	2020	19	12	23	23	14	1.00	1.00	51.6	
1P	2020	19	10	23	23	14	1.00	1.00	50.2	
2	-527	12	4	23	23	14	1.03	1.00	16.1	
7	-382	8	3	23	23	14	1.03	1.00	11.9	
8	-664	18	3	23	23	14	1.03	1.00	19.4	

ASTA NUM. 285 NI 533 NF 534 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5112	-26	83	0	46	6	95.0	16.7	7.0	0.0	111.7	1	
1B	0	-5112	9	83	0	46	-1	95.0	12.4	7.0	0.0	107.4	1	
1C	0	-5112	-26	-58	0	-51	6	95.0	18.0	4.9	0.0	113.0	1	
1D	0	-5112	9	-58	0	-51	-1	95.0	13.7	4.9	0.0	108.8	1	
1E	0	4931	-26	83	0	46	6	91.7	16.7	7.0	0.0	108.3	1	
1F	0	4931	9	83	0	46	-1	91.7	12.4	7.0	0.0	104.1	1	
1G	0	4931	-26	-58	0	-51	6	91.7	18.0	4.9	0.0	109.6	1	
1H	0	4931	9	-58	0	-51	-1	91.7	13.7	4.9	0.0	105.4	1	
1I	0	-2235	-17	64	0	24	7	41.5	11.5	5.4	0.0	53.0	1	
1J	0	-2235	1	64	0	24	-1	41.5	7.2	5.4	0.0	48.8	1	
1K	0	-2235	-17	-39	0	-29	7	41.5	12.8	3.3	0.0	54.3	1	
1L	0	-2235	1	-39	0	-29	-1	41.5	8.5	3.3	0.0	50.1	1	
1M	0	2054	-17	64	0	24	7	38.2	11.5	5.4	0.0	49.6	1	

1N	0	2054	1	64	0	24	-1	38.2	7.2	5.4	0.0	45.4	1
1O	0	2054	-17	-39	0	-29	7	38.2	12.8	3.3	0.0	51.0	1
1P	0	2054	1	-39	0	-29	-1	38.2	8.5	3.3	0.0	46.7	1
2	0	-500	-43	-1	0	20	12	9.3	13.8	1.6	0.0	23.1	1
7	0	-348	-33	-1	0	11	9	6.5	9.6	1.2	0.0	16.0	1
8	0	-632	-33	-0	0	25	9	11.7	13.2	1.2	0.0	24.9	1
1A	55	-5088	-26	83	0	-1	10	94.6	7.8	7.0	0.0	102.4	1
1B	55	-5088	9	83	0	-1	-13	94.6	10.3	7.0	0.0	104.8	1
1C	55	-5088	-26	-58	0	-18	10	94.6	12.3	4.9	0.0	106.8	1
1D	55	-5088	9	-58	0	-18	-13	94.6	14.7	4.9	0.0	109.3	1
1E	55	4955	-26	83	0	-1	10	92.1	7.8	7.0	0.0	99.9	1
1F	55	4955	9	83	0	-1	-13	92.1	10.3	7.0	0.0	102.3	1
1G	55	4955	-26	-58	0	-18	10	92.1	12.3	4.9	0.0	104.4	1
1H	55	4955	9	-58	0	-18	-13	92.1	14.7	4.9	0.0	106.8	1
1I	55	-2212	-17	64	0	-14	-3	41.1	6.1	5.4	0.0	47.2	1
1J	55	-2212	1	64	0	-14	0	41.1	3.7	5.4	0.0	45.1	3
1K	55	-2212	-17	-39	0	-5	-3	41.1	3.8	3.3	0.0	44.9	1
1L	55	-2212	1	-39	0	-5	0	41.1	1.3	3.3	0.0	42.6	3
1M	55	2078	-17	64	0	-14	-3	38.6	6.1	5.4	0.0	44.8	1
1N	55	2078	1	64	0	-14	0	38.6	3.7	5.4	0.0	42.7	3
1O	55	2078	-17	-39	0	-5	-3	38.6	3.8	3.3	0.0	42.4	1
1P	55	2078	1	-39	0	-5	0	38.6	1.3	3.3	0.0	40.1	3
2	55	-469	-43	8	0	18	-12	8.7	13.4	1.6	0.0	22.1	1
7	55	-318	-33	5	0	10	-9	5.9	9.5	1.2	0.0	15.4	1
8	55	-601	-33	9	0	23	-9	11.2	12.8	1.2	0.0	24.0	1
1A	111	-5065	-26	83	0	-48	14	94.1	22.7	7.0	0.0	116.8	1
1B	111	-5065	9	83	0	-48	-26	94.1	31.9	7.0	0.0	126.0	1
1C	111	-5065	-26	-58	0	15	14	94.1	14.3	4.9	0.0	108.4	1
1D	111	-5065	9	-58	0	15	-26	94.1	23.4	4.9	0.0	117.6	1
1E	111	4978	-26	83	0	-48	14	92.5	22.7	7.0	0.0	115.2	1
1F	111	4978	9	83	0	-48	-26	92.5	31.9	7.0	0.0	124.4	1
1G	111	4978	-26	-58	0	15	14	92.5	14.3	4.9	0.0	106.8	1
1H	111	4978	9	-58	0	15	-26	92.5	23.4	4.9	0.0	116.0	1
1I	111	-2188	-17	64	0	-52	-14	40.7	23.7	5.4	0.0	64.4	1
1J	111	-2188	1	64	0	-52	1	40.7	14.6	5.4	0.0	55.2	1
1K	111	-2188	-17	-39	0	20	-14	40.7	15.3	3.3	0.0	56.0	1
1L	111	-2188	1	-39	0	20	1	40.7	6.1	3.3	0.0	46.8	1
1M	111	2101	-17	64	0	-52	-14	39.1	23.7	5.4	0.0	62.8	1
1N	111	2101	1	64	0	-52	1	39.1	14.6	5.4	0.0	53.6	1
1O	111	2101	-17	-39	0	20	-14	39.1	15.3	3.3	0.0	54.4	1
1P	111	2101	1	-39	0	20	1	39.1	6.1	3.3	0.0	45.2	1
2	111	-439	-43	17	0	10	-36	8.2	29.3	1.6	0.0	37.4	1
7	111	-287	-33	12	0	5	-27	5.3	21.9	1.2	0.0	27.2	1
8	111	-571	-33	18	0	15	-28	10.6	24.7	1.5	0.0	35.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5112	19	11	23	23	14	1.03	1.00	110.9	
1B	-5112	19	16	23	23	14	1.03	1.00	114.8	
1C	-5112	25	11	23	23	14	1.03	1.00	112.4	
1D	-5112	25	16	23	23	14	1.03	1.00	116.2	
1E	4978	19	11	23	23	14	1.00	1.00	105.6	
1F	4978	19	16	23	23	14	1.00	1.00	109.4	
1G	4978	25	11	23	23	14	1.00	1.00	107.1	
1H	4978	25	16	23	23	14	1.00	1.00	110.9	
1I	-2235	22	5	23	23	14	1.03	1.00	52.5	
1J	-2235	22	1	23	23	14	1.03	1.00	48.8	
1K	-2235	12	5	23	23	14	1.03	1.00	49.9	
1L	-2235	12	1	23	23	14	1.03	1.00	46.3	
1M	2101	22	5	23	23	14	1.00	1.00	48.7	
1N	2101	22	1	23	23	14	1.00	1.00	45.1	
1O	2101	12	5	23	23	14	1.00	1.00	46.2	
1P	2101	12	1	23	23	14	1.00	1.00	42.5	
2	-500	16	17	23	23	14	1.03	1.00	26.1	
7	-348	9	13	23	23	14	1.03	1.00	18.6	
8	-632	21	13	23	23	14	1.03	1.00	27.3	

ASTA NUM. 286 NI 534 NF 535 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1706	1	108	0	60	4	31.7	18.1	9.2	0.0	49.9	1	
1B	0	-1706	8	108	0	60	-8	31.7	21.3	9.2	0.0	53.0	1	
1C	0	-1706	1	-103	0	-90	4	31.7	25.8	8.7	0.0	57.5	1	
1D	0	-1706	8	-103	0	-90	-8	31.7	28.9	8.7	0.0	60.6	1	
1E	0	2018	1	108	0	60	4	37.5	18.1	9.2	0.0	55.7	1	
1F	0	2018	8	108	0	60	-8	37.5	21.3	9.2	0.0	58.8	1	
1G	0	2018	1	-103	0	-90	4	37.5	25.8	8.7	0.0	63.3	1	
1H	0	2018	8	-103	0	-90	-8	37.5	28.9	8.7	0.0	66.4	1	
1I	0	-1320	1	60	0	28	7	24.5	12.7	5.1	0.0	37.2	1	
1J	0	-1320	8	60	0	28	-11	24.5	15.8	5.1	0.0	40.4	1	
1K	0	-1320	1	-54	0	-58	7	24.5	20.4	4.6	0.0	44.9	1	
1L	0	-1320	8	-54	0	-58	-11	24.5	23.5	4.6	0.0	48.0	1	
1M	0	1632	1	60	0	28	7	30.3	12.7	5.1	0.0	43.0	1	
1N	0	1632	8	60	0	28	-11	30.3	15.8	5.1	0.0	46.2	1	

1O	0	1632	1	-54	0	-58	7	30.3	20.4	4.6	0.0	50.7	1
1P	0	1632	8	-54	0	-58	-11	30.3	23.5	4.6	0.0	53.8	1
2	0	-564	19	-7	0	9	-17	10.5	15.2	0.7	0.0	25.7	1
7	0	-528	16	-10	0	3	-15	9.8	12.0	0.8	0.0	21.8	1
8	0	-587	13	-4	0	15	-12	10.9	12.7	0.5	0.0	23.6	1
1A	55	-1683	1	108	0	-7	5	31.3	5.5	9.2	0.0	36.8	1
1B	55	-1683	8	108	0	-7	-4	31.3	4.8	9.2	0.0	36.1	1
1C	55	-1683	1	-103	0	-26	5	31.3	10.3	8.7	0.0	41.6	1
1D	55	-1683	8	-103	0	-26	-4	31.3	9.6	8.7	0.0	40.9	1
1E	55	2042	1	108	0	-7	5	38.0	5.5	9.2	0.0	43.5	1
1F	55	2042	8	108	0	-7	-4	38.0	4.8	9.2	0.0	42.8	1
1G	55	2042	1	-103	0	-26	5	38.0	10.3	8.7	0.0	48.3	1
1H	55	2042	8	-103	0	-26	-4	38.0	9.6	8.7	0.0	47.6	1
1I	55	-1297	1	60	0	38	8	24.1	16.0	5.1	0.0	40.1	1
1J	55	-1297	8	60	0	38	-7	24.1	15.3	5.1	0.0	39.4	1
1K	55	-1297	1	-54	0	-71	8	24.1	24.4	4.6	0.0	48.5	1
1L	55	-1297	8	-54	0	-71	-7	24.1	23.8	4.6	0.0	47.9	1
1M	55	1655	1	60	0	38	8	30.8	16.0	5.1	0.0	46.8	1
1N	55	1655	8	60	0	38	-7	30.8	15.3	5.1	0.0	46.1	1
1O	55	1655	1	-54	0	-71	8	30.8	24.4	4.6	0.0	55.2	1
1P	55	1655	8	-54	0	-71	-7	30.8	23.8	4.6	0.0	54.5	1
2	55	-533	19	2	0	10	-7	9.9	7.7	0.7	0.0	17.6	1
7	55	-497	16	-4	0	7	-6	9.2	6.4	0.6	0.0	15.6	1
8	55	-557	13	5	0	15	-5	10.4	7.2	0.5	0.0	17.5	1
1A	111	-1660	1	108	0	-74	6	30.8	23.9	9.2	0.0	54.7	1
1B	111	-1660	8	108	0	-74	-0	30.8	19.4	9.2	0.0	50.2	1
1C	111	-1660	1	-103	0	39	6	30.8	14.6	8.7	0.0	45.5	1
1D	111	-1660	8	-103	0	39	-0	30.8	10.1	8.7	0.0	41.9	3
1E	111	2065	1	108	0	-74	6	38.4	23.9	9.2	0.0	62.2	1
1F	111	2065	8	108	0	-74	-0	38.4	19.4	9.2	0.0	57.8	1
1G	111	2065	1	-103	0	39	6	38.4	14.6	8.7	0.0	53.0	1
1H	111	2065	8	-103	0	39	-0	38.4	10.1	8.7	0.0	49.1	3
1I	111	-1273	1	60	0	47	10	23.7	19.3	5.1	0.0	43.0	1
1J	111	-1273	8	60	0	47	-4	23.7	14.8	5.1	0.0	38.5	1
1K	111	-1273	1	-54	0	-83	10	23.7	28.5	4.6	0.0	52.2	1
1L	111	-1273	8	-54	0	-83	-4	23.7	24.0	4.6	0.0	47.7	1
1M	111	1679	1	60	0	47	10	31.2	19.3	5.1	0.0	50.5	1
1N	111	1679	8	60	0	47	-4	31.2	14.8	5.1	0.0	46.0	1
1O	111	1679	1	-54	0	-83	10	31.2	28.5	4.6	0.0	59.7	1
1P	111	1679	8	-54	0	-83	-4	31.2	24.0	4.6	0.0	55.2	1
2	111	-503	19	11	0	7	4	9.3	4.5	1.0	0.0	13.9	1
7	111	-467	16	3	0	7	3	8.7	4.0	0.6	0.0	12.7	1
8	111	-527	13	14	0	9	3	9.8	4.4	1.2	0.0	14.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1706	30	5	23	23	14	1.03	1.00	44.2	
1B	-1706	30	5	23	23	14	1.03	1.00	43.9	
1C	-1706	39	5	23	23	14	1.03	1.00	46.5	
1D	-1706	39	5	23	23	14	1.03	1.00	46.2	
1E	2065	30	5	23	23	14	1.00	1.00	49.9	
1F	2065	30	5	23	23	14	1.00	1.00	49.6	
1G	2065	39	5	23	23	14	1.00	1.00	52.2	
1H	2065	39	5	23	23	14	1.00	1.00	51.9	
1I	-1320	40	9	23	23	14	1.03	1.00	41.9	
1J	-1320	40	8	23	23	14	1.03	1.00	41.7	
1K	-1320	73	9	23	23	14	1.03	1.00	50.5	
1L	-1320	73	8	23	23	14	1.03	1.00	50.3	
1M	1679	40	9	23	23	14	1.00	1.00	47.9	
1N	1679	40	8	23	23	14	1.00	1.00	47.6	
1O	1679	73	9	23	23	14	1.00	1.00	56.5	
1P	1679	73	8	23	23	14	1.00	1.00	56.2	
2	-564	8	9	23	23	14	1.03	1.00	19.5	
7	-528	6	8	23	23	14	1.03	1.00	17.4	
8	-587	13	6	23	23	14	1.03	1.00	19.0	

ASTA NUM. 287 NI 535 NF 536 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1831	-7	35	0	7	21	34.0	17.2	3.0	0.0	51.2	1	
1B	0	-1831	6	35	0	7	-14	34.0	12.3	3.0	0.0	46.4	1	
1C	0	-1831	-7	-39	0	-44	21	34.0	26.7	3.3	0.0	60.8	1	
1D	0	-1831	6	-39	0	-44	-14	34.0	21.9	3.3	0.0	55.9	1	
1E	0	2250	-7	35	0	7	21	41.8	17.2	3.0	0.0	59.0	1	
1F	0	2250	6	35	0	7	-14	41.8	12.3	3.0	0.0	54.2	1	
1G	0	2250	-7	-39	0	-44	21	41.8	26.7	3.3	0.0	68.6	1	
1H	0	2250	6	-39	0	-44	-14	41.8	21.9	3.3	0.0	63.7	1	
1I	0	-1341	-5	58	0	33	19	24.9	22.8	4.9	0.0	47.7	1	
1J	0	-1341	4	58	0	33	-13	24.9	18.0	4.9	0.0	42.9	1	
1K	0	-1341	-5	-62	0	-70	19	24.9	32.4	5.2	0.0	57.3	1	
1L	0	-1341	4	-62	0	-70	-13	24.9	27.5	5.2	0.0	52.5	1	
1M	0	1760	-5	58	0	33	19	32.7	22.8	4.9	0.0	55.5	1	
1N	0	1760	4	58	0	33	-13	32.7	18.0	4.9	0.0	50.7	1	
1O	0	1760	-5	-62	0	-70	19	32.7	32.4	5.2	0.0	65.1	1	

1P	0	1760	4	-62	0	-70	-13	32.7	27.5	5.2	0.0	60.3	1
2	0	-486	-15	-24	0	8	10	9.0	9.2	2.1	0.0	18.3	1
7	0	-459	-11	-28	0	7	6	8.5	6.0	2.4	0.0	14.5	1
8	0	-503	-10	-12	0	12	8	9.3	8.9	1.0	0.0	18.3	1
1A	55	-1807	-7	35	0	22	23	33.6	23.2	3.0	0.0	56.8	1
1B	55	-1807	6	35	0	22	-17	33.6	18.7	3.0	0.0	52.3	1
1C	55	-1807	-7	-39	0	-57	23	33.6	32.2	3.3	0.0	65.8	1
1D	55	-1807	6	-39	0	-57	-17	33.6	27.7	3.3	0.0	61.3	1
1E	55	2273	-7	35	0	22	23	42.3	23.2	3.0	0.0	65.4	1
1F	55	2273	6	35	0	22	-17	42.3	18.7	3.0	0.0	60.9	1
1G	55	2273	-7	-39	0	-57	23	42.3	32.2	3.3	0.0	74.5	1
1H	55	2273	6	-39	0	-57	-17	42.3	27.7	3.3	0.0	70.0	1
1I	55	-1317	-5	58	0	65	20	24.5	31.3	4.9	0.0	55.8	1
1J	55	-1317	4	58	0	65	-13	24.5	26.8	4.9	0.0	51.2	1
1K	55	-1317	-5	-62	0	-100	20	24.5	40.3	5.2	0.0	64.8	1
1L	55	-1317	4	-62	0	-100	-13	24.5	35.8	5.2	0.0	60.3	1
1M	55	1783	-5	58	0	65	20	33.1	31.3	4.9	0.0	64.4	1
1N	55	1783	4	58	0	65	-13	33.1	26.8	4.9	0.0	59.9	1
1O	55	1783	-5	-62	0	-100	20	33.1	40.3	5.2	0.0	73.5	1
1P	55	1783	4	-62	0	-100	-13	33.1	35.8	5.2	0.0	69.0	1
2	55	-456	-15	-15	0	19	1	8.5	5.7	1.3	0.0	14.2	1
7	55	-428	-11	-22	0	21	-0	8.0	5.6	1.9	0.0	13.5	1
8	55	-472	-10	-3	0	17	2	8.8	6.0	0.4	0.0	14.8	1
1A	111	-1784	-7	35	0	38	26	33.2	29.2	3.0	0.0	62.4	1
1B	111	-1784	6	35	0	38	-20	33.2	25.0	3.0	0.0	58.1	1
1C	111	-1784	-7	-39	0	-71	26	33.2	37.7	3.3	0.0	70.9	1
1D	111	-1784	6	-39	0	-71	-20	33.2	33.5	3.3	0.0	66.7	1
1E	111	2296	-7	35	0	38	26	42.7	29.2	3.0	0.0	71.9	1
1F	111	2296	6	35	0	38	-20	42.7	25.0	3.0	0.0	67.7	1
1G	111	2296	-7	-39	0	-71	26	42.7	37.7	3.3	0.0	80.4	1
1H	111	2296	6	-39	0	-71	-20	42.7	33.5	3.3	0.0	76.2	1
1I	111	-1294	-5	58	0	96	20	24.1	39.8	4.9	0.0	63.8	1
1J	111	-1294	4	58	0	96	-14	24.1	35.5	4.9	0.0	59.6	1
1K	111	-1294	-5	-62	0	-130	20	24.1	48.3	5.2	0.0	72.4	1
1L	111	-1294	4	-62	0	-130	-14	24.1	44.1	5.2	0.0	68.1	1
1M	111	1806	-5	58	0	96	20	33.6	39.8	4.9	0.0	73.4	1
1N	111	1806	4	58	0	96	-14	33.6	35.5	4.9	0.0	69.1	1
1O	111	1806	-5	-62	0	-130	20	33.6	48.3	5.2	0.0	81.9	1
1P	111	1806	4	-62	0	-130	-14	33.6	44.1	5.2	0.0	77.7	1
2	111	-426	-15	-6	0	25	-7	7.9	12.0	0.6	0.0	19.9	1
7	111	-398	-11	-15	0	31	-6	7.4	12.8	1.3	0.0	20.2	1
8	111	-442	-10	6	0	16	-3	8.2	6.4	0.5	0.0	14.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1831	25	24	23	23	14	1.03	1.00	59.5	
1B	-1831	25	18	23	23	14	1.03	1.00	55.0	
1C	-1831	60	24	23	23	14	1.03	1.00	68.4	
1D	-1831	60	18	23	23	14	1.03	1.00	63.9	
1E	2296	25	24	23	23	14	1.00	1.00	67.1	
1F	2296	25	18	23	23	14	1.00	1.00	62.6	
1G	2296	60	24	23	23	14	1.00	1.00	76.0	
1H	2296	60	18	23	23	14	1.00	1.00	71.6	
1I	-1341	71	20	23	23	14	1.03	1.00	58.7	
1J	-1341	71	14	23	23	14	1.03	1.00	54.2	
1K	-1341	106	20	23	23	14	1.03	1.00	67.6	
1L	-1341	106	14	23	23	14	1.03	1.00	63.1	
1M	1806	71	20	23	23	14	1.00	1.00	66.6	
1N	1806	71	14	23	23	14	1.00	1.00	62.1	
1O	1806	106	20	23	23	14	1.00	1.00	75.5	
1P	1806	106	14	23	23	14	1.00	1.00	71.0	
2	-486	18	4	23	23	14	1.03	1.00	16.9	
7	-459	21	3	23	23	14	1.03	1.00	16.2	
8	-503	14	3	23	23	14	1.03	1.00	15.9	

ASTA NUM. 288 NI 536 NF 537 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-635	5	174	0	53	-9	11.8	20.3	14.8	0.0	33.2	3	
1B	0	-635	17	174	0	53	-15	11.8	24.6	14.8	0.0	36.4	1	
1C	0	-635	5	-258	0	-96	-9	11.8	31.3	21.9	0.0	47.9	3	
1D	0	-635	17	-258	0	-96	-15	11.8	35.6	21.9	0.0	48.0	3	
1E	0	550	5	174	0	53	-9	10.2	20.3	14.8	0.0	32.1	3	
1F	0	550	17	174	0	53	-15	10.2	24.6	14.8	0.0	34.8	1	
1G	0	550	5	-258	0	-96	-9	10.2	31.3	21.9	0.0	46.8	3	
1H	0	550	17	-258	0	-96	-15	10.2	35.6	21.9	0.0	46.9	3	
1I	0	-673	5	211	0	119	-6	12.5	35.5	17.9	0.0	48.5	3	
1J	0	-673	17	211	0	119	-17	12.5	43.3	17.9	0.0	55.8	1	
1K	0	-673	5	-295	0	-162	-6	12.5	46.5	25.0	0.0	62.9	3	
1L	0	-673	17	-295	0	-162	-17	12.5	54.3	25.0	0.0	66.8	1	
1M	0	588	5	211	0	119	-6	10.9	35.5	17.9	0.0	47.2	3	
1N	0	588	17	211	0	119	-17	10.9	43.3	17.9	0.0	54.2	1	
1O	0	588	5	-295	0	-162	-6	10.9	46.5	25.0	0.0	61.7	3	
1P	0	588	17	-295	0	-162	-17	10.9	54.3	25.0	0.0	65.2	1	

2	0	-514	40	38	0	38	-42	9.5	41.1	3.2	0.0	50.7	1
7	0	-461	33	47	0	42	-34	8.6	36.5	4.0	0.0	45.1	1
8	0	-440	32	27	0	27	-34	8.2	32.2	2.3	0.0	40.4	1
1A	55	-612	5	174	0	-44	-7	11.4	16.3	14.8	0.0	31.4	3
1B	55	-612	17	174	0	-44	-4	11.4	14.8	14.8	0.0	31.4	3
1C	55	-612	5	-258	0	48	-7	11.4	17.2	21.9	0.0	40.5	3
1D	55	-612	17	-258	0	48	-4	11.4	15.7	21.9	0.0	40.4	3
1E	55	573	5	174	0	-44	-7	10.7	16.3	14.8	0.0	30.9	3
1F	55	573	17	174	0	-44	-4	10.7	14.8	14.8	0.0	30.9	3
1G	55	573	5	-258	0	48	-7	10.7	17.2	21.9	0.0	40.1	3
1H	55	573	17	-258	0	48	-4	10.7	15.7	21.9	0.0	40.1	3
1I	55	-650	5	211	0	2	-4	12.1	3.4	17.9	0.0	33.2	4
1J	55	-650	17	211	0	2	-7	12.1	6.0	17.9	0.0	33.3	4
1K	55	-650	5	-295	0	1	-4	12.1	3.2	25.0	0.0	44.9	4
1L	55	-650	17	-295	0	1	-7	12.1	5.8	25.0	0.0	45.0	4
1M	55	611	5	211	0	2	-4	11.4	3.4	17.9	0.0	33.0	4
1N	55	611	17	211	0	2	-7	11.4	6.0	17.9	0.0	33.0	4
1O	55	611	5	-295	0	1	-4	11.4	3.2	25.0	0.0	44.8	4
1P	55	611	17	-295	0	1	-7	11.4	5.8	25.0	0.0	44.8	4
2	55	-483	40	47	0	14	-20	9.0	18.5	4.0	0.0	27.5	1
7	55	-431	33	53	0	14	-16	8.0	15.8	4.5	0.0	23.8	1
8	55	-409	32	36	0	10	-16	7.6	14.4	3.1	0.0	22.0	1
1A	111	-589	5	174	0	-142	-4	10.9	39.7	14.8	0.0	50.6	1
1B	111	-589	17	174	0	-142	6	10.9	40.7	14.8	0.0	51.7	1
1C	111	-589	5	-258	0	192	-4	10.9	52.6	21.9	0.0	64.7	3
1D	111	-589	17	-258	0	192	6	10.9	53.6	21.9	0.0	64.7	3
1E	111	597	5	174	0	-142	-4	11.1	39.7	14.8	0.0	50.8	1
1F	111	597	17	174	0	-142	6	11.1	40.7	14.8	0.0	51.8	1
1G	111	597	5	-258	0	192	-4	11.1	52.6	21.9	0.0	64.8	3
1H	111	597	17	-258	0	192	6	11.1	53.6	21.9	0.0	64.8	3
1I	111	-626	5	211	0	-115	-1	11.6	30.3	17.9	0.0	46.9	3
1J	111	-626	17	211	0	-115	2	11.6	31.3	17.9	0.0	46.9	3
1K	111	-626	5	-295	0	165	-1	11.6	43.2	25.0	0.0	62.7	3
1L	111	-626	17	-295	0	165	2	11.6	44.2	25.0	0.0	62.7	3
1M	111	634	5	211	0	-115	-1	11.8	30.3	17.9	0.0	47.0	3
1N	111	634	17	211	0	-115	2	11.8	31.3	17.9	0.0	47.0	3
1O	111	634	5	-295	0	165	-1	11.8	43.2	25.0	0.0	62.8	3
1P	111	634	17	-295	0	165	2	11.8	44.2	25.0	0.0	62.8	3
2	111	-453	40	56	0	-14	2	8.4	5.4	4.8	0.0	14.1	3
7	111	-400	33	60	0	-17	2	7.4	5.9	5.1	0.0	14.0	3
8	111	-379	32	45	0	-13	2	7.0	4.6	3.8	0.0	11.8	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-635	64	7	23	23	14	1.03	1.00	33.8	
1B	-635	64	7	23	23	14	1.03	1.00	33.5	
1C	-635	77	7	23	23	14	1.03	1.00	37.2	
1D	-635	77	7	23	23	14	1.03	1.00	36.8	
1E	597	64	7	23	23	14	1.00	1.00	32.7	
1F	597	64	7	23	23	14	1.00	1.00	32.4	
1G	597	77	7	23	23	14	1.00	1.00	36.1	
1H	597	77	7	23	23	14	1.00	1.00	35.7	
1I	-673	48	4	23	23	14	1.03	1.00	28.3	
1J	-673	48	9	23	23	14	1.03	1.00	32.0	
1K	-673	66	4	23	23	14	1.03	1.00	33.1	
1L	-673	66	9	23	23	14	1.03	1.00	36.7	
1M	634	48	4	23	23	14	1.00	1.00	27.3	
1N	634	48	9	23	23	14	1.00	1.00	30.9	
1O	634	66	4	23	23	14	1.00	1.00	32.0	
1P	634	66	9	23	23	14	1.00	1.00	35.6	
2	-514	17	24	23	23	14	1.03	1.00	32.4	
7	-461	18	20	23	23	14	1.03	1.00	28.4	
8	-440	11	19	23	23	14	1.03	1.00	25.9	

ASTA NUM. 289 NI 509 NF 510 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10729	-28	242	0	218	54	199.4	96.7	20.5	0.0	296.2	1	
1B	0	-10729	48	242	0	218	-64	199.4	104.3	20.5	0.0	303.7	1	
1C	0	-10729	-28	-133	0	-135	54	199.4	75.3	11.3	0.0	274.7	1	
1D	0	-10729	48	-133	0	-135	-64	199.4	82.8	11.3	0.0	282.3	1	
1E	0	6857	-28	242	0	218	54	127.5	96.7	20.5	0.0	224.2	1	
1F	0	6857	48	242	0	218	-64	127.5	104.3	20.5	0.0	231.7	1	
1G	0	6857	-28	-133	0	-135	54	127.5	75.3	11.3	0.0	202.8	1	
1H	0	6857	48	-133	0	-135	-64	127.5	82.8	11.3	0.0	210.3	1	
1I	0	-9025	-37	122	0	209	33	167.7	78.9	10.3	0.0	246.6	1	
1J	0	-9025	58	122	0	209	-44	167.7	86.4	10.3	0.0	254.1	1	
1K	0	-9025	-37	-13	0	-126	33	167.7	57.4	1.4	0.0	225.2	1	
1L	0	-9025	58	-13	0	-126	-44	167.7	65.0	2.2	0.0	232.7	1	
1M	0	5153	-37	122	0	209	33	95.8	78.9	10.3	0.0	174.6	1	
1N	0	5153	58	122	0	209	-44	95.8	86.4	10.3	0.0	182.2	1	
1O	0	5153	-37	-13	0	-126	33	95.8	57.4	1.4	0.0	153.2	1	
1P	0	5153	58	-13	0	-126	-44	95.8	65.0	2.2	0.0	160.7	1	
2	0	-3288	3	197	0	69	5	61.1	21.3	16.7	0.0	82.5	1	

7	0	-2309	0	158	0	46	5	42.9	15.3	13.4	0.0	58.2	1
8	0	-2591	2	156	0	53	4	48.2	16.9	13.2	0.0	65.1	1
1A	55	-10706	-28	242	0	49	45	199.0	46.6	20.5	0.0	245.5	1
1B	55	-10706	48	242	0	49	-44	199.0	45.5	20.5	0.0	244.5	1
1C	55	-10706	-28	-133	0	-26	45	199.0	40.7	11.3	0.0	239.7	1
1D	55	-10706	48	-133	0	-26	-44	199.0	39.7	11.3	0.0	238.7	1
1E	55	6881	-28	242	0	49	45	127.9	46.6	20.5	0.0	174.5	1
1F	55	6881	48	242	0	49	-44	127.9	45.5	20.5	0.0	173.4	1
1G	55	6881	-28	-133	0	-26	45	127.9	40.7	11.3	0.0	168.6	1
1H	55	6881	48	-133	0	-26	-44	127.9	39.7	11.3	0.0	167.6	1
1I	55	-9001	-37	122	0	164	6	167.3	46.6	10.3	0.0	213.9	1
1J	55	-9001	58	122	0	164	-4	167.3	45.6	10.3	0.0	212.9	1
1K	55	-9001	-37	-13	0	-141	6	167.3	40.8	1.4	0.0	208.1	1
1L	55	-9001	58	-13	0	-141	-4	167.3	39.8	2.2	0.0	207.1	1
1M	55	5176	-37	122	0	164	6	96.2	46.6	10.3	0.0	142.8	1
1N	55	5176	58	122	0	164	-4	96.2	45.6	10.3	0.0	141.8	1
1O	55	5176	-37	-13	0	-141	6	96.2	40.8	1.4	0.0	137.0	1
1P	55	5176	58	-13	0	-141	-4	96.2	39.8	2.2	0.0	136.0	1
2	55	-3258	3	197	0	-40	6	60.5	15.0	16.7	0.0	75.6	1
7	55	-2279	0	158	0	-42	5	42.4	14.3	13.4	0.0	56.6	1
8	55	-2560	2	156	0	-33	5	47.6	12.6	13.2	0.0	60.2	1
1A	111	-10682	-28	242	0	-120	36	198.6	58.2	20.5	0.0	256.8	1
1B	111	-10682	48	242	0	-120	-24	198.6	48.7	20.5	0.0	247.3	1
1C	111	-10682	-28	-133	0	82	36	198.6	48.5	11.3	0.0	247.1	1
1D	111	-10682	48	-133	0	82	-24	198.6	39.0	11.3	0.0	237.5	1
1E	111	6904	-28	242	0	-120	36	128.3	58.2	20.5	0.0	186.6	1
1F	111	6904	48	242	0	-120	-24	128.3	48.7	20.5	0.0	177.0	1
1G	111	6904	-28	-133	0	82	36	128.3	48.5	11.3	0.0	176.9	1
1H	111	6904	48	-133	0	82	-24	128.3	39.0	11.3	0.0	167.3	1
1I	111	-8978	-37	122	0	119	-22	166.9	47.1	10.3	0.0	213.9	1
1J	111	-8978	58	122	0	119	35	166.9	56.6	10.3	0.0	223.5	1
1K	111	-8978	-37	-13	0	-157	-22	166.9	56.8	1.4	0.0	223.6	1
1L	111	-8978	58	-13	0	-157	35	166.9	66.3	2.2	0.0	233.2	1
1M	111	5200	-37	122	0	119	-22	96.7	47.1	10.3	0.0	143.7	1
1N	111	5200	58	122	0	119	35	96.7	56.6	10.3	0.0	153.2	1
1O	111	5200	-37	-13	0	-157	-22	96.7	56.8	1.4	0.0	153.4	1
1P	111	5200	58	-13	0	-157	35	96.7	66.3	2.2	0.0	163.0	1
2	111	-3227	3	197	0	-149	8	60.0	44.1	16.7	0.0	104.1	1
7	111	-2249	0	158	0	-129	5	41.8	36.8	13.4	0.0	78.6	1
8	111	-2530	2	156	0	-120	6	47.0	35.5	13.2	0.0	82.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10729	87	47	23	23	14	1.03	1.00	263.4	
1B	-10729	87	48	23	23	14	1.03	1.00	264.1	
1C	-10729	54	47	23	23	14	1.03	1.00	254.8	
1D	-10729	54	48	23	23	14	1.03	1.00	255.5	
1E	6904	87	47	23	23	14	1.00	1.00	186.1	
1F	6904	87	48	23	23	14	1.00	1.00	186.8	
1G	6904	54	47	23	23	14	1.00	1.00	177.5	
1H	6904	54	48	23	23	14	1.00	1.00	178.2	
1I	-9025	173	13	23	23	14	1.03	1.00	227.5	
1J	-9025	173	17	23	23	14	1.03	1.00	230.5	
1K	-9025	145	13	23	23	14	1.03	1.00	220.1	
1L	-9025	145	17	23	23	14	1.03	1.00	223.1	
1M	5200	173	13	23	23	14	1.00	1.00	151.2	
1N	5200	173	17	23	23	14	1.00	1.00	154.3	
1O	5200	145	13	23	23	14	1.00	1.00	143.9	
1P	5200	145	17	23	23	14	1.00	1.00	146.9	
2	-3288	62	7	23	23	14	1.03	1.00	83.8	
7	-2309	59	5	23	23	14	1.03	1.00	63.0	
8	-2591	51	6	23	23	14	1.03	1.00	66.8	

ASTA NUM. 290 NI 510 NF 511 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11898	-17	260	0	167	37	221.2	70.6	22.0	0.0	291.8	1	
1B	0	-11898	1	260	0	167	-26	221.2	62.2	22.0	0.0	283.4	1	
1C	0	-11898	-17	-249	0	-164	37	221.2	69.9	21.1	0.0	291.0	1	
1D	0	-11898	1	-249	0	-164	-26	221.2	61.5	21.1	0.0	282.6	1	
1E	0	10373	-17	260	0	167	37	192.8	70.6	22.0	0.0	263.4	1	
1F	0	10373	1	260	0	167	-26	192.8	62.2	22.0	0.0	255.0	1	
1G	0	10373	-17	-249	0	-164	37	192.8	69.9	21.1	0.0	262.7	1	
1H	0	10373	1	-249	0	-164	-26	192.8	61.5	21.1	0.0	254.3	1	
1I	0	-6426	-30	157	0	197	28	119.4	71.3	13.3	0.0	190.8	1	
1J	0	-6426	14	157	0	197	-17	119.4	62.9	13.3	0.0	182.4	1	
1K	0	-6426	-30	-147	0	-194	28	119.4	70.6	12.4	0.0	190.0	1	
1L	0	-6426	14	-147	0	-194	-17	119.4	62.2	12.4	0.0	181.6	1	
1M	0	4900	-30	157	0	197	28	91.1	71.3	13.3	0.0	162.4	1	
1N	0	4900	14	157	0	197	-17	91.1	62.9	13.3	0.0	154.0	1	
1O	0	4900	-30	-147	0	-194	28	91.1	70.6	12.4	0.0	161.7	1	
1P	0	4900	14	-147	0	-194	-17	91.1	62.2	12.4	0.0	153.3	1	
2	0	509	1	18	0	-81	1	9.5	21.8	1.6	0.0	31.2	1	
7	0	525	1	6	0	-79	1	9.8	20.7	0.5	0.0	30.5	1	

8	0	348	0	10	0	-67	1	6.5	18.0	0.9	0.0	24.4	1
1A	55	-11875	-17	260	0	2	31	220.7	23.9	22.0	0.0	244.6	1
1B	55	-11875	1	260	0	2	-29	220.7	22.1	22.0	0.0	242.8	1
1C	55	-11875	-17	-249	0	-5	31	220.7	24.7	21.1	0.0	245.4	1
1D	55	-11875	1	-249	0	-5	-29	220.7	22.8	21.1	0.0	243.6	1
1E	55	10396	-17	260	0	2	31	193.2	23.9	22.0	0.0	217.1	1
1F	55	10396	1	260	0	2	-29	193.2	22.1	22.0	0.0	215.3	1
1G	55	10396	-17	-249	0	-5	31	193.2	24.7	21.1	0.0	217.9	1
1H	55	10396	1	-249	0	-5	-29	193.2	22.8	21.1	0.0	216.1	1
1I	55	-6402	-30	157	0	151	4	119.0	41.6	13.3	0.0	160.6	1
1J	55	-6402	14	157	0	151	-1	119.0	39.8	13.3	0.0	158.8	1
1K	55	-6402	-30	-147	0	-154	4	119.0	42.4	12.4	0.0	161.4	1
1L	55	-6402	14	-147	0	-154	-1	119.0	40.6	12.4	0.0	159.6	1
1M	55	4924	-30	157	0	151	4	91.5	41.6	13.3	0.0	133.2	1
1N	55	4924	14	157	0	151	-1	91.5	39.8	13.3	0.0	131.3	1
1O	55	4924	-30	-147	0	-154	4	91.5	42.4	12.4	0.0	133.9	1
1P	55	4924	14	-147	0	-154	-1	91.5	40.6	12.4	0.0	132.1	1
2	55	539	1	18	0	-91	2	10.0	24.9	1.6	0.0	34.9	1
7	55	556	1	6	0	-82	1	10.3	22.1	0.5	0.0	32.4	1
8	55	378	0	10	0	-73	1	7.0	19.6	0.9	0.0	26.6	1
1A	111	-11852	-17	260	0	-162	25	220.3	60.7	22.0	0.0	280.9	1
1B	111	-11852	1	260	0	-162	-32	220.3	65.4	22.0	0.0	285.7	1
1C	111	-11852	-17	-249	0	153	25	220.3	58.4	21.1	0.0	278.7	1
1D	111	-11852	1	-249	0	153	-32	220.3	63.2	21.1	0.0	283.4	1
1E	111	10420	-17	260	0	-162	25	193.7	60.7	22.0	0.0	254.3	1
1F	111	10420	1	260	0	-162	-32	193.7	65.4	22.0	0.0	259.1	1
1G	111	10420	-17	-249	0	153	25	193.7	58.4	21.1	0.0	252.1	1
1H	111	10420	1	-249	0	153	-32	193.7	63.2	21.1	0.0	256.8	1
1I	111	-6379	-30	157	0	105	-20	118.6	42.2	13.3	0.0	160.8	1
1J	111	-6379	14	157	0	105	14	118.6	37.5	13.3	0.0	156.0	1
1K	111	-6379	-30	-147	0	-114	-20	118.6	44.5	12.4	0.0	163.1	1
1L	111	-6379	14	-147	0	-114	14	118.6	39.7	12.4	0.0	158.3	1
1M	111	4947	-30	157	0	105	-20	92.0	42.2	13.3	0.0	134.2	1
1N	111	4947	14	157	0	105	14	92.0	37.5	13.3	0.0	129.4	1
1O	111	4947	-30	-147	0	-114	-20	92.0	44.5	12.4	0.0	136.5	1
1P	111	4947	14	-147	0	-114	14	92.0	39.7	12.4	0.0	131.7	1
2	111	570	1	18	0	-102	2	10.6	28.0	1.6	0.0	38.6	1
7	111	586	1	6	0	-85	2	10.9	23.4	0.5	0.0	34.3	1
8	111	408	0	10	0	-79	1	7.6	21.2	0.9	0.0	28.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11898	67	32	23	23	14	1.03	1.00	269.3	
1B	-11898	67	29	23	23	14	1.03	1.00	267.1	
1C	-11898	66	32	23	23	14	1.03	1.00	269.0	
1D	-11898	66	29	23	23	14	1.03	1.00	266.8	
1E	10420	67	32	23	23	14	1.00	1.00	235.0	
1F	10420	67	29	23	23	14	1.00	1.00	232.8	
1G	10420	66	32	23	23	14	1.00	1.00	234.7	
1H	10420	66	29	23	23	14	1.00	1.00	232.5	
1I	-6426	160	11	23	23	14	1.03	1.00	172.6	
1J	-6426	160	7	23	23	14	1.03	1.00	169.2	
1K	-6426	162	11	23	23	14	1.03	1.00	173.0	
1L	-6426	162	7	23	23	14	1.03	1.00	169.7	
1M	4947	160	11	23	23	14	1.00	1.00	141.4	
1N	4947	160	7	23	23	14	1.00	1.00	138.1	
1O	4947	162	11	23	23	14	1.00	1.00	141.9	
1P	4947	162	7	23	23	14	1.00	1.00	138.5	
2	570	93	2	23	23	14	1.00	1.00	36.1	
7	586	83	1	23	23	14	1.00	1.00	33.3	
8	408	74	1	23	23	14	1.00	1.00	27.5	

ASTA NUM. 291 NI 511 NF 512 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6062	-15	163	0	122	32	112.7	55.6	13.8	0.0	168.3	1	
1B	0	-6062	19	163	0	122	-36	112.7	58.4	13.8	0.0	171.1	1	
1C	0	-6062	-15	-47	0	-90	32	112.7	47.2	3.9	0.0	159.9	1	
1D	0	-6062	19	-47	0	-90	-36	112.7	50.0	3.9	0.0	162.7	1	
1E	0	4460	-15	163	0	122	32	82.9	55.6	13.8	0.0	138.5	1	
1F	0	4460	19	163	0	122	-36	82.9	58.4	13.8	0.0	141.3	1	
1G	0	4460	-15	-47	0	-90	32	82.9	47.2	3.9	0.0	130.1	1	
1H	0	4460	19	-47	0	-90	-36	82.9	50.0	3.9	0.0	132.9	1	
1I	0	-5516	-25	130	0	151	21	102.5	54.7	11.0	0.0	157.3	1	
1J	0	-5516	29	130	0	151	-25	102.5	57.5	11.0	0.0	160.1	1	
1K	0	-5516	-25	-13	0	-118	21	102.5	46.3	1.1	0.0	148.9	1	
1L	0	-5516	29	-13	0	-118	-25	102.5	49.1	1.1	0.0	151.6	1	
1M	0	3914	-25	130	0	151	21	72.7	54.7	11.0	0.0	127.5	1	
1N	0	3914	29	130	0	151	-25	72.7	57.5	11.0	0.0	130.3	1	
1O	0	3914	-25	-13	0	-118	21	72.7	46.3	1.1	0.0	119.1	1	
1P	0	3914	29	-13	0	-118	-25	72.7	49.1	1.1	0.0	121.8	1	
2	0	578	-13	201	0	-31	3	10.7	10.3	17.1	0.0	31.8	3	
7	0	674	-12	158	0	-33	3	12.5	11.0	13.4	0.0	28.8	3	
8	0	355	-10	159	0	-24	2	6.6	7.6	13.5	0.0	24.2	4	

1A	55	-6039	-15	163	0	12	28	112.2	23.8	13.8	0.0	136.0	1
1B	55	-6039	19	163	0	12	-29	112.2	25.0	13.8	0.0	137.2	1
1C	55	-6039	-15	-47	0	-43	28	112.2	31.9	3.9	0.0	144.2	1
1D	55	-6039	19	-47	0	-43	-29	112.2	33.1	3.9	0.0	145.4	1
1E	55	4483	-15	163	0	12	28	83.3	23.8	13.8	0.0	107.1	1
1F	55	4483	19	163	0	12	-29	83.3	25.0	13.8	0.0	108.3	1
1G	55	4483	-15	-47	0	-43	28	83.3	31.9	3.9	0.0	115.3	1
1H	55	4483	19	-47	0	-43	-29	83.3	33.1	3.9	0.0	116.5	1
1I	55	-5493	-25	130	0	88	2	102.1	23.9	11.0	0.0	126.0	1
1J	55	-5493	29	130	0	88	-3	102.1	25.1	11.0	0.0	127.2	1
1K	55	-5493	-25	-13	0	-120	2	102.1	32.1	1.1	0.0	134.2	1
1L	55	-5493	29	-13	0	-120	-3	102.1	33.3	1.1	0.0	135.4	1
1M	55	3937	-25	130	0	88	2	73.2	23.9	11.0	0.0	97.1	1
1N	55	3937	29	130	0	88	-3	73.2	25.1	11.0	0.0	98.3	1
1O	55	3937	-25	-13	0	-120	2	73.2	32.1	1.1	0.0	105.3	1
1P	55	3937	29	-13	0	-120	-3	73.2	33.3	1.1	0.0	106.5	1
2	55	609	-13	201	0	-143	-4	11.3	40.0	17.1	0.0	51.4	3
7	55	704	-12	158	0	-121	-3	13.1	33.6	13.4	0.0	46.7	1
8	55	385	-10	159	0	-112	-3	7.2	31.4	13.5	0.0	38.9	3
1A	111	-6016	-15	163	0	-99	23	111.8	42.8	13.8	0.0	154.6	1
1B	111	-6016	19	163	0	-99	-23	111.8	42.5	13.8	0.0	154.3	1
1C	111	-6016	-15	-47	0	3	23	111.8	18.0	3.9	0.0	129.9	1
1D	111	-6016	19	-47	0	3	-23	111.8	17.7	3.9	0.0	129.5	1
1E	111	4506	-15	163	0	-99	23	83.8	42.8	13.8	0.0	126.6	1
1F	111	4506	19	163	0	-99	-23	83.8	42.5	13.8	0.0	126.2	1
1G	111	4506	-15	-47	0	3	23	83.8	18.0	3.9	0.0	101.8	1
1H	111	4506	19	-47	0	3	-23	83.8	17.7	3.9	0.0	101.5	1
1I	111	-5470	-25	130	0	26	-18	101.7	20.3	11.0	0.0	122.0	1
1J	111	-5470	29	130	0	26	19	101.7	20.7	11.0	0.0	122.4	1
1K	111	-5470	-25	-13	0	-122	-18	101.7	45.1	1.1	0.0	146.8	1
1L	111	-5470	29	-13	0	-122	19	101.7	45.5	1.1	0.0	147.1	1
1M	111	3960	-25	130	0	26	-18	73.6	20.3	11.0	0.0	94.0	1
1N	111	3960	29	130	0	26	19	73.6	20.7	11.0	0.0	94.3	1
1O	111	3960	-25	-13	0	-122	-18	73.6	45.1	1.1	0.0	118.7	1
1P	111	3960	29	-13	0	-122	19	73.6	45.5	1.1	0.0	119.1	1
2	111	639	-13	201	0	-254	-12	11.9	74.2	17.1	0.0	86.0	1
7	111	734	-12	158	0	-208	-10	13.6	61.1	13.4	0.0	74.8	1
8	111	415	-10	159	0	-200	-9	7.7	58.0	13.5	0.0	65.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6062	49	29	23	23	14	1.03	1.00	150.2	
1B	-6062	49	31	23	23	14	1.03	1.00	151.7	
1C	-6062	53	29	23	23	14	1.03	1.00	151.1	
1D	-6062	53	31	23	23	14	1.03	1.00	152.7	
1E	4506	49	29	23	23	14	1.00	1.00	117.8	
1F	4506	49	31	23	23	14	1.00	1.00	119.3	
1G	4506	53	29	23	23	14	1.00	1.00	118.7	
1H	4506	53	31	23	23	14	1.00	1.00	120.3	
1I	-5516	101	9	23	23	14	1.03	1.00	138.0	
1J	-5516	101	10	23	23	14	1.03	1.00	139.1	
1K	-5516	121	9	23	23	14	1.03	1.00	143.1	
1L	-5516	121	10	23	23	14	1.03	1.00	144.2	
1M	3960	101	9	23	23	14	1.00	1.00	106.0	
1N	3960	101	10	23	23	14	1.00	1.00	107.1	
1O	3960	121	9	23	23	14	1.00	1.00	111.0	
1P	3960	121	10	23	23	14	1.00	1.00	112.1	
2	639	165	6	23	23	14	1.00	1.00	58.7	
7	734	138	5	23	23	14	1.00	1.00	52.8	
8	415	129	5	23	23	14	1.00	1.00	44.4	

ASTA NUM. 292 NI 512 NF 513 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7272	-18	185	0	87	15	135.2	33.3	15.7	0.0	168.5	1	
1B	0	-7272	10	185	0	87	-9	135.2	28.9	15.7	0.0	164.1	1	
1C	0	-7272	-18	-173	0	-142	15	135.2	47.6	14.7	0.0	182.8	1	
1D	0	-7272	10	-173	0	-142	-9	135.2	43.2	14.7	0.0	178.3	1	
1E	0	8018	-18	185	0	87	15	149.0	33.3	15.7	0.0	182.4	1	
1F	0	8018	10	185	0	87	-9	149.0	28.9	15.7	0.0	177.9	1	
1G	0	8018	-18	-173	0	-142	15	149.0	47.6	14.7	0.0	196.6	1	
1H	0	8018	10	-173	0	-142	-9	149.0	43.2	14.7	0.0	192.2	1	
1I	0	-3094	-20	123	0	102	16	57.5	38.0	10.4	0.0	95.5	1	
1J	0	-3094	11	123	0	102	-10	57.5	33.6	10.4	0.0	91.1	1	
1K	0	-3094	-20	-111	0	-157	16	57.5	52.3	9.4	0.0	109.8	1	
1L	0	-3094	11	-111	0	-157	-10	57.5	47.9	9.4	0.0	105.4	1	
1M	0	3839	-20	123	0	102	16	71.4	38.0	10.4	0.0	109.4	1	
1N	0	3839	11	123	0	102	-10	71.4	33.6	10.4	0.0	105.0	1	
1O	0	3839	-20	-111	0	-157	16	71.4	52.3	9.4	0.0	123.7	1	
1P	0	3839	11	-111	0	-157	-10	71.4	47.9	9.4	0.0	119.2	1	
2	0	4425	2	19	0	-186	-5	82.2	51.5	1.6	0.0	133.8	1	
7	0	3557	2	8	0	-157	-5	66.1	43.8	0.7	0.0	109.9	1	
8	0	3341	-1	11	0	-147	-3	62.1	39.8	0.9	0.0	101.9	1	

1A	55	-7248	-18	185	0	-25	16	134.7	18.7	15.7	0.0	153.4	1
1B	55	-7248	10	185	0	-25	-15	134.7	17.9	15.7	0.0	152.7	1
1C	55	-7248	-18	-173	0	-38	16	134.7	22.0	14.7	0.0	156.7	1
1D	55	-7248	10	-173	0	-38	-15	134.7	21.3	14.7	0.0	156.0	1
1E	55	8041	-18	185	0	-25	16	149.5	18.7	15.7	0.0	168.1	1
1F	55	8041	10	185	0	-25	-15	149.5	17.9	15.7	0.0	167.4	1
1G	55	8041	-18	-173	0	-38	16	149.5	22.0	14.7	0.0	171.5	1
1H	55	8041	10	-173	0	-38	-15	149.5	21.3	14.7	0.0	170.7	1
1I	55	-3070	-20	123	0	62	2	57.1	17.6	10.4	0.0	74.7	1
1J	55	-3070	11	123	0	62	-1	57.1	16.9	10.4	0.0	73.9	1
1K	55	-3070	-20	-111	0	-124	2	57.1	33.6	9.4	0.0	90.7	1
1L	55	-3070	11	-111	0	-124	-1	57.1	32.9	9.4	0.0	89.9	1
1M	55	3863	-20	123	0	62	2	71.8	17.6	10.4	0.0	89.4	1
1N	55	3863	11	123	0	62	-1	71.8	16.9	10.4	0.0	88.7	1
1O	55	3863	-20	-111	0	-124	2	71.8	33.6	9.4	0.0	105.4	1
1P	55	3863	11	-111	0	-124	-1	71.8	32.9	9.4	0.0	104.7	1
2	55	4455	2	19	0	-196	-4	82.8	53.5	1.6	0.0	136.3	1
7	55	3588	2	8	0	-161	-3	66.7	44.1	0.7	0.0	110.8	1
8	55	3372	-1	11	0	-153	-3	62.7	41.8	0.9	0.0	104.5	1
1A	111	-7225	-18	185	0	-136	18	134.3	48.7	15.7	0.0	183.0	1
1B	111	-7225	10	185	0	-136	-22	134.3	51.6	15.7	0.0	185.9	1
1C	111	-7225	-18	-173	0	67	18	134.3	30.9	14.7	0.0	165.2	1
1D	111	-7225	10	-173	0	67	-22	134.3	33.9	14.7	0.0	168.1	1
1E	111	8064	-18	185	0	-136	18	149.9	48.7	15.7	0.0	198.6	1
1F	111	8064	10	185	0	-136	-22	149.9	51.6	15.7	0.0	201.5	1
1G	111	8064	-18	-173	0	67	18	149.9	30.9	14.7	0.0	180.8	1
1H	111	8064	10	-173	0	67	-22	149.9	33.9	14.7	0.0	183.7	1
1I	111	-3047	-20	123	0	22	-11	56.6	14.0	10.4	0.0	70.7	1
1J	111	-3047	11	123	0	22	7	56.6	11.1	10.4	0.0	67.7	1
1K	111	-3047	-20	-111	0	-91	-11	56.6	31.8	9.4	0.0	88.4	1
1L	111	-3047	11	-111	0	-91	7	56.6	28.9	9.4	0.0	85.5	1
1M	111	3886	-20	123	0	22	-11	72.2	14.0	10.4	0.0	86.3	1
1N	111	3886	11	123	0	22	7	72.2	11.1	10.4	0.0	83.3	1
1O	111	3886	-20	-111	0	-91	-11	72.2	31.8	9.4	0.0	104.0	1
1P	111	3886	11	-111	0	-91	7	72.2	28.9	9.4	0.0	101.1	1
2	111	4485	2	19	0	-207	-3	83.4	55.4	1.6	0.0	138.8	1
7	111	3618	2	8	0	-166	-2	67.2	44.4	0.7	0.0	111.6	1
8	111	3402	-1	11	0	-159	-4	63.2	43.9	0.9	0.0	107.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7272	54	17	23	23	14	1.03	1.00	165.9	
1B	-7272	54	17	23	23	14	1.03	1.00	165.9	
1C	-7272	59	17	23	23	14	1.03	1.00	166.9	
1D	-7272	59	17	23	23	14	1.03	1.00	166.9	
1E	8064	54	17	23	23	14	1.00	1.00	176.5	
1F	8064	54	17	23	23	14	1.00	1.00	176.5	
1G	8064	59	17	23	23	14	1.00	1.00	177.5	
1H	8064	59	17	23	23	14	1.00	1.00	177.5	
1I	-3094	70	6	23	23	14	1.03	1.00	81.9	
1J	-3094	70	4	23	23	14	1.03	1.00	80.2	
1K	-3094	131	6	23	23	14	1.03	1.00	97.6	
1L	-3094	131	4	23	23	14	1.03	1.00	95.8	
1M	3886	70	6	23	23	14	1.00	1.00	94.9	
1N	3886	70	4	23	23	14	1.00	1.00	93.1	
1O	3886	131	6	23	23	14	1.00	1.00	110.6	
1P	3886	131	4	23	23	14	1.00	1.00	108.8	
2	4485	198	4	23	23	14	1.00	1.00	137.5	
7	3618	162	4	23	23	14	1.00	1.00	111.8	
8	3402	154	4	23	23	14	1.00	1.00	105.5	

ASTA NUM. 293 NI 513 NF 514 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1663	-12	89	0	36	13	30.9	18.9	7.5	0.0	49.8	1	
1B	0	-1663	-1	89	0	36	-8	30.9	15.3	7.5	0.0	46.2	1	
1C	0	-1663	-12	29	0	-63	13	30.9	25.9	2.4	0.0	56.8	1	
1D	0	-1663	-1	29	0	-63	-8	30.9	22.3	2.4	0.0	53.2	1	
1E	0	2388	-12	89	0	36	13	44.4	18.9	7.5	0.0	63.3	1	
1F	0	2388	-1	89	0	36	-8	44.4	15.3	7.5	0.0	59.7	1	
1G	0	2388	-12	29	0	-63	13	44.4	25.9	2.4	0.0	70.2	1	
1H	0	2388	-1	29	0	-63	-8	44.4	22.3	2.4	0.0	66.6	1	
1I	0	-2204	-14	120	0	68	9	41.0	23.9	10.1	0.0	64.9	1	
1J	0	-2204	1	120	0	68	-4	41.0	20.3	10.1	0.0	61.3	1	
1K	0	-2204	-14	-2	0	-95	9	41.0	30.9	0.5	0.0	71.8	1	
1L	0	-2204	1	-2	0	-95	-4	41.0	27.3	0.2	0.0	68.3	1	
1M	0	2928	-14	120	0	68	9	54.4	23.9	10.1	0.0	78.4	1	
1N	0	2928	1	120	0	68	-4	54.4	20.3	10.1	0.0	74.8	1	
1O	0	2928	-14	-2	0	-95	9	54.4	30.9	0.5	0.0	85.3	1	
1P	0	2928	1	-2	0	-95	-4	54.4	27.3	0.2	0.0	81.7	1	
2	0	4580	-35	203	0	-137	9	85.1	42.1	17.2	0.0	127.2	1	
7	0	3771	-28	157	0	-115	7	70.1	35.0	13.3	0.0	105.1	1	
8	0	3423	-27	160	0	-105	7	63.6	32.0	13.6	0.0	95.6	1	
1A	55	-1640	-12	89	0	-12	11	30.5	11.1	7.5	0.0	41.6	1	

1B	55	-1640	-1	89	0	-12	-13	30.5	13.0	7.5	0.0	43.4	1
1C	55	-1640	-12	29	0	-80	11	30.5	28.7	2.4	0.0	59.2	1
1D	55	-1640	-1	29	0	-80	-13	30.5	30.6	2.4	0.0	61.1	1
1E	55	2411	-12	89	0	-12	11	44.8	11.1	7.5	0.0	55.9	1
1F	55	2411	-1	89	0	-12	-13	44.8	13.0	7.5	0.0	57.8	1
1G	55	2411	-12	29	0	-80	11	44.8	28.7	2.4	0.0	73.5	1
1H	55	2411	-1	29	0	-80	-13	44.8	30.6	2.4	0.0	75.4	1
1I	55	-2180	-14	120	0	2	-2	40.5	2.3	10.1	0.0	44.2	4
1J	55	-2180	1	120	0	2	-0	40.5	0.8	10.1	0.0	44.2	4
1K	55	-2180	-14	-2	0	-94	-2	40.5	26.0	0.5	0.0	66.5	1
1L	55	-2180	1	-2	0	-94	-0	40.5	24.5	0.2	0.0	65.0	1
1M	55	2952	-14	120	0	2	-2	54.9	2.3	10.1	0.0	57.7	4
1N	55	2952	1	120	0	2	-0	54.9	0.8	10.1	0.0	57.6	4
1O	55	2952	-14	-2	0	-94	-2	54.9	26.0	0.5	0.0	80.9	1
1P	55	2952	1	-2	0	-94	-0	54.9	24.5	0.2	0.0	79.3	1
2	55	4610	-35	203	0	-249	-11	85.7	72.2	17.2	0.0	157.8	1
7	55	3801	-28	157	0	-202	-8	70.7	58.2	13.3	0.0	128.8	1
8	55	3454	-27	160	0	-193	-8	64.2	56.0	13.6	0.0	120.1	1
1A	111	-1617	-12	89	0	-59	9	30.0	21.7	7.5	0.0	51.7	1
1B	111	-1617	-1	89	0	-59	-18	30.0	29.0	7.5	0.0	59.1	1
1C	111	-1617	-12	29	0	-98	9	30.0	31.6	2.4	0.0	61.6	1
1D	111	-1617	-1	29	0	-98	-18	30.0	38.9	2.4	0.0	69.0	1
1E	111	2435	-12	89	0	-59	9	45.3	21.7	7.5	0.0	66.9	1
1F	111	2435	-1	89	0	-59	-18	45.3	29.0	7.5	0.0	74.3	1
1G	111	2435	-12	29	0	-98	9	45.3	31.6	2.4	0.0	76.8	1
1H	111	2435	-1	29	0	-98	-18	45.3	38.9	2.4	0.0	84.2	1
1I	111	-2157	-14	120	0	-63	-13	40.1	26.1	10.1	0.0	66.2	1
1J	111	-2157	1	120	0	-63	3	40.1	18.8	10.1	0.0	58.9	1
1K	111	-2157	-14	-2	0	-94	-13	40.1	34.2	0.5	0.0	74.3	1
1L	111	-2157	1	-2	0	-94	3	40.1	26.8	0.2	0.0	66.9	1
1M	111	2975	-14	120	0	-63	-13	55.3	26.1	10.1	0.0	81.4	1
1N	111	2975	1	120	0	-63	3	55.3	18.8	10.1	0.0	74.1	1
1O	111	2975	-14	-2	0	-94	-13	55.3	34.2	0.5	0.0	89.5	1
1P	111	2975	1	-2	0	-94	3	55.3	26.8	0.2	0.0	82.1	1
2	111	4640	-35	203	0	-362	-30	86.2	115.7	17.2	0.0	202.0	1
7	111	3831	-28	157	0	-288	-24	71.2	92.2	13.3	0.0	163.4	1
8	111	3484	-27	160	0	-282	-23	64.8	90.0	13.6	0.0	154.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1663	24	11	23	23	14	1.03	1.00	46.4	
1B	-1663	24	14	23	23	14	1.03	1.00	48.7	
1C	-1663	84	11	23	23	14	1.03	1.00	61.8	
1D	-1663	84	14	23	23	14	1.03	1.00	64.1	
1E	2435	24	11	23	23	14	1.00	1.00	59.8	
1F	2435	24	14	23	23	14	1.00	1.00	62.1	
1G	2435	84	11	23	23	14	1.00	1.00	75.2	
1H	2435	84	14	23	23	14	1.00	1.00	77.5	
1I	-2204	27	5	23	23	14	1.03	1.00	53.1	
1J	-2204	27	2	23	23	14	1.03	1.00	50.3	
1K	-2204	94	5	23	23	14	1.03	1.00	70.5	
1L	-2204	94	2	23	23	14	1.03	1.00	67.7	
1M	2975	27	5	23	23	14	1.00	1.00	66.2	
1N	2975	27	2	23	23	14	1.00	1.00	63.4	
1O	2975	94	5	23	23	14	1.00	1.00	83.6	
1P	2975	94	2	23	23	14	1.00	1.00	80.8	
2	4640	272	15	23	23	14	1.00	1.00	167.1	
7	3831	219	12	23	23	14	1.00	1.00	136.2	
8	3484	211	11	23	23	14	1.00	1.00	127.5	

ASTA NUM. 294 NI 514 NF 515 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3130	-32	150	0	2	20	58.2	15.3	12.7	0.0	73.5	1	
1B	0	-3130	32	150	0	2	-19	58.2	14.8	12.7	0.0	73.0	1	
1C	0	-3130	-32	-101	0	-116	20	58.2	44.8	8.5	0.0	103.0	1	
1D	0	-3130	32	-101	0	-116	-19	58.2	44.3	8.5	0.0	102.5	1	
1E	0	6232	-32	150	0	2	20	115.8	15.3	12.7	0.0	131.2	1	
1F	0	6232	32	150	0	2	-19	115.8	14.8	12.7	0.0	130.6	1	
1G	0	6232	-32	-101	0	-116	20	115.8	44.8	8.5	0.0	160.7	1	
1H	0	6232	32	-101	0	-116	-19	115.8	44.3	8.5	0.0	160.2	1	
1I	0	-179	-21	120	0	6	18	3.3	14.7	10.2	0.0	18.1	4	
1J	0	-179	21	120	0	6	-17	3.3	14.1	10.2	0.0	18.1	4	
1K	0	-179	-21	-71	0	-120	18	3.3	44.2	6.0	0.0	47.5	1	
1L	0	-179	21	-71	0	-120	-17	3.3	43.6	6.0	0.0	47.0	1	
1M	0	3281	-21	120	0	6	18	61.0	14.7	10.2	0.0	75.6	1	
1N	0	3281	21	120	0	6	-17	61.0	14.1	10.2	0.0	75.1	1	
1O	0	3281	-21	-71	0	-120	18	61.0	44.2	6.0	0.0	105.2	1	
1P	0	3281	21	-71	0	-120	-17	61.0	43.6	6.0	0.0	104.6	1	
2	0	8437	9	91	0	-291	-12	156.8	83.9	7.7	0.0	240.7	1	
7	0	6649	9	67	0	-236	-11	123.6	69.0	5.7	0.0	192.6	1	
8	0	6439	4	67	0	-227	-7	119.7	63.8	5.7	0.0	183.4	1	
1A	55	-3107	-32	150	0	-83	2	57.7	22.7	12.7	0.0	80.4	1	
1B	55	-3107	32	150	0	-83	-1	57.7	22.2	12.7	0.0	80.0	1	

1C	55	-3107	-32	-101	0	-60	2	57.7	16.8	8.5	0.0	74.6	1
1D	55	-3107	32	-101	0	-60	-1	57.7	16.4	8.5	0.0	74.1	1
1E	55	6256	-32	150	0	-83	2	116.3	22.7	12.7	0.0	139.0	1
1F	55	6256	32	150	0	-83	-1	116.3	22.2	12.7	0.0	138.5	1
1G	55	6256	-32	-101	0	-60	2	116.3	16.8	8.5	0.0	133.1	1
1H	55	6256	32	-101	0	-60	-1	116.3	16.4	8.5	0.0	132.6	1
1I	55	-156	-21	120	0	-62	5	2.9	19.8	10.2	0.0	23.3	3
1J	55	-156	21	120	0	-62	-5	2.9	19.3	10.2	0.0	23.3	3
1K	55	-156	-21	-71	0	-80	5	2.9	24.6	6.0	0.0	27.5	1
1L	55	-156	21	-71	0	-80	-5	2.9	24.1	6.0	0.0	27.0	1
1M	55	3305	-21	120	0	-62	5	61.4	19.8	10.2	0.0	81.2	1
1N	55	3305	21	120	0	-62	-5	61.4	19.3	10.2	0.0	80.8	1
1O	55	3305	-21	-71	0	-80	5	61.4	24.6	6.0	0.0	86.0	1
1P	55	3305	21	-71	0	-80	-5	61.4	24.1	6.0	0.0	85.5	1
2	55	8467	9	91	0	-342	-7	157.4	93.2	7.7	0.0	250.5	1
7	55	6680	9	67	0	-273	-6	124.2	74.7	5.7	0.0	198.9	1
8	55	6469	4	67	0	-264	-5	120.2	71.8	5.7	0.0	192.0	1
1A	111	-3083	-32	150	0	-167	-16	57.3	54.9	12.7	0.0	112.2	1
1B	111	-3083	32	150	0	-167	17	57.3	55.3	12.7	0.0	112.6	1
1C	111	-3083	-32	-101	0	-3	-16	57.3	12.8	8.5	0.0	70.1	1
1D	111	-3083	32	-101	0	-3	17	57.3	13.2	8.5	0.0	70.5	1
1E	111	6279	-32	150	0	-167	-16	116.7	54.9	12.7	0.0	171.6	1
1F	111	6279	32	150	0	-167	17	116.7	55.3	12.7	0.0	172.0	1
1G	111	6279	-32	-101	0	-3	-16	116.7	12.8	8.5	0.0	129.5	1
1H	111	6279	32	-101	0	-3	17	116.7	13.2	8.5	0.0	129.9	1
1I	111	-132	-21	120	0	-129	-7	2.5	38.7	10.2	0.0	41.1	1
1J	111	-132	21	120	0	-129	8	2.5	39.1	10.2	0.0	41.5	1
1K	111	-132	-21	-71	0	-40	-7	2.5	15.8	6.0	0.0	18.3	1
1L	111	-132	21	-71	0	-40	8	2.5	16.2	6.0	0.0	18.7	1
1M	111	3328	-21	120	0	-129	-7	61.9	38.7	10.2	0.0	100.5	1
1N	111	3328	21	120	0	-129	8	61.9	39.1	10.2	0.0	100.9	1
1O	111	3328	-21	-71	0	-40	-7	61.9	15.8	6.0	0.0	77.7	1
1P	111	3328	21	-71	0	-40	8	61.9	16.2	6.0	0.0	78.1	1
2	111	8497	9	91	0	-392	-2	157.9	102.4	7.7	0.0	260.4	1
7	111	6710	9	67	0	-310	-1	124.7	80.5	5.7	0.0	205.2	1
8	111	6499	4	67	0	-302	-3	120.8	79.8	5.7	0.0	200.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3130	99	8	23	23	14	1.03	1.00	91.5	
1B	-3130	99	8	23	23	14	1.03	1.00	91.3	
1C	-3130	71	8	23	23	14	1.03	1.00	84.2	
1D	-3130	71	8	23	23	14	1.03	1.00	84.0	
1E	6279	99	8	23	23	14	1.00	1.00	148.3	
1F	6279	99	8	23	23	14	1.00	1.00	148.0	
1G	6279	71	8	23	23	14	1.00	1.00	141.0	
1H	6279	71	8	23	23	14	1.00	1.00	140.7	
1I	-179	75	8	23	23	14	1.03	1.00	28.6	
1J	-179	75	7	23	23	14	1.03	1.00	28.1	
1K	-179	88	8	23	23	14	1.03	1.00	31.9	
1L	-179	88	7	23	23	14	1.03	1.00	31.5	
1M	3328	75	8	23	23	14	1.00	1.00	87.0	
1N	3328	75	7	23	23	14	1.00	1.00	86.5	
1O	3328	88	8	23	23	14	1.00	1.00	90.4	
1P	3328	88	7	23	23	14	1.00	1.00	89.9	
2	8497	352	8	23	23	14	1.00	1.00	254.4	
7	6710	280	7	23	23	14	1.00	1.00	202.1	
8	6499	272	5	23	23	14	1.00	1.00	194.8	

ASTA NUM. 295 NI 515 NF 516 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	706	-42	269	0	-47	9	13.1	18.9	22.8	0.0	42.6	3	
1B	0	706	45	269	0	-47	-6	13.1	16.3	22.8	0.0	42.6	3	
1C	0	706	-42	25	0	-88	9	13.1	29.4	2.2	0.0	42.5	1	
1D	0	706	45	25	0	-88	-6	13.1	26.8	2.2	0.0	39.9	1	
1E	0	2610	-42	269	0	-47	9	48.5	18.9	22.8	0.0	69.2	3	
1F	0	2610	45	269	0	-47	-6	48.5	16.3	22.8	0.0	69.1	3	
1G	0	2610	-42	25	0	-88	9	48.5	29.4	2.2	0.0	77.9	1	
1H	0	2610	45	25	0	-88	-6	48.5	26.8	2.2	0.0	75.3	1	
1I	0	770	-26	302	0	-38	8	14.3	15.6	25.6	0.0	46.7	4	
1J	0	770	29	302	0	-38	-4	14.3	13.0	25.6	0.0	46.6	4	
1K	0	770	-26	-8	0	-97	8	14.3	30.8	1.0	0.0	45.1	1	
1L	0	770	29	-8	0	-97	-4	14.3	28.2	1.1	0.0	42.5	1	
1M	0	2546	-26	302	0	-38	8	47.3	15.6	25.6	0.0	68.6	3	
1N	0	2546	29	302	0	-38	-4	47.3	13.0	25.6	0.0	68.5	3	
1O	0	2546	-26	-8	0	-97	8	47.3	30.8	1.0	0.0	78.1	1	
1P	0	2546	29	-8	0	-97	-4	47.3	28.2	1.1	0.0	75.5	1	
2	0	8906	-14	598	0	-341	6	165.5	92.1	50.7	0.0	257.7	1	
7	0	7082	-12	458	0	-274	4	131.6	73.4	38.8	0.0	205.1	1	
8	0	6809	-7	469	0	-261	4	126.6	70.3	39.7	0.0	196.9	1	
1A	55	729	-42	269	0	-206	-16	13.6	64.6	22.8	0.0	78.1	1	
1B	55	729	45	269	0	-206	20	13.6	68.3	22.8	0.0	81.8	1	
1C	55	729	-42	25	0	-92	-16	13.6	35.3	2.2	0.0	48.9	1	

1D	55	729	45	25	0	-92	20	13.6	39.0	2.2	0.0	52.6	1
1E	55	2634	-42	269	0	-206	-16	49.0	64.6	22.8	0.0	113.5	1
1F	55	2634	45	269	0	-206	20	49.0	68.3	22.8	0.0	117.2	1
1G	55	2634	-42	25	0	-92	-16	49.0	35.3	2.2	0.0	84.3	1
1H	55	2634	45	25	0	-92	20	49.0	39.0	2.2	0.0	88.0	1
1I	55	794	-26	302	0	-209	21	14.8	69.7	25.6	0.0	84.5	1
1J	55	794	29	302	0	-209	-16	14.8	66.0	25.6	0.0	80.8	1
1K	55	794	-26	-8	0	-89	21	14.8	39.0	1.0	0.0	53.7	1
1L	55	794	29	-8	0	-89	-16	14.8	35.3	1.1	0.0	50.0	1
1M	55	2569	-26	302	0	-209	21	47.8	69.7	25.6	0.0	117.5	1
1N	55	2569	29	302	0	-209	-16	47.8	66.0	25.6	0.0	113.8	1
1O	55	2569	-26	-8	0	-89	21	47.8	39.0	1.0	0.0	86.7	1
1P	55	2569	29	-8	0	-89	-16	47.8	35.3	1.1	0.0	83.0	1
2	55	8936	-14	598	0	-672	-2	166.1	174.3	50.7	0.0	340.4	1
7	55	7112	-12	458	0	-527	-3	132.2	137.6	38.8	0.0	269.8	1
8	55	6840	-7	469	0	-521	0	127.1	134.0	39.7	0.0	261.1	1
1A	111	753	-42	269	0	-364	-40	14.0	123.8	22.8	0.0	137.8	1
1B	111	753	45	269	0	-364	47	14.0	128.6	22.8	0.0	142.6	1
1C	111	753	-42	25	0	-96	-40	14.0	54.8	2.2	0.0	68.8	1
1D	111	753	45	25	0	-96	47	14.0	59.6	2.2	0.0	73.6	1
1E	111	2657	-42	269	0	-364	-40	49.4	123.8	22.8	0.0	173.2	1
1F	111	2657	45	269	0	-364	47	49.4	128.6	22.8	0.0	178.0	1
1G	111	2657	-42	25	0	-96	-40	49.4	54.8	2.2	0.0	104.2	1
1H	111	2657	45	25	0	-96	47	49.4	59.6	2.2	0.0	109.0	1
1I	111	817	-26	302	0	-379	35	15.2	123.8	25.6	0.0	139.0	1
1J	111	817	29	302	0	-379	-29	15.2	119.0	25.6	0.0	134.2	1
1K	111	817	-26	-8	0	-81	35	15.2	47.1	1.0	0.0	62.3	1
1L	111	817	29	-8	0	-81	-29	15.2	42.3	1.1	0.0	57.5	1
1M	111	2593	-26	302	0	-379	35	48.2	123.8	25.6	0.0	172.0	1
1N	111	2593	29	302	0	-379	-29	48.2	119.0	25.6	0.0	167.2	1
1O	111	2593	-26	-8	0	-81	35	48.2	47.1	1.0	0.0	95.3	1
1P	111	2593	29	-8	0	-81	-29	48.2	42.3	1.1	0.0	90.5	1
2	111	8967	-14	598	0	-1003	-9	166.7	265.2	50.7	0.0	431.9	1
7	111	7142	-12	458	0	-781	-9	132.8	207.8	38.8	0.0	340.5	1
8	111	6870	-7	469	0	-780	-4	127.7	203.7	39.7	0.0	331.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	753	238	20	23	23	14	1.00	1.00	90.4	
1B	753	238	26	23	23	14	1.00	1.00	94.3	
1C	753	93	20	23	23	14	1.00	1.00	53.2	
1D	753	93	26	23	23	14	1.00	1.00	57.1	
1E	2657	238	20	23	23	14	1.00	1.00	125.8	
1F	2657	238	26	23	23	14	1.00	1.00	129.7	
1G	2657	93	20	23	23	14	1.00	1.00	88.6	
1H	2657	93	26	23	23	14	1.00	1.00	92.5	
1I	817	243	24	23	23	14	1.00	1.00	95.7	
1J	817	243	19	23	23	14	1.00	1.00	91.8	
1K	817	91	24	23	23	14	1.00	1.00	56.6	
1L	817	91	19	23	23	14	1.00	1.00	52.7	
1M	2593	243	24	23	23	14	1.00	1.00	128.7	
1N	2593	243	19	23	23	14	1.00	1.00	124.8	
1O	2593	91	24	23	23	14	1.00	1.00	89.6	
1P	2593	91	19	23	23	14	1.00	1.00	85.7	
2	8967	738	4	23	23	14	1.00	1.00	359.5	
7	7142	578	4	23	23	14	1.00	1.00	284.4	
8	6870	572	2	23	23	14	1.00	1.00	276.2	

ASTA NUM. 296 NI 516 NF 517 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1108	3	-202	0	-161	10	20.6	48.8	17.1	0.0	69.4	1	
1B	0	-1108	16	-202	0	-161	-30	20.6	63.5	17.1	0.0	84.1	1	
1C	0	-1108	3	-433	0	-327	10	20.6	91.6	36.7	0.0	112.2	1	
1D	0	-1108	16	-433	0	-327	-30	20.6	106.2	36.7	0.0	126.8	1	
1E	0	2890	3	-202	0	-161	10	53.7	48.8	17.1	0.0	102.5	1	
1F	0	2890	16	-202	0	-161	-30	53.7	63.5	17.1	0.0	117.2	1	
1G	0	2890	3	-433	0	-327	10	53.7	91.6	36.7	0.0	145.3	1	
1H	0	2890	16	-433	0	-327	-30	53.7	106.2	36.7	0.0	160.0	1	
1I	0	-151	-3	-218	0	-131	8	2.8	39.6	18.5	0.0	43.7	3	
1J	0	-151	22	-218	0	-131	-27	2.8	54.2	18.5	0.0	57.1	1	
1K	0	-151	-3	-417	0	-357	8	2.8	97.6	35.3	0.0	100.9	3	
1L	0	-151	22	-417	0	-357	-27	2.8	112.3	35.3	0.0	115.1	1	
1M	0	1933	-3	-218	0	-131	8	35.9	39.6	18.5	0.0	75.5	1	
1N	0	1933	22	-218	0	-131	-27	35.9	54.2	18.5	0.0	90.2	1	
1O	0	1933	-3	-417	0	-357	8	35.9	97.6	35.3	0.0	133.6	1	
1P	0	1933	22	-417	0	-357	-27	35.9	112.3	35.3	0.0	148.2	1	
2	0	4290	35	-1459	0	-1084	-36	79.7	305.9	123.7	0.0	385.6	1	
7	0	3327	30	-1148	0	-847	-31	61.8	241.5	97.3	0.0	303.4	1	
8	0	3294	27	-1129	0	-841	-28	61.2	237.6	95.7	0.0	298.8	1	
1A	55	-1084	3	-202	0	48	12	20.2	21.4	17.1	0.0	41.6	1	
1B	55	-1084	16	-202	0	48	-21	20.2	28.2	17.1	0.0	48.3	1	
1C	55	-1084	3	-433	0	-185	12	20.2	56.5	36.7	0.0	84.4	3	
1D	55	-1084	16	-433	0	-185	-21	20.2	63.3	36.7	0.0	84.6	3	

1E	55	2913	3	-202	0	48	12	54.2	21.4	17.1	0.0	75.6	1
1F	55	2913	16	-202	0	48	-21	54.2	28.2	17.1	0.0	82.3	1
1G	55	2913	3	-433	0	-185	12	54.2	56.5	36.7	0.0	112.1	3
1H	55	2913	16	-433	0	-185	-21	54.2	63.3	36.7	0.0	117.4	1
1I	55	-128	-3	-218	0	24	7	2.4	11.1	18.5	0.0	32.2	4
1J	55	-128	22	-218	0	24	-16	2.4	17.8	18.5	0.0	32.2	4
1K	55	-128	-3	-417	0	-160	7	2.4	46.2	35.3	0.0	66.9	3
1L	55	-128	22	-417	0	-160	-16	2.4	52.9	35.3	0.0	67.1	3
1M	55	1957	-3	-218	0	24	7	36.4	11.1	18.5	0.0	50.7	3
1N	55	1957	22	-218	0	24	-16	36.4	17.8	18.5	0.0	54.2	1
1O	55	1957	-3	-417	0	-160	7	36.4	46.2	35.3	0.0	91.2	3
1P	55	1957	22	-417	0	-160	-16	36.4	52.9	35.3	0.0	91.4	3
2	55	4320	35	-1459	0	-277	-17	80.3	83.7	123.7	0.0	238.3	3
7	55	3358	30	-1148	0	-212	-15	62.4	65.5	97.3	0.0	186.3	3
8	55	3324	27	-1129	0	-217	-13	61.8	65.5	95.7	0.0	184.6	3
1A	111	-1061	3	-202	0	257	14	19.7	76.8	17.1	0.0	96.5	1
1B	111	-1061	16	-202	0	257	-13	19.7	75.6	17.1	0.0	95.3	1
1C	111	-1061	3	-433	0	-42	14	19.7	21.5	36.7	0.0	66.7	4
1D	111	-1061	16	-433	0	-42	-13	19.7	20.3	36.7	0.0	66.7	4
1E	111	2937	3	-202	0	257	14	54.6	76.8	17.1	0.0	131.4	1
1F	111	2937	16	-202	0	257	-13	54.6	75.6	17.1	0.0	130.2	1
1G	111	2937	3	-433	0	-42	14	54.6	21.5	36.7	0.0	85.7	3
1H	111	2937	16	-433	0	-42	-13	54.6	20.3	36.7	0.0	85.7	3
1I	111	-104	-3	-218	0	179	5	1.9	50.0	18.5	0.0	52.0	1
1J	111	-104	22	-218	0	179	-4	1.9	48.9	18.5	0.0	51.7	3
1K	111	-104	-3	-417	0	36	5	1.9	13.5	35.3	0.0	61.2	4
1L	111	-104	22	-417	0	36	-4	1.9	12.3	35.3	0.0	61.2	4
1M	111	1980	-3	-218	0	179	5	36.8	50.0	18.5	0.0	86.9	1
1N	111	1980	22	-218	0	179	-4	36.8	48.9	18.5	0.0	85.7	1
1O	111	1980	-3	-417	0	36	5	36.8	13.5	35.3	0.0	71.5	4
1P	111	1980	22	-417	0	36	-4	36.8	12.3	35.3	0.0	71.4	4
2	111	4351	35	-1459	0	531	3	80.9	138.5	123.7	0.0	277.8	3
7	111	3388	30	-1148	0	423	2	63.0	110.6	97.3	0.0	219.1	3
8	111	3355	27	-1129	0	408	2	62.4	106.5	95.7	0.0	214.3	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1108	103	12	23	23	14	1.03	1.00	57.0	
1B	-1108	103	23	23	23	14	1.03	1.00	64.7	
1C	-1108	213	12	23	23	14	1.03	1.00	85.4	
1D	-1108	213	23	23	23	14	1.03	1.00	93.1	
1E	2937	103	12	23	23	14	1.00	1.00	90.4	
1F	2937	103	23	23	23	14	1.00	1.00	98.1	
1G	2937	213	12	23	23	14	1.00	1.00	118.7	
1H	2937	213	23	23	23	14	1.00	1.00	126.5	
1I	-151	71	7	23	23	14	1.03	1.00	26.4	
1J	-151	71	18	23	23	14	1.03	1.00	34.8	
1K	-151	199	7	23	23	14	1.03	1.00	59.4	
1L	-151	199	18	23	23	14	1.03	1.00	67.7	
1M	1980	71	7	23	23	14	1.00	1.00	60.3	
1N	1980	71	18	23	23	14	1.00	1.00	68.7	
1O	1980	199	7	23	23	14	1.00	1.00	93.3	
1P	1980	199	18	23	23	14	1.00	1.00	101.6	
2	4351	438	21	23	23	14	1.00	1.00	209.0	
7	3388	339	18	23	23	14	1.00	1.00	163.7	
8	3355	342	16	23	23	14	1.00	1.00	162.3	

ASTA NUM. 297 NI 469 NF 470 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-21341	-16	322	0	394	19	396.7	115.6	27.3	0.0	512.2	1	
1B	0	-21341	32	322	0	394	-4	396.7	104.3	27.3	0.0	500.9	1	
1C	0	-21341	-16	-154	0	-255	19	396.7	79.9	13.0	0.0	476.6	1	
1D	0	-21341	32	-154	0	-255	-4	396.7	68.6	13.0	0.0	465.3	1	
1E	0	14311	-16	322	0	394	19	266.0	115.6	27.3	0.0	381.6	1	
1F	0	14311	32	322	0	394	-4	266.0	104.3	27.3	0.0	370.3	1	
1G	0	14311	-16	-154	0	-255	19	266.0	79.9	13.0	0.0	345.9	1	
1H	0	14311	32	-154	0	-255	-4	266.0	68.6	13.0	0.0	334.6	1	
1I	0	-22258	-21	238	0	490	31	413.7	148.8	20.2	0.0	562.6	1	
1J	0	-22258	37	238	0	490	-15	413.7	137.5	20.2	0.0	551.3	1	
1K	0	-22258	-21	-69	0	-351	31	413.7	113.2	5.9	0.0	526.9	1	
1L	0	-22258	37	-69	0	-351	-15	413.7	101.9	5.9	0.0	515.6	1	
1M	0	15228	-21	238	0	490	31	283.0	148.8	20.2	0.0	431.9	1	
1N	0	15228	37	238	0	490	-15	283.0	137.5	20.2	0.0	420.6	1	
1O	0	15228	-21	-69	0	-351	31	283.0	113.2	5.9	0.0	396.2	1	
1P	0	15228	37	-69	0	-351	-15	283.0	101.9	5.9	0.0	384.9	1	
2	0	-4879	3	277	0	90	4	90.7	25.7	23.5	0.0	117.1	3	
7	0	-3104	3	218	0	48	3	57.7	14.7	18.5	0.0	74.5	3	
8	0	-4523	5	226	0	83	5	84.1	25.3	19.1	0.0	109.3	1	
1A	55	-21318	-16	322	0	237	36	396.2	88.1	27.3	0.0	484.4	1	
1B	55	-21318	32	322	0	237	-12	396.2	70.2	27.3	0.0	466.4	1	
1C	55	-21318	-16	-154	0	-192	36	396.2	76.5	13.0	0.0	472.7	1	
1D	55	-21318	32	-154	0	-192	-12	396.2	58.6	13.0	0.0	454.8	1	
1E	55	14334	-16	322	0	237	36	266.4	88.1	27.3	0.0	354.6	1	

1F	55	14334	32	322	0	237	-12	266.4	70.2	27.3	0.0	336.6	1
1G	55	14334	-16	-154	0	-192	36	266.4	76.5	13.0	0.0	342.9	1
1H	55	14334	32	-154	0	-192	-12	266.4	58.6	13.0	0.0	325.0	1
1I	55	-22234	-21	238	0	365	51	413.3	131.9	20.2	0.0	545.2	1
1J	55	-22234	37	238	0	365	-27	413.3	114.0	20.2	0.0	527.3	1
1K	55	-22234	-21	-69	0	-319	51	413.3	120.3	5.9	0.0	533.6	1
1L	55	-22234	37	-69	0	-319	-27	413.3	102.4	5.9	0.0	515.7	1
1M	55	15252	-21	238	0	365	51	283.5	131.9	20.2	0.0	415.4	1
1N	55	15252	37	238	0	365	-27	283.5	114.0	20.2	0.0	397.5	1
1O	55	15252	-21	-69	0	-319	51	283.5	120.3	5.9	0.0	403.8	1
1P	55	15252	37	-69	0	-319	-27	283.5	102.4	5.9	0.0	385.9	1
2	55	-4849	3	277	0	-64	5	90.1	20.3	23.5	0.0	110.9	3
7	55	-3074	3	218	0	-72	5	57.1	22.1	18.5	0.0	79.2	1
8	55	-4492	5	226	0	-42	8	83.5	16.8	19.1	0.0	100.3	1
1A	111	-21294	-16	322	0	80	53	395.8	60.7	27.3	0.0	456.5	1
1B	111	-21294	32	322	0	80	-21	395.8	36.1	27.3	0.0	431.9	1
1C	111	-21294	-16	-154	0	-129	53	395.8	73.1	13.0	0.0	468.9	1
1D	111	-21294	32	-154	0	-129	-21	395.8	48.5	13.0	0.0	444.3	1
1E	111	14358	-16	322	0	80	53	266.9	60.7	27.3	0.0	327.6	1
1F	111	14358	32	322	0	80	-21	266.9	36.1	27.3	0.0	303.0	1
1G	111	14358	-16	-154	0	-129	53	266.9	73.1	13.0	0.0	339.9	1
1H	111	14358	32	-154	0	-129	-21	266.9	48.5	13.0	0.0	315.4	1
1I	111	-22211	-21	238	0	240	71	412.8	115.0	20.2	0.0	527.9	1
1J	111	-22211	37	238	0	240	-38	412.8	90.5	20.2	0.0	503.3	1
1K	111	-22211	-21	-69	0	-288	71	412.8	127.4	5.9	0.0	540.3	1
1L	111	-22211	37	-69	0	-288	-38	412.8	102.9	5.9	0.0	515.7	1
1M	111	15275	-21	238	0	240	71	283.9	115.0	20.2	0.0	399.0	1
1N	111	15275	37	238	0	240	-38	283.9	90.5	20.2	0.0	374.4	1
1O	111	15275	-21	-69	0	-288	71	283.9	127.4	5.9	0.0	411.3	1
1P	111	15275	37	-69	0	-288	-38	283.9	102.9	5.9	0.0	386.8	1
2	111	-4819	3	277	0	-217	7	89.6	61.0	23.5	0.0	150.6	1
7	111	-3043	3	218	0	-193	6	56.6	54.3	18.5	0.0	110.8	1
8	111	-4462	5	226	0	-167	11	82.9	51.0	19.1	0.0	133.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-21341	268	40	23	23	14	1.03	1.00	507.9	
1B	-21341	268	14	23	23	14	1.03	1.00	488.4	
1C	-21341	204	40	23	23	14	1.03	1.00	491.4	
1D	-21341	204	14	23	23	14	1.03	1.00	471.9	
1E	14358	268	40	23	23	14	1.00	1.00	365.6	
1F	14358	268	14	23	23	14	1.00	1.00	346.4	
1G	14358	204	40	23	23	14	1.00	1.00	349.2	
1H	14358	204	14	23	23	14	1.00	1.00	329.9	
1I	-22258	390	55	23	23	14	1.03	1.00	568.4	
1J	-22258	390	29	23	23	14	1.03	1.00	548.9	
1K	-22258	326	55	23	23	14	1.03	1.00	551.9	
1L	-22258	326	29	23	23	14	1.03	1.00	532.4	
1M	15275	390	55	23	23	14	1.00	1.00	425.3	
1N	15275	390	29	23	23	14	1.00	1.00	406.1	
1O	15275	326	55	23	23	14	1.00	1.00	408.9	
1P	15275	326	29	23	23	14	1.00	1.00	389.7	
2	-4879	94	6	23	23	14	1.03	1.00	121.9	
7	-3104	96	5	23	23	14	1.03	1.00	88.0	
8	-4523	67	9	23	23	14	1.03	1.00	110.2	

ASTA NUM. 298 NI 470 NF 471 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7787	-23	167	0	161	40	144.7	71.7	14.2	0.0	216.5	1	
1B	0	-7787	13	167	0	161	-19	144.7	55.9	14.2	0.0	200.6	1	
1C	0	-7787	-23	-167	0	-173	40	144.7	74.8	14.1	0.0	219.5	1	
1D	0	-7787	13	-167	0	-173	-19	144.7	59.0	14.1	0.0	203.7	1	
1E	0	6038	-23	167	0	161	40	112.2	71.7	14.2	0.0	183.9	1	
1F	0	6038	13	167	0	161	-19	112.2	55.9	14.2	0.0	168.1	1	
1G	0	6038	-23	-167	0	-173	40	112.2	74.8	14.1	0.0	187.0	1	
1H	0	6038	13	-167	0	-173	-19	112.2	59.0	14.1	0.0	171.2	1	
1I	0	-11077	-42	155	0	341	61	205.9	133.8	13.2	0.0	339.6	1	
1J	0	-11077	32	155	0	341	-40	205.9	117.9	13.2	0.0	323.8	1	
1K	0	-11077	-42	-155	0	-353	61	205.9	136.8	13.1	0.0	342.7	1	
1L	0	-11077	32	-155	0	-353	-40	205.9	121.0	13.1	0.0	326.9	1	
1M	0	9327	-42	155	0	341	61	173.4	133.8	13.2	0.0	307.1	1	
1N	0	9327	32	155	0	341	-40	173.4	117.9	13.2	0.0	291.3	1	
1O	0	9327	-42	-155	0	-353	61	173.4	136.8	13.1	0.0	310.2	1	
1P	0	9327	32	-155	0	-353	-40	173.4	121.0	13.1	0.0	294.4	1	
2	0	946	8	1	0	-140	-2	17.6	37.1	0.3	0.0	54.7	1	
7	0	1433	8	-13	0	-141	-2	26.6	38.0	1.1	0.0	64.6	1	
8	0	503	4	-2	0	-108	3	9.4	29.6	0.2	0.0	38.9	1	
1A	55	-7764	-23	167	0	5	28	144.3	22.4	14.2	0.0	166.7	1	
1B	55	-7764	13	167	0	5	-13	144.3	10.7	14.2	0.0	155.1	1	
1C	55	-7764	-23	-167	0	-17	28	144.3	25.5	14.1	0.0	169.8	1	
1D	55	-7764	13	-167	0	-17	-13	144.3	13.9	14.1	0.0	158.2	1	
1E	55	6061	-23	167	0	5	28	112.7	22.4	14.2	0.0	135.0	1	
1F	55	6061	13	167	0	5	-13	112.7	10.7	14.2	0.0	123.4	1	

1G	55	6061	-23	-167	0	-17	28	112.7	25.5	14.1	0.0	138.2	1
1H	55	6061	13	-167	0	-17	-13	112.7	13.9	14.1	0.0	126.6	1
1I	55	-11053	-42	155	0	280	39	205.5	100.8	13.2	0.0	306.3	1
1J	55	-11053	32	155	0	280	-23	205.5	89.2	13.2	0.0	294.7	1
1K	55	-11053	-42	-155	0	-292	39	205.5	104.0	13.1	0.0	309.4	1
1L	55	-11053	32	-155	0	-292	-23	205.5	92.4	13.1	0.0	297.8	1
1M	55	9350	-42	155	0	280	39	173.8	100.8	13.2	0.0	274.6	1
1N	55	9350	32	155	0	280	-23	173.8	89.2	13.2	0.0	263.0	1
1O	55	9350	-42	-155	0	-292	39	173.8	104.0	13.1	0.0	277.8	1
1P	55	9350	32	-155	0	-292	-23	173.8	92.4	13.1	0.0	266.2	1
2	55	976	8	1	0	-141	3	18.1	38.4	0.3	0.0	56.5	1
7	55	1464	8	-13	0	-134	2	27.2	36.0	1.1	0.0	63.2	1
8	55	534	4	-2	0	-106	5	9.9	31.0	0.2	0.0	40.9	1
1A	111	-7741	-23	167	0	-151	16	143.9	50.5	14.2	0.0	194.4	1
1B	111	-7741	13	167	0	-151	-6	143.9	43.1	14.2	0.0	187.0	1
1C	111	-7741	-23	-167	0	138	16	143.9	47.3	14.1	0.0	191.2	1
1D	111	-7741	13	-167	0	138	-6	143.9	39.9	14.1	0.0	183.8	1
1E	111	6084	-23	167	0	-151	16	113.1	50.5	14.2	0.0	163.6	1
1F	111	6084	13	167	0	-151	-6	113.1	43.1	14.2	0.0	156.2	1
1G	111	6084	-23	-167	0	138	16	113.1	47.3	14.1	0.0	160.4	1
1H	111	6084	13	-167	0	138	-6	113.1	39.9	14.1	0.0	153.0	1
1I	111	-11030	-42	155	0	218	16	205.0	67.9	13.2	0.0	273.0	1
1J	111	-11030	32	155	0	218	-6	205.0	60.6	13.2	0.0	265.6	1
1K	111	-11030	-42	-155	0	-231	16	205.0	71.2	13.1	0.0	276.2	1
1L	111	-11030	32	-155	0	-231	-6	205.0	63.8	13.1	0.0	268.8	1
1M	111	9374	-42	155	0	218	16	174.2	67.9	13.2	0.0	242.2	1
1N	111	9374	32	155	0	218	-6	174.2	60.6	13.2	0.0	234.8	1
1O	111	9374	-42	-155	0	-231	16	174.2	71.2	13.1	0.0	245.4	1
1P	111	9374	32	-155	0	-231	-6	174.2	63.8	13.1	0.0	238.0	1
2	111	1006	8	1	0	-141	7	18.7	41.9	0.3	0.0	60.6	1
7	111	1494	8	-13	0	-126	7	27.8	37.5	1.1	0.0	65.3	1
8	111	564	4	-2	0	-105	7	10.5	32.5	0.2	0.0	42.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7787	64	31	23	23	14	1.03	1.00	188.6	
1B	-7787	64	14	23	23	14	1.03	1.00	176.2	
1C	-7787	69	31	23	23	14	1.03	1.00	189.9	
1D	-7787	69	14	23	23	14	1.03	1.00	177.4	
1E	6084	64	31	23	23	14	1.00	1.00	152.5	
1F	6084	64	14	23	23	14	1.00	1.00	140.1	
1G	6084	69	31	23	23	14	1.00	1.00	153.8	
1H	6084	69	14	23	23	14	1.00	1.00	141.3	
1I	-11077	292	43	23	23	14	1.03	1.00	319.8	
1J	-11077	292	27	23	23	14	1.03	1.00	307.3	
1K	-11077	304	43	23	23	14	1.03	1.00	323.0	
1L	-11077	304	27	23	23	14	1.03	1.00	310.4	
1M	9374	292	43	23	23	14	1.00	1.00	281.7	
1N	9374	292	27	23	23	14	1.00	1.00	269.2	
1O	9374	304	43	23	23	14	1.00	1.00	284.8	
1P	9374	304	27	23	23	14	1.00	1.00	272.4	
2	1006	141	4	23	23	14	1.00	1.00	57.8	
7	1494	135	3	23	23	14	1.00	1.00	64.8	
8	564	107	5	23	23	14	1.00	1.00	41.9	

ASTA NUM. 299 NI 471 NF 472 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7710	-23	151	0	147	13	143.3	47.7	12.8	0.0	191.0	1	
1B	0	-7710	13	151	0	147	-4	143.3	40.9	12.8	0.0	184.2	1	
1C	0	-7710	-23	-22	0	-122	13	143.3	41.3	1.9	0.0	184.6	1	
1D	0	-7710	13	-22	0	-122	-4	143.3	34.5	1.9	0.0	177.8	1	
1E	0	6206	-23	151	0	147	13	115.4	47.7	12.8	0.0	163.0	1	
1F	0	6206	13	151	0	147	-4	115.4	40.9	12.8	0.0	156.3	1	
1G	0	6206	-23	-22	0	-122	13	115.4	41.3	1.9	0.0	156.6	1	
1H	0	6206	13	-22	0	-122	-4	115.4	34.5	1.9	0.0	149.8	1	
1I	0	-10704	-42	203	0	300	18	199.0	90.7	17.2	0.0	289.6	1	
1J	0	-10704	31	203	0	300	-9	199.0	83.9	17.2	0.0	282.9	1	
1K	0	-10704	-42	-74	0	-275	18	199.0	84.2	6.3	0.0	283.2	1	
1L	0	-10704	31	-74	0	-275	-9	199.0	77.5	6.3	0.0	276.4	1	
1M	0	9201	-42	203	0	300	18	171.0	90.7	17.2	0.0	261.7	1	
1N	0	9201	31	203	0	300	-9	171.0	83.9	17.2	0.0	254.9	1	
1O	0	9201	-42	-74	0	-275	18	171.0	84.2	6.3	0.0	255.3	1	
1P	0	9201	31	-74	0	-275	-9	171.0	77.5	6.3	0.0	248.5	1	
2	0	1307	7	250	0	-66	3	24.3	19.6	21.2	0.0	51.3	3	
7	0	1699	8	186	0	-76	3	31.6	21.6	15.7	0.0	54.7	3	
8	0	798	4	198	0	-47	4	14.8	15.3	16.8	0.0	36.5	3	
1A	55	-7686	-23	151	0	70	-0	142.9	18.2	12.8	0.0	161.1	1	
1B	55	-7686	13	151	0	70	4	142.9	20.7	12.8	0.0	163.6	1	
1C	55	-7686	-23	-22	0	-117	-0	142.9	30.2	1.9	0.0	173.1	1	
1D	55	-7686	13	-22	0	-117	4	142.9	32.7	1.9	0.0	175.6	1	
1E	55	6229	-23	151	0	70	-0	115.8	18.2	12.8	0.0	134.0	1	
1F	55	6229	13	151	0	70	4	115.8	20.7	12.8	0.0	136.5	1	
1G	55	6229	-23	-22	0	-117	-0	115.8	30.2	1.9	0.0	146.0	1	

1H	55	6229	13	-22	0	-117	4	115.8	32.7	1.9	0.0	148.5	1
1I	55	-10681	-42	203	0	190	-5	198.5	52.7	17.2	0.0	251.3	1
1J	55	-10681	31	203	0	190	9	198.5	55.2	17.2	0.0	253.7	1
1K	55	-10681	-42	-74	0	-236	-5	198.5	64.7	6.3	0.0	263.2	1
1L	55	-10681	31	-74	0	-236	9	198.5	67.2	6.3	0.0	265.7	1
1M	55	9224	-42	203	0	190	-5	171.5	52.7	17.2	0.0	224.2	1
1N	55	9224	31	203	0	190	9	171.5	55.2	17.2	0.0	226.7	1
1O	55	9224	-42	-74	0	-236	-5	171.5	64.7	6.3	0.0	236.2	1
1P	55	9224	31	-74	0	-236	9	171.5	67.2	6.3	0.0	238.6	1
2	55	1338	7	250	0	-205	8	24.9	58.4	21.2	0.0	83.2	1
7	55	1730	8	186	0	-178	7	32.1	51.1	15.7	0.0	83.3	1
8	55	828	4	198	0	-157	6	15.4	45.0	16.8	0.0	60.4	1
1A	111	-7663	-23	151	0	-7	-14	142.4	11.9	12.8	0.0	154.3	1
1B	111	-7663	13	151	0	-7	11	142.4	10.1	12.8	0.0	152.5	1
1C	111	-7663	-23	-22	0	-111	-14	142.4	38.7	1.9	0.0	181.2	1
1D	111	-7663	13	-22	0	-111	11	142.4	36.9	1.9	0.0	179.4	1
1E	111	6253	-23	151	0	-7	-14	116.2	11.9	12.8	0.0	128.1	1
1F	111	6253	13	151	0	-7	11	116.2	10.1	12.8	0.0	126.3	1
1G	111	6253	-23	-22	0	-111	-14	116.2	38.7	1.9	0.0	155.0	1
1H	111	6253	13	-22	0	-111	11	116.2	36.9	1.9	0.0	153.2	1
1I	111	-10658	-42	203	0	80	-28	198.1	41.8	17.2	0.0	239.9	1
1J	111	-10658	31	203	0	80	26	198.1	40.0	17.2	0.0	238.1	1
1K	111	-10658	-42	-74	0	-198	-28	198.1	72.1	6.3	0.0	270.2	1
1L	111	-10658	31	-74	0	-198	26	198.1	70.3	6.3	0.0	268.4	1
1M	111	9247	-42	203	0	80	-28	171.9	41.8	17.2	0.0	213.6	1
1N	111	9247	31	203	0	80	26	171.9	40.0	17.2	0.0	211.8	1
1O	111	9247	-42	-74	0	-198	-28	171.9	72.1	6.3	0.0	244.0	1
1P	111	9247	31	-74	0	-198	26	171.9	70.3	6.3	0.0	242.2	1
2	111	1368	7	250	0	-344	12	25.4	97.1	21.2	0.0	122.5	1
7	111	1760	8	186	0	-281	11	32.7	80.7	15.7	0.0	113.4	1
8	111	859	4	198	0	-267	8	16.0	74.7	16.8	0.0	90.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7710	86	5	23	23	14	1.03	1.00	173.7	
1B	-7710	86	5	23	23	14	1.03	1.00	173.5	
1C	-7710	118	5	23	23	14	1.03	1.00	182.0	
1D	-7710	118	5	23	23	14	1.03	1.00	181.8	
1E	6253	86	5	23	23	14	1.00	1.00	142.3	
1F	6253	86	5	23	23	14	1.00	1.00	142.0	
1G	6253	118	5	23	23	14	1.00	1.00	150.6	
1H	6253	118	5	23	23	14	1.00	1.00	150.3	
1I	-10704	212	11	23	23	14	1.03	1.00	268.1	
1J	-10704	212	12	23	23	14	1.03	1.00	268.6	
1K	-10704	244	11	23	23	14	1.03	1.00	276.4	
1L	-10704	244	12	23	23	14	1.03	1.00	276.9	
1M	9247	212	11	23	23	14	1.00	1.00	234.9	
1N	9247	212	12	23	23	14	1.00	1.00	235.4	
1O	9247	244	11	23	23	14	1.00	1.00	243.2	
1P	9247	244	12	23	23	14	1.00	1.00	243.7	
2	1368	233	8	23	23	14	1.00	1.00	91.5	
7	1760	199	8	23	23	14	1.00	1.00	89.8	
8	859	179	7	23	23	14	1.00	1.00	66.9	

ASTA NUM. 300 NI 472 NF 473 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7285	-17	186	0	65	6	135.4	21.3	15.8	0.0	156.7	1	
1B	0	-7285	26	186	0	65	-16	135.4	29.1	15.8	0.0	164.5	1	
1C	0	-7285	-17	-185	0	-145	6	135.4	41.7	15.7	0.0	177.1	1	
1D	0	-7285	26	-185	0	-145	-16	135.4	49.5	15.7	0.0	184.9	1	
1E	0	8004	-17	186	0	65	6	148.8	21.3	15.8	0.0	170.0	1	
1F	0	8004	26	186	0	65	-16	148.8	29.1	15.8	0.0	177.8	1	
1G	0	8004	-17	-185	0	-145	6	148.8	41.7	15.7	0.0	190.5	1	
1H	0	8004	26	-185	0	-145	-16	148.8	49.5	15.7	0.0	198.3	1	
1I	0	-6187	-9	159	0	179	17	115.0	59.1	13.5	0.0	174.1	1	
1J	0	-6187	18	159	0	179	-28	115.0	66.8	13.5	0.0	181.8	1	
1K	0	-6187	-9	-158	0	-259	17	115.0	79.5	13.4	0.0	194.5	1	
1L	0	-6187	18	-158	0	-259	-28	115.0	87.3	13.4	0.0	202.3	1	
1M	0	6906	-9	159	0	179	17	128.4	59.1	13.5	0.0	187.4	1	
1N	0	6906	18	159	0	179	-28	128.4	66.8	13.5	0.0	195.2	1	
1O	0	6906	-9	-158	0	-259	17	128.4	79.5	13.4	0.0	207.9	1	
1P	0	6906	18	-158	0	-259	-28	128.4	87.3	13.4	0.0	215.6	1	
2	0	5581	7	2	0	-267	0	103.7	68.9	0.2	0.0	172.6	1	
7	0	4632	6	-12	0	-229	0	86.1	59.2	1.0	0.0	145.3	1	
8	0	4135	6	-1	0	-207	-1	76.9	54.4	0.2	0.0	131.2	1	
1A	55	-7261	-17	186	0	-64	-7	135.0	21.9	15.8	0.0	156.9	1	
1B	55	-7261	26	186	0	-64	2	135.0	17.8	15.8	0.0	152.8	1	
1C	55	-7261	-17	-185	0	-16	-7	135.0	9.8	15.7	0.0	144.7	1	
1D	55	-7261	26	-185	0	-16	2	135.0	5.6	15.7	0.0	140.8	3	
1E	55	8027	-17	186	0	-64	-7	149.2	21.9	15.8	0.0	171.2	1	
1F	55	8027	26	186	0	-64	2	149.2	17.8	15.8	0.0	167.0	1	
1G	55	8027	-17	-185	0	-16	-7	149.2	9.8	15.7	0.0	159.0	1	
1H	55	8027	26	-185	0	-16	2	149.2	5.6	15.7	0.0	154.9	3	

1I	55	-6164	-9	159	0	130	17	114.6	46.5	13.5	0.0	161.1	1
1J	55	-6164	18	159	0	130	-23	114.6	50.6	13.5	0.0	165.2	1
1K	55	-6164	-9	-158	0	-210	17	114.6	67.1	13.4	0.0	181.6	1
1L	55	-6164	18	-158	0	-210	-23	114.6	71.2	13.4	0.0	185.8	1
1M	55	6930	-9	159	0	130	17	128.8	46.5	13.5	0.0	175.3	1
1N	55	6930	18	159	0	130	-23	128.8	50.6	13.5	0.0	179.4	1
1O	55	6930	-9	-158	0	-210	17	128.8	67.1	13.4	0.0	195.9	1
1P	55	6930	18	-158	0	-210	-23	128.8	71.2	13.4	0.0	200.0	1
2	55	5612	7	2	0	-268	4	104.3	71.9	0.2	0.0	176.2	1
7	55	4662	6	-12	0	-222	4	86.7	59.8	1.0	0.0	146.5	1
8	55	4166	6	-1	0	-207	2	77.4	54.6	0.2	0.0	132.0	1
1A	111	-7238	-17	186	0	-193	-21	134.5	65.2	15.8	0.0	199.7	1
1B	111	-7238	26	186	0	-193	20	134.5	64.7	15.8	0.0	199.2	1
1C	111	-7238	-17	-185	0	112	-21	134.5	44.4	15.7	0.0	179.0	1
1D	111	-7238	26	-185	0	112	20	134.5	43.9	15.7	0.0	178.5	1
1E	111	8051	-17	186	0	-193	-21	149.6	65.2	15.8	0.0	214.8	1
1F	111	8051	26	186	0	-193	20	149.6	64.7	15.8	0.0	214.3	1
1G	111	8051	-17	-185	0	112	-21	149.6	44.4	15.7	0.0	194.1	1
1H	111	8051	26	-185	0	112	20	149.6	43.9	15.7	0.0	193.6	1
1I	111	-6140	-9	159	0	80	18	114.1	33.9	13.5	0.0	148.1	1
1J	111	-6140	18	159	0	80	-18	114.1	34.4	13.5	0.0	148.6	1
1K	111	-6140	-9	-158	0	-161	18	114.1	54.7	13.4	0.0	168.8	1
1L	111	-6140	18	-158	0	-161	-18	114.1	55.2	13.4	0.0	169.3	1
1M	111	6953	-9	159	0	80	18	129.2	33.9	13.5	0.0	163.2	1
1N	111	6953	18	159	0	80	-18	129.2	34.4	13.5	0.0	163.7	1
1O	111	6953	-9	-158	0	-161	18	129.2	54.7	13.4	0.0	183.9	1
1P	111	6953	18	-158	0	-161	-18	129.2	55.2	13.4	0.0	184.4	1
2	111	5642	7	2	0	-270	7	104.9	75.0	0.2	0.0	179.8	1
7	111	4693	6	-12	0	-215	7	87.2	60.4	1.0	0.0	147.6	1
8	111	4196	6	-1	0	-206	5	78.0	56.9	0.2	0.0	134.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7285	89	10	23	23	14	1.03	1.00	170.1	
1B	-7285	89	8	23	23	14	1.03	1.00	168.6	
1C	-7285	58	10	23	23	14	1.03	1.00	162.0	
1D	-7285	58	8	23	23	14	1.03	1.00	160.4	
1E	8051	89	10	23	23	14	1.00	1.00	180.2	
1F	8051	89	8	23	23	14	1.00	1.00	178.7	
1G	8051	58	10	23	23	14	1.00	1.00	172.1	
1H	8051	58	8	23	23	14	1.00	1.00	170.6	
1I	-6187	140	18	23	23	14	1.03	1.00	167.6	
1J	-6187	140	24	23	23	14	1.03	1.00	172.4	
1K	-6187	220	18	23	23	14	1.03	1.00	188.2	
1L	-6187	220	24	23	23	14	1.03	1.00	193.0	
1M	6953	140	18	23	23	14	1.00	1.00	178.3	
1N	6953	140	24	23	23	14	1.00	1.00	183.1	
1O	6953	220	18	23	23	14	1.00	1.00	198.9	
1P	6953	220	24	23	23	14	1.00	1.00	203.7	
2	5642	269	5	23	23	14	1.00	1.00	177.4	
7	4693	223	4	23	23	14	1.00	1.00	147.9	
8	4196	207	3	23	23	14	1.00	1.00	133.1	

ASTA NUM. 301 NI 473 NF 474 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7219	-37	164	0	116	11	134.2	37.9	13.9	0.0	172.1	1	
1B	0	-7219	44	164	0	116	-19	134.2	44.3	13.9	0.0	178.5	1	
1C	0	-7219	-37	-38	0	-160	11	134.2	49.1	3.2	0.0	183.2	1	
1D	0	-7219	44	-38	0	-160	-19	134.2	55.4	3.2	0.0	189.6	1	
1E	0	8184	-37	164	0	116	11	152.1	37.9	13.9	0.0	190.0	1	
1F	0	8184	44	164	0	116	-19	152.1	44.3	13.9	0.0	196.4	1	
1G	0	8184	-37	-38	0	-160	11	152.1	49.1	3.2	0.0	201.2	1	
1H	0	8184	44	-38	0	-160	-19	152.1	55.4	3.2	0.0	207.5	1	
1I	0	-5829	-14	204	0	157	10	108.3	48.1	17.3	0.0	156.4	1	
1J	0	-5829	21	204	0	157	-19	108.3	54.5	17.3	0.0	162.8	1	
1K	0	-5829	-14	-78	0	-201	10	108.3	59.2	6.6	0.0	167.6	1	
1L	0	-5829	21	-78	0	-201	-19	108.3	65.6	6.6	0.0	174.0	1	
1M	0	6794	-14	204	0	157	10	126.3	48.1	17.3	0.0	174.4	1	
1N	0	6794	21	204	0	157	-19	126.3	54.5	17.3	0.0	180.7	1	
1O	0	6794	-14	-78	0	-201	10	126.3	59.2	6.6	0.0	185.5	1	
1P	0	6794	21	-78	0	-201	-19	126.3	65.6	6.6	0.0	191.9	1	
2	0	5943	6	245	0	-195	-3	110.5	52.3	20.8	0.0	162.7	1	
7	0	4898	5	181	0	-164	-3	91.0	44.4	15.4	0.0	135.4	1	
8	0	4430	5	194	0	-148	-3	82.3	40.7	16.4	0.0	123.0	1	
1A	55	-7195	-37	164	0	26	33	133.7	31.6	13.9	0.0	165.3	1	
1B	55	-7195	44	164	0	26	-38	133.7	35.0	13.9	0.0	168.8	1	
1C	55	-7195	-37	-38	0	-139	33	133.7	60.7	3.2	0.0	194.4	1	
1D	55	-7195	44	-38	0	-139	-38	133.7	64.2	3.2	0.0	197.9	1	
1E	55	8207	-37	164	0	26	33	152.5	31.6	13.9	0.0	184.1	1	
1F	55	8207	44	164	0	26	-38	152.5	35.0	13.9	0.0	187.6	1	
1G	55	8207	-37	-38	0	-139	33	152.5	60.7	3.2	0.0	213.2	1	
1H	55	8207	44	-38	0	-139	-38	152.5	64.2	3.2	0.0	216.7	1	
1I	55	-5806	-14	204	0	47	16	107.9	24.2	17.3	0.0	132.1	1	

1J	55	-5806	21	204	0	47	-21	107.9	27.7	17.3	0.0	135.6	1
1K	55	-5806	-14	-78	0	-160	16	107.9	53.3	6.6	0.0	161.2	1
1L	55	-5806	21	-78	0	-160	-21	107.9	56.8	6.6	0.0	164.7	1
1M	55	6817	-14	204	0	47	16	126.7	24.2	17.3	0.0	150.9	1
1N	55	6817	21	204	0	47	-21	126.7	27.7	17.3	0.0	154.4	1
1O	55	6817	-14	-78	0	-160	16	126.7	53.3	6.6	0.0	180.0	1
1P	55	6817	21	-78	0	-160	-21	126.7	56.8	6.6	0.0	183.5	1
2	55	5974	6	245	0	-330	0	111.0	85.3	20.8	0.0	196.3	1
7	55	4928	5	181	0	-265	-0	91.6	68.2	15.4	0.0	159.8	1
8	55	4460	5	194	0	-255	-1	82.9	66.2	16.4	0.0	149.1	1
1A	111	-7172	-37	164	0	-64	56	133.3	58.0	13.9	0.0	191.3	1
1B	111	-7172	44	164	0	-64	-56	133.3	58.6	13.9	0.0	191.9	1
1C	111	-7172	-37	-38	0	-119	56	133.3	72.3	3.2	0.0	205.6	1
1D	111	-7172	44	-38	0	-119	-56	133.3	72.9	3.2	0.0	206.2	1
1E	111	8230	-37	164	0	-64	56	153.0	58.0	13.9	0.0	211.0	1
1F	111	8230	44	164	0	-64	-56	153.0	58.6	13.9	0.0	211.6	1
1G	111	8230	-37	-38	0	-119	56	153.0	72.3	3.2	0.0	225.3	1
1H	111	8230	44	-38	0	-119	-56	153.0	72.9	3.2	0.0	225.9	1
1I	111	-5782	-14	204	0	-64	22	107.5	33.0	17.3	0.0	140.4	1
1J	111	-5782	21	204	0	-64	-23	107.5	33.5	17.3	0.0	141.0	1
1K	111	-5782	-14	-78	0	-120	22	107.5	47.4	6.6	0.0	154.9	1
1L	111	-5782	21	-78	0	-120	-23	107.5	48.0	6.6	0.0	155.5	1
1M	111	6841	-14	204	0	-64	22	127.2	33.0	17.3	0.0	160.1	1
1N	111	6841	21	204	0	-64	-23	127.2	33.5	17.3	0.0	160.7	1
1O	111	6841	-14	-78	0	-120	22	127.2	47.4	6.6	0.0	174.5	1
1P	111	6841	21	-78	0	-120	-23	127.2	48.0	6.6	0.0	175.1	1
2	111	6004	6	245	0	-466	4	111.6	122.6	20.8	0.0	234.2	1
7	111	4959	5	181	0	-365	3	92.2	95.9	15.4	0.0	188.0	1
8	111	4491	5	194	0	-363	2	83.5	94.9	16.4	0.0	178.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7219	46	38	23	23	14	1.03	1.00	178.4	
1B	-7219	46	42	23	23	14	1.03	1.00	181.4	
1C	-7219	144	38	23	23	14	1.03	1.00	203.4	
1D	-7219	144	42	23	23	14	1.03	1.00	206.4	
1E	8230	46	38	23	23	14	1.00	1.00	193.1	
1F	8230	46	42	23	23	14	1.00	1.00	196.0	
1G	8230	144	38	23	23	14	1.00	1.00	218.1	
1H	8230	144	42	23	23	14	1.00	1.00	221.0	
1I	-5829	69	17	23	23	14	1.03	1.00	142.4	
1J	-5829	69	21	23	23	14	1.03	1.00	145.3	
1K	-5829	168	17	23	23	14	1.03	1.00	168.0	
1L	-5829	168	21	23	23	14	1.03	1.00	170.9	
1M	6841	69	17	23	23	14	1.00	1.00	157.9	
1N	6841	69	21	23	23	14	1.00	1.00	160.8	
1O	6841	168	17	23	23	14	1.00	1.00	183.5	
1P	6841	168	21	23	23	14	1.00	1.00	186.4	
2	6004	358	1	23	23	14	1.00	1.00	204.7	
7	4959	285	1	23	23	14	1.00	1.00	166.3	
8	4491	277	1	23	23	14	1.00	1.00	155.7	

ASTA NUM. 302 NI 474 NF 475 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	489	-113	99	0	-25	61	9.1	52.2	8.4	0.0	61.2	1	
1B	0	489	235	99	0	-25	-93	9.1	75.8	8.8	0.0	84.9	1	
1C	0	489	-113	-27	0	-121	61	9.1	77.0	4.3	0.0	86.0	1	
1D	0	489	235	-27	0	-121	-93	9.1	100.6	8.8	0.0	109.7	1	
1E	0	5317	-113	99	0	-25	61	98.8	52.2	8.4	0.0	151.0	1	
1F	0	5317	235	99	0	-25	-93	98.8	75.8	8.8	0.0	174.6	1	
1G	0	5317	-113	-27	0	-121	61	98.8	77.0	4.3	0.0	175.8	1	
1H	0	5317	235	-27	0	-121	-93	98.8	100.6	8.8	0.0	199.4	1	
1I	0	1513	-26	185	0	14	17	28.1	16.3	15.7	0.0	44.4	1	
1J	0	1513	148	185	0	14	-48	28.1	39.9	15.7	0.0	68.0	1	
1K	0	1513	-26	-113	0	-161	17	28.1	54.0	9.6	0.0	82.1	1	
1L	0	1513	148	-113	0	-161	-48	28.1	77.6	9.6	0.0	105.7	1	
1M	0	4293	-26	185	0	14	17	79.8	16.3	15.7	0.0	96.1	1	
1N	0	4293	148	185	0	14	-48	79.8	39.9	15.7	0.0	119.7	1	
1O	0	4293	-26	-113	0	-161	17	79.8	54.0	9.6	0.0	133.7	1	
1P	0	4293	148	-113	0	-161	-48	79.8	77.6	9.6	0.0	157.4	1	
2	0	11510	77	100	0	-390	-23	213.9	117.7	8.5	0.0	331.6	1	
7	0	9219	78	67	0	-313	-23	171.4	97.9	5.7	0.0	269.2	1	
8	0	9194	78	81	0	-304	-22	170.9	94.9	6.9	0.0	265.8	1	
1A	55	512	-113	99	0	-86	-2	9.5	23.6	8.4	0.0	33.1	1	
1B	55	512	235	99	0	-86	38	9.5	50.5	8.8	0.0	60.0	1	
1C	55	512	-113	-27	0	-100	-2	9.5	27.3	4.3	0.0	36.8	1	
1D	55	512	235	-27	0	-100	38	9.5	54.2	8.8	0.0	63.7	1	
1E	55	5341	-113	99	0	-86	-2	99.3	23.6	8.4	0.0	122.8	1	
1F	55	5341	235	99	0	-86	38	99.3	50.5	8.8	0.0	149.8	1	
1G	55	5341	-113	-27	0	-100	-2	99.3	27.3	4.3	0.0	126.5	1	
1H	55	5341	235	-27	0	-100	38	99.3	54.2	8.8	0.0	153.5	1	
1I	55	1537	-26	185	0	-91	2	28.6	24.8	15.7	0.0	55.0	3	
1J	55	1537	148	185	0	-91	34	28.6	48.7	15.7	0.0	77.3	1	

1K	55	1537	-26	-113	0	-96	2	28.6	26.1	9.6	0.0	54.7	1
1L	55	1537	148	-113	0	-96	34	28.6	50.1	9.6	0.0	78.6	1
1M	55	4316	-26	185	0	-91	2	80.2	24.8	15.7	0.0	105.0	1
1N	55	4316	148	185	0	-91	34	80.2	48.7	15.7	0.0	129.0	1
1O	55	4316	-26	-113	0	-96	2	80.2	26.1	9.6	0.0	106.4	1
1P	55	4316	148	-113	0	-96	34	80.2	50.1	9.6	0.0	130.3	1
2	55	11540	77	100	0	-446	20	214.5	129.4	8.5	0.0	343.9	1
7	55	9250	78	67	0	-350	20	171.9	105.2	5.7	0.0	277.2	1
8	55	9224	78	81	0	-349	21	171.5	105.3	6.9	0.0	276.7	1
1A	111	536	-113	99	0	-147	-65	10.0	86.4	8.4	0.0	96.4	1
1B	111	536	235	99	0	-147	168	10.0	163.9	8.8	0.0	173.8	1
1C	111	536	-113	-27	0	-79	-65	10.0	69.0	4.3	0.0	79.0	1
1D	111	536	235	-27	0	-79	168	10.0	146.5	8.8	0.0	156.4	1
1E	111	5364	-113	99	0	-147	-65	99.7	86.4	8.4	0.0	186.1	1
1F	111	5364	235	99	0	-147	168	99.7	163.9	8.8	0.0	263.6	1
1G	111	5364	-113	-27	0	-79	-65	99.7	69.0	4.3	0.0	168.7	1
1H	111	5364	235	-27	0	-79	168	99.7	146.5	8.8	0.0	246.2	1
1I	111	1560	-26	185	0	-195	-13	29.0	59.9	15.7	0.0	88.9	1
1J	111	1560	148	185	0	-195	116	29.0	137.4	15.7	0.0	166.4	1
1K	111	1560	-26	-113	0	-31	-13	29.0	17.6	9.6	0.0	46.6	1
1L	111	1560	148	-113	0	-31	116	29.0	95.1	9.6	0.0	124.1	1
1M	111	4340	-26	185	0	-195	-13	80.7	59.9	15.7	0.0	140.6	1
1N	111	4340	148	185	0	-195	116	80.7	137.4	15.7	0.0	218.0	1
1O	111	4340	-26	-113	0	-31	-13	80.7	17.6	9.6	0.0	98.3	1
1P	111	4340	148	-113	0	-31	116	80.7	95.1	9.6	0.0	175.7	1
2	111	11570	77	100	0	-501	62	215.1	175.6	8.5	0.0	390.7	1
7	111	9280	78	67	0	-387	63	172.5	147.1	5.7	0.0	319.6	1
8	111	9255	78	81	0	-394	64	172.0	148.9	6.9	0.0	321.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	536	98	26	23	23	14	1.00	1.00	54.7	
1B	536	98	67	23	23	14	1.00	1.00	85.6	
1C	536	105	26	23	23	14	1.00	1.00	56.3	
1D	536	105	67	23	23	14	1.00	1.00	87.3	
1E	5364	98	26	23	23	14	1.00	1.00	144.4	
1F	5364	98	67	23	23	14	1.00	1.00	175.4	
1G	5364	105	26	23	23	14	1.00	1.00	146.1	
1H	5364	105	67	23	23	14	1.00	1.00	177.0	
1I	1560	112	7	23	23	14	1.00	1.00	62.8	
1J	1560	112	50	23	23	14	1.00	1.00	95.5	
1K	1560	109	7	23	23	14	1.00	1.00	62.0	
1L	1560	109	50	23	23	14	1.00	1.00	94.7	
1M	4340	112	7	23	23	14	1.00	1.00	114.4	
1N	4340	112	50	23	23	14	1.00	1.00	147.1	
1O	4340	109	7	23	23	14	1.00	1.00	113.7	
1P	4340	109	50	23	23	14	1.00	1.00	146.4	
2	11570	457	28	23	23	14	1.00	1.00	353.7	
7	9280	358	29	23	23	14	1.00	1.00	286.1	
8	9255	358	29	23	23	14	1.00	1.00	286.0	

ASTA NUM. 303 NI 475 NF 476 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	675	-87	297	0	-50	146	12.6	122.6	25.1	0.0	135.2	1	
1B	0	675	217	297	0	-50	-56	12.6	55.1	25.1	0.0	67.6	1	
1C	0	675	-87	-6	0	-145	146	12.6	146.9	3.3	0.0	159.5	1	
1D	0	675	217	-6	0	-145	-56	12.6	79.4	8.1	0.0	91.9	1	
1E	0	5353	-87	297	0	-50	146	99.5	122.6	25.1	0.0	222.1	1	
1F	0	5353	217	297	0	-50	-56	99.5	55.1	25.1	0.0	154.6	1	
1G	0	5353	-87	-6	0	-145	146	99.5	146.9	3.3	0.0	246.4	1	
1H	0	5353	217	-6	0	-145	-56	99.5	79.4	8.1	0.0	178.9	1	
1I	0	1446	-13	415	0	-64	102	26.9	92.8	35.2	0.0	119.7	1	
1J	0	1446	143	415	0	-64	-12	26.9	25.3	35.2	0.0	68.9	3	
1K	0	1446	-13	-124	0	-131	102	26.9	110.1	10.5	0.0	137.0	1	
1L	0	1446	143	-124	0	-131	-12	26.9	42.6	10.5	0.0	69.5	1	
1M	0	4582	-13	415	0	-64	102	85.2	92.8	35.2	0.0	178.0	1	
1N	0	4582	143	415	0	-64	-12	85.2	25.3	35.2	0.0	114.1	3	
1O	0	4582	-13	-124	0	-131	102	85.2	110.1	10.5	0.0	195.3	1	
1P	0	4582	143	-124	0	-131	-12	85.2	42.6	10.5	0.0	127.8	1	
2	0	11810	86	664	0	-442	52	219.5	153.0	56.3	0.0	372.5	1	
7	0	9445	86	491	0	-348	53	175.6	129.5	41.7	0.0	305.0	1	
8	0	9445	85	516	0	-348	54	175.6	130.1	43.8	0.0	305.6	1	
1A	55	699	-87	297	0	-223	266	13.0	256.8	25.1	0.0	269.8	1	
1B	55	699	217	297	0	-223	-104	13.0	135.5	25.1	0.0	148.5	1	
1C	55	699	-87	-6	0	-133	266	13.0	233.6	3.3	0.0	246.6	1	
1D	55	699	217	-6	0	-133	-104	13.0	112.4	8.1	0.0	125.3	1	
1E	55	5376	-87	297	0	-223	266	99.9	256.8	25.1	0.0	356.7	1	
1F	55	5376	217	297	0	-223	-104	99.9	135.5	25.1	0.0	235.5	1	
1G	55	5376	-87	-6	0	-133	266	99.9	233.6	3.3	0.0	333.5	1	
1H	55	5376	217	-6	0	-133	-104	99.9	112.4	8.1	0.0	212.3	1	
1I	55	1470	-13	415	0	-8	181	27.3	137.4	35.2	0.0	164.7	1	
1J	55	1470	143	415	0	-8	-19	27.3	16.1	35.2	0.0	67.0	4	
1K	55	1470	-13	-124	0	-348	181	27.3	224.9	10.5	0.0	252.2	1	

1L	55	1470	143	-124	0	-348	-19	27.3	103.6	10.5	0.0	131.0	1
1M	55	4605	-13	415	0	-8	181	85.6	137.4	35.2	0.0	223.0	1
1N	55	4605	143	415	0	-8	-19	85.6	16.1	35.2	0.0	105.4	4
1O	55	4605	-13	-124	0	-348	181	85.6	224.9	10.5	0.0	310.5	1
1P	55	4605	143	-124	0	-348	-19	85.6	103.6	10.5	0.0	189.3	1
2	55	11840	86	664	0	-810	100	220.1	283.2	56.3	0.0	503.3	1
7	55	9476	86	491	0	-620	101	176.1	235.2	41.7	0.0	411.3	1
8	55	9476	85	516	0	-634	101	176.1	238.9	43.8	0.0	415.0	1
1A	111	722	-87	297	0	-396	386	13.4	391.0	25.1	0.0	404.4	1
1B	111	722	217	297	0	-396	-152	13.4	216.0	25.1	0.0	229.4	1
1C	111	722	-87	-6	0	-121	386	13.4	320.3	3.3	0.0	333.8	1
1D	111	722	217	-6	0	-121	-152	13.4	145.3	8.1	0.0	158.8	1
1E	111	5400	-87	297	0	-396	386	100.4	391.0	25.1	0.0	491.3	1
1F	111	5400	217	297	0	-396	-152	100.4	216.0	25.1	0.0	316.3	1
1G	111	5400	-87	-6	0	-121	386	100.4	320.3	3.3	0.0	420.7	1
1H	111	5400	217	-6	0	-121	-152	100.4	145.3	8.1	0.0	245.7	1
1I	111	1493	-13	415	0	48	260	27.8	206.7	35.2	0.0	234.4	1
1J	111	1493	143	415	0	48	-26	27.8	31.7	35.2	0.0	67.4	3
1K	111	1493	-13	-124	0	-565	260	27.8	339.7	10.5	0.0	367.4	1
1L	111	1493	143	-124	0	-565	-26	27.8	164.7	10.5	0.0	192.4	1
1M	111	4629	-13	415	0	48	260	86.0	206.7	35.2	0.0	292.7	1
1N	111	4629	143	415	0	48	-26	86.0	31.7	35.2	0.0	117.7	1
1O	111	4629	-13	-124	0	-565	260	86.0	339.7	10.5	0.0	425.7	1
1P	111	4629	143	-124	0	-565	-26	86.0	164.7	10.5	0.0	250.7	1
2	111	11870	86	664	0	-1177	148	220.6	413.4	56.3	0.0	634.0	1
7	111	9506	86	491	0	-892	149	176.7	340.9	41.7	0.0	517.6	1
8	111	9506	85	516	0	-919	148	176.7	347.6	43.8	0.0	524.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	722	258	290	23	23	14	1.00	1.00	297.1	
1B	722	258	114	23	23	14	1.00	1.00	165.0	
1C	722	135	290	23	23	14	1.00	1.00	265.6	
1D	722	135	114	23	23	14	1.00	1.00	133.6	
1E	5400	258	290	23	23	14	1.00	1.00	384.0	
1F	5400	258	114	23	23	14	1.00	1.00	252.0	
1G	5400	135	290	23	23	14	1.00	1.00	352.5	
1H	5400	135	114	23	23	14	1.00	1.00	220.5	
1I	1493	26	197	23	23	14	1.00	1.00	181.5	
1J	1493	26	20	23	23	14	1.00	1.00	49.4	
1K	1493	392	197	23	23	14	1.00	1.00	275.6	
1L	1493	392	20	23	23	14	1.00	1.00	143.6	
1M	4629	26	197	23	23	14	1.00	1.00	239.7	
1N	4629	26	20	23	23	14	1.00	1.00	107.7	
1O	4629	392	197	23	23	14	1.00	1.00	333.9	
1P	4629	392	20	23	23	14	1.00	1.00	201.9	
2	11870	883	110	23	23	14	1.00	1.00	529.9	
7	9506	674	111	23	23	14	1.00	1.00	433.1	
8	9506	691	111	23	23	14	1.00	1.00	437.3	

ASTA NUM. 304 NI 476 NF 477 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1028	-359	-188	0	-159	389	19.1	331.9	15.9	0.0	351.0	1	
1B	0	1028	117	-188	0	-159	-136	19.1	142.9	15.9	0.0	162.0	1	
1C	0	1028	-359	-513	0	-392	389	19.1	391.8	43.5	0.0	410.9	1	
1D	0	1028	117	-513	0	-392	-136	19.1	202.8	43.5	0.0	222.0	1	
1E	0	3022	-359	-188	0	-159	389	56.2	331.9	15.9	0.0	388.0	1	
1F	0	3022	117	-188	0	-159	-136	56.2	142.9	15.9	0.0	199.1	1	
1G	0	3022	-359	-513	0	-392	389	56.2	391.8	43.5	0.0	447.9	1	
1H	0	3022	117	-513	0	-392	-136	56.2	202.8	43.5	0.0	259.0	1	
1I	0	535	-247	15	0	19	262	9.9	201.2	9.3	0.0	211.2	1	
1J	0	535	5	15	0	19	-10	9.9	12.3	1.3	0.0	22.3	1	
1K	0	535	-247	-716	0	-569	262	9.9	342.9	60.7	0.0	352.8	1	
1L	0	535	5	-716	0	-569	-10	9.9	154.0	60.7	0.0	169.1	3	
1M	0	3515	-247	15	0	19	262	65.3	201.2	9.3	0.0	266.6	1	
1N	0	3515	5	15	0	19	-10	65.3	12.3	1.3	0.0	77.7	1	
1O	0	3515	-247	-716	0	-569	262	65.3	342.9	60.7	0.0	408.3	1	
1P	0	3515	5	-716	0	-569	-10	65.3	154.0	60.7	0.0	219.3	1	
2	0	6291	-167	-1687	0	-1271	175	116.9	458.0	143.0	0.0	574.9	1	
7	0	5101	-166	-1281	0	-966	174	94.8	378.5	108.6	0.0	473.3	1	
8	0	5165	-164	-1313	0	-992	171	96.0	383.4	111.3	0.0	479.4	1	
1A	55	1051	-359	-188	0	-71	190	19.5	160.6	15.9	0.0	180.1	1	
1B	55	1051	117	-188	0	-71	-71	19.5	71.7	15.9	0.0	91.2	1	
1C	55	1051	-359	-513	0	-91	190	19.5	165.7	43.5	0.0	185.2	1	
1D	55	1051	117	-513	0	-91	-71	19.5	76.8	43.5	0.0	96.4	1	
1E	55	3045	-359	-188	0	-71	190	56.6	160.6	15.9	0.0	217.2	1	
1F	55	3045	117	-188	0	-71	-71	56.6	71.7	15.9	0.0	128.3	1	
1G	55	3045	-359	-513	0	-91	190	56.6	165.7	43.5	0.0	222.3	1	
1H	55	3045	117	-513	0	-91	-71	56.6	76.8	43.5	0.0	133.4	1	
1I	55	558	-247	15	0	5	126	10.4	95.4	9.3	0.0	105.8	1	
1J	55	558	5	15	0	5	-7	10.4	6.6	1.3	0.0	16.9	1	
1K	55	558	-247	-716	0	-168	126	10.4	137.3	60.7	0.0	147.6	1	
1L	55	558	5	-716	0	-168	-7	10.4	48.4	60.7	0.0	105.6	4	

1M	55	3538	-247	15	0	5	126	65.8	95.4	9.3	0.0	161.2	1
1N	55	3538	5	15	0	5	-7	65.8	6.6	1.3	0.0	72.3	1
1O	55	3538	-247	-716	0	-168	126	65.8	137.3	60.7	0.0	203.0	1
1P	55	3538	5	-716	0	-168	-7	65.8	48.4	60.7	0.0	140.0	3
2	55	6322	-167	-1687	0	-338	83	117.5	148.7	143.0	0.0	295.1	3
7	55	5132	-166	-1281	0	-257	82	95.4	127.4	108.6	0.0	228.7	3
8	55	5196	-164	-1313	0	-266	81	96.6	128.8	111.3	0.0	233.9	3
1A	111	1074	-359	-188	0	16	-9	20.0	10.7	15.9	0.0	41.3	3
1B	111	1074	117	-188	0	16	-6	20.0	8.8	15.9	0.0	34.9	3
1C	111	1074	-359	-513	0	209	-9	20.0	60.4	43.5	0.0	98.3	3
1D	111	1074	117	-513	0	209	-6	20.0	58.4	43.5	0.0	95.7	3
1E	111	3068	-359	-188	0	16	-9	57.0	10.7	15.9	0.0	69.7	3
1F	111	3068	117	-188	0	16	-6	57.0	8.8	15.9	0.0	66.0	3
1G	111	3068	-359	-513	0	209	-9	57.0	60.4	43.5	0.0	126.9	3
1H	111	3068	117	-513	0	209	-6	57.0	58.4	43.5	0.0	124.9	3
1I	111	581	-247	15	0	-8	-11	10.8	10.4	9.3	0.0	21.2	1
1J	111	581	5	15	0	-8	-4	10.8	4.9	1.3	0.0	15.7	1
1K	111	581	-247	-716	0	233	-11	10.8	68.4	60.7	0.0	114.4	3
1L	111	581	5	-716	0	233	-4	10.8	62.8	60.7	0.0	113.2	3
1M	111	3561	-247	15	0	-8	-11	66.2	10.4	9.3	0.0	76.6	1
1N	111	3561	5	15	0	-8	-4	66.2	4.9	1.3	0.0	71.1	1
1O	111	3561	-247	-716	0	233	-11	66.2	68.4	60.7	0.0	152.8	3
1P	111	3561	5	-716	0	233	-4	66.2	62.8	60.7	0.0	151.8	3
2	111	6352	-167	-1687	0	596	-10	118.1	160.6	143.0	0.0	336.7	3
7	111	5162	-166	-1281	0	452	-10	95.9	123.8	108.6	0.0	260.6	3
8	111	5226	-164	-1313	0	461	-10	97.1	125.8	111.3	0.0	265.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1074	89	230	23	23	14	1.00	1.00	214.8	
1B	1074	89	84	23	23	14	1.00	1.00	105.9	
1C	1074	157	230	23	23	14	1.00	1.00	232.2	
1D	1074	157	84	23	23	14	1.00	1.00	123.4	
1E	3068	89	230	23	23	14	1.00	1.00	251.8	
1F	3068	89	84	23	23	14	1.00	1.00	143.0	
1G	3068	157	230	23	23	14	1.00	1.00	269.3	
1H	3068	157	84	23	23	14	1.00	1.00	160.4	
1I	581	8	153	23	23	14	1.00	1.00	127.4	
1J	581	8	8	23	23	14	1.00	1.00	18.5	
1K	581	248	153	23	23	14	1.00	1.00	189.2	
1L	581	248	8	23	23	14	1.00	1.00	80.3	
1M	3561	8	153	23	23	14	1.00	1.00	182.8	
1N	3561	8	8	23	23	14	1.00	1.00	73.9	
1O	3561	248	153	23	23	14	1.00	1.00	244.6	
1P	3561	248	8	23	23	14	1.00	1.00	135.7	
2	6352	524	101	23	23	14	1.00	1.00	328.6	
7	5162	399	100	23	23	14	1.00	1.00	273.6	
8	5226	411	99	23	23	14	1.00	1.00	276.9	

ASTA NUM. 305 NI 429 NF 430 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-19561	-20	354	0	367	17	363.6	107.1	30.0	0.0	470.7	1	
1B	0	-19561	27	354	0	367	-4	363.6	97.7	30.0	0.0	461.3	1	
1C	0	-19561	-20	-1	0	-151	17	363.6	51.5	0.7	0.0	415.1	1	
1D	0	-19561	27	-1	0	-151	-4	363.6	42.1	1.0	0.0	405.7	1	
1E	0	7047	-20	354	0	367	17	131.0	107.1	30.0	0.0	238.1	1	
1F	0	7047	27	354	0	367	-4	131.0	97.7	30.0	0.0	228.7	1	
1G	0	7047	-20	-1	0	-151	17	131.0	51.5	0.7	0.0	182.5	1	
1H	0	7047	27	-1	0	-151	-4	131.0	42.1	1.0	0.0	173.1	1	
1I	0	-30232	-25	366	0	694	29	561.9	199.9	31.1	0.0	761.9	1	
1J	0	-30232	33	366	0	694	-16	561.9	190.6	31.1	0.0	752.5	1	
1K	0	-30232	-25	-13	0	-478	29	561.9	144.4	1.1	0.0	706.3	1	
1L	0	-30232	33	-13	0	-478	-16	561.9	135.0	1.2	0.0	696.9	1	
1M	0	17718	-25	366	0	694	29	329.3	199.9	31.1	0.0	529.3	1	
1N	0	17718	33	366	0	694	-16	329.3	190.6	31.1	0.0	519.9	1	
1O	0	17718	-25	-13	0	-478	29	329.3	144.4	1.1	0.0	473.7	1	
1P	0	17718	33	-13	0	-478	-16	329.3	135.0	1.2	0.0	464.3	1	
2	0	-1853	-3	236	0	-34	2	34.4	10.2	20.0	0.0	52.3	3	
7	0	-1399	-3	219	0	-41	2	26.0	11.7	18.5	0.0	45.5	3	
8	0	-3538	-1	233	0	13	4	65.8	6.1	19.8	0.0	75.3	3	
1A	55	-19538	-20	354	0	235	31	363.2	84.0	30.0	0.0	447.1	1	
1B	55	-19538	27	354	0	235	-15	363.2	71.5	30.0	0.0	434.7	1	
1C	55	-19538	-20	-1	0	-215	31	363.2	78.7	0.7	0.0	441.9	1	
1D	55	-19538	27	-1	0	-215	-15	363.2	66.3	1.0	0.0	429.4	1	
1E	55	7070	-20	354	0	235	31	131.4	84.0	30.0	0.0	215.4	1	
1F	55	7070	27	354	0	235	-15	131.4	71.5	30.0	0.0	202.9	1	
1G	55	7070	-20	-1	0	-215	31	131.4	78.7	0.7	0.0	210.1	1	
1H	55	7070	27	-1	0	-215	-15	131.4	66.3	1.0	0.0	197.7	1	
1I	55	-30209	-25	366	0	513	46	561.5	166.7	31.1	0.0	728.2	1	
1J	55	-30209	33	366	0	513	-30	561.5	154.3	31.1	0.0	715.8	1	
1K	55	-30209	-25	-13	0	-493	46	561.5	161.5	1.1	0.0	723.0	1	
1L	55	-30209	33	-13	0	-493	-30	561.5	149.0	1.2	0.0	710.5	1	
1M	55	17741	-25	366	0	513	46	329.8	166.7	31.1	0.0	496.5	1	

1N	55	17741	33	366	0	513	-30	329.8	154.3	31.1	0.0	484.0	1
1O	55	17741	-25	-13	0	-493	46	329.8	161.5	1.1	0.0	491.3	1
1P	55	17741	33	-13	0	-493	-30	329.8	149.0	1.2	0.0	478.8	1
2	55	-1823	-3	236	0	-165	0	33.9	42.6	20.0	0.0	78.1	3
7	55	-1368	-3	219	0	-162	-0	25.4	41.9	18.5	0.0	68.9	3
8	55	-3508	-1	233	0	-116	3	65.2	32.0	19.8	0.0	97.2	1
1A	111	-19515	-20	354	0	104	45	362.7	60.8	30.0	0.0	423.6	1
1B	111	-19515	27	354	0	104	-25	362.7	45.3	30.0	0.0	408.0	1
1C	111	-19515	-20	-1	0	-279	45	362.7	105.9	0.7	0.0	468.7	1
1D	111	-19515	27	-1	0	-279	-25	362.7	90.4	1.0	0.0	453.2	1
1E	111	7093	-20	354	0	104	45	131.8	60.8	30.0	0.0	192.7	1
1F	111	7093	27	354	0	104	-25	131.8	45.3	30.0	0.0	177.1	1
1G	111	7093	-20	-1	0	-279	45	131.8	105.9	0.7	0.0	237.8	1
1H	111	7093	27	-1	0	-279	-25	131.8	90.4	1.0	0.0	222.3	1
1I	111	-30186	-25	366	0	332	64	561.1	133.5	31.1	0.0	694.6	1
1J	111	-30186	33	366	0	332	-43	561.1	118.0	31.1	0.0	679.1	1
1K	111	-30186	-25	-13	0	-507	64	561.1	178.6	1.1	0.0	739.7	1
1L	111	-30186	33	-13	0	-507	-43	561.1	163.1	1.2	0.0	724.2	1
1M	111	17764	-25	366	0	332	64	330.2	133.5	31.1	0.0	463.7	1
1N	111	17764	33	366	0	332	-43	330.2	118.0	31.1	0.0	448.2	1
1O	111	17764	-25	-13	0	-507	64	330.2	178.6	1.1	0.0	508.8	1
1P	111	17764	33	-13	0	-507	-43	330.2	163.1	1.2	0.0	493.3	1
2	111	-1793	-3	236	0	-296	-1	33.3	77.2	20.0	0.0	110.5	1
7	111	-1338	-3	219	0	-283	-2	24.9	74.5	18.5	0.0	99.3	1
8	111	-3477	-1	233	0	-244	3	64.6	64.8	19.8	0.0	129.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-19561	262	34	23	23	14	1.03	1.00	467.8	
1B	-19561	262	17	23	23	14	1.03	1.00	454.6	
1C	-19561	228	34	23	23	14	1.03	1.00	459.1	
1D	-19561	228	17	23	23	14	1.03	1.00	445.9	
1E	7093	262	34	23	23	14	1.00	1.00	224.7	
1F	7093	262	17	23	23	14	1.00	1.00	211.6	
1G	7093	228	34	23	23	14	1.00	1.00	216.0	
1H	7093	228	17	23	23	14	1.00	1.00	202.9	
1I	-30232	549	50	23	23	14	1.03	1.00	758.8	
1J	-30232	549	32	23	23	14	1.03	1.00	745.5	
1K	-30232	496	50	23	23	14	1.03	1.00	744.9	
1L	-30232	496	32	23	23	14	1.03	1.00	731.7	
1M	17764	549	50	23	23	14	1.00	1.00	508.9	
1N	17764	549	32	23	23	14	1.00	1.00	495.8	
1O	17764	496	50	23	23	14	1.00	1.00	495.1	
1P	17764	496	32	23	23	14	1.00	1.00	482.0	
2	-1853	191	1	23	23	14	1.03	1.00	85.2	
7	-1399	186	1	23	23	14	1.03	1.00	75.4	
8	-3538	141	3	23	23	14	1.03	1.00	106.5	

ASTA NUM. 306 NI 430 NF 431 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17809	-23	217	0	216	40	331.0	85.8	18.4	0.0	416.8	1	
1B	0	-17809	7	217	0	216	-10	331.0	63.5	18.4	0.0	394.6	1	
1C	0	-17809	-23	-418	0	-347	40	331.0	119.4	35.4	0.0	450.4	1	
1D	0	-17809	7	-418	0	-347	-10	331.0	97.2	35.4	0.0	428.2	1	
1E	0	7841	-23	217	0	216	40	145.7	85.8	18.4	0.0	231.5	1	
1F	0	7841	7	217	0	216	-10	145.7	63.5	18.4	0.0	209.3	1	
1G	0	7841	-23	-418	0	-347	40	145.7	119.4	35.4	0.0	265.2	1	
1H	0	7841	7	-418	0	-347	-10	145.7	97.2	35.4	0.0	242.9	1	
1I	0	-20716	-44	228	0	524	64	385.1	183.0	19.3	0.0	568.1	1	
1J	0	-20716	29	228	0	524	-35	385.1	160.8	19.3	0.0	545.9	1	
1K	0	-20716	-44	-429	0	-655	64	385.1	216.7	36.3	0.0	601.7	1	
1L	0	-20716	29	-429	0	-655	-35	385.1	194.5	36.3	0.0	579.5	1	
1M	0	10748	-44	228	0	524	64	199.8	183.0	19.3	0.0	382.8	1	
1N	0	10748	29	228	0	524	-35	199.8	160.8	19.3	0.0	360.6	1	
1O	0	10748	-44	-429	0	-655	64	199.8	216.7	36.3	0.0	416.5	1	
1P	0	10748	29	-429	0	-655	-35	199.8	194.5	36.3	0.0	394.2	1	
2	0	-2910	3	-250	0	-314	6	54.1	85.1	21.2	0.0	139.2	1	
7	0	-2576	3	-240	0	-304	5	47.9	81.8	20.3	0.0	129.7	1	
8	0	-3844	-0	-215	0	-250	9	71.4	71.2	18.2	0.0	142.6	1	
1A	55	-17786	-23	217	0	10	29	330.6	24.6	18.4	0.0	355.2	1	
1B	55	-17786	7	217	0	10	-8	330.6	8.8	18.4	0.0	339.3	1	
1C	55	-17786	-23	-418	0	-30	29	330.6	29.7	35.4	0.0	360.3	1	
1D	55	-17786	7	-418	0	-30	-8	330.6	13.8	35.4	0.0	344.4	1	
1E	55	7864	-23	217	0	10	29	146.2	24.6	18.4	0.0	170.8	1	
1F	55	7864	7	217	0	10	-8	146.2	8.8	18.4	0.0	154.9	1	
1G	55	7864	-23	-418	0	-30	29	146.2	29.7	35.4	0.0	175.9	1	
1H	55	7864	7	-418	0	-30	-8	146.2	13.8	35.4	0.0	162.7	3	
1I	55	-20693	-44	228	0	445	41	384.6	144.9	19.3	0.0	529.5	1	
1J	55	-20693	29	228	0	445	-19	384.6	129.1	19.3	0.0	513.7	1	
1K	55	-20693	-44	-429	0	-465	41	384.6	150.0	36.3	0.0	534.6	1	
1L	55	-20693	29	-429	0	-465	-19	384.6	134.1	36.3	0.0	518.8	1	
1M	55	10772	-44	228	0	445	41	200.2	144.9	19.3	0.0	345.1	1	
1N	55	10772	29	228	0	445	-19	200.2	129.1	19.3	0.0	329.3	1	

1O	55	10772	-44	-429	0	-465	41	200.2	150.0	36.3	0.0	350.2	1
1P	55	10772	29	-429	0	-465	-19	200.2	134.1	36.3	0.0	334.4	1
2	55	-2880	3	-250	0	-176	7	53.5	50.8	21.2	0.0	104.3	1
7	55	-2546	3	-240	0	-171	6	47.3	48.8	20.3	0.0	96.1	1
8	55	-3814	-0	-215	0	-131	9	70.9	40.4	18.2	0.0	111.2	1
1A	111	-17762	-23	217	0	-195	18	330.1	64.0	18.4	0.0	394.2	1
1B	111	-17762	7	217	0	-195	-6	330.1	54.6	18.4	0.0	384.7	1
1C	111	-17762	-23	-418	0	287	18	330.1	87.6	35.4	0.0	417.7	1
1D	111	-17762	7	-418	0	287	-6	330.1	78.1	35.4	0.0	408.3	1
1E	111	7888	-23	217	0	-195	18	146.6	64.0	18.4	0.0	210.7	1
1F	111	7888	7	217	0	-195	-6	146.6	54.6	18.4	0.0	201.2	1
1G	111	7888	-23	-418	0	287	18	146.6	87.6	35.4	0.0	234.2	1
1H	111	7888	7	-418	0	287	-6	146.6	78.1	35.4	0.0	224.7	1
1I	111	-20669	-44	228	0	366	17	384.2	106.8	19.3	0.0	491.0	1
1J	111	-20669	29	228	0	366	-4	384.2	97.3	19.3	0.0	481.5	1
1K	111	-20669	-44	-429	0	-275	17	384.2	83.3	36.3	0.0	467.4	1
1L	111	-20669	29	-429	0	-275	-4	384.2	73.8	36.3	0.0	458.0	1
1M	111	10795	-44	228	0	366	17	200.7	106.8	19.3	0.0	307.4	1
1N	111	10795	29	228	0	366	-4	200.7	97.3	19.3	0.0	298.0	1
1O	111	10795	-44	-429	0	-275	17	200.7	83.3	36.3	0.0	283.9	1
1P	111	10795	29	-429	0	-275	-4	200.7	73.8	36.3	0.0	274.5	1
2	111	-2849	3	-250	0	-38	9	53.0	16.5	21.2	0.0	69.9	3
7	111	-2515	3	-240	0	-38	8	46.7	15.9	20.3	0.0	63.9	3
8	111	-3783	-0	-215	0	-12	9	70.3	9.6	18.2	0.0	79.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17809	87	31	23	23	14	1.03	1.00	387.0	
1B	-17809	87	9	23	23	14	1.03	1.00	369.8	
1C	-17809	139	31	23	23	14	1.03	1.00	400.5	
1D	-17809	139	9	23	23	14	1.03	1.00	383.3	
1E	7888	87	31	23	23	14	1.00	1.00	192.4	
1F	7888	87	9	23	23	14	1.00	1.00	175.3	
1G	7888	139	31	23	23	14	1.00	1.00	205.9	
1H	7888	139	9	23	23	14	1.00	1.00	188.8	
1I	-20716	461	45	23	23	14	1.03	1.00	549.9	
1J	-20716	461	22	23	23	14	1.03	1.00	532.6	
1K	-20716	503	45	23	23	14	1.03	1.00	560.7	
1L	-20716	503	22	23	23	14	1.03	1.00	543.4	
1M	10795	461	45	23	23	14	1.00	1.00	353.2	
1N	10795	461	22	23	23	14	1.00	1.00	336.1	
1O	10795	503	45	23	23	14	1.00	1.00	364.0	
1P	10795	503	22	23	23	14	1.00	1.00	346.9	
2	-2910	204	8	23	23	14	1.03	1.00	113.9	
7	-2576	198	7	23	23	14	1.03	1.00	105.3	
8	-3844	155	9	23	23	14	1.03	1.00	120.2	

ASTA NUM. 307 NI 431 NF 432 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17651	-30	378	0	316	18	328.1	94.5	32.1	0.0	422.6	1	
1B	0	-17651	15	378	0	316	3	328.1	83.5	32.1	0.0	411.6	1	
1C	0	-17651	-30	-40	0	-180	18	328.1	59.6	3.4	0.0	387.7	1	
1D	0	-17651	15	-40	0	-180	3	328.1	48.6	3.4	0.0	376.7	1	
1E	0	7957	-30	378	0	316	18	147.9	94.5	32.1	0.0	242.4	1	
1F	0	7957	15	378	0	316	3	147.9	83.5	32.1	0.0	231.4	1	
1G	0	7957	-30	-40	0	-180	18	147.9	59.6	3.4	0.0	207.5	1	
1H	0	7957	15	-40	0	-180	3	147.9	48.6	3.4	0.0	196.5	1	
1I	0	-20027	-46	450	0	528	23	372.2	153.2	38.2	0.0	525.4	1	
1J	0	-20027	31	450	0	528	-3	372.2	137.9	38.2	0.0	510.1	1	
1K	0	-20027	-46	-113	0	-393	23	372.2	118.3	9.5	0.0	490.5	1	
1L	0	-20027	31	-113	0	-393	-3	372.2	102.9	9.5	0.0	475.2	1	
1M	0	10333	-46	450	0	528	23	192.1	153.2	38.2	0.0	345.2	1	
1N	0	10333	31	450	0	528	-3	192.1	137.9	38.2	0.0	329.9	1	
1O	0	10333	-46	-113	0	-393	23	192.1	118.3	9.5	0.0	310.3	1	
1P	0	10333	31	-113	0	-393	-3	192.1	102.9	9.5	0.0	295.0	1	
2	0	-2915	3	190	0	-55	12	54.2	23.5	16.2	0.0	77.6	1	
7	0	-2590	3	174	0	-58	12	48.1	23.6	14.7	0.0	71.8	1	
8	0	-3799	-0	197	0	-16	13	70.6	13.6	16.7	0.0	84.2	1	
1A	55	-17628	-30	378	0	141	-1	327.6	36.8	32.1	0.0	364.4	1	
1B	55	-17628	15	378	0	141	13	327.6	46.0	32.1	0.0	373.7	1	
1C	55	-17628	-30	-40	0	-192	-1	327.6	50.0	3.4	0.0	377.6	1	
1D	55	-17628	15	-40	0	-192	13	327.6	59.2	3.4	0.0	386.9	1	
1E	55	7980	-30	378	0	141	-1	148.3	36.8	32.1	0.0	187.3	3	
1F	55	7980	15	378	0	141	13	148.3	46.0	32.1	0.0	194.4	1	
1G	55	7980	-30	-40	0	-192	-1	148.3	50.0	3.4	0.0	198.3	1	
1H	55	7980	15	-40	0	-192	13	148.3	59.2	3.4	0.0	207.6	1	
1I	55	-20003	-46	450	0	291	-3	371.8	77.3	38.2	0.0	449.1	1	
1J	55	-20003	31	450	0	291	15	371.8	86.5	38.2	0.0	458.3	1	
1K	55	-20003	-46	-113	0	-343	-3	371.8	90.5	9.5	0.0	462.3	1	
1L	55	-20003	31	-113	0	-343	15	371.8	99.7	9.5	0.0	471.5	1	
1M	55	10356	-46	450	0	291	-3	192.5	77.3	38.2	0.0	269.8	1	
1N	55	10356	31	450	0	291	15	192.5	86.5	38.2	0.0	279.0	1	
1O	55	10356	-46	-113	0	-343	-3	192.5	90.5	9.5	0.0	283.0	1	

1P	55	10356	31	-113	0	-343	15	192.5	99.7	9.5	0.0	292.2	1
2	55	-2884	3	190	0	-161	14	53.6	51.8	16.2	0.0	105.4	1
7	55	-2560	3	174	0	-154	13	47.6	49.5	14.7	0.0	97.1	1
8	55	-3768	-0	197	0	-125	12	70.0	41.5	16.7	0.0	111.6	1
1A	111	-17604	-30	378	0	-35	-19	327.2	23.3	32.1	0.0	350.5	1
1B	111	-17604	15	378	0	-35	23	327.2	26.4	32.1	0.0	353.6	1
1C	111	-17604	-30	-40	0	-204	-19	327.2	66.7	3.4	0.0	393.9	1
1D	111	-17604	15	-40	0	-204	23	327.2	69.9	3.4	0.0	397.1	1
1E	111	8004	-30	378	0	-35	-19	148.8	23.3	32.1	0.0	172.0	1
1F	111	8004	15	378	0	-35	23	148.8	26.4	32.1	0.0	175.2	1
1G	111	8004	-30	-40	0	-204	-19	148.8	66.7	3.4	0.0	215.5	1
1H	111	8004	15	-40	0	-204	23	148.8	69.9	3.4	0.0	218.7	1
1I	111	-19980	-46	450	0	55	-29	371.4	35.8	38.2	0.0	407.2	1
1J	111	-19980	31	450	0	55	33	371.4	39.0	38.2	0.0	410.3	1
1K	111	-19980	-46	-113	0	-293	-29	371.4	97.1	9.5	0.0	468.5	1
1L	111	-19980	31	-113	0	-293	33	371.4	100.3	9.5	0.0	471.6	1
1M	111	10380	-46	450	0	55	-29	192.9	35.8	38.2	0.0	228.8	1
1N	111	10380	31	450	0	55	33	192.9	39.0	38.2	0.0	231.9	1
1O	111	10380	-46	-113	0	-293	-29	192.9	97.1	9.5	0.0	290.1	1
1P	111	10380	31	-113	0	-293	33	192.9	100.3	9.5	0.0	293.2	1
2	111	-2854	3	190	0	-266	16	53.0	80.1	16.2	0.0	133.1	1
7	111	-2529	3	174	0	-250	15	47.0	75.4	14.7	0.0	122.4	1
8	111	-3738	-0	197	0	-234	12	69.5	69.5	16.7	0.0	138.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17651	176	8	23	23	14	1.03	1.00	389.1	
1B	-17651	176	15	23	23	14	1.03	1.00	394.8	
1C	-17651	194	8	23	23	14	1.03	1.00	393.9	
1D	-17651	194	15	23	23	14	1.03	1.00	399.5	
1E	8004	176	8	23	23	14	1.00	1.00	199.8	
1F	8004	176	15	23	23	14	1.00	1.00	205.4	
1G	8004	194	8	23	23	14	1.00	1.00	204.5	
1H	8004	194	15	23	23	14	1.00	1.00	210.1	
1I	-20027	339	12	23	23	14	1.03	1.00	479.7	
1J	-20027	339	19	23	23	14	1.03	1.00	485.2	
1K	-20027	353	12	23	23	14	1.03	1.00	483.3	
1L	-20027	353	19	23	23	14	1.03	1.00	488.8	
1M	10380	339	12	23	23	14	1.00	1.00	288.8	
1N	10380	339	19	23	23	14	1.00	1.00	294.3	
1O	10380	353	12	23	23	14	1.00	1.00	292.4	
1P	10380	353	19	23	23	14	1.00	1.00	297.9	
2	-2915	182	14	23	23	14	1.03	1.00	113.3	
7	-2590	173	14	23	23	14	1.03	1.00	104.3	
8	-3799	147	12	23	23	14	1.03	1.00	119.9	

ASTA NUM. 308 NI 432 NF 433 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7275	-42	45	0	88	31	135.2	45.4	3.8	0.0	180.6	1	
1B	0	-7275	-18	45	0	88	-8	135.2	28.5	3.8	0.0	163.7	1	
1C	0	-7275	-42	-281	0	-279	31	135.2	94.5	23.8	0.0	229.8	1	
1D	0	-7275	-18	-281	0	-279	-8	135.2	77.6	23.8	0.0	212.8	1	
1E	0	-2773	-42	45	0	88	31	51.5	45.4	3.8	0.0	96.9	1	
1F	0	-2773	-18	45	0	88	-8	51.5	28.5	3.8	0.0	80.0	1	
1G	0	-2773	-42	-281	0	-279	31	51.5	94.5	23.8	0.0	146.1	1	
1H	0	-2773	-18	-281	0	-279	-8	51.5	77.6	23.8	0.0	129.2	1	
1I	0	-10893	-45	148	0	249	38	202.5	92.3	12.5	0.0	294.8	1	
1J	0	-10893	-15	148	0	249	-15	202.5	75.4	12.5	0.0	277.9	1	
1K	0	-10893	-45	-384	0	-440	38	202.5	141.5	32.6	0.0	343.9	1	
1L	0	-10893	-15	-384	0	-440	-15	202.5	124.6	32.6	0.0	327.0	1	
1M	0	845	-45	148	0	249	38	15.7	92.3	12.5	0.0	108.0	1	
1N	0	845	-15	148	0	249	-15	15.7	75.4	12.5	0.0	91.1	1	
1O	0	845	-45	-384	0	-440	38	15.7	141.5	32.6	0.0	157.2	1	
1P	0	845	-15	-384	0	-440	-15	15.7	124.6	32.6	0.0	140.3	1	
2	0	-5319	-41	-272	0	-284	24	98.9	91.0	23.0	0.0	189.9	1	
7	0	-5184	-42	-263	0	-270	24	96.4	87.3	22.3	0.0	183.7	1	
8	0	-5622	-41	-238	0	-239	22	104.5	77.6	20.2	0.0	182.1	1	
1A	55	-7252	-42	45	0	78	10	134.8	27.5	3.8	0.0	162.2	1	
1B	55	-7252	-18	45	0	78	-21	134.8	35.4	3.8	0.0	170.2	1	
1C	55	-7252	-42	-281	0	-138	10	134.8	43.0	23.8	0.0	177.8	1	
1D	55	-7252	-18	-281	0	-138	-21	134.8	50.9	23.8	0.0	185.7	1	
1E	55	-2750	-42	45	0	78	10	51.1	27.5	3.8	0.0	78.6	1	
1F	55	-2750	-18	45	0	78	-21	51.1	35.4	3.8	0.0	86.5	1	
1G	55	-2750	-42	-281	0	-138	10	51.1	43.0	23.8	0.0	94.1	1	
1H	55	-2750	-18	-281	0	-138	-21	51.1	50.9	23.8	0.0	102.0	1	
1I	55	-10869	-45	148	0	173	16	202.0	56.6	12.5	0.0	258.6	1	
1J	55	-10869	-15	148	0	173	-27	202.0	64.5	12.5	0.0	266.5	1	
1K	55	-10869	-45	-384	0	-234	16	202.0	72.1	32.6	0.0	274.1	1	
1L	55	-10869	-15	-384	0	-234	-27	202.0	80.0	32.6	0.0	282.0	1	
1M	55	868	-45	148	0	173	16	16.1	56.6	12.5	0.0	72.7	1	
1N	55	868	-15	148	0	173	-27	16.1	64.5	12.5	0.0	80.6	1	
1O	55	868	-45	-384	0	-234	16	16.1	72.1	32.6	0.0	88.2	1	
1P	55	868	-15	-384	0	-234	-27	16.1	80.0	32.6	0.0	96.1	1	

2	55	-5288	-41	-272	0	-134	1	98.3	35.2	23.0	0.0	133.9	3
7	55	-5154	-42	-263	0	-124	1	95.8	32.5	22.3	0.0	129.0	3
8	55	-5592	-41	-238	0	-107	-1	103.9	28.4	20.2	0.0	132.4	1
1A	111	-7228	-42	45	0	68	-10	134.3	25.2	3.8	0.0	159.6	1
1B	111	-7228	-18	45	0	68	-33	134.3	42.3	3.8	0.0	176.6	1
1C	111	-7228	-42	-281	0	3	-10	134.3	8.6	23.8	0.0	143.0	1
1D	111	-7228	-18	-281	0	3	-33	134.3	25.6	23.8	0.0	160.0	1
1E	111	-2726	-42	45	0	68	-10	50.7	25.2	3.8	0.0	75.9	1
1F	111	-2726	-18	45	0	68	-33	50.7	42.3	3.8	0.0	92.9	1
1G	111	-2726	-42	-281	0	3	-10	50.7	8.6	23.8	0.0	65.5	4
1H	111	-2726	-18	-281	0	3	-33	50.7	25.6	23.8	0.0	76.3	1
1I	111	-10846	-45	148	0	98	-6	201.6	29.4	12.5	0.0	231.0	1
1J	111	-10846	-15	148	0	98	-38	201.6	53.6	12.5	0.0	255.2	1
1K	111	-10846	-45	-384	0	-27	-6	201.6	11.3	32.6	0.0	213.9	3
1L	111	-10846	-15	-384	0	-27	-38	201.6	35.4	32.6	0.0	237.0	1
1M	111	892	-45	148	0	98	-6	16.6	29.4	12.5	0.0	46.0	1
1N	111	892	-15	148	0	98	-38	16.6	53.6	12.5	0.0	70.1	1
1O	111	892	-45	-384	0	-27	-6	16.6	11.3	32.6	0.0	58.8	4
1P	111	892	-15	-384	0	-27	-38	16.6	35.4	32.6	0.0	59.0	4
2	111	-5258	-41	-272	0	17	-22	97.7	20.7	23.0	0.0	118.4	1
7	111	-5123	-42	-263	0	21	-23	95.2	22.4	22.3	0.0	117.6	1
8	111	-5561	-41	-238	0	24	-24	103.4	24.1	20.2	0.0	127.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7275	80	14	23	23	14	1.03	1.00	170.4	
1B	-7275	80	23	23	23	14	1.03	1.00	177.1	
1C	-7275	166	14	23	23	14	1.03	1.00	192.7	
1D	-7275	166	23	23	23	14	1.03	1.00	199.4	
1E	-2773	80	14	23	23	14	1.03	1.00	84.2	
1F	-2773	80	23	23	23	14	1.03	1.00	90.9	
1G	-2773	166	14	23	23	14	1.03	1.00	106.4	
1H	-2773	166	23	23	23	14	1.03	1.00	113.1	
1I	-10893	189	20	23	23	14	1.03	1.00	272.5	
1J	-10893	189	29	23	23	14	1.03	1.00	278.8	
1K	-10893	275	20	23	23	14	1.03	1.00	294.7	
1L	-10893	275	29	23	23	14	1.03	1.00	301.1	
1M	892	189	20	23	23	14	1.00	1.00	80.3	
1N	892	189	29	23	23	14	1.00	1.00	86.7	
1O	892	275	20	23	23	14	1.00	1.00	102.5	
1P	892	275	29	23	23	14	1.00	1.00	108.9	
2	-5319	164	10	23	23	14	1.03	1.00	151.2	
7	-5184	153	10	23	23	14	1.03	1.00	145.9	
8	-5622	134	10	23	23	14	1.03	1.00	149.2	

ASTA NUM. 309 NI 433 NF 434 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7048	-52	290	0	149	-14	131.0	49.0	24.6	0.0	180.0	1	
1B	0	-7048	-15	290	0	149	-26	131.0	58.0	24.6	0.0	189.0	1	
1C	0	-7048	-52	83	0	-35	-14	131.0	19.6	7.1	0.0	150.6	1	
1D	0	-7048	-15	83	0	-35	-26	131.0	28.5	7.1	0.0	159.5	1	
1E	0	-2726	-52	290	0	149	-14	50.7	49.0	24.6	0.0	99.7	1	
1F	0	-2726	-15	290	0	149	-26	50.7	58.0	24.6	0.0	108.7	1	
1G	0	-2726	-52	83	0	-35	-14	50.7	19.6	7.1	0.0	70.2	1	
1H	0	-2726	-15	83	0	-35	-26	50.7	28.5	7.1	0.0	79.2	1	
1I	0	-10204	-51	450	0	271	-8	189.7	75.4	38.2	0.0	265.1	1	
1J	0	-10204	-16	450	0	271	-33	189.7	94.0	38.2	0.0	283.7	1	
1K	0	-10204	-51	-77	0	-156	-8	189.7	45.9	6.5	0.0	235.6	1	
1L	0	-10204	-16	-77	0	-156	-33	189.7	64.5	6.5	0.0	254.2	1	
1M	0	430	-51	450	0	271	-8	8.0	75.4	38.2	0.0	91.6	3	
1N	0	430	-16	450	0	271	-33	8.0	94.0	38.2	0.0	102.0	1	
1O	0	430	-51	-77	0	-156	-8	8.0	45.9	6.5	0.0	53.9	1	
1P	0	430	-16	-77	0	-156	-33	8.0	64.5	6.5	0.0	72.5	1	
2	0	-5324	-46	208	0	-0	-24	99.0	17.7	17.6	0.0	116.7	1	
7	0	-5198	-46	192	0	2	-23	96.6	18.0	16.3	0.0	114.6	1	
8	0	-5577	-45	216	0	20	-24	103.7	23.3	18.4	0.0	127.0	1	
1A	55	-7025	-52	290	0	-18	-24	130.6	22.3	24.6	0.0	152.9	1	
1B	55	-7025	-15	290	0	-18	-53	130.6	44.5	24.6	0.0	175.1	1	
1C	55	-7025	-52	83	0	-74	-24	130.6	36.9	7.1	0.0	167.4	1	
1D	55	-7025	-15	83	0	-74	-53	130.6	59.1	7.1	0.0	189.6	1	
1E	55	-2703	-52	290	0	-18	-24	50.2	22.3	24.6	0.0	72.6	1	
1F	55	-2703	-15	290	0	-18	-53	50.2	44.5	24.6	0.0	94.8	1	
1G	55	-2703	-52	83	0	-74	-24	50.2	36.9	7.1	0.0	87.1	1	
1H	55	-2703	-15	83	0	-74	-53	50.2	59.1	7.1	0.0	109.3	1	
1I	55	-10181	-51	450	0	18	-21	189.2	20.0	38.2	0.0	209.2	1	
1J	55	-10181	-16	450	0	18	-56	189.2	46.8	38.2	0.0	236.0	1	
1K	55	-10181	-51	-77	0	-110	-21	189.2	43.7	6.5	0.0	232.9	1	
1L	55	-10181	-16	-77	0	-110	-56	189.2	70.5	6.5	0.0	259.7	1	
1M	55	453	-51	450	0	18	-21	8.4	20.0	38.2	0.0	66.7	4	
1N	55	453	-16	450	0	18	-56	8.4	46.8	38.2	0.0	66.8	4	
1O	55	453	-51	-77	0	-110	-21	8.4	43.7	6.5	0.0	52.1	1	
1P	55	453	-16	-77	0	-110	-56	8.4	70.5	6.5	0.0	78.9	1	
2	55	-5294	-46	208	0	-115	-49	98.4	66.2	17.6	0.0	164.6	1	

7	55	-5168	-46	192	0	-104	-49	96.1	63.5	16.3	0.0	159.6	1
8	55	-5546	-45	216	0	-100	-49	103.1	62.5	18.4	0.0	165.6	1
1A	111	-7002	-52	290	0	-185	-33	130.1	72.4	24.6	0.0	202.6	1
1B	111	-7002	-15	290	0	-185	-81	130.1	107.9	24.6	0.0	238.0	1
1C	111	-7002	-52	83	0	-114	-33	130.1	54.2	7.1	0.0	184.3	1
1D	111	-7002	-15	83	0	-114	-81	130.1	89.6	7.1	0.0	219.8	1
1E	111	-2680	-52	290	0	-185	-33	49.8	72.4	24.6	0.0	122.2	1
1F	111	-2680	-15	290	0	-185	-81	49.8	107.9	24.6	0.0	157.7	1
1G	111	-2680	-52	83	0	-114	-33	49.8	54.2	7.1	0.0	104.0	1
1H	111	-2680	-15	83	0	-114	-81	49.8	89.6	7.1	0.0	139.4	1
1I	111	-10158	-51	450	0	-235	-34	188.8	85.6	38.2	0.0	274.4	1
1J	111	-10158	-16	450	0	-235	-80	188.8	120.6	38.2	0.0	309.4	1
1K	111	-10158	-51	-77	0	-64	-34	188.8	41.5	6.5	0.0	230.3	1
1L	111	-10158	-16	-77	0	-64	-80	188.8	76.4	6.5	0.0	265.2	1
1M	111	476	-51	450	0	-235	-34	8.9	85.6	38.2	0.0	94.5	1
1N	111	476	-16	450	0	-235	-80	8.9	120.6	38.2	0.0	129.4	1
1O	111	476	-51	-77	0	-64	-34	8.9	41.5	6.5	0.0	50.3	1
1P	111	476	-16	-77	0	-64	-80	8.9	76.4	6.5	0.0	85.3	1
2	111	-5264	-46	208	0	-231	-74	97.8	114.7	17.6	0.0	212.5	1
7	111	-5137	-46	192	0	-211	-75	95.5	110.0	16.3	0.0	205.5	1
8	111	-5516	-45	216	0	-220	-74	102.5	112.0	18.4	0.0	214.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7048	74	26	23	23	14	1.03	1.00	173.2	
1B	-7048	74	59	23	23	14	1.03	1.00	198.1	
1C	-7048	82	26	23	23	14	1.03	1.00	175.3	
1D	-7048	82	59	23	23	14	1.03	1.00	200.3	
1E	-2726	74	26	23	23	14	1.03	1.00	90.4	
1F	-2726	74	59	23	23	14	1.03	1.00	115.3	
1G	-2726	82	26	23	23	14	1.03	1.00	92.6	
1H	-2726	82	59	23	23	14	1.03	1.00	117.4	
1I	-10204	108	23	23	23	14	1.03	1.00	240.7	
1J	-10204	108	61	23	23	14	1.03	1.00	269.3	
1K	-10204	119	23	23	23	14	1.03	1.00	243.5	
1L	-10204	119	61	23	23	14	1.03	1.00	272.1	
1M	476	108	23	23	23	14	1.00	1.00	54.1	
1N	476	108	61	23	23	14	1.00	1.00	82.5	
1O	476	119	23	23	23	14	1.00	1.00	56.9	
1P	476	119	61	23	23	14	1.00	1.00	85.3	
2	-5324	139	54	23	23	14	1.03	1.00	178.0	
7	-5198	126	54	23	23	14	1.03	1.00	172.5	
8	-5577	124	54	23	23	14	1.03	1.00	179.3	

ASTA NUM. 310 NI 434 NF 435 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7327	89	167	0	-58	-34	136.2	40.5	14.1	0.0	176.7	1	
1B	0	-7327	286	167	0	-58	-108	136.2	95.6	14.1	0.0	231.7	1	
1C	0	-7327	89	-295	0	-198	-34	136.2	76.5	25.0	0.0	212.7	1	
1D	0	-7327	286	-295	0	-198	-108	136.2	131.6	25.0	0.0	267.7	1	
1E	0	-23	89	167	0	-58	-34	0.4	40.5	14.1	0.0	40.9	1	
1F	0	-23	286	167	0	-58	-108	0.4	95.6	14.1	0.0	96.0	1	
1G	0	-23	89	-295	0	-198	-34	0.4	76.5	25.0	0.0	76.9	1	
1H	0	-23	286	-295	0	-198	-108	0.4	131.6	25.0	0.0	132.0	1	
1I	0	-7630	96	326	0	-38	-37	141.8	37.8	27.6	0.0	179.6	1	
1J	0	-7630	279	326	0	-38	-105	141.8	88.0	27.6	0.0	229.8	1	
1K	0	-7630	96	-454	0	-218	-37	141.8	84.0	38.5	0.0	225.8	1	
1L	0	-7630	279	-454	0	-218	-105	141.8	134.3	38.5	0.0	276.1	1	
1M	0	280	96	326	0	-38	-37	5.2	37.8	27.6	0.0	48.2	4	
1N	0	280	279	326	0	-38	-105	5.2	88.0	27.6	0.0	93.2	1	
1O	0	280	96	-454	0	-218	-37	5.2	84.0	38.5	0.0	89.2	1	
1P	0	280	279	-454	0	-218	-105	5.2	134.3	38.5	0.0	139.5	1	
2	0	-6126	247	-300	0	-247	-98	113.9	137.3	25.5	0.0	251.2	1	
7	0	-6143	248	-278	0	-230	-98	114.2	132.4	23.6	0.0	246.6	1	
8	0	-5723	246	-238	0	-224	-97	106.4	130.0	20.1	0.0	236.4	1	
1A	55	-7304	89	167	0	-151	14	135.8	49.8	14.1	0.0	185.5	1	
1B	55	-7304	286	167	0	-151	51	135.8	76.8	14.1	0.0	212.6	1	
1C	55	-7304	89	-295	0	-33	14	135.8	19.4	25.0	0.0	155.1	1	
1D	55	-7304	286	-295	0	-33	51	135.8	46.4	25.0	0.0	182.2	1	
1E	55	-0	89	167	0	-151	14	0.0	49.8	14.1	0.0	49.8	1	
1F	55	-0	286	167	0	-151	51	0.0	76.8	14.1	0.0	76.9	1	
1G	55	-0	89	-295	0	-33	14	0.0	19.4	25.0	0.0	43.4	4	
1H	55	-0	286	-295	0	-33	51	0.0	46.4	25.0	0.0	46.4	1	
1I	55	-7607	96	326	0	-221	15	141.4	67.9	27.6	0.0	209.2	1	
1J	55	-7607	279	326	0	-221	51	141.4	94.7	27.6	0.0	236.1	1	
1K	55	-7607	96	-454	0	37	15	141.4	20.4	38.5	0.0	161.8	1	
1L	55	-7607	279	-454	0	37	51	141.4	47.3	38.5	0.0	188.7	1	
1M	55	303	96	326	0	-221	15	5.6	67.9	27.6	0.0	73.5	1	
1N	55	303	279	326	0	-221	51	5.6	94.7	27.6	0.0	100.4	1	
1O	55	303	96	-454	0	37	15	5.6	20.4	38.5	0.0	67.0	4	
1P	55	303	279	-454	0	37	51	5.6	47.3	38.5	0.0	67.1	4	
2	55	-6096	247	-300	0	-81	38	113.3	49.5	25.5	0.0	162.8	1	
7	55	-6113	248	-278	0	-76	39	113.6	48.7	23.6	0.0	162.3	1	

8	55	-5692	246	-238	0	-92	39	105.8	53.3	20.1	0.0	159.1	1
1A	111	-7281	89	167	0	-245	63	135.3	110.3	14.1	0.0	245.6	1
1B	111	-7281	286	167	0	-245	209	135.3	219.5	14.1	0.0	354.8	1
1C	111	-7281	89	-295	0	132	63	135.3	81.1	25.0	0.0	216.4	1
1D	111	-7281	286	-295	0	132	209	135.3	190.3	25.0	0.0	325.6	1
1E	111	23	89	167	0	-245	63	0.4	110.3	14.1	0.0	110.7	1
1F	111	23	286	167	0	-245	209	0.4	219.5	14.1	0.0	219.9	1
1G	111	23	89	-295	0	132	63	0.4	81.1	25.0	0.0	81.5	1
1H	111	23	286	-295	0	132	209	0.4	190.3	25.0	0.0	190.7	1
1I	111	-7584	96	326	0	-405	67	141.0	154.0	27.6	0.0	294.9	1
1J	111	-7584	279	326	0	-405	206	141.0	258.0	27.6	0.0	399.0	1
1K	111	-7584	96	-454	0	291	67	141.0	124.8	38.5	0.0	265.7	1
1L	111	-7584	279	-454	0	291	206	141.0	228.8	38.5	0.0	369.8	1
1M	111	326	96	326	0	-405	67	6.1	154.0	27.6	0.0	160.0	1
1N	111	326	279	326	0	-405	206	6.1	258.0	27.6	0.0	264.1	1
1O	111	326	96	-454	0	291	67	6.1	124.8	38.5	0.0	130.8	1
1P	111	326	279	-454	0	291	206	6.1	228.8	38.5	0.0	234.9	1
2	111	-6065	247	-300	0	85	175	112.7	153.1	25.5	0.0	265.8	1
7	111	-6083	248	-278	0	78	176	113.1	151.7	23.6	0.0	264.8	1
8	111	-5662	246	-238	0	39	176	105.2	141.5	20.1	0.0	246.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7327	170	25	23	23	14	1.03	1.00	203.1	
1B	-7327	170	84	23	23	14	1.03	1.00	246.9	
1C	-7327	79	25	23	23	14	1.03	1.00	179.6	
1D	-7327	79	84	23	23	14	1.03	1.00	223.5	
1E	-23	170	25	23	23	14	1.03	1.00	63.1	
1F	-23	170	84	23	23	14	1.03	1.00	106.8	
1G	-23	79	25	23	23	14	1.03	1.00	39.7	
1H	-23	79	84	23	23	14	1.03	1.00	83.4	
1I	-7630	258	27	23	23	14	1.03	1.00	232.5	
1J	-7630	258	82	23	23	14	1.03	1.00	274.3	
1K	-7630	116	27	23	23	14	1.03	1.00	196.1	
1L	-7630	116	82	23	23	14	1.03	1.00	237.9	
1M	326	258	27	23	23	14	1.00	1.00	92.4	
1N	326	258	82	23	23	14	1.00	1.00	134.0	
1O	326	116	27	23	23	14	1.00	1.00	56.0	
1P	326	116	82	23	23	14	1.00	1.00	97.6	
2	-6126	114	70	23	23	14	1.03	1.00	199.3	
7	-6143	107	70	23	23	14	1.03	1.00	197.9	
8	-5723	119	70	23	23	14	1.03	1.00	192.9	

ASTA NUM. 311 NI 435 NF 436 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7507	120	176	0	71	179	139.5	152.2	14.9	0.0	291.7	1	
1B	0	-7507	266	176	0	71	63	139.5	65.7	14.9	0.0	205.2	1	
1C	0	-7507	120	-85	0	-163	179	139.5	175.7	7.2	0.0	315.2	1	
1D	0	-7507	266	-85	0	-163	63	139.5	89.1	10.0	0.0	228.7	1	
1E	0	365	120	176	0	71	179	6.8	152.2	14.9	0.0	159.0	1	
1F	0	365	266	176	0	71	63	6.8	65.7	14.9	0.0	72.4	1	
1G	0	365	120	-85	0	-163	179	6.8	175.7	7.2	0.0	182.5	1	
1H	0	365	266	-85	0	-163	63	6.8	89.1	10.0	0.0	95.9	1	
1I	0	-8018	111	402	0	178	179	149.0	179.6	34.1	0.0	328.6	1	
1J	0	-8018	275	402	0	178	63	149.0	93.0	34.1	0.0	242.0	1	
1K	0	-8018	111	-312	0	-269	179	149.0	203.0	26.4	0.0	352.1	1	
1L	0	-8018	275	-312	0	-269	63	149.0	116.5	26.4	0.0	265.5	1	
1M	0	876	111	402	0	178	179	16.3	179.6	34.1	0.0	195.8	1	
1N	0	876	275	402	0	178	63	16.3	93.0	34.1	0.0	109.3	1	
1O	0	876	111	-312	0	-269	179	16.3	203.0	26.4	0.0	219.3	1	
1P	0	876	275	-312	0	-269	63	16.3	116.5	26.4	0.0	132.8	1	
2	0	-6099	257	111	0	77	152	113.4	133.4	9.6	0.0	246.8	1	
7	0	-6135	257	58	0	65	153	114.0	130.8	9.6	0.0	244.9	1	
8	0	-5667	255	91	0	37	153	105.3	124.3	9.6	0.0	229.6	1	
1A	55	-7483	120	176	0	104	326	139.1	270.6	14.9	0.0	409.7	1	
1B	55	-7483	266	176	0	104	130	139.1	124.3	14.9	0.0	263.4	1	
1C	55	-7483	120	-85	0	-246	326	139.1	306.9	7.2	0.0	446.0	1	
1D	55	-7483	266	-85	0	-246	130	139.1	160.7	10.0	0.0	299.7	1	
1E	55	388	120	176	0	104	326	7.2	270.6	14.9	0.0	277.8	1	
1F	55	388	266	176	0	104	130	7.2	124.3	14.9	0.0	131.5	1	
1G	55	388	120	-85	0	-246	326	7.2	306.9	7.2	0.0	314.1	1	
1H	55	388	266	-85	0	-246	130	7.2	160.7	10.0	0.0	167.9	1	
1I	55	-7994	111	402	0	346	331	148.6	336.4	34.1	0.0	485.0	1	
1J	55	-7994	275	402	0	346	125	148.6	182.8	34.1	0.0	331.3	1	
1K	55	-7994	111	-312	0	-487	331	148.6	372.8	26.4	0.0	521.3	1	
1L	55	-7994	275	-312	0	-487	125	148.6	219.1	26.4	0.0	367.7	1	
1M	55	899	111	402	0	346	331	16.7	336.4	34.1	0.0	353.1	1	
1N	55	899	275	402	0	346	125	16.7	182.8	34.1	0.0	199.5	1	
1O	55	899	111	-312	0	-487	331	16.7	372.8	26.4	0.0	389.5	1	
1P	55	899	275	-312	0	-487	125	16.7	219.1	26.4	0.0	235.8	1	
2	55	-6068	257	111	0	16	294	112.8	224.1	9.6	0.0	336.9	1	
7	55	-6104	257	58	0	33	295	113.5	228.9	9.6	0.0	342.3	1	
8	55	-5636	255	91	0	-13	294	104.8	223.9	9.6	0.0	328.7	1	

1A	111	-7460	120	176	0	138	472	138.7	389.0	14.9	0.0	527.6	1
1B	111	-7460	266	176	0	138	197	138.7	183.0	14.9	0.0	321.6	1
1C	111	-7460	120	-85	0	-329	472	138.7	438.2	7.2	0.0	576.8	1
1D	111	-7460	266	-85	0	-329	197	138.7	232.2	10.0	0.0	370.8	1
1E	111	412	120	176	0	138	472	7.7	389.0	14.9	0.0	396.6	1
1F	111	412	266	176	0	138	197	7.7	183.0	14.9	0.0	190.6	1
1G	111	412	120	-85	0	-329	472	7.7	438.2	7.2	0.0	445.8	1
1H	111	412	266	-85	0	-329	197	7.7	232.2	10.0	0.0	239.8	1
1I	111	-7971	111	402	0	514	482	148.2	493.3	34.1	0.0	641.4	1
1J	111	-7971	275	402	0	514	187	148.2	272.5	34.1	0.0	420.7	1
1K	111	-7971	111	-312	0	-705	482	148.2	542.5	26.4	0.0	690.6	1
1L	111	-7971	275	-312	0	-705	187	148.2	321.7	26.4	0.0	469.9	1
1M	111	923	111	402	0	514	482	17.2	493.3	34.1	0.0	510.4	1
1N	111	923	275	402	0	514	187	17.2	272.5	34.1	0.0	289.7	1
1O	111	923	111	-312	0	-705	482	17.2	542.5	26.4	0.0	559.6	1
1P	111	923	275	-312	0	-705	187	17.2	321.7	26.4	0.0	338.9	1
2	111	-6038	257	111	0	-45	436	112.2	338.0	9.6	0.0	450.2	1
7	111	-6074	257	58	0	1	436	112.9	326.9	9.6	0.0	439.8	1
8	111	-5606	255	91	0	-64	436	104.2	342.6	9.6	0.0	446.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7507	111	355	23	23	14	1.03	1.00	439.0	
1B	-7507	111	144	23	23	14	1.03	1.00	280.2	
1C	-7507	262	355	23	23	14	1.03	1.00	477.9	
1D	-7507	262	144	23	23	14	1.03	1.00	319.1	
1E	412	111	355	23	23	14	1.00	1.00	301.9	
1F	412	111	144	23	23	14	1.00	1.00	143.7	
1G	412	262	355	23	23	14	1.00	1.00	340.8	
1H	412	262	144	23	23	14	1.00	1.00	182.6	
1I	-8018	380	361	23	23	14	1.03	1.00	522.5	
1J	-8018	380	138	23	23	14	1.03	1.00	354.7	
1K	-8018	531	361	23	23	14	1.03	1.00	561.4	
1L	-8018	531	138	23	23	14	1.03	1.00	393.7	
1M	923	380	361	23	23	14	1.00	1.00	384.9	
1N	923	380	138	23	23	14	1.00	1.00	217.9	
1O	923	531	361	23	23	14	1.00	1.00	423.9	
1P	923	531	138	23	23	14	1.00	1.00	256.8	
2	-6099	31	322	23	23	14	1.03	1.00	366.6	
7	-6135	39	323	23	23	14	1.03	1.00	369.9	
8	-5667	26	323	23	23	14	1.03	1.00	357.3	

ASTA NUM. 312 NI 436 NF 965 Lungh. 10.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5116	-5109	143	0	121	464	95.1	378.3	191.6	0.0	473.4	1	
1B	0	-5116	13067	143	0	121	251	95.1	218.9	490.0	0.0	858.7	3	
1C	0	-5116	-5109	-415	0	-348	464	95.1	436.7	191.6	0.0	531.8	1	
1D	0	-5116	13067	-415	0	-348	251	95.1	277.3	490.0	0.0	869.5	3	
1E	0	-2454	-5109	143	0	121	464	45.6	378.3	191.6	0.0	423.9	1	
1F	0	-2454	13067	143	0	121	251	45.6	218.9	490.0	0.0	852.6	3	
1G	0	-2454	-5109	-415	0	-348	464	45.6	436.7	191.6	0.0	482.3	1	
1H	0	-2454	13067	-415	0	-348	251	45.6	277.3	490.0	0.0	860.6	3	
1I	0	-6123	-546	496	0	536	492	113.8	506.1	42.1	0.0	619.9	1	
1J	0	-6123	8504	496	0	536	223	113.8	304.9	318.9	0.0	606.8	3	
1K	0	-6123	-546	-768	0	-763	492	113.8	564.5	65.1	0.0	678.3	1	
1L	0	-6123	8504	-768	0	-763	223	113.8	363.3	318.9	0.0	634.1	3	
1M	0	-1447	-546	496	0	536	492	26.9	506.1	42.1	0.0	533.0	1	
1N	0	-1447	8504	496	0	536	223	26.9	304.9	318.9	0.0	577.5	3	
1O	0	-1447	-546	-768	0	-763	492	26.9	564.5	65.1	0.0	591.4	1	
1P	0	-1447	8504	-768	0	-763	223	26.9	363.3	318.9	0.0	598.6	3	
2	0	-4279	4926	196	0	10	469	79.5	353.4	184.7	0.0	432.9	1	
7	0	-4678	5061	193	0	40	467	87.0	360.2	189.8	0.0	447.1	1	
8	0	-4488	4979	91	0	-32	468	83.4	358.4	186.7	0.0	441.8	1	
1A	5	-5114	-5109	143	0	120	1160	95.1	898.8	191.6	0.0	993.9	1	
1B	5	-5114	13067	143	0	120	-20	95.1	46.0	490.0	0.0	857.8	3	
1C	5	-5114	-5109	-415	0	-333	1160	95.1	953.5	191.6	0.0	1048.6	1	
1D	5	-5114	13067	-415	0	-333	-20	95.1	100.7	490.0	0.0	867.7	3	
1E	5	-2451	-5109	143	0	120	1160	45.6	898.8	191.6	0.0	944.4	1	
1F	5	-2451	13067	143	0	120	-20	45.6	46.0	490.0	0.0	852.1	3	
1G	5	-2451	-5109	-415	0	-333	1160	45.6	953.5	191.6	0.0	999.1	1	
1H	5	-2451	13067	-415	0	-333	-20	45.6	100.7	490.0	0.0	859.2	3	
1I	5	-6120	-546	496	0	512	941	113.8	836.3	42.1	0.0	950.0	1	
1J	5	-6120	8504	496	0	512	198	113.8	280.2	318.9	0.0	604.3	3	
1K	5	-6120	-546	-768	0	-725	941	113.8	891.0	65.1	0.0	1004.7	1	
1L	5	-6120	8504	-768	0	-725	198	113.8	334.9	318.9	0.0	629.7	3	
1M	5	-1445	-546	496	0	512	941	26.9	836.3	42.1	0.0	863.1	1	
1N	5	-1445	8504	496	0	512	198	26.9	280.2	318.9	0.0	575.9	3	
1O	5	-1445	-546	-768	0	-725	941	26.9	891.0	65.1	0.0	917.8	1	
1P	5	-1445	8504	-768	0	-725	198	26.9	334.9	318.9	0.0	595.4	3	
2	5	-4276	4926	196	0	-0	731	79.5	547.5	184.7	0.0	627.0	1	
7	5	-4675	5061	193	0	30	737	86.9	559.5	189.8	0.0	646.4	1	
8	5	-4485	4979	91	0	-37	733	83.4	558.4	186.7	0.0	641.8	1	

1A	11	-5111	-5109	143	0	120	1855	95.0	1419.4	191.6	0.0	1514.4	1
1B	11	-5111	13067	143	0	120	-291	95.0	248.9	490.0	0.0	858.8	3
1C	11	-5111	-5109	-415	0	-318	1855	95.0	1470.3	191.6	0.0	1565.3	1
1D	11	-5111	13067	-415	0	-318	-291	95.0	299.8	490.0	0.0	868.3	3
1E	11	-2449	-5109	143	0	120	1855	45.5	1419.4	191.6	0.0	1464.9	1
1F	11	-2449	13067	143	0	120	-291	45.5	248.9	490.0	0.0	852.7	3
1G	11	-2449	-5109	-415	0	-318	1855	45.5	1470.3	191.6	0.0	1515.9	1
1H	11	-2449	13067	-415	0	-318	-291	45.5	299.8	490.0	0.0	859.7	3
1I	11	-6118	-546	496	0	489	1390	113.7	1166.4	42.1	0.0	1280.1	1
1J	11	-6118	8504	496	0	489	173	113.7	255.6	318.9	0.0	602.0	3
1K	11	-6118	-546	-768	0	-687	1390	113.7	1217.4	65.1	0.0	1331.1	1
1L	11	-6118	8504	-768	0	-687	173	113.7	306.5	318.9	0.0	625.5	3
1M	11	-1442	-546	496	0	489	1390	26.8	1166.4	42.1	0.0	1193.2	1
1N	11	-1442	8504	496	0	489	173	26.8	255.6	318.9	0.0	574.4	3
1O	11	-1442	-546	-768	0	-687	1390	26.8	1217.4	65.1	0.0	1244.2	1
1P	11	-1442	8504	-768	0	-687	173	26.8	306.5	318.9	0.0	592.3	3
2	11	-4273	4926	196	0	-11	994	79.4	746.9	184.7	0.0	826.3	1
7	11	-4672	5061	193	0	20	1007	86.8	758.9	189.8	0.0	845.7	1
8	11	-4482	4979	91	0	-42	999	83.3	758.5	186.7	0.0	841.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5116	120	1299	3	3	2	1.00	1.00	1098.6	
1B	-5116	120	117	3	3	2	1.00	1.00	213.3	
1C	-5116	336	1299	3	3	2	1.00	1.00	1154.0	
1D	-5116	336	117	3	3	2	1.00	1.00	268.8	
1E	-2454	120	1299	3	3	2	1.00	1.00	1048.8	
1F	-2454	120	117	3	3	2	1.00	1.00	163.8	
1G	-2454	336	1299	3	3	2	1.00	1.00	1104.3	
1H	-2454	336	117	3	3	2	1.00	1.00	219.2	
1I	-6123	517	1031	3	3	2	1.00	1.00	1019.0	
1J	-6123	517	203	3	3	2	1.00	1.00	399.1	
1K	-6123	732	1031	3	3	2	1.00	1.00	1074.5	
1L	-6123	732	203	3	3	2	1.00	1.00	454.6	
1M	-1447	517	1031	3	3	2	1.00	1.00	931.8	
1N	-1447	517	203	3	3	2	1.00	1.00	312.1	
1O	-1447	732	1031	3	3	2	1.00	1.00	987.2	
1P	-1447	732	203	3	3	2	1.00	1.00	367.6	
2	-4279	4	784	3	3	2	1.00	1.00	667.6	
7	-4678	32	791	3	3	2	1.00	1.00	687.7	
8	-4488	38	787	3	3	2	1.00	1.00	682.1	

ASTA NUM. 313 NI 521 NF 522 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8339	-20	272	0	246	27	155.0	83.5	23.0	0.0	238.5	1	
1B	0	-8339	15	272	0	246	-30	155.0	86.2	23.0	0.0	241.2	1	
1C	0	-8339	-20	-225	0	-209	27	155.0	74.0	19.1	0.0	229.0	1	
1D	0	-8339	15	-225	0	-209	-30	155.0	76.7	19.1	0.0	231.6	1	
1E	0	7132	-20	272	0	246	27	132.6	83.5	23.0	0.0	216.1	1	
1F	0	7132	15	272	0	246	-30	132.6	86.2	23.0	0.0	218.7	1	
1G	0	7132	-20	-225	0	-209	27	132.6	74.0	19.1	0.0	206.5	1	
1H	0	7132	15	-225	0	-209	-30	132.6	76.7	19.1	0.0	209.2	1	
1I	0	-3901	-13	150	0	171	8	72.5	50.0	12.7	0.0	122.5	1	
1J	0	-3901	7	150	0	171	-12	72.5	52.7	12.7	0.0	125.2	1	
1K	0	-3901	-13	-103	0	-134	8	72.5	40.4	8.8	0.0	113.0	1	
1L	0	-3901	7	-103	0	-134	-12	72.5	43.1	8.8	0.0	115.6	1	
1M	0	2694	-13	150	0	171	8	50.1	50.0	12.7	0.0	100.1	1	
1N	0	2694	7	150	0	171	-12	50.1	52.7	12.7	0.0	102.7	1	
1O	0	2694	-13	-103	0	-134	8	50.1	40.4	8.8	0.0	90.5	1	
1P	0	2694	7	-103	0	-134	-12	50.1	43.1	8.8	0.0	93.2	1	
2	0	-3198	-14	-97	0	-68	-6	59.4	22.3	8.3	0.0	81.7	1	
7	0	-2690	-10	-67	0	-55	-5	50.0	17.8	5.6	0.0	67.8	1	
8	0	-2872	-12	-98	0	-61	-6	53.4	19.9	8.3	0.0	73.3	1	
1A	55	-8315	-20	272	0	87	35	154.6	48.7	23.0	0.0	203.2	1	
1B	55	-8315	15	272	0	87	-42	154.6	53.6	23.0	0.0	208.1	1	
1C	55	-8315	-20	-225	0	-76	35	154.6	45.8	19.1	0.0	200.4	1	
1D	55	-8315	15	-225	0	-76	-42	154.6	50.7	19.1	0.0	205.3	1	
1E	55	7155	-20	272	0	87	35	133.0	48.7	23.0	0.0	181.7	1	
1F	55	7155	15	272	0	87	-42	133.0	53.6	23.0	0.0	186.6	1	
1G	55	7155	-20	-225	0	-76	35	133.0	45.8	19.1	0.0	178.8	1	
1H	55	7155	15	-225	0	-76	-42	133.0	50.7	19.1	0.0	183.7	1	
1I	55	-3878	-13	150	0	105	11	72.1	35.6	12.7	0.0	107.7	1	
1J	55	-3878	7	150	0	105	-18	72.1	40.5	12.7	0.0	112.6	1	
1K	55	-3878	-13	-103	0	-94	11	72.1	32.7	8.8	0.0	104.8	1	
1L	55	-3878	7	-103	0	-94	-18	72.1	37.6	8.8	0.0	109.7	1	
1M	55	2718	-13	150	0	105	11	50.5	35.6	12.7	0.0	86.1	1	
1N	55	2718	7	150	0	105	-18	50.5	40.5	12.7	0.0	91.0	1	
1O	55	2718	-13	-103	0	-94	11	50.5	32.7	8.8	0.0	83.3	1	
1P	55	2718	7	-103	0	-94	-18	50.5	37.6	8.8	0.0	88.2	1	
2	55	-3168	-14	-33	0	-32	-14	58.9	18.7	2.8	0.0	77.5	1	
7	55	-2660	-10	-22	0	-30	-10	49.4	15.6	1.9	0.0	65.1	1	
8	55	-2842	-12	-34	0	-25	-12	52.8	15.5	2.9	0.0	68.3	1	
1A	111	-8292	-20	272	0	-72	43	154.1	51.0	23.0	0.0	205.1	1	

1B	111	-8292	15	272	0	-72	-53	154.1	58.1	23.0	0.0	212.2	1
1C	111	-8292	-20	-225	0	57	43	154.1	47.2	19.1	0.0	201.3	1
1D	111	-8292	15	-225	0	57	-53	154.1	54.3	19.1	0.0	208.4	1
1E	111	7179	-20	272	0	-72	43	133.4	51.0	23.0	0.0	184.4	1
1F	111	7179	15	272	0	-72	-53	133.4	58.1	23.0	0.0	191.5	1
1G	111	7179	-20	-225	0	57	43	133.4	47.2	19.1	0.0	180.6	1
1H	111	7179	15	-225	0	57	-53	133.4	54.3	19.1	0.0	187.7	1
1I	111	-3854	-13	150	0	39	15	71.6	21.2	12.7	0.0	92.9	1
1J	111	-3854	7	150	0	39	-24	71.6	28.3	12.7	0.0	100.0	1
1K	111	-3854	-13	-103	0	-54	15	71.6	25.1	8.8	0.0	96.7	1
1L	111	-3854	7	-103	0	-54	-24	71.6	32.2	8.8	0.0	103.8	1
1M	111	2741	-13	150	0	39	15	51.0	21.2	12.7	0.0	72.2	1
1N	111	2741	7	150	0	39	-24	51.0	28.3	12.7	0.0	79.3	1
1O	111	2741	-13	-103	0	-54	15	51.0	25.1	8.8	0.0	76.0	1
1P	111	2741	7	-103	0	-54	-24	51.0	32.2	8.8	0.0	83.1	1
2	111	-3137	-14	30	0	-31	-22	58.3	24.2	2.6	0.0	82.5	1
7	111	-2629	-10	23	0	-31	-16	48.9	19.9	1.9	0.0	68.7	1
8	111	-2811	-12	30	0	-24	-19	52.2	20.2	2.5	0.0	72.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8339	119	37	23	23	14	1.03	1.00	217.9	
1B	-8339	119	44	23	23	14	1.03	1.00	223.3	
1C	-8339	103	37	23	23	14	1.03	1.00	213.7	
1D	-8339	103	44	23	23	14	1.03	1.00	219.1	
1E	7179	119	37	23	23	14	1.00	1.00	191.5	
1F	7179	119	44	23	23	14	1.00	1.00	196.9	
1G	7179	103	37	23	23	14	1.00	1.00	187.3	
1H	7179	103	44	23	23	14	1.00	1.00	192.7	
1I	-3901	118	12	23	23	14	1.03	1.00	114.3	
1J	-3901	118	19	23	23	14	1.03	1.00	119.6	
1K	-3901	102	12	23	23	14	1.03	1.00	110.1	
1L	-3901	102	19	23	23	14	1.03	1.00	115.4	
1M	2741	118	12	23	23	14	1.00	1.00	90.5	
1N	2741	118	19	23	23	14	1.00	1.00	95.8	
1O	2741	102	12	23	23	14	1.00	1.00	86.3	
1P	2741	102	19	23	23	14	1.00	1.00	91.6	
2	-3198	54	15	23	23	14	1.03	1.00	86.6	
7	-2690	45	12	23	23	14	1.03	1.00	71.8	
8	-2872	46	14	23	23	14	1.03	1.00	77.0	

ASTA NUM. 314 NI 522 NF 523 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8124	-9	215	0	104	44	151.0	59.7	18.2	0.0	210.7	1	
1B	0	-8124	4	215	0	104	-52	151.0	65.9	18.2	0.0	216.9	1	
1C	0	-8124	-9	-233	0	-114	44	151.0	62.2	19.8	0.0	213.2	1	
1D	0	-8124	4	-233	0	-114	-52	151.0	68.5	19.8	0.0	219.5	1	
1E	0	6994	-9	215	0	104	44	130.0	59.7	18.2	0.0	189.7	1	
1F	0	6994	4	215	0	104	-52	130.0	65.9	18.2	0.0	195.9	1	
1G	0	6994	-9	-233	0	-114	44	130.0	62.2	19.8	0.0	192.2	1	
1H	0	6994	4	-233	0	-114	-52	130.0	68.5	19.8	0.0	198.5	1	
1I	0	-3752	-13	77	0	69	13	69.7	27.3	6.5	0.0	97.0	1	
1J	0	-3752	8	77	0	69	-21	69.7	33.5	6.5	0.0	103.3	1	
1K	0	-3752	-13	-96	0	-79	13	69.7	29.8	8.1	0.0	99.6	1	
1L	0	-3752	8	-96	0	-79	-21	69.7	36.1	8.1	0.0	105.8	1	
1M	0	2622	-13	77	0	69	13	48.7	27.3	6.5	0.0	76.0	1	
1N	0	2622	8	77	0	69	-21	48.7	33.5	6.5	0.0	82.3	1	
1O	0	2622	-13	-96	0	-79	13	48.7	29.8	8.1	0.0	78.6	1	
1P	0	2622	8	-96	0	-79	-21	48.7	36.1	8.1	0.0	84.8	1	
2	0	-2980	-14	-130	0	-70	-17	55.4	30.9	11.0	0.0	86.3	1	
7	0	-2511	-9	-97	0	-60	-13	46.7	25.2	8.2	0.0	71.9	1	
8	0	-2657	-12	-128	0	-62	-15	49.4	27.2	10.8	0.0	76.6	1	
1A	55	-8101	-9	215	0	-25	46	150.6	40.7	18.2	0.0	191.3	1	
1B	55	-8101	4	215	0	-25	-57	150.6	49.2	18.2	0.0	199.7	1	
1C	55	-8101	-9	-233	0	25	46	150.6	40.8	19.8	0.0	191.4	1	
1D	55	-8101	4	-233	0	25	-57	150.6	49.3	19.8	0.0	199.9	1	
1E	55	7017	-9	215	0	-25	46	130.4	40.7	18.2	0.0	171.1	1	
1F	55	7017	4	215	0	-25	-57	130.4	49.2	18.2	0.0	179.6	1	
1G	55	7017	-9	-233	0	25	46	130.4	40.8	19.8	0.0	171.3	1	
1H	55	7017	4	-233	0	25	-57	130.4	49.3	19.8	0.0	179.7	1	
1I	55	-3729	-13	77	0	-6	16	69.3	13.6	6.5	0.0	82.9	1	
1J	55	-3729	8	77	0	-6	-27	69.3	22.1	6.5	0.0	91.4	1	
1K	55	-3729	-13	-96	0	7	16	69.3	13.8	8.1	0.0	83.1	1	
1L	55	-3729	8	-96	0	7	-27	69.3	22.2	8.1	0.0	91.6	1	
1M	55	2645	-13	77	0	-6	16	49.2	13.6	6.5	0.0	62.8	1	
1N	55	2645	8	77	0	-6	-27	49.2	22.1	6.5	0.0	71.3	1	
1O	55	2645	-13	-96	0	7	16	49.2	13.8	8.1	0.0	62.9	1	
1P	55	2645	8	-96	0	7	-27	49.2	22.2	8.1	0.0	71.4	1	
2	55	-2950	-14	-66	0	-16	-25	54.8	22.6	5.6	0.0	77.4	1	
7	55	-2481	-9	-52	0	-19	-18	46.1	18.4	4.4	0.0	64.6	1	
8	55	-2626	-12	-64	0	-9	-22	48.8	18.4	5.4	0.0	67.2	1	
1A	111	-8077	-9	215	0	-153	48	150.1	75.1	18.2	0.0	225.2	1	
1B	111	-8077	4	215	0	-153	-62	150.1	85.8	18.2	0.0	235.9	1	

1C	111	-8077	-9	-233	0	164	48	150.1	77.9	19.8	0.0	228.0	1
1D	111	-8077	4	-233	0	164	-62	150.1	88.6	19.8	0.0	238.8	1
1E	111	7041	-9	215	0	-153	48	130.9	75.1	18.2	0.0	205.9	1
1F	111	7041	4	215	0	-153	-62	130.9	85.8	18.2	0.0	216.7	1
1G	111	7041	-9	-233	0	164	48	130.9	77.9	19.8	0.0	208.8	1
1H	111	7041	4	-233	0	164	-62	130.9	88.6	19.8	0.0	219.5	1
1I	111	-3705	-13	77	0	-81	20	68.9	35.5	6.5	0.0	104.4	1
1J	111	-3705	8	77	0	-81	-34	68.9	46.2	6.5	0.0	115.1	1
1K	111	-3705	-13	-96	0	92	20	68.9	38.3	8.1	0.0	107.2	1
1L	111	-3705	8	-96	0	92	-34	68.9	49.1	8.1	0.0	117.9	1
1M	111	2668	-13	77	0	-81	20	49.6	35.5	6.5	0.0	85.1	1
1N	111	2668	8	77	0	-81	-34	49.6	46.2	6.5	0.0	95.8	1
1O	111	2668	-13	-96	0	92	20	49.6	38.3	8.1	0.0	87.9	1
1P	111	2668	8	-96	0	92	-34	49.6	49.1	8.1	0.0	98.6	1
2	111	-2919	-14	-2	0	3	-32	54.3	24.7	0.5	0.0	79.0	1
7	111	-2451	-9	-7	0	-2	-23	45.6	18.0	0.6	0.0	63.6	1
8	111	-2596	-12	-0	0	9	-28	48.3	23.2	0.4	0.0	71.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8124	61	46	23	23	14	1.03	1.00	206.0	
1B	-8124	61	58	23	23	14	1.03	1.00	215.0	
1C	-8124	66	46	23	23	14	1.03	1.00	207.2	
1D	-8124	66	58	23	23	14	1.03	1.00	216.1	
1E	7041	61	46	23	23	14	1.00	1.00	181.2	
1F	7041	61	58	23	23	14	1.00	1.00	190.2	
1G	7041	66	46	23	23	14	1.00	1.00	182.3	
1H	7041	66	58	23	23	14	1.00	1.00	191.3	
1I	-3752	32	17	23	23	14	1.03	1.00	92.8	
1J	-3752	32	29	23	23	14	1.03	1.00	101.7	
1K	-3752	37	17	23	23	14	1.03	1.00	93.9	
1L	-3752	37	29	23	23	14	1.03	1.00	102.9	
1M	2668	32	17	23	23	14	1.00	1.00	70.5	
1N	2668	32	29	23	23	14	1.00	1.00	79.5	
1O	2668	37	17	23	23	14	1.00	1.00	71.7	
1P	2668	37	29	23	23	14	1.00	1.00	80.6	
2	-2980	41	26	23	23	14	1.03	1.00	87.2	
7	-2511	37	19	23	23	14	1.03	1.00	72.0	
8	-2657	34	23	23	23	14	1.03	1.00	76.6	

ASTA NUM. 315 NI 523 NF 524 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5979	-6	173	0	136	52	111.1	74.0	14.7	0.0	185.1	1	
1B	0	-5979	3	173	0	136	-68	111.1	86.0	14.7	0.0	197.1	1	
1C	0	-5979	-6	-137	0	-120	52	111.1	70.0	11.6	0.0	181.1	1	
1D	0	-5979	3	-137	0	-120	-68	111.1	82.0	11.6	0.0	193.1	1	
1E	0	4663	-6	173	0	136	52	86.7	74.0	14.7	0.0	160.6	1	
1F	0	4663	3	173	0	136	-68	86.7	86.0	14.7	0.0	172.7	1	
1G	0	4663	-6	-137	0	-120	52	86.7	70.0	11.6	0.0	156.6	1	
1H	0	4663	3	-137	0	-120	-68	86.7	82.0	11.6	0.0	168.7	1	
1I	0	-2523	-12	112	0	97	17	46.9	37.8	9.5	0.0	84.6	1	
1J	0	-2523	9	112	0	97	-33	46.9	49.8	9.5	0.0	96.7	1	
1K	0	-2523	-12	-75	0	-82	17	46.9	33.7	6.4	0.0	80.6	1	
1L	0	-2523	9	-75	0	-82	-33	46.9	45.8	6.4	0.0	92.7	1	
1M	0	1207	-12	112	0	97	17	22.4	37.8	9.5	0.0	60.2	1	
1N	0	1207	9	112	0	97	-33	22.4	49.8	9.5	0.0	72.2	1	
1O	0	1207	-12	-75	0	-82	17	22.4	33.7	6.4	0.0	56.2	1	
1P	0	1207	9	-75	0	-82	-33	22.4	45.8	6.4	0.0	68.2	1	
2	0	-1302	-9	-87	0	-26	-33	24.2	31.1	7.4	0.0	55.3	1	
7	0	-1222	-6	-61	0	-24	-24	22.7	24.5	5.2	0.0	47.2	1	
8	0	-1034	-8	-86	0	-20	-28	19.2	26.2	7.3	0.0	45.5	1	
1A	55	-5955	-6	173	0	39	52	110.7	49.3	14.7	0.0	160.0	1	
1B	55	-5955	3	173	0	39	-70	110.7	62.6	14.7	0.0	173.3	1	
1C	55	-5955	-6	-137	0	-44	52	110.7	50.5	11.6	0.0	161.2	1	
1D	55	-5955	3	-137	0	-44	-70	110.7	63.8	11.6	0.0	174.5	1	
1E	55	4686	-6	173	0	39	52	87.1	49.3	14.7	0.0	136.4	1	
1F	55	4686	3	173	0	39	-70	87.1	62.6	14.7	0.0	149.7	1	
1G	55	4686	-6	-137	0	-44	52	87.1	50.5	11.6	0.0	137.6	1	
1H	55	4686	3	-137	0	-44	-70	87.1	63.8	11.6	0.0	150.9	1	
1I	55	-2500	-12	112	0	34	21	46.5	24.5	9.5	0.0	71.0	1	
1J	55	-2500	9	112	0	34	-39	46.5	37.8	9.5	0.0	84.3	1	
1K	55	-2500	-12	-75	0	-39	21	46.5	25.7	6.4	0.0	72.1	1	
1L	55	-2500	9	-75	0	-39	-39	46.5	39.0	6.4	0.0	85.4	1	
1M	55	1231	-12	112	0	34	21	22.9	24.5	9.5	0.0	47.4	1	
1N	55	1231	9	112	0	34	-39	22.9	37.8	9.5	0.0	60.7	1	
1O	55	1231	-12	-75	0	-39	21	22.9	25.7	6.4	0.0	48.5	1	
1P	55	1231	9	-75	0	-39	-39	22.9	39.0	6.4	0.0	61.8	1	
2	55	-1272	-9	-23	0	4	-38	23.6	29.2	1.9	0.0	52.8	1	
7	55	-1192	-6	-16	0	-3	-28	22.1	21.4	1.4	0.0	43.5	1	
8	55	-1004	-8	-23	0	11	-33	18.7	27.2	1.9	0.0	45.9	1	
1A	111	-5932	-6	173	0	-57	53	110.3	54.0	14.7	0.0	164.2	1	
1B	111	-5932	3	173	0	-57	-72	110.3	68.5	14.7	0.0	178.8	1	
1C	111	-5932	-6	-137	0	32	53	110.3	47.6	11.6	0.0	157.9	1	

1D	111	-5932	3	-137	0	32	-72	110.3	62.2	11.6	0.0	172.4	1
1E	111	4710	-6	173	0	-57	53	87.5	54.0	14.7	0.0	141.5	1
1F	111	4710	3	173	0	-57	-72	87.5	68.5	14.7	0.0	156.1	1
1G	111	4710	-6	-137	0	32	53	87.5	47.6	11.6	0.0	135.2	1
1H	111	4710	3	-137	0	32	-72	87.5	62.2	11.6	0.0	149.7	1
1I	111	-2476	-12	112	0	-30	25	46.0	26.4	9.5	0.0	72.5	1
1J	111	-2476	9	112	0	-30	-45	46.0	41.0	9.5	0.0	87.0	1
1K	111	-2476	-12	-75	0	5	25	46.0	20.1	6.4	0.0	66.1	1
1L	111	-2476	9	-75	0	5	-45	46.0	34.6	6.4	0.0	80.7	1
1M	111	1254	-12	112	0	-30	25	23.3	26.4	9.5	0.0	49.8	1
1N	111	1254	9	112	0	-30	-45	23.3	41.0	9.5	0.0	64.3	1
1O	111	1254	-12	-75	0	5	25	23.3	20.1	6.4	0.0	43.4	1
1P	111	1254	9	-75	0	5	-45	23.3	34.6	6.4	0.0	57.9	1
2	111	-1241	-9	41	0	-1	-43	23.1	32.3	3.5	0.0	55.4	1
7	111	-1161	-6	28	0	-6	-31	21.6	24.6	2.4	0.0	46.2	1
8	111	-973	-8	41	0	5	-37	18.1	29.2	3.5	0.0	47.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5979	59	52	23	23	14	1.03	1.00	168.9	
1B	-5979	59	71	23	23	14	1.03	1.00	182.5	
1C	-5979	59	52	23	23	14	1.03	1.00	169.0	
1D	-5979	59	71	23	23	14	1.03	1.00	182.6	
1E	4710	59	52	23	23	14	1.00	1.00	141.8	
1F	4710	59	71	23	23	14	1.00	1.00	155.4	
1G	4710	59	52	23	23	14	1.00	1.00	142.0	
1H	4710	59	71	23	23	14	1.00	1.00	155.5	
1I	-2523	47	22	23	23	14	1.03	1.00	76.7	
1J	-2523	47	40	23	23	14	1.03	1.00	90.3	
1K	-2523	47	22	23	23	14	1.03	1.00	76.8	
1L	-2523	47	40	23	23	14	1.03	1.00	90.4	
1M	1254	47	22	23	23	14	1.00	1.00	51.7	
1N	1254	47	40	23	23	14	1.00	1.00	65.2	
1O	1254	47	22	23	23	14	1.00	1.00	51.8	
1P	1254	47	40	23	23	14	1.00	1.00	65.4	
2	-1302	16	39	23	23	14	1.03	1.00	58.1	
7	-1222	17	28	23	23	14	1.03	1.00	48.9	
8	-1034	10	34	23	23	14	1.03	1.00	47.4	

ASTA NUM. 316 NI 524 NF 525 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5773	-23	152	0	77	61	107.3	65.8	12.9	0.0	173.1	1	
1B	0	-5773	35	152	0	77	-85	107.3	83.4	12.9	0.0	190.7	1	
1C	0	-5773	-23	-162	0	-98	61	107.3	71.0	13.8	0.0	178.3	1	
1D	0	-5773	35	-162	0	-98	-85	107.3	88.6	13.8	0.0	196.0	1	
1E	0	4536	-23	152	0	77	61	84.3	65.8	12.9	0.0	150.1	1	
1F	0	4536	35	152	0	77	-85	84.3	83.4	12.9	0.0	167.7	1	
1G	0	4536	-23	-162	0	-98	61	84.3	71.0	13.8	0.0	155.3	1	
1H	0	4536	35	-162	0	-98	-85	84.3	88.6	13.8	0.0	173.0	1	
1I	0	-2424	-9	60	0	28	26	45.1	26.3	5.1	0.0	71.4	1	
1J	0	-2424	20	60	0	28	-49	45.1	44.0	5.1	0.0	89.0	1	
1K	0	-2424	-9	-71	0	-48	26	45.1	31.5	6.0	0.0	76.6	1	
1L	0	-2424	20	-71	0	-48	-49	45.1	49.2	6.0	0.0	94.3	1	
1M	0	1187	-9	60	0	28	26	22.1	26.3	5.1	0.0	48.4	1	
1N	0	1187	20	60	0	28	-49	22.1	44.0	5.1	0.0	66.0	1	
1O	0	1187	-9	-71	0	-48	26	22.1	31.5	6.0	0.0	53.6	1	
1P	0	1187	20	-71	0	-48	-49	22.1	49.2	6.0	0.0	71.3	1	
2	0	-1160	16	-98	0	-21	-49	21.6	42.1	8.3	0.0	63.6	1	
7	0	-1097	13	-74	0	-22	-36	20.4	32.3	6.3	0.0	52.7	1	
8	0	-896	14	-95	0	-13	-43	16.7	35.3	8.0	0.0	52.0	1	
1A	55	-5750	-23	152	0	-7	50	106.9	39.3	12.9	0.0	146.2	1	
1B	55	-5750	35	152	0	-7	-68	106.9	52.4	12.9	0.0	159.3	1	
1C	55	-5750	-23	-162	0	-7	50	106.9	39.3	13.8	0.0	146.2	1	
1D	55	-5750	35	-162	0	-7	-68	106.9	52.4	13.8	0.0	159.3	1	
1E	55	4559	-23	152	0	-7	50	84.7	39.3	12.9	0.0	124.1	1	
1F	55	4559	35	152	0	-7	-68	84.7	52.4	12.9	0.0	137.2	1	
1G	55	4559	-23	-162	0	-7	50	84.7	39.3	13.8	0.0	124.1	1	
1H	55	4559	35	-162	0	-7	-68	84.7	52.4	13.8	0.0	137.1	1	
1I	55	-2401	-9	60	0	-8	26	44.6	21.6	5.1	0.0	66.2	1	
1J	55	-2401	20	60	0	-8	-44	44.6	34.7	5.1	0.0	79.3	1	
1K	55	-2401	-9	-71	0	-7	26	44.6	21.4	6.0	0.0	66.0	1	
1L	55	-2401	20	-71	0	-7	-44	44.6	34.4	6.0	0.0	79.0	1	
1M	55	1211	-9	60	0	-8	26	22.5	21.6	5.1	0.0	44.1	1	
1N	55	1211	20	60	0	-8	-44	22.5	34.7	5.1	0.0	57.2	1	
1O	55	1211	-9	-71	0	-7	26	22.5	21.4	6.0	0.0	43.9	1	
1P	55	1211	20	-71	0	-7	-44	22.5	34.4	6.0	0.0	56.9	1	
2	55	-1130	16	-34	0	15	-40	21.0	34.0	2.9	0.0	55.0	1	
7	55	-1066	13	-30	0	7	-28	19.8	22.9	2.5	0.0	42.7	1	
8	55	-866	14	-31	0	21	-35	16.1	31.5	2.6	0.0	47.6	1	
1A	111	-5726	-23	152	0	-92	39	106.4	52.8	12.9	0.0	159.2	1	
1B	111	-5726	35	152	0	-92	-50	106.4	61.2	12.9	0.0	167.7	1	
1C	111	-5726	-23	-162	0	83	39	106.4	50.6	13.8	0.0	157.0	1	
1D	111	-5726	35	-162	0	83	-50	106.4	59.0	13.8	0.0	165.5	1	

1E	111	4583	-23	152	0	-92	39	85.2	52.8	12.9	0.0	138.0	1
1F	111	4583	35	152	0	-92	-50	85.2	61.2	12.9	0.0	146.4	1
1G	111	4583	-23	-162	0	83	39	85.2	50.6	13.8	0.0	135.8	1
1H	111	4583	35	-162	0	83	-50	85.2	59.0	13.8	0.0	144.2	1
1I	111	-2377	-9	60	0	-43	27	44.2	31.3	5.1	0.0	75.5	1
1J	111	-2377	20	60	0	-43	-38	44.2	39.7	5.1	0.0	83.9	1
1K	111	-2377	-9	-71	0	35	27	44.2	29.1	6.0	0.0	73.3	1
1L	111	-2377	20	-71	0	35	-38	44.2	37.5	6.0	0.0	81.7	1
1M	111	1234	-9	60	0	-43	27	22.9	31.3	5.1	0.0	54.2	1
1N	111	1234	20	60	0	-43	-38	22.9	39.7	5.1	0.0	62.7	1
1O	111	1234	-9	-71	0	35	27	22.9	29.1	6.0	0.0	52.0	1
1P	111	1234	20	-71	0	35	-38	22.9	37.5	6.0	0.0	60.5	1
2	111	-1099	16	30	0	16	-31	20.4	27.5	2.6	0.0	48.0	1
7	111	-1036	13	15	0	11	-21	19.3	18.4	1.3	0.0	37.7	1
8	111	-835	14	33	0	21	-27	15.5	25.4	2.8	0.0	40.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5773	37	52	23	23	14	1.03	1.00	159.3	
1B	-5773	37	71	23	23	14	1.03	1.00	173.3	
1C	-5773	39	52	23	23	14	1.03	1.00	159.9	
1D	-5773	39	71	23	23	14	1.03	1.00	173.9	
1E	4583	37	52	23	23	14	1.00	1.00	133.8	
1F	4583	37	71	23	23	14	1.00	1.00	147.8	
1G	4583	39	52	23	23	14	1.00	1.00	134.4	
1H	4583	39	71	23	23	14	1.00	1.00	148.4	
1I	-2424	17	26	23	23	14	1.03	1.00	70.6	
1J	-2424	17	45	23	23	14	1.03	1.00	84.4	
1K	-2424	19	26	23	23	14	1.03	1.00	71.1	
1L	-2424	19	45	23	23	14	1.03	1.00	84.9	
1M	1234	17	26	23	23	14	1.00	1.00	47.1	
1N	1234	17	45	23	23	14	1.00	1.00	60.9	
1O	1234	19	26	23	23	14	1.00	1.00	47.6	
1P	1234	19	45	23	23	14	1.00	1.00	61.4	
2	-1160	8	42	23	23	14	1.03	1.00	55.7	
7	-1097	9	30	23	23	14	1.03	1.00	45.5	
8	-896	8	36	23	23	14	1.03	1.00	46.5	

ASTA NUM. 317 NI 525 NF 526 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3792	-33	87	0	47	59	70.5	56.5	7.3	0.0	127.0	1	
1B	0	-3792	59	87	0	47	-81	70.5	72.7	7.3	0.0	143.2	1	
1C	0	-3792	-33	-60	0	-52	59	70.5	57.9	5.1	0.0	128.3	1	
1D	0	-3792	59	-60	0	-52	-81	70.5	74.0	5.1	0.0	144.5	1	
1E	0	2442	-33	87	0	47	59	45.4	56.5	7.3	0.0	101.9	1	
1F	0	2442	59	87	0	47	-81	45.4	72.7	7.3	0.0	118.1	1	
1G	0	2442	-33	-60	0	-52	59	45.4	57.9	5.1	0.0	103.2	1	
1H	0	2442	59	-60	0	-52	-81	45.4	74.0	5.1	0.0	119.4	1	
1I	0	-2325	-10	71	0	25	33	43.2	30.9	6.0	0.0	74.2	1	
1J	0	-2325	37	71	0	25	-54	43.2	47.1	6.0	0.0	90.3	1	
1K	0	-2325	-10	-44	0	-30	33	43.2	32.3	3.8	0.0	75.5	1	
1L	0	-2325	37	-44	0	-30	-54	43.2	48.5	3.8	0.0	91.7	1	
1M	0	975	-10	71	0	25	33	18.1	30.9	6.0	0.0	49.1	1	
1N	0	975	37	71	0	25	-54	18.1	47.1	6.0	0.0	65.2	1	
1O	0	975	-10	-44	0	-30	33	18.1	32.3	3.8	0.0	50.4	1	
1P	0	975	37	-44	0	-30	-54	18.1	48.5	3.8	0.0	66.6	1	
2	0	-456	41	-64	0	5	-49	8.5	37.6	5.4	0.0	46.0	1	
7	0	-484	32	-46	0	1	-34	9.0	25.4	3.9	0.0	34.4	1	
8	0	-260	36	-63	0	10	-42	4.8	34.1	5.3	0.0	38.9	1	
1A	55	-3768	-33	87	0	-2	42	70.0	32.2	7.3	0.0	102.2	1	
1B	55	-3768	59	87	0	-2	-49	70.0	37.3	7.3	0.0	107.4	1	
1C	55	-3768	-33	-60	0	-18	42	70.0	36.1	5.1	0.0	106.2	1	
1D	55	-3768	59	-60	0	-18	-49	70.0	41.3	5.1	0.0	111.3	1	
1E	55	2465	-33	87	0	-2	42	45.8	32.2	7.3	0.0	78.0	1	
1F	55	2465	59	87	0	-2	-49	45.8	37.3	7.3	0.0	83.1	1	
1G	55	2465	-33	-60	0	-18	42	45.8	36.1	5.1	0.0	82.0	1	
1H	55	2465	59	-60	0	-18	-49	45.8	41.3	5.1	0.0	87.1	1	
1I	55	-2302	-10	71	0	-17	30	42.8	26.7	6.0	0.0	69.5	1	
1J	55	-2302	37	71	0	-17	-37	42.8	31.8	6.0	0.0	74.6	1	
1K	55	-2302	-10	-44	0	-3	30	42.8	23.2	3.8	0.0	66.0	1	
1L	55	-2302	37	-44	0	-3	-37	42.8	28.4	3.8	0.0	71.2	1	
1M	55	998	-10	71	0	-17	30	18.6	26.7	6.0	0.0	45.2	1	
1N	55	998	37	71	0	-17	-37	18.6	31.8	6.0	0.0	50.4	1	
1O	55	998	-10	-44	0	-3	30	18.6	23.2	3.8	0.0	41.8	1	
1P	55	998	37	-44	0	-3	-37	18.6	28.4	3.8	0.0	46.9	1	
2	55	-425	41	0	0	22	-26	7.9	25.0	1.5	0.0	32.9	1	
7	55	-454	32	-1	0	13	-16	8.4	15.6	1.2	0.0	24.1	1	
8	55	-229	36	1	0	27	-22	4.3	23.5	1.4	0.0	27.7	1	
1A	111	-3745	-33	87	0	-51	25	69.6	31.9	7.3	0.0	101.5	1	
1B	111	-3745	59	87	0	-51	-17	69.6	26.0	7.3	0.0	95.6	1	
1C	111	-3745	-33	-60	0	17	25	69.6	23.1	5.1	0.0	92.7	1	
1D	111	-3745	59	-60	0	17	-17	69.6	17.2	5.1	0.0	86.8	1	
1E	111	2488	-33	87	0	-51	25	46.3	31.9	7.3	0.0	78.1	1	

1F	111	2488	59	87	0	-51	-17	46.3	26.0	7.3	0.0	72.3	1
1G	111	2488	-33	-60	0	17	25	46.3	23.1	5.1	0.0	69.3	1
1H	111	2488	59	-60	0	17	-17	46.3	17.2	5.1	0.0	63.5	1
1I	111	-2278	-10	71	0	-58	27	42.3	35.2	6.0	0.0	77.6	1
1J	111	-2278	37	71	0	-58	-19	42.3	29.4	6.0	0.0	71.7	1
1K	111	-2278	-10	-44	0	24	27	42.3	26.5	3.8	0.0	68.8	1
1L	111	-2278	37	-44	0	24	-19	42.3	20.6	3.8	0.0	62.9	1
1M	111	1022	-10	71	0	-58	27	19.0	35.2	6.0	0.0	54.2	1
1N	111	1022	37	71	0	-58	-19	19.0	29.4	6.0	0.0	48.4	1
1O	111	1022	-10	-44	0	24	27	19.0	26.5	3.8	0.0	45.4	1
1P	111	1022	37	-44	0	24	-19	19.0	20.6	3.8	0.0	39.6	1
2	111	-395	41	64	0	4	-3	7.3	3.3	5.4	0.0	12.1	3
7	111	-423	32	44	0	2	1	7.9	1.3	3.7	0.0	10.2	3
8	111	-199	36	65	0	9	-2	3.7	3.7	5.5	0.0	10.5	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3792	20	46	23	23	14	1.03	1.00	112.1	
1B	-3792	20	56	23	23	14	1.03	1.00	119.5	
1C	-3792	24	46	23	23	14	1.03	1.00	113.1	
1D	-3792	24	56	23	23	14	1.03	1.00	120.5	
1E	2488	20	46	23	23	14	1.00	1.00	85.7	
1F	2488	20	56	23	23	14	1.00	1.00	93.0	
1G	2488	24	46	23	23	14	1.00	1.00	86.7	
1H	2488	24	56	23	23	14	1.00	1.00	94.1	
1I	-2325	25	31	23	23	14	1.03	1.00	73.8	
1J	-2325	25	40	23	23	14	1.03	1.00	81.1	
1K	-2325	12	31	23	23	14	1.03	1.00	70.5	
1L	-2325	12	40	23	23	14	1.03	1.00	77.9	
1M	1022	25	31	23	23	14	1.00	1.00	48.2	
1N	1022	25	40	23	23	14	1.00	1.00	55.6	
1O	1022	12	31	23	23	14	1.00	1.00	44.9	
1P	1022	12	40	23	23	14	1.00	1.00	52.3	
2	-456	5	30	23	23	14	1.03	1.00	32.6	
7	-484	1	20	23	23	14	1.03	1.00	24.4	
8	-260	10	26	23	23	14	1.03	1.00	26.9	

ASTA NUM. 318 NI 526 NF 527 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3578	-105	94	0	59	45	66.5	49.3	8.0	0.0	115.8	1	
1B	0	-3578	179	94	0	59	-46	66.5	49.5	8.0	0.0	116.1	1	
1C	0	-3578	-105	-105	0	-91	45	66.5	57.6	8.9	0.0	124.1	1	
1D	0	-3578	179	-105	0	-91	-46	66.5	57.8	8.9	0.0	124.3	1	
1E	0	2317	-105	94	0	59	45	43.1	49.3	8.0	0.0	92.3	1	
1F	0	2317	179	94	0	59	-46	43.1	49.5	8.0	0.0	92.6	1	
1G	0	2317	-105	-105	0	-91	45	43.1	57.6	8.9	0.0	100.6	1	
1H	0	2317	179	-105	0	-91	-46	43.1	57.8	8.9	0.0	100.9	1	
1I	0	-2266	-58	40	0	28	35	42.1	33.7	3.4	0.0	75.8	1	
1J	0	-2266	132	40	0	28	-36	42.1	34.0	4.9	0.0	76.1	1	
1K	0	-2266	-58	-51	0	-60	35	42.1	42.0	4.3	0.0	84.1	1	
1L	0	-2266	132	-51	0	-60	-36	42.1	42.3	4.9	0.0	84.4	1	
1M	0	1004	-58	40	0	28	35	18.7	33.7	3.4	0.0	52.4	1	
1N	0	1004	132	40	0	28	-36	18.7	34.0	4.9	0.0	52.6	1	
1O	0	1004	-58	-51	0	-60	35	18.7	42.0	4.3	0.0	60.7	1	
1P	0	1004	132	-51	0	-60	-36	18.7	42.3	4.9	0.0	60.9	1	
2	0	-376	113	-75	0	0	-18	7.0	13.7	6.4	0.0	20.7	1	
7	0	-402	82	-59	0	-3	-9	7.5	7.9	5.0	0.0	15.4	1	
8	0	-186	100	-70	0	6	-15	3.5	13.1	5.9	0.0	16.5	1	
1A	55	-3555	-105	94	0	-0	-14	66.1	10.4	8.0	0.0	76.5	1	
1B	55	-3555	179	94	0	-0	54	66.1	40.6	8.0	0.0	106.6	1	
1C	55	-3555	-105	-105	0	-26	-14	66.1	16.9	8.9	0.0	83.0	1	
1D	55	-3555	179	-105	0	-26	54	66.1	47.1	8.9	0.0	113.2	1	
1E	55	2340	-105	94	0	-0	-14	43.5	10.4	8.0	0.0	53.9	1	
1F	55	2340	179	94	0	-0	54	43.5	40.6	8.0	0.0	84.1	1	
1G	55	2340	-105	-105	0	-26	-14	43.5	16.9	8.9	0.0	60.4	1	
1H	55	2340	179	-105	0	-26	54	43.5	47.1	8.9	0.0	90.6	1	
1I	55	-2242	-58	40	0	36	1	41.7	9.7	3.4	0.0	51.4	1	
1J	55	-2242	132	40	0	36	40	41.7	38.9	4.9	0.0	80.5	1	
1K	55	-2242	-58	-51	0	-62	1	41.7	16.4	4.3	0.0	58.0	1	
1L	55	-2242	132	-51	0	-62	40	41.7	45.5	4.9	0.0	87.2	1	
1M	55	1027	-58	40	0	36	1	19.1	9.7	3.4	0.0	28.8	1	
1N	55	1027	132	40	0	36	40	19.1	38.9	4.9	0.0	57.9	1	
1O	55	1027	-58	-51	0	-62	1	19.1	16.4	4.3	0.0	35.4	1	
1P	55	1027	132	-51	0	-62	40	19.1	45.5	4.9	0.0	64.6	1	
2	55	-346	113	-11	0	24	44	6.4	39.4	4.2	0.0	45.9	1	
7	55	-372	82	-14	0	17	36	6.9	31.2	3.1	0.0	38.1	1	
8	55	-156	100	-6	0	27	40	2.9	37.2	3.8	0.0	40.1	1	
1A	111	-3532	-105	94	0	-60	-73	65.6	70.0	8.0	0.0	135.7	1	
1B	111	-3532	179	94	0	-60	154	65.6	130.7	8.0	0.0	196.3	1	
1C	111	-3532	-105	-105	0	40	-73	65.6	65.0	8.9	0.0	130.6	1	
1D	111	-3532	179	-105	0	40	154	65.6	125.6	8.9	0.0	191.3	1	
1E	111	2363	-105	94	0	-60	-73	43.9	70.0	8.0	0.0	114.0	1	
1F	111	2363	179	94	0	-60	154	43.9	130.7	8.0	0.0	174.6	1	

1G	111	2363	-105	-105	0	40	-73	43.9	65.0	8.9	0.0	108.9	1
1H	111	2363	179	-105	0	40	154	43.9	125.6	8.9	0.0	169.6	1
1I	111	-2219	-58	40	0	43	-34	41.2	36.6	3.4	0.0	77.9	1
1J	111	-2219	132	40	0	43	115	41.2	97.3	4.9	0.0	138.5	1
1K	111	-2219	-58	-51	0	-63	-34	41.2	41.7	4.3	0.0	82.9	1
1L	111	-2219	132	-51	0	-63	115	41.2	102.3	4.9	0.0	143.6	1
1M	111	1051	-58	40	0	43	-34	19.5	36.6	3.4	0.0	56.2	1
1N	111	1051	132	40	0	43	115	19.5	97.3	4.9	0.0	116.8	1
1O	111	1051	-58	-51	0	-63	-34	19.5	41.7	4.3	0.0	61.2	1
1P	111	1051	132	-51	0	-63	115	19.5	102.3	4.9	0.0	121.8	1
2	111	-316	113	53	0	13	107	5.9	83.4	4.5	0.0	89.3	1
7	111	-342	82	31	0	12	81	6.3	63.9	3.1	0.0	70.3	1
8	111	-125	100	58	0	13	96	2.3	75.1	4.9	0.0	77.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3578	24	29	23	23	14	1.03	1.00	96.6	
1B	-3578	24	74	23	23	14	1.03	1.00	130.2	
1C	-3578	39	29	23	23	14	1.03	1.00	100.4	
1D	-3578	39	74	23	23	14	1.03	1.00	134.1	
1E	2363	24	29	23	23	14	1.00	1.00	71.9	
1F	2363	24	74	23	23	14	1.00	1.00	105.5	
1G	2363	39	29	23	23	14	1.00	1.00	75.8	
1H	2363	39	74	23	23	14	1.00	1.00	109.4	
1I	-2266	37	14	23	23	14	1.03	1.00	63.6	
1J	-2266	37	55	23	23	14	1.03	1.00	94.0	
1K	-2266	62	14	23	23	14	1.03	1.00	69.9	
1L	-2266	62	55	23	23	14	1.03	1.00	100.3	
1M	1051	37	14	23	23	14	1.00	1.00	39.7	
1N	1051	37	55	23	23	14	1.00	1.00	70.1	
1O	1051	62	14	23	23	14	1.00	1.00	46.0	
1P	1051	62	55	23	23	14	1.00	1.00	76.4	
2	-376	8	57	23	23	14	1.03	1.00	51.8	
7	-402	6	45	23	23	14	1.03	1.00	42.9	
8	-186	10	51	23	23	14	1.03	1.00	44.7	

ASTA NUM. 319 NI 527 NF 528 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-998	-158	122	0	12	127	18.6	97.8	10.4	0.0	116.4	1	
1B	0	-998	269	122	0	12	-47	18.6	38.5	10.4	0.0	57.0	1	
1C	0	-998	-158	-18	0	-32	127	18.6	103.1	5.9	0.0	121.7	1	
1D	0	-998	269	-18	0	-32	-47	18.6	43.8	10.1	0.0	62.3	1	
1E	0	-13	-158	122	0	12	127	0.2	97.8	10.4	0.0	98.1	1	
1F	0	-13	269	122	0	12	-47	0.2	38.5	10.4	0.0	38.7	1	
1G	0	-13	-158	-18	0	-32	127	0.2	103.1	5.9	0.0	103.4	1	
1H	0	-13	269	-18	0	-32	-47	0.2	43.8	10.1	0.0	44.0	1	
1I	0	-1552	-103	140	0	29	100	28.9	82.1	11.9	0.0	110.9	1	
1J	0	-1552	215	140	0	29	-20	28.9	22.7	11.9	0.0	51.6	1	
1K	0	-1552	-103	-36	0	-49	100	28.9	87.4	3.9	0.0	116.2	1	
1L	0	-1552	215	-36	0	-49	-20	28.9	28.0	8.1	0.0	56.9	1	
1M	0	541	-103	140	0	29	100	10.1	82.1	11.9	0.0	92.1	1	
1N	0	541	215	140	0	29	-20	10.1	22.7	11.9	0.0	32.8	1	
1O	0	541	-103	-36	0	-49	100	10.1	87.4	3.9	0.0	97.4	1	
1P	0	541	215	-36	0	-49	-20	10.1	28.0	8.1	0.0	38.1	1	
2	0	-308	167	77	0	14	98	5.7	77.4	6.6	0.0	83.1	1	
7	0	-248	118	60	0	12	77	4.6	60.4	5.1	0.0	65.0	1	
8	0	-218	149	65	0	17	88	4.0	70.3	5.6	0.0	74.4	1	
1A	55	-975	-158	122	0	13	275	18.1	209.2	10.4	0.0	227.3	1	
1B	55	-975	269	122	0	13	-134	18.1	103.7	10.4	0.0	121.8	1	
1C	55	-975	-158	-18	0	-92	275	18.1	229.3	5.9	0.0	247.5	1	
1D	55	-975	269	-18	0	-92	-134	18.1	123.8	10.1	0.0	142.0	1	
1E	55	10	-158	122	0	13	275	0.2	209.2	10.4	0.0	209.4	1	
1F	55	10	269	122	0	13	-134	0.2	103.7	10.4	0.0	103.9	1	
1G	55	10	-158	-18	0	-92	275	0.2	229.3	5.9	0.0	229.5	1	
1H	55	10	269	-18	0	-92	-134	0.2	123.8	10.1	0.0	124.0	1	
1I	55	-1529	-103	140	0	46	217	28.4	174.1	11.9	0.0	202.5	1	
1J	55	-1529	215	140	0	46	-76	28.4	68.6	11.9	0.0	97.0	1	
1K	55	-1529	-103	-36	0	-124	217	28.4	194.2	3.9	0.0	222.7	1	
1L	55	-1529	215	-36	0	-124	-76	28.4	88.7	8.1	0.0	117.2	1	
1M	55	564	-103	140	0	46	217	10.5	174.1	11.9	0.0	184.6	1	
1N	55	564	215	140	0	46	-76	10.5	68.6	11.9	0.0	79.1	1	
1O	55	564	-103	-36	0	-124	217	10.5	194.2	3.9	0.0	204.7	1	
1P	55	564	215	-36	0	-124	-76	10.5	88.7	8.1	0.0	99.2	1	
2	55	-278	167	141	0	-46	191	5.2	154.7	12.0	0.0	159.8	1	
7	55	-218	118	104	0	-33	142	4.0	114.7	8.9	0.0	118.7	1	
8	55	-187	149	129	0	-37	171	3.5	137.5	10.9	0.0	140.9	1	
1A	111	-952	-158	122	0	15	423	17.7	320.6	10.4	0.0	338.3	1	
1B	111	-952	269	122	0	15	-221	17.7	168.9	10.4	0.0	186.6	1	
1C	111	-952	-158	-18	0	-151	423	17.7	355.6	5.9	0.0	373.3	1	
1D	111	-952	269	-18	0	-151	-221	17.7	203.9	10.1	0.0	221.6	1	
1E	111	34	-158	122	0	15	423	0.6	320.6	10.4	0.0	321.2	1	
1F	111	34	269	122	0	15	-221	0.6	168.9	10.4	0.0	169.5	1	
1G	111	34	-158	-18	0	-151	423	0.6	355.6	5.9	0.0	356.2	1	

1H	111	34	269	-18	0	-151	-221	0.6	203.9	10.1	0.0	204.5	1
1I	111	-1505	-103	140	0	63	334	28.0	266.1	11.9	0.0	294.1	1
1J	111	-1505	215	140	0	63	-131	28.0	114.5	11.9	0.0	142.5	1
1K	111	-1505	-103	-36	0	-199	334	28.0	301.1	3.9	0.0	329.1	1
1L	111	-1505	215	-36	0	-199	-131	28.0	149.5	8.1	0.0	177.5	1
1M	111	588	-103	140	0	63	334	10.9	266.1	11.9	0.0	277.1	1
1N	111	588	215	140	0	63	-131	10.9	114.5	11.9	0.0	125.4	1
1O	111	588	-103	-36	0	-199	334	10.9	301.1	3.9	0.0	312.1	1
1P	111	588	215	-36	0	-199	-131	10.9	149.5	8.1	0.0	160.4	1
2	111	-247	167	205	0	-142	283	4.6	248.5	17.4	0.0	253.1	1
7	111	-187	118	149	0	-104	207	3.5	181.5	12.7	0.0	185.0	1
8	111	-157	149	193	0	-126	254	2.9	222.2	16.4	0.0	225.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-998	13	305	23	23	14	1.03	1.00	250.7	
1B	-998	13	151	23	23	14	1.03	1.00	135.9	
1C	-998	103	305	23	23	14	1.03	1.00	273.8	
1D	-998	103	151	23	23	14	1.03	1.00	159.0	
1E	-13	13	305	23	23	14	1.03	1.00	231.7	
1F	-13	13	151	23	23	14	1.03	1.00	117.0	
1G	-13	103	305	23	23	14	1.03	1.00	254.8	
1H	-13	103	151	23	23	14	1.03	1.00	140.1	
1I	-1552	49	240	23	23	14	1.03	1.00	222.4	
1J	-1552	49	87	23	23	14	1.03	1.00	107.5	
1K	-1552	139	240	23	23	14	1.03	1.00	245.5	
1L	-1552	139	87	23	23	14	1.03	1.00	130.7	
1M	588	49	240	23	23	14	1.00	1.00	203.4	
1N	588	49	87	23	23	14	1.00	1.00	88.7	
1O	588	139	240	23	23	14	1.00	1.00	226.5	
1P	588	139	87	23	23	14	1.00	1.00	111.8	
2	-308	79	209	23	23	14	1.03	1.00	183.0	
7	-248	57	155	23	23	14	1.03	1.00	135.4	
8	-218	69	187	23	23	14	1.03	1.00	162.2	

ASTA NUM. 320 NI 501 NF 502 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10341	-17	250	0	227	29	192.2	80.1	21.2	0.0	272.3	1	
1B	0	-10341	12	250	0	227	-32	192.2	82.6	21.2	0.0	274.8	1	
1C	0	-10341	-17	-138	0	-141	29	192.2	58.0	11.7	0.0	250.3	1	
1D	0	-10341	12	-138	0	-141	-32	192.2	60.6	11.7	0.0	252.8	1	
1E	0	8590	-17	250	0	227	29	159.7	80.1	21.2	0.0	239.7	1	
1F	0	8590	12	250	0	227	-32	159.7	82.6	21.2	0.0	242.3	1	
1G	0	8590	-17	-138	0	-141	29	159.7	58.0	11.7	0.0	217.7	1	
1H	0	8590	12	-138	0	-141	-32	159.7	60.6	11.7	0.0	220.3	1	
1I	0	-9007	-12	130	0	216	8	167.4	61.7	11.0	0.0	229.1	1	
1J	0	-9007	7	130	0	216	-12	167.4	64.2	11.0	0.0	231.6	1	
1K	0	-9007	-12	-18	0	-130	8	167.4	39.7	1.5	0.0	207.1	1	
1L	0	-9007	7	-18	0	-130	-12	167.4	42.2	1.5	0.0	209.6	1	
1M	0	7256	-12	130	0	216	8	134.9	61.7	11.0	0.0	196.6	1	
1N	0	7256	7	130	0	216	-12	134.9	64.2	11.0	0.0	199.1	1	
1O	0	7256	-12	-18	0	-130	8	134.9	39.7	1.5	0.0	174.5	1	
1P	0	7256	7	-18	0	-130	-12	134.9	42.2	1.5	0.0	177.1	1	
2	0	-6030	-14	198	0	70	-5	112.1	21.8	16.8	0.0	133.9	1	
7	0	-5371	-10	159	0	47	-4	99.8	15.1	13.4	0.0	114.9	1	
8	0	-4917	-12	156	0	54	-5	91.4	17.2	13.2	0.0	108.6	1	
1A	55	-10318	-17	250	0	54	35	191.8	40.4	21.2	0.0	232.2	1	
1B	55	-10318	12	250	0	54	-42	191.8	45.2	21.2	0.0	237.0	1	
1C	55	-10318	-17	-138	0	-30	35	191.8	34.3	11.7	0.0	226.1	1	
1D	55	-10318	12	-138	0	-30	-42	191.8	39.1	11.7	0.0	230.9	1	
1E	55	8613	-17	250	0	54	35	160.1	40.4	21.2	0.0	200.5	1	
1F	55	8613	12	250	0	54	-42	160.1	45.2	21.2	0.0	205.3	1	
1G	55	8613	-17	-138	0	-30	35	160.1	34.3	11.7	0.0	194.4	1	
1H	55	8613	12	-138	0	-30	-42	160.1	39.1	11.7	0.0	199.2	1	
1I	55	-8983	-12	130	0	166	12	167.0	51.3	11.0	0.0	218.3	1	
1J	55	-8983	7	130	0	166	-18	167.0	56.1	11.0	0.0	223.1	1	
1K	55	-8983	-12	-18	0	-142	12	167.0	45.2	1.5	0.0	212.2	1	
1L	55	-8983	7	-18	0	-142	-18	167.0	50.0	1.5	0.0	217.0	1	
1M	55	7279	-12	130	0	166	12	135.3	51.3	11.0	0.0	186.6	1	
1N	55	7279	7	130	0	166	-18	135.3	56.1	11.0	0.0	191.4	1	
1O	55	7279	-12	-18	0	-142	12	135.3	45.2	1.5	0.0	180.5	1	
1P	55	7279	7	-18	0	-142	-18	135.3	50.0	1.5	0.0	185.3	1	
2	55	-6000	-14	198	0	-39	-13	111.5	19.5	16.8	0.0	131.0	1	
7	55	-5340	-10	159	0	-41	-10	99.3	17.7	13.4	0.0	116.9	1	
8	55	-4887	-12	156	0	-33	-11	90.8	16.8	13.2	0.0	107.6	1	
1A	111	-10294	-17	250	0	-119	42	191.3	61.8	21.2	0.0	253.2	1	
1B	111	-10294	12	250	0	-119	-51	191.3	68.9	21.2	0.0	260.2	1	
1C	111	-10294	-17	-138	0	80	42	191.3	52.0	11.7	0.0	243.4	1	
1D	111	-10294	12	-138	0	80	-51	191.3	59.1	11.7	0.0	250.4	1	
1E	111	8637	-17	250	0	-119	42	160.5	61.8	21.2	0.0	222.4	1	
1F	111	8637	12	250	0	-119	-51	160.5	68.9	21.2	0.0	229.4	1	
1G	111	8637	-17	-138	0	80	42	160.5	52.0	11.7	0.0	212.6	1	
1H	111	8637	12	-138	0	80	-51	160.5	59.1	11.7	0.0	219.6	1	

1I	111	-8960	-12	130	0	115	15	166.5	41.0	11.0	0.0	207.5	1
1J	111	-8960	7	130	0	115	-24	166.5	48.0	11.0	0.0	214.6	1
1K	111	-8960	-12	-18	0	-154	15	166.5	50.8	1.5	0.0	217.4	1
1L	111	-8960	7	-18	0	-154	-24	166.5	57.8	1.5	0.0	224.4	1
1M	111	7302	-12	130	0	115	15	135.7	41.0	11.0	0.0	176.7	1
1N	111	7302	7	130	0	115	-24	135.7	48.0	11.0	0.0	183.8	1
1O	111	7302	-12	-18	0	-154	15	135.7	50.8	1.5	0.0	186.5	1
1P	111	7302	7	-18	0	-154	-24	135.7	57.8	1.5	0.0	193.6	1
2	111	-5969	-14	198	0	-148	-20	110.9	53.3	16.8	0.0	164.2	1
7	111	-5310	-10	159	0	-129	-15	98.7	44.4	13.4	0.0	143.1	1
8	111	-4857	-12	156	0	-119	-18	90.3	43.9	13.2	0.0	134.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10341	91	37	23	23	14	1.03	1.00	249.0	
1B	-10341	91	44	23	23	14	1.03	1.00	254.2	
1C	-10341	56	37	23	23	14	1.03	1.00	240.2	
1D	-10341	56	44	23	23	14	1.03	1.00	245.4	
1E	8637	91	37	23	23	14	1.00	1.00	211.4	
1F	8637	91	44	23	23	14	1.00	1.00	216.6	
1G	8637	56	37	23	23	14	1.00	1.00	202.5	
1H	8637	56	44	23	23	14	1.00	1.00	207.8	
1I	-9007	176	12	23	23	14	1.03	1.00	227.0	
1J	-9007	176	19	23	23	14	1.03	1.00	232.3	
1K	-9007	144	12	23	23	14	1.03	1.00	218.9	
1L	-9007	144	19	23	23	14	1.03	1.00	224.1	
1M	7302	176	12	23	23	14	1.00	1.00	190.2	
1N	7302	176	19	23	23	14	1.00	1.00	195.4	
1O	7302	144	12	23	23	14	1.00	1.00	182.1	
1P	7302	144	19	23	23	14	1.00	1.00	187.3	
2	-6030	61	14	23	23	14	1.03	1.00	141.7	
7	-5371	58	11	23	23	14	1.03	1.00	125.9	
8	-4917	50	12	23	23	14	1.03	1.00	116.4	

ASTA NUM. 321 NI 502 NF 503 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10115	-15	255	0	164	42	188.0	73.8	21.6	0.0	261.8	1	
1B	0	-10115	9	255	0	164	-50	188.0	79.8	21.6	0.0	267.8	1	
1C	0	-10115	-15	-247	0	-163	42	188.0	73.5	21.0	0.0	261.5	1	
1D	0	-10115	9	-247	0	-163	-50	188.0	79.5	21.0	0.0	267.6	1	
1E	0	8304	-15	255	0	164	42	154.4	73.8	21.6	0.0	228.1	1	
1F	0	8304	9	255	0	164	-50	154.4	79.8	21.6	0.0	234.2	1	
1G	0	8304	-15	-247	0	-163	42	154.4	73.5	21.0	0.0	227.9	1	
1H	0	8304	9	-247	0	-163	-50	154.4	79.5	21.0	0.0	233.9	1	
1I	0	-8812	-14	150	0	191	12	163.8	58.1	12.7	0.0	221.9	1	
1J	0	-8812	8	150	0	191	-20	163.8	64.1	12.7	0.0	227.9	1	
1K	0	-8812	-14	-142	0	-190	12	163.8	57.8	12.0	0.0	221.6	1	
1L	0	-8812	8	-142	0	-190	-20	163.8	63.9	12.0	0.0	227.7	1	
1M	0	7001	-14	150	0	191	12	130.1	58.1	12.7	0.0	188.2	1	
1N	0	7001	8	150	0	191	-20	130.1	64.1	12.7	0.0	194.3	1	
1O	0	7001	-14	-142	0	-190	12	130.1	57.8	12.0	0.0	188.0	1	
1P	0	7001	8	-142	0	-190	-20	130.1	63.9	12.0	0.0	194.0	1	
2	0	-6231	-14	16	0	-82	-15	115.8	32.6	1.4	0.0	148.5	1	
7	0	-5504	-10	4	0	-80	-12	102.3	29.3	0.4	0.0	131.6	1	
8	0	-5058	-13	8	0	-68	-14	94.0	27.8	0.7	0.0	121.8	1	
1A	55	-10092	-15	255	0	1	47	187.6	35.5	21.6	0.0	223.1	1	
1B	55	-10092	9	255	0	1	-59	187.6	44.0	21.6	0.0	231.6	1	
1C	55	-10092	-15	-247	0	-4	47	187.6	36.3	21.0	0.0	223.9	1	
1D	55	-10092	9	-247	0	-4	-59	187.6	44.9	21.0	0.0	232.5	1	
1E	55	8327	-15	255	0	1	47	154.8	35.5	21.6	0.0	190.3	1	
1F	55	8327	9	255	0	1	-59	154.8	44.0	21.6	0.0	198.8	1	
1G	55	8327	-15	-247	0	-4	47	154.8	36.3	21.0	0.0	191.1	1	
1H	55	8327	9	-247	0	-4	-59	154.8	44.9	21.0	0.0	199.7	1	
1I	55	-8788	-14	150	0	150	16	163.4	50.6	12.7	0.0	214.0	1	
1J	55	-8788	8	150	0	150	-28	163.4	59.1	12.7	0.0	222.5	1	
1K	55	-8788	-14	-142	0	-153	16	163.4	51.5	12.0	0.0	214.8	1	
1L	55	-8788	8	-142	0	-153	-28	163.4	60.0	12.0	0.0	223.4	1	
1M	55	7024	-14	150	0	150	16	130.6	50.6	12.7	0.0	181.2	1	
1N	55	7024	8	150	0	150	-28	130.6	59.1	12.7	0.0	189.7	1	
1O	55	7024	-14	-142	0	-153	16	130.6	51.5	12.0	0.0	182.0	1	
1P	55	7024	8	-142	0	-153	-28	130.6	60.0	12.0	0.0	190.6	1	
2	55	-6200	-14	16	0	-91	-23	115.3	40.9	1.4	0.0	156.2	1	
7	55	-5474	-10	4	0	-82	-17	101.7	34.2	0.4	0.0	135.9	1	
8	55	-5028	-13	8	0	-73	-21	93.4	34.1	0.7	0.0	127.6	1	
1A	111	-10068	-15	255	0	-162	52	187.1	80.6	21.6	0.0	267.7	1	
1B	111	-10068	9	255	0	-162	-67	187.1	91.6	21.6	0.0	278.8	1	
1C	111	-10068	-15	-247	0	154	52	187.1	78.6	21.0	0.0	265.7	1	
1D	111	-10068	9	-247	0	154	-67	187.1	89.6	21.0	0.0	276.8	1	
1E	111	8351	-15	255	0	-162	52	155.2	80.6	21.6	0.0	235.8	1	
1F	111	8351	9	255	0	-162	-67	155.2	91.6	21.6	0.0	246.8	1	
1G	111	8351	-15	-247	0	154	52	155.2	78.6	21.0	0.0	233.8	1	
1H	111	8351	9	-247	0	154	-67	155.2	89.6	21.0	0.0	244.8	1	
1I	111	-8765	-14	150	0	108	21	162.9	43.1	12.7	0.0	206.0	1	

1J	111	-8765	8	150	0	108	-35	162.9	54.1	12.7	0.0	217.1	1
1K	111	-8765	-14	-142	0	-116	21	162.9	45.1	12.0	0.0	208.0	1
1L	111	-8765	8	-142	0	-116	-35	162.9	56.1	12.0	0.0	219.1	1
1M	111	7047	-14	150	0	108	21	131.0	43.1	12.7	0.0	174.1	1
1N	111	7047	8	150	0	108	-35	131.0	54.1	12.7	0.0	185.1	1
1O	111	7047	-14	-142	0	-116	21	131.0	45.1	12.0	0.0	176.1	1
1P	111	7047	8	-142	0	-116	-35	131.0	56.1	12.0	0.0	187.1	1
2	111	-6170	-14	16	0	-100	-31	114.7	49.2	1.4	0.0	163.9	1
7	111	-5443	-10	4	0	-84	-23	101.2	39.0	0.4	0.0	140.2	1
8	111	-4997	-13	8	0	-77	-27	92.9	40.5	0.7	0.0	133.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10115	65	48	23	23	14	1.03	1.00	246.7	
1B	-10115	65	60	23	23	14	1.03	1.00	255.8	
1C	-10115	65	48	23	23	14	1.03	1.00	246.6	
1D	-10115	65	60	23	23	14	1.03	1.00	255.7	
1E	8351	65	48	23	23	14	1.00	1.00	208.1	
1F	8351	65	60	23	23	14	1.00	1.00	217.1	
1G	8351	65	48	23	23	14	1.00	1.00	208.0	
1H	8351	65	60	23	23	14	1.00	1.00	217.0	
1I	-8812	158	17	23	23	14	1.03	1.00	222.2	
1J	-8812	158	29	23	23	14	1.03	1.00	231.3	
1K	-8812	160	17	23	23	14	1.03	1.00	222.9	
1L	-8812	160	29	23	23	14	1.03	1.00	231.9	
1M	7047	158	17	23	23	14	1.00	1.00	184.4	
1N	7047	158	29	23	23	14	1.00	1.00	193.4	
1O	7047	160	17	23	23	14	1.00	1.00	185.0	
1P	7047	160	29	23	23	14	1.00	1.00	194.1	
2	-6231	93	25	23	23	14	1.03	1.00	161.9	
7	-5504	83	19	23	23	14	1.03	1.00	140.6	
8	-5058	74	22	23	23	14	1.03	1.00	132.3	

ASTA NUM. 322 NI 503 NF 504 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7762	-12	163	0	122	57	144.3	74.4	13.9	0.0	218.6	1	
1B	0	-7762	11	163	0	122	-74	144.3	86.5	13.9	0.0	230.8	1	
1C	0	-7762	-12	-49	0	-90	57	144.3	66.2	4.1	0.0	210.5	1	
1D	0	-7762	11	-49	0	-90	-74	144.3	78.4	4.1	0.0	222.6	1	
1E	0	3866	-12	163	0	122	57	71.9	74.4	13.9	0.0	146.2	1	
1F	0	3866	11	163	0	122	-74	71.9	86.5	13.9	0.0	158.4	1	
1G	0	3866	-12	-49	0	-90	57	71.9	66.2	4.1	0.0	138.0	1	
1H	0	3866	11	-49	0	-90	-74	71.9	78.4	4.1	0.0	150.2	1	
1I	0	-6849	-13	129	0	150	18	127.3	52.0	10.9	0.0	179.3	1	
1J	0	-6849	12	129	0	150	-34	127.3	64.2	10.9	0.0	191.5	1	
1K	0	-6849	-13	-14	0	-118	18	127.3	43.8	1.2	0.0	171.1	1	
1L	0	-6849	12	-14	0	-118	-34	127.3	56.0	1.2	0.0	183.3	1	
1M	0	2953	-13	129	0	150	18	54.9	52.0	10.9	0.0	106.9	1	
1N	0	2953	12	129	0	150	-34	54.9	64.2	10.9	0.0	119.0	1	
1O	0	2953	-13	-14	0	-118	18	54.9	43.8	1.2	0.0	98.7	1	
1P	0	2953	12	-14	0	-118	-34	54.9	56.0	1.2	0.0	110.9	1	
2	0	-9877	-6	198	0	-33	-31	183.6	31.5	16.8	0.0	215.0	1	
7	0	-8202	-3	155	0	-35	-23	152.5	26.3	13.2	0.0	178.8	1	
8	0	-7848	-5	156	0	-26	-27	145.9	26.9	13.2	0.0	172.7	1	
1A	55	-7739	-12	163	0	11	54	143.8	43.2	13.9	0.0	187.0	1	
1B	55	-7739	11	163	0	11	-71	143.8	55.7	13.9	0.0	199.6	1	
1C	55	-7739	-12	-49	0	-43	54	143.8	51.3	4.1	0.0	195.2	1	
1D	55	-7739	11	-49	0	-43	-71	143.8	63.9	4.1	0.0	207.7	1	
1E	55	3889	-12	163	0	11	54	72.3	43.2	13.9	0.0	115.5	1	
1F	55	3889	11	163	0	11	-71	72.3	55.7	13.9	0.0	128.0	1	
1G	55	3889	-12	-49	0	-43	54	72.3	51.3	4.1	0.0	123.6	1	
1H	55	3889	11	-49	0	-43	-71	72.3	63.9	4.1	0.0	136.1	1	
1I	55	-6826	-13	129	0	89	21	126.9	38.7	10.9	0.0	165.6	1	
1J	55	-6826	12	129	0	89	-38	126.9	51.2	10.9	0.0	178.1	1	
1K	55	-6826	-13	-14	0	-120	21	126.9	46.9	1.2	0.0	173.7	1	
1L	55	-6826	12	-14	0	-120	-38	126.9	59.4	1.2	0.0	186.3	1	
1M	55	2976	-13	129	0	89	21	55.3	38.7	10.9	0.0	94.0	1	
1N	55	2976	12	129	0	89	-38	55.3	51.2	10.9	0.0	106.5	1	
1O	55	2976	-13	-14	0	-120	21	55.3	46.9	1.2	0.0	102.2	1	
1P	55	2976	12	-14	0	-120	-38	55.3	59.4	1.2	0.0	114.7	1	
2	55	-9847	-6	198	0	-143	-34	183.0	62.0	16.8	0.0	245.1	1	
7	55	-8172	-3	155	0	-121	-25	151.9	49.7	13.2	0.0	201.6	1	
8	55	-7818	-5	156	0	-112	-30	145.3	51.0	13.2	0.0	196.3	1	
1A	111	-7716	-12	163	0	-100	50	143.4	63.3	13.9	0.0	206.7	1	
1B	111	-7716	11	163	0	-100	-67	143.4	76.2	13.9	0.0	219.6	1	
1C	111	-7716	-12	-49	0	4	50	143.4	38.8	4.1	0.0	182.2	1	
1D	111	-7716	11	-49	0	4	-67	143.4	51.7	4.1	0.0	195.1	1	
1E	111	3912	-12	163	0	-100	50	72.7	63.3	13.9	0.0	136.0	1	
1F	111	3912	11	163	0	-100	-67	72.7	76.2	13.9	0.0	148.9	1	
1G	111	3912	-12	-49	0	4	50	72.7	38.8	4.1	0.0	111.5	1	
1H	111	3912	11	-49	0	4	-67	72.7	51.7	4.1	0.0	124.4	1	
1I	111	-6803	-13	129	0	27	25	126.4	25.4	10.9	0.0	151.9	1	
1J	111	-6803	12	129	0	27	-42	126.4	38.3	10.9	0.0	164.7	1	

1K	111	-6803	-13	-14	0	-122	25	126.4	49.9	1.2	0.0	176.4	1
1L	111	-6803	12	-14	0	-122	-42	126.4	62.8	1.2	0.0	189.2	1
1M	111	2999	-13	129	0	27	25	55.7	25.4	10.9	0.0	81.2	1
1N	111	2999	12	129	0	27	-42	55.7	38.3	10.9	0.0	94.0	1
1O	111	2999	-13	-14	0	-122	25	55.7	49.9	1.2	0.0	105.7	1
1P	111	2999	12	-14	0	-122	-42	55.7	62.8	1.2	0.0	118.5	1
2	111	-9817	-6	198	0	-252	-37	182.5	92.6	16.8	0.0	275.1	1
7	111	-8141	-3	155	0	-207	-27	151.3	73.1	13.2	0.0	224.4	1
8	111	-7788	-5	156	0	-198	-32	144.8	75.2	13.2	0.0	219.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7762	49	55	23	23	14	1.03	1.00	202.2	
1B	-7762	49	71	23	23	14	1.03	1.00	214.7	
1C	-7762	52	55	23	23	14	1.03	1.00	203.1	
1D	-7762	52	71	23	23	14	1.03	1.00	215.6	
1E	3912	49	55	23	23	14	1.00	1.00	126.1	
1F	3912	49	71	23	23	14	1.00	1.00	138.6	
1G	3912	52	55	23	23	14	1.00	1.00	127.0	
1H	3912	52	71	23	23	14	1.00	1.00	139.5	
1I	-6849	101	22	23	23	14	1.03	1.00	173.6	
1J	-6849	101	39	23	23	14	1.03	1.00	186.2	
1K	-6849	121	22	23	23	14	1.03	1.00	178.7	
1L	-6849	121	39	23	23	14	1.03	1.00	191.3	
1M	2999	101	22	23	23	14	1.00	1.00	98.1	
1N	2999	101	39	23	23	14	1.00	1.00	110.7	
1O	2999	121	22	23	23	14	1.00	1.00	103.2	
1P	2999	121	39	23	23	14	1.00	1.00	115.8	
2	-9877	165	34	23	23	14	1.03	1.00	257.4	
7	-8202	138	25	23	23	14	1.03	1.00	211.5	
8	-7848	129	30	23	23	14	1.03	1.00	206.2	

ASTA NUM. 323 NI 504 NF 505 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7537	-15	186	0	87	60	140.1	67.0	15.7	0.0	207.1	1	
1B	0	-7537	21	186	0	87	-81	140.1	82.7	15.7	0.0	222.8	1	
1C	0	-7537	-15	-174	0	-143	60	140.1	81.4	14.8	0.0	221.5	1	
1D	0	-7537	21	-174	0	-143	-81	140.1	97.1	14.8	0.0	237.2	1	
1E	0	3579	-15	186	0	87	60	66.5	67.0	15.7	0.0	133.5	1	
1F	0	3579	21	186	0	87	-81	66.5	82.7	15.7	0.0	149.3	1	
1G	0	3579	-15	-174	0	-143	60	66.5	81.4	14.8	0.0	147.9	1	
1H	0	3579	21	-174	0	-143	-81	66.5	97.1	14.8	0.0	163.6	1	
1I	0	-6662	-10	121	0	101	25	123.8	44.7	10.2	0.0	168.5	1	
1J	0	-6662	15	121	0	101	-46	123.8	60.4	10.2	0.0	184.3	1	
1K	0	-6662	-10	-109	0	-157	25	123.8	59.1	9.3	0.0	182.9	1	
1L	0	-6662	15	-109	0	-157	-46	123.8	74.8	9.3	0.0	198.6	1	
1M	0	2704	-10	121	0	101	25	50.3	44.7	10.2	0.0	95.0	1	
1N	0	2704	15	121	0	101	-46	50.3	60.4	10.2	0.0	110.7	1	
1O	0	2704	-10	-109	0	-157	25	50.3	59.1	9.3	0.0	109.3	1	
1P	0	2704	15	-109	0	-157	-46	50.3	74.8	9.3	0.0	125.0	1	
2	0	-10080	5	19	0	-186	-42	187.4	79.0	1.6	0.0	266.4	1	
7	0	-8339	5	8	0	-157	-31	155.0	63.2	0.7	0.0	218.2	1	
8	0	-7992	5	10	0	-147	-37	148.6	65.2	0.9	0.0	213.7	1	
1A	55	-7514	-15	186	0	-25	54	139.7	46.7	15.7	0.0	186.3	1	
1B	55	-7514	21	186	0	-25	-72	139.7	60.1	15.7	0.0	199.7	1	
1C	55	-7514	-15	-174	0	-37	54	139.7	49.7	14.8	0.0	189.3	1	
1D	55	-7514	21	-174	0	-37	-72	139.7	63.1	14.8	0.0	202.8	1	
1E	55	3603	-15	186	0	-25	54	67.0	46.7	15.7	0.0	113.6	1	
1F	55	3603	21	186	0	-25	-72	67.0	60.1	15.7	0.0	127.1	1	
1G	55	3603	-15	-174	0	-37	54	67.0	49.7	14.8	0.0	116.6	1	
1H	55	3603	21	-174	0	-37	-72	67.0	63.1	14.8	0.0	130.1	1	
1I	55	-6639	-10	121	0	63	28	123.4	37.0	10.2	0.0	160.4	1	
1J	55	-6639	15	121	0	63	-46	123.4	50.4	10.2	0.0	173.8	1	
1K	55	-6639	-10	-109	0	-125	28	123.4	53.0	9.3	0.0	176.4	1	
1L	55	-6639	15	-109	0	-125	-46	123.4	66.4	9.3	0.0	189.8	1	
1M	55	2728	-10	121	0	63	28	50.7	37.0	10.2	0.0	87.7	1	
1N	55	2728	15	121	0	63	-46	50.7	50.4	10.2	0.0	101.1	1	
1O	55	2728	-10	-109	0	-125	28	50.7	53.0	9.3	0.0	103.7	1	
1P	55	2728	15	-109	0	-125	-46	50.7	66.4	9.3	0.0	117.1	1	
2	55	-10050	5	19	0	-196	-39	186.8	79.7	1.6	0.0	266.5	1	
7	55	-8308	5	8	0	-161	-28	154.4	62.2	0.7	0.0	216.6	1	
8	55	-7962	5	10	0	-152	-34	148.0	64.7	0.9	0.0	212.7	1	
1A	111	-7490	-15	186	0	-137	48	139.2	71.1	15.7	0.0	210.3	1	
1B	111	-7490	21	186	0	-137	-63	139.2	82.2	15.7	0.0	221.5	1	
1C	111	-7490	-15	-174	0	69	48	139.2	53.5	14.8	0.0	192.7	1	
1D	111	-7490	21	-174	0	69	-63	139.2	64.6	14.8	0.0	203.9	1	
1E	111	3626	-15	186	0	-137	48	67.4	71.1	15.7	0.0	138.5	1	
1F	111	3626	21	186	0	-137	-63	67.4	82.2	15.7	0.0	149.6	1	
1G	111	3626	-15	-174	0	69	48	67.4	53.5	14.8	0.0	120.9	1	
1H	111	3626	21	-174	0	69	-63	67.4	64.6	14.8	0.0	132.0	1	
1I	111	-6615	-10	121	0	24	31	123.0	29.3	10.2	0.0	152.3	1	
1J	111	-6615	15	121	0	24	-46	123.0	40.5	10.2	0.0	163.4	1	
1K	111	-6615	-10	-109	0	-93	31	123.0	46.9	9.3	0.0	169.9	1	

1L	111	-6615	15	-109	0	-93	-46	123.0	58.0	9.3	0.0	181.0	1
1M	111	2751	-10	121	0	24	31	51.1	29.3	10.2	0.0	80.5	1
1N	111	2751	15	121	0	24	-46	51.1	40.5	10.2	0.0	91.6	1
1O	111	2751	-10	-109	0	-93	31	51.1	46.9	9.3	0.0	98.1	1
1P	111	2751	15	-109	0	-93	-46	51.1	58.0	9.3	0.0	109.2	1
2	111	-10020	5	19	0	-206	-36	186.2	80.3	1.6	0.0	266.5	1
7	111	-8278	5	8	0	-166	-25	153.9	61.2	0.7	0.0	215.1	1
8	111	-7931	5	10	0	-158	-32	147.4	64.3	0.9	0.0	211.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7537	55	55	23	23	14	1.03	1.00	199.7	
1B	-7537	55	73	23	23	14	1.03	1.00	213.6	
1C	-7537	58	55	23	23	14	1.03	1.00	200.5	
1D	-7537	58	73	23	23	14	1.03	1.00	214.4	
1E	3626	55	55	23	23	14	1.00	1.00	122.6	
1F	3626	55	73	23	23	14	1.00	1.00	136.5	
1G	3626	58	55	23	23	14	1.00	1.00	123.4	
1H	3626	58	73	23	23	14	1.00	1.00	137.3	
1I	-6662	70	29	23	23	14	1.03	1.00	167.1	
1J	-6662	70	46	23	23	14	1.03	1.00	180.1	
1K	-6662	131	29	23	23	14	1.03	1.00	182.7	
1L	-6662	131	46	23	23	14	1.03	1.00	195.8	
1M	2751	70	29	23	23	14	1.00	1.00	90.6	
1N	2751	70	46	23	23	14	1.00	1.00	103.6	
1O	2751	131	29	23	23	14	1.00	1.00	106.2	
1P	2751	131	46	23	23	14	1.00	1.00	119.2	
2	-10080	198	40	23	23	14	1.03	1.00	273.8	
7	-8339	162	28	23	23	14	1.03	1.00	222.6	
8	-7992	154	35	23	23	14	1.03	1.00	218.6	

ASTA NUM. 324 NI 505 NF 506 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5118	-55	92	0	36	70	95.1	61.9	7.8	0.0	157.1	1	
1B	0	-5118	89	92	0	36	-95	95.1	80.5	7.8	0.0	175.6	1	
1C	0	-5118	-55	29	0	-64	70	95.1	69.1	2.5	0.0	164.2	1	
1D	0	-5118	89	29	0	-64	-95	95.1	87.6	3.3	0.0	182.7	1	
1E	0	-984	-55	92	0	36	70	18.3	61.9	7.8	0.0	80.2	1	
1F	0	-984	89	92	0	36	-95	18.3	80.5	7.8	0.0	98.8	1	
1G	0	-984	-55	29	0	-64	70	18.3	69.1	2.5	0.0	87.4	1	
1H	0	-984	89	29	0	-64	-95	18.3	87.6	3.3	0.0	105.9	1	
1I	0	-4747	-20	120	0	66	38	88.2	45.1	10.2	0.0	133.4	1	
1J	0	-4747	54	120	0	66	-62	88.2	63.6	10.2	0.0	151.9	1	
1K	0	-4747	-20	0	0	-93	38	88.2	52.3	0.7	0.0	140.5	1	
1L	0	-4747	54	0	0	-93	-62	88.2	70.8	2.0	0.0	159.0	1	
1M	0	-1355	-20	120	0	66	38	25.2	45.1	10.2	0.0	70.3	1	
1N	0	-1355	54	120	0	66	-62	25.2	63.6	10.2	0.0	88.8	1	
1O	0	-1355	-20	0	0	-93	38	25.2	52.3	0.7	0.0	77.4	1	
1P	0	-1355	54	0	0	-93	-62	25.2	70.8	2.0	0.0	96.0	1	
2	0	-13830	48	213	0	-137	-52	257.1	73.8	18.0	0.0	330.9	1	
7	0	-11110	36	165	0	-114	-36	206.5	56.5	14.0	0.0	263.0	1	
8	0	-10880	43	168	0	-105	-45	202.2	60.6	14.2	0.0	262.8	1	
1A	55	-5094	-55	92	0	-13	42	94.7	34.7	7.8	0.0	129.4	1	
1B	55	-5094	89	92	0	-13	-48	94.7	39.0	7.8	0.0	133.7	1	
1C	55	-5094	-55	29	0	-82	42	94.7	52.4	2.5	0.0	147.1	1	
1D	55	-5094	89	29	0	-82	-48	94.7	56.7	3.3	0.0	151.4	1	
1E	55	-961	-55	92	0	-13	42	17.9	34.7	7.8	0.0	52.6	1	
1F	55	-961	89	92	0	-13	-48	17.9	39.0	7.8	0.0	56.9	1	
1G	55	-961	-55	29	0	-82	42	17.9	52.4	2.5	0.0	70.3	1	
1H	55	-961	89	29	0	-82	-48	17.9	56.7	3.3	0.0	74.5	1	
1I	55	-4723	-20	120	0	0	28	87.8	21.4	10.2	0.0	109.1	1	
1J	55	-4723	54	120	0	0	-34	87.8	25.6	10.2	0.0	113.4	1	
1K	55	-4723	-20	0	0	-95	28	87.8	45.7	0.7	0.0	133.5	1	
1L	55	-4723	54	0	0	-95	-34	87.8	50.0	2.0	0.0	137.8	1	
1M	55	-1332	-20	120	0	0	28	24.8	21.4	10.2	0.0	46.1	1	
1N	55	-1332	54	120	0	0	-34	24.8	25.6	10.2	0.0	50.4	1	
1O	55	-1332	-20	0	0	-95	28	24.8	45.7	0.7	0.0	70.4	1	
1P	55	-1332	54	0	0	-95	-34	24.8	50.0	2.0	0.0	74.7	1	
2	55	-13800	48	213	0	-255	-25	256.5	84.4	18.0	0.0	340.9	1	
7	55	-11080	36	165	0	-206	-16	205.9	64.9	14.0	0.0	270.8	1	
8	55	-10850	43	168	0	-197	-21	201.7	66.7	14.2	0.0	268.3	1	
1A	111	-5071	-55	92	0	-62	14	94.2	26.1	7.8	0.0	120.4	1	
1B	111	-5071	89	92	0	-62	-0	94.2	16.1	7.8	0.0	110.4	1	
1C	111	-5071	-55	29	0	-99	14	94.2	35.7	2.5	0.0	130.0	1	
1D	111	-5071	89	29	0	-99	-0	94.2	25.7	3.3	0.0	120.0	1	
1E	111	-937	-55	92	0	-62	14	17.4	26.1	7.8	0.0	43.5	1	
1F	111	-937	89	92	0	-62	-0	17.4	16.1	7.8	0.0	34.4	3	
1G	111	-937	-55	29	0	-99	14	17.4	35.7	2.5	0.0	53.1	1	
1H	111	-937	89	29	0	-99	-0	17.4	25.7	3.3	0.0	43.2	1	
1I	111	-4700	-20	120	0	-65	19	87.4	31.2	10.2	0.0	118.6	1	
1J	111	-4700	54	120	0	-65	-6	87.4	21.3	10.2	0.0	108.6	1	
1K	111	-4700	-20	0	0	-96	19	87.4	39.1	0.7	0.0	126.5	1	
1L	111	-4700	54	0	0	-96	-6	87.4	29.2	2.0	0.0	116.5	1	

1M	111	-1308	-20	120	0	-65	19	24.3	31.2	10.2	0.0	55.5	1
1N	111	-1308	54	120	0	-65	-6	24.3	21.3	10.2	0.0	45.6	1
1O	111	-1308	-20	0	0	-96	19	24.3	39.1	0.7	0.0	63.5	1
1P	111	-1308	54	0	0	-96	-6	24.3	29.2	2.0	0.0	53.5	1
2	111	-13770	48	213	0	-372	1	255.9	96.8	18.0	0.0	352.7	1
7	111	-11050	36	165	0	-297	4	205.4	79.6	14.0	0.0	285.0	1
8	111	-10820	43	168	0	-290	3	201.1	76.6	14.2	0.0	277.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5118	25	48	23	23	14	1.03	1.00	140.1	
1B	-5118	25	57	23	23	14	1.03	1.00	147.2	
1C	-5118	85	48	23	23	14	1.03	1.00	155.6	
1D	-5118	85	57	23	23	14	1.03	1.00	162.8	
1E	-984	25	48	23	23	14	1.03	1.00	60.9	
1F	-984	25	57	23	23	14	1.03	1.00	68.0	
1G	-984	85	48	23	23	14	1.03	1.00	76.4	
1H	-984	85	57	23	23	14	1.03	1.00	83.6	
1I	-4747	26	30	23	23	14	1.03	1.00	120.4	
1J	-4747	26	40	23	23	14	1.03	1.00	127.5	
1K	-4747	95	30	23	23	14	1.03	1.00	138.1	
1L	-4747	95	40	23	23	14	1.03	1.00	145.2	
1M	-1355	26	30	23	23	14	1.03	1.00	55.4	
1N	-1355	26	40	23	23	14	1.03	1.00	62.5	
1O	-1355	95	30	23	23	14	1.03	1.00	73.1	
1P	-1355	95	40	23	23	14	1.03	1.00	80.2	
2	-13830	278	30	23	23	14	1.03	1.00	359.5	
7	-11110	224	20	23	23	14	1.03	1.00	285.5	
8	-10880	216	26	23	23	14	1.03	1.00	283.5	

ASTA NUM. 325 NI 506 NF 507 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4887	-85	124	0	-2	32	90.8	24.7	10.5	0.0	115.5	1	
1B	0	-4887	144	124	0	-2	-27	90.8	20.5	10.5	0.0	111.4	1	
1C	0	-4887	-85	-105	0	-119	32	90.8	55.0	8.9	0.0	145.8	1	
1D	0	-4887	144	-105	0	-119	-27	90.8	50.8	8.9	0.0	141.7	1	
1E	0	-1281	-85	124	0	-2	32	23.8	24.7	10.5	0.0	48.5	1	
1F	0	-1281	144	124	0	-2	-27	23.8	20.5	10.5	0.0	44.3	1	
1G	0	-1281	-85	-105	0	-119	32	23.8	55.0	8.9	0.0	78.8	1	
1H	0	-1281	144	-105	0	-119	-27	23.8	50.8	8.9	0.0	74.6	1	
1I	0	-4561	-42	95	0	1	27	84.8	20.7	8.1	0.0	105.5	1	
1J	0	-4561	101	95	0	1	-22	84.8	16.5	8.1	0.0	101.3	1	
1K	0	-4561	-42	-76	0	-122	27	84.8	51.8	6.4	0.0	136.6	1	
1L	0	-4561	101	-76	0	-122	-22	84.8	47.7	6.4	0.0	132.5	1	
1M	0	-1607	-42	95	0	1	27	29.9	20.7	8.1	0.0	50.5	1	
1N	0	-1607	101	95	0	1	-22	29.9	16.5	8.1	0.0	46.4	1	
1O	0	-1607	-42	-76	0	-122	27	29.9	51.8	6.4	0.0	81.7	1	
1P	0	-1607	101	-76	0	-122	-22	29.9	47.7	6.4	0.0	77.5	1	
2	0	-14050	81	30	0	-304	-12	261.2	87.5	3.1	0.0	348.7	1	
7	0	-11260	60	18	0	-246	-5	209.3	67.4	2.3	0.0	276.7	1	
8	0	-11030	73	21	0	-237	-10	205.0	68.2	2.8	0.0	273.2	1	
1A	55	-4863	-85	124	0	-71	-15	90.4	29.8	10.5	0.0	120.2	1	
1B	55	-4863	144	124	0	-71	53	90.4	58.3	10.5	0.0	148.7	1	
1C	55	-4863	-85	-105	0	-61	-15	90.4	27.1	8.9	0.0	117.5	1	
1D	55	-4863	144	-105	0	-61	53	90.4	55.6	8.9	0.0	146.0	1	
1E	55	-1258	-85	124	0	-71	-15	23.4	29.8	10.5	0.0	53.2	1	
1F	55	-1258	144	124	0	-71	53	23.4	58.3	10.5	0.0	81.6	1	
1G	55	-1258	-85	-105	0	-61	-15	23.4	27.1	8.9	0.0	50.5	1	
1H	55	-1258	144	-105	0	-61	53	23.4	55.6	8.9	0.0	78.9	1	
1I	55	-4538	-42	95	0	-52	3	84.3	15.4	8.1	0.0	99.7	1	
1J	55	-4538	101	95	0	-52	35	84.3	40.0	8.1	0.0	124.3	1	
1K	55	-4538	-42	-76	0	-79	3	84.3	22.4	6.4	0.0	106.7	1	
1L	55	-4538	101	-76	0	-79	35	84.3	46.9	6.4	0.0	131.3	1	
1M	55	-1583	-42	95	0	-52	3	29.4	15.4	8.1	0.0	44.8	1	
1N	55	-1583	101	95	0	-52	35	29.4	40.0	8.1	0.0	69.4	1	
1O	55	-1583	-42	-76	0	-79	3	29.4	22.4	6.4	0.0	51.8	1	
1P	55	-1583	101	-76	0	-79	35	29.4	46.9	6.4	0.0	76.4	1	
2	55	-14015	81	30	0	-321	33	260.5	107.0	3.1	0.0	367.5	1	
7	55	-11225	60	18	0	-256	28	208.6	86.9	2.3	0.0	295.6	1	
8	55	-11000	73	21	0	-249	31	204.5	87.2	2.8	0.0	291.7	1	
1A	111	-4840	-85	124	0	-140	-63	90.0	83.4	10.5	0.0	173.3	1	
1B	111	-4840	144	124	0	-140	134	90.0	136.2	10.5	0.0	226.2	1	
1C	111	-4840	-85	-105	0	-2	-63	90.0	47.7	8.9	0.0	137.7	1	
1D	111	-4840	144	-105	0	-2	134	90.0	100.5	8.9	0.0	190.5	1	
1E	111	-1234	-85	124	0	-140	-63	22.9	83.4	10.5	0.0	106.3	1	
1F	111	-1234	144	124	0	-140	134	22.9	136.2	10.5	0.0	159.1	1	
1G	111	-1234	-85	-105	0	-2	-63	22.9	47.7	8.9	0.0	70.6	1	
1H	111	-1234	144	-105	0	-2	134	22.9	100.5	8.9	0.0	123.5	1	
1I	111	-4514	-42	95	0	-106	-22	83.9	43.6	8.1	0.0	127.5	1	
1J	111	-4514	101	95	0	-106	93	83.9	96.4	8.1	0.0	180.4	1	
1K	111	-4514	-42	-76	0	-37	-22	83.9	25.9	6.4	0.0	109.8	1	
1L	111	-4514	101	-76	0	-37	93	83.9	78.7	6.4	0.0	162.6	1	
1M	111	-1560	-42	95	0	-106	-22	29.0	43.6	8.1	0.0	72.6	1	

1N	111	-1560	101	95	0	-106	93	29.0	96.4	8.1	0.0	125.4	1
1O	111	-1560	-42	-76	0	-37	-22	29.0	25.9	6.4	0.0	54.9	1
1P	111	-1560	101	-76	0	-37	93	29.0	78.7	6.4	0.0	107.7	1
2	111	-13980	81	30	0	-338	78	259.9	145.0	3.1	0.0	404.8	1
7	111	-11190	60	18	0	-266	61	208.0	114.5	2.3	0.0	322.5	1
8	111	-10970	73	21	0	-260	72	203.9	120.5	2.8	0.0	324.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4887	85	25	23	23	14	1.03	1.00	134.4	
1B	-4887	85	69	23	23	14	1.03	1.00	167.5	
1C	-4887	72	25	23	23	14	1.03	1.00	131.1	
1D	-4887	72	69	23	23	14	1.03	1.00	164.3	
1E	-1281	85	25	23	23	14	1.03	1.00	65.3	
1F	-1281	85	69	23	23	14	1.03	1.00	98.4	
1G	-1281	72	25	23	23	14	1.03	1.00	62.1	
1H	-1281	72	69	23	23	14	1.03	1.00	95.2	
1I	-4561	63	11	23	23	14	1.03	1.00	111.7	
1J	-4561	63	47	23	23	14	1.03	1.00	138.7	
1K	-4561	88	11	23	23	14	1.03	1.00	118.1	
1L	-4561	88	47	23	23	14	1.03	1.00	145.1	
1M	-1607	63	11	23	23	14	1.03	1.00	55.1	
1N	-1607	63	47	23	23	14	1.03	1.00	82.1	
1O	-1607	88	11	23	23	14	1.03	1.00	61.5	
1P	-1607	88	47	23	23	14	1.03	1.00	88.5	
2	-14050	324	42	23	23	14	1.03	1.00	384.0	
7	-11260	258	35	23	23	14	1.03	1.00	308.3	
8	-11030	251	39	23	23	14	1.03	1.00	305.3	

ASTA NUM. 326 NI 507 NF 508 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5735	-214	305	0	-33	105	106.6	87.2	25.9	0.0	193.8	1	
1B	0	-5735	335	305	0	-33	-36	106.6	35.7	25.9	0.0	142.3	1	
1C	0	-5735	-214	-41	0	-72	105	106.6	97.3	8.0	0.0	203.9	1	
1D	0	-5735	335	-41	0	-72	-36	106.6	45.8	12.6	0.0	152.4	1	
1E	0	-1943	-214	305	0	-33	105	36.1	87.2	25.9	0.0	123.3	1	
1F	0	-1943	335	305	0	-33	-36	36.1	35.7	25.9	0.0	71.8	1	
1G	0	-1943	-214	-41	0	-72	105	36.1	97.3	8.0	0.0	133.4	1	
1H	0	-1943	335	-41	0	-72	-36	36.1	45.8	12.6	0.0	81.9	1	
1I	0	-5307	-139	270	0	-22	76	98.6	62.7	22.9	0.0	161.3	1	
1J	0	-5307	260	270	0	-22	-7	98.6	11.2	22.9	0.0	110.9	3	
1K	0	-5307	-139	-6	0	-83	76	98.6	78.3	5.2	0.0	177.0	1	
1L	0	-5307	260	-6	0	-83	-7	98.6	26.8	9.7	0.0	125.4	1	
1M	0	-2371	-139	270	0	-22	76	44.1	62.7	22.9	0.0	106.8	1	
1N	0	-2371	260	270	0	-22	-7	44.1	11.2	22.9	0.0	62.8	3	
1O	0	-2371	-139	-6	0	-83	76	44.1	78.3	5.2	0.0	122.4	1	
1P	0	-2371	260	-6	0	-83	-7	44.1	26.8	9.7	0.0	70.9	1	
2	0	-16350	160	494	0	-276	68	303.9	122.2	41.9	0.0	426.1	1	
7	0	-12870	112	390	0	-221	56	239.2	99.2	33.0	0.0	338.4	1	
8	0	-12830	147	383	0	-212	64	238.5	102.2	32.5	0.0	340.6	1	
1A	55	-5712	-214	305	0	-205	290	106.2	270.0	25.9	0.0	376.1	1	
1B	55	-5712	335	305	0	-205	-155	106.2	168.4	25.9	0.0	274.5	1	
1C	55	-5712	-214	-41	0	-46	290	106.2	229.0	8.0	0.0	335.2	1	
1D	55	-5712	335	-41	0	-46	-155	106.2	127.4	12.6	0.0	233.6	1	
1E	55	-1919	-214	305	0	-205	290	35.7	270.0	25.9	0.0	305.6	1	
1F	55	-1919	335	305	0	-205	-155	35.7	168.4	25.9	0.0	204.0	1	
1G	55	-1919	-214	-41	0	-46	290	35.7	229.0	8.0	0.0	264.7	1	
1H	55	-1919	335	-41	0	-46	-155	35.7	127.4	12.6	0.0	163.1	1	
1I	55	-5283	-139	270	0	-173	219	98.2	208.3	22.9	0.0	306.5	1	
1J	55	-5283	260	270	0	-173	-83	98.2	106.7	22.9	0.0	204.9	1	
1K	55	-5283	-139	-6	0	-77	219	98.2	183.7	5.2	0.0	281.9	1	
1L	55	-5283	260	-6	0	-77	-83	98.2	82.1	9.7	0.0	180.3	1	
1M	55	-2348	-139	270	0	-173	219	43.6	208.3	22.9	0.0	251.9	1	
1N	55	-2348	260	270	0	-173	-83	43.6	106.7	22.9	0.0	150.3	1	
1O	55	-2348	-139	-6	0	-77	219	43.6	183.7	5.2	0.0	227.3	1	
1P	55	-2348	260	-6	0	-77	-83	43.6	82.1	9.7	0.0	125.7	1	
2	55	-16320	160	494	0	-549	157	303.3	258.8	41.9	0.0	562.2	1	
7	55	-12840	112	390	0	-437	118	238.7	200.9	33.0	0.0	439.6	1	
8	55	-12800	147	383	0	-424	145	237.9	217.4	32.5	0.0	455.3	1	
1A	111	-5688	-214	305	0	-377	475	105.7	452.7	25.9	0.0	558.4	1	
1B	111	-5688	335	305	0	-377	-273	105.7	301.0	25.9	0.0	406.8	1	
1C	111	-5688	-214	-41	0	-19	475	105.7	360.7	8.0	0.0	466.4	1	
1D	111	-5688	335	-41	0	-19	-273	105.7	209.1	12.6	0.0	314.8	1	
1E	111	-1896	-214	305	0	-377	475	35.2	452.7	25.9	0.0	487.9	1	
1F	111	-1896	335	305	0	-377	-273	35.2	301.0	25.9	0.0	336.3	1	
1G	111	-1896	-214	-41	0	-19	475	35.2	360.7	8.0	0.0	395.9	1	
1H	111	-1896	335	-41	0	-19	-273	35.2	209.1	12.6	0.0	244.3	1	
1I	111	-5260	-139	270	0	-324	361	97.8	353.9	22.9	0.0	451.6	1	
1J	111	-5260	260	270	0	-324	-159	97.8	202.2	22.9	0.0	300.0	1	
1K	111	-5260	-139	-6	0	-72	361	97.8	289.0	5.2	0.0	386.8	1	
1L	111	-5260	260	-6	0	-72	-159	97.8	137.4	9.7	0.0	235.2	1	
1M	111	-2324	-139	270	0	-324	361	43.2	353.9	22.9	0.0	397.1	1	
1N	111	-2324	260	270	0	-324	-159	43.2	202.2	22.9	0.0	245.4	1	

1O	111	-2324	-139	-6	0	-72	361	43.2	289.0	5.2	0.0	332.2	1
1P	111	-2324	260	-6	0	-72	-159	43.2	137.4	9.7	0.0	180.6	1
2	111	-16290	160	494	0	-822	246	302.8	395.4	41.9	0.0	698.2	1
7	111	-12810	112	390	0	-652	180	238.1	302.7	33.0	0.0	540.8	1
8	111	-12770	147	383	0	-636	226	237.4	332.7	32.5	0.0	570.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5735	239	327	23	23	14	1.03	1.00	417.0	
1B	-5735	239	178	23	23	14	1.03	1.00	305.1	
1C	-5735	51	327	23	23	14	1.03	1.00	368.5	
1D	-5735	51	178	23	23	14	1.03	1.00	256.6	
1E	-1943	239	327	23	23	14	1.03	1.00	343.9	
1F	-1943	239	178	23	23	14	1.03	1.00	232.2	
1G	-1943	51	327	23	23	14	1.03	1.00	295.5	
1H	-1943	51	178	23	23	14	1.03	1.00	183.8	
1I	-5307	203	247	23	23	14	1.03	1.00	339.5	
1J	-5307	203	98	23	23	14	1.03	1.00	227.6	
1K	-5307	78	247	23	23	14	1.03	1.00	307.4	
1L	-5307	78	98	23	23	14	1.03	1.00	195.5	
1M	-2371	203	247	23	23	14	1.03	1.00	283.0	
1N	-2371	203	98	23	23	14	1.03	1.00	171.3	
1O	-2371	78	247	23	23	14	1.03	1.00	250.9	
1P	-2371	78	98	23	23	14	1.03	1.00	139.2	
2	-16350	604	175	23	23	14	1.03	1.00	600.7	
7	-12870	480	131	23	23	14	1.03	1.00	468.6	
8	-12830	466	161	23	23	14	1.03	1.00	487.1	

ASTA NUM. 327 NI 461 NF 462 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9849	-7	339	0	409	18	183.1	118.3	28.8	0.0	301.4	1	
1B	0	-9849	12	339	0	409	-8	183.1	111.4	28.8	0.0	294.5	1	
1C	0	-9849	-7	-165	0	-265	18	183.1	81.3	14.0	0.0	264.3	1	
1D	0	-9849	12	-165	0	-265	-8	183.1	74.3	14.0	0.0	257.4	1	
1E	0	6891	-7	339	0	409	18	128.1	118.3	28.8	0.0	246.4	1	
1F	0	6891	12	339	0	409	-8	128.1	111.4	28.8	0.0	239.5	1	
1G	0	6891	-7	-165	0	-265	18	128.1	81.3	14.0	0.0	209.4	1	
1H	0	6891	12	-165	0	-265	-8	128.1	74.3	14.0	0.0	202.4	1	
1I	0	-13709	-3	263	0	508	14	254.8	141.0	22.3	0.0	395.8	1	
1J	0	-13709	9	263	0	508	-4	254.8	134.1	22.3	0.0	388.9	1	
1K	0	-13709	-3	-89	0	-364	14	254.8	103.9	7.5	0.0	358.7	1	
1L	0	-13709	9	-89	0	-364	-4	254.8	97.0	7.5	0.0	351.8	1	
1M	0	10751	-3	263	0	508	14	199.8	141.0	22.3	0.0	340.8	1	
1N	0	10751	9	263	0	508	-4	199.8	134.1	22.3	0.0	333.9	1	
1O	0	10751	-3	-89	0	-364	14	199.8	103.9	7.5	0.0	303.7	1	
1P	0	10751	9	-89	0	-364	-4	199.8	97.0	7.5	0.0	296.8	1	
2	0	-9346	8	280	0	94	9	173.7	30.8	23.7	0.0	204.6	1	
7	0	-8463	7	219	0	51	8	157.3	18.9	18.5	0.0	176.3	1	
8	0	-7365	7	228	0	87	8	136.9	28.3	19.4	0.0	165.2	1	
1A	55	-9826	-7	339	0	243	23	182.6	79.9	28.8	0.0	262.5	1	
1B	55	-9826	12	339	0	243	-11	182.6	70.6	28.8	0.0	253.3	1	
1C	55	-9826	-7	-165	0	-195	23	182.6	67.6	14.0	0.0	250.2	1	
1D	55	-9826	12	-165	0	-195	-11	182.6	58.4	14.0	0.0	241.0	1	
1E	55	6914	-7	339	0	243	23	128.5	79.9	28.8	0.0	208.4	1	
1F	55	6914	12	339	0	243	-11	128.5	70.6	28.8	0.0	199.2	1	
1G	55	6914	-7	-165	0	-195	23	128.5	67.6	14.0	0.0	196.1	1	
1H	55	6914	12	-165	0	-195	-11	128.5	58.4	14.0	0.0	186.9	1	
1I	55	-13685	-3	263	0	369	17	254.4	107.7	22.3	0.0	362.0	1	
1J	55	-13685	9	263	0	369	-5	254.4	98.4	22.3	0.0	352.8	1	
1K	55	-13685	-3	-89	0	-321	17	254.4	95.4	7.5	0.0	349.8	1	
1L	55	-13685	9	-89	0	-321	-5	254.4	86.2	7.5	0.0	340.6	1	
1M	55	10774	-3	263	0	369	17	200.3	107.7	22.3	0.0	307.9	1	
1N	55	10774	9	263	0	369	-5	200.3	98.4	22.3	0.0	298.7	1	
1O	55	10774	-3	-89	0	-321	17	200.3	95.4	7.5	0.0	295.7	1	
1P	55	10774	9	-89	0	-321	-5	200.3	86.2	7.5	0.0	286.5	1	
2	55	-9316	8	280	0	-60	13	173.2	25.4	23.7	0.0	198.6	1	
7	55	-8432	7	219	0	-70	12	156.7	26.6	18.5	0.0	183.3	1	
8	55	-7334	7	228	0	-39	12	136.3	18.7	19.4	0.0	155.0	1	
1A	111	-9802	-7	339	0	77	29	182.2	41.4	28.8	0.0	223.6	1	
1B	111	-9802	12	339	0	77	-14	182.2	29.9	28.8	0.0	212.1	1	
1C	111	-9802	-7	-165	0	-126	29	182.2	53.9	14.0	0.0	236.1	1	
1D	111	-9802	12	-165	0	-126	-14	182.2	42.4	14.0	0.0	224.6	1	
1E	111	6938	-7	339	0	77	29	129.0	41.4	28.8	0.0	170.3	1	
1F	111	6938	12	339	0	77	-14	129.0	29.9	28.8	0.0	158.8	1	
1G	111	6938	-7	-165	0	-126	29	129.0	53.9	14.0	0.0	182.9	1	
1H	111	6938	12	-165	0	-126	-14	129.0	42.4	14.0	0.0	171.4	1	
1I	111	-13662	-3	263	0	230	20	253.9	74.3	22.3	0.0	328.3	1	
1J	111	-13662	9	263	0	230	-5	253.9	62.8	22.3	0.0	316.8	1	
1K	111	-13662	-3	-89	0	-279	20	253.9	86.9	7.5	0.0	340.8	1	
1L	111	-13662	9	-89	0	-279	-5	253.9	75.4	7.5	0.0	329.3	1	
1M	111	10798	-3	263	0	230	20	200.7	74.3	22.3	0.0	275.0	1	
1N	111	10798	9	263	0	230	-5	200.7	62.8	22.3	0.0	263.5	1	
1O	111	10798	-3	-89	0	-279	20	200.7	86.9	7.5	0.0	287.6	1	

1P	111	10798	9	-89	0	-279	-5	200.7	75.4	7.5	0.0	276.1	1
2	111	-9285	8	280	0	-215	18	172.6	68.6	23.7	0.0	241.2	1
7	111	-8402	7	219	0	-191	15	156.2	60.6	18.5	0.0	216.8	1
8	111	-7304	7	228	0	-166	15	135.8	54.0	19.4	0.0	189.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9849	276	24	23	23	14	1.03	1.00	278.0	
1B	-9849	276	11	23	23	14	1.03	1.00	268.3	
1C	-9849	209	24	23	23	14	1.03	1.00	260.8	
1D	-9849	209	11	23	23	14	1.03	1.00	251.1	
1E	6938	276	24	23	23	14	1.00	1.00	218.2	
1F	6938	276	11	23	23	14	1.00	1.00	208.5	
1G	6938	209	24	23	23	14	1.00	1.00	201.0	
1H	6938	209	11	23	23	14	1.00	1.00	191.3	
1I	-13709	397	18	23	23	14	1.03	1.00	378.1	
1J	-13709	397	5	23	23	14	1.03	1.00	368.4	
1K	-13709	330	18	23	23	14	1.03	1.00	360.8	
1L	-13709	330	5	23	23	14	1.03	1.00	351.1	
1M	10798	397	18	23	23	14	1.00	1.00	316.0	
1N	10798	397	5	23	23	14	1.00	1.00	306.3	
1O	10798	330	18	23	23	14	1.00	1.00	298.8	
1P	10798	330	5	23	23	14	1.00	1.00	289.1	
2	-9346	91	14	23	23	14	1.03	1.00	213.1	
7	-8463	94	12	23	23	14	1.03	1.00	195.5	
8	-7365	66	12	23	23	14	1.03	1.00	167.3	

ASTA NUM. 328 NI 462 NF 463 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9605	-30	160	0	157	29	178.5	62.4	13.6	0.0	240.9	1	
1B	0	-9605	30	160	0	157	-13	178.5	50.3	13.6	0.0	228.9	1	
1C	0	-9605	-30	-161	0	-171	29	178.5	66.0	13.7	0.0	244.5	1	
1D	0	-9605	30	-161	0	-171	-13	178.5	53.9	13.7	0.0	232.4	1	
1E	0	6605	-30	160	0	157	29	122.8	62.4	13.6	0.0	185.1	1	
1F	0	6605	30	160	0	157	-13	122.8	50.3	13.6	0.0	173.1	1	
1G	0	6605	-30	-161	0	-171	29	122.8	66.0	13.7	0.0	188.7	1	
1H	0	6605	30	-161	0	-171	-13	122.8	53.9	13.7	0.0	176.7	1	
1I	0	-13386	-14	147	0	334	20	248.8	100.9	12.4	0.0	349.7	1	
1J	0	-13386	14	147	0	334	-4	248.8	88.9	12.4	0.0	337.7	1	
1K	0	-13386	-14	-148	0	-347	20	248.8	104.5	12.5	0.0	353.3	1	
1L	0	-13386	14	-148	0	-347	-4	248.8	92.5	12.5	0.0	341.3	1	
1M	0	10386	-14	147	0	334	20	193.1	100.9	12.4	0.0	294.0	1	
1N	0	10386	14	147	0	334	-4	193.1	88.9	12.4	0.0	281.9	1	
1O	0	10386	-14	-148	0	-347	20	193.1	104.5	12.5	0.0	297.6	1	
1P	0	10386	14	-148	0	-347	-4	193.1	92.5	12.5	0.0	285.5	1	
2	0	-9575	-1	-1	0	-142	19	178.0	50.9	0.0	0.0	228.8	1	
7	0	-8595	-1	-14	0	-142	17	159.8	49.1	1.2	0.0	208.8	1	
8	0	-7526	-1	-3	0	-109	16	139.9	40.3	0.3	0.0	180.2	1	
1A	55	-9582	-30	160	0	4	36	178.1	28.0	13.6	0.0	206.1	1	
1B	55	-9582	30	160	0	4	-20	178.1	16.0	13.6	0.0	194.1	1	
1C	55	-9582	-30	-161	0	-18	36	178.1	31.4	13.7	0.0	209.5	1	
1D	55	-9582	30	-161	0	-18	-20	178.1	19.4	13.7	0.0	197.5	1	
1E	55	6628	-30	160	0	4	36	123.2	28.0	13.6	0.0	151.2	1	
1F	55	6628	30	160	0	4	-20	123.2	16.0	13.6	0.0	139.2	1	
1G	55	6628	-30	-161	0	-18	36	123.2	31.4	13.7	0.0	154.6	1	
1H	55	6628	30	-161	0	-18	-20	123.2	19.4	13.7	0.0	142.6	1	
1I	55	-13363	-14	147	0	276	24	248.4	88.6	12.4	0.0	337.0	1	
1J	55	-13363	14	147	0	276	-8	248.4	76.6	12.4	0.0	325.0	1	
1K	55	-13363	-14	-148	0	-289	24	248.4	92.1	12.5	0.0	340.5	1	
1L	55	-13363	14	-148	0	-289	-8	248.4	80.1	12.5	0.0	328.5	1	
1M	55	10409	-14	147	0	276	24	193.5	88.6	12.4	0.0	282.1	1	
1N	55	10409	14	147	0	276	-8	193.5	76.6	12.4	0.0	270.1	1	
1O	55	10409	-14	-148	0	-289	24	193.5	92.1	12.5	0.0	285.6	1	
1P	55	10409	14	-148	0	-289	-8	193.5	80.1	12.5	0.0	273.5	1	
2	55	-9544	-1	-1	0	-142	18	177.4	50.3	0.0	0.0	227.7	1	
7	55	-8564	-1	-14	0	-134	16	159.2	46.8	1.2	0.0	205.9	1	
8	55	-7496	-1	-3	0	-108	16	139.3	39.5	0.3	0.0	178.8	1	
1A	111	-9559	-30	160	0	-148	42	177.7	69.7	13.6	0.0	247.4	1	
1B	111	-9559	30	160	0	-148	-26	177.7	57.8	13.6	0.0	235.4	1	
1C	111	-9559	-30	-161	0	135	42	177.7	66.4	13.7	0.0	244.1	1	
1D	111	-9559	30	-161	0	135	-26	177.7	54.5	13.7	0.0	232.1	1	
1E	111	6651	-30	160	0	-148	42	123.6	69.7	13.6	0.0	193.4	1	
1F	111	6651	30	160	0	-148	-26	123.6	57.8	13.6	0.0	181.4	1	
1G	111	6651	-30	-161	0	135	42	123.6	66.4	13.7	0.0	190.1	1	
1H	111	6651	30	-161	0	135	-26	123.6	54.5	13.7	0.0	178.1	1	
1I	111	-13340	-14	147	0	218	27	248.0	76.3	12.4	0.0	324.3	1	
1J	111	-13340	14	147	0	218	-11	248.0	64.4	12.4	0.0	312.3	1	
1K	111	-13340	-14	-148	0	-231	27	248.0	79.6	12.5	0.0	327.6	1	
1L	111	-13340	14	-148	0	-231	-11	248.0	67.7	12.5	0.0	315.6	1	
1M	111	10432	-14	147	0	218	27	193.9	76.3	12.4	0.0	270.2	1	
1N	111	10432	14	147	0	218	-11	193.9	64.4	12.4	0.0	258.3	1	
1O	111	10432	-14	-148	0	-231	27	193.9	79.6	12.5	0.0	273.5	1	
1P	111	10432	14	-148	0	-231	-11	193.9	67.7	12.5	0.0	261.6	1	

2	111	-9514	-1	-1	0	-142	18	176.8	49.7	0.0	0.0	226.6	1
7	111	-8534	-1	-14	0	-127	16	158.6	44.4	1.2	0.0	203.1	1
8	111	-7465	-1	-3	0	-106	15	138.8	38.7	0.3	0.0	177.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9605	63	37	23	23	14	1.03	1.00	228.0	
1B	-9605	63	21	23	23	14	1.03	1.00	215.9	
1C	-9605	68	37	23	23	14	1.03	1.00	229.4	
1D	-9605	68	21	23	23	14	1.03	1.00	217.4	
1E	6651	63	37	23	23	14	1.00	1.00	167.6	
1F	6651	63	21	23	23	14	1.00	1.00	155.6	
1G	6651	68	37	23	23	14	1.00	1.00	169.0	
1H	6651	68	21	23	23	14	1.00	1.00	157.0	
1I	-13386	287	24	23	23	14	1.03	1.00	348.7	
1J	-13386	287	8	23	23	14	1.03	1.00	336.6	
1K	-13386	301	24	23	23	14	1.03	1.00	352.1	
1L	-13386	301	8	23	23	14	1.03	1.00	340.1	
1M	10432	287	24	23	23	14	1.00	1.00	286.0	
1N	10432	287	8	23	23	14	1.00	1.00	274.0	
1O	10432	301	24	23	23	14	1.00	1.00	289.5	
1P	10432	301	8	23	23	14	1.00	1.00	277.5	
2	-9575	142	19	23	23	14	1.03	1.00	233.8	
7	-8595	136	16	23	23	14	1.03	1.00	211.9	
8	-7526	108	16	23	23	14	1.03	1.00	183.8	

ASTA NUM. 329 NI 463 NF 464 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7326	-14	148	0	144	37	136.2	64.7	12.6	0.0	200.9	1	
1B	0	-7326	15	148	0	144	-20	136.2	51.8	12.6	0.0	188.0	1	
1C	0	-7326	-14	-20	0	-120	37	136.2	58.5	1.7	0.0	194.7	1	
1D	0	-7326	15	-20	0	-120	-20	136.2	45.7	1.7	0.0	181.8	1	
1E	0	2366	-14	148	0	144	37	44.0	64.7	12.6	0.0	108.7	1	
1F	0	2366	15	148	0	144	-20	44.0	51.8	12.6	0.0	95.8	1	
1G	0	2366	-14	-20	0	-120	37	44.0	58.5	1.7	0.0	102.5	1	
1H	0	2366	15	-20	0	-120	-20	44.0	45.7	1.7	0.0	89.6	1	
1I	0	-9707	-8	204	0	300	26	180.4	96.9	17.3	0.0	277.3	1	
1J	0	-9707	9	204	0	300	-9	180.4	84.0	17.3	0.0	264.4	1	
1K	0	-9707	-8	-76	0	-276	26	180.4	90.7	6.4	0.0	271.1	1	
1L	0	-9707	9	-76	0	-276	-9	180.4	77.8	6.4	0.0	258.2	1	
1M	0	4747	-8	204	0	300	26	88.2	96.9	17.3	0.0	185.1	1	
1N	0	4747	9	204	0	300	-9	88.2	84.0	17.3	0.0	172.2	1	
1O	0	4747	-8	-76	0	-276	26	88.2	90.7	6.4	0.0	178.9	1	
1P	0	4747	9	-76	0	-276	-9	88.2	77.8	6.4	0.0	166.0	1	
2	0	-13670	-0	249	0	-67	23	254.1	34.6	21.1	0.0	288.7	1	
7	0	-11350	0	184	0	-76	21	211.0	35.3	15.6	0.0	246.2	1	
8	0	-10690	-0	197	0	-48	19	198.7	26.9	16.7	0.0	225.6	1	
1A	55	-7303	-14	148	0	69	38	135.7	45.9	12.6	0.0	181.6	1	
1B	55	-7303	15	148	0	69	-20	135.7	32.9	12.6	0.0	168.6	1	
1C	55	-7303	-14	-20	0	-115	38	135.7	57.9	1.7	0.0	193.6	1	
1D	55	-7303	15	-20	0	-115	-20	135.7	44.9	1.7	0.0	180.6	1	
1E	55	2390	-14	148	0	69	38	44.4	45.9	12.6	0.0	90.3	1	
1F	55	2390	15	148	0	69	-20	44.4	32.9	12.6	0.0	77.3	1	
1G	55	2390	-14	-20	0	-115	38	44.4	57.9	1.7	0.0	102.3	1	
1H	55	2390	15	-20	0	-115	-20	44.4	44.9	1.7	0.0	89.3	1	
1I	55	-9683	-8	204	0	190	27	180.0	69.3	17.3	0.0	249.3	1	
1J	55	-9683	9	204	0	190	-10	180.0	56.3	17.3	0.0	236.3	1	
1K	55	-9683	-8	-76	0	-236	27	180.0	81.3	6.4	0.0	261.3	1	
1L	55	-9683	9	-76	0	-236	-10	180.0	68.3	6.4	0.0	248.3	1	
1M	55	4770	-8	204	0	190	27	88.7	69.3	17.3	0.0	158.0	1	
1N	55	4770	9	204	0	190	-10	88.7	56.3	17.3	0.0	145.0	1	
1O	55	4770	-8	-76	0	-236	27	88.7	81.3	6.4	0.0	170.0	1	
1P	55	4770	9	-76	0	-236	-10	88.7	68.3	6.4	0.0	157.0	1	
2	55	-13640	-0	249	0	-205	23	253.5	70.0	21.1	0.0	323.6	1	
7	55	-11320	0	184	0	-178	21	210.4	61.5	15.6	0.0	271.9	1	
8	55	-10660	-0	197	0	-157	19	198.1	54.9	16.7	0.0	253.1	1	
1A	111	-7279	-14	148	0	-7	38	135.3	30.5	12.6	0.0	165.8	1	
1B	111	-7279	15	148	0	-7	-21	135.3	17.4	12.6	0.0	152.7	1	
1C	111	-7279	-14	-20	0	-111	38	135.3	57.3	1.7	0.0	192.6	1	
1D	111	-7279	15	-20	0	-111	-21	135.3	44.2	1.7	0.0	179.5	1	
1E	111	2413	-14	148	0	-7	38	44.9	30.5	12.6	0.0	75.4	1	
1F	111	2413	15	148	0	-7	-21	44.9	17.4	12.6	0.0	62.3	1	
1G	111	2413	-14	-20	0	-111	38	44.9	57.3	1.7	0.0	102.1	1	
1H	111	2413	15	-20	0	-111	-21	44.9	44.2	1.7	0.0	89.0	1	
1I	111	-9660	-8	204	0	79	28	179.6	41.7	17.3	0.0	221.3	1	
1J	111	-9660	9	204	0	79	-11	179.6	28.6	17.3	0.0	208.2	1	
1K	111	-9660	-8	-76	0	-197	28	179.6	71.9	6.4	0.0	251.4	1	
1L	111	-9660	9	-76	0	-197	-11	179.6	58.8	6.4	0.0	238.3	1	
1M	111	4794	-8	204	0	79	28	89.1	41.7	17.3	0.0	130.8	1	
1N	111	4794	9	204	0	79	-11	89.1	28.6	17.3	0.0	117.7	1	
1O	111	4794	-8	-76	0	-197	28	89.1	71.9	6.4	0.0	161.0	1	
1P	111	4794	9	-76	0	-197	-11	89.1	58.8	6.4	0.0	147.9	1	
2	111	-13610	-0	249	0	-343	23	253.0	105.5	21.1	0.0	358.4	1	

7	111	-11290	0	184	0	-280	21	209.9	87.8	15.6	0.0	297.6	1
8	111	-10630	-0	197	0	-266	19	197.6	83.0	16.7	0.0	280.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7326	84	38	23	23	14	1.03	1.00	190.3	
1B	-7326	84	20	23	23	14	1.03	1.00	177.2	
1C	-7326	116	38	23	23	14	1.03	1.00	198.7	
1D	-7326	116	20	23	23	14	1.03	1.00	185.6	
1E	2413	84	38	23	23	14	1.00	1.00	94.8	
1F	2413	84	20	23	23	14	1.00	1.00	81.7	
1G	2413	116	38	23	23	14	1.00	1.00	103.1	
1H	2413	116	20	23	23	14	1.00	1.00	90.1	
1I	-9707	212	28	23	23	14	1.03	1.00	261.2	
1J	-9707	212	10	23	23	14	1.03	1.00	248.1	
1K	-9707	244	28	23	23	14	1.03	1.00	269.5	
1L	-9707	244	10	23	23	14	1.03	1.00	256.5	
1M	4794	212	28	23	23	14	1.00	1.00	164.2	
1N	4794	212	10	23	23	14	1.00	1.00	151.2	
1O	4794	244	28	23	23	14	1.00	1.00	172.6	
1P	4794	244	10	23	23	14	1.00	1.00	159.6	
2	-13670	232	23	23	23	14	1.03	1.00	339.1	
7	-11350	199	21	23	23	14	1.03	1.00	284.3	
8	-10690	179	19	23	23	14	1.03	1.00	265.4	

ASTA NUM. 330 NI 464 NF 465 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7126	-28	187	0	64	39	132.5	46.1	15.8	0.0	178.6	1	
1B	0	-7126	26	187	0	64	-19	132.5	30.5	15.8	0.0	163.0	1	
1C	0	-7126	-28	-188	0	-145	39	132.5	66.8	15.9	0.0	199.2	1	
1D	0	-7126	26	-188	0	-145	-19	132.5	51.2	15.9	0.0	183.6	1	
1E	0	2116	-28	187	0	64	39	39.3	46.1	15.8	0.0	85.5	1	
1F	0	2116	26	187	0	64	-19	39.3	30.5	15.8	0.0	69.9	1	
1G	0	2116	-28	-188	0	-145	39	39.3	66.8	15.9	0.0	106.1	1	
1H	0	2116	26	-188	0	-145	-19	39.3	51.2	15.9	0.0	90.5	1	
1I	0	-9406	-17	157	0	178	33	174.8	70.7	13.3	0.0	245.5	1	
1J	0	-9406	15	157	0	178	-12	174.8	55.1	13.3	0.0	229.9	1	
1K	0	-9406	-17	-158	0	-258	33	174.8	91.3	13.4	0.0	266.1	1	
1L	0	-9406	15	-158	0	-258	-12	174.8	75.7	13.4	0.0	250.6	1	
1M	0	4396	-17	157	0	178	33	81.7	70.7	13.3	0.0	152.4	1	
1N	0	4396	15	157	0	178	-12	81.7	55.1	13.3	0.0	136.8	1	
1O	0	4396	-17	-158	0	-258	33	81.7	91.3	13.4	0.0	173.0	1	
1P	0	4396	15	-158	0	-258	-12	81.7	75.7	13.4	0.0	157.4	1	
2	0	-13910	-12	-0	0	-268	30	258.6	91.4	0.5	0.0	349.9	1	
7	0	-11490	-10	-14	0	-230	27	213.6	79.5	1.2	0.0	293.0	1	
8	0	-10860	-9	-3	0	-208	25	201.9	72.1	0.3	0.0	274.0	1	
1A	55	-7103	-28	187	0	-65	43	132.0	49.2	15.8	0.0	181.2	1	
1B	55	-7103	26	187	0	-65	-23	132.0	34.4	15.8	0.0	166.4	1	
1C	55	-7103	-28	-188	0	-14	43	132.0	36.1	15.9	0.0	168.1	1	
1D	55	-7103	26	-188	0	-14	-23	132.0	21.3	15.9	0.0	153.3	1	
1E	55	2139	-28	187	0	-65	43	39.8	49.2	15.8	0.0	88.9	1	
1F	55	2139	26	187	0	-65	-23	39.8	34.4	15.8	0.0	74.1	1	
1G	55	2139	-28	-188	0	-14	43	39.8	36.1	15.9	0.0	75.9	1	
1H	55	2139	26	-188	0	-14	-23	39.8	21.3	15.9	0.0	61.0	1	
1I	55	-9383	-17	157	0	131	31	174.4	56.9	13.3	0.0	231.3	1	
1J	55	-9383	15	157	0	131	-11	174.4	42.1	13.3	0.0	216.5	1	
1K	55	-9383	-17	-158	0	-210	31	174.4	77.4	13.4	0.0	251.8	1	
1L	55	-9383	15	-158	0	-210	-11	174.4	62.6	13.4	0.0	237.0	1	
1M	55	4419	-17	157	0	131	31	82.1	56.9	13.3	0.0	139.1	1	
1N	55	4419	15	157	0	131	-11	82.1	42.1	13.3	0.0	124.2	1	
1O	55	4419	-17	-158	0	-210	31	82.1	77.4	13.4	0.0	159.5	1	
1P	55	4419	15	-158	0	-210	-11	82.1	62.6	13.4	0.0	144.7	1	
2	55	-13880	-12	-0	0	-268	23	258.0	86.2	0.5	0.0	344.2	1	
7	55	-11460	-10	-14	0	-222	21	213.0	73.1	1.2	0.0	286.1	1	
8	55	-10830	-9	-3	0	-206	20	201.3	67.9	0.3	0.0	269.2	1	
1A	111	-7080	-28	187	0	-195	47	131.6	85.4	15.8	0.0	217.0	1	
1B	111	-7080	26	187	0	-195	-28	131.6	71.4	15.8	0.0	203.0	1	
1C	111	-7080	-28	-188	0	116	47	131.6	65.1	15.9	0.0	196.7	1	
1D	111	-7080	26	-188	0	116	-28	131.6	51.1	15.9	0.0	182.7	1	
1E	111	2162	-28	187	0	-195	47	40.2	85.4	15.8	0.0	125.6	1	
1F	111	2162	26	187	0	-195	-28	40.2	71.4	15.8	0.0	111.6	1	
1G	111	2162	-28	-188	0	116	47	40.2	65.1	15.9	0.0	105.3	1	
1H	111	2162	26	-188	0	116	-28	40.2	51.1	15.9	0.0	91.3	1	
1I	111	-9360	-17	157	0	83	29	174.0	43.2	13.3	0.0	217.1	1	
1J	111	-9360	15	157	0	83	-10	174.0	29.1	13.3	0.0	203.1	1	
1K	111	-9360	-17	-158	0	-162	29	174.0	63.5	13.4	0.0	237.4	1	
1L	111	-9360	15	-158	0	-162	-10	174.0	49.4	13.4	0.0	223.4	1	
1M	111	4442	-17	157	0	83	29	82.6	43.2	13.3	0.0	125.7	1	
1N	111	4442	15	157	0	83	-10	82.6	29.1	13.3	0.0	111.7	1	
1O	111	4442	-17	-158	0	-162	29	82.6	63.5	13.4	0.0	146.0	1	
1P	111	4442	15	-158	0	-162	-10	82.6	49.4	13.4	0.0	132.0	1	
2	111	-13850	-12	-0	0	-268	16	257.4	81.1	0.5	0.0	338.5	1	
7	111	-11430	-10	-14	0	-214	16	212.5	66.8	1.2	0.0	279.2	1	

8	111	-10800	-9	-3	0	-204	15	200.7	63.8	0.3	0.0	264.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7126	91	44	23	23	14	1.03	1.00	193.0	
1B	-7126	91	24	23	23	14	1.03	1.00	178.3	
1C	-7126	58	44	23	23	14	1.03	1.00	184.4	
1D	-7126	58	24	23	23	14	1.03	1.00	169.7	
1E	2162	91	44	23	23	14	1.00	1.00	96.6	
1F	2162	91	24	23	23	14	1.00	1.00	82.0	
1G	2162	58	44	23	23	14	1.00	1.00	88.1	
1H	2162	58	24	23	23	14	1.00	1.00	73.4	
1I	-9406	140	32	23	23	14	1.03	1.00	239.9	
1J	-9406	140	12	23	23	14	1.03	1.00	224.9	
1K	-9406	220	32	23	23	14	1.03	1.00	260.5	
1L	-9406	220	12	23	23	14	1.03	1.00	245.4	
1M	4442	140	32	23	23	14	1.00	1.00	142.2	
1N	4442	140	12	23	23	14	1.00	1.00	127.3	
1O	4442	220	32	23	23	14	1.00	1.00	162.7	
1P	4442	220	12	23	23	14	1.00	1.00	147.8	
2	-13910	268	24	23	23	14	1.03	1.00	353.9	
7	-11490	223	23	23	23	14	1.03	1.00	294.6	
8	-10860	207	21	23	23	14	1.03	1.00	276.9	

ASTA NUM. 331 NI 465 NF 466 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4872	-25	171	0	120	53	90.6	70.4	14.5	0.0	161.0	1	
1B	0	-4872	26	171	0	120	-23	90.6	48.3	14.5	0.0	138.9	1	
1C	0	-4872	-25	-39	0	-162	53	90.6	81.3	3.3	0.0	171.8	1	
1D	0	-4872	26	-39	0	-162	-23	90.6	59.2	3.3	0.0	149.8	1	
1E	0	-2088	-25	171	0	120	53	38.8	70.4	14.5	0.0	109.2	1	
1F	0	-2088	26	171	0	120	-23	38.8	48.3	14.5	0.0	87.1	1	
1G	0	-2088	-25	-39	0	-162	53	38.8	81.3	3.3	0.0	120.1	1	
1H	0	-2088	26	-39	0	-162	-23	38.8	59.2	3.3	0.0	98.0	1	
1I	0	-5912	-17	215	0	161	38	109.9	69.6	18.2	0.0	179.5	1	
1J	0	-5912	18	215	0	161	-8	109.9	47.6	18.2	0.0	157.5	1	
1K	0	-5912	-17	-84	0	-203	38	109.9	80.5	7.1	0.0	190.4	1	
1L	0	-5912	18	-84	0	-203	-8	109.9	58.4	7.1	0.0	168.3	1	
1M	0	-1048	-17	215	0	161	38	19.5	69.6	18.2	0.0	89.1	1	
1N	0	-1048	18	215	0	161	-8	19.5	47.6	18.2	0.0	67.0	1	
1O	0	-1048	-17	-84	0	-203	38	19.5	80.5	7.1	0.0	100.0	1	
1P	0	-1048	18	-84	0	-203	-8	19.5	58.4	7.1	0.0	77.9	1	
2	0	-18000	-12	259	0	-193	30	334.6	72.4	22.0	0.0	406.9	1	
7	0	-14250	-9	191	0	-163	29	264.9	63.5	16.2	0.0	328.3	1	
8	0	-14020	-8	204	0	-146	27	260.6	57.7	17.3	0.0	318.3	1	
1A	55	-4849	-25	171	0	27	50	90.1	44.6	14.5	0.0	134.8	1	
1B	55	-4849	26	171	0	27	-20	90.1	22.3	14.5	0.0	112.4	1	
1C	55	-4849	-25	-39	0	-142	50	90.1	74.3	3.3	0.0	164.4	1	
1D	55	-4849	26	-39	0	-142	-20	90.1	51.9	3.3	0.0	142.0	1	
1E	55	-2065	-25	171	0	27	50	38.4	44.6	14.5	0.0	83.0	1	
1F	55	-2065	26	171	0	27	-20	38.4	22.3	14.5	0.0	60.6	1	
1G	55	-2065	-25	-39	0	-142	50	38.4	74.3	3.3	0.0	112.6	1	
1H	55	-2065	26	-39	0	-142	-20	38.4	51.9	3.3	0.0	90.3	1	
1I	55	-5889	-17	215	0	46	35	109.5	37.8	18.2	0.0	147.3	1	
1J	55	-5889	18	215	0	46	-5	109.5	15.4	18.2	0.0	124.9	1	
1K	55	-5889	-17	-84	0	-161	35	109.5	67.4	7.1	0.0	176.9	1	
1L	55	-5889	18	-84	0	-161	-5	109.5	45.0	7.1	0.0	154.5	1	
1M	55	-1025	-17	215	0	46	35	19.0	37.8	18.2	0.0	56.8	1	
1N	55	-1025	18	215	0	46	-5	19.0	15.4	18.2	0.0	40.8	3	
1O	55	-1025	-17	-84	0	-161	35	19.0	67.4	7.1	0.0	86.5	1	
1P	55	-1025	18	-84	0	-161	-5	19.0	45.0	7.1	0.0	64.1	1	
2	55	-17970	-12	259	0	-336	24	334.0	104.4	22.0	0.0	438.5	1	
7	55	-14215	-9	191	0	-269	24	264.2	86.8	16.2	0.0	351.0	1	
8	55	-13990	-8	204	0	-260	22	260.0	83.6	17.3	0.0	343.6	1	
1A	111	-4826	-25	171	0	-66	48	89.7	52.9	14.5	0.0	142.6	1	
1B	111	-4826	26	171	0	-66	-18	89.7	30.2	14.5	0.0	119.9	1	
1C	111	-4826	-25	-39	0	-122	48	89.7	67.2	3.3	0.0	157.0	1	
1D	111	-4826	26	-39	0	-122	-18	89.7	44.6	3.3	0.0	134.3	1	
1E	111	-2042	-25	171	0	-66	48	37.9	52.9	14.5	0.0	90.8	1	
1F	111	-2042	26	171	0	-66	-18	37.9	30.2	14.5	0.0	68.1	1	
1G	111	-2042	-25	-39	0	-122	48	37.9	67.2	3.3	0.0	105.2	1	
1H	111	-2042	26	-39	0	-122	-18	37.9	44.6	3.3	0.0	82.5	1	
1I	111	-5866	-17	215	0	-69	32	109.0	41.6	18.2	0.0	150.7	1	
1J	111	-5866	18	215	0	-69	-1	109.0	19.0	18.2	0.0	128.1	3	
1K	111	-5866	-17	-84	0	-119	32	109.0	54.3	7.1	0.0	163.4	1	
1L	111	-5866	18	-84	0	-119	-1	109.0	31.6	7.1	0.0	140.7	1	
1M	111	-1002	-17	215	0	-69	32	18.6	41.6	18.2	0.0	60.3	1	
1N	111	-1002	18	215	0	-69	-1	18.6	19.0	18.2	0.0	44.5	3	
1O	111	-1002	-17	-84	0	-119	32	18.6	54.3	7.1	0.0	72.9	1	
1P	111	-1002	18	-84	0	-119	-1	18.6	31.6	7.1	0.0	50.2	1	
2	111	-17940	-12	259	0	-479	18	333.5	136.5	22.0	0.0	470.0	1	
7	111	-14180	-9	191	0	-374	18	263.6	110.1	16.2	0.0	373.7	1	
8	111	-13960	-8	204	0	-373	18	259.5	109.5	17.3	0.0	368.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4872	48	51	23	23	14	1.03	1.00	143.8	
1B	-4872	48	21	23	23	14	1.03	1.00	121.4	
1C	-4872	146	51	23	23	14	1.03	1.00	169.1	
1D	-4872	146	21	23	23	14	1.03	1.00	146.7	
1E	-2088	48	51	23	23	14	1.03	1.00	90.4	
1F	-2088	48	21	23	23	14	1.03	1.00	68.1	
1G	-2088	146	51	23	23	14	1.03	1.00	115.7	
1H	-2088	146	21	23	23	14	1.03	1.00	93.3	
1I	-5912	69	35	23	23	14	1.03	1.00	157.4	
1J	-5912	69	6	23	23	14	1.03	1.00	135.1	
1K	-5912	169	35	23	23	14	1.03	1.00	183.3	
1L	-5912	169	6	23	23	14	1.03	1.00	161.0	
1M	-1048	69	35	23	23	14	1.03	1.00	64.2	
1N	-1048	69	6	23	23	14	1.03	1.00	41.9	
1O	-1048	169	35	23	23	14	1.03	1.00	90.1	
1P	-1048	169	6	23	23	14	1.03	1.00	67.8	
2	-18000	365	25	23	23	14	1.03	1.00	457.8	
7	-14250	290	25	23	23	14	1.03	1.00	366.1	
8	-14020	282	23	23	23	14	1.03	1.00	358.8	

ASTA NUM. 332 NI 466 NF 467 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4636	-77	70	0	-31	63	86.2	54.8	5.9	0.0	141.0	1	
1B	0	-4636	55	70	0	-31	-18	86.2	21.6	5.9	0.0	107.8	1	
1C	0	-4636	-77	-24	0	-123	63	86.2	78.4	2.9	0.0	164.6	1	
1D	0	-4636	55	-24	0	-123	-18	86.2	45.2	2.1	0.0	131.4	1	
1E	0	-2364	-77	70	0	-31	63	43.9	54.8	5.9	0.0	98.8	1	
1F	0	-2364	55	70	0	-31	-18	43.9	21.6	5.9	0.0	65.6	1	
1G	0	-2364	-77	-24	0	-123	63	43.9	78.4	2.9	0.0	122.4	1	
1H	0	-2364	55	-24	0	-123	-18	43.9	45.2	2.1	0.0	89.2	1	
1I	0	-5622	-83	150	0	6	43	104.5	33.9	12.7	0.0	138.4	1	
1J	0	-5622	60	150	0	6	1	104.5	2.6	12.7	0.0	107.9	3	
1K	0	-5622	-83	-105	0	-160	43	104.5	73.5	8.9	0.0	178.0	1	
1L	0	-5622	60	-105	0	-160	1	104.5	42.2	8.9	0.0	146.7	1	
1M	0	-1378	-83	150	0	6	43	25.6	33.9	12.7	0.0	59.5	1	
1N	0	-1378	60	150	0	6	1	25.6	2.6	12.7	0.0	33.8	4	
1O	0	-1378	-83	-105	0	-160	43	25.6	73.5	8.9	0.0	99.1	1	
1P	0	-1378	60	-105	0	-160	1	25.6	42.2	8.9	0.0	67.8	1	
2	0	-18230	-68	27	0	-408	32	338.8	128.9	2.5	0.0	467.8	1	
7	0	-14380	-59	13	0	-326	32	267.3	108.0	2.2	0.0	375.3	1	
8	0	-14180	-51	25	0	-317	31	263.6	104.8	2.1	0.0	368.3	1	
1A	55	-4613	-77	70	0	-87	89	85.7	88.9	5.9	0.0	174.6	1	
1B	55	-4613	55	70	0	-87	-57	85.7	65.0	5.9	0.0	150.7	1	
1C	55	-4613	-77	-24	0	-92	89	85.7	90.4	2.9	0.0	176.1	1	
1D	55	-4613	55	-24	0	-92	-57	85.7	66.5	2.1	0.0	152.3	1	
1E	55	-2341	-77	70	0	-87	89	43.5	88.9	5.9	0.0	132.4	1	
1F	55	-2341	55	70	0	-87	-57	43.5	65.0	5.9	0.0	108.5	1	
1G	55	-2341	-77	-24	0	-92	89	43.5	90.4	2.9	0.0	133.9	1	
1H	55	-2341	55	-24	0	-92	-57	43.5	66.5	2.1	0.0	110.0	1	
1I	55	-5599	-83	150	0	-82	71	104.1	74.3	12.7	0.0	178.4	1	
1J	55	-5599	60	150	0	-82	-39	104.1	50.5	12.7	0.0	154.5	1	
1K	55	-5599	-83	-105	0	-97	71	104.1	78.2	8.9	0.0	182.2	1	
1L	55	-5599	60	-105	0	-97	-39	104.1	54.3	8.9	0.0	158.4	1	
1M	55	-1355	-83	150	0	-82	71	25.2	74.3	12.7	0.0	99.5	1	
1N	55	-1355	60	150	0	-82	-39	25.2	50.5	12.7	0.0	75.6	1	
1O	55	-1355	-83	-105	0	-97	71	25.2	78.2	8.9	0.0	103.3	1	
1P	55	-1355	60	-105	0	-97	-39	25.2	54.3	8.9	0.0	79.5	1	
2	55	-18200	-68	27	0	-422	-5	338.3	112.6	2.5	0.0	450.9	1	
7	55	-14350	-59	13	0	-334	-1	266.7	86.4	2.2	0.0	353.1	1	
8	55	-14145	-51	25	0	-331	3	262.9	87.2	2.1	0.0	350.1	1	
1A	111	-4590	-77	70	0	-142	115	85.3	122.9	5.9	0.0	208.2	1	
1B	111	-4590	55	70	0	-142	-96	85.3	108.4	5.9	0.0	193.7	1	
1C	111	-4590	-77	-24	0	-62	115	85.3	102.3	2.9	0.0	187.6	1	
1D	111	-4590	55	-24	0	-62	-96	85.3	87.8	2.1	0.0	173.1	1	
1E	111	-2318	-77	70	0	-142	115	43.1	122.9	5.9	0.0	166.0	1	
1F	111	-2318	55	70	0	-142	-96	43.1	108.4	5.9	0.0	151.5	1	
1G	111	-2318	-77	-24	0	-62	115	43.1	102.3	2.9	0.0	145.4	1	
1H	111	-2318	55	-24	0	-62	-96	43.1	87.8	2.1	0.0	130.9	1	
1I	111	-5576	-83	150	0	-171	99	103.7	118.1	12.7	0.0	221.7	1	
1J	111	-5576	60	150	0	-171	-80	103.7	103.5	12.7	0.0	207.2	1	
1K	111	-5576	-83	-105	0	-34	99	103.7	82.8	8.9	0.0	186.5	1	
1L	111	-5576	60	-105	0	-34	-80	103.7	68.3	8.9	0.0	171.9	1	
1M	111	-1332	-83	150	0	-171	99	24.7	118.1	12.7	0.0	142.8	1	
1N	111	-1332	60	150	0	-171	-80	24.7	103.5	12.7	0.0	128.3	1	
1O	111	-1332	-83	-105	0	-34	99	24.7	82.8	8.9	0.0	107.6	1	
1P	111	-1332	60	-105	0	-34	-80	24.7	68.3	8.9	0.0	93.0	1	
2	111	-18170	-68	27	0	-437	-43	337.7	144.5	2.5	0.0	482.2	1	
7	111	-14320	-59	13	0	-341	-33	266.2	112.8	2.2	0.0	378.9	1	
8	111	-14110	-51	25	0	-345	-26	262.3	107.9	2.1	0.0	370.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg	kg*m							kg/cmq	
1A	-4636	98	94	23	23	14	1.03	1.00	184.6	
1B	-4636	98	65	23	23	14	1.03	1.00	162.6	
1C	-4636	99	94	23	23	14	1.03	1.00	184.8	
1D	-4636	99	65	23	23	14	1.03	1.00	162.8	
1E	-2364	98	94	23	23	14	1.03	1.00	141.0	
1F	-2364	98	65	23	23	14	1.03	1.00	119.0	
1G	-2364	99	94	23	23	14	1.03	1.00	141.2	
1H	-2364	99	65	23	23	14	1.03	1.00	119.2	
1I	-5622	100	77	23	23	14	1.03	1.00	190.9	
1J	-5622	100	47	23	23	14	1.03	1.00	168.8	
1K	-5622	110	77	23	23	14	1.03	1.00	193.4	
1L	-5622	110	47	23	23	14	1.03	1.00	171.4	
1M	-1378	100	77	23	23	14	1.03	1.00	109.5	
1N	-1378	100	47	23	23	14	1.03	1.00	87.5	
1O	-1378	110	77	23	23	14	1.03	1.00	112.0	
1P	-1378	110	47	23	23	14	1.03	1.00	90.0	
2	-18230	425	17	23	23	14	1.03	1.00	471.7	
7	-14380	335	13	23	23	14	1.03	1.00	371.8	
8	-14180	334	12	23	23	14	1.03	1.00	366.9	

ASTA NUM. 333 NI 467 NF 468 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
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	cm	kg			kg*m			kg/cmq						
1A	0	-5958	-68	314	0	-27	141	110.7	112.5	26.6	0.0	223.3	1	
1B	0	-5958	34	314	0	-27	-105	110.7	85.3	26.6	0.0	196.0	1	
1C	0	-5958	-68	-134	0	-146	141	110.7	143.1	11.3	0.0	253.8	1	
1D	0	-5958	34	-134	0	-146	-105	110.7	115.8	11.3	0.0	226.6	1	
1E	0	-2248	-68	314	0	-27	141	41.8	112.5	26.6	0.0	154.3	1	
1F	0	-2248	34	314	0	-27	-105	41.8	85.3	26.6	0.0	127.1	1	
1G	0	-2248	-68	-134	0	-146	141	41.8	143.1	11.3	0.0	184.9	1	
1H	0	-2248	34	-134	0	-146	-105	41.8	115.8	11.3	0.0	157.6	1	
1I	0	-5793	-87	329	0	-62	115	107.7	102.2	27.9	0.0	209.9	1	
1J	0	-5793	54	329	0	-62	-79	107.7	74.9	27.9	0.0	182.6	1	
1K	0	-5793	-87	-149	0	-110	115	107.7	114.7	12.6	0.0	222.4	1	
1L	0	-5793	54	-149	0	-110	-79	107.7	87.5	12.6	0.0	195.1	1	
1M	0	-2413	-87	329	0	-62	115	44.8	102.2	27.9	0.0	147.0	1	
1N	0	-2413	54	329	0	-62	-79	44.8	74.9	27.9	0.0	119.8	1	
1O	0	-2413	-87	-149	0	-110	115	44.8	114.7	12.6	0.0	159.6	1	
1P	0	-2413	54	-149	0	-110	-79	44.8	87.5	12.6	0.0	132.3	1	
2	0	-20530	-81	527	0	-373	-30	381.6	118.3	44.7	0.0	499.9	1	
7	0	-15820	-71	375	0	-298	-21	294.1	92.0	31.8	0.0	386.1	1	
8	0	-15940	-62	400	0	-296	-13	296.3	86.0	34.0	0.0	382.3	1	
1A	55	-5934	-68	314	0	-202	151	110.3	164.9	26.6	0.0	275.2	1	
1B	55	-5934	34	314	0	-202	-133	110.3	151.4	26.6	0.0	261.7	1	
1C	55	-5934	-68	-134	0	-70	151	110.3	130.9	11.3	0.0	241.2	1	
1D	55	-5934	34	-134	0	-70	-133	110.3	117.4	11.3	0.0	227.7	1	
1E	55	-2225	-68	314	0	-202	151	41.4	164.9	26.6	0.0	206.2	1	
1F	55	-2225	34	314	0	-202	-133	41.4	151.4	26.6	0.0	192.7	1	
1G	55	-2225	-68	-134	0	-70	151	41.4	130.9	11.3	0.0	172.2	1	
1H	55	-2225	34	-134	0	-70	-133	41.4	117.4	11.3	0.0	158.8	1	
1I	55	-5770	-87	329	0	-248	142	107.2	169.9	27.9	0.0	277.2	1	
1J	55	-5770	54	329	0	-248	-124	107.2	156.4	27.9	0.0	263.7	1	
1K	55	-5770	-87	-149	0	-24	142	107.2	112.3	12.6	0.0	219.6	1	
1L	55	-5770	54	-149	0	-24	-124	107.2	98.9	12.6	0.0	206.1	1	
1M	55	-2389	-87	329	0	-248	142	44.4	169.9	27.9	0.0	214.3	1	
1N	55	-2389	54	329	0	-248	-124	44.4	156.4	27.9	0.0	200.8	1	
1O	55	-2389	-87	-149	0	-24	142	44.4	112.3	12.6	0.0	156.8	1	
1P	55	-2389	54	-149	0	-24	-124	44.4	98.9	12.6	0.0	143.3	1	
2	55	-20500	-81	527	0	-665	-74	381.0	226.8	44.7	0.0	607.9	1	
7	55	-15790	-71	375	0	-506	-60	293.5	175.0	31.8	0.0	468.5	1	
8	55	-15910	-62	400	0	-517	-48	295.7	168.8	34.0	0.0	464.5	1	
1A	111	-5911	-68	314	0	-377	160	109.9	217.2	26.6	0.0	327.1	1	
1B	111	-5911	34	314	0	-377	-161	109.9	217.5	26.6	0.0	327.4	1	
1C	111	-5911	-68	-134	0	6	160	109.9	121.5	11.3	0.0	231.4	1	
1D	111	-5911	34	-134	0	6	-161	109.9	121.8	11.3	0.0	231.7	1	
1E	111	-2201	-68	314	0	-377	160	40.9	217.2	26.6	0.0	258.1	1	
1F	111	-2201	34	314	0	-377	-161	40.9	217.5	26.6	0.0	258.4	1	
1G	111	-2201	-68	-134	0	6	160	40.9	121.5	11.3	0.0	162.4	1	
1H	111	-2201	34	-134	0	6	-161	40.9	121.8	11.3	0.0	162.8	1	
1I	111	-5746	-87	329	0	-434	168	106.8	237.6	27.9	0.0	344.4	1	
1J	111	-5746	54	329	0	-434	-169	106.8	237.9	27.9	0.0	344.8	1	
1K	111	-5746	-87	-149	0	62	168	106.8	142.0	12.6	0.0	248.8	1	
1L	111	-5746	54	-149	0	62	-169	106.8	142.3	12.6	0.0	249.1	1	
1M	111	-2366	-87	329	0	-434	168	44.0	237.6	27.9	0.0	281.6	1	
1N	111	-2366	54	329	0	-434	-169	44.0	237.9	27.9	0.0	281.9	1	
1O	111	-2366	-87	-149	0	62	168	44.0	142.0	12.6	0.0	185.9	1	
1P	111	-2366	54	-149	0	62	-169	44.0	142.3	12.6	0.0	186.3	1	
2	111	-20470	-81	527	0	-957	-119	380.5	335.4	44.7	0.0	715.9	1	
7	111	-15760	-71	375	0	-713	-99	292.9	258.0	31.8	0.0	550.9	1	
8	111	-15880	-62	400	0	-739	-82	295.2	251.6	34.0	0.0	546.8	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5958	237	153	23	23	14	1.03	1.00	289.8	
1B	-5958	237	138	23	23	14	1.03	1.00	279.0	
1C	-5958	85	153	23	23	14	1.03	1.00	250.6	
1D	-5958	85	138	23	23	14	1.03	1.00	239.9	
1E	-2248	237	153	23	23	14	1.03	1.00	218.5	
1F	-2248	237	138	23	23	14	1.03	1.00	207.8	
1G	-2248	85	153	23	23	14	1.03	1.00	179.4	
1H	-2248	85	138	23	23	14	1.03	1.00	168.7	
1I	-5793	285	147	23	23	14	1.03	1.00	294.7	
1J	-5793	285	133	23	23	14	1.03	1.00	284.0	
1K	-5793	44	147	23	23	14	1.03	1.00	232.7	
1L	-5793	44	133	23	23	14	1.03	1.00	222.0	
1M	-2413	285	147	23	23	14	1.03	1.00	229.8	
1N	-2413	285	133	23	23	14	1.03	1.00	219.1	
1O	-2413	44	147	23	23	14	1.03	1.00	167.8	
1P	-2413	44	133	23	23	14	1.03	1.00	157.1	
2	-20530	723	83	23	23	14	1.03	1.00	642.9	
7	-15820	547	68	23	23	14	1.03	1.00	495.2	
8	-15940	561	55	23	23	14	1.03	1.00	491.3	

ASTA NUM. 334 NI 421 NF 422 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18411	-11	366	0	378	15	342.2	108.8	31.0	0.0	451.0	1	
1B	0	-18411	17	366	0	378	-12	342.2	106.0	31.0	0.0	448.2	1	
1C	0	-18411	-11	-7	0	-155	15	342.2	51.4	0.6	0.0	393.6	1	
1D	0	-18411	17	-7	0	-155	-12	342.2	48.5	0.6	0.0	390.8	1	
1E	0	6989	-11	366	0	378	15	129.9	108.8	31.0	0.0	238.7	1	
1F	0	6989	17	366	0	378	-12	129.9	106.0	31.0	0.0	235.9	1	
1G	0	6989	-11	-7	0	-155	15	129.9	51.4	0.6	0.0	181.3	1	
1H	0	6989	17	-7	0	-155	-12	129.9	48.5	0.6	0.0	178.5	1	
1I	0	-26147	-5	399	0	719	11	486.0	193.3	33.8	0.0	679.3	1	
1J	0	-26147	10	399	0	719	-7	486.0	190.5	33.8	0.0	676.5	1	
1K	0	-26147	-5	-39	0	-495	11	486.0	135.9	3.3	0.0	621.9	1	
1L	0	-26147	10	-39	0	-495	-7	486.0	133.0	3.3	0.0	619.0	1	
1M	0	14725	-5	399	0	719	11	273.7	193.3	33.8	0.0	467.0	1	
1N	0	14725	10	399	0	719	-7	273.7	190.5	33.8	0.0	464.2	1	
1O	0	14725	-5	-39	0	-495	11	273.7	135.9	3.3	0.0	409.6	1	
1P	0	14725	10	-39	0	-495	-7	273.7	133.0	3.3	0.0	406.7	1	
2	0	-16090	8	230	0	-36	4	299.1	12.1	19.5	0.0	311.1	1	
7	0	-15390	7	212	0	-43	3	286.1	13.2	18.0	0.0	299.2	1	
8	0	-13630	7	230	0	14	3	253.3	6.0	19.5	0.0	259.4	1	
1A	55	-18388	-11	366	0	238	23	341.8	78.8	31.0	0.0	420.5	1	
1B	55	-18388	17	366	0	238	-16	341.8	73.5	31.0	0.0	415.2	1	
1C	55	-18388	-11	-7	0	-214	23	341.8	72.5	0.6	0.0	414.3	1	
1D	55	-18388	17	-7	0	-214	-16	341.8	67.2	0.6	0.0	409.0	1	
1E	55	7012	-11	366	0	238	23	130.3	78.8	31.0	0.0	209.1	1	
1F	55	7012	17	366	0	238	-16	130.3	73.5	31.0	0.0	203.8	1	
1G	55	7012	-11	-7	0	-214	23	130.3	72.5	0.6	0.0	202.8	1	
1H	55	7012	17	-7	0	-214	-16	130.3	67.2	0.6	0.0	197.5	1	
1I	55	-26123	-5	399	0	519	15	485.6	144.9	33.8	0.0	630.5	1	
1J	55	-26123	10	399	0	519	-8	485.6	139.6	33.8	0.0	625.2	1	
1K	55	-26123	-5	-39	0	-494	15	485.6	138.7	3.3	0.0	624.2	1	
1L	55	-26123	10	-39	0	-494	-8	485.6	133.3	3.3	0.0	618.9	1	
1M	55	14748	-5	399	0	519	15	274.1	144.9	33.8	0.0	419.1	1	
1N	55	14748	10	399	0	519	-8	274.1	139.6	33.8	0.0	413.8	1	
1O	55	14748	-5	-39	0	-494	15	274.1	138.7	3.3	0.0	412.8	1	
1P	55	14748	10	-39	0	-494	-8	274.1	133.3	3.3	0.0	407.5	1	
2	55	-16055	8	230	0	-163	8	298.4	48.1	19.5	0.0	346.5	1	
7	55	-15360	7	212	0	-160	7	285.5	46.3	18.0	0.0	331.8	1	
8	55	-13600	7	230	0	-113	7	252.8	34.4	19.5	0.0	287.2	1	
1A	111	-18364	-11	366	0	99	31	341.3	48.7	31.0	0.0	390.1	1	
1B	111	-18364	17	366	0	99	-21	341.3	40.9	31.0	0.0	382.3	1	
1C	111	-18364	-11	-7	0	-273	31	341.3	93.6	0.6	0.0	434.9	1	
1D	111	-18364	17	-7	0	-273	-21	341.3	85.8	0.6	0.0	427.2	1	
1E	111	7036	-11	366	0	99	31	130.8	48.7	31.0	0.0	179.5	1	
1F	111	7036	17	366	0	99	-21	130.8	40.9	31.0	0.0	171.7	1	
1G	111	7036	-11	-7	0	-273	31	130.8	93.6	0.6	0.0	224.4	1	
1H	111	7036	17	-7	0	-273	-21	130.8	85.8	0.6	0.0	216.6	1	
1I	111	-26100	-5	399	0	319	19	485.1	96.6	33.8	0.0	581.7	1	
1J	111	-26100	10	399	0	319	-9	485.1	88.8	33.8	0.0	573.9	1	
1K	111	-26100	-5	-39	0	-493	19	485.1	141.4	3.3	0.0	626.6	1	
1L	111	-26100	10	-39	0	-493	-9	485.1	133.7	3.3	0.0	618.8	1	
1M	111	14772	-5	399	0	319	19	274.6	96.6	33.8	0.0	371.1	1	
1N	111	14772	10	399	0	319	-9	274.6	88.8	33.8	0.0	363.4	1	
1O	111	14772	-5	-39	0	-493	19	274.6	141.4	3.3	0.0	416.0	1	
1P	111	14772	10	-39	0	-493	-9	274.6	133.7	3.3	0.0	408.2	1	
2	111	-16020	8	230	0	-290	13	297.8	84.1	19.5	0.0	381.9	1	
7	111	-15330	7	212	0	-278	11	284.9	79.4	18.0	0.0	364.3	1	
8	111	-13570	7	230	0	-240	11	252.2	69.8	19.5	0.0	322.1	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18411	266	25	23	23	14	1.03	1.00	440.0	
1B	-18411	266	17	23	23	14	1.03	1.00	434.1	
1C	-18411	226	25	23	23	14	1.03	1.00	429.5	
1D	-18411	226	17	23	23	14	1.03	1.00	423.7	
1E	7036	266	25	23	23	14	1.00	1.00	217.9	
1F	7036	266	17	23	23	14	1.00	1.00	212.1	
1G	7036	226	25	23	23	14	1.00	1.00	207.5	
1H	7036	226	17	23	23	14	1.00	1.00	201.7	
1I	-26147	559	16	23	23	14	1.03	1.00	657.2	
1J	-26147	559	8	23	23	14	1.03	1.00	651.3	
1K	-26147	495	16	23	23	14	1.03	1.00	640.6	
1L	-26147	495	8	23	23	14	1.03	1.00	634.8	
1M	14772	559	16	23	23	14	1.00	1.00	430.4	
1N	14772	559	8	23	23	14	1.00	1.00	424.6	
1O	14772	495	16	23	23	14	1.00	1.00	413.9	
1P	14772	495	8	23	23	14	1.00	1.00	408.1	
2	-16090	188	9	23	23	14	1.03	1.00	363.5	
7	-15390	184	7	23	23	14	1.03	1.00	347.7	
8	-13630	139	8	23	23	14	1.03	1.00	302.6	

ASTA NUM. 335 NI 422 NF 423 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-18091	-14	214	0	210	23	336.3	71.1	18.1	0.0	407.4	1	
1B	0	-18091	23	214	0	210	-18	336.3	67.7	18.1	0.0	403.9	1	
1C	0	-18091	-14	-414	0	-341	23	336.3	104.9	35.1	0.0	441.2	1	
1D	0	-18091	23	-414	0	-341	-18	336.3	101.4	35.1	0.0	437.7	1	
1E	0	6593	-14	214	0	210	23	122.5	71.1	18.1	0.0	193.7	1	
1F	0	6593	23	214	0	210	-18	122.5	67.7	18.1	0.0	190.2	1	
1G	0	6593	-14	-414	0	-341	23	122.5	104.9	35.1	0.0	227.4	1	
1H	0	6593	23	-414	0	-341	-18	122.5	101.4	35.1	0.0	224.0	1	
1I	0	-25513	-6	214	0	509	14	474.2	141.5	18.1	0.0	615.7	1	
1J	0	-25513	15	214	0	509	-9	474.2	138.0	18.1	0.0	612.2	1	
1K	0	-25513	-6	-414	0	-641	14	474.2	175.2	35.1	0.0	649.5	1	
1L	0	-25513	15	-414	0	-641	-9	474.2	171.8	35.1	0.0	646.0	1	
1M	0	14015	-6	214	0	509	14	260.5	141.5	18.1	0.0	402.0	1	
1N	0	14015	15	214	0	509	-9	260.5	138.0	18.1	0.0	398.5	1	
1O	0	14015	-6	-414	0	-641	14	260.5	175.2	35.1	0.0	435.7	1	
1P	0	14015	15	-414	0	-641	-9	260.5	171.8	35.1	0.0	432.3	1	
2	0	-15950	9	-244	0	-310	8	296.5	85.6	20.7	0.0	382.1	1	
7	0	-15240	9	-235	0	-299	6	283.3	81.5	19.9	0.0	364.8	1	
8	0	-13540	8	-211	0	-247	6	251.7	68.3	17.9	0.0	319.9	1	
1A	55	-18068	-14	214	0	6	31	335.8	24.3	18.1	0.0	360.1	1	
1B	55	-18068	23	214	0	6	-21	335.8	17.3	18.1	0.0	353.1	1	
1C	55	-18068	-14	-414	0	-26	31	335.8	29.5	35.1	0.0	365.4	1	
1D	55	-18068	23	-414	0	-26	-21	335.8	22.5	35.1	0.0	358.3	1	
1E	55	6616	-14	214	0	6	31	123.0	24.3	18.1	0.0	147.3	1	
1F	55	6616	23	214	0	6	-21	123.0	17.3	18.1	0.0	140.3	1	
1G	55	6616	-14	-414	0	-26	31	123.0	29.5	35.1	0.0	152.5	1	
1H	55	6616	23	-414	0	-26	-21	123.0	22.5	35.1	0.0	145.5	1	
1I	55	-25490	-6	214	0	439	19	473.8	127.1	18.1	0.0	600.8	1	
1J	55	-25490	15	214	0	439	-9	473.8	120.0	18.1	0.0	593.8	1	
1K	55	-25490	-6	-414	0	-459	19	473.8	132.3	35.1	0.0	606.0	1	
1L	55	-25490	15	-414	0	-459	-9	473.8	125.2	35.1	0.0	599.0	1	
1M	55	14039	-6	214	0	439	19	260.9	127.1	18.1	0.0	388.0	1	
1N	55	14039	15	214	0	439	-9	260.9	120.0	18.1	0.0	381.0	1	
1O	55	14039	-6	-414	0	-459	19	260.9	132.3	35.1	0.0	393.2	1	
1P	55	14039	15	-414	0	-459	-9	260.9	125.2	35.1	0.0	386.2	1	
2	55	-15920	9	-244	0	-174	13	295.9	54.7	20.7	0.0	350.6	1	
7	55	-15210	9	-235	0	-169	11	282.7	51.7	19.9	0.0	334.4	1	
8	55	-13510	8	-211	0	-130	11	251.1	41.5	17.9	0.0	292.6	1	
1A	111	-18044	-14	214	0	-199	38	335.4	79.8	18.1	0.0	415.2	1	
1B	111	-18044	23	214	0	-199	-24	335.4	69.2	18.1	0.0	404.6	1	
1C	111	-18044	-14	-414	0	289	38	335.4	103.1	35.1	0.0	438.5	1	
1D	111	-18044	23	-414	0	289	-24	335.4	92.5	35.1	0.0	427.9	1	
1E	111	6640	-14	214	0	-199	38	123.4	79.8	18.1	0.0	203.2	1	
1F	111	6640	23	214	0	-199	-24	123.4	69.2	18.1	0.0	192.6	1	
1G	111	6640	-14	-414	0	289	38	123.4	103.1	35.1	0.0	226.5	1	
1H	111	6640	23	-414	0	289	-24	123.4	92.5	35.1	0.0	215.9	1	
1I	111	-25466	-6	214	0	369	24	473.3	112.6	18.1	0.0	586.0	1	
1J	111	-25466	15	214	0	369	-10	473.3	102.0	18.1	0.0	575.4	1	
1K	111	-25466	-6	-414	0	-278	24	473.3	89.3	35.1	0.0	562.6	1	
1L	111	-25466	15	-414	0	-278	-10	473.3	78.7	35.1	0.0	552.1	1	
1M	111	14062	-6	214	0	369	24	261.4	112.6	18.1	0.0	374.0	1	
1N	111	14062	15	214	0	369	-10	261.4	102.0	18.1	0.0	363.4	1	
1O	111	14062	-6	-414	0	-278	24	261.4	89.3	35.1	0.0	350.7	1	
1P	111	14062	15	-414	0	-278	-10	261.4	78.7	35.1	0.0	340.1	1	
2	111	-15890	9	-244	0	-39	18	295.4	23.7	20.7	0.0	319.1	1	
7	111	-15180	9	-235	0	-40	16	282.2	22.0	19.9	0.0	304.1	1	
8	111	-13480	8	-211	0	-13	15	250.6	14.7	17.9	0.0	265.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-18091	84	32	23	23	14	1.03	1.00	392.3	
1B	-18091	84	22	23	23	14	1.03	1.00	384.5	
1C	-18091	137	32	23	23	14	1.03	1.00	405.8	
1D	-18091	137	22	23	23	14	1.03	1.00	398.0	
1E	6640	84	32	23	23	14	1.00	1.00	169.1	
1F	6640	84	22	23	23	14	1.00	1.00	161.3	
1G	6640	137	32	23	23	14	1.00	1.00	182.6	
1H	6640	137	22	23	23	14	1.00	1.00	174.8	
1I	-25513	453	20	23	23	14	1.03	1.00	620.6	
1J	-25513	453	9	23	23	14	1.03	1.00	612.7	
1K	-25513	496	20	23	23	14	1.03	1.00	631.5	
1L	-25513	496	9	23	23	14	1.03	1.00	623.7	
1M	14062	453	20	23	23	14	1.00	1.00	392.8	
1N	14062	453	9	23	23	14	1.00	1.00	385.0	
1O	14062	496	20	23	23	14	1.00	1.00	403.7	
1P	14062	496	9	23	23	14	1.00	1.00	396.0	
2	-15950	201	14	23	23	14	1.03	1.00	368.0	
7	-15240	195	12	23	23	14	1.03	1.00	351.1	
8	-13540	153	12	23	23	14	1.03	1.00	307.6	

ASTA NUM. 336 NI 423 NF 424 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14303	-6	380	0	319	29	265.9	103.6	32.2	0.0	369.5	1	
1B	0	-14303	14	380	0	319	-25	265.9	101.0	32.2	0.0	366.9	1	
1C	0	-14303	-6	-44	0	-184	29	265.9	69.0	3.7	0.0	334.9	1	
1D	0	-14303	14	-44	0	-184	-25	265.9	66.4	3.7	0.0	332.3	1	
1E	0	435	-6	380	0	319	29	8.1	103.6	32.2	0.0	111.7	1	
1F	0	435	14	380	0	319	-25	8.1	101.0	32.2	0.0	109.1	1	
1G	0	435	-6	-44	0	-184	29	8.1	69.0	3.7	0.0	77.1	1	
1H	0	435	14	-44	0	-184	-25	8.1	66.4	3.7	0.0	74.5	1	
1I	0	-17544	-5	451	0	531	18	326.1	150.4	38.3	0.0	476.5	1	
1J	0	-17544	13	451	0	531	-15	326.1	147.8	38.3	0.0	473.9	1	
1K	0	-17544	-5	-115	0	-397	18	326.1	115.9	9.8	0.0	442.0	1	
1L	0	-17544	13	-115	0	-397	-15	326.1	113.3	9.8	0.0	439.4	1	
1M	0	3676	-5	451	0	531	18	68.3	150.4	38.3	0.0	218.8	1	
1N	0	3676	13	451	0	531	-15	68.3	147.8	38.3	0.0	216.2	1	
1O	0	3676	-5	-115	0	-397	18	68.3	115.9	9.8	0.0	184.2	1	
1P	0	3676	13	-115	0	-397	-15	68.3	113.3	9.8	0.0	181.6	1	
2	0	-14910	9	190	0	-57	13	277.1	24.6	16.1	0.0	301.8	1	
7	0	-14090	9	172	0	-59	11	261.9	23.3	14.6	0.0	285.2	1	
8	0	-13220	8	196	0	-18	10	245.7	12.0	16.6	0.0	257.7	1	
1A	55	-14280	-6	380	0	142	28	265.4	57.3	32.2	0.0	322.7	1	
1B	55	-14280	14	380	0	142	-20	265.4	51.5	32.2	0.0	316.9	1	
1C	55	-14280	-6	-44	0	-194	28	265.4	70.6	3.7	0.0	336.0	1	
1D	55	-14280	14	-44	0	-194	-20	265.4	64.8	3.7	0.0	330.2	1	
1E	55	458	-6	380	0	142	28	8.5	57.3	32.2	0.0	65.8	1	
1F	55	458	14	380	0	142	-20	8.5	51.5	32.2	0.0	64.7	3	
1G	55	458	-6	-44	0	-194	28	8.5	70.6	3.7	0.0	79.1	1	
1H	55	458	14	-44	0	-194	-20	8.5	64.8	3.7	0.0	73.3	1	
1I	55	-17520	-5	451	0	294	22	325.7	91.9	38.3	0.0	417.6	1	
1J	55	-17520	13	451	0	294	-14	325.7	86.1	38.3	0.0	411.8	1	
1K	55	-17520	-5	-115	0	-346	22	325.7	105.2	9.8	0.0	430.9	1	
1L	55	-17520	13	-115	0	-346	-14	325.7	99.4	9.8	0.0	425.1	1	
1M	55	3700	-5	451	0	294	22	68.8	91.9	38.3	0.0	160.7	1	
1N	55	3700	13	451	0	294	-14	68.8	86.1	38.3	0.0	154.9	1	
1O	55	3700	-5	-115	0	-346	22	68.8	105.2	9.8	0.0	174.0	1	
1P	55	3700	13	-115	0	-346	-14	68.8	99.4	9.8	0.0	168.2	1	
2	55	-14880	9	190	0	-162	19	276.6	55.5	16.1	0.0	332.1	1	
7	55	-14060	9	172	0	-155	16	261.3	51.5	14.6	0.0	312.9	1	
8	55	-13190	8	196	0	-126	14	245.2	43.3	16.6	0.0	288.4	1	
1A	111	-14256	-6	380	0	-34	26	265.0	28.3	32.2	0.0	293.3	1	
1B	111	-14256	14	380	0	-34	-14	265.0	19.2	32.2	0.0	284.2	1	
1C	111	-14256	-6	-44	0	-204	26	265.0	72.1	3.7	0.0	337.1	1	
1D	111	-14256	14	-44	0	-204	-14	265.0	63.1	3.7	0.0	328.1	1	
1E	111	482	-6	380	0	-34	26	9.0	28.3	32.2	0.0	56.6	4	
1F	111	482	14	380	0	-34	-14	9.0	19.2	32.2	0.0	56.5	4	
1G	111	482	-6	-44	0	-204	26	9.0	72.1	3.7	0.0	81.1	1	
1H	111	482	14	-44	0	-204	-14	9.0	63.1	3.7	0.0	72.0	1	
1I	111	-17497	-5	451	0	57	25	325.2	33.4	38.3	0.0	358.6	1	
1J	111	-17497	13	451	0	57	-13	325.2	24.4	38.3	0.0	349.6	1	
1K	111	-17497	-5	-115	0	-295	25	325.2	94.6	9.8	0.0	419.8	1	
1L	111	-17497	13	-115	0	-295	-13	325.2	85.5	9.8	0.0	410.8	1	
1M	111	3723	-5	451	0	57	25	69.2	33.4	38.3	0.0	102.6	1	
1N	111	3723	13	451	0	57	-13	69.2	24.4	38.3	0.0	101.3	3	
1O	111	3723	-5	-115	0	-295	25	69.2	94.6	9.8	0.0	163.8	1	
1P	111	3723	13	-115	0	-295	-13	69.2	85.5	9.8	0.0	154.7	1	
2	111	-14850	9	190	0	-267	24	276.0	86.4	16.1	0.0	362.5	1	
7	111	-14030	9	172	0	-250	21	260.8	79.8	14.6	0.0	340.6	1	
8	111	-13160	8	196	0	-235	19	244.6	74.5	16.6	0.0	319.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14303	178	28	23	23	14	1.03	1.00	340.6	
1B	-14303	178	21	23	23	14	1.03	1.00	335.4	
1C	-14303	196	28	23	23	14	1.03	1.00	345.4	
1D	-14303	196	21	23	23	14	1.03	1.00	340.2	
1E	482	178	28	23	23	14	1.00	1.00	75.5	
1F	482	178	21	23	23	14	1.00	1.00	70.3	
1G	482	196	28	23	23	14	1.00	1.00	80.3	
1H	482	196	21	23	23	14	1.00	1.00	75.1	
1I	-17544	342	22	23	23	14	1.03	1.00	440.9	
1J	-17544	342	14	23	23	14	1.03	1.00	434.7	
1K	-17544	356	22	23	23	14	1.03	1.00	444.7	
1L	-17544	356	14	23	23	14	1.03	1.00	438.4	
1M	3723	342	22	23	23	14	1.00	1.00	173.9	
1N	3723	342	14	23	23	14	1.00	1.00	167.7	
1O	3723	356	22	23	23	14	1.00	1.00	177.6	
1P	3723	356	14	23	23	14	1.00	1.00	171.4	
2	-14910	183	20	23	23	14	1.03	1.00	347.4	
7	-14090	174	17	23	23	14	1.03	1.00	327.2	
8	-13220	148	15	23	23	14	1.03	1.00	302.8	

ASTA NUM. 337 NI 424 NF 425 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13964	-25	38	0	85	26	259.6	41.2	3.2	0.0	300.8	1	
1B	0	-13964	54	38	0	85	-22	259.6	38.7	3.2	0.0	298.2	1	
1C	0	-13964	-25	-276	0	-277	26	259.6	90.5	23.4	0.0	350.1	1	
1D	0	-13964	54	-276	0	-277	-22	259.6	88.0	23.4	0.0	347.5	1	
1E	0	8	-25	38	0	85	26	0.1	41.2	3.2	0.0	41.4	1	
1F	0	8	54	38	0	85	-22	0.1	38.7	3.2	0.0	38.8	1	
1G	0	8	-25	-276	0	-277	26	0.1	90.5	23.4	0.0	90.7	1	
1H	0	8	54	-276	0	-277	-22	0.1	88.0	23.4	0.0	88.1	1	
1I	0	-16936	-13	140	0	244	25	314.8	81.9	11.8	0.0	396.7	1	
1J	0	-16936	42	140	0	244	-22	314.8	79.3	11.8	0.0	394.1	1	
1K	0	-16936	-13	-378	0	-436	25	314.8	131.2	32.1	0.0	446.0	1	
1L	0	-16936	42	-378	0	-436	-22	314.8	128.6	32.1	0.0	443.4	1	
1M	0	2980	-13	140	0	244	25	55.4	81.9	11.8	0.0	137.3	1	
1N	0	2980	42	140	0	244	-22	55.4	79.3	11.8	0.0	134.7	1	
1O	0	2980	-13	-378	0	-436	25	55.4	131.2	32.1	0.0	186.6	1	
1P	0	2980	42	-378	0	-436	-22	55.4	128.6	32.1	0.0	184.0	1	
2	0	-14790	8	-271	0	-283	21	274.9	88.5	22.9	0.0	363.4	1	
7	0	-13950	11	-262	0	-268	17	259.3	82.0	22.2	0.0	341.3	1	
8	0	-13150	11	-238	0	-238	15	244.4	72.7	20.1	0.0	317.1	1	
1A	55	-13940	-25	38	0	76	2	259.1	21.2	3.2	0.0	280.3	1	
1B	55	-13940	54	38	0	76	17	259.1	32.0	3.2	0.0	291.2	1	
1C	55	-13940	-25	-276	0	-135	2	259.1	36.6	23.4	0.0	295.7	1	
1D	55	-13940	54	-276	0	-135	17	259.1	47.4	23.4	0.0	306.5	1	
1E	55	32	-25	38	0	76	2	0.6	21.2	3.2	0.0	21.8	1	
1F	55	32	54	38	0	76	17	0.6	32.0	3.2	0.0	32.6	1	
1G	55	32	-25	-276	0	-135	2	0.6	36.6	23.4	0.0	48.0	3	
1H	55	32	54	-276	0	-135	17	0.6	47.4	23.4	0.0	48.3	3	
1I	55	-16913	-13	140	0	172	10	314.4	52.1	11.8	0.0	366.5	1	
1J	55	-16913	42	140	0	172	9	314.4	50.8	11.8	0.0	365.2	1	
1K	55	-16913	-13	-378	0	-232	10	314.4	67.5	32.1	0.0	381.8	1	
1L	55	-16913	42	-378	0	-232	9	314.4	66.2	32.1	0.0	380.6	1	
1M	55	3004	-13	140	0	172	10	55.8	52.1	11.8	0.0	107.9	1	
1N	55	3004	42	140	0	172	9	55.8	50.8	11.8	0.0	106.7	1	
1O	55	3004	-13	-378	0	-232	10	55.8	67.5	32.1	0.0	123.3	1	
1P	55	3004	42	-378	0	-232	9	55.8	66.2	32.1	0.0	122.0	1	
2	55	-14760	8	-271	0	-133	26	274.3	53.3	22.9	0.0	327.7	1	
7	55	-13920	11	-262	0	-124	23	258.7	49.3	22.2	0.0	308.0	1	
8	55	-13120	11	-238	0	-107	21	243.9	43.5	20.1	0.0	287.3	1	
1A	111	-13917	-25	38	0	66	-21	258.7	32.7	3.2	0.0	291.4	1	
1B	111	-13917	54	38	0	66	56	258.7	58.8	3.2	0.0	317.5	1	
1C	111	-13917	-25	-276	0	6	-21	258.7	17.4	23.4	0.0	276.0	1	
1D	111	-13917	54	-276	0	6	56	258.7	43.5	23.4	0.0	302.1	1	
1E	111	55	-25	38	0	66	-21	1.0	32.7	3.2	0.0	33.8	1	
1F	111	55	54	38	0	66	56	1.0	58.8	3.2	0.0	59.9	1	
1G	111	55	-25	-276	0	6	-21	1.0	17.4	23.4	0.0	40.6	4	
1H	111	55	54	-276	0	6	56	1.0	43.5	23.4	0.0	44.5	1	
1I	111	-16889	-13	140	0	100	-5	313.9	29.1	11.8	0.0	343.1	1	
1J	111	-16889	42	140	0	100	39	313.9	55.2	11.8	0.0	369.2	1	
1K	111	-16889	-13	-378	0	-28	-5	313.9	10.5	32.1	0.0	324.5	1	
1L	111	-16889	42	-378	0	-28	39	313.9	36.7	32.1	0.0	350.6	1	
1M	111	3027	-13	140	0	100	-5	56.3	29.1	11.8	0.0	85.4	1	
1N	111	3027	42	140	0	100	39	56.3	55.2	11.8	0.0	111.5	1	
1O	111	3027	-13	-378	0	-28	-5	56.3	10.5	32.1	0.0	79.7	3	
1P	111	3027	42	-378	0	-28	39	56.3	36.7	32.1	0.0	92.9	1	
2	111	-14730	8	-271	0	17	30	273.8	26.7	22.9	0.0	300.5	1	
7	111	-13890	11	-262	0	21	29	258.2	27.5	22.2	0.0	285.7	1	
8	111	-13090	11	-238	0	25	28	243.3	27.0	20.1	0.0	270.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	kg	kg*m							kg/cmq
1A	-13964	78	10	23	23	14	1.03	1.00	295.1
1B	-13964	78	25	23	23	14	1.03	1.00	305.9
1C	-13964	164	10	23	23	14	1.03	1.00	317.3
1D	-13964	164	25	23	23	14	1.03	1.00	328.1
1E	55	78	10	23	23	14	1.00	1.00	28.7
1F	55	78	25	23	23	14	1.00	1.00	39.4
1G	55	164	10	23	23	14	1.00	1.00	50.8
1H	55	164	25	23	23	14	1.00	1.00	61.6
1I	-16936	187	13	23	23	14	1.03	1.00	382.5
1J	-16936	187	16	23	23	14	1.03	1.00	384.3
1K	-16936	273	13	23	23	14	1.03	1.00	404.7
1L	-16936	273	16	23	23	14	1.03	1.00	406.5
1M	3027	187	13	23	23	14	1.00	1.00	114.3
1N	3027	187	16	23	23	14	1.00	1.00	116.1
1O	3027	273	13	23	23	14	1.00	1.00	136.5
1P	3027	273	16	23	23	14	1.00	1.00	138.2
2	-14790	163	26	23	23	14	1.03	1.00	345.1
7	-13950	153	25	23	23	14	1.03	1.00	324.9
8	-13150	133	23	23	23	14	1.03	1.00	303.1

ASTA NUM. 338 NI 425 NF 426 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-10719	-9	306	0	154	53	199.2	79.7	25.9	0.0	279.0	1	
1B	0	-10719	47	306	0	154	-23	199.2	56.6	25.9	0.0	255.9	1	
1C	0	-10719	-9	78	0	-39	53	199.2	49.9	6.6	0.0	249.2	1	
1D	0	-10719	47	78	0	-39	-23	199.2	26.8	6.6	0.0	226.1	1	
1E	0	-5591	-9	306	0	154	53	103.9	79.7	25.9	0.0	183.6	1	
1F	0	-5591	47	306	0	154	-23	103.9	56.6	25.9	0.0	160.5	1	
1G	0	-5591	-9	78	0	-39	53	103.9	49.9	6.6	0.0	153.8	1	
1H	0	-5591	47	78	0	-39	-23	103.9	26.8	6.6	0.0	130.8	1	
1I	0	-10636	-6	476	0	276	38	197.7	99.7	40.3	0.0	297.4	1	
1J	0	-10636	44	476	0	276	-7	197.7	76.6	40.3	0.0	274.3	1	
1K	0	-10636	-6	-92	0	-160	38	197.7	69.9	7.8	0.0	267.6	1	
1L	0	-10636	44	-92	0	-160	-7	197.7	46.8	7.8	0.0	244.5	1	
1M	0	-5674	-6	476	0	276	38	105.5	99.7	40.3	0.0	205.2	1	
1N	0	-5674	44	476	0	276	-7	105.5	76.6	40.3	0.0	182.1	1	
1O	0	-5674	-6	-92	0	-160	38	105.5	69.9	7.8	0.0	175.4	1	
1P	0	-5674	44	-92	0	-160	-7	105.5	46.8	7.8	0.0	152.3	1	
2	0	-13770	14	202	0	-1	33	255.9	24.8	17.2	0.0	280.7	1	
7	0	-12810	17	188	0	1	31	238.1	23.4	15.9	0.0	261.5	1	
8	0	-12840	17	215	0	20	29	238.7	26.5	18.2	0.0	265.1	1	
1A	55	-10696	-9	306	0	-20	70	198.8	57.7	25.9	0.0	256.5	1	
1B	55	-10696	47	306	0	-20	-18	198.8	18.9	25.9	0.0	217.7	1	
1C	55	-10696	-9	78	0	-77	70	198.8	72.3	6.6	0.0	271.1	1	
1D	55	-10696	47	78	0	-77	-18	198.8	33.4	6.6	0.0	232.2	1	
1E	55	-5567	-9	306	0	-20	70	103.5	57.7	25.9	0.0	161.2	1	
1F	55	-5567	47	306	0	-20	-18	103.5	18.9	25.9	0.0	122.4	1	
1G	55	-5567	-9	78	0	-77	70	103.5	72.3	6.6	0.0	175.7	1	
1H	55	-5567	47	78	0	-77	-18	103.5	33.4	6.6	0.0	136.9	1	
1I	55	-10612	-6	476	0	10	56	197.3	44.1	40.3	0.0	241.4	1	
1J	55	-10612	44	476	0	10	-4	197.3	5.3	40.3	0.0	209.4	4	
1K	55	-10612	-6	-92	0	-106	56	197.3	69.0	7.8	0.0	266.2	1	
1L	55	-10612	44	-92	0	-106	-4	197.3	30.1	7.8	0.0	227.4	1	
1M	55	-5650	-6	476	0	10	56	105.0	44.1	40.3	0.0	149.1	1	
1N	55	-5650	44	476	0	10	-4	105.0	5.3	40.3	0.0	126.2	4	
1O	55	-5650	-6	-92	0	-106	56	105.0	69.0	7.8	0.0	174.0	1	
1P	55	-5650	44	-92	0	-106	-4	105.0	30.1	7.8	0.0	135.2	1	
2	55	-13740	14	202	0	-113	41	255.4	59.5	17.2	0.0	314.9	1	
7	55	-12780	17	188	0	-103	40	237.5	56.7	15.9	0.0	294.2	1	
8	55	-12810	17	215	0	-99	38	238.1	54.0	18.2	0.0	292.1	1	
1A	111	-10672	-9	306	0	-195	87	198.4	115.2	25.9	0.0	313.6	1	
1B	111	-10672	47	306	0	-195	-14	198.4	60.6	25.9	0.0	259.0	1	
1C	111	-10672	-9	78	0	-114	87	198.4	94.6	6.6	0.0	293.0	1	
1D	111	-10672	47	78	0	-114	-14	198.4	40.0	6.6	0.0	238.4	1	
1E	111	-5544	-9	306	0	-195	87	103.0	115.2	25.9	0.0	218.2	1	
1F	111	-5544	47	306	0	-195	-14	103.0	60.6	25.9	0.0	163.6	1	
1G	111	-5544	-9	78	0	-114	87	103.0	94.6	6.6	0.0	197.6	1	
1H	111	-5544	47	78	0	-114	-14	103.0	40.0	6.6	0.0	143.0	1	
1I	111	-10589	-6	476	0	-257	73	196.8	120.6	40.3	0.0	317.4	1	
1J	111	-10589	44	476	0	-257	0	196.8	66.1	40.3	0.0	263.3	3	
1K	111	-10589	-6	-92	0	-52	73	196.8	68.0	7.8	0.0	264.9	1	
1L	111	-10589	44	-92	0	-52	0	196.8	13.5	7.8	0.0	210.3	1	
1M	111	-5627	-6	476	0	-257	73	104.6	120.6	40.3	0.0	225.2	1	
1N	111	-5627	44	476	0	-257	0	104.6	66.1	40.3	0.0	175.0	3	
1O	111	-5627	-6	-92	0	-52	73	104.6	68.0	7.8	0.0	172.6	1	
1P	111	-5627	44	-92	0	-52	0	104.6	13.5	7.8	0.0	118.1	1	
2	111	-13710	14	202	0	-225	48	254.8	94.2	17.2	0.0	349.1	1	
7	111	-12750	17	188	0	-207	50	237.0	90.5	15.9	0.0	327.5	1	
8	111	-12780	17	215	0	-218	48	237.5	91.7	18.2	0.0	329.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg	kg*m							kg/cmq
1A	-10719	78	74	23	23	14	1.03	1.00	280.6
1B	-10719	78	19	23	23	14	1.03	1.00	239.7
1C	-10719	84	74	23	23	14	1.03	1.00	282.3
1D	-10719	84	19	23	23	14	1.03	1.00	241.3
1E	-5591	78	74	23	23	14	1.03	1.00	182.3
1F	-5591	78	19	23	23	14	1.03	1.00	141.5
1G	-5591	84	74	23	23	14	1.03	1.00	183.9
1H	-5591	84	19	23	23	14	1.03	1.00	143.1
1I	-10636	110	59	23	23	14	1.03	1.00	276.5
1J	-10636	110	4	23	23	14	1.03	1.00	235.4
1K	-10636	117	59	23	23	14	1.03	1.00	278.3
1L	-10636	117	4	23	23	14	1.03	1.00	237.2
1M	-5674	110	59	23	23	14	1.03	1.00	181.4
1N	-5674	110	4	23	23	14	1.03	1.00	140.4
1O	-5674	117	59	23	23	14	1.03	1.00	183.1
1P	-5674	117	4	23	23	14	1.03	1.00	142.1
2	-13770	136	42	23	23	14	1.03	1.00	330.4
7	-12810	124	42	23	23	14	1.03	1.00	309.0
8	-12840	123	40	23	23	14	1.03	1.00	307.7

ASTA NUM. 339 NI 426 NF 427 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10606	-14	38	0	-72	103	197.1	95.8	3.2	0.0	293.0	1	
1B	0	-10606	72	38	0	-72	-11	197.1	26.5	3.2	0.0	223.7	1	
1C	0	-10606	-14	-300	0	-196	103	197.1	127.6	25.5	0.0	324.8	1	
1D	0	-10606	72	-300	0	-196	-11	197.1	58.3	25.5	0.0	255.5	1	
1E	0	-5772	-14	38	0	-72	103	107.3	95.8	3.2	0.0	203.1	1	
1F	0	-5772	72	38	0	-72	-11	107.3	26.5	3.2	0.0	133.8	1	
1G	0	-5772	-14	-300	0	-196	103	107.3	127.6	25.5	0.0	234.9	1	
1H	0	-5772	72	-300	0	-196	-11	107.3	58.3	25.5	0.0	165.6	1	
1I	0	-10657	-23	114	0	-63	88	198.1	81.7	9.6	0.0	279.8	1	
1J	0	-10657	81	114	0	-63	5	198.1	19.9	9.6	0.0	218.0	1	
1K	0	-10657	-23	-376	0	-205	88	198.1	118.4	31.9	0.0	316.5	1	
1L	0	-10657	81	-376	0	-205	5	198.1	56.6	31.9	0.0	254.7	1	
1M	0	-5721	-23	114	0	-63	88	106.3	81.7	9.6	0.0	188.0	1	
1N	0	-5721	81	114	0	-63	5	106.3	19.9	9.6	0.0	126.2	1	
1O	0	-5721	-23	-376	0	-205	88	106.3	118.4	31.9	0.0	224.7	1	
1P	0	-5721	81	-376	0	-205	5	106.3	56.6	31.9	0.0	162.9	1	
2	0	-13640	11	-268	0	-242	66	253.5	111.7	22.7	0.0	365.2	1	
7	0	-12670	17	-262	0	-226	67	235.5	107.9	22.2	0.0	343.4	1	
8	0	-12750	19	-240	0	-222	64	237.0	104.9	20.4	0.0	341.9	1	
1A	55	-10583	-14	38	0	-94	138	196.7	127.3	3.2	0.0	324.0	1	
1B	55	-10583	72	38	0	-94	-13	196.7	34.0	3.2	0.0	230.8	1	
1C	55	-10583	-14	-300	0	-29	138	196.7	110.4	25.5	0.0	307.1	1	
1D	55	-10583	72	-300	0	-29	-13	196.7	17.1	25.5	0.0	213.8	1	
1E	55	-5748	-14	38	0	-94	138	106.8	127.3	3.2	0.0	234.2	1	
1F	55	-5748	72	38	0	-94	-13	106.8	34.0	3.2	0.0	140.9	1	
1G	55	-5748	-14	-300	0	-29	138	106.8	110.4	25.5	0.0	217.2	1	
1H	55	-5748	72	-300	0	-29	-13	106.8	17.1	25.5	0.0	124.0	1	
1I	55	-10633	-23	114	0	-129	128	197.6	129.1	9.6	0.0	326.7	1	
1J	55	-10633	81	114	0	-129	-3	197.6	35.8	9.6	0.0	233.4	1	
1K	55	-10633	-23	-376	0	6	128	197.6	97.5	31.9	0.0	295.1	1	
1L	55	-10633	81	-376	0	6	-3	197.6	4.2	31.9	0.0	205.3	4	
1M	55	-5698	-23	114	0	-129	128	105.9	129.1	9.6	0.0	235.0	1	
1N	55	-5698	81	114	0	-129	-3	105.9	35.8	9.6	0.0	141.7	1	
1O	55	-5698	-23	-376	0	6	128	105.9	97.5	31.9	0.0	203.4	1	
1P	55	-5698	81	-376	0	6	-3	105.9	4.2	31.9	0.0	119.5	4	
2	55	-13610	11	-268	0	-94	72	253.0	78.2	22.7	0.0	331.1	1	
7	55	-12640	17	-262	0	-81	76	234.9	77.8	22.2	0.0	312.7	1	
8	55	-12720	19	-240	0	-90	74	236.4	78.6	20.4	0.0	315.1	1	
1A	111	-10560	-14	38	0	-116	172	196.3	158.8	3.2	0.0	355.1	1	
1B	111	-10560	72	38	0	-116	-16	196.3	41.6	3.2	0.0	237.8	1	
1C	111	-10560	-14	-300	0	139	172	196.3	164.7	25.5	0.0	360.9	1	
1D	111	-10560	72	-300	0	139	-16	196.3	47.4	25.5	0.0	243.7	1	
1E	111	-5724	-14	38	0	-116	172	106.4	158.8	3.2	0.0	265.2	1	
1F	111	-5724	72	38	0	-116	-16	106.4	41.6	3.2	0.0	148.0	1	
1G	111	-5724	-14	-300	0	139	172	106.4	164.7	25.5	0.0	271.1	1	
1H	111	-5724	72	-300	0	139	-16	106.4	47.4	25.5	0.0	153.8	1	
1I	111	-10610	-23	114	0	-195	169	197.2	176.4	9.6	0.0	373.6	1	
1J	111	-10610	81	114	0	-195	-12	197.2	59.2	9.6	0.0	256.4	1	
1K	111	-10610	-23	-376	0	218	169	197.2	182.3	31.9	0.0	379.5	1	
1L	111	-10610	81	-376	0	218	-12	197.2	65.0	31.9	0.0	262.2	1	
1M	111	-5674	-23	114	0	-195	169	105.5	176.4	9.6	0.0	281.9	1	
1N	111	-5674	81	114	0	-195	-12	105.5	59.2	9.6	0.0	164.6	1	
1O	111	-5674	-23	-376	0	218	169	105.5	182.3	31.9	0.0	287.7	1	
1P	111	-5674	81	-376	0	218	-12	105.5	65.0	31.9	0.0	170.5	1	
2	111	-13580	11	-268	0	55	78	252.4	72.7	22.7	0.0	325.2	1	
7	111	-12610	17	-262	0	64	86	234.4	80.7	22.2	0.0	315.1	1	
8	111	-12690	19	-240	0	43	85	235.9	74.7	20.4	0.0	310.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-10606	99	145	23	23	14	1.03	1.00	337.3
1B	-10606	99	14	23	23	14	1.03	1.00	238.7
1C	-10606	78	145	23	23	14	1.03	1.00	332.1
1D	-10606	78	14	23	23	14	1.03	1.00	233.5
1E	-5772	99	145	23	23	14	1.03	1.00	244.4
1F	-5772	99	14	23	23	14	1.03	1.00	146.1
1G	-5772	78	145	23	23	14	1.03	1.00	239.2
1H	-5772	78	14	23	23	14	1.03	1.00	140.9
1I	-10657	142	136	23	23	14	1.03	1.00	343.1
1J	-10657	142	5	23	23	14	1.03	1.00	244.6
1K	-10657	87	136	23	23	14	1.03	1.00	329.0
1L	-10657	87	5	23	23	14	1.03	1.00	230.4
1M	-5721	142	136	23	23	14	1.03	1.00	248.4
1N	-5721	142	5	23	23	14	1.03	1.00	150.0
1O	-5721	87	136	23	23	14	1.03	1.00	234.2
1P	-5721	87	5	23	23	14	1.03	1.00	135.9
2	-13640	123	73	23	23	14	1.03	1.00	348.3
7	-12670	110	78	23	23	14	1.03	1.00	329.7
8	-12750	116	76	23	23	14	1.03	1.00	331.6

ASTA NUM. 340 NI 427 NF 428 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11112	-21	1084	0	79	209	206.5	177.1	91.9	0.0	383.7	1	
1B	0	-11112	64	1084	0	79	-15	206.5	31.7	91.9	0.0	265.6	3	
1C	0	-11112	-21	110	0	-21	209	206.5	162.3	9.3	0.0	368.8	1	
1D	0	-11112	64	110	0	-21	-15	206.5	16.8	9.3	0.0	223.4	1	
1E	0	-6208	-21	1084	0	79	209	115.4	177.1	91.9	0.0	292.5	1	
1F	0	-6208	64	1084	0	79	-15	115.4	31.7	91.9	0.0	196.9	4	
1G	0	-6208	-21	110	0	-21	209	115.4	162.3	9.3	0.0	277.7	1	
1H	0	-6208	64	110	0	-21	-15	115.4	16.8	9.3	0.0	132.2	1	
1I	0	-15099	-35	1741	0	97	201	280.7	175.7	147.6	0.0	456.4	1	
1J	0	-15099	77	1741	0	97	-7	280.7	30.3	147.6	0.0	379.8	4	
1K	0	-15099	-35	-546	0	-40	201	280.7	160.9	46.3	0.0	441.6	1	
1L	0	-15099	77	-546	0	-40	-7	280.7	15.5	46.3	0.0	298.6	3	
1M	0	-2221	-35	1741	0	97	201	41.3	175.7	147.6	0.0	259.8	4	
1N	0	-2221	77	1741	0	97	-7	41.3	30.3	147.6	0.0	259.0	4	
1O	0	-2221	-35	-546	0	-40	201	41.3	160.9	46.3	0.0	202.2	1	
1P	0	-2221	77	-546	0	-40	-7	41.3	15.5	46.3	0.0	90.3	4	
2	0	-13410	-2	-30	0	43	108	249.3	92.2	2.5	0.0	341.5	1	
7	0	-12120	5	71	0	49	115	225.3	99.0	6.1	0.0	324.3	1	
8	0	-12730	7	207	0	41	113	236.6	95.1	17.5	0.0	331.8	1	
1A	55	-11088	-21	1084	0	16	228	206.1	175.0	91.9	0.0	381.1	1	
1B	55	-11088	64	1084	0	16	-10	206.1	12.0	91.9	0.0	260.7	4	
1C	55	-11088	-21	110	0	-619	228	206.1	330.2	9.3	0.0	536.3	1	
1D	55	-11088	64	110	0	-619	-10	206.1	167.1	9.3	0.0	373.2	1	
1E	55	-6185	-21	1084	0	16	228	115.0	175.0	91.9	0.0	290.0	1	
1F	55	-6185	64	1084	0	16	-10	115.0	12.0	91.9	0.0	196.5	4	
1G	55	-6185	-21	110	0	-619	228	115.0	330.2	9.3	0.0	445.1	1	
1H	55	-6185	64	110	0	-619	-10	115.0	167.1	9.3	0.0	282.1	1	
1I	55	-15076	-35	1741	0	398	237	280.2	280.0	147.6	0.0	560.2	1	
1J	55	-15076	77	1741	0	398	-20	280.2	117.0	147.6	0.0	435.6	3	
1K	55	-15076	-35	-546	0	-1001	237	280.2	435.2	46.3	0.0	715.4	1	
1L	55	-15076	77	-546	0	-1001	-20	280.2	272.1	46.3	0.0	552.4	1	
1M	55	-2197	-35	1741	0	398	237	40.8	280.0	147.6	0.0	320.9	1	
1N	55	-2197	77	1741	0	398	-20	40.8	117.0	147.6	0.0	262.3	3	
1O	55	-2197	-35	-546	0	-1001	237	40.8	435.2	46.3	0.0	476.0	1	
1P	55	-2197	77	-546	0	-1001	-20	40.8	272.1	46.3	0.0	313.0	1	
2	55	-13380	-2	-30	0	60	107	248.7	95.7	2.5	0.0	344.4	1	
7	55	-12090	5	71	0	10	118	224.7	90.9	6.1	0.0	315.7	1	
8	55	-12700	7	207	0	-73	117	236.1	106.2	17.5	0.0	342.2	1	
1A	111	-11065	-21	1084	0	-46	247	205.7	196.8	91.9	0.0	402.4	1	
1B	111	-11065	64	1084	0	-46	-6	205.7	16.1	91.9	0.0	260.2	4	
1C	111	-11065	-21	110	0	-1217	247	205.7	498.1	9.3	0.0	703.8	1	
1D	111	-11065	64	110	0	-1217	-6	205.7	317.4	9.3	0.0	523.1	1	
1E	111	-6161	-21	1084	0	-46	247	114.5	196.8	91.9	0.0	311.3	1	
1F	111	-6161	64	1084	0	-46	-6	114.5	16.1	91.9	0.0	196.2	4	
1G	111	-6161	-21	110	0	-1217	247	114.5	498.1	9.3	0.0	612.6	1	
1H	111	-6161	64	110	0	-1217	-6	114.5	317.4	9.3	0.0	431.9	1	
1I	111	-15052	-35	1741	0	698	274	279.8	384.3	147.6	0.0	664.1	1	
1J	111	-15052	77	1741	0	698	-32	279.8	203.6	147.6	0.0	495.8	3	
1K	111	-15052	-35	-546	0	-1961	274	279.8	709.5	46.3	0.0	989.3	1	
1L	111	-15052	77	-546	0	-1961	-32	279.8	528.8	46.3	0.0	808.6	1	
1M	111	-2174	-35	1741	0	698	274	40.4	384.3	147.6	0.0	424.7	1	
1N	111	-2174	77	1741	0	698	-32	40.4	203.6	147.6	0.0	303.1	3	
1O	111	-2174	-35	-546	0	-1961	274	40.4	709.5	46.3	0.0	749.9	1	
1P	111	-2174	77	-546	0	-1961	-32	40.4	528.8	46.3	0.0	569.2	1	
2	111	-13350	-2	-30	0	76	106	248.1	99.2	2.5	0.0	347.4	1	
7	111	-12060	5	71	0	-30	121	224.2	98.2	6.1	0.0	322.4	1	
8	111	-12670	7	207	0	-187	121	235.5	138.5	17.5	0.0	374.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-11112	32	232	23	23	14	1.03	1.00	395.4
1B	-11112	32	11	23	23	14	1.03	1.00	229.4
1C	-11112	739	232	23	23	14	1.03	1.00	577.8
1D	-11112	739	11	23	23	14	1.03	1.00	411.8
1E	-6208	32	232	23	23	14	1.03	1.00	301.1
1F	-6208	32	11	23	23	14	1.03	1.00	135.5
1G	-6208	739	232	23	23	14	1.03	1.00	483.3
1H	-6208	739	11	23	23	14	1.03	1.00	317.7
1I	-15099	458	245	23	23	14	1.03	1.00	591.6
1J	-15099	458	22	23	23	14	1.03	1.00	423.8
1K	-15099	1193	245	23	23	14	1.03	1.00	781.3
1L	-15099	1193	22	23	23	14	1.03	1.00	613.5
1M	-2221	458	245	23	23	14	1.03	1.00	343.6
1N	-2221	458	22	23	23	14	1.03	1.00	176.9
1O	-2221	1193	245	23	23	14	1.03	1.00	532.9
1P	-2221	1193	22	23	23	14	1.03	1.00	366.1
2	-13410	63	108	23	23	14	1.03	1.00	354.0
7	-12120	20	119	23	23	14	1.03	1.00	326.5
8	-12730	96	118	23	23	14	1.03	1.00	356.9

ASTA NUM. 341 NI 349 NF 350 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-20898	-7	228	0	466	15	388.4	131.5	19.4	0.0	519.9	1	
1B	0	-20898	8	228	0	466	-15	388.4	131.2	19.4	0.0	519.6	1	
1C	0	-20898	-7	-133	0	-353	15	388.4	102.2	11.2	0.0	490.7	1	
1D	0	-20898	8	-133	0	-353	-15	388.4	101.9	11.2	0.0	490.3	1	
1E	0	14302	-7	228	0	466	15	265.8	131.5	19.4	0.0	397.3	1	
1F	0	14302	8	228	0	466	-15	265.8	131.2	19.4	0.0	397.0	1	
1G	0	14302	-7	-133	0	-353	15	265.8	102.2	11.2	0.0	368.0	1	
1H	0	14302	8	-133	0	-353	-15	265.8	101.9	11.2	0.0	367.7	1	
1I	0	-38362	-4	218	0	911	13	713.1	244.0	18.5	0.0	957.0	1	
1J	0	-38362	6	218	0	911	-12	713.1	243.6	18.5	0.0	956.7	1	
1K	0	-38362	-4	-123	0	-797	13	713.1	214.7	10.4	0.0	927.7	1	
1L	0	-38362	6	-123	0	-797	-12	713.1	214.4	10.4	0.0	927.4	1	
1M	0	31766	-4	218	0	911	13	590.5	244.0	18.5	0.0	834.4	1	
1N	0	31766	6	218	0	911	-12	590.5	243.6	18.5	0.0	834.1	1	
1O	0	31766	-4	-123	0	-797	13	590.5	214.7	10.4	0.0	805.1	1	
1P	0	31766	6	-123	0	-797	-12	590.5	214.4	10.4	0.0	804.8	1	
2	0	6629	7	-10	0	-186	9	123.2	54.5	0.9	0.0	177.7	1	
7	0	6638	7	-10	0	-186	9	123.4	54.6	0.9	0.0	178.0	1	
8	0	3391	5	12	0	-109	6	63.0	32.7	1.0	0.0	95.8	1	
1A	55	-20874	-7	228	0	365	19	388.0	108.3	19.4	0.0	496.3	1	
1B	55	-20874	8	228	0	365	-18	388.0	107.5	19.4	0.0	495.5	1	
1C	55	-20874	-7	-133	0	-304	19	388.0	92.7	11.2	0.0	480.7	1	
1D	55	-20874	8	-133	0	-304	-18	388.0	91.8	11.2	0.0	479.8	1	
1E	55	14326	-7	228	0	365	19	266.3	108.3	19.4	0.0	374.6	1	
1F	55	14326	8	228	0	365	-18	266.3	107.5	19.4	0.0	373.8	1	
1G	55	14326	-7	-133	0	-304	19	266.3	92.7	11.2	0.0	358.9	1	
1H	55	14326	8	-133	0	-304	-18	266.3	91.8	11.2	0.0	358.1	1	
1I	55	-38339	-4	218	0	798	14	712.6	215.5	18.5	0.0	928.1	1	
1J	55	-38339	6	218	0	798	-13	712.6	214.7	18.5	0.0	927.3	1	
1K	55	-38339	-4	-123	0	-737	14	712.6	199.8	10.4	0.0	912.5	1	
1L	55	-38339	6	-123	0	-737	-13	712.6	199.0	10.4	0.0	911.6	1	
1M	55	31790	-4	218	0	798	14	590.9	215.5	18.5	0.0	806.4	1	
1N	55	31790	6	218	0	798	-13	590.9	214.7	18.5	0.0	805.6	1	
1O	55	31790	-4	-123	0	-737	14	590.9	199.8	10.4	0.0	790.7	1	
1P	55	31790	6	-123	0	-737	-13	590.9	199.0	10.4	0.0	789.9	1	
2	55	6659	7	-10	0	-180	13	123.8	55.8	0.9	0.0	179.6	1	
7	55	6668	7	-10	0	-181	13	123.9	55.9	0.9	0.0	179.9	1	
8	55	3422	5	12	0	-115	9	63.6	36.5	1.0	0.0	100.1	1	
1A	111	-20851	-7	228	0	264	23	387.6	85.2	19.4	0.0	472.7	1	
1B	111	-20851	8	228	0	264	-21	387.6	83.8	19.4	0.0	471.4	1	
1C	111	-20851	-7	-133	0	-256	23	387.6	83.1	11.2	0.0	470.7	1	
1D	111	-20851	8	-133	0	-256	-21	387.6	81.8	11.2	0.0	469.3	1	
1E	111	14349	-7	228	0	264	23	266.7	85.2	19.4	0.0	351.9	1	
1F	111	14349	8	228	0	264	-21	266.7	83.8	19.4	0.0	350.5	1	
1G	111	14349	-7	-133	0	-256	23	266.7	83.1	11.2	0.0	349.8	1	
1H	111	14349	8	-133	0	-256	-21	266.7	81.8	11.2	0.0	348.5	1	
1I	111	-38315	-4	218	0	685	15	712.2	187.1	18.5	0.0	899.2	1	
1J	111	-38315	6	218	0	685	-13	712.2	185.7	18.5	0.0	897.9	1	
1K	111	-38315	-4	-123	0	-677	15	712.2	185.0	10.4	0.0	897.2	1	
1L	111	-38315	6	-123	0	-677	-13	712.2	183.6	10.4	0.0	895.8	1	
1M	111	31813	-4	218	0	685	15	591.3	187.1	18.5	0.0	778.4	1	
1N	111	31813	6	218	0	685	-13	591.3	185.7	18.5	0.0	777.0	1	
1O	111	31813	-4	-123	0	-677	15	591.3	185.0	10.4	0.0	776.3	1	
1P	111	31813	6	-123	0	-677	-13	591.3	183.6	10.4	0.0	775.0	1	
2	111	6689	7	-10	0	-175	16	124.3	57.1	0.9	0.0	181.5	1	
7	111	6699	7	-10	0	-175	16	124.5	57.2	0.9	0.0	181.8	1	
8	111	3452	5	12	0	-122	12	64.2	40.2	1.0	0.0	104.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-20898	385	20	23	23	14	1.03	1.00	514.7
1B	-20898	385	19	23	23	14	1.03	1.00	513.8
1C	-20898	314	20	23	23	14	1.03	1.00	496.3
1D	-20898	314	19	23	23	14	1.03	1.00	495.3
1E	14349	385	20	23	23	14	1.00	1.00	380.8
1F	14349	385	19	23	23	14	1.00	1.00	379.9
1G	14349	314	20	23	23	14	1.00	1.00	362.4
1H	14349	314	19	23	23	14	1.00	1.00	361.5
1I	-38362	820	14	23	23	14	1.03	1.00	957.5
1J	-38362	820	13	23	23	14	1.03	1.00	956.6
1K	-38362	749	14	23	23	14	1.03	1.00	939.0
1L	-38362	749	13	23	23	14	1.03	1.00	938.1
1M	31813	820	14	23	23	14	1.00	1.00	812.8
1N	31813	820	13	23	23	14	1.00	1.00	811.8
1O	31813	749	14	23	23	14	1.00	1.00	794.4
1P	31813	749	13	23	23	14	1.00	1.00	793.4
2	6689	181	13	23	23	14	1.00	1.00	181.0
7	6699	182	13	23	23	14	1.00	1.00	181.3
8	3452	117	10	23	23	14	1.00	1.00	101.4

ASTA NUM. 342 NI 350 NF 351 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-15929	-5	65	0	336	28	296.1	107.4	5.5	0.0	403.5	1	
1B	0	-15929	7	65	0	336	-27	296.1	106.5	5.5	0.0	402.6	1	
1C	0	-15929	-5	-188	0	-338	28	296.1	107.9	16.0	0.0	404.0	1	
1D	0	-15929	7	-188	0	-338	-27	296.1	107.1	16.0	0.0	403.1	1	
1E	0	8861	-5	65	0	336	28	164.7	107.4	5.5	0.0	272.1	1	
1F	0	8861	7	65	0	336	-27	164.7	106.5	5.5	0.0	271.2	1	
1G	0	8861	-5	-188	0	-338	28	164.7	107.9	16.0	0.0	272.6	1	
1H	0	8861	7	-188	0	-338	-27	164.7	107.1	16.0	0.0	271.8	1	
1I	0	-28738	-9	197	0	847	19	534.2	232.1	16.7	0.0	766.3	1	
1J	0	-28738	11	197	0	847	-18	534.2	231.3	16.7	0.0	765.4	1	
1K	0	-28738	-9	-321	0	-849	19	534.2	232.7	27.2	0.0	766.8	1	
1L	0	-28738	11	-321	0	-849	-18	534.2	231.8	27.2	0.0	765.9	1	
1M	0	21670	-9	197	0	847	19	402.8	232.1	16.7	0.0	634.9	1	
1N	0	21670	11	197	0	847	-18	402.8	231.3	16.7	0.0	634.1	1	
1O	0	21670	-9	-321	0	-849	19	402.8	232.7	27.2	0.0	635.4	1	
1P	0	21670	11	-321	0	-849	-18	402.8	231.8	27.2	0.0	634.6	1	
2	0	2210	4	-190	0	-253	13	41.1	75.0	16.1	0.0	116.1	1	
7	0	2217	4	-190	0	-254	13	41.2	75.2	16.1	0.0	116.4	1	
8	0	196	3	-157	0	-179	9	3.6	53.2	13.3	0.0	56.8	1	
1A	55	-15906	-5	65	0	327	28	295.6	105.4	5.5	0.0	401.1	1	
1B	55	-15906	7	65	0	327	-26	295.6	103.9	5.5	0.0	399.6	1	
1C	55	-15906	-5	-188	0	-261	28	295.6	88.4	16.0	0.0	384.1	1	
1D	55	-15906	7	-188	0	-261	-26	295.6	86.9	16.0	0.0	382.5	1	
1E	55	8884	-5	65	0	327	28	165.1	105.4	5.5	0.0	270.6	1	
1F	55	8884	7	65	0	327	-26	165.1	103.9	5.5	0.0	269.1	1	
1G	55	8884	-5	-188	0	-261	28	165.1	88.4	16.0	0.0	253.5	1	
1H	55	8884	7	-188	0	-261	-26	165.1	86.9	16.0	0.0	252.0	1	
1I	55	-28714	-9	197	0	747	17	533.7	204.5	16.7	0.0	738.3	1	
1J	55	-28714	11	197	0	747	-15	533.7	203.0	16.7	0.0	736.7	1	
1K	55	-28714	-9	-321	0	-680	17	533.7	187.5	27.2	0.0	721.2	1	
1L	55	-28714	11	-321	0	-680	-15	533.7	186.0	27.2	0.0	719.7	1	
1M	55	21693	-9	197	0	747	17	403.2	204.5	16.7	0.0	607.8	1	
1N	55	21693	11	197	0	747	-15	403.2	203.0	16.7	0.0	606.2	1	
1O	55	21693	-9	-321	0	-680	17	403.2	187.5	27.2	0.0	590.7	1	
1P	55	21693	11	-321	0	-680	-15	403.2	186.0	27.2	0.0	589.2	1	
2	55	2240	4	-190	0	-148	15	41.6	49.6	16.1	0.0	91.2	1	
7	55	2248	4	-190	0	-149	15	41.8	49.7	16.1	0.0	91.5	1	
8	55	226	3	-157	0	-92	11	4.2	32.0	13.3	0.0	36.2	1	
1A	111	-15882	-5	65	0	319	29	295.2	103.5	5.5	0.0	398.7	1	
1B	111	-15882	7	65	0	319	-26	295.2	101.3	5.5	0.0	396.5	1	
1C	111	-15882	-5	-188	0	-185	29	295.2	68.9	16.0	0.0	364.1	1	
1D	111	-15882	7	-188	0	-185	-26	295.2	66.7	16.0	0.0	361.9	1	
1E	111	8908	-5	65	0	319	29	165.6	103.5	5.5	0.0	269.0	1	
1F	111	8908	7	65	0	319	-26	165.6	101.3	5.5	0.0	266.9	1	
1G	111	8908	-5	-188	0	-185	29	165.6	68.9	16.0	0.0	234.5	1	
1H	111	8908	7	-188	0	-185	-26	165.6	66.7	16.0	0.0	232.3	1	
1I	111	-28691	-9	197	0	646	14	533.3	176.9	16.7	0.0	710.2	1	
1J	111	-28691	11	197	0	646	-12	533.3	174.8	16.7	0.0	708.0	1	
1K	111	-28691	-9	-321	0	-511	14	533.3	142.3	27.2	0.0	675.6	1	
1L	111	-28691	11	-321	0	-511	-12	533.3	140.2	27.2	0.0	673.5	1	
1M	111	21717	-9	197	0	646	14	403.7	176.9	16.7	0.0	580.6	1	
1N	111	21717	11	197	0	646	-12	403.7	174.8	16.7	0.0	578.4	1	
1O	111	21717	-9	-321	0	-511	14	403.7	142.3	27.2	0.0	546.0	1	
1P	111	21717	11	-321	0	-511	-12	403.7	140.2	27.2	0.0	543.8	1	
2	111	2271	4	-190	0	-44	17	42.2	24.1	16.1	0.0	66.4	1	
7	111	2278	4	-190	0	-44	17	42.3	24.2	16.1	0.0	66.5	1	
8	111	257	3	-157	0	-5	13	4.8	10.9	13.3	0.0	23.6	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-15929	329	28	23	23	14	1.03	1.00	411.3	

1B	-15929	329	26	23	23	14	1.03	1.00	409.8
1C	-15929	276	28	23	23	14	1.03	1.00	397.7
1D	-15929	276	26	23	23	14	1.03	1.00	396.2
1E	8908	329	28	23	23	14	1.00	1.00	271.5
1F	8908	329	26	23	23	14	1.00	1.00	270.0
1G	8908	276	28	23	23	14	1.00	1.00	258.0
1H	8908	276	26	23	23	14	1.00	1.00	256.5
1I	-28738	767	17	23	23	14	1.03	1.00	761.4
1J	-28738	767	15	23	23	14	1.03	1.00	760.0
1K	-28738	714	17	23	23	14	1.03	1.00	747.8
1L	-28738	714	15	23	23	14	1.03	1.00	746.4
1M	21717	767	17	23	23	14	1.00	1.00	613.7
1N	21717	767	15	23	23	14	1.00	1.00	612.3
1O	21717	714	17	23	23	14	1.00	1.00	600.2
1P	21717	714	15	23	23	14	1.00	1.00	598.8
2	2271	169	16	23	23	14	1.00	1.00	97.5
7	2278	170	16	23	23	14	1.00	1.00	97.7
8	257	109	11	23	23	14	1.00	1.00	41.5

ASTA NUM. 343 NI 351 NF 352 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-15537	-10	225	0	405	34	288.8	129.6	19.1	0.0	418.4	1	
1B	0	-15537	12	225	0	405	-32	288.8	127.9	19.1	0.0	416.7	1	
1C	0	-15537	-10	-131	0	-281	34	288.8	97.6	11.1	0.0	386.4	1	
1D	0	-15537	12	-131	0	-281	-32	288.8	95.9	11.1	0.0	384.7	1	
1E	0	8525	-10	225	0	405	34	158.5	129.6	19.1	0.0	288.1	1	
1F	0	8525	12	225	0	405	-32	158.5	127.9	19.1	0.0	286.3	1	
1G	0	8525	-10	-131	0	-281	34	158.5	97.6	11.1	0.0	256.1	1	
1H	0	8525	12	-131	0	-281	-32	158.5	95.9	11.1	0.0	254.4	1	
1I	0	-28045	-13	328	0	807	16	521.3	219.7	27.8	0.0	741.0	1	
1J	0	-28045	15	328	0	807	-14	521.3	217.9	27.8	0.0	739.2	1	
1K	0	-28045	-13	-234	0	-682	16	521.3	187.7	19.8	0.0	709.0	1	
1L	0	-28045	15	-234	0	-682	-14	521.3	186.0	19.8	0.0	707.3	1	
1M	0	21033	-13	328	0	807	16	391.0	219.7	27.8	0.0	610.6	1	
1N	0	21033	15	328	0	807	-14	391.0	217.9	27.8	0.0	608.9	1	
1O	0	21033	-13	-234	0	-682	16	391.0	187.7	19.8	0.0	578.6	1	
1P	0	21033	15	-234	0	-682	-14	391.0	186.0	19.8	0.0	576.9	1	
2	0	1997	0	-34	0	-113	16	37.1	41.4	2.9	0.0	78.5	1	
7	0	2003	0	-34	0	-113	17	37.2	41.5	2.9	0.0	78.7	1	
8	0	56	1	-5	0	-56	12	1.0	23.3	0.5	0.0	24.4	1	
1A	55	-15514	-10	225	0	286	33	288.4	97.9	19.1	0.0	386.3	1	
1B	55	-15514	12	225	0	286	-29	288.4	95.2	19.1	0.0	383.6	1	
1C	55	-15514	-10	-131	0	-214	33	288.4	79.3	11.1	0.0	367.7	1	
1D	55	-15514	12	-131	0	-214	-29	288.4	76.6	11.1	0.0	365.0	1	
1E	55	8548	-10	225	0	286	33	158.9	97.9	19.1	0.0	256.8	1	
1F	55	8548	12	225	0	286	-29	158.9	95.2	19.1	0.0	254.1	1	
1G	55	8548	-10	-131	0	-214	33	158.9	79.3	11.1	0.0	238.2	1	
1H	55	8548	12	-131	0	-214	-29	158.9	76.6	11.1	0.0	235.5	1	
1I	55	-28022	-13	328	0	627	19	520.9	175.4	27.8	0.0	696.2	1	
1J	55	-28022	15	328	0	627	-15	520.9	172.7	27.8	0.0	693.5	1	
1K	55	-28022	-13	-234	0	-555	19	520.9	156.8	19.8	0.0	677.6	1	
1L	55	-28022	15	-234	0	-555	-15	520.9	154.1	19.8	0.0	674.9	1	
1M	55	21057	-13	328	0	627	19	391.4	175.4	27.8	0.0	566.8	1	
1N	55	21057	15	328	0	627	-15	391.4	172.7	27.8	0.0	564.1	1	
1O	55	21057	-13	-234	0	-555	19	391.4	156.8	19.8	0.0	548.2	1	
1P	55	21057	15	-234	0	-555	-15	391.4	154.1	19.8	0.0	545.5	1	
2	55	2027	0	-34	0	-94	17	37.7	36.8	2.9	0.0	74.4	1	
7	55	2034	0	-34	0	-94	17	37.8	36.8	2.9	0.0	74.6	1	
8	55	87	1	-5	0	-53	13	1.6	22.9	0.5	0.0	24.5	1	
1A	111	-15490	-10	225	0	167	31	287.9	66.2	19.1	0.0	354.2	1	
1B	111	-15490	12	225	0	167	-26	287.9	62.6	19.1	0.0	350.5	1	
1C	111	-15490	-10	-131	0	-147	31	287.9	61.0	11.1	0.0	349.0	1	
1D	111	-15490	12	-131	0	-147	-26	287.9	57.4	11.1	0.0	345.3	1	
1E	111	8572	-10	225	0	167	31	159.3	66.2	19.1	0.0	225.6	1	
1F	111	8572	12	225	0	167	-26	159.3	62.6	19.1	0.0	221.9	1	
1G	111	8572	-10	-131	0	-147	31	159.3	61.0	11.1	0.0	220.4	1	
1H	111	8572	12	-131	0	-147	-26	159.3	57.4	11.1	0.0	216.7	1	
1I	111	-27998	-13	328	0	447	21	520.4	131.1	27.8	0.0	651.5	1	
1J	111	-27998	15	328	0	447	-16	520.4	127.4	27.8	0.0	647.8	1	
1K	111	-27998	-13	-234	0	-427	21	520.4	125.9	19.8	0.0	646.3	1	
1L	111	-27998	15	-234	0	-427	-16	520.4	122.2	19.8	0.0	642.6	1	
1M	111	21080	-13	328	0	447	21	391.8	131.1	27.8	0.0	522.9	1	
1N	111	21080	15	328	0	447	-16	391.8	127.4	27.8	0.0	519.3	1	
1O	111	21080	-13	-234	0	-427	21	391.8	125.9	19.8	0.0	517.7	1	
1P	111	21080	15	-234	0	-427	-16	391.8	122.2	19.8	0.0	514.0	1	
2	111	2057	0	-34	0	-76	17	38.2	32.2	2.9	0.0	70.4	1	
7	111	2064	0	-34	0	-76	17	38.4	32.2	2.9	0.0	70.5	1	
8	111	117	1	-5	0	-50	13	2.2	22.5	0.5	0.0	24.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-15537	310	33	23	23	14	1.03	1.00	402.1	
1B	-15537	310	29	23	23	14	1.03	1.00	399.6	

1C	-15537	227	33	23	23	14	1.03	1.00	380.8
1D	-15537	227	29	23	23	14	1.03	1.00	378.3
1E	8572	310	33	23	23	14	1.00	1.00	263.6
1F	8572	310	29	23	23	14	1.00	1.00	261.1
1G	8572	227	33	23	23	14	1.00	1.00	242.3
1H	8572	227	29	23	23	14	1.00	1.00	239.8
1I	-28045	663	19	23	23	14	1.03	1.00	723.0
1J	-28045	663	15	23	23	14	1.03	1.00	720.1
1K	-28045	580	19	23	23	14	1.03	1.00	701.6
1L	-28045	580	15	23	23	14	1.03	1.00	698.7
1M	21080	663	19	23	23	14	1.00	1.00	576.8
1N	21080	663	15	23	23	14	1.00	1.00	574.0
1O	21080	580	19	23	23	14	1.00	1.00	555.6
1P	21080	580	15	23	23	14	1.00	1.00	552.7
2	2057	98	17	23	23	14	1.00	1.00	76.0
7	2064	98	17	23	23	14	1.00	1.00	76.2
8	117	53	13	23	23	14	1.00	1.00	25.3

ASTA NUM. 344 NI 352 NF 353 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10809	-21	49	0	249	44	200.9	96.9	4.2	0.0	297.8	1	
1B	0	-10809	24	49	0	249	-40	200.9	93.8	4.2	0.0	294.7	1	
1C	0	-10809	-21	-173	0	-239	44	200.9	94.2	14.7	0.0	295.2	1	
1D	0	-10809	24	-173	0	-239	-40	200.9	91.1	14.7	0.0	292.0	1	
1E	0	3341	-21	49	0	249	44	62.1	96.9	4.2	0.0	159.0	1	
1F	0	3341	24	49	0	249	-40	62.1	93.8	4.2	0.0	155.9	1	
1G	0	3341	-21	-173	0	-239	44	62.1	94.2	14.7	0.0	156.3	1	
1H	0	3341	24	-173	0	-239	-40	62.1	91.1	14.7	0.0	153.2	1	
1I	0	-19142	-11	193	0	607	25	355.8	174.9	16.4	0.0	530.7	1	
1J	0	-19142	14	193	0	607	-21	355.8	171.8	16.4	0.0	527.6	1	
1K	0	-19142	-11	-317	0	-596	25	355.8	172.2	26.8	0.0	528.0	1	
1L	0	-19142	14	-317	0	-596	-21	355.8	169.1	26.8	0.0	524.9	1	
1M	0	11674	-11	193	0	607	25	217.0	174.9	16.4	0.0	391.9	1	
1N	0	11674	14	193	0	607	-21	217.0	171.8	16.4	0.0	388.8	1	
1O	0	11674	-11	-317	0	-596	25	217.0	172.2	26.8	0.0	389.2	1	
1P	0	11674	14	-317	0	-596	-21	217.0	169.1	26.8	0.0	386.1	1	
2	0	-1378	-4	-166	0	-137	18	25.6	48.8	14.1	0.0	74.4	1	
7	0	-1375	-4	-166	0	-138	18	25.6	48.8	14.1	0.0	74.4	1	
8	0	-2405	-2	-141	0	-95	14	44.7	34.6	11.9	0.0	79.3	1	
1A	55	-10786	-21	49	0	228	35	200.5	85.2	4.2	0.0	285.7	1	
1B	55	-10786	24	49	0	228	-30	200.5	81.1	4.2	0.0	281.6	1	
1C	55	-10786	-21	-173	0	-149	35	200.5	65.0	14.7	0.0	265.5	1	
1D	55	-10786	24	-173	0	-149	-30	200.5	60.9	14.7	0.0	261.4	1	
1E	55	3364	-21	49	0	228	35	62.5	85.2	4.2	0.0	147.8	1	
1F	55	3364	24	49	0	228	-30	62.5	81.1	4.2	0.0	143.7	1	
1G	55	3364	-21	-173	0	-149	35	62.5	65.0	14.7	0.0	127.5	1	
1H	55	3364	24	-173	0	-149	-30	62.5	60.9	14.7	0.0	123.4	1	
1I	55	-19120	-11	193	0	501	26	355.4	148.5	16.4	0.0	503.9	1	
1J	55	-19120	14	193	0	501	-21	355.4	144.4	16.4	0.0	499.8	1	
1K	55	-19120	-11	-317	0	-423	26	355.4	128.3	26.8	0.0	483.7	1	
1L	55	-19120	14	-317	0	-423	-21	355.4	124.2	26.8	0.0	479.6	1	
1M	55	11698	-11	193	0	501	26	217.4	148.5	16.4	0.0	365.9	1	
1N	55	11698	14	193	0	501	-21	217.4	144.4	16.4	0.0	361.9	1	
1O	55	11698	-11	-317	0	-423	26	217.4	128.3	26.8	0.0	345.7	1	
1P	55	11698	14	-317	0	-423	-21	217.4	124.2	26.8	0.0	341.6	1	
2	55	-1348	-4	-166	0	-46	16	25.1	23.6	14.1	0.0	48.7	1	
7	55	-1344	-4	-166	0	-46	16	25.0	23.6	14.1	0.0	48.6	1	
8	55	-2374	-2	-141	0	-17	12	44.1	13.7	11.9	0.0	57.8	1	
1A	111	-10763	-21	49	0	206	27	200.1	73.5	4.2	0.0	273.6	1	
1B	111	-10763	24	49	0	206	-20	200.1	68.5	4.2	0.0	268.5	1	
1C	111	-10763	-21	-173	0	-60	27	200.1	35.7	14.7	0.0	235.8	1	
1D	111	-10763	24	-173	0	-60	-20	200.1	30.7	14.7	0.0	230.7	1	
1E	111	3387	-21	49	0	206	27	63.0	73.5	4.2	0.0	136.5	1	
1F	111	3387	24	49	0	206	-20	63.0	68.5	4.2	0.0	131.4	1	
1G	111	3387	-21	-173	0	-60	27	63.0	35.7	14.7	0.0	98.7	1	
1H	111	3387	24	-173	0	-60	-20	63.0	30.7	14.7	0.0	93.6	1	
1I	111	-19096	-11	193	0	396	27	355.0	122.2	16.4	0.0	477.1	1	
1J	111	-19096	14	193	0	396	-20	355.0	117.1	16.4	0.0	472.0	1	
1K	111	-19096	-11	-317	0	-249	27	355.0	84.4	26.8	0.0	439.3	1	
1L	111	-19096	14	-317	0	-249	-20	355.0	79.3	26.8	0.0	434.2	1	
1M	111	11720	-11	193	0	396	27	217.9	122.2	16.4	0.0	340.0	1	
1N	111	11720	14	193	0	396	-20	217.9	117.1	16.4	0.0	334.9	1	
1O	111	11720	-11	-317	0	-249	27	217.9	84.4	26.8	0.0	302.2	1	
1P	111	11720	14	-317	0	-249	-20	217.9	79.3	26.8	0.0	297.1	1	
2	111	-1318	-4	-166	0	46	14	24.5	22.3	14.1	0.0	46.8	1	
7	111	-1314	-4	-166	0	46	14	24.4	22.2	14.1	0.0	46.6	1	
8	111	-2344	-2	-141	0	61	11	43.6	24.0	11.9	0.0	67.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10809	232	37	23	23	14	1.03	1.00	294.8	
1B	-10809	232	32	23	23	14	1.03	1.00	290.8	
1C	-10809	167	37	23	23	14	1.03	1.00	278.0	

1D	-10809	167	32	23	23	14	1.03	1.00	274.1
1E	3387	232	37	23	23	14	1.00	1.00	150.5
1F	3387	232	32	23	23	14	1.00	1.00	146.6
1G	3387	167	37	23	23	14	1.00	1.00	133.8
1H	3387	167	32	23	23	14	1.00	1.00	129.9
1I	-19142	522	26	23	23	14	1.03	1.00	521.2
1J	-19142	522	21	23	23	14	1.03	1.00	517.0
1K	-19142	458	26	23	23	14	1.03	1.00	504.4
1L	-19142	458	21	23	23	14	1.03	1.00	500.2
1M	11720	522	26	23	23	14	1.00	1.00	371.9
1N	11720	522	21	23	23	14	1.00	1.00	367.7
1O	11720	458	26	23	23	14	1.00	1.00	355.2
1P	11720	458	21	23	23	14	1.00	1.00	351.0
2	-1378	64	16	23	23	14	1.03	1.00	55.1
7	-1375	64	16	23	23	14	1.03	1.00	55.0
8	-2405	38	13	23	23	14	1.03	1.00	65.3

ASTA NUM. 345 NI 353 NF 354 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10423	-52	184	0	291	42	193.7	106.1	15.6	0.0	299.9	1	
1B	0	-10423	53	184	0	291	-35	193.7	101.2	15.6	0.0	294.9	1	
1C	0	-10423	-52	-92	0	-154	42	193.7	70.9	7.8	0.0	264.6	1	
1D	0	-10423	53	-92	0	-154	-35	193.7	65.9	7.8	0.0	259.6	1	
1E	0	3011	-52	184	0	291	42	56.0	106.1	15.6	0.0	162.1	1	
1F	0	3011	53	184	0	291	-35	56.0	101.2	15.6	0.0	157.1	1	
1G	0	3011	-52	-92	0	-154	42	56.0	70.9	7.8	0.0	126.8	1	
1H	0	3011	53	-92	0	-154	-35	56.0	65.9	7.8	0.0	121.8	1	
1I	0	-18470	-26	312	0	553	35	343.3	168.8	26.4	0.0	512.1	1	
1J	0	-18470	28	312	0	553	-29	343.3	163.8	26.4	0.0	507.1	1	
1K	0	-18470	-26	-220	0	-416	35	343.3	133.5	18.6	0.0	476.8	1	
1L	0	-18470	28	-220	0	-416	-29	343.3	128.5	18.6	0.0	471.8	1	
1M	0	11058	-26	312	0	553	35	205.5	168.8	26.4	0.0	374.3	1	
1N	0	11058	28	312	0	553	-29	205.5	163.8	26.4	0.0	369.3	1	
1O	0	11058	-26	-220	0	-416	35	205.5	133.5	18.6	0.0	339.0	1	
1P	0	11058	28	-220	0	-416	-29	205.5	128.5	18.6	0.0	334.0	1	
2	0	-1531	-8	-12	0	-8	16	28.5	14.0	1.0	0.0	42.5	1	
7	0	-1528	-8	-12	0	-8	16	28.4	14.0	1.1	0.0	42.4	1	
8	0	-2501	-5	9	0	21	13	46.5	15.0	0.8	0.0	61.4	1	
1A	55	-10400	-52	184	0	191	8	193.3	55.0	15.6	0.0	248.3	1	
1B	55	-10400	53	184	0	191	-0	193.3	49.3	15.6	0.0	242.6	1	
1C	55	-10400	-52	-92	0	-105	8	193.3	32.9	7.8	0.0	226.2	1	
1D	55	-10400	53	-92	0	-105	-0	193.3	27.1	7.8	0.0	220.4	1	
1E	55	3034	-52	184	0	191	8	56.4	55.0	15.6	0.0	111.4	1	
1F	55	3034	53	184	0	191	-0	56.4	49.3	15.6	0.0	105.7	1	
1G	55	3034	-52	-92	0	-105	8	56.4	32.9	7.8	0.0	89.3	1	
1H	55	3034	53	-92	0	-105	-0	56.4	27.1	7.8	0.0	83.5	1	
1I	55	-18447	-26	312	0	381	28	342.9	119.3	26.4	0.0	462.2	1	
1J	55	-18447	28	312	0	381	-21	342.9	113.5	26.4	0.0	456.4	1	
1K	55	-18447	-26	-220	0	-295	28	342.9	97.1	18.6	0.0	440.0	1	
1L	55	-18447	28	-220	0	-295	-21	342.9	91.4	18.6	0.0	434.2	1	
1M	55	11082	-26	312	0	381	28	206.0	119.3	26.4	0.0	325.3	1	
1N	55	11082	28	312	0	381	-21	206.0	113.5	26.4	0.0	319.5	1	
1O	55	11082	-26	-220	0	-295	28	206.0	97.1	18.6	0.0	303.1	1	
1P	55	11082	28	-220	0	-295	-21	206.0	91.4	18.6	0.0	297.4	1	
2	55	-1500	-8	-12	0	-1	12	27.9	8.9	1.0	0.0	36.8	1	
7	55	-1498	-8	-12	0	-1	11	27.8	8.9	1.1	0.0	36.7	1	
8	55	-2471	-5	9	0	16	10	45.9	11.4	0.8	0.0	57.4	1	
1A	111	-10376	-52	184	0	91	-26	192.9	43.1	15.6	0.0	236.0	1	
1B	111	-10376	53	184	0	91	35	192.9	49.6	15.6	0.0	242.5	1	
1C	111	-10376	-52	-92	0	-56	-26	192.9	34.1	7.8	0.0	226.9	1	
1D	111	-10376	53	-92	0	-56	35	192.9	40.6	7.8	0.0	233.4	1	
1E	111	3058	-52	184	0	91	-26	56.8	43.1	15.6	0.0	100.0	1	
1F	111	3058	53	184	0	91	35	56.8	49.6	15.6	0.0	106.5	1	
1G	111	3058	-52	-92	0	-56	-26	56.8	34.1	7.8	0.0	90.9	1	
1H	111	3058	53	-92	0	-56	35	56.8	40.6	7.8	0.0	97.4	1	
1I	111	-18423	-26	312	0	209	21	342.4	69.8	26.4	0.0	412.3	1	
1J	111	-18423	28	312	0	209	-13	342.4	63.3	26.4	0.0	405.8	1	
1K	111	-18423	-26	-220	0	-174	21	342.4	60.8	18.6	0.0	403.2	1	
1L	111	-18423	28	-220	0	-174	-13	342.4	54.3	18.6	0.0	396.7	1	
1M	111	11105	-26	312	0	209	21	206.4	69.8	26.4	0.0	276.3	1	
1N	111	11105	28	312	0	209	-13	206.4	63.3	26.4	0.0	269.7	1	
1O	111	11105	-26	-220	0	-174	21	206.4	60.8	18.6	0.0	267.2	1	
1P	111	11105	28	-220	0	-174	-13	206.4	54.3	18.6	0.0	260.7	1	
2	111	-1470	-8	-12	0	6	7	27.3	6.9	1.0	0.0	34.2	1	
7	111	-1467	-8	-12	0	6	7	27.3	6.8	1.1	0.0	34.0	1	
8	111	-2441	-5	9	0	11	7	45.4	7.9	0.8	0.0	53.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10423	211	17	23	23	14	1.03	1.00	266.6	
1B	-10423	211	14	23	23	14	1.03	1.00	264.6	
1C	-10423	115	17	23	23	14	1.03	1.00	241.7	
1D	-10423	115	14	23	23	14	1.03	1.00	239.7	

1E	3058	211	17	23	23	14	1.00	1.00	123.7
1F	3058	211	14	23	23	14	1.00	1.00	121.7
1G	3058	115	17	23	23	14	1.00	1.00	98.9
1H	3058	115	14	23	23	14	1.00	1.00	96.9
1I	-18470	416	30	23	23	14	1.03	1.00	483.3
1J	-18470	416	22	23	23	14	1.03	1.00	477.7
1K	-18470	319	30	23	23	14	1.03	1.00	458.5
1L	-18470	319	22	23	23	14	1.03	1.00	452.8
1M	11105	416	30	23	23	14	1.00	1.00	335.6
1N	11105	416	22	23	23	14	1.00	1.00	330.0
1O	11105	319	30	23	23	14	1.00	1.00	310.8
1P	11105	319	22	23	23	14	1.00	1.00	305.2
2	-1531	3	13	23	23	14	1.03	1.00	39.5
7	-1528	3	12	23	23	14	1.03	1.00	39.3
8	-2501	17	10	23	23	14	1.03	1.00	60.0

ASTA NUM. 346 NI 354 NF 355 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6088	-118	93	0	177	31	113.2	68.4	7.9	0.0	181.5	1	
1B	0	-6088	117	93	0	177	-21	113.2	61.5	7.9	0.0	174.6	1	
1C	0	-6088	-118	-224	0	-150	31	113.2	61.5	19.0	0.0	174.7	1	
1D	0	-6088	117	-224	0	-150	-21	113.2	54.6	19.0	0.0	167.7	1	
1E	0	-1634	-118	93	0	177	31	30.4	68.4	7.9	0.0	98.8	1	
1F	0	-1634	117	93	0	177	-21	30.4	61.5	7.9	0.0	91.8	1	
1G	0	-1634	-118	-224	0	-150	31	30.4	61.5	19.0	0.0	91.9	1	
1H	0	-1634	117	-224	0	-150	-21	30.4	54.6	19.0	0.0	85.0	1	
1I	0	-9894	-89	214	0	366	32	183.9	118.0	18.1	0.0	301.9	1	
1J	0	-9894	88	214	0	366	-23	183.9	111.1	18.1	0.0	295.0	1	
1K	0	-9894	-89	-345	0	-339	32	183.9	111.1	29.2	0.0	295.1	1	
1L	0	-9894	88	-345	0	-339	-23	183.9	104.2	29.2	0.0	288.1	1	
1M	0	2172	-89	214	0	366	32	40.4	118.0	18.1	0.0	158.4	1	
1N	0	2172	88	214	0	366	-23	40.4	111.1	18.1	0.0	151.5	1	
1O	0	2172	-89	-345	0	-339	32	40.4	111.1	29.2	0.0	151.5	1	
1P	0	2172	88	-345	0	-339	-23	40.4	104.2	29.2	0.0	144.6	1	
2	0	-3971	-14	-148	0	-40	11	73.8	18.6	12.5	0.0	92.4	1	
7	0	-3971	-13	-148	0	-40	11	73.8	18.5	12.5	0.0	92.3	1	
8	0	-4278	-10	-129	0	-23	10	79.5	13.3	11.0	0.0	92.9	1	
1A	55	-6064	-118	93	0	106	-46	112.7	61.9	7.9	0.0	174.6	1	
1B	55	-6064	117	93	0	106	55	112.7	68.3	7.9	0.0	181.0	1	
1C	55	-6064	-118	-224	0	-7	-46	112.7	36.4	19.0	0.0	149.1	1	
1D	55	-6064	117	-224	0	-7	55	112.7	42.8	19.0	0.0	155.5	1	
1E	55	-1611	-118	93	0	106	-46	29.9	61.9	7.9	0.0	91.8	1	
1F	55	-1611	117	93	0	106	55	29.9	68.3	7.9	0.0	98.2	1	
1G	55	-1611	-118	-224	0	-7	-46	29.9	36.4	19.0	0.0	66.3	1	
1H	55	-1611	117	-224	0	-7	55	29.9	42.8	19.0	0.0	72.8	1	
1I	55	-9871	-89	214	0	257	-21	183.5	81.8	18.1	0.0	265.3	1	
1J	55	-9871	88	214	0	257	30	183.5	88.3	18.1	0.0	271.7	1	
1K	55	-9871	-89	-345	0	-158	-21	183.5	56.3	29.2	0.0	239.8	1	
1L	55	-9871	88	-345	0	-158	30	183.5	62.8	29.2	0.0	246.3	1	
1M	55	2196	-89	214	0	257	-21	40.8	81.8	18.1	0.0	122.6	1	
1N	55	2196	88	214	0	257	30	40.8	88.3	18.1	0.0	129.1	1	
1O	55	2196	-89	-345	0	-158	-21	40.8	56.3	29.2	0.0	97.2	1	
1P	55	2196	88	-345	0	-158	30	40.8	62.8	29.2	0.0	103.6	1	
2	55	-3940	-14	-148	0	42	4	73.2	13.5	12.5	0.0	86.7	1	
7	55	-3940	-13	-148	0	42	4	73.2	13.4	12.5	0.0	86.7	1	
8	55	-4248	-10	-129	0	48	4	78.9	15.6	11.0	0.0	94.5	1	
1A	111	-6041	-118	93	0	36	-123	112.3	101.1	7.9	0.0	213.3	1	
1B	111	-6041	117	93	0	36	131	112.3	107.0	7.9	0.0	219.3	1	
1C	111	-6041	-118	-224	0	136	-123	112.3	126.8	19.0	0.0	239.1	1	
1D	111	-6041	117	-224	0	136	131	112.3	132.8	19.0	0.0	245.1	1	
1E	111	-1587	-118	93	0	36	-123	29.5	101.1	7.9	0.0	130.6	1	
1F	111	-1587	117	93	0	36	131	29.5	107.0	7.9	0.0	136.5	1	
1G	111	-1587	-118	-224	0	136	-123	29.5	126.8	19.0	0.0	156.3	1	
1H	111	-1587	117	-224	0	136	131	29.5	132.8	19.0	0.0	162.3	1	
1I	111	-9847	-89	214	0	148	-74	183.0	93.4	18.1	0.0	276.4	1	
1J	111	-9847	88	214	0	148	82	183.0	99.3	18.1	0.0	282.4	1	
1K	111	-9847	-89	-345	0	24	-74	183.0	61.4	29.2	0.0	244.5	1	
1L	111	-9847	88	-345	0	24	82	183.0	67.4	29.2	0.0	250.5	1	
1M	111	2219	-89	214	0	148	-74	41.3	93.4	18.1	0.0	134.6	1	
1N	111	2219	88	214	0	148	82	41.3	99.3	18.1	0.0	140.6	1	
1O	111	2219	-89	-345	0	24	-74	41.3	61.4	29.2	0.0	102.7	1	
1P	111	2219	88	-345	0	24	82	41.3	67.4	29.2	0.0	108.7	1	
2	111	-3910	-14	-148	0	124	-4	72.7	34.7	12.5	0.0	107.4	1	
7	111	-3910	-13	-148	0	124	-4	72.7	34.6	12.5	0.0	107.3	1	
8	111	-4217	-10	-129	0	120	-1	78.4	31.9	11.0	0.0	110.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6088	120	61	23	23	14	1.03	1.00	193.7	
1B	-6088	120	70	23	23	14	1.03	1.00	200.1	
1C	-6088	60	61	23	23	14	1.03	1.00	178.1	
1D	-6088	60	70	23	23	14	1.03	1.00	184.5	
1E	-1634	120	61	23	23	14	1.03	1.00	108.3	

1F	-1634	120	70	23	23	14	1.03	1.00	114.7
1G	-1634	60	61	23	23	14	1.03	1.00	92.8
1H	-1634	60	70	23	23	14	1.03	1.00	99.1
1I	-9894	279	32	23	23	14	1.03	1.00	285.0
1J	-9894	279	40	23	23	14	1.03	1.00	291.4
1K	-9894	194	32	23	23	14	1.03	1.00	263.2
1L	-9894	194	40	23	23	14	1.03	1.00	269.6
1M	2219	279	32	23	23	14	1.00	1.00	136.6
1N	2219	279	40	23	23	14	1.00	1.00	143.0
1O	2219	194	32	23	23	14	1.00	1.00	114.8
1P	2219	194	40	23	23	14	1.00	1.00	121.2
2	-3971	58	5	23	23	14	1.03	1.00	94.9
7	-3971	58	5	23	23	14	1.03	1.00	94.8
8	-4278	63	5	23	23	14	1.03	1.00	102.0

ASTA NUM. 347 NI 355 NF 356 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5899	-221	241	0	166	124	109.6	135.3	20.5	0.0	245.0	1	
1B	0	-5899	213	241	0	166	-113	109.6	127.2	20.5	0.0	236.8	1	
1C	0	-5899	-221	-434	0	4	124	109.6	93.5	36.8	0.0	203.2	1	
1D	0	-5899	213	-434	0	4	-113	109.6	85.4	36.8	0.0	195.1	1	
1E	0	-1723	-221	241	0	166	124	32.0	135.3	20.5	0.0	167.3	1	
1F	0	-1723	213	241	0	166	-113	32.0	127.2	20.5	0.0	159.2	1	
1G	0	-1723	-221	-434	0	4	124	32.0	93.5	36.8	0.0	125.6	1	
1H	0	-1723	213	-434	0	4	-113	32.0	85.4	36.8	0.0	117.4	1	
1I	0	-9305	-195	389	0	281	71	173.0	125.8	33.0	0.0	298.8	1	
1J	0	-9305	187	389	0	281	-61	173.0	117.7	33.0	0.0	290.7	1	
1K	0	-9305	-195	-582	0	-111	71	173.0	82.0	49.4	0.0	254.9	1	
1L	0	-9305	187	-582	0	-111	-61	173.0	73.9	49.4	0.0	246.8	1	
1M	0	1683	-195	389	0	281	71	31.3	125.8	33.0	0.0	157.1	1	
1N	0	1683	187	389	0	281	-61	31.3	117.7	33.0	0.0	149.0	1	
1O	0	1683	-195	-582	0	-111	71	31.3	82.0	49.4	0.0	113.3	1	
1P	0	1683	187	-582	0	-111	-61	31.3	73.9	49.4	0.0	105.2	1	
2	0	-4033	-19	-209	0	91	-0	75.0	23.7	17.7	0.0	99.7	3	
7	0	-4033	-18	-211	0	91	-0	75.0	23.7	17.9	0.0	99.8	3	
8	0	-4302	-16	-184	0	97	2	80.0	26.2	15.6	0.0	106.2	1	
1A	55	-5876	-221	241	0	27	240	109.2	186.7	20.5	0.0	295.9	1	
1B	55	-5876	213	241	0	27	-234	109.2	181.9	20.5	0.0	291.1	1	
1C	55	-5876	-221	-434	0	250	240	109.2	244.0	36.8	0.0	353.2	1	
1D	55	-5876	213	-434	0	250	-234	109.2	239.2	36.8	0.0	348.4	1	
1E	55	-1700	-221	241	0	27	240	31.6	186.7	20.5	0.0	218.3	1	
1F	55	-1700	213	241	0	27	-234	31.6	181.9	20.5	0.0	213.4	1	
1G	55	-1700	-221	-434	0	250	240	31.6	244.0	36.8	0.0	275.6	1	
1H	55	-1700	213	-434	0	250	-234	31.6	239.2	36.8	0.0	270.7	1	
1I	55	-9281	-195	389	0	64	174	172.5	146.8	33.0	0.0	319.4	1	
1J	55	-9281	187	389	0	64	-168	172.5	142.0	33.0	0.0	314.5	1	
1K	55	-9281	-195	-582	0	213	174	172.5	185.3	49.4	0.0	357.8	1	
1L	55	-9281	187	-582	0	213	-168	172.5	180.5	49.4	0.0	353.0	1	
1M	55	1706	-195	389	0	64	174	31.7	146.8	33.0	0.0	178.6	1	
1N	55	1706	187	389	0	64	-168	31.7	142.0	33.0	0.0	173.7	1	
1O	55	1706	-195	-582	0	213	174	31.7	185.3	49.4	0.0	217.0	1	
1P	55	1706	187	-582	0	213	-168	31.7	180.5	49.4	0.0	212.2	1	
2	55	-4002	-19	-209	0	207	-11	74.4	61.3	17.7	0.0	135.7	1	
7	55	-4002	-18	-211	0	208	-10	74.4	61.2	17.9	0.0	135.6	1	
8	55	-4272	-16	-184	0	199	-7	79.4	56.3	15.6	0.0	135.7	1	
1A	111	-5852	-221	241	0	-112	356	108.8	295.6	20.5	0.0	404.4	1	
1B	111	-5852	213	241	0	-112	-354	108.8	294.1	20.5	0.0	402.9	1	
1C	111	-5852	-221	-434	0	496	356	108.8	394.4	36.8	0.0	503.2	1	
1D	111	-5852	213	-434	0	496	-354	108.8	392.9	36.8	0.0	501.7	1	
1E	111	-1676	-221	241	0	-112	356	31.2	295.6	20.5	0.0	326.8	1	
1F	111	-1676	213	241	0	-112	-354	31.2	294.1	20.5	0.0	325.2	1	
1G	111	-1676	-221	-434	0	496	356	31.2	394.4	36.8	0.0	425.6	1	
1H	111	-1676	213	-434	0	496	-354	31.2	392.9	36.8	0.0	424.0	1	
1I	111	-9258	-195	389	0	-154	277	172.1	247.0	33.0	0.0	419.1	1	
1J	111	-9258	187	389	0	-154	-275	172.1	245.5	33.0	0.0	417.5	1	
1K	111	-9258	-195	-582	0	538	277	172.1	345.8	49.4	0.0	517.9	1	
1L	111	-9258	187	-582	0	538	-275	172.1	344.3	49.4	0.0	516.3	1	
1M	111	1730	-195	389	0	-154	277	32.2	247.0	33.0	0.0	279.1	1	
1N	111	1730	187	389	0	-154	-275	32.2	245.5	33.0	0.0	277.6	1	
1O	111	1730	-195	-582	0	538	277	32.2	345.8	49.4	0.0	377.9	1	
1P	111	1730	187	-582	0	538	-275	32.2	344.3	49.4	0.0	376.4	1	
2	111	-3972	-19	-209	0	323	-21	73.8	99.0	17.7	0.0	172.8	1	
7	111	-3972	-18	-211	0	324	-20	73.8	98.7	17.9	0.0	172.6	1	
8	111	-4242	-16	-184	0	300	-16	78.8	89.0	15.6	0.0	167.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5899	67	263	23	23	14	1.03	1.00	327.7	
1B	-5899	67	258	23	23	14	1.03	1.00	323.6	
1C	-5899	299	263	23	23	14	1.03	1.00	387.6	
1D	-5899	299	258	23	23	14	1.03	1.00	383.5	
1E	-1723	67	263	23	23	14	1.03	1.00	247.4	
1F	-1723	67	258	23	23	14	1.03	1.00	243.2	

1G	-1723	299	263	23	23	14	1.03	1.00	307.2
1H	-1723	299	258	23	23	14	1.03	1.00	303.1
1I	-9305	113	195	23	23	14	1.03	1.00	353.6
1J	-9305	113	189	23	23	14	1.03	1.00	349.4
1K	-9305	278	195	23	23	14	1.03	1.00	396.3
1L	-9305	278	189	23	23	14	1.03	1.00	392.1
1M	1730	113	195	23	23	14	1.00	1.00	206.9
1N	1730	113	189	23	23	14	1.00	1.00	202.8
1O	1730	278	195	23	23	14	1.00	1.00	249.6
1P	1730	278	189	23	23	14	1.00	1.00	245.4
2	-4033	230	13	23	23	14	1.03	1.00	146.1
7	-4033	231	12	23	23	14	1.03	1.00	146.0
8	-4302	219	9	23	23	14	1.03	1.00	145.3

ASTA NUM. 348 NI 341 NF 342 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13181	-12	248	0	482	28	245.0	145.0	21.0	0.0	390.0	1	
1B	0	-13181	10	248	0	482	-24	245.0	142.1	21.0	0.0	387.1	1	
1C	0	-13181	-12	-150	0	-365	28	245.0	115.1	12.7	0.0	360.1	1	
1D	0	-13181	10	-150	0	-365	-24	245.0	112.2	12.7	0.0	357.2	1	
1E	0	10951	-12	248	0	482	28	203.6	145.0	21.0	0.0	348.6	1	
1F	0	10951	10	248	0	482	-24	203.6	142.1	21.0	0.0	345.7	1	
1G	0	10951	-12	-150	0	-365	28	203.6	115.1	12.7	0.0	318.7	1	
1H	0	10951	10	-150	0	-365	-24	203.6	112.2	12.7	0.0	315.7	1	
1I	0	-29996	-26	261	0	940	34	557.6	267.6	22.1	0.0	825.1	1	
1J	0	-29996	24	261	0	940	-30	557.6	264.7	22.1	0.0	822.2	1	
1K	0	-29996	-26	-163	0	-824	34	557.6	237.7	13.9	0.0	795.2	1	
1L	0	-29996	24	-163	0	-824	-30	557.6	234.7	13.9	0.0	792.3	1	
1M	0	27766	-26	261	0	940	34	516.1	267.6	22.1	0.0	783.7	1	
1N	0	27766	24	261	0	940	-30	516.1	264.7	22.1	0.0	780.8	1	
1O	0	27766	-26	-163	0	-824	34	516.1	237.7	13.9	0.0	753.8	1	
1P	0	27766	24	-163	0	-824	-30	516.1	234.7	13.9	0.0	750.8	1	
2	0	-10280	-17	-82	0	-206	18	191.1	66.3	7.0	0.0	257.4	1	
7	0	-10290	-17	-82	0	-206	18	191.3	66.4	6.9	0.0	257.7	1	
8	0	-7676	-13	-38	0	-123	13	142.7	41.5	3.3	0.0	184.2	1	
1A	55	-13158	-12	248	0	369	23	244.6	112.0	21.0	0.0	356.5	1	
1B	55	-13158	10	248	0	369	-20	244.6	110.0	21.0	0.0	354.5	1	
1C	55	-13158	-12	-150	0	-307	23	244.6	95.9	12.7	0.0	340.5	1	
1D	55	-13158	10	-150	0	-307	-20	244.6	93.9	12.7	0.0	338.5	1	
1E	55	10974	-12	248	0	369	23	204.0	112.0	21.0	0.0	315.9	1	
1F	55	10974	10	248	0	369	-20	204.0	110.0	21.0	0.0	313.9	1	
1G	55	10974	-12	-150	0	-307	23	204.0	95.9	12.7	0.0	299.9	1	
1H	55	10974	10	-150	0	-307	-20	204.0	93.9	12.7	0.0	297.9	1	
1I	55	-29973	-26	261	0	804	21	557.1	222.3	22.1	0.0	779.5	1	
1J	55	-29973	24	261	0	804	-18	557.1	220.3	22.1	0.0	777.5	1	
1K	55	-29973	-26	-163	0	-741	21	557.1	206.3	13.9	0.0	763.4	1	
1L	55	-29973	24	-163	0	-741	-18	557.1	204.3	13.9	0.0	761.4	1	
1M	55	27790	-26	261	0	804	21	516.5	222.3	22.1	0.0	738.9	1	
1N	55	27790	24	261	0	804	-18	516.5	220.3	22.1	0.0	736.9	1	
1O	55	27790	-26	-163	0	-741	21	516.5	206.3	13.9	0.0	722.8	1	
1P	55	27790	24	-163	0	-741	-18	516.5	204.3	13.9	0.0	720.8	1	
2	55	-10245	-17	-28	0	-176	8	190.4	51.3	2.4	0.0	241.8	1	
7	55	-10260	-17	-28	0	-176	8	190.7	51.4	2.4	0.0	242.2	1	
8	55	-7646	-13	-0	0	-112	6	142.1	33.5	0.5	0.0	175.6	1	
1A	111	-13134	-12	248	0	257	17	244.1	78.9	21.0	0.0	323.0	1	
1B	111	-13134	10	248	0	257	-16	244.1	77.8	21.0	0.0	322.0	1	
1C	111	-13134	-12	-150	0	-249	17	244.1	76.7	12.7	0.0	320.8	1	
1D	111	-13134	10	-150	0	-249	-16	244.1	75.7	12.7	0.0	319.8	1	
1E	111	10998	-12	248	0	257	17	204.4	78.9	21.0	0.0	283.3	1	
1F	111	10998	10	248	0	257	-16	204.4	77.8	21.0	0.0	282.2	1	
1G	111	10998	-12	-150	0	-249	17	204.4	76.7	12.7	0.0	281.1	1	
1H	111	10998	10	-150	0	-249	-16	204.4	75.7	12.7	0.0	280.1	1	
1I	111	-29949	-26	261	0	667	7	556.7	177.1	22.1	0.0	733.8	1	
1J	111	-29949	24	261	0	667	-6	556.7	176.0	22.1	0.0	732.7	1	
1K	111	-29949	-26	-163	0	-658	7	556.7	174.9	13.9	0.0	731.6	1	
1L	111	-29949	24	-163	0	-658	-6	556.7	173.9	13.9	0.0	730.5	1	
1M	111	27813	-26	261	0	667	7	517.0	177.1	22.1	0.0	694.1	1	
1N	111	27813	24	261	0	667	-6	517.0	176.0	22.1	0.0	693.0	1	
1O	111	27813	-26	-163	0	-658	7	517.0	174.9	13.9	0.0	691.9	1	
1P	111	27813	24	-163	0	-658	-6	517.0	173.9	13.9	0.0	690.8	1	
2	111	-10210	-17	26	0	-175	-1	189.8	46.1	2.2	0.0	235.9	1	
7	111	-10230	-17	26	0	-176	-1	190.1	46.2	2.2	0.0	236.4	1	
8	111	-7615	-13	37	0	-122	-1	141.5	32.0	3.2	0.0	173.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13181	392	24	23	23	14	1.03	1.00	371.3	
1B	-13181	392	21	23	23	14	1.03	1.00	369.1	
1C	-13181	319	24	23	23	14	1.03	1.00	352.4	
1D	-13181	319	21	23	23	14	1.03	1.00	350.2	
1E	10998	392	24	23	23	14	1.00	1.00	323.0	
1F	10998	392	21	23	23	14	1.00	1.00	320.8	
1G	10998	319	24	23	23	14	1.00	1.00	304.2	

1H	10998	319	21	23	23	14	1.00	1.00	302.0
1I	-29996	831	23	23	23	14	1.03	1.00	807.1
1J	-29996	831	21	23	23	14	1.03	1.00	804.8
1K	-29996	758	23	23	23	14	1.03	1.00	788.1
1L	-29996	758	21	23	23	14	1.03	1.00	785.9
1M	27813	831	23	23	23	14	1.00	1.00	748.4
1N	27813	831	21	23	23	14	1.00	1.00	746.2
1O	27813	758	23	23	23	14	1.00	1.00	729.5
1P	27813	758	21	23	23	14	1.00	1.00	727.4
2	-10280	194	10	23	23	14	1.03	1.00	254.4
7	-10290	194	10	23	23	14	1.03	1.00	254.6
8	-7676	122	8	23	23	14	1.03	1.00	184.3

ASTA NUM. 349 NI 342 NF 343 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12060	-19	56	0	328	22	224.2	100.7	4.7	0.0	324.8	1	
1B	0	-12060	20	56	0	328	-20	224.2	98.9	4.7	0.0	323.1	1	
1C	0	-12060	-19	-180	0	-330	22	224.2	101.3	15.3	0.0	325.5	1	
1D	0	-12060	20	-180	0	-330	-20	224.2	99.6	15.3	0.0	323.8	1	
1E	0	9792	-19	56	0	328	22	182.0	100.7	4.7	0.0	282.7	1	
1F	0	9792	20	56	0	328	-20	182.0	98.9	4.7	0.0	280.9	1	
1G	0	9792	-19	-180	0	-330	22	182.0	101.3	15.3	0.0	283.3	1	
1H	0	9792	20	-180	0	-330	-20	182.0	99.6	15.3	0.0	281.6	1	
1I	0	-29136	-29	176	0	828	11	541.6	221.1	14.9	0.0	762.7	1	
1J	0	-29136	29	176	0	828	-9	541.6	219.4	14.9	0.0	760.9	1	
1K	0	-29136	-29	-300	0	-830	11	541.6	221.8	25.4	0.0	763.3	1	
1L	0	-29136	29	-300	0	-830	-9	541.6	220.0	25.4	0.0	761.6	1	
1M	0	26868	-29	176	0	828	11	499.4	221.1	14.9	0.0	720.5	1	
1N	0	26868	29	176	0	828	-9	499.4	219.4	14.9	0.0	718.8	1	
1O	0	26868	-29	-300	0	-830	11	499.4	221.8	25.4	0.0	721.2	1	
1P	0	26868	29	-300	0	-830	-9	499.4	220.0	25.4	0.0	719.4	1	
2	0	-9967	11	-230	0	-253	1	185.3	65.7	19.5	0.0	251.0	1	
7	0	-9983	11	-230	0	-254	1	185.6	65.8	19.5	0.0	251.4	1	
8	0	-7465	8	-186	0	-179	1	138.8	46.8	15.7	0.0	185.5	1	
1A	55	-12037	-19	56	0	323	5	223.7	86.7	4.7	0.0	310.4	1	
1B	55	-12037	20	56	0	323	-2	223.7	84.6	4.7	0.0	308.3	1	
1C	55	-12037	-19	-180	0	-257	5	223.7	69.6	15.3	0.0	293.4	1	
1D	55	-12037	20	-180	0	-257	-2	223.7	67.6	15.3	0.0	291.3	1	
1E	55	9815	-19	56	0	323	5	182.4	86.7	4.7	0.0	269.1	1	
1F	55	9815	20	56	0	323	-2	182.4	84.6	4.7	0.0	267.0	1	
1G	55	9815	-19	-180	0	-257	5	182.4	69.6	15.3	0.0	252.1	1	
1H	55	9815	20	-180	0	-257	-2	182.4	67.6	15.3	0.0	250.0	1	
1I	55	-29114	-29	176	0	739	-7	541.1	195.3	14.9	0.0	736.5	1	
1J	55	-29114	29	176	0	739	10	541.1	197.4	14.9	0.0	738.5	1	
1K	55	-29114	-29	-300	0	-672	-7	541.1	178.3	25.4	0.0	719.5	1	
1L	55	-29114	29	-300	0	-672	10	541.1	180.4	25.4	0.0	721.5	1	
1M	55	26892	-29	176	0	739	-7	499.8	195.3	14.9	0.0	695.2	1	
1N	55	26892	29	176	0	739	10	499.8	197.4	14.9	0.0	697.2	1	
1O	55	26892	-29	-300	0	-672	-7	499.8	178.3	25.4	0.0	678.1	1	
1P	55	26892	29	-300	0	-672	10	499.8	180.4	25.4	0.0	680.2	1	
2	55	-9937	11	-176	0	-141	7	184.7	41.3	14.9	0.0	226.0	1	
7	55	-9952	11	-176	0	-141	7	185.0	41.4	14.9	0.0	226.4	1	
8	55	-7434	8	-148	0	-87	5	138.2	26.3	12.5	0.0	164.4	1	
1A	111	-12014	-19	56	0	319	-13	223.3	91.7	4.7	0.0	315.0	1	
1B	111	-12014	20	56	0	319	16	223.3	94.1	4.7	0.0	317.4	1	
1C	111	-12014	-19	-180	0	-184	-13	223.3	57.0	15.3	0.0	280.3	1	
1D	111	-12014	20	-180	0	-184	16	223.3	59.4	15.3	0.0	282.7	1	
1E	111	9838	-19	56	0	319	-13	182.9	91.7	4.7	0.0	274.6	1	
1F	111	9838	20	56	0	319	16	182.9	94.1	4.7	0.0	276.9	1	
1G	111	9838	-19	-180	0	-184	-13	182.9	57.0	15.3	0.0	239.9	1	
1H	111	9838	20	-180	0	-184	16	182.9	59.4	15.3	0.0	242.2	1	
1I	111	-29090	-29	176	0	649	-25	540.7	185.8	14.9	0.0	726.5	1	
1J	111	-29090	29	176	0	649	28	540.7	188.1	14.9	0.0	728.9	1	
1K	111	-29090	-29	-300	0	-515	-25	540.7	151.1	25.4	0.0	691.8	1	
1L	111	-29090	29	-300	0	-515	28	540.7	153.4	25.4	0.0	694.1	1	
1M	111	26914	-29	176	0	649	-25	500.3	185.8	14.9	0.0	686.1	1	
1N	111	26914	29	176	0	649	28	500.3	188.1	14.9	0.0	688.4	1	
1O	111	26914	-29	-300	0	-515	-25	500.3	151.1	25.4	0.0	651.3	1	
1P	111	26914	29	-300	0	-515	28	500.3	153.4	25.4	0.0	653.7	1	
2	111	-9907	11	-122	0	-58	13	184.1	24.6	10.3	0.0	208.8	1	
7	111	-9922	11	-122	0	-59	13	184.4	24.7	10.3	0.0	209.1	1	
8	111	-7404	8	-110	0	-15	10	137.6	11.1	9.3	0.0	148.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12060	324	9	23	23	14	1.03	1.00	321.1	
1B	-12060	324	8	23	23	14	1.03	1.00	320.4	
1C	-12060	272	9	23	23	14	1.03	1.00	307.6	
1D	-12060	272	8	23	23	14	1.03	1.00	306.9	
1E	9838	324	9	23	23	14	1.00	1.00	272.9	
1F	9838	324	8	23	23	14	1.00	1.00	272.2	
1G	9838	272	9	23	23	14	1.00	1.00	259.4	
1H	9838	272	8	23	23	14	1.00	1.00	258.7	

1I	-29136	756	11	23	23	14	1.03	1.00	761.5
1J	-29136	756	13	23	23	14	1.03	1.00	763.7
1K	-29136	704	11	23	23	14	1.03	1.00	748.0
1L	-29136	704	13	23	23	14	1.03	1.00	750.1
1M	26914	756	11	23	23	14	1.00	1.00	702.9
1N	26914	756	13	23	23	14	1.00	1.00	705.0
1O	26914	704	11	23	23	14	1.00	1.00	689.4
1P	26914	704	13	23	23	14	1.00	1.00	691.5
2	-9967	175	8	23	23	14	1.03	1.00	242.0
7	-9983	176	8	23	23	14	1.03	1.00	242.4
8	-7465	113	6	23	23	14	1.03	1.00	176.8

ASTA NUM. 350 NI 343 NF 344 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8230	-11	228	0	408	16	153.0	116.9	19.3	0.0	269.9	1	
1B	0	-8230	9	228	0	408	-12	153.0	113.6	19.3	0.0	266.6	1	
1C	0	-8230	-11	-135	0	-284	16	153.0	85.1	11.5	0.0	238.0	1	
1D	0	-8230	9	-135	0	-284	-12	153.0	81.8	11.5	0.0	234.8	1	
1E	0	6476	-11	228	0	408	16	120.4	116.9	19.3	0.0	237.3	1	
1F	0	6476	9	228	0	408	-12	120.4	113.6	19.3	0.0	234.0	1	
1G	0	6476	-11	-135	0	-284	16	120.4	85.1	11.5	0.0	205.5	1	
1H	0	6476	9	-135	0	-284	-12	120.4	81.8	11.5	0.0	202.2	1	
1I	0	-20118	-19	333	0	812	24	373.9	227.0	28.2	0.0	600.9	1	
1J	0	-20118	17	333	0	812	-20	373.9	223.7	28.2	0.0	597.7	1	
1K	0	-20118	-19	-240	0	-688	24	373.9	195.2	20.4	0.0	569.1	1	
1L	0	-20118	17	-240	0	-688	-20	373.9	191.9	20.4	0.0	565.9	1	
1M	0	18364	-19	333	0	812	24	341.3	227.0	28.2	0.0	568.4	1	
1N	0	18364	17	333	0	812	-20	341.3	223.7	28.2	0.0	565.1	1	
1O	0	18364	-19	-240	0	-688	24	341.3	195.2	20.4	0.0	536.5	1	
1P	0	18364	17	-240	0	-688	-20	341.3	191.9	20.4	0.0	533.3	1	
2	0	-6107	-9	-96	0	-128	14	113.5	43.2	8.1	0.0	156.7	1	
7	0	-6119	-9	-96	0	-128	14	113.7	43.3	8.1	0.0	157.0	1	
8	0	-4650	-7	-49	0	-66	11	86.4	24.9	4.2	0.0	111.4	1	
1A	55	-8206	-11	228	0	287	12	152.5	82.5	19.3	0.0	235.1	1	
1B	55	-8206	9	228	0	287	-8	152.5	80.0	19.3	0.0	232.6	1	
1C	55	-8206	-11	-135	0	-215	12	152.5	63.9	11.5	0.0	216.5	1	
1D	55	-8206	9	-135	0	-215	-8	152.5	61.4	11.5	0.0	214.0	1	
1E	55	6500	-11	228	0	287	12	120.8	82.5	19.3	0.0	203.3	1	
1F	55	6500	9	228	0	287	-8	120.8	80.0	19.3	0.0	200.8	1	
1G	55	6500	-11	-135	0	-215	12	120.8	63.9	11.5	0.0	184.8	1	
1H	55	6500	9	-135	0	-215	-8	120.8	61.4	11.5	0.0	182.3	1	
1I	55	-20094	-19	333	0	629	15	373.5	172.8	28.2	0.0	546.3	1	
1J	55	-20094	17	333	0	629	-11	373.5	170.3	28.2	0.0	543.8	1	
1K	55	-20094	-19	-240	0	-557	15	373.5	154.2	20.4	0.0	527.7	1	
1L	55	-20094	17	-240	0	-557	-11	373.5	151.7	20.4	0.0	525.2	1	
1M	55	18388	-19	333	0	629	15	341.8	172.8	28.2	0.0	514.6	1	
1N	55	18388	17	333	0	629	-11	341.8	170.3	28.2	0.0	512.1	1	
1O	55	18388	-19	-240	0	-557	15	341.8	154.2	20.4	0.0	496.0	1	
1P	55	18388	17	-240	0	-557	-11	341.8	151.7	20.4	0.0	493.5	1	
2	55	-6077	-9	-41	0	-90	9	113.0	29.6	3.5	0.0	142.6	1	
7	55	-6088	-9	-41	0	-90	9	113.2	29.7	3.5	0.0	142.9	1	
8	55	-4620	-7	-11	0	-50	7	85.9	17.8	0.9	0.0	103.7	1	
1A	111	-8183	-11	228	0	166	7	152.1	48.2	19.3	0.0	200.3	1	
1B	111	-8183	9	228	0	166	-5	152.1	46.4	19.3	0.0	198.5	1	
1C	111	-8183	-11	-135	0	-145	7	152.1	42.8	11.5	0.0	194.9	1	
1D	111	-8183	9	-135	0	-145	-5	152.1	41.1	11.5	0.0	193.2	1	
1E	111	6523	-11	228	0	166	7	121.2	48.2	19.3	0.0	169.4	1	
1F	111	6523	9	228	0	166	-5	121.2	46.4	19.3	0.0	167.7	1	
1G	111	6523	-11	-135	0	-145	7	121.2	42.8	11.5	0.0	164.1	1	
1H	111	6523	9	-135	0	-145	-5	121.2	41.1	11.5	0.0	162.3	1	
1I	111	-20071	-19	333	0	446	5	373.1	118.6	28.2	0.0	491.6	1	
1J	111	-20071	17	333	0	446	-3	373.1	116.8	28.2	0.0	489.9	1	
1K	111	-20071	-19	-240	0	-426	5	373.1	113.2	20.4	0.0	486.3	1	
1L	111	-20071	17	-240	0	-426	-3	373.1	111.5	20.4	0.0	484.6	1	
1M	111	18411	-19	333	0	446	5	342.2	118.6	28.2	0.0	460.8	1	
1N	111	18411	17	333	0	446	-3	342.2	116.8	28.2	0.0	459.1	1	
1O	111	18411	-19	-240	0	-426	5	342.2	113.2	20.4	0.0	455.4	1	
1P	111	18411	17	-240	0	-426	-3	342.2	111.5	20.4	0.0	453.7	1	
2	111	-6047	-9	13	0	-82	4	112.4	23.7	1.1	0.0	136.1	1	
7	111	-6058	-9	13	0	-82	4	112.6	23.8	1.1	0.0	136.4	1	
8	111	-4590	-7	27	0	-54	3	85.3	16.1	2.3	0.0	101.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8230	311	13	23	23	14	1.03	1.00	247.1	
1B	-8230	311	9	23	23	14	1.03	1.00	244.4	
1C	-8230	229	13	23	23	14	1.03	1.00	225.8	
1D	-8230	229	9	23	23	14	1.03	1.00	223.2	
1E	6523	311	13	23	23	14	1.00	1.00	210.6	
1F	6523	311	9	23	23	14	1.00	1.00	208.0	
1G	6523	229	13	23	23	14	1.00	1.00	189.4	
1H	6523	229	9	23	23	14	1.00	1.00	186.8	
1I	-20118	666	17	23	23	14	1.03	1.00	569.5	

1J	-20118	666	13	23	23	14	1.03	1.00	566.8
1K	-20118	583	17	23	23	14	1.03	1.00	548.2
1L	-20118	583	13	23	23	14	1.03	1.00	545.5
1M	18411	666	17	23	23	14	1.00	1.00	525.8
1N	18411	666	13	23	23	14	1.00	1.00	523.2
1O	18411	583	17	23	23	14	1.00	1.00	504.6
1P	18411	583	13	23	23	14	1.00	1.00	502.0
2	-6107	110	10	23	23	14	1.03	1.00	152.4
7	-6119	110	10	23	23	14	1.03	1.00	152.7
8	-4650	61	7	23	23	14	1.03	1.00	110.4

ASTA NUM. 351 NI 344 NF 345 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-8106	-9	52	0	251	6	150.7	69.1	4.4	0.0	219.7	1	
1B	0	-8106	9	52	0	251	-3	150.7	66.6	4.4	0.0	217.2	1	
1C	0	-8106	-9	-175	0	-240	6	150.7	66.4	14.8	0.0	217.1	1	
1D	0	-8106	9	-175	0	-240	-3	150.7	64.0	14.8	0.0	214.6	1	
1E	0	6312	-9	52	0	251	6	117.3	69.1	4.4	0.0	186.4	1	
1F	0	6312	9	52	0	251	-3	117.3	66.6	4.4	0.0	183.9	1	
1G	0	6312	-9	-175	0	-240	6	117.3	66.4	14.8	0.0	183.8	1	
1H	0	6312	9	-175	0	-240	-3	117.3	64.0	14.8	0.0	181.3	1	
1I	0	-19585	-20	194	0	606	4	364.0	159.1	16.5	0.0	523.1	1	
1J	0	-19585	20	194	0	606	-1	364.0	156.6	16.5	0.0	520.6	1	
1K	0	-19585	-20	-317	0	-596	4	364.0	156.5	26.9	0.0	520.5	1	
1L	0	-19585	20	-317	0	-596	-1	364.0	154.0	26.9	0.0	518.0	1	
1M	0	17792	-20	194	0	606	4	330.7	159.1	16.5	0.0	489.8	1	
1N	0	17792	20	194	0	606	-1	330.7	156.6	16.5	0.0	487.3	1	
1O	0	17792	-20	-317	0	-596	4	330.7	156.5	26.9	0.0	487.2	1	
1P	0	17792	20	-317	0	-596	-1	330.7	154.0	26.9	0.0	484.7	1	
2	0	-5880	8	-213	0	-143	3	109.3	39.1	18.1	0.0	148.4	1	
7	0	-5890	8	-213	0	-144	3	109.5	39.2	18.1	0.0	148.7	1	
8	0	-4496	6	-173	0	-99	3	83.6	27.5	14.7	0.0	111.1	1	
1A	55	-8082	-9	52	0	227	-1	150.2	59.1	4.4	0.0	209.3	1	
1B	55	-8082	9	52	0	227	4	150.2	61.5	4.4	0.0	211.7	1	
1C	55	-8082	-9	-175	0	-148	-1	150.2	38.9	14.8	0.0	189.1	1	
1D	55	-8082	9	-175	0	-148	4	150.2	41.3	14.8	0.0	191.5	1	
1E	55	6336	-9	52	0	227	-1	117.8	59.1	4.4	0.0	176.8	1	
1F	55	6336	9	52	0	227	4	117.8	61.5	4.4	0.0	179.2	1	
1G	55	6336	-9	-175	0	-148	-1	117.8	38.9	14.8	0.0	156.7	1	
1H	55	6336	9	-175	0	-148	4	117.8	41.3	14.8	0.0	159.1	1	
1I	55	-19562	-20	194	0	500	14	363.6	139.2	16.5	0.0	502.8	1	
1J	55	-19562	20	194	0	500	-11	363.6	136.8	16.5	0.0	500.4	1	
1K	55	-19562	-20	-317	0	-422	14	363.6	119.0	26.9	0.0	482.6	1	
1L	55	-19562	20	-317	0	-422	-11	363.6	116.6	26.9	0.0	480.2	1	
1M	55	17815	-20	194	0	500	14	331.1	139.2	16.5	0.0	470.3	1	
1N	55	17815	20	194	0	500	-11	331.1	136.8	16.5	0.0	467.9	1	
1O	55	17815	-20	-317	0	-422	14	331.1	119.0	26.9	0.0	450.2	1	
1P	55	17815	20	-317	0	-422	-11	331.1	116.6	26.9	0.0	447.8	1	
2	55	-5850	8	-159	0	-40	7	108.7	15.9	13.5	0.0	124.6	1	
7	55	-5860	8	-159	0	-41	7	108.9	16.0	13.5	0.0	124.9	1	
8	55	-4466	6	-135	0	-14	6	83.0	7.8	11.5	0.0	90.8	1	
1A	111	-8059	-9	52	0	203	-8	149.8	58.2	4.4	0.0	208.0	1	
1B	111	-8059	9	52	0	203	11	149.8	60.5	4.4	0.0	210.3	1	
1C	111	-8059	-9	-175	0	-57	-8	149.8	20.5	14.8	0.0	170.3	1	
1D	111	-8059	9	-175	0	-57	11	149.8	22.8	14.8	0.0	172.6	1	
1E	111	6359	-9	52	0	203	-8	118.2	58.2	4.4	0.0	176.4	1	
1F	111	6359	9	52	0	203	11	118.2	60.5	4.4	0.0	178.7	1	
1G	111	6359	-9	-175	0	-57	-8	118.2	20.5	14.8	0.0	138.7	1	
1H	111	6359	9	-175	0	-57	11	118.2	22.8	14.8	0.0	141.0	1	
1I	111	-19538	-20	194	0	394	24	363.2	119.3	16.5	0.0	482.4	1	
1J	111	-19538	20	194	0	394	-21	363.2	117.0	16.5	0.0	480.1	1	
1K	111	-19538	-20	-317	0	-248	24	363.2	81.6	26.9	0.0	444.7	1	
1L	111	-19538	20	-317	0	-248	-21	363.2	79.3	26.9	0.0	442.5	1	
1M	111	17838	-20	194	0	394	24	331.6	119.3	16.5	0.0	450.8	1	
1N	111	17838	20	194	0	394	-21	331.6	117.0	16.5	0.0	448.5	1	
1O	111	17838	-20	-317	0	-248	24	331.6	81.6	26.9	0.0	413.2	1	
1P	111	17838	20	-317	0	-248	-21	331.6	79.3	26.9	0.0	410.9	1	
2	111	-5819	8	-105	0	32	12	108.2	17.1	8.9	0.0	125.2	1	
7	111	-5829	8	-105	0	32	12	108.3	17.1	8.9	0.0	125.5	1	
8	111	-4435	6	-98	0	51	9	82.4	19.7	8.3	0.0	102.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8106	232	3	23	23	14	1.03	1.00	217.3	
1B	-8106	232	6	23	23	14	1.03	1.00	219.0	
1C	-8106	167	3	23	23	14	1.03	1.00	200.6	
1D	-8106	167	6	23	23	14	1.03	1.00	202.3	
1E	6359	232	3	23	23	14	1.00	1.00	180.2	
1F	6359	232	6	23	23	14	1.00	1.00	181.9	
1G	6359	167	3	23	23	14	1.00	1.00	163.5	
1H	6359	167	6	23	23	14	1.00	1.00	165.3	
1I	-19585	521	16	23	23	14	1.03	1.00	521.6	
1J	-19585	521	13	23	23	14	1.03	1.00	519.2	

1K	-19585	457	16	23	23	14	1.03	1.00	504.9
1L	-19585	457	13	23	23	14	1.03	1.00	502.5
1M	17838	521	16	23	23	14	1.00	1.00	477.7
1N	17838	521	13	23	23	14	1.00	1.00	475.3
1O	17838	457	16	23	23	14	1.00	1.00	461.0
1P	17838	457	13	23	23	14	1.00	1.00	458.7
2	-5880	73	8	23	23	14	1.03	1.00	137.5
7	-5890	73	8	23	23	14	1.03	1.00	137.8
8	-4496	40	6	23	23	14	1.03	1.00	101.1

ASTA NUM. 352 NI 345 NF 346 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4267	-16	194	0	295	20	79.3	90.8	16.4	0.0	170.1	1	
1B	0	-4267	19	194	0	295	-16	79.3	88.1	16.4	0.0	167.4	1	
1C	0	-4267	-16	-104	0	-159	20	79.3	55.9	8.8	0.0	135.2	1	
1D	0	-4267	19	-104	0	-159	-16	79.3	53.1	8.8	0.0	132.4	1	
1E	0	2962	-16	194	0	295	20	55.1	90.8	16.4	0.0	145.9	1	
1F	0	2962	19	194	0	295	-16	55.1	88.1	16.4	0.0	143.1	1	
1G	0	2962	-16	-104	0	-159	20	55.1	55.9	8.8	0.0	110.9	1	
1H	0	2962	19	-104	0	-159	-16	55.1	53.1	8.8	0.0	108.2	1	
1I	0	-10776	-25	322	0	558	31	200.3	166.6	27.3	0.0	366.9	1	
1J	0	-10776	28	322	0	558	-27	200.3	163.8	27.3	0.0	364.1	1	
1K	0	-10776	-25	-232	0	-422	31	200.3	131.6	19.7	0.0	331.9	1	
1L	0	-10776	28	-232	0	-422	-27	200.3	128.9	19.7	0.0	329.2	1	
1M	0	9471	-25	322	0	558	31	176.0	166.6	27.3	0.0	342.6	1	
1N	0	9471	28	322	0	558	-27	176.0	163.8	27.3	0.0	339.9	1	
1O	0	9471	-25	-232	0	-422	31	176.0	131.6	19.7	0.0	307.7	1	
1P	0	9471	28	-232	0	-422	-27	176.0	128.9	19.7	0.0	304.9	1	
2	0	-2890	-2	-75	0	-22	9	53.7	12.4	6.4	0.0	66.1	1	
7	0	-2895	-2	-75	0	-23	9	53.8	12.5	6.4	0.0	66.3	1	
8	0	-2297	-1	-35	0	10	7	42.7	7.8	3.0	0.0	50.5	1	
1A	55	-4244	-16	194	0	192	6	78.9	54.0	16.4	0.0	132.9	1	
1B	55	-4244	19	194	0	192	-1	78.9	50.2	16.4	0.0	129.0	1	
1C	55	-4244	-16	-104	0	-105	6	78.9	31.8	8.8	0.0	110.7	1	
1D	55	-4244	19	-104	0	-105	-1	78.9	27.9	8.8	0.0	106.8	1	
1E	55	2985	-16	194	0	192	6	55.5	54.0	16.4	0.0	109.5	1	
1F	55	2985	19	194	0	192	-1	55.5	50.2	16.4	0.0	105.6	1	
1G	55	2985	-16	-104	0	-105	6	55.5	31.8	8.8	0.0	87.3	1	
1H	55	2985	19	-104	0	-105	-1	55.5	27.9	8.8	0.0	83.4	1	
1I	55	-10753	-25	322	0	381	15	199.9	109.2	27.3	0.0	309.1	1	
1J	55	-10753	28	322	0	381	-10	199.9	105.3	27.3	0.0	305.2	1	
1K	55	-10753	-25	-232	0	-295	15	199.9	87.0	19.7	0.0	286.8	1	
1L	55	-10753	28	-232	0	-295	-10	199.9	83.1	19.7	0.0	283.0	1	
1M	55	9494	-25	322	0	381	15	176.5	109.2	27.3	0.0	285.7	1	
1N	55	9494	28	322	0	381	-10	176.5	105.3	27.3	0.0	281.8	1	
1O	55	9494	-25	-232	0	-295	15	176.5	87.0	19.7	0.0	263.5	1	
1P	55	9494	28	-232	0	-295	-10	176.5	83.1	19.7	0.0	259.6	1	
2	55	-2860	-2	-21	0	4	8	53.2	7.1	1.8	0.0	60.2	1	
7	55	-2865	-2	-21	0	4	8	53.3	7.1	1.8	0.0	60.3	1	
8	55	-2266	-1	3	0	19	7	42.1	9.9	0.2	0.0	52.1	1	
1A	111	-4220	-16	194	0	88	-7	78.4	28.0	16.4	0.0	106.4	1	
1B	111	-4220	19	194	0	88	14	78.4	33.0	16.4	0.0	111.4	1	
1C	111	-4220	-16	-104	0	-51	-7	78.4	18.5	8.8	0.0	96.9	1	
1D	111	-4220	19	-104	0	-51	14	78.4	23.5	8.8	0.0	101.9	1	
1E	111	3009	-16	194	0	88	-7	55.9	28.0	16.4	0.0	83.9	1	
1F	111	3009	19	194	0	88	14	55.9	33.0	16.4	0.0	88.9	1	
1G	111	3009	-16	-104	0	-51	-7	55.9	18.5	8.8	0.0	74.4	1	
1H	111	3009	19	-104	0	-51	14	55.9	23.5	8.8	0.0	79.4	1	
1I	111	-10729	-25	322	0	204	-1	199.4	53.1	27.3	0.0	252.5	1	
1J	111	-10729	28	322	0	204	8	199.4	58.1	27.3	0.0	257.6	1	
1K	111	-10729	-25	-232	0	-167	-1	199.4	43.6	19.7	0.0	243.1	1	
1L	111	-10729	28	-232	0	-167	8	199.4	48.6	19.7	0.0	248.1	1	
1M	111	9518	-25	322	0	204	-1	176.9	53.1	27.3	0.0	230.0	1	
1N	111	9518	28	322	0	204	8	176.9	58.1	27.3	0.0	235.1	1	
1O	111	9518	-25	-232	0	-167	-1	176.9	43.6	19.7	0.0	220.5	1	
1P	111	9518	28	-232	0	-167	8	176.9	48.6	19.7	0.0	225.6	1	
2	111	-2829	-2	33	0	1	7	52.6	5.6	2.8	0.0	58.2	1	
7	111	-2835	-2	33	0	1	7	52.7	5.6	2.8	0.0	58.3	1	
8	111	-2236	-1	41	0	7	6	41.6	6.6	3.4	0.0	48.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4267	212	9	23	23	14	1.03	1.00	143.1	
1B	-4267	212	6	23	23	14	1.03	1.00	141.2	
1C	-4267	116	9	23	23	14	1.03	1.00	118.4	
1D	-4267	116	6	23	23	14	1.03	1.00	116.4	
1E	3009	212	9	23	23	14	1.00	1.00	117.3	
1F	3009	212	6	23	23	14	1.00	1.00	115.4	
1G	3009	116	9	23	23	14	1.00	1.00	92.6	
1H	3009	116	6	23	23	14	1.00	1.00	90.6	
1I	-10776	416	18	23	23	14	1.03	1.00	327.2	
1J	-10776	416	13	23	23	14	1.03	1.00	323.6	
1K	-10776	320	18	23	23	14	1.03	1.00	302.4	

1L	-10776	320	13	23	23	14	1.03	1.00	298.8
1M	9518	416	18	23	23	14	1.00	1.00	297.6
1N	9518	416	13	23	23	14	1.00	1.00	293.9
1O	9518	320	18	23	23	14	1.00	1.00	272.8
1P	9518	320	13	23	23	14	1.00	1.00	269.2
2	-2890	13	8	23	23	14	1.03	1.00	64.8
7	-2895	13	8	23	23	14	1.03	1.00	65.0
8	-2297	9	7	23	23	14	1.03	1.00	51.3

ASTA NUM. 353 NI 346 NF 347 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5651	-36	103	0	182	23	105.0	64.2	8.7	0.0	169.2	1	
1B	0	-5651	13	103	0	182	-16	105.0	58.9	8.7	0.0	164.0	1	
1C	0	-5651	-36	-262	0	-153	23	105.0	56.9	22.2	0.0	161.9	1	
1D	0	-5651	13	-262	0	-153	-16	105.0	51.6	22.2	0.0	156.7	1	
1E	0	4270	-36	103	0	182	23	79.4	64.2	8.7	0.0	143.5	1	
1F	0	4270	13	103	0	182	-16	79.4	58.9	8.7	0.0	138.3	1	
1G	0	4270	-36	-262	0	-153	23	79.4	56.9	22.2	0.0	136.2	1	
1H	0	4270	13	-262	0	-153	-16	79.4	51.6	22.2	0.0	131.0	1	
1I	0	-10634	-33	218	0	368	18	197.7	108.0	18.5	0.0	305.6	1	
1J	0	-10634	10	218	0	368	-11	197.7	102.8	18.5	0.0	300.4	1	
1K	0	-10634	-33	-377	0	-340	18	197.7	100.7	32.0	0.0	298.3	1	
1L	0	-10634	10	-377	0	-340	-11	197.7	95.5	32.0	0.0	293.1	1	
1M	0	9252	-33	218	0	368	18	172.0	108.0	18.5	0.0	280.0	1	
1N	0	9252	10	218	0	368	-11	172.0	102.8	18.5	0.0	274.7	1	
1O	0	9252	-33	-377	0	-340	18	172.0	100.7	32.0	0.0	272.7	1	
1P	0	9252	10	-377	0	-340	-11	172.0	95.5	32.0	0.0	267.4	1	
2	0	-2754	-9	-217	0	-45	5	51.2	15.2	18.4	0.0	67.9	3	
7	0	-2756	-9	-218	0	-45	5	51.2	15.3	18.5	0.0	68.0	3	
8	0	-2214	-11	-183	0	-27	5	41.2	10.3	15.6	0.0	53.0	3	
1A	55	-5628	-36	103	0	111	0	104.6	28.6	8.7	0.0	133.2	1	
1B	55	-5628	13	103	0	111	-6	104.6	32.9	8.7	0.0	137.5	1	
1C	55	-5628	-36	-262	0	5	0	104.6	1.5	22.2	0.0	111.5	4	
1D	55	-5628	13	-262	0	5	-6	104.6	5.7	22.2	0.0	111.6	4	
1E	55	4293	-36	103	0	111	0	79.8	28.6	8.7	0.0	108.4	1	
1F	55	4293	13	103	0	111	-6	79.8	32.9	8.7	0.0	112.6	1	
1G	55	4293	-36	-262	0	5	0	79.8	1.5	22.2	0.0	88.6	4	
1H	55	4293	13	-262	0	5	-6	79.8	5.7	22.2	0.0	88.7	4	
1I	55	-10610	-33	218	0	262	18	197.2	80.8	18.5	0.0	278.0	1	
1J	55	-10610	10	218	0	262	-23	197.2	85.0	18.5	0.0	282.2	1	
1K	55	-10610	-33	-377	0	-146	18	197.2	50.8	32.0	0.0	248.0	1	
1L	55	-10610	10	-377	0	-146	-23	197.2	55.1	32.0	0.0	252.3	1	
1M	55	9275	-33	218	0	262	18	172.4	80.8	18.5	0.0	253.2	1	
1N	55	9275	10	218	0	262	-23	172.4	85.0	18.5	0.0	257.4	1	
1O	55	9275	-33	-377	0	-146	18	172.4	50.8	32.0	0.0	223.2	1	
1P	55	9275	10	-377	0	-146	-23	172.4	55.1	32.0	0.0	227.5	1	
2	55	-2724	-9	-163	0	60	-0	50.6	15.7	13.8	0.0	67.8	3	
7	55	-2726	-9	-164	0	60	-0	50.7	15.6	13.9	0.0	67.9	3	
8	55	-2184	-11	-146	0	64	-1	40.6	17.6	12.3	0.0	58.6	3	
1A	111	-5604	-36	103	0	40	-23	104.2	27.7	8.7	0.0	131.8	1	
1B	111	-5604	13	103	0	40	5	104.2	14.0	8.7	0.0	118.1	1	
1C	111	-5604	-36	-262	0	164	-23	104.2	59.5	22.2	0.0	163.7	1	
1D	111	-5604	13	-262	0	164	5	104.2	45.8	22.2	0.0	150.0	1	
1E	111	4316	-36	103	0	40	-23	80.2	27.7	8.7	0.0	107.9	1	
1F	111	4316	13	103	0	40	5	80.2	14.0	8.7	0.0	94.2	1	
1G	111	4316	-36	-262	0	164	-23	80.2	59.5	22.2	0.0	139.8	1	
1H	111	4316	13	-262	0	164	5	80.2	45.8	22.2	0.0	126.1	1	
1I	111	-10587	-33	218	0	157	18	196.8	53.6	18.5	0.0	250.3	1	
1J	111	-10587	10	218	0	157	-36	196.8	67.3	18.5	0.0	264.1	1	
1K	111	-10587	-33	-377	0	48	18	196.8	25.6	32.0	0.0	222.4	1	
1L	111	-10587	10	-377	0	48	-36	196.8	39.3	32.0	0.0	236.1	1	
1M	111	9299	-33	218	0	157	18	172.8	53.6	18.5	0.0	226.4	1	
1N	111	9299	10	218	0	157	-36	172.8	67.3	18.5	0.0	240.1	1	
1O	111	9299	-33	-377	0	48	18	172.8	25.6	32.0	0.0	198.4	1	
1P	111	9299	10	-377	0	48	-36	172.8	39.3	32.0	0.0	212.2	1	
2	111	-2693	-9	-109	0	135	-5	50.1	38.9	9.2	0.0	89.0	1	
7	111	-2696	-9	-109	0	136	-5	50.1	38.8	9.3	0.0	88.9	1	
8	111	-2153	-11	-108	0	134	-7	40.0	40.1	9.1	0.0	80.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5651	125	9	23	23	14	1.03	1.00	147.4	
1B	-5651	125	8	23	23	14	1.03	1.00	146.3	
1C	-5651	66	9	23	23	14	1.03	1.00	132.1	
1D	-5651	66	8	23	23	14	1.03	1.00	131.0	
1E	4316	125	9	23	23	14	1.00	1.00	119.4	
1F	4316	125	8	23	23	14	1.00	1.00	118.3	
1G	4316	66	9	23	23	14	1.00	1.00	104.1	
1H	4316	66	8	23	23	14	1.00	1.00	103.0	
1I	-10634	284	18	23	23	14	1.03	1.00	290.0	
1J	-10634	284	26	23	23	14	1.03	1.00	296.2	
1K	-10634	185	18	23	23	14	1.03	1.00	264.5	
1L	-10634	185	26	23	23	14	1.03	1.00	270.7	

1M	9299	284	18	23	23	14	1.00	1.00	259.1
1N	9299	284	26	23	23	14	1.00	1.00	265.2
1O	9299	185	18	23	23	14	1.00	1.00	233.6
1P	9299	185	26	23	23	14	1.00	1.00	239.8
2	-2754	63	2	23	23	14	1.03	1.00	70.6
7	-2756	63	2	23	23	14	1.03	1.00	70.6
8	-2214	70	3	23	23	14	1.03	1.00	62.6

ASTA NUM. 354 NI 347 NF 348 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2985	-107	248	0	176	18	55.5	58.3	21.0	0.0	113.8	1	
1B	0	-2985	250	248	0	176	-40	55.5	75.1	21.0	0.0	130.6	1	
1C	0	-2985	-107	-165	0	32	18	55.5	21.3	13.9	0.0	76.7	1	
1D	0	-2985	250	-165	0	32	-40	55.5	38.0	13.9	0.0	93.5	1	
1E	0	1329	-107	248	0	176	18	24.7	58.3	21.0	0.0	83.0	1	
1F	0	1329	250	248	0	176	-40	24.7	75.1	21.0	0.0	99.8	1	
1G	0	1329	-107	-165	0	32	18	24.7	21.3	13.9	0.0	46.0	1	
1H	0	1329	250	-165	0	32	-40	24.7	38.0	13.9	0.0	62.7	1	
1I	0	-3074	-21	414	0	296	32	57.1	100.1	35.1	0.0	157.2	1	
1J	0	-3074	164	414	0	296	-54	57.1	116.9	35.1	0.0	174.0	1	
1K	0	-3074	-21	-330	0	-89	32	57.1	46.7	28.0	0.0	103.9	1	
1L	0	-3074	164	-330	0	-89	-54	57.1	63.5	28.0	0.0	120.7	1	
1M	0	1418	-21	414	0	296	32	26.4	100.1	35.1	0.0	126.5	1	
1N	0	1418	164	414	0	296	-54	26.4	116.9	35.1	0.0	143.2	1	
1O	0	1418	-21	-330	0	-89	32	26.4	46.7	28.0	0.0	73.1	1	
1P	0	1418	164	-330	0	-89	-54	26.4	63.5	28.0	0.0	89.9	1	
2	0	-1192	82	-65	0	104	-10	22.2	34.6	5.5	0.0	56.7	1	
7	0	-1189	81	-65	0	105	-10	22.1	34.4	5.5	0.0	56.5	1	
8	0	-1167	85	-30	0	113	-12	21.7	37.9	3.2	0.0	59.6	1	
1A	55	-2962	-107	248	0	31	-45	55.1	42.0	21.0	0.0	97.1	1	
1B	55	-2962	250	248	0	31	102	55.1	84.5	21.0	0.0	139.6	1	
1C	55	-2962	-107	-165	0	130	-45	55.1	67.5	13.9	0.0	122.6	1	
1D	55	-2962	250	-165	0	130	102	55.1	110.0	13.9	0.0	165.1	1	
1E	55	1352	-107	248	0	31	-45	25.1	42.0	21.0	0.0	67.1	1	
1F	55	1352	250	248	0	31	102	25.1	84.5	21.0	0.0	109.6	1	
1G	55	1352	-107	-165	0	130	-45	25.1	67.5	13.9	0.0	92.7	1	
1H	55	1352	250	-165	0	130	102	25.1	110.0	13.9	0.0	135.2	1	
1I	55	-3051	-21	414	0	65	19	56.7	31.1	35.1	0.0	90.0	3	
1J	55	-3051	164	414	0	65	38	56.7	44.9	35.1	0.0	101.6	1	
1K	55	-3051	-21	-330	0	96	19	56.7	39.1	28.0	0.0	95.8	1	
1L	55	-3051	164	-330	0	96	38	56.7	52.9	28.0	0.0	109.6	1	
1M	55	1441	-21	414	0	65	19	26.8	31.1	35.1	0.0	68.4	3	
1N	55	1441	164	414	0	65	38	26.8	44.9	35.1	0.0	71.6	1	
1O	55	1441	-21	-330	0	96	19	26.8	39.1	28.0	0.0	65.9	1	
1P	55	1441	164	-330	0	96	38	26.8	52.9	28.0	0.0	79.7	1	
2	55	-1162	82	-11	0	125	35	21.6	58.4	3.1	0.0	80.0	1	
7	55	-1158	81	-11	0	126	35	21.5	58.4	3.0	0.0	79.9	1	
8	55	-1136	85	8	0	119	35	21.1	57.1	3.2	0.0	78.3	1	
1A	111	-2938	-107	248	0	-114	-108	54.6	110.4	21.0	0.0	165.1	1	
1B	111	-2938	250	248	0	-114	244	54.6	212.2	21.0	0.0	266.8	1	
1C	111	-2938	-107	-165	0	229	-108	54.6	140.0	13.9	0.0	194.6	1	
1D	111	-2938	250	-165	0	229	244	54.6	241.8	13.9	0.0	296.4	1	
1E	111	1376	-107	248	0	-114	-108	25.6	110.4	21.0	0.0	136.0	1	
1F	111	1376	250	248	0	-114	244	25.6	212.2	21.0	0.0	237.8	1	
1G	111	1376	-107	-165	0	229	-108	25.6	140.0	13.9	0.0	165.6	1	
1H	111	1376	250	-165	0	229	244	25.6	241.8	13.9	0.0	267.4	1	
1I	111	-3027	-21	414	0	-166	6	56.3	47.7	35.1	0.0	108.9	3	
1J	111	-3027	164	414	0	-166	129	56.3	139.7	35.1	0.0	196.0	1	
1K	111	-3027	-21	-330	0	281	6	56.3	77.3	28.0	0.0	133.5	1	
1L	111	-3027	164	-330	0	281	129	56.3	169.3	28.0	0.0	225.6	1	
1M	111	1465	-21	414	0	-166	6	27.2	47.7	35.1	0.0	84.9	3	
1N	111	1465	164	414	0	-166	129	27.2	139.7	35.1	0.0	166.9	1	
1O	111	1465	-21	-330	0	281	6	27.2	77.3	28.0	0.0	104.5	1	
1P	111	1465	164	-330	0	281	129	27.2	169.3	28.0	0.0	196.5	1	
2	111	-1132	82	43	0	116	80	21.0	89.9	3.7	0.0	111.0	1	
7	111	-1128	81	43	0	116	80	21.0	89.5	3.7	0.0	110.5	1	
8	111	-1106	85	46	0	104	82	20.6	88.4	3.9	0.0	108.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2985	70	58	23	23	14	1.03	1.00	118.8	
1B	-2985	70	131	23	23	14	1.03	1.00	173.2	
1C	-2985	150	58	23	23	14	1.03	1.00	139.3	
1D	-2985	150	131	23	23	14	1.03	1.00	193.7	
1E	1376	70	58	23	23	14	1.00	1.00	87.1	
1F	1376	70	131	23	23	14	1.00	1.00	141.5	
1G	1376	150	58	23	23	14	1.00	1.00	107.6	
1H	1376	150	131	23	23	14	1.00	1.00	162.0	
1I	-3074	119	22	23	23	14	1.03	1.00	105.6	
1J	-3074	119	56	23	23	14	1.03	1.00	131.3	
1K	-3074	133	22	23	23	14	1.03	1.00	109.4	
1L	-3074	133	56	23	23	14	1.03	1.00	135.1	
1M	1465	119	22	23	23	14	1.00	1.00	74.0	

1N	1465	119	56	23	23	14	1.00	1.00	99.6
1O	1465	133	22	23	23	14	1.00	1.00	77.8
1P	1465	133	56	23	23	14	1.00	1.00	103.4
2	-1192	112	44	23	23	14	1.03	1.00	84.5
7	-1189	112	44	23	23	14	1.03	1.00	84.3
8	-1167	110	45	23	23	14	1.03	1.00	84.1

ASTA NUM. 355 NI 348 NF 971 Lungh. 10.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1872	-3923	324	0	212	233	34.8	228.7	147.1	0.0	273.3	3	
1B	0	-1872	4730	324	0	212	-87	34.8	120.0	177.4	0.0	321.7	3	
1C	0	-1872	-3923	0	0	-42	233	34.8	184.9	147.1	0.0	259.7	3	
1D	0	-1872	4730	0	0	-42	-87	34.8	76.1	177.4	0.0	310.7	3	
1E	0	352	-3923	324	0	212	233	6.5	228.7	147.1	0.0	265.4	3	
1F	0	352	4730	324	0	212	-87	6.5	120.0	177.4	0.0	315.4	3	
1G	0	352	-3923	0	0	-42	233	6.5	184.9	147.1	0.0	255.8	3	
1H	0	352	4730	0	0	-42	-87	6.5	76.1	177.4	0.0	307.8	3	
1I	0	-2577	-1828	487	0	205	134	47.9	153.2	68.6	0.0	201.1	1	
1J	0	-2577	2635	487	0	205	11	47.9	61.2	98.8	0.0	205.9	3	
1K	0	-2577	-1828	-163	0	-35	134	47.9	109.4	68.6	0.0	157.3	1	
1L	0	-2577	2635	-163	0	-35	11	47.9	17.4	98.8	0.0	181.4	3	
1M	0	1057	-1828	487	0	205	134	19.6	153.2	68.6	0.0	172.9	1	
1N	0	1057	2635	487	0	205	11	19.6	61.2	98.8	0.0	194.4	3	
1O	0	1057	-1828	-163	0	-35	134	19.6	109.4	68.6	0.0	129.0	1	
1P	0	1057	2635	-163	0	-35	11	19.6	17.4	98.8	0.0	174.7	3	
2	0	-1232	185	166	0	135	87	22.9	99.6	14.1	0.0	122.5	1	
7	0	-1231	172	166	0	135	86	22.9	99.2	14.0	0.0	122.1	1	
8	0	-1160	300	180	0	128	89	21.6	99.3	15.3	0.0	120.9	1	
1A	5	-1869	-3923	324	0	211	485	34.7	417.0	147.1	0.0	451.8	1	
1B	5	-1869	4730	324	0	211	-296	34.7	276.1	177.4	0.0	323.0	3	
1C	5	-1869	-3923	0	0	-57	485	34.7	377.7	147.1	0.0	412.4	1	
1D	5	-1869	4730	0	0	-57	-296	34.7	236.7	177.4	0.0	312.1	3	
1E	5	354	-3923	324	0	211	485	6.6	417.0	147.1	0.0	423.6	1	
1F	5	354	4730	324	0	211	-296	6.6	276.1	177.4	0.0	316.3	3	
1G	5	354	-3923	0	0	-57	485	6.6	377.7	147.1	0.0	384.2	1	
1H	5	354	4730	0	0	-57	-296	6.6	236.7	177.4	0.0	308.4	3	
1I	5	-2574	-1828	487	0	213	275	47.9	260.4	68.6	0.0	308.2	1	
1J	5	-2574	2635	487	0	213	-86	47.9	119.4	98.8	0.0	207.6	3	
1K	5	-2574	-1828	-163	0	-60	275	47.9	221.0	68.6	0.0	268.9	1	
1L	5	-2574	2635	-163	0	-60	-86	47.9	80.0	98.8	0.0	183.9	3	
1M	5	1059	-1828	487	0	213	275	19.7	260.4	68.6	0.0	280.1	1	
1N	5	1059	2635	487	0	213	-86	19.7	119.4	98.8	0.0	195.7	3	
1O	5	1059	-1828	-163	0	-60	275	19.7	221.0	68.6	0.0	240.7	1	
1P	5	1059	2635	-163	0	-60	-86	19.7	80.0	98.8	0.0	176.1	3	
2	5	-1229	185	171	0	126	97	22.8	104.7	14.5	0.0	127.5	1	
7	5	-1228	172	171	0	126	95	22.8	103.8	14.5	0.0	126.6	1	
8	5	-1157	300	184	0	118	105	21.5	108.9	15.6	0.0	130.4	1	
1A	11	-1867	-3923	324	0	209	737	34.7	605.4	147.1	0.0	640.1	1	
1B	11	-1867	4730	324	0	209	-506	34.7	432.1	177.4	0.0	466.9	1	
1C	11	-1867	-3923	0	0	-73	737	34.7	570.4	147.1	0.0	605.1	1	
1D	11	-1867	4730	0	0	-73	-506	34.7	397.2	177.4	0.0	431.9	1	
1E	11	357	-3923	324	0	209	737	6.6	605.4	147.1	0.0	612.0	1	
1F	11	357	4730	324	0	209	-506	6.6	432.1	177.4	0.0	438.8	1	
1G	11	357	-3923	0	0	-73	737	6.6	570.4	147.1	0.0	577.0	1	
1H	11	357	4730	0	0	-73	-506	6.6	397.2	177.4	0.0	403.8	1	
1I	11	-2572	-1828	487	0	221	415	47.8	367.6	68.6	0.0	415.4	1	
1J	11	-2572	2635	487	0	221	-184	47.8	194.4	98.8	0.0	242.2	1	
1K	11	-2572	-1828	-163	0	-85	415	47.8	332.6	68.6	0.0	380.4	1	
1L	11	-2572	2635	-163	0	-85	-184	47.8	159.4	98.8	0.0	207.2	1	
1M	11	1062	-1828	487	0	221	415	19.7	367.6	68.6	0.0	387.3	1	
1N	11	1062	2635	487	0	221	-184	19.7	194.4	98.8	0.0	214.1	1	
1O	11	1062	-1828	-163	0	-85	415	19.7	332.6	68.6	0.0	352.4	1	
1P	11	1062	2635	-163	0	-85	-184	19.7	159.4	98.8	0.0	179.2	1	
2	11	-1226	185	176	0	116	106	22.8	109.7	15.0	0.0	132.5	1	
7	11	-1225	172	176	0	116	105	22.8	108.2	14.9	0.0	131.0	1	
8	11	-1154	300	187	0	108	121	21.4	118.3	15.9	0.0	139.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1872	211	535	3	3	2	1.00	1.00	489.7	
1B	-1872	211	338	3	3	2	1.00	1.00	342.3	
1C	-1872	61	535	3	3	2	1.00	1.00	451.1	
1D	-1872	61	338	3	3	2	1.00	1.00	303.6	
1E	357	211	535	3	3	2	1.00	1.00	461.5	
1F	357	211	338	3	3	2	1.00	1.00	314.1	
1G	357	61	535	3	3	2	1.00	1.00	422.8	
1H	357	61	338	3	3	2	1.00	1.00	275.4	
1I	-2577	215	303	3	3	2	1.00	1.00	329.8	
1J	-2577	215	106	3	3	2	1.00	1.00	182.3	
1K	-2577	65	303	3	3	2	1.00	1.00	291.3	
1L	-2577	65	106	3	3	2	1.00	1.00	143.8	
1M	1062	215	303	3	3	2	1.00	1.00	301.6	
1N	1062	215	106	3	3	2	1.00	1.00	154.1	

1O	1062	65	303	3	3	2	1.00	1.00	263.1
1P	1062	65	106	3	3	2	1.00	1.00	115.6
2	-1232	127	99	3	3	2	1.00	1.00	129.5
7	-1231	127	97	3	3	2	1.00	1.00	128.5
8	-1160	120	108	3	3	2	1.00	1.00	133.3

ASTA NUM. 356 NI 340 NF 339 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17850	-75	218	0	354	86	331.8	155.6	18.4	0.0	487.4	1	
1B	0	-17850	82	218	0	354	-90	331.8	158.2	18.4	0.0	490.0	1	
1C	0	-17850	-75	-158	0	-273	86	331.8	134.8	13.4	0.0	466.6	1	
1D	0	-17850	82	-158	0	-273	-90	331.8	137.5	13.4	0.0	469.3	1	
1E	0	16696	-75	218	0	354	86	310.3	155.6	18.4	0.0	465.9	1	
1F	0	16696	82	218	0	354	-90	310.3	158.2	18.4	0.0	468.6	1	
1G	0	16696	-75	-158	0	-273	86	310.3	134.8	13.4	0.0	445.1	1	
1H	0	16696	82	-158	0	-273	-90	310.3	137.5	13.4	0.0	447.8	1	
1I	0	-29064	-42	222	0	816	49	540.2	246.3	18.8	0.0	786.6	1	
1J	0	-29064	48	222	0	816	-52	540.2	249.0	18.8	0.0	789.2	1	
1K	0	-29064	-42	-162	0	-736	49	540.2	225.6	13.8	0.0	765.8	1	
1L	0	-29064	48	-162	0	-736	-52	540.2	228.2	13.8	0.0	768.4	1	
1M	0	27910	-42	222	0	816	49	518.8	246.3	18.8	0.0	765.1	1	
1N	0	27910	48	222	0	816	-52	518.8	249.0	18.8	0.0	767.8	1	
1O	0	27910	-42	-162	0	-736	49	518.8	225.6	13.8	0.0	744.3	1	
1P	0	27910	48	-162	0	-736	-52	518.8	228.2	13.8	0.0	747.0	1	
2	0	-8968	-13	-290	0	-255	14	166.7	76.0	24.6	0.0	242.7	1	
7	0	-8967	-13	-290	0	-254	14	166.7	76.0	24.6	0.0	242.6	1	
8	0	-6553	-8	-192	0	-165	9	121.8	49.2	16.3	0.0	171.0	1	
1A	55	-17827	-75	218	0	350	45	331.4	124.1	18.4	0.0	455.4	1	
1B	55	-17827	82	218	0	350	-45	331.4	123.9	18.4	0.0	455.2	1	
1C	55	-17827	-75	-158	0	-303	45	331.4	111.8	13.4	0.0	443.2	1	
1D	55	-17827	82	-158	0	-303	-45	331.4	111.6	13.4	0.0	443.0	1	
1E	55	16719	-75	218	0	350	45	310.8	124.1	18.4	0.0	434.8	1	
1F	55	16719	82	218	0	350	-45	310.8	123.9	18.4	0.0	434.6	1	
1G	55	16719	-75	-158	0	-303	45	310.8	111.8	13.4	0.0	422.6	1	
1H	55	16719	82	-158	0	-303	-45	310.8	111.6	13.4	0.0	422.4	1	
1I	55	-29041	-42	222	0	729	27	539.8	207.4	18.8	0.0	747.2	1	
1J	55	-29041	48	222	0	729	-26	539.8	207.2	18.8	0.0	747.0	1	
1K	55	-29041	-42	-162	0	-681	27	539.8	195.2	13.8	0.0	735.0	1	
1L	55	-29041	48	-162	0	-681	-26	539.8	195.0	13.8	0.0	734.8	1	
1M	55	27933	-42	222	0	729	27	519.2	207.4	18.8	0.0	726.6	1	
1N	55	27933	48	222	0	729	-26	519.2	207.2	18.8	0.0	726.4	1	
1O	55	27933	-42	-162	0	-681	27	519.2	195.2	13.8	0.0	714.4	1	
1P	55	27933	48	-162	0	-681	-26	519.2	195.0	13.8	0.0	714.2	1	
2	55	-8938	-13	-128	0	-139	7	166.1	41.0	10.8	0.0	207.1	1	
7	55	-8937	-13	-128	0	-139	7	166.1	40.9	10.8	0.0	207.0	1	
8	55	-6522	-8	-78	0	-90	5	121.2	26.8	6.7	0.0	148.0	1	
1A	111	-17804	-75	218	0	347	4	330.9	92.6	18.4	0.0	423.5	1	
1B	111	-17804	82	218	0	347	-0	330.9	89.5	18.4	0.0	420.4	1	
1C	111	-17804	-75	-158	0	-333	4	330.9	88.8	13.4	0.0	419.8	1	
1D	111	-17804	82	-158	0	-333	-0	330.9	85.8	13.4	0.0	416.7	1	
1E	111	16742	-75	218	0	347	4	311.2	92.6	18.4	0.0	403.8	1	
1F	111	16742	82	218	0	347	-0	311.2	89.5	18.4	0.0	400.7	1	
1G	111	16742	-75	-158	0	-333	4	311.2	88.8	13.4	0.0	400.0	1	
1H	111	16742	82	-158	0	-333	-0	311.2	85.8	13.4	0.0	396.9	1	
1I	111	-29018	-42	222	0	641	5	539.4	168.6	18.8	0.0	707.9	1	
1J	111	-29018	48	222	0	641	-1	539.4	165.5	18.8	0.0	704.8	1	
1K	111	-29018	-42	-162	0	-627	5	539.4	164.8	13.8	0.0	704.2	1	
1L	111	-29018	48	-162	0	-627	-1	539.4	161.7	13.8	0.0	701.1	1	
1M	111	27956	-42	222	0	641	5	519.6	168.6	18.8	0.0	688.2	1	
1N	111	27956	48	222	0	641	-1	519.6	165.5	18.8	0.0	685.1	1	
1O	111	27956	-42	-162	0	-627	5	519.6	164.8	13.8	0.0	684.5	1	
1P	111	27956	48	-162	0	-627	-1	519.6	161.7	13.8	0.0	681.4	1	
2	111	-8908	-13	35	0	-113	-0	165.6	29.2	2.9	0.0	194.8	1	
7	111	-8907	-13	35	0	-113	-0	165.6	29.1	2.9	0.0	194.6	1	
8	111	-6492	-8	35	0	-78	1	120.7	20.5	3.0	0.0	141.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17850	351	54	23	23	14	1.03	1.00	472.7	
1B	-17850	351	54	23	23	14	1.03	1.00	473.1	
1C	-17850	309	54	23	23	14	1.03	1.00	461.9	
1D	-17850	309	54	23	23	14	1.03	1.00	462.2	
1E	16742	351	54	23	23	14	1.00	1.00	441.6	
1F	16742	351	54	23	23	14	1.00	1.00	441.9	
1G	16742	309	54	23	23	14	1.00	1.00	430.7	
1H	16742	309	54	23	23	14	1.00	1.00	431.1	
1I	-29064	746	31	23	23	14	1.03	1.00	773.0	
1J	-29064	746	31	23	23	14	1.03	1.00	773.3	
1K	-29064	692	31	23	23	14	1.03	1.00	759.0	
1L	-29064	692	31	23	23	14	1.03	1.00	759.3	
1M	27956	746	31	23	23	14	1.00	1.00	734.9	
1N	27956	746	31	23	23	14	1.00	1.00	735.2	
1O	27956	692	31	23	23	14	1.00	1.00	720.9	

1P	27956	692	31	23	23	14	1.00	1.00	721.3
2	-8968	198	8	23	23	14	1.03	1.00	229.0
7	-8967	198	8	23	23	14	1.03	1.00	229.0
8	-6553	130	6	23	23	14	1.03	1.00	163.2

ASTA NUM. 357 NI 339 NF 338 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-15529	-7	146	0	391	10	288.6	108.0	12.4	0.0	396.6	1	
1B	0	-15529	10	146	0	391	-8	288.6	106.6	12.4	0.0	395.3	1	
1C	0	-15529	-7	-219	0	-380	10	288.6	105.4	18.6	0.0	394.0	1	
1D	0	-15529	10	-219	0	-380	-8	288.6	104.0	18.6	0.0	392.7	1	
1E	0	14727	-7	146	0	391	10	273.7	108.0	12.4	0.0	381.7	1	
1F	0	14727	10	146	0	391	-8	273.7	106.6	12.4	0.0	380.4	1	
1G	0	14727	-7	-219	0	-380	10	273.7	105.4	18.6	0.0	379.1	1	
1H	0	14727	10	-219	0	-380	-8	273.7	104.0	18.6	0.0	377.8	1	
1I	0	-27608	-22	223	0	789	6	513.2	207.9	18.9	0.0	721.1	1	
1J	0	-27608	25	223	0	789	-5	513.2	206.6	18.9	0.0	719.7	1	
1K	0	-27608	-22	-296	0	-779	6	513.2	205.3	25.1	0.0	718.4	1	
1L	0	-27608	25	-296	0	-779	-5	513.2	203.9	25.1	0.0	717.1	1	
1M	0	26805	-22	223	0	789	6	498.2	207.9	18.9	0.0	706.2	1	
1N	0	26805	25	223	0	789	-5	498.2	206.6	18.9	0.0	704.8	1	
1O	0	26805	-22	-296	0	-779	6	498.2	205.3	25.1	0.0	703.5	1	
1P	0	26805	25	-296	0	-779	-5	498.2	203.9	25.1	0.0	702.2	1	
2	0	-8316	12	-343	0	-225	0	154.6	58.3	29.1	0.0	212.9	1	
7	0	-8316	12	-344	0	-225	0	154.6	58.3	29.2	0.0	212.8	1	
8	0	-6028	9	-255	0	-157	1	112.0	41.0	21.6	0.0	153.0	1	
1A	55	-15506	-7	146	0	316	14	288.2	92.0	12.4	0.0	380.2	1	
1B	55	-15506	10	146	0	316	-11	288.2	89.5	12.4	0.0	377.7	1	
1C	55	-15506	-7	-219	0	-266	14	288.2	79.0	18.6	0.0	367.2	1	
1D	55	-15506	10	-219	0	-266	-11	288.2	76.5	18.6	0.0	364.7	1	
1E	55	14750	-7	146	0	316	14	274.2	92.0	12.4	0.0	366.2	1	
1F	55	14750	10	146	0	316	-11	274.2	89.5	12.4	0.0	363.7	1	
1G	55	14750	-7	-219	0	-266	14	274.2	79.0	18.6	0.0	353.2	1	
1H	55	14750	10	-219	0	-266	-11	274.2	76.5	18.6	0.0	350.7	1	
1I	55	-27584	-22	223	0	668	-8	512.7	178.0	18.9	0.0	690.7	1	
1J	55	-27584	25	223	0	668	12	512.7	180.5	18.9	0.0	693.2	1	
1K	55	-27584	-22	-296	0	-617	-8	512.7	165.1	25.1	0.0	677.8	1	
1L	55	-27584	25	-296	0	-617	12	512.7	167.6	25.1	0.0	680.3	1	
1M	55	26829	-22	223	0	668	-8	498.7	178.0	18.9	0.0	676.7	1	
1N	55	26829	25	223	0	668	12	498.7	180.5	18.9	0.0	679.2	1	
1O	55	26829	-22	-296	0	-617	-8	498.7	165.1	25.1	0.0	663.7	1	
1P	55	26829	25	-296	0	-617	12	498.7	167.6	25.1	0.0	666.2	1	
2	55	-8286	12	-181	0	-80	7	154.0	25.9	15.3	0.0	179.9	1	
7	55	-8286	12	-181	0	-80	7	154.0	25.8	15.4	0.0	179.8	1	
8	55	-5998	9	-141	0	-48	6	111.5	16.4	12.0	0.0	127.9	1	
1A	111	-15482	-7	146	0	242	18	287.8	76.0	12.4	0.0	363.7	1	
1B	111	-15482	10	146	0	242	-14	287.8	72.3	12.4	0.0	360.1	1	
1C	111	-15482	-7	-219	0	-151	18	287.8	52.7	18.6	0.0	340.5	1	
1D	111	-15482	10	-219	0	-151	-14	287.8	49.0	18.6	0.0	336.8	1	
1E	111	14774	-7	146	0	242	18	274.6	76.0	12.4	0.0	350.6	1	
1F	111	14774	10	146	0	242	-14	274.6	72.3	12.4	0.0	346.9	1	
1G	111	14774	-7	-219	0	-151	18	274.6	52.7	18.6	0.0	327.3	1	
1H	111	14774	10	-219	0	-151	-14	274.6	49.0	18.6	0.0	323.6	1	
1I	111	-27561	-22	223	0	546	-23	512.3	157.8	18.9	0.0	670.1	1	
1J	111	-27561	25	223	0	546	28	512.3	161.5	18.9	0.0	673.7	1	
1K	111	-27561	-22	-296	0	-456	-23	512.3	134.5	25.1	0.0	646.8	1	
1L	111	-27561	25	-296	0	-456	28	512.3	138.2	25.1	0.0	650.5	1	
1M	111	26852	-22	223	0	546	-23	499.1	157.8	18.9	0.0	656.9	1	
1N	111	26852	25	223	0	546	28	499.1	161.5	18.9	0.0	660.6	1	
1O	111	26852	-22	-296	0	-456	-23	499.1	134.5	25.1	0.0	633.6	1	
1P	111	26852	25	-296	0	-456	28	499.1	138.2	25.1	0.0	637.3	1	
2	111	-8256	12	-18	0	-25	13	153.5	16.6	1.5	0.0	170.1	1	
7	111	-8255	12	-19	0	-24	13	153.4	16.4	1.6	0.0	169.8	1	
8	111	-5968	9	-27	0	-1	10	110.9	8.1	2.3	0.0	119.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-15529	331	15	23	23	14	1.03	1.00	394.1	
1B	-15529	331	11	23	23	14	1.03	1.00	391.3	
1C	-15529	289	15	23	23	14	1.03	1.00	383.2	
1D	-15529	289	11	23	23	14	1.03	1.00	380.4	
1E	14774	331	15	23	23	14	1.00	1.00	371.1	
1F	14774	331	11	23	23	14	1.00	1.00	368.3	
1G	14774	289	15	23	23	14	1.00	1.00	360.2	
1H	14774	289	11	23	23	14	1.00	1.00	357.4	
1I	-27608	692	11	23	23	14	1.03	1.00	716.0	
1J	-27608	692	15	23	23	14	1.03	1.00	718.8	
1K	-27608	650	11	23	23	14	1.03	1.00	705.1	
1L	-27608	650	15	23	23	14	1.03	1.00	707.8	
1M	26852	692	11	23	23	14	1.00	1.00	685.6	
1N	26852	692	15	23	23	14	1.00	1.00	688.3	
1O	26852	650	11	23	23	14	1.00	1.00	674.7	
1P	26852	650	15	23	23	14	1.00	1.00	677.5	

2	-8316	145	8	23	23	14	1.03	1.00	202.9
7	-8316	145	8	23	23	14	1.03	1.00	202.8
8	-6028	95	6	23	23	14	1.03	1.00	144.7

ASTA NUM. 358 NI 338 NF 337 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11116	-13	173	0	300	18	206.6	90.8	14.7	0.0	297.4	1	
1B	0	-11116	15	173	0	300	-16	206.6	89.2	14.7	0.0	295.8	1	
1C	0	-11116	-13	-126	0	-215	18	206.6	68.8	10.7	0.0	275.4	1	
1D	0	-11116	15	-126	0	-215	-16	206.6	67.2	10.7	0.0	273.8	1	
1E	0	10890	-13	173	0	300	18	202.4	90.8	14.7	0.0	293.2	1	
1F	0	10890	15	173	0	300	-16	202.4	89.2	14.7	0.0	291.6	1	
1G	0	10890	-13	-126	0	-215	18	202.4	68.8	10.7	0.0	271.2	1	
1H	0	10890	15	-126	0	-215	-16	202.4	67.2	10.7	0.0	269.6	1	
1I	0	-18702	-22	282	0	694	26	347.6	198.1	23.9	0.0	545.8	1	
1J	0	-18702	24	282	0	694	-24	347.6	196.6	23.9	0.0	544.2	1	
1K	0	-18702	-22	-235	0	-609	26	347.6	176.1	19.9	0.0	523.8	1	
1L	0	-18702	24	-235	0	-609	-24	347.6	174.6	19.9	0.0	522.2	1	
1M	0	18475	-22	282	0	694	26	343.4	198.1	23.9	0.0	541.6	1	
1N	0	18475	24	282	0	694	-24	343.4	196.6	23.9	0.0	540.0	1	
1O	0	18475	-22	-235	0	-609	26	343.4	176.1	19.9	0.0	519.5	1	
1P	0	18475	24	-235	0	-609	-24	343.4	174.6	19.9	0.0	518.0	1	
2	0	-3224	-9	-267	0	-114	14	59.9	39.7	22.7	0.0	99.6	1	
7	0	-3213	-9	-267	0	-114	14	59.7	39.6	22.7	0.0	99.3	1	
8	0	-2334	-6	-179	0	-65	10	43.4	24.2	15.1	0.0	67.6	1	
1A	55	-11093	-13	173	0	262	14	206.2	77.5	14.7	0.0	283.7	1	
1B	55	-11093	15	173	0	262	-10	206.2	75.1	14.7	0.0	281.3	1	
1C	55	-11093	-13	-126	0	-202	14	206.2	62.2	10.7	0.0	268.4	1	
1D	55	-11093	15	-126	0	-202	-10	206.2	59.8	10.7	0.0	266.0	1	
1E	55	10913	-13	173	0	262	14	202.8	77.5	14.7	0.0	280.3	1	
1F	55	10913	15	173	0	262	-10	202.8	75.1	14.7	0.0	278.0	1	
1G	55	10913	-13	-126	0	-202	14	202.8	62.2	10.7	0.0	265.1	1	
1H	55	10913	15	-126	0	-202	-10	202.8	59.8	10.7	0.0	262.7	1	
1I	55	-18679	-22	282	0	555	16	347.2	154.5	23.9	0.0	501.7	1	
1J	55	-18679	24	282	0	555	-12	347.2	152.2	23.9	0.0	499.3	1	
1K	55	-18679	-22	-235	0	-496	16	347.2	139.2	19.9	0.0	486.4	1	
1L	55	-18679	24	-235	0	-496	-12	347.2	136.9	19.9	0.0	484.1	1	
1M	55	18499	-22	282	0	555	16	343.8	154.5	23.9	0.0	498.4	1	
1N	55	18499	24	282	0	555	-12	343.8	152.2	23.9	0.0	496.0	1	
1O	55	18499	-22	-235	0	-496	16	343.8	139.2	19.9	0.0	483.1	1	
1P	55	18499	24	-235	0	-496	-12	343.8	136.9	19.9	0.0	480.7	1	
2	55	-3194	-9	-105	0	-11	9	59.4	9.4	8.9	0.0	68.8	1	
7	55	-3182	-9	-105	0	-11	9	59.2	9.3	8.9	0.0	68.4	1	
8	55	-2304	-6	-65	0	2	7	42.8	5.6	5.5	0.0	48.4	1	
1A	111	-11070	-13	173	0	224	9	205.8	64.2	14.7	0.0	270.0	1	
1B	111	-11070	15	173	0	224	-5	205.8	61.0	14.7	0.0	266.8	1	
1C	111	-11070	-13	-126	0	-190	9	205.8	55.7	10.7	0.0	261.4	1	
1D	111	-11070	15	-126	0	-190	-5	205.8	52.5	10.7	0.0	258.2	1	
1E	111	10936	-13	173	0	224	9	203.3	64.2	14.7	0.0	267.5	1	
1F	111	10936	15	173	0	224	-5	203.3	61.0	14.7	0.0	264.3	1	
1G	111	10936	-13	-126	0	-190	9	203.3	55.7	10.7	0.0	258.9	1	
1H	111	10936	15	-126	0	-190	-5	203.3	52.5	10.7	0.0	255.8	1	
1I	111	-18656	-22	282	0	416	5	346.8	110.9	23.9	0.0	457.7	1	
1J	111	-18656	24	282	0	416	-1	346.8	107.7	23.9	0.0	454.5	1	
1K	111	-18656	-22	-235	0	-383	5	346.8	102.3	19.9	0.0	449.1	1	
1L	111	-18656	24	-235	0	-383	-1	346.8	99.2	19.9	0.0	445.9	1	
1M	111	18522	-22	282	0	416	5	344.3	110.9	23.9	0.0	455.2	1	
1N	111	18522	24	282	0	416	-1	344.3	107.7	23.9	0.0	452.0	1	
1O	111	18522	-22	-235	0	-383	5	344.3	102.3	19.9	0.0	446.6	1	
1P	111	18522	24	-235	0	-383	-1	344.3	99.2	19.9	0.0	443.4	1	
2	111	-3164	-9	58	0	2	4	58.8	3.1	4.9	0.0	61.9	1	
7	111	-3152	-9	58	0	2	4	58.6	3.3	4.9	0.0	61.9	1	
8	111	-2273	-6	49	0	7	3	42.2	4.3	4.1	0.0	46.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11116	270	14	23	23	14	1.03	1.00	293.2	
1B	-11116	270	11	23	23	14	1.03	1.00	290.9	
1C	-11116	205	14	23	23	14	1.03	1.00	276.5	
1D	-11116	205	11	23	23	14	1.03	1.00	274.3	
1E	10936	270	14	23	23	14	1.00	1.00	283.4	
1F	10936	270	11	23	23	14	1.00	1.00	281.2	
1G	10936	205	14	23	23	14	1.00	1.00	266.8	
1H	10936	205	11	23	23	14	1.00	1.00	264.6	
1I	-18702	583	18	23	23	14	1.03	1.00	521.9	
1J	-18702	583	15	23	23	14	1.03	1.00	519.7	
1K	-18702	518	18	23	23	14	1.03	1.00	505.2	
1L	-18702	518	15	23	23	14	1.03	1.00	503.0	
1M	18522	583	18	23	23	14	1.00	1.00	507.5	
1N	18522	583	15	23	23	14	1.00	1.00	505.3	
1O	18522	518	18	23	23	14	1.00	1.00	490.9	
1P	18522	518	15	23	23	14	1.00	1.00	488.7	
2	-3224	68	10	23	23	14	1.03	1.00	86.5	

7	-3213	67	10	23	23	14	1.03	1.00	86.1
8	-2334	36	7	23	23	14	1.03	1.00	59.5

ASTA NUM. 359 NI 337 NF 336 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8822	-9	114	0	262	6	164.0	71.6	9.7	0.0	235.6	1	
1B	0	-8822	15	114	0	262	-5	164.0	71.0	9.7	0.0	235.0	1	
1C	0	-8822	-9	-175	0	-233	6	164.0	64.0	14.9	0.0	228.0	1	
1D	0	-8822	15	-175	0	-233	-5	164.0	63.4	14.9	0.0	227.4	1	
1E	0	8950	-9	114	0	262	6	166.4	71.6	9.7	0.0	237.9	1	
1F	0	8950	15	114	0	262	-5	166.4	71.0	9.7	0.0	237.3	1	
1G	0	8950	-9	-175	0	-233	6	166.4	64.0	14.9	0.0	230.4	1	
1H	0	8950	15	-175	0	-233	-5	166.4	63.4	14.9	0.0	229.8	1	
1I	0	-17280	-13	231	0	556	5	321.2	146.8	19.6	0.0	468.0	1	
1J	0	-17280	19	231	0	556	-4	321.2	146.2	19.6	0.0	467.4	1	
1K	0	-17280	-13	-292	0	-527	5	321.2	139.2	24.8	0.0	460.4	1	
1L	0	-17280	19	-292	0	-527	-4	321.2	138.6	24.8	0.0	459.8	1	
1M	0	17408	-13	231	0	556	5	323.6	146.8	19.6	0.0	470.3	1	
1N	0	17408	19	231	0	556	-4	323.6	146.2	19.6	0.0	469.7	1	
1O	0	17408	-13	-292	0	-527	5	323.6	139.2	24.8	0.0	462.8	1	
1P	0	17408	19	-292	0	-527	-4	323.6	138.6	24.8	0.0	462.2	1	
2	0	-2756	10	-275	0	-64	2	51.2	18.1	23.3	0.0	75.1	3	
7	0	-2745	9	-276	0	-64	2	51.0	18.1	23.4	0.0	74.9	3	
8	0	-1937	8	-205	0	-40	2	36.0	11.6	17.4	0.0	52.6	3	
1A	55	-8799	-9	114	0	200	-1	163.5	52.7	9.7	0.0	216.2	1	
1B	55	-8799	15	114	0	200	5	163.5	55.6	9.7	0.0	219.2	1	
1C	55	-8799	-9	-175	0	-137	-1	163.5	36.3	14.9	0.0	199.9	1	
1D	55	-8799	15	-175	0	-137	5	163.5	39.3	14.9	0.0	202.9	1	
1E	55	8973	-9	114	0	200	-1	166.8	52.7	9.7	0.0	219.4	1	
1F	55	8973	15	114	0	200	5	166.8	55.6	9.7	0.0	222.4	1	
1G	55	8973	-9	-175	0	-137	-1	166.8	36.3	14.9	0.0	203.1	1	
1H	55	8973	15	-175	0	-137	5	166.8	39.3	14.9	0.0	206.1	1	
1I	55	-17257	-13	231	0	429	14	320.8	120.6	19.6	0.0	441.3	1	
1J	55	-17257	19	231	0	429	-10	320.8	117.6	19.6	0.0	438.4	1	
1K	55	-17257	-13	-292	0	-365	14	320.8	104.3	24.8	0.0	425.0	1	
1L	55	-17257	19	-292	0	-365	-10	320.8	101.3	24.8	0.0	422.0	1	
1M	55	17431	-13	231	0	429	14	324.0	120.6	19.6	0.0	444.6	1	
1N	55	17431	19	231	0	429	-10	324.0	117.6	19.6	0.0	441.6	1	
1O	55	17431	-13	-292	0	-365	14	324.0	104.3	24.8	0.0	428.3	1	
1P	55	17431	19	-292	0	-365	-10	324.0	101.3	24.8	0.0	425.3	1	
2	55	-2726	10	-113	0	43	8	50.7	16.7	9.5	0.0	67.4	1	
7	55	-2714	9	-113	0	44	8	50.5	17.0	9.6	0.0	67.4	1	
8	55	-1906	8	-91	0	42	6	35.4	15.3	7.7	0.0	50.7	1	
1A	111	-8776	-9	114	0	139	-8	163.1	42.1	9.7	0.0	205.2	1	
1B	111	-8776	15	114	0	139	16	163.1	47.4	9.7	0.0	210.6	1	
1C	111	-8776	-9	-175	0	-41	-8	163.1	17.0	14.9	0.0	180.1	1	
1D	111	-8776	15	-175	0	-41	16	163.1	22.3	14.9	0.0	185.5	1	
1E	111	8996	-9	114	0	139	-8	167.2	42.1	9.7	0.0	209.3	1	
1F	111	8996	15	114	0	139	16	167.2	47.4	9.7	0.0	214.7	1	
1G	111	8996	-9	-175	0	-41	-8	167.2	17.0	14.9	0.0	184.2	1	
1H	111	8996	15	-175	0	-41	16	167.2	22.3	14.9	0.0	189.6	1	
1I	111	-17234	-13	231	0	302	22	320.3	94.4	19.6	0.0	414.7	1	
1J	111	-17234	19	231	0	302	-15	320.3	89.0	19.6	0.0	409.3	1	
1K	111	-17234	-13	-292	0	-204	22	320.3	69.3	24.8	0.0	389.6	1	
1L	111	-17234	19	-292	0	-204	-15	320.3	63.9	24.8	0.0	384.2	1	
1M	111	17455	-13	231	0	302	22	324.4	94.4	19.6	0.0	418.8	1	
1N	111	17455	19	231	0	302	-15	324.4	89.0	19.6	0.0	413.4	1	
1O	111	17455	-13	-292	0	-204	22	324.4	69.3	24.8	0.0	393.7	1	
1P	111	17455	19	-292	0	-204	-15	324.4	63.9	24.8	0.0	388.3	1	
2	111	-2695	10	50	0	61	13	50.1	25.1	4.2	0.0	75.2	1	
7	111	-2684	9	49	0	62	13	49.9	25.5	4.2	0.0	75.4	1	
8	111	-1876	8	23	0	61	10	34.9	23.4	1.9	0.0	58.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8822	213	3	23	23	14	1.03	1.00	226.3	
1B	-8822	213	7	23	23	14	1.03	1.00	229.4	
1C	-8822	156	3	23	23	14	1.03	1.00	211.7	
1D	-8822	156	7	23	23	14	1.03	1.00	214.8	
1E	8996	213	3	23	23	14	1.00	1.00	224.5	
1F	8996	213	7	23	23	14	1.00	1.00	227.6	
1G	8996	156	3	23	23	14	1.00	1.00	209.9	
1H	8996	156	7	23	23	14	1.00	1.00	213.0	
1I	-17280	454	15	23	23	14	1.03	1.00	459.7	
1J	-17280	454	11	23	23	14	1.03	1.00	456.2	
1K	-17280	398	15	23	23	14	1.03	1.00	445.1	
1L	-17280	398	11	23	23	14	1.03	1.00	441.6	
1M	17455	454	15	23	23	14	1.00	1.00	452.9	
1N	17455	454	11	23	23	14	1.00	1.00	449.4	
1O	17455	398	15	23	23	14	1.00	1.00	438.3	
1P	17455	398	11	23	23	14	1.00	1.00	434.8	
2	-2756	26	9	23	23	14	1.03	1.00	65.8	
7	-2745	25	9	23	23	14	1.03	1.00	65.5	

8	-1937	24	7	23	23	14	1.03	1.00	48.5			

ASTA NUM. 360 NI 336 NF 335 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4844	-25	130	0	196	25	90.0	68.9	11.0	0.0	159.0	1	
1B	0	-4844	28	130	0	196	-23	90.0	67.8	11.0	0.0	157.8	1	
1C	0	-4844	-25	-96	0	-103	25	90.0	45.0	8.1	0.0	135.0	1	
1D	0	-4844	28	-96	0	-103	-23	90.0	43.9	8.1	0.0	133.9	1	
1E	0	5547	-25	130	0	196	25	103.1	68.9	11.0	0.0	172.0	1	
1F	0	5547	28	130	0	196	-23	103.1	67.8	11.0	0.0	170.9	1	
1G	0	5547	-25	-96	0	-103	25	103.1	45.0	8.1	0.0	148.1	1	
1H	0	5547	28	-96	0	-103	-23	103.1	43.9	8.1	0.0	147.0	1	
1I	0	-8813	-34	265	0	447	35	163.8	141.1	22.4	0.0	304.9	1	
1J	0	-8813	37	265	0	447	-33	163.8	140.0	22.4	0.0	303.8	1	
1K	0	-8813	-34	-230	0	-354	35	163.8	117.1	19.5	0.0	281.0	1	
1L	0	-8813	37	-230	0	-354	-33	163.8	116.0	19.5	0.0	279.8	1	
1M	0	9516	-34	265	0	447	35	176.9	141.1	22.4	0.0	318.0	1	
1N	0	9516	37	265	0	447	-33	176.9	140.0	22.4	0.0	316.8	1	
1O	0	9516	-34	-230	0	-354	35	176.9	117.1	19.5	0.0	294.0	1	
1P	0	9516	37	-230	0	-354	-33	176.9	116.0	19.5	0.0	292.9	1	
2	0	-75	-4	-203	0	16	9	1.4	11.0	17.2	0.0	29.8	4	
7	0	-53	-4	-203	0	17	9	1.0	11.4	17.2	0.0	29.8	4	
8	0	70	-2	-136	0	28	7	1.3	12.3	11.5	0.0	20.0	4	
1A	55	-4821	-25	130	0	147	10	89.6	45.1	11.0	0.0	134.8	1	
1B	55	-4821	28	130	0	147	-7	89.6	42.8	11.0	0.0	132.4	1	
1C	55	-4821	-25	-96	0	-73	10	89.6	26.1	8.1	0.0	115.7	1	
1D	55	-4821	28	-96	0	-73	-7	89.6	23.7	8.1	0.0	113.3	1	
1E	55	5570	-25	130	0	147	10	103.5	45.1	11.0	0.0	148.7	1	
1F	55	5570	28	130	0	147	-7	103.5	42.8	11.0	0.0	146.3	1	
1G	55	5570	-25	-96	0	-73	10	103.5	26.1	8.1	0.0	129.7	1	
1H	55	5570	28	-96	0	-73	-7	103.5	23.7	8.1	0.0	127.3	1	
1I	55	-8790	-34	265	0	307	16	163.4	90.8	22.4	0.0	254.1	1	
1J	55	-8790	37	265	0	307	-12	163.4	88.4	22.4	0.0	251.7	1	
1K	55	-8790	-34	-230	0	-233	16	163.4	71.7	19.5	0.0	235.1	1	
1L	55	-8790	37	-230	0	-233	-12	163.4	69.3	19.5	0.0	232.7	1	
1M	55	9539	-34	265	0	307	16	177.3	90.8	22.4	0.0	268.1	1	
1N	55	9539	37	265	0	307	-12	177.3	88.4	22.4	0.0	265.7	1	
1O	55	9539	-34	-230	0	-233	16	177.3	71.7	19.5	0.0	249.0	1	
1P	55	9539	37	-230	0	-233	-12	177.3	69.3	19.5	0.0	246.7	1	
2	55	-44	-4	-40	0	83	7	0.8	26.6	3.4	0.0	27.4	1	
7	55	-23	-4	-40	0	84	7	0.4	26.9	3.4	0.0	27.3	1	
8	55	101	-2	-22	0	72	6	1.9	22.6	1.9	0.0	24.5	1	
1A	111	-4797	-25	130	0	98	-5	89.2	28.9	11.0	0.0	118.1	1	
1B	111	-4797	28	130	0	98	10	89.2	32.6	11.0	0.0	121.7	1	
1C	111	-4797	-25	-96	0	-43	-5	89.2	14.8	8.1	0.0	104.0	1	
1D	111	-4797	28	-96	0	-43	10	89.2	18.5	8.1	0.0	107.6	1	
1E	111	5594	-25	130	0	98	-5	104.0	28.9	11.0	0.0	132.9	1	
1F	111	5594	28	130	0	98	10	104.0	32.6	11.0	0.0	136.5	1	
1G	111	5594	-25	-96	0	-43	-5	104.0	14.8	8.1	0.0	118.8	1	
1H	111	5594	28	-96	0	-43	10	104.0	18.5	8.1	0.0	122.4	1	
1I	111	-8766	-34	265	0	168	-4	162.9	45.8	22.4	0.0	208.7	1	
1J	111	-8766	37	265	0	168	8	162.9	49.4	22.4	0.0	212.4	1	
1K	111	-8766	-34	-230	0	-113	-4	162.9	31.7	19.5	0.0	194.6	1	
1L	111	-8766	37	-230	0	-113	8	162.9	35.3	19.5	0.0	198.3	1	
1M	111	9563	-34	265	0	168	-4	177.7	45.8	22.4	0.0	223.5	1	
1N	111	9563	37	265	0	168	8	177.7	49.4	22.4	0.0	227.2	1	
1O	111	9563	-34	-230	0	-113	-4	177.7	31.7	19.5	0.0	209.4	1	
1P	111	9563	37	-230	0	-113	8	177.7	35.3	19.5	0.0	213.1	1	
2	111	-14	-4	122	0	60	5	0.3	19.0	10.4	0.0	21.4	3	
7	111	8	-4	122	0	61	5	0.1	19.3	10.4	0.0	21.4	3	
8	111	131	-2	92	0	53	4	2.4	16.7	7.8	0.0	19.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4844	157	13	23	23	14	1.03	1.00	142.7	
1B	-4844	157	10	23	23	14	1.03	1.00	140.6	
1C	-4844	79	13	23	23	14	1.03	1.00	122.7	
1D	-4844	79	10	23	23	14	1.03	1.00	120.5	
1E	5594	157	13	23	23	14	1.00	1.00	153.9	
1F	5594	157	10	23	23	14	1.00	1.00	151.7	
1G	5594	79	13	23	23	14	1.00	1.00	133.9	
1H	5594	79	10	23	23	14	1.00	1.00	131.7	
1I	-8813	335	20	23	23	14	1.03	1.00	269.7	
1J	-8813	335	17	23	23	14	1.03	1.00	267.6	
1K	-8813	257	20	23	23	14	1.03	1.00	249.7	
1L	-8813	257	17	23	23	14	1.03	1.00	247.6	
1M	9563	335	20	23	23	14	1.00	1.00	278.6	
1N	9563	335	17	23	23	14	1.00	1.00	276.4	
1O	9563	257	20	23	23	14	1.00	1.00	258.6	
1P	9563	257	17	23	23	14	1.00	1.00	256.4	
2	-75	43	7	23	23	14	1.03	1.00	17.9	
7	-53	44	8	23	23	14	1.03	1.00	17.9	
8	131	43	6	23	23	14	1.00	1.00	17.8	

ASTA NUM. 361 NI 335 NF 334 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2750	-27	55	0	132	22	51.1	50.0	4.7	0.0	101.1	1	
1B	0	-2750	36	55	0	132	-23	51.1	50.9	4.7	0.0	102.1	1	
1C	0	-2750	-27	-146	0	-79	22	51.1	36.6	12.4	0.0	87.7	1	
1D	0	-2750	36	-146	0	-79	-23	51.1	37.5	12.4	0.0	88.6	1	
1E	0	3808	-27	55	0	132	22	70.8	50.0	4.7	0.0	120.8	1	
1F	0	3808	36	55	0	132	-23	70.8	50.9	4.7	0.0	121.7	1	
1G	0	3808	-27	-146	0	-79	22	70.8	36.6	12.4	0.0	107.3	1	
1H	0	3808	36	-146	0	-79	-23	70.8	37.5	12.4	0.0	108.3	1	
1I	0	-7515	-13	205	0	302	18	139.7	91.0	17.4	0.0	230.7	1	
1J	0	-7515	22	205	0	302	-19	139.7	92.0	17.4	0.0	231.7	1	
1K	0	-7515	-13	-296	0	-250	18	139.7	77.6	25.1	0.0	217.3	1	
1L	0	-7515	22	-296	0	-250	-19	139.7	78.5	25.1	0.0	218.2	1	
1M	0	8574	-13	205	0	302	18	159.4	91.0	17.4	0.0	250.4	1	
1N	0	8574	22	205	0	302	-19	159.4	92.0	17.4	0.0	251.3	1	
1O	0	8574	-13	-296	0	-250	18	159.4	77.6	25.1	0.0	236.9	1	
1P	0	8574	22	-296	0	-250	-19	159.4	78.5	25.1	0.0	237.9	1	
2	0	226	10	-217	0	39	0	4.2	10.1	18.4	0.0	32.1	4	
7	0	246	9	-218	0	39	0	4.6	10.5	18.5	0.0	32.4	4	
8	0	350	9	-170	0	37	-0	6.5	9.5	14.4	0.0	26.7	3	
1A	55	-2727	-27	55	0	91	4	50.7	26.2	4.7	0.0	76.9	1	
1B	55	-2727	36	55	0	91	-0	50.7	23.5	4.7	0.0	74.2	1	
1C	55	-2727	-27	-146	0	12	4	50.7	5.7	12.4	0.0	56.7	3	
1D	55	-2727	36	-146	0	12	-0	50.7	3.0	12.4	0.0	56.7	3	
1E	55	3832	-27	55	0	91	4	71.2	26.2	4.7	0.0	97.4	1	
1F	55	3832	36	55	0	91	-0	71.2	23.5	4.7	0.0	94.7	1	
1G	55	3832	-27	-146	0	12	4	71.2	5.7	12.4	0.0	76.9	1	
1H	55	3832	36	-146	0	12	-0	71.2	3.0	12.4	0.0	76.3	3	
1I	55	-7492	-13	205	0	185	21	139.3	63.4	17.4	0.0	202.7	1	
1J	55	-7492	22	205	0	185	-18	139.3	60.7	17.4	0.0	200.0	1	
1K	55	-7492	-13	-296	0	-82	21	139.3	36.9	25.1	0.0	176.2	1	
1L	55	-7492	22	-296	0	-82	-18	139.3	34.3	25.1	0.0	173.5	1	
1M	55	8597	-13	205	0	185	21	159.8	63.4	17.4	0.0	223.2	1	
1N	55	8597	22	205	0	185	-18	159.8	60.7	17.4	0.0	220.5	1	
1O	55	8597	-13	-296	0	-82	21	159.8	36.9	25.1	0.0	196.7	1	
1P	55	8597	22	-296	0	-82	-18	159.8	34.3	25.1	0.0	194.0	1	
2	55	256	10	-54	0	114	6	4.8	33.4	4.6	0.0	38.2	1	
7	55	277	9	-56	0	115	6	5.1	33.9	4.7	0.0	39.0	1	
8	55	380	9	-56	0	99	5	7.1	29.0	4.8	0.0	36.0	1	
1A	111	-2703	-27	55	0	51	-14	50.2	23.9	4.7	0.0	74.2	1	
1B	111	-2703	36	55	0	51	23	50.2	30.2	4.7	0.0	80.5	1	
1C	111	-2703	-27	-146	0	102	-14	50.2	37.1	12.4	0.0	87.3	1	
1D	111	-2703	36	-146	0	102	23	50.2	43.4	12.4	0.0	93.6	1	
1E	111	3855	-27	55	0	51	-14	71.7	23.9	4.7	0.0	95.6	1	
1F	111	3855	36	55	0	51	23	71.7	30.2	4.7	0.0	101.9	1	
1G	111	3855	-27	-146	0	102	-14	71.7	37.1	12.4	0.0	108.7	1	
1H	111	3855	36	-146	0	102	23	71.7	43.4	12.4	0.0	115.0	1	
1I	111	-7469	-13	205	0	67	25	138.8	35.8	17.4	0.0	174.6	1	
1J	111	-7469	22	205	0	67	-16	138.8	29.5	17.4	0.0	168.3	1	
1K	111	-7469	-13	-296	0	86	25	138.8	40.6	25.1	0.0	179.4	1	
1L	111	-7469	22	-296	0	86	-16	138.8	34.3	25.1	0.0	173.2	1	
1M	111	8620	-13	205	0	67	25	160.2	35.8	17.4	0.0	196.0	1	
1N	111	8620	22	205	0	67	-16	160.2	29.5	17.4	0.0	189.7	1	
1O	111	8620	-13	-296	0	86	25	160.2	40.6	25.1	0.0	200.9	1	
1P	111	8620	22	-296	0	86	-16	160.2	34.3	25.1	0.0	194.6	1	
2	111	286	10	108	0	99	11	5.3	33.5	9.2	0.0	38.9	1	
7	111	307	9	107	0	101	11	5.7	34.2	9.0	0.0	39.9	1	
8	111	410	9	57	0	99	9	7.6	32.4	4.9	0.0	40.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2750	99	9	23	23	14	1.03	1.00	84.7	
1B	-2750	99	9	23	23	14	1.03	1.00	85.1	
1C	-2750	41	9	23	23	14	1.03	1.00	69.7	
1D	-2750	41	9	23	23	14	1.03	1.00	70.0	
1E	3855	99	9	23	23	14	1.00	1.00	103.7	
1F	3855	99	9	23	23	14	1.00	1.00	104.1	
1G	3855	41	9	23	23	14	1.00	1.00	88.7	
1H	3855	41	9	23	23	14	1.00	1.00	89.0	
1I	-7515	208	22	23	23	14	1.03	1.00	214.0	
1J	-7515	208	18	23	23	14	1.03	1.00	211.0	
1K	-7515	116	22	23	23	14	1.03	1.00	190.1	
1L	-7515	116	18	23	23	14	1.03	1.00	187.1	
1M	8620	208	22	23	23	14	1.00	1.00	230.2	
1N	8620	208	18	23	23	14	1.00	1.00	227.2	
1O	8620	116	22	23	23	14	1.00	1.00	206.3	
1P	8620	116	18	23	23	14	1.00	1.00	203.3	
2	286	75	7	23	23	14	1.00	1.00	29.5	
7	307	76	7	23	23	14	1.00	1.00	30.4	
8	410	74	6	23	23	14	1.00	1.00	30.8	

ASTA NUM. 362 NI 334 NF 333 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	40	-157	166	0	133	27	0.7	54.2	14.0	0.0	55.0	1	
1B	0	40	182	166	0	133	-25	0.7	53.3	14.0	0.0	54.1	1	
1C	0	40	-157	-71	0	28	27	0.7	27.1	6.0	0.0	27.8	1	
1D	0	40	182	-71	0	28	-25	0.7	26.2	6.8	0.0	26.9	1	
1E	0	968	-157	166	0	133	27	18.0	54.2	14.0	0.0	72.2	1	
1F	0	968	182	166	0	133	-25	18.0	53.3	14.0	0.0	71.3	1	
1G	0	968	-157	-71	0	28	27	18.0	27.1	6.0	0.0	45.0	1	
1H	0	968	182	-71	0	28	-25	18.0	26.2	6.8	0.0	44.1	1	
1I	0	-801	-80	372	0	216	42	14.9	86.8	31.6	0.0	101.6	1	
1J	0	-801	104	372	0	216	-41	14.9	85.9	31.6	0.0	100.8	1	
1K	0	-801	-80	-277	0	-55	42	14.9	45.4	23.5	0.0	60.3	1	
1L	0	-801	104	-277	0	-55	-41	14.9	44.5	23.5	0.0	59.4	1	
1M	0	1809	-80	372	0	216	42	33.6	86.8	31.6	0.0	120.4	1	
1N	0	1809	104	372	0	216	-41	33.6	85.9	31.6	0.0	119.5	1	
1O	0	1809	-80	-277	0	-55	42	33.6	45.4	23.5	0.0	79.0	1	
1P	0	1809	104	-277	0	-55	-41	33.6	44.5	23.5	0.0	78.1	1	
2	0	336	4	-49	0	102	4	6.2	29.5	4.2	0.0	35.8	1	
7	0	353	4	-48	0	104	5	6.6	30.3	4.1	0.0	36.9	1	
8	0	436	8	-17	0	102	3	8.1	28.7	1.4	0.0	36.8	1	
1A	55	63	-157	166	0	31	-69	1.2	59.1	14.0	0.0	60.3	1	
1B	55	63	182	166	0	31	83	1.2	70.3	14.0	0.0	71.5	1	
1C	55	63	-157	-71	0	78	-69	1.2	71.3	6.0	0.0	72.5	1	
1D	55	63	182	-71	0	78	83	1.2	82.4	6.8	0.0	83.6	1	
1E	55	991	-157	166	0	31	-69	18.4	59.1	14.0	0.0	77.6	1	
1F	55	991	182	166	0	31	83	18.4	70.3	14.0	0.0	88.7	1	
1G	55	991	-157	-71	0	78	-69	18.4	71.3	6.0	0.0	89.7	1	
1H	55	991	182	-71	0	78	83	18.4	82.4	6.8	0.0	100.8	1	
1I	55	-778	-80	372	0	6	-5	14.5	5.5	31.6	0.0	56.6	4	
1J	55	-778	104	372	0	6	20	14.5	16.7	31.6	0.0	56.7	4	
1K	55	-778	-80	-277	0	102	-5	14.5	30.2	23.5	0.0	52.7	3	
1L	55	-778	104	-277	0	102	20	14.5	41.4	23.5	0.0	55.8	1	
1M	55	1832	-80	372	0	6	-5	34.1	5.5	31.6	0.0	64.5	4	
1N	55	1832	104	372	0	6	20	34.1	16.7	31.6	0.0	64.7	4	
1O	55	1832	-80	-277	0	102	-5	34.1	30.2	23.5	0.0	68.2	3	
1P	55	1832	104	-277	0	102	20	34.1	41.4	23.5	0.0	75.4	1	
2	55	366	4	113	0	84	7	6.8	26.7	9.6	0.0	33.5	1	
7	55	383	4	114	0	86	7	7.1	27.2	9.7	0.0	34.3	1	
8	55	466	8	97	0	80	8	8.7	26.5	8.2	0.0	35.1	1	
1A	111	86	-157	166	0	-72	-164	1.6	141.0	14.0	0.0	142.7	1	
1B	111	86	182	166	0	-72	192	1.6	162.4	14.0	0.0	164.0	1	
1C	111	86	-157	-71	0	128	-164	1.6	155.4	6.0	0.0	157.0	1	
1D	111	86	182	-71	0	128	192	1.6	176.8	6.8	0.0	178.4	1	
1E	111	1015	-157	166	0	-72	-164	18.9	141.0	14.0	0.0	159.9	1	
1F	111	1015	182	166	0	-72	192	18.9	162.4	14.0	0.0	181.3	1	
1G	111	1015	-157	-71	0	128	-164	18.9	155.4	6.0	0.0	174.3	1	
1H	111	1015	182	-71	0	128	192	18.9	176.8	6.8	0.0	195.7	1	
1I	111	-754	-80	372	0	-203	-52	14.0	91.5	31.6	0.0	105.5	1	
1J	111	-754	104	372	0	-203	81	14.0	112.8	31.6	0.0	126.9	1	
1K	111	-754	-80	-277	0	259	-52	14.0	105.8	23.5	0.0	119.8	1	
1L	111	-754	104	-277	0	259	81	14.0	127.2	23.5	0.0	141.2	1	
1M	111	1855	-80	372	0	-203	-52	34.5	91.5	31.6	0.0	125.9	1	
1N	111	1855	104	372	0	-203	81	34.5	112.8	31.6	0.0	147.3	1	
1O	111	1855	-80	-277	0	259	-52	34.5	105.8	23.5	0.0	140.3	1	
1P	111	1855	104	-277	0	259	81	34.5	127.2	23.5	0.0	161.7	1	
2	111	397	4	276	0	-23	9	7.4	12.8	23.4	0.0	41.2	4	
7	111	414	4	277	0	-22	9	7.7	12.4	23.5	0.0	41.4	4	
8	111	496	8	210	0	-5	12	9.2	10.3	17.8	0.0	32.3	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	86	53	88	23	23	14	1.00	1.00	80.8	
1B	86	53	105	23	23	14	1.00	1.00	94.0	
1C	86	88	88	23	23	14	1.00	1.00	89.7	
1D	86	88	105	23	23	14	1.00	1.00	102.9	
1E	1015	53	88	23	23	14	1.00	1.00	98.1	
1F	1015	53	105	23	23	14	1.00	1.00	111.3	
1G	1015	88	88	23	23	14	1.00	1.00	107.0	
1H	1015	88	105	23	23	14	1.00	1.00	120.2	
1I	-801	86	21	23	23	14	1.03	1.00	53.2	
1J	-801	86	32	23	23	14	1.03	1.00	61.8	
1K	-801	134	21	23	23	14	1.03	1.00	65.4	
1L	-801	134	32	23	23	14	1.03	1.00	73.9	
1M	1855	86	21	23	23	14	1.00	1.00	72.3	
1N	1855	86	32	23	23	14	1.00	1.00	80.9	
1O	1855	134	21	23	23	14	1.00	1.00	84.5	
1P	1855	134	32	23	23	14	1.00	1.00	93.1	
2	397	52	7	23	23	14	1.00	1.00	26.1	
7	414	54	7	23	23	14	1.00	1.00	26.9	
8	496	60	9	23	23	14	1.00	1.00	31.0	

ASTA NUM. 363 NI 333 NF 323 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1220	-182	165	0	131	195	22.7	179.7	14.0	0.0	202.4	1	
1B	0	-1220	150	165	0	131	-164	22.7	156.6	14.0	0.0	179.3	1	
1C	0	-1220	-182	17	0	-30	195	22.7	153.8	6.8	0.0	176.5	1	
1D	0	-1220	150	17	0	-30	-164	22.7	130.7	5.6	0.0	153.4	1	
1E	0	2251	-182	165	0	131	195	41.8	179.7	14.0	0.0	221.5	1	
1F	0	2251	150	165	0	131	-164	41.8	156.6	14.0	0.0	198.4	1	
1G	0	2251	-182	17	0	-30	195	41.8	153.8	6.8	0.0	195.7	1	
1H	0	2251	150	17	0	-30	-164	41.8	130.7	5.6	0.0	172.6	1	
1I	0	-1029	-91	171	0	203	90	19.1	119.6	14.5	0.0	138.8	1	
1J	0	-1029	59	171	0	203	-59	19.1	96.5	14.5	0.0	115.7	1	
1K	0	-1029	-91	12	0	-103	90	19.1	93.8	3.4	0.0	112.9	1	
1L	0	-1029	59	12	0	-103	-59	19.1	70.7	2.2	0.0	89.8	1	
1M	0	2060	-91	171	0	203	90	38.3	119.6	14.5	0.0	157.9	1	
1N	0	2060	59	171	0	203	-59	38.3	96.5	14.5	0.0	134.8	1	
1O	0	2060	-91	12	0	-103	90	38.3	93.8	3.4	0.0	132.1	1	
1P	0	2060	59	12	0	-103	-59	38.3	70.7	2.2	0.0	109.0	1	
2	0	342	-6	-88	0	6	6	6.4	6.1	7.4	0.0	14.4	4	
7	0	353	-6	-85	0	8	6	6.6	6.2	7.2	0.0	14.2	4	
8	0	445	-11	-25	0	25	11	8.3	14.4	2.1	0.0	22.6	1	
1A	55	-1197	-182	165	0	17	93	22.2	74.1	14.0	0.0	96.3	1	
1B	55	-1197	150	165	0	17	-80	22.2	64.4	14.0	0.0	86.6	1	
1C	55	-1197	-182	17	0	-17	93	22.2	74.2	6.8	0.0	96.4	1	
1D	55	-1197	150	17	0	-17	-80	22.2	64.5	5.6	0.0	86.8	1	
1E	55	2274	-182	165	0	17	93	42.3	74.1	14.0	0.0	116.3	1	
1F	55	2274	150	165	0	17	-80	42.3	64.4	14.0	0.0	106.7	1	
1G	55	2274	-182	17	0	-17	93	42.3	74.2	6.8	0.0	116.5	1	
1H	55	2274	150	17	0	-17	-80	42.3	64.5	5.6	0.0	106.8	1	
1I	55	-1006	-91	171	0	117	39	18.7	59.5	14.5	0.0	78.2	1	
1J	55	-1006	59	171	0	117	-26	18.7	49.8	14.5	0.0	68.5	1	
1K	55	-1006	-91	12	0	-118	39	18.7	59.6	3.4	0.0	78.3	1	
1L	55	-1006	59	12	0	-118	-26	18.7	49.9	2.2	0.0	68.6	1	
1M	55	2083	-91	171	0	117	39	38.7	59.5	14.5	0.0	98.2	1	
1N	55	2083	59	171	0	117	-26	38.7	49.8	14.5	0.0	88.5	1	
1O	55	2083	-91	12	0	-118	39	38.7	59.6	3.4	0.0	98.3	1	
1P	55	2083	59	12	0	-118	-26	38.7	49.9	2.2	0.0	88.6	1	
2	55	373	-6	75	0	10	3	6.9	4.5	6.4	0.0	13.4	3	
7	55	384	-6	77	0	10	3	7.1	4.4	6.6	0.0	13.8	3	
8	55	476	-11	89	0	7	5	8.8	5.2	7.5	0.0	15.8	4	
1A	111	-1173	-182	165	0	-98	-9	21.8	31.6	14.0	0.0	53.4	1	
1B	111	-1173	150	165	0	-98	4	21.8	27.8	14.0	0.0	50.3	3	
1C	111	-1173	-182	17	0	-4	-9	21.8	7.4	6.8	0.0	29.2	1	
1D	111	-1173	150	17	0	-4	4	21.8	3.6	5.6	0.0	25.5	1	
1E	111	2298	-182	165	0	-98	-9	42.7	31.6	14.0	0.0	74.3	1	
1F	111	2298	150	165	0	-98	4	42.7	27.8	14.0	0.0	70.5	1	
1G	111	2298	-182	17	0	-4	-9	42.7	7.4	6.8	0.0	50.1	1	
1H	111	2298	150	17	0	-4	4	42.7	3.6	5.6	0.0	46.4	1	
1I	111	-982	-91	171	0	31	-12	18.3	16.8	14.5	0.0	35.0	1	
1J	111	-982	59	171	0	31	7	18.3	13.0	14.5	0.0	34.1	3	
1K	111	-982	-91	12	0	-133	-12	18.3	42.9	3.4	0.0	61.2	1	
1L	111	-982	59	12	0	-133	7	18.3	39.2	2.2	0.0	57.4	1	
1M	111	2107	-91	171	0	31	-12	39.2	16.8	14.5	0.0	55.9	1	
1N	111	2107	59	171	0	31	7	39.2	13.0	14.5	0.0	52.2	1	
1O	111	2107	-91	12	0	-133	-12	39.2	42.9	3.4	0.0	82.1	1	
1P	111	2107	59	12	0	-133	7	39.2	39.2	2.2	0.0	78.3	1	
2	111	403	-6	237	0	-77	-1	7.5	20.3	20.1	0.0	39.8	3	
7	111	414	-6	240	0	-78	-1	7.7	20.6	20.3	0.0	40.4	3	
8	111	506	-11	202	0	-73	-2	9.4	20.1	17.2	0.0	37.2	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1220	52	114	23	23	14	1.03	1.00	121.9	
1B	-1220	52	97	23	23	14	1.03	1.00	109.6	
1C	-1220	20	114	23	23	14	1.03	1.00	113.5	
1D	-1220	20	97	23	23	14	1.03	1.00	101.2	
1E	2298	52	114	23	23	14	1.00	1.00	141.2	
1F	2298	52	97	23	23	14	1.00	1.00	128.9	
1G	2298	20	114	23	23	14	1.00	1.00	132.8	
1H	2298	20	97	23	23	14	1.00	1.00	120.5	
1I	-1029	134	49	23	23	14	1.03	1.00	91.2	
1J	-1029	134	33	23	23	14	1.03	1.00	78.9	
1K	-1029	121	49	23	23	14	1.03	1.00	87.7	
1L	-1029	121	33	23	23	14	1.03	1.00	75.3	
1M	2107	134	49	23	23	14	1.00	1.00	110.7	
1N	2107	134	33	23	23	14	1.00	1.00	98.3	
1O	2107	121	49	23	23	14	1.00	1.00	107.1	
1P	2107	121	33	23	23	14	1.00	1.00	94.8	
2	403	43	3	23	23	14	1.00	1.00	21.1	
7	414	44	3	23	23	14	1.00	1.00	21.3	
8	506	34	6	23	23	14	1.00	1.00	22.5	

ASTA NUM. 364 NI 300 NF 299 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-12923	-22	223	0	258	13	240.2	76.3	18.9	0.0	316.5	1	
1B	0	-12923	25	223	0	258	-9	240.2	72.7	18.9	0.0	312.9	1	
1C	0	-12923	-22	-154	0	-218	13	240.2	66.1	13.1	0.0	306.3	1	
1D	0	-12923	25	-154	0	-218	-9	240.2	62.5	13.1	0.0	302.7	1	
1E	0	9301	-22	223	0	258	13	172.9	76.3	18.9	0.0	249.2	1	
1F	0	9301	25	223	0	258	-9	172.9	72.7	18.9	0.0	245.6	1	
1G	0	9301	-22	-154	0	-218	13	172.9	66.1	13.1	0.0	239.0	1	
1H	0	9301	25	-154	0	-218	-9	172.9	62.5	13.1	0.0	235.4	1	
1I	0	-20505	-28	279	0	634	24	381.1	180.8	23.6	0.0	561.9	1	
1J	0	-20505	31	279	0	634	-19	381.1	177.2	23.6	0.0	558.3	1	
1K	0	-20505	-28	-210	0	-594	24	381.1	170.6	17.8	0.0	551.8	1	
1L	0	-20505	31	-210	0	-594	-19	381.1	167.0	17.8	0.0	548.2	1	
1M	0	16883	-28	279	0	634	24	313.8	180.8	23.6	0.0	494.6	1	
1N	0	16883	31	279	0	634	-19	313.8	177.2	23.6	0.0	491.0	1	
1O	0	16883	-28	-210	0	-594	24	313.8	170.6	17.8	0.0	484.4	1	
1P	0	16883	31	-210	0	-594	-19	313.8	167.0	17.8	0.0	480.8	1	
2	0	-10430	13	-356	0	-242	12	193.9	71.6	30.2	0.0	265.4	1	
7	0	-9639	12	-364	0	-241	12	179.2	70.7	30.9	0.0	249.8	1	
8	0	-8184	10	-236	0	-166	10	152.1	50.2	20.1	0.0	202.3	1	
1A	55	-12900	-22	223	0	229	24	239.8	76.9	18.9	0.0	316.7	1	
1B	55	-12900	25	223	0	229	-18	239.8	72.1	18.9	0.0	311.8	1	
1C	55	-12900	-22	-154	0	-228	24	239.8	76.6	13.1	0.0	316.3	1	
1D	55	-12900	25	-154	0	-228	-18	239.8	71.7	13.1	0.0	311.5	1	
1E	55	9324	-22	223	0	229	24	173.3	76.9	18.9	0.0	250.2	1	
1F	55	9324	25	223	0	229	-18	173.3	72.1	18.9	0.0	245.4	1	
1G	55	9324	-22	-154	0	-228	24	173.3	76.6	13.1	0.0	249.9	1	
1H	55	9324	25	-154	0	-228	-18	173.3	71.7	13.1	0.0	245.0	1	
1I	55	-20482	-28	279	0	508	40	380.7	160.7	23.6	0.0	541.4	1	
1J	55	-20482	31	279	0	508	-33	380.7	155.8	23.6	0.0	536.5	1	
1K	55	-20482	-28	-210	0	-507	40	380.7	160.3	17.8	0.0	541.0	1	
1L	55	-20482	31	-210	0	-507	-33	380.7	155.5	17.8	0.0	536.2	1	
1M	55	16907	-28	279	0	508	40	314.3	160.7	23.6	0.0	474.9	1	
1N	55	16907	31	279	0	508	-33	314.3	155.8	23.6	0.0	470.1	1	
1O	55	16907	-28	-210	0	-507	40	314.3	160.3	17.8	0.0	474.6	1	
1P	55	16907	31	-210	0	-507	-33	314.3	155.5	17.8	0.0	469.8	1	
2	55	-10400	13	-140	0	-105	20	193.3	41.7	11.8	0.0	235.0	1	
7	55	-9608	12	-148	0	-99	18	178.6	39.3	12.5	0.0	217.9	1	
8	55	-8154	10	-85	0	-77	15	151.6	31.4	7.2	0.0	183.0	1	
1A	111	-12876	-22	223	0	200	35	239.3	77.5	18.9	0.0	316.8	1	
1B	111	-12876	25	223	0	200	-26	239.3	71.4	18.9	0.0	310.7	1	
1C	111	-12876	-22	-154	0	-237	35	239.3	87.0	13.1	0.0	326.3	1	
1D	111	-12876	25	-154	0	-237	-26	239.3	80.9	13.1	0.0	320.2	1	
1E	111	9348	-22	223	0	200	35	173.8	77.5	18.9	0.0	251.2	1	
1F	111	9348	25	223	0	200	-26	173.8	71.4	18.9	0.0	245.1	1	
1G	111	9348	-22	-154	0	-237	35	173.8	87.0	13.1	0.0	260.7	1	
1H	111	9348	25	-154	0	-237	-26	173.8	80.9	13.1	0.0	254.6	1	
1I	111	-20458	-28	279	0	383	56	380.3	140.6	23.6	0.0	520.8	1	
1J	111	-20458	31	279	0	383	-48	380.3	134.5	23.6	0.0	514.8	1	
1K	111	-20458	-28	-210	0	-419	56	380.3	150.1	17.8	0.0	530.3	1	
1L	111	-20458	31	-210	0	-419	-48	380.3	144.0	17.8	0.0	524.3	1	
1M	111	16930	-28	279	0	383	56	314.7	140.6	23.6	0.0	455.3	1	
1N	111	16930	31	279	0	383	-48	314.7	134.5	23.6	0.0	449.2	1	
1O	111	16930	-28	-210	0	-419	56	314.7	150.1	17.8	0.0	464.8	1	
1P	111	16930	31	-210	0	-419	-48	314.7	144.0	17.8	0.0	458.7	1	
2	111	-10370	13	77	0	-87	27	192.8	42.8	6.5	0.0	235.5	1	
7	111	-9578	12	69	0	-77	25	178.0	38.8	5.8	0.0	216.8	1	
8	111	-8123	10	67	0	-72	21	151.0	34.3	5.7	0.0	185.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12923	235	26	23	23	14	1.03	1.00	327.6	
1B	-12923	235	19	23	23	14	1.03	1.00	322.5	
1C	-12923	230	26	23	23	14	1.03	1.00	326.3	
1D	-12923	230	19	23	23	14	1.03	1.00	321.2	
1E	9348	235	26	23	23	14	1.00	1.00	253.7	
1F	9348	235	19	23	23	14	1.00	1.00	248.6	
1G	9348	230	26	23	23	14	1.00	1.00	252.4	
1H	9348	230	19	23	23	14	1.00	1.00	247.3	
1I	-20505	533	43	23	23	14	1.03	1.00	563.0	
1J	-20505	533	36	23	23	14	1.03	1.00	557.9	
1K	-20505	524	43	23	23	14	1.03	1.00	560.7	
1L	-20505	524	36	23	23	14	1.03	1.00	555.5	
1M	16930	533	43	23	23	14	1.00	1.00	484.3	
1N	16930	533	36	23	23	14	1.00	1.00	479.2	
1O	16930	524	43	23	23	14	1.00	1.00	482.0	
1P	16930	524	36	23	23	14	1.00	1.00	476.9	
2	-10430	180	21	23	23	14	1.03	1.00	262.1	
7	-9639	175	20	23	23	14	1.03	1.00	244.7	
8	-8184	129	17	23	23	14	1.03	1.00	202.3	

ASTA NUM. 365 NI 299 NF 298 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-12671	-28	96	0	234	26	235.5	79.3	8.2	0.0	314.8	1	
1B	0	-12671	21	96	0	234	-16	235.5	72.0	8.2	0.0	307.6	1	
1C	0	-12671	-28	-202	0	-286	26	235.5	92.7	17.2	0.0	328.2	1	
1D	0	-12671	21	-202	0	-286	-16	235.5	85.5	17.2	0.0	321.0	1	
1E	0	9233	-28	96	0	234	26	171.6	79.3	8.2	0.0	250.9	1	
1F	0	9233	21	96	0	234	-16	171.6	72.0	8.2	0.0	243.7	1	
1G	0	9233	-28	-202	0	-286	26	171.6	92.7	17.2	0.0	264.3	1	
1H	0	9233	21	-202	0	-286	-16	171.6	85.5	17.2	0.0	257.1	1	
1I	0	-19801	-44	176	0	527	52	368.1	174.7	15.0	0.0	542.8	1	
1J	0	-19801	37	176	0	527	-43	368.1	167.5	15.0	0.0	535.5	1	
1K	0	-19801	-44	-282	0	-579	52	368.1	188.1	24.0	0.0	556.2	1	
1L	0	-19801	37	-282	0	-579	-43	368.1	180.9	24.0	0.0	549.0	1	
1M	0	16363	-44	176	0	527	52	304.1	174.7	15.0	0.0	478.8	1	
1N	0	16363	37	176	0	527	-43	304.1	167.5	15.0	0.0	471.6	1	
1O	0	16363	-44	-282	0	-579	52	304.1	188.1	24.0	0.0	492.3	1	
1P	0	16363	37	-282	0	-579	-43	304.1	180.9	24.0	0.0	485.1	1	
2	0	-9738	-14	-505	0	-240	27	181.0	81.7	42.9	0.0	262.7	1	
7	0	-8969	-13	-484	0	-225	25	166.7	76.6	41.0	0.0	243.3	1	
8	0	-7661	-12	-377	0	-183	21	142.4	63.0	31.9	0.0	205.4	1	
1A	55	-12648	-28	96	0	190	4	235.1	51.7	8.2	0.0	286.8	1	
1B	55	-12648	21	96	0	190	2	235.1	50.4	8.2	0.0	285.4	1	
1C	55	-12648	-28	-202	0	-183	4	235.1	50.0	17.2	0.0	285.1	1	
1D	55	-12648	21	-202	0	-183	2	235.1	48.7	17.2	0.0	283.8	1	
1E	55	9256	-28	96	0	190	4	172.1	51.7	8.2	0.0	223.7	1	
1F	55	9256	21	96	0	190	2	172.1	50.4	8.2	0.0	222.4	1	
1G	55	9256	-28	-202	0	-183	4	172.1	50.0	17.2	0.0	222.1	1	
1H	55	9256	21	-202	0	-183	2	172.1	48.7	17.2	0.0	220.8	1	
1I	55	-19778	-44	176	0	432	32	367.6	135.3	15.0	0.0	502.9	1	
1J	55	-19778	37	176	0	432	-26	367.6	130.9	15.0	0.0	498.5	1	
1K	55	-19778	-44	-282	0	-426	32	367.6	133.7	24.0	0.0	501.3	1	
1L	55	-19778	37	-282	0	-426	-26	367.6	129.2	24.0	0.0	496.9	1	
1M	55	16387	-44	176	0	432	32	304.6	135.3	15.0	0.0	439.9	1	
1N	55	16387	37	176	0	432	-26	304.6	130.9	15.0	0.0	435.5	1	
1O	55	16387	-44	-282	0	-426	32	304.6	133.7	24.0	0.0	438.3	1	
1P	55	16387	37	-282	0	-426	-26	304.6	129.2	24.0	0.0	433.8	1	
2	55	-9708	-14	-289	0	-20	19	180.4	19.4	24.5	0.0	199.9	1	
7	55	-8939	-13	-267	0	-17	18	166.2	17.6	22.6	0.0	183.7	1	
8	55	-7630	-12	-225	0	-17	15	141.8	15.3	19.1	0.0	157.1	1	
1A	111	-12624	-28	96	0	146	-18	234.6	50.9	8.2	0.0	285.6	1	
1B	111	-12624	21	96	0	146	20	234.6	52.6	8.2	0.0	287.2	1	
1C	111	-12624	-28	-202	0	-81	-18	234.6	34.2	17.2	0.0	268.8	1	
1D	111	-12624	21	-202	0	-81	20	234.6	35.8	17.2	0.0	270.5	1	
1E	111	9280	-28	96	0	146	-18	172.5	50.9	8.2	0.0	223.4	1	
1F	111	9280	21	96	0	146	20	172.5	52.6	8.2	0.0	225.1	1	
1G	111	9280	-28	-202	0	-81	-18	172.5	34.2	17.2	0.0	206.7	1	
1H	111	9280	21	-202	0	-81	20	172.5	35.8	17.2	0.0	208.3	1	
1I	111	-19754	-44	176	0	337	12	367.2	96.0	15.0	0.0	463.1	1	
1J	111	-19754	37	176	0	337	-10	367.2	94.3	15.0	0.0	461.5	1	
1K	111	-19754	-44	-282	0	-272	12	367.2	79.2	24.0	0.0	446.4	1	
1L	111	-19754	37	-282	0	-272	-10	367.2	77.6	24.0	0.0	444.8	1	
1M	111	16410	-44	176	0	337	12	305.0	96.0	15.0	0.0	401.0	1	
1N	111	16410	37	176	0	337	-10	305.0	94.3	15.0	0.0	399.4	1	
1O	111	16410	-44	-282	0	-272	12	305.0	79.2	24.0	0.0	384.2	1	
1P	111	16410	37	-282	0	-272	-10	305.0	77.6	24.0	0.0	382.6	1	
2	111	-9677	-14	-72	0	80	11	179.9	29.0	6.1	0.0	208.9	1	
7	111	-8909	-13	-50	0	71	10	165.6	25.8	4.3	0.0	191.4	1	
8	111	-7600	-12	-73	0	66	8	141.3	23.2	6.2	0.0	164.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-12671	198	10	23	23	14	1.03	1.00	301.5	
1B	-12671	198	8	23	23	14	1.03	1.00	299.8	
1C	-12671	204	10	23	23	14	1.03	1.00	302.8	
1D	-12671	204	8	23	23	14	1.03	1.00	301.2	
1E	9280	198	10	23	23	14	1.00	1.00	231.2	
1F	9280	198	8	23	23	14	1.00	1.00	229.6	
1G	9280	204	10	23	23	14	1.00	1.00	232.6	
1H	9280	204	8	23	23	14	1.00	1.00	230.9	
1I	-19801	451	36	23	23	14	1.03	1.00	523.0	
1J	-19801	451	30	23	23	14	1.03	1.00	517.9	
1K	-19801	456	36	23	23	14	1.03	1.00	524.3	
1L	-19801	456	30	23	23	14	1.03	1.00	519.3	
1M	16410	451	36	23	23	14	1.00	1.00	448.2	
1N	16410	451	30	23	23	14	1.00	1.00	443.2	
1O	16410	456	36	23	23	14	1.00	1.00	449.6	
1P	16410	456	30	23	23	14	1.00	1.00	444.6	
2	-9738	112	21	23	23	14	1.03	1.00	230.8	
7	-8969	107	19	23	23	14	1.03	1.00	213.5	
8	-7661	83	16	23	23	14	1.03	1.00	180.2	

ASTA NUM. 366 NI 298 NF 297 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq					
1A	0	-10335	-32	194	0	197	11	192.1	59.2	16.4	0.0	251.3	1
1B	0	-10335	24	194	0	197	-10	192.1	58.6	16.4	0.0	250.7	1
1C	0	-10335	-32	-139	0	-148	11	192.1	46.5	11.8	0.0	238.6	1
1D	0	-10335	24	-139	0	-148	-10	192.1	45.9	11.8	0.0	238.0	1
1E	0	7833	-32	194	0	197	11	145.6	59.2	16.4	0.0	204.8	1
1F	0	7833	24	194	0	197	-10	145.6	58.6	16.4	0.0	204.2	1
1G	0	7833	-32	-139	0	-148	11	145.6	46.5	11.8	0.0	192.1	1
1H	0	7833	24	-139	0	-148	-10	145.6	45.9	11.8	0.0	191.5	1
1I	0	-11174	-44	318	0	484	14	207.7	134.6	27.0	0.0	342.3	1
1J	0	-11174	36	318	0	484	-13	207.7	134.0	27.0	0.0	341.7	1
1K	0	-11174	-44	-264	0	-434	14	207.7	121.9	22.4	0.0	329.6	1
1L	0	-11174	36	-264	0	-434	-13	207.7	121.3	22.4	0.0	329.0	1
1M	0	8672	-44	318	0	484	14	161.2	134.6	27.0	0.0	295.8	1
1N	0	8672	36	318	0	484	-13	161.2	134.0	27.0	0.0	295.2	1
1O	0	8672	-44	-264	0	-434	14	161.2	121.9	22.4	0.0	283.1	1
1P	0	8672	36	-264	0	-434	-13	161.2	121.3	22.4	0.0	282.5	1
2	0	-2895	-15	-316	0	-43	10	53.8	18.2	26.8	0.0	75.9	3
7	0	-2400	-14	-322	0	-47	9	44.6	18.7	27.3	0.0	69.6	3
8	0	-2630	-12	-212	0	-24	7	48.9	11.4	18.0	0.0	61.1	3
1A	55	-10312	-32	194	0	33	-7	191.7	13.7	16.4	0.0	205.4	1
1B	55	-10312	24	194	0	33	4	191.7	11.2	16.4	0.0	202.9	1
1C	55	-10312	-32	-139	0	-13	-7	191.7	8.8	11.8	0.0	200.4	1
1D	55	-10312	24	-139	0	-13	4	191.7	6.2	11.8	0.0	197.9	1
1E	55	7856	-32	194	0	33	-7	146.0	13.7	16.4	0.0	159.8	1
1F	55	7856	24	194	0	33	4	146.0	11.2	16.4	0.0	157.3	1
1G	55	7856	-32	-139	0	-13	-7	146.0	8.8	11.8	0.0	154.8	1
1H	55	7856	24	-139	0	-13	4	146.0	6.2	11.8	0.0	152.3	1
1I	55	-11151	-44	318	0	329	-11	207.3	92.7	27.0	0.0	300.0	1
1J	55	-11151	36	318	0	329	8	207.3	90.2	27.0	0.0	297.5	1
1K	55	-11151	-44	-264	0	-309	-11	207.3	87.7	22.4	0.0	295.0	1
1L	55	-11151	36	-264	0	-309	8	207.3	85.2	22.4	0.0	292.5	1
1M	55	8696	-44	318	0	329	-11	161.6	92.7	27.0	0.0	254.3	1
1N	55	8696	36	318	0	329	8	161.6	90.2	27.0	0.0	251.8	1
1O	55	8696	-44	-264	0	-309	-11	161.6	87.7	22.4	0.0	249.4	1
1P	55	8696	36	-264	0	-309	8	161.6	85.2	22.4	0.0	246.8	1
2	55	-2865	-15	-100	0	73	1	53.3	19.8	8.5	0.0	73.0	1
7	55	-2370	-14	-105	0	72	1	44.0	19.3	8.9	0.0	63.4	1
8	55	-2600	-12	-61	0	52	0	48.3	13.4	5.1	0.0	61.8	1
1A	111	-10288	-32	194	0	-132	-26	191.2	53.1	16.4	0.0	244.4	1
1B	111	-10288	24	194	0	-132	18	191.2	47.5	16.4	0.0	238.7	1
1C	111	-10288	-32	-139	0	121	-26	191.2	50.3	11.8	0.0	241.6	1
1D	111	-10288	24	-139	0	121	18	191.2	44.7	11.8	0.0	235.9	1
1E	111	7880	-32	194	0	-132	-26	146.5	53.1	16.4	0.0	199.6	1
1F	111	7880	24	194	0	-132	18	146.5	47.5	16.4	0.0	194.0	1
1G	111	7880	-32	-139	0	121	-26	146.5	50.3	11.8	0.0	196.8	1
1H	111	7880	24	-139	0	121	18	146.5	44.7	11.8	0.0	191.2	1
1I	111	-11127	-44	318	0	173	-35	206.8	71.0	27.0	0.0	277.9	1
1J	111	-11127	36	318	0	173	28	206.8	65.4	27.0	0.0	272.2	1
1K	111	-11127	-44	-264	0	-184	-35	206.8	73.8	22.4	0.0	280.7	1
1L	111	-11127	36	-264	0	-184	28	206.8	68.2	22.4	0.0	275.0	1
1M	111	8719	-44	318	0	173	-35	162.1	71.0	27.0	0.0	233.1	1
1N	111	8719	36	318	0	173	28	162.1	65.4	27.0	0.0	227.5	1
1O	111	8719	-44	-264	0	-184	-35	162.1	73.8	22.4	0.0	235.9	1
1P	111	8719	36	-264	0	-184	28	162.1	68.2	22.4	0.0	230.3	1
2	111	-2835	-15	117	0	68	-7	52.7	22.6	9.9	0.0	75.3	1
7	111	-2339	-14	111	0	70	-7	43.5	22.9	9.4	0.0	66.4	1
8	111	-2570	-12	91	0	43	-7	47.8	16.2	7.7	0.0	64.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10335	79	11	23	23	14	1.03	1.00	226.4	
1B	-10335	79	7	23	23	14	1.03	1.00	223.6	
1C	-10335	59	11	23	23	14	1.03	1.00	221.3	
1D	-10335	59	7	23	23	14	1.03	1.00	218.5	
1E	7880	79	11	23	23	14	1.00	1.00	174.9	
1F	7880	79	7	23	23	14	1.00	1.00	172.2	
1G	7880	59	11	23	23	14	1.00	1.00	169.8	
1H	7880	59	7	23	23	14	1.00	1.00	167.1	
1I	-11174	360	16	23	23	14	1.03	1.00	318.5	
1J	-11174	360	12	23	23	14	1.03	1.00	315.4	
1K	-11174	334	16	23	23	14	1.03	1.00	312.0	
1L	-11174	334	12	23	23	14	1.03	1.00	308.8	
1M	8719	360	16	23	23	14	1.00	1.00	266.4	
1N	8719	360	12	23	23	14	1.00	1.00	263.3	
1O	8719	334	16	23	23	14	1.00	1.00	259.9	
1P	8719	334	12	23	23	14	1.00	1.00	256.8	
2	-2895	27	4	23	23	14	1.03	1.00	65.3	
7	-2400	28	4	23	23	14	1.03	1.00	55.8	
8	-2630	17	3	23	23	14	1.03	1.00	56.9	

ASTA NUM. 367 NI 297 NF 296 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq				
1A	0	-5174	-20	69	0	138	14	96.2	46.4	5.9	0.0	142.5	1
1B	0	-5174	24	69	0	138	-16	96.2	47.8	5.9	0.0	144.0	1
1C	0	-5174	-20	-170	0	-163	14	96.2	52.7	14.4	0.0	148.9	1
1D	0	-5174	24	-170	0	-163	-16	96.2	54.1	14.4	0.0	150.3	1
1E	0	2964	-20	69	0	138	14	55.1	46.4	5.9	0.0	101.5	1
1F	0	2964	24	69	0	138	-16	55.1	47.8	5.9	0.0	102.9	1
1G	0	2964	-20	-170	0	-163	14	55.1	52.7	14.4	0.0	107.8	1
1H	0	2964	24	-170	0	-163	-16	55.1	54.1	14.4	0.0	109.2	1
1I	0	-10156	-12	190	0	314	25	188.8	99.4	16.1	0.0	288.2	1
1J	0	-10156	17	190	0	314	-27	188.8	100.8	16.1	0.0	289.6	1
1K	0	-10156	-12	-291	0	-339	25	188.8	105.7	24.6	0.0	294.5	1
1L	0	-10156	17	-291	0	-339	-27	188.8	107.2	24.6	0.0	295.9	1
1M	0	7946	-12	190	0	314	25	147.7	99.4	16.1	0.0	247.1	1
1N	0	7946	17	190	0	314	-27	147.7	100.8	16.1	0.0	248.5	1
1O	0	7946	-12	-291	0	-339	25	147.7	105.7	24.6	0.0	253.4	1
1P	0	7946	17	-291	0	-339	-27	147.7	107.2	24.6	0.0	254.9	1
2	0	-2443	3	-417	0	-22	-5	45.4	9.2	35.3	0.0	76.3	4
7	0	-2043	1	-395	0	-16	-4	38.0	6.9	33.5	0.0	69.4	4
8	0	-2232	3	-313	0	-24	-4	41.5	9.1	26.6	0.0	62.2	3
1A	55	-5151	-20	69	0	103	-1	95.7	27.6	5.9	0.0	123.4	1
1B	55	-5151	24	69	0	103	2	95.7	27.9	5.9	0.0	123.7	1
1C	55	-5151	-20	-170	0	-72	-1	95.7	19.6	14.4	0.0	115.4	1
1D	55	-5151	24	-170	0	-72	2	95.7	19.9	14.4	0.0	115.7	1
1E	55	2988	-20	69	0	103	-1	55.5	27.6	5.9	0.0	83.1	1
1F	55	2988	24	69	0	103	2	55.5	27.9	5.9	0.0	83.5	1
1G	55	2988	-20	-170	0	-72	-1	55.5	19.6	14.4	0.0	75.5	3
1H	55	2988	24	-170	0	-72	2	55.5	19.9	14.4	0.0	75.5	3
1I	55	-10133	-12	190	0	210	23	188.3	71.5	16.1	0.0	259.8	1
1J	55	-10133	17	190	0	210	-23	188.3	71.2	16.1	0.0	259.5	1
1K	55	-10133	-12	-291	0	-179	23	188.3	63.5	24.6	0.0	251.8	1
1L	55	-10133	17	-291	0	-179	-23	188.3	63.2	24.6	0.0	251.5	1
1M	55	7970	-12	190	0	210	23	148.1	71.5	16.1	0.0	219.6	1
1N	55	7970	17	190	0	210	-23	148.1	71.2	16.1	0.0	219.3	1
1O	55	7970	-12	-291	0	-179	23	148.1	63.5	24.6	0.0	211.6	1
1P	55	7970	17	-291	0	-179	-23	148.1	63.2	24.6	0.0	211.3	1
2	55	-2412	3	-200	0	148	-3	44.8	40.3	17.0	0.0	85.2	1
7	55	-2013	1	-179	0	143	-3	37.4	38.8	15.2	0.0	76.2	1
8	55	-2202	3	-162	0	108	-2	40.9	29.4	13.7	0.0	70.3	1
1A	111	-5128	-20	69	0	68	-17	95.3	30.4	5.9	0.0	125.7	1
1B	111	-5128	24	69	0	68	20	95.3	32.5	5.9	0.0	127.8	1
1C	111	-5128	-20	-170	0	19	-17	95.3	17.6	14.4	0.0	112.9	1
1D	111	-5128	24	-170	0	19	20	95.3	19.7	14.4	0.0	115.0	1
1E	111	3012	-20	69	0	68	-17	56.0	30.4	5.9	0.0	86.4	1
1F	111	3012	24	69	0	68	20	56.0	32.5	5.9	0.0	88.5	1
1G	111	3012	-20	-170	0	19	-17	56.0	17.6	14.4	0.0	73.6	1
1H	111	3012	24	-170	0	19	20	56.0	19.7	14.4	0.0	75.7	1
1I	111	-10109	-12	190	0	106	22	187.9	43.6	16.1	0.0	231.5	1
1J	111	-10109	17	190	0	106	-19	187.9	41.5	16.1	0.0	229.4	1
1K	111	-10109	-12	-291	0	-19	22	187.9	21.3	24.6	0.0	209.2	1
1L	111	-10109	17	-291	0	-19	-19	187.9	19.2	24.6	0.0	207.1	1
1M	111	7993	-12	190	0	106	22	148.6	43.6	16.1	0.0	192.2	1
1N	111	7993	17	190	0	106	-19	148.6	41.5	16.1	0.0	190.1	1
1O	111	7993	-12	-291	0	-19	22	148.6	21.3	24.6	0.0	169.8	1
1P	111	7993	17	-291	0	-19	-19	148.6	19.2	24.6	0.0	167.8	1
2	111	-2382	3	17	0	199	-1	44.3	52.1	1.4	0.0	96.4	1
7	111	-1983	1	38	0	182	-2	36.9	48.2	3.2	0.0	85.0	1
8	111	-2171	3	-10	0	155	-0	40.4	40.3	0.9	0.0	80.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5174	110	7	23	23	14	1.03	1.00	132.6	
1B	-5174	110	8	23	23	14	1.03	1.00	133.5	
1C	-5174	90	7	23	23	14	1.03	1.00	127.5	
1D	-5174	90	8	23	23	14	1.03	1.00	128.3	
1E	3012	110	7	23	23	14	1.00	1.00	89.5	
1F	3012	110	8	23	23	14	1.00	1.00	90.3	
1G	3012	90	7	23	23	14	1.00	1.00	84.4	
1H	3012	90	8	23	23	14	1.00	1.00	85.2	
1I	-10156	231	23	23	23	14	1.03	1.00	271.7	
1J	-10156	231	24	23	23	14	1.03	1.00	271.7	
1K	-10156	211	23	23	23	14	1.03	1.00	266.6	
1L	-10156	211	24	23	23	14	1.03	1.00	266.6	
1M	7993	231	23	23	23	14	1.00	1.00	225.6	
1N	7993	231	24	23	23	14	1.00	1.00	225.7	
1O	7993	211	23	23	23	14	1.00	1.00	220.5	
1P	7993	211	24	23	23	14	1.00	1.00	220.5	
2	-2443	110	3	23	23	14	1.03	1.00	77.6	
7	-2043	102	3	23	23	14	1.03	1.00	67.7	
8	-2232	84	3	23	23	14	1.03	1.00	66.2	

ASTA NUM. 368 NI 296 NF 295 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-2967	-22	157	0	121	23	55.2	48.4	13.3	0.0	103.5	1
1B	0	-2967	27	157	0	121	-25	55.2	49.8	13.3	0.0	104.9	1
1C	0	-2967	-22	-109	0	-50	23	55.2	30.0	9.2	0.0	85.2	1
1D	0	-2967	27	-109	0	-50	-25	55.2	31.4	9.2	0.0	86.6	1
1E	0	1674	-22	157	0	121	23	31.1	48.4	13.3	0.0	79.5	1
1F	0	1674	27	157	0	121	-25	31.1	49.8	13.3	0.0	80.9	1
1G	0	1674	-22	-109	0	-50	23	31.1	30.0	9.2	0.0	61.1	1
1H	0	1674	27	-109	0	-50	-25	31.1	31.4	9.2	0.0	62.5	1
1I	0	-1876	-15	300	0	250	13	34.9	74.2	25.4	0.0	109.0	1
1J	0	-1876	19	300	0	250	-15	34.9	75.6	25.4	0.0	110.4	1
1K	0	-1876	-15	-252	0	-179	13	34.9	55.8	21.3	0.0	90.7	1
1L	0	-1876	19	-252	0	-179	-15	34.9	57.2	21.3	0.0	92.1	1
1M	0	582	-15	300	0	250	13	10.8	74.2	25.4	0.0	85.0	1
1N	0	582	19	300	0	250	-15	10.8	75.6	25.4	0.0	86.4	1
1O	0	582	-15	-252	0	-179	13	10.8	55.8	21.3	0.0	66.7	1
1P	0	582	19	-252	0	-179	-15	10.8	57.2	21.3	0.0	68.0	1
2	0	1121	3	-221	0	135	-8	20.8	40.9	18.8	0.0	61.7	1
7	0	1253	2	-227	0	123	-7	23.3	36.7	19.2	0.0	60.0	1
8	0	500	3	-147	0	107	-6	9.3	32.1	12.5	0.0	41.4	1
1A	55	-2944	-22	157	0	32	6	54.7	12.7	13.3	0.0	67.4	1
1B	55	-2944	27	157	0	32	-5	54.7	12.3	13.3	0.0	67.0	1
1C	55	-2944	-22	-109	0	12	6	54.7	7.6	9.2	0.0	62.4	1
1D	55	-2944	27	-109	0	12	-5	54.7	7.2	9.2	0.0	61.9	1
1E	55	1697	-22	157	0	32	6	31.5	12.7	13.3	0.0	44.3	1
1F	55	1697	27	157	0	32	-5	31.5	12.3	13.3	0.0	44.1	3
1G	55	1697	-22	-109	0	12	6	31.5	7.6	9.2	0.0	39.2	1
1H	55	1697	27	-109	0	12	-5	31.5	7.2	9.2	0.0	38.7	1
1I	55	-1852	-15	300	0	83	3	34.4	23.8	25.4	0.0	66.3	3
1J	55	-1852	19	300	0	83	-3	34.4	23.4	25.4	0.0	66.3	3
1K	55	-1852	-15	-252	0	-39	3	34.4	12.4	21.3	0.0	54.3	3
1L	55	-1852	19	-252	0	-39	-3	34.4	11.9	21.3	0.0	54.3	3
1M	55	606	-15	300	0	83	3	11.3	23.8	25.4	0.0	49.5	3
1N	55	606	19	300	0	83	-3	11.3	23.4	25.4	0.0	49.5	3
1O	55	606	-15	-252	0	-39	3	11.3	12.4	21.3	0.0	38.6	4
1P	55	606	19	-252	0	-39	-3	11.3	11.9	21.3	0.0	38.6	4
2	55	1152	3	-5	0	198	-6	21.4	55.7	0.4	0.0	77.1	1
7	55	1284	2	-10	0	189	-6	23.9	52.9	0.9	0.0	76.7	1
8	55	530	3	5	0	146	-4	9.9	40.8	0.4	0.0	50.6	1
1A	111	-2921	-22	157	0	-57	-11	54.3	22.9	13.3	0.0	77.2	1
1B	111	-2921	27	157	0	-57	14	54.3	25.2	13.3	0.0	79.5	1
1C	111	-2921	-22	-109	0	74	-11	54.3	27.5	9.2	0.0	81.8	1
1D	111	-2921	27	-109	0	74	14	54.3	29.8	9.2	0.0	84.1	1
1E	111	1721	-22	157	0	-57	-11	32.0	22.9	13.3	0.0	54.9	1
1F	111	1721	27	157	0	-57	14	32.0	25.2	13.3	0.0	57.2	1
1G	111	1721	-22	-109	0	74	-11	32.0	27.5	9.2	0.0	59.5	1
1H	111	1721	27	-109	0	74	14	32.0	29.8	9.2	0.0	61.8	1
1I	111	-1829	-15	300	0	-84	-7	34.0	26.5	25.4	0.0	66.1	3
1J	111	-1829	19	300	0	-84	10	34.0	28.8	25.4	0.0	66.2	3
1K	111	-1829	-15	-252	0	101	-7	34.0	31.1	21.3	0.0	66.1	3
1L	111	-1829	19	-252	0	101	10	34.0	33.4	21.3	0.0	67.3	1
1M	111	629	-15	300	0	-84	-7	11.7	26.5	25.4	0.0	49.9	3
1N	111	629	19	300	0	-84	10	11.7	28.8	25.4	0.0	49.9	3
1O	111	629	-15	-252	0	101	-7	11.7	31.1	21.3	0.0	48.0	3
1P	111	629	19	-252	0	101	10	11.7	33.4	21.3	0.0	48.1	3
2	111	1182	3	212	0	140	-5	22.0	39.6	18.0	0.0	61.6	1
7	111	1314	2	206	0	134	-5	24.4	38.1	17.5	0.0	62.5	1
8	111	560	3	156	0	102	-2	10.4	27.9	13.3	0.0	39.5	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2967	50	9	23	23	14	1.03	1.00	76.7	
1B	-2967	50	10	23	23	14	1.03	1.00	77.1	
1C	-2967	30	9	23	23	14	1.03	1.00	71.5	
1D	-2967	30	10	23	23	14	1.03	1.00	71.9	
1E	1721	50	9	23	23	14	1.00	1.00	51.8	
1F	1721	50	10	23	23	14	1.00	1.00	52.3	
1G	1721	30	9	23	23	14	1.00	1.00	46.7	
1H	1721	30	10	23	23	14	1.00	1.00	47.1	
1I	-1876	116	5	23	23	14	1.03	1.00	69.8	
1J	-1876	116	6	23	23	14	1.03	1.00	70.4	
1K	-1876	71	5	23	23	14	1.03	1.00	58.2	
1L	-1876	71	6	23	23	14	1.03	1.00	58.8	
1M	629	116	5	23	23	14	1.00	1.00	45.6	
1N	629	116	6	23	23	14	1.00	1.00	46.2	
1O	629	71	5	23	23	14	1.00	1.00	34.0	
1P	629	71	6	23	23	14	1.00	1.00	34.6	
2	1182	138	7	23	23	14	1.00	1.00	62.6	
7	1314	130	6	23	23	14	1.00	1.00	62.3	
8	560	105	5	23	23	14	1.00	1.00	40.8	

ASTA NUM. 369 NI 295 NF 294 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-2853	-60	70	0	49	30	53.0	35.1	5.9	0.0	88.1	1
1B	0	-2853	56	70	0	49	-27	53.0	32.7	5.9	0.0	85.7	1
1C	0	-2853	-60	-177	0	-46	30	53.0	34.3	15.0	0.0	87.3	1
1D	0	-2853	56	-177	0	-46	-27	53.0	31.9	15.0	0.0	85.0	1
1E	0	1741	-60	70	0	49	30	32.4	35.1	5.9	0.0	67.4	1
1F	0	1741	56	70	0	49	-27	32.4	32.7	5.9	0.0	65.1	1
1G	0	1741	-60	-177	0	-46	30	32.4	34.3	15.0	0.0	66.7	1
1H	0	1741	56	-177	0	-46	-27	32.4	31.9	15.0	0.0	64.3	1
1I	0	-1558	-32	273	0	71	21	29.0	34.2	23.2	0.0	63.2	1
1J	0	-1558	27	273	0	71	-18	29.0	31.9	23.2	0.0	60.8	1
1K	0	-1558	-32	-380	0	-68	21	29.0	33.5	32.2	0.0	67.0	3
1L	0	-1558	27	-380	0	-68	-18	29.0	31.1	32.2	0.0	66.9	3
1M	0	446	-32	273	0	71	21	8.3	34.2	23.2	0.0	43.6	3
1N	0	446	27	273	0	71	-18	8.3	31.9	23.2	0.0	43.5	3
1O	0	446	-32	-380	0	-68	21	8.3	33.5	32.2	0.0	56.5	4
1P	0	446	27	-380	0	-68	-18	8.3	31.1	32.2	0.0	56.5	4
2	0	1337	7	-284	0	106	-7	24.9	32.3	24.0	0.0	61.7	3
7	0	1450	5	-274	0	105	-5	27.0	31.0	23.3	0.0	62.4	3
8	0	690	4	-222	0	74	-4	12.8	21.9	18.8	0.0	41.6	3
1A	55	-2830	-60	70	0	-1	-4	52.6	3.1	5.9	0.0	55.7	1
1B	55	-2830	56	70	0	-1	5	52.6	3.7	5.9	0.0	56.3	1
1C	55	-2830	-60	-177	0	63	-4	52.6	19.1	15.0	0.0	71.7	1
1D	55	-2830	56	-177	0	63	5	52.6	19.7	15.0	0.0	72.3	1
1E	55	1765	-60	70	0	-1	-4	32.8	3.1	5.9	0.0	35.9	1
1F	55	1765	56	70	0	-1	5	32.8	3.7	5.9	0.0	36.5	1
1G	55	1765	-60	-177	0	63	-4	32.8	19.1	15.0	0.0	52.8	3
1H	55	1765	56	-177	0	63	5	32.8	19.7	15.0	0.0	52.8	3
1I	55	-1535	-32	273	0	-83	1	28.5	22.4	23.2	0.0	59.5	3
1J	55	-1535	27	273	0	-83	-0	28.5	21.8	23.2	0.0	59.5	3
1K	55	-1535	-32	-380	0	146	1	28.5	38.4	32.2	0.0	79.3	3
1L	55	-1535	27	-380	0	146	-0	28.5	37.8	32.2	0.0	79.3	3
1M	55	469	-32	273	0	-83	1	8.7	22.4	23.2	0.0	45.2	3
1N	55	469	27	273	0	-83	-0	8.7	21.8	23.2	0.0	45.2	3
1O	55	469	-32	-380	0	146	1	8.7	38.4	32.2	0.0	65.0	3
1P	55	469	27	-380	0	146	-0	8.7	37.8	32.2	0.0	65.0	3
2	55	1368	7	-67	0	203	-3	25.4	54.4	5.7	0.0	79.8	1
7	55	1480	5	-58	0	197	-3	27.5	52.6	4.9	0.0	80.1	1
8	55	721	4	-70	0	155	-2	13.4	41.1	6.0	0.0	54.5	1
1A	111	-2806	-60	70	0	-50	-38	52.2	41.3	5.9	0.0	93.5	1
1B	111	-2806	56	70	0	-50	36	52.2	40.1	5.9	0.0	92.3	1
1C	111	-2806	-60	-177	0	171	-38	52.2	72.5	15.0	0.0	124.7	1
1D	111	-2806	56	-177	0	171	36	52.2	71.3	15.0	0.0	123.5	1
1E	111	1788	-60	70	0	-50	-38	33.2	41.3	5.9	0.0	74.5	1
1F	111	1788	56	70	0	-50	36	33.2	40.1	5.9	0.0	73.3	1
1G	111	1788	-60	-177	0	171	-38	33.2	72.5	15.0	0.0	105.7	1
1H	111	1788	56	-177	0	171	36	33.2	71.3	15.0	0.0	104.5	1
1I	111	-1511	-32	273	0	-238	-19	28.1	75.3	23.2	0.0	103.4	1
1J	111	-1511	27	273	0	-238	17	28.1	74.1	23.2	0.0	102.2	1
1K	111	-1511	-32	-380	0	359	-19	28.1	106.5	32.2	0.0	134.6	1
1L	111	-1511	27	-380	0	359	17	28.1	105.3	32.2	0.0	133.4	1
1M	111	493	-32	273	0	-238	-19	9.2	75.3	23.2	0.0	84.5	1
1N	111	493	27	273	0	-238	17	9.2	74.1	23.2	0.0	83.3	1
1O	111	493	-32	-380	0	359	-19	9.2	106.5	32.2	0.0	115.6	1
1P	111	493	27	-380	0	359	17	9.2	105.3	32.2	0.0	114.4	1
2	111	1398	7	150	0	180	1	26.0	47.2	12.7	0.0	73.2	1
7	111	1511	5	159	0	169	0	28.1	43.6	13.5	0.0	71.7	1
8	111	751	4	81	0	152	1	14.0	39.5	6.9	0.0	53.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2853	20	15	23	23	14	1.03	1.00	71.2	
1B	-2853	20	15	23	23	14	1.03	1.00	70.7	
1C	-2853	85	15	23	23	14	1.03	1.00	87.8	
1D	-2853	85	15	23	23	14	1.03	1.00	87.3	
1E	1788	20	15	23	23	14	1.00	1.00	49.8	
1F	1788	20	15	23	23	14	1.00	1.00	49.3	
1G	1788	85	15	23	23	14	1.00	1.00	66.4	
1H	1788	85	15	23	23	14	1.00	1.00	65.9	
1I	-1558	114	8	23	23	14	1.03	1.00	65.6	
1J	-1558	114	7	23	23	14	1.03	1.00	64.7	
1K	-1558	188	8	23	23	14	1.03	1.00	84.7	
1L	-1558	188	7	23	23	14	1.03	1.00	83.7	
1M	493	114	8	23	23	14	1.00	1.00	45.0	
1N	493	114	7	23	23	14	1.00	1.00	44.0	
1O	493	188	8	23	23	14	1.00	1.00	64.0	
1P	493	188	7	23	23	14	1.00	1.00	63.0	
2	1398	151	4	23	23	14	1.00	1.00	67.4	
7	1511	143	3	23	23	14	1.00	1.00	67.3	
8	751	121	2	23	23	14	1.00	1.00	46.6	

ASTA NUM. 370 NI 294 NF 293 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-4873	-82	243	0	121	25	90.6	49.6	20.6	0.0	140.1	1
1B	0	-4873	83	243	0	121	-23	90.6	48.7	20.6	0.0	139.3	1
1C	0	-4873	-82	-111	0	-13	25	90.6	21.8	9.4	0.0	112.4	1
1D	0	-4873	83	-111	0	-13	-23	90.6	20.9	9.4	0.0	111.5	1
1E	0	4578	-82	243	0	121	25	85.1	49.6	20.6	0.0	134.7	1
1F	0	4578	83	243	0	121	-23	85.1	48.7	20.6	0.0	133.8	1
1G	0	4578	-82	-111	0	-13	25	85.1	21.8	9.4	0.0	106.9	1
1H	0	4578	83	-111	0	-13	-23	85.1	20.9	9.4	0.0	106.0	1
1I	0	-6706	-34	490	0	240	29	124.6	83.2	41.5	0.0	207.9	1
1J	0	-6706	35	490	0	240	-27	124.6	82.4	41.5	0.0	207.0	1
1K	0	-6706	-34	-358	0	-132	29	124.6	55.5	30.4	0.0	180.1	1
1L	0	-6706	35	-358	0	-132	-27	124.6	54.6	30.4	0.0	179.2	1
1M	0	6411	-34	490	0	240	29	119.2	83.2	41.5	0.0	202.4	1
1N	0	6411	35	490	0	240	-27	119.2	82.4	41.5	0.0	201.5	1
1O	0	6411	-34	-358	0	-132	29	119.2	55.5	30.4	0.0	174.6	1
1P	0	6411	35	-358	0	-132	-27	119.2	54.6	30.4	0.0	173.8	1
2	0	2322	17	-178	0	166	8	43.2	48.9	15.1	0.0	92.0	1
7	0	2009	14	-138	0	162	8	37.3	47.6	11.7	0.0	84.9	1
8	0	1583	12	-101	0	138	6	29.4	39.8	8.6	0.0	69.2	1
1A	55	-4850	-82	243	0	179	64	90.1	93.6	20.6	0.0	183.8	1
1B	55	-4850	83	243	0	179	-62	90.1	92.3	20.6	0.0	182.5	1
1C	55	-4850	-82	-111	0	-144	64	90.1	84.6	9.4	0.0	174.8	1
1D	55	-4850	83	-111	0	-144	-62	90.1	83.3	9.4	0.0	173.5	1
1E	55	4602	-82	243	0	179	64	85.5	93.6	20.6	0.0	179.2	1
1F	55	4602	83	243	0	179	-62	85.5	92.3	20.6	0.0	177.9	1
1G	55	4602	-82	-111	0	-144	64	85.5	84.6	9.4	0.0	170.2	1
1H	55	4602	83	-111	0	-144	-62	85.5	83.3	9.4	0.0	168.8	1
1I	55	-6682	-34	490	0	437	36	124.2	139.2	41.5	0.0	263.4	1
1J	55	-6682	35	490	0	437	-34	124.2	137.9	41.5	0.0	262.1	1
1K	55	-6682	-34	-358	0	-402	36	124.2	130.2	30.4	0.0	254.4	1
1L	55	-6682	35	-358	0	-402	-34	124.2	128.9	30.4	0.0	253.1	1
1M	55	6434	-34	490	0	437	36	119.6	139.2	41.5	0.0	258.8	1
1N	55	6434	35	490	0	437	-34	119.6	137.9	41.5	0.0	257.5	1
1O	55	6434	-34	-358	0	-402	36	119.6	130.2	30.4	0.0	249.8	1
1P	55	6434	35	-358	0	-402	-34	119.6	128.9	30.4	0.0	248.5	1
2	55	2352	17	39	0	204	18	43.7	66.0	3.3	0.0	109.7	1
7	55	2040	14	79	0	178	16	37.9	57.5	6.7	0.0	95.4	1
8	55	1613	12	50	0	152	12	30.0	48.5	4.3	0.0	78.4	1
1A	111	-4826	-82	243	0	236	103	89.7	137.7	20.6	0.0	227.4	1
1B	111	-4826	83	243	0	236	-101	89.7	136.0	20.6	0.0	225.7	1
1C	111	-4826	-82	-111	0	-274	103	89.7	147.4	9.4	0.0	237.1	1
1D	111	-4826	83	-111	0	-274	-101	89.7	145.7	9.4	0.0	235.4	1
1E	111	4625	-82	243	0	236	103	86.0	137.7	20.6	0.0	223.7	1
1F	111	4625	83	243	0	236	-101	86.0	136.0	20.6	0.0	222.0	1
1G	111	4625	-82	-111	0	-274	103	86.0	147.4	9.4	0.0	233.4	1
1H	111	4625	83	-111	0	-274	-101	86.0	145.7	9.4	0.0	231.7	1
1I	111	-6659	-34	490	0	634	43	123.8	195.2	41.5	0.0	318.9	1
1J	111	-6659	35	490	0	634	-41	123.8	193.4	41.5	0.0	317.2	1
1K	111	-6659	-34	-358	0	-671	43	123.8	204.9	30.4	0.0	328.6	1
1L	111	-6659	35	-358	0	-671	-41	123.8	203.1	30.4	0.0	326.9	1
1M	111	6458	-34	490	0	634	43	120.0	195.2	41.5	0.0	315.2	1
1N	111	6458	35	490	0	634	-41	120.0	193.4	41.5	0.0	313.5	1
1O	111	6458	-34	-358	0	-671	43	120.0	204.9	30.4	0.0	324.9	1
1P	111	6458	35	-358	0	-671	-41	120.0	203.1	30.4	0.0	323.2	1
2	111	2383	17	256	0	123	28	44.3	52.2	21.7	0.0	96.5	1
7	111	2070	14	296	0	74	23	38.5	36.6	25.1	0.0	75.1	1
8	111	1643	12	202	0	82	19	30.5	35.5	17.1	0.0	66.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4873	190	72	23	23	14	1.03	1.00	195.9	
1B	-4873	190	70	23	23	14	1.03	1.00	194.5	
1C	-4873	170	72	23	23	14	1.03	1.00	190.6	
1D	-4873	170	70	23	23	14	1.03	1.00	189.2	
1E	4625	190	72	23	23	14	1.00	1.00	188.4	
1F	4625	190	70	23	23	14	1.00	1.00	187.0	
1G	4625	170	72	23	23	14	1.00	1.00	183.1	
1H	4625	170	70	23	23	14	1.00	1.00	181.8	
1I	-6706	476	37	23	23	14	1.03	1.00	279.0	
1J	-6706	476	35	23	23	14	1.03	1.00	277.6	
1K	-6706	456	37	23	23	14	1.03	1.00	273.7	
1L	-6706	456	35	23	23	14	1.03	1.00	272.3	
1M	6458	476	37	23	23	14	1.00	1.00	270.4	
1N	6458	476	35	23	23	14	1.00	1.00	269.0	
1O	6458	456	37	23	23	14	1.00	1.00	265.1	
1P	6458	456	35	23	23	14	1.00	1.00	263.8	
2	2383	149	20	23	23	14	1.00	1.00	97.4	
7	2070	127	17	23	23	14	1.00	1.00	84.0	
8	1643	116	14	23	23	14	1.00	1.00	70.6	

ASTA NUM. 371 NI 293 NF 283 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2071	-133	244	0	235	128	38.5	156.2	20.7	0.0	194.7	1	

1B	0	-2071	110	244	0	235	-106	38.5	140.0	20.7	0.0	178.5	1
1C	0	-2071	-133	-463	0	-289	128	38.5	170.3	39.3	0.0	208.8	1
1D	0	-2071	110	-463	0	-289	-106	38.5	154.1	39.3	0.0	192.6	1
1E	0	1949	-133	244	0	235	128	36.2	156.2	20.7	0.0	192.4	1
1F	0	1949	110	244	0	235	-106	36.2	140.0	20.7	0.0	176.2	1
1G	0	1949	-133	-463	0	-289	128	36.2	170.3	39.3	0.0	206.5	1
1H	0	1949	110	-463	0	-289	-106	36.2	154.1	39.3	0.0	190.3	1
1I	0	-4905	-79	861	0	673	77	91.2	230.7	73.0	0.0	321.9	1
1J	0	-4905	55	861	0	673	-55	91.2	214.5	73.0	0.0	305.7	1
1K	0	-4905	-79	-1080	0	-728	77	91.2	244.9	91.6	0.0	336.0	1
1L	0	-4905	55	-1080	0	-728	-55	91.2	228.6	91.6	0.0	319.8	1
1M	0	4782	-79	861	0	673	77	88.9	230.7	73.0	0.0	319.6	1
1N	0	4782	55	861	0	673	-55	88.9	214.5	73.0	0.0	303.4	1
1O	0	4782	-79	-1080	0	-728	77	88.9	244.9	91.6	0.0	333.8	1
1P	0	4782	55	-1080	0	-728	-55	88.9	228.6	91.6	0.0	317.5	1
2	0	2447	-63	-241	0	97	60	45.5	69.8	20.5	0.0	115.3	1
7	0	2033	-55	-242	0	62	53	37.8	55.5	20.5	0.0	93.3	1
8	0	1717	-47	-207	0	61	45	31.9	49.2	17.5	0.0	81.1	1
1A	55	-2048	-133	244	0	94	54	38.1	64.7	20.7	0.0	102.7	1
1B	55	-2048	110	244	0	94	-45	38.1	58.1	20.7	0.0	96.2	1
1C	55	-2048	-133	-463	0	-27	54	38.1	47.5	39.3	0.0	85.6	1
1D	55	-2048	110	-463	0	-27	-45	38.1	41.0	39.3	0.0	79.1	1
1E	55	1972	-133	244	0	94	54	36.7	64.7	20.7	0.0	101.3	1
1F	55	1972	110	244	0	94	-45	36.7	58.1	20.7	0.0	94.8	1
1G	55	1972	-133	-463	0	-27	54	36.7	47.5	39.3	0.0	84.2	1
1H	55	1972	110	-463	0	-27	-45	36.7	41.0	39.3	0.0	77.8	4
1I	55	-4882	-79	861	0	195	33	90.7	74.9	73.0	0.0	176.5	3
1J	55	-4882	55	861	0	195	-24	90.7	68.3	73.0	0.0	176.3	3
1K	55	-4882	-79	-1080	0	-128	33	90.7	57.7	91.6	0.0	185.5	3
1L	55	-4882	55	-1080	0	-128	-24	90.7	51.2	91.6	0.0	185.3	3
1M	55	4806	-79	861	0	195	33	89.3	74.9	73.0	0.0	175.4	3
1N	55	4806	55	861	0	195	-24	89.3	68.3	73.0	0.0	175.2	3
1O	55	4806	-79	-1080	0	-128	33	89.3	57.7	91.6	0.0	184.5	3
1P	55	4806	55	-1080	0	-128	-24	89.3	51.2	91.6	0.0	184.4	3
2	55	2478	-63	-25	0	170	25	46.1	62.5	2.4	0.0	108.6	1
7	55	2064	-55	-25	0	136	22	38.4	51.7	2.1	0.0	90.0	1
8	55	1748	-47	-55	0	133	19	32.5	48.2	4.7	0.0	80.7	1
1A	111	-2025	-133	244	0	-46	-20	37.6	26.8	20.7	0.0	64.5	1
1B	111	-2025	110	244	0	-46	16	37.6	23.7	20.7	0.0	61.3	1
1C	111	-2025	-133	-463	0	235	-20	37.6	75.2	39.3	0.0	112.9	1
1D	111	-2025	110	-463	0	235	16	37.6	72.1	39.3	0.0	110.2	3
1E	111	1995	-133	244	0	-46	-20	37.1	26.8	20.7	0.0	63.9	1
1F	111	1995	110	244	0	-46	16	37.1	23.7	20.7	0.0	60.8	1
1G	111	1995	-133	-463	0	235	-20	37.1	75.2	39.3	0.0	112.3	1
1H	111	1995	110	-463	0	235	16	37.1	72.1	39.3	0.0	109.7	3
1I	111	-4858	-79	861	0	-283	-11	90.3	81.0	73.0	0.0	191.8	3
1J	111	-4858	55	861	0	-283	7	90.3	77.8	73.0	0.0	191.7	3
1K	111	-4858	-79	-1080	0	471	-11	90.3	129.4	91.6	0.0	243.6	3
1L	111	-4858	55	-1080	0	471	7	90.3	126.2	91.6	0.0	243.5	3
1M	111	4829	-79	861	0	-283	-11	89.8	81.0	73.0	0.0	191.3	3
1N	111	4829	55	861	0	-283	7	89.8	77.8	73.0	0.0	191.2	3
1O	111	4829	-79	-1080	0	471	-11	89.8	129.4	91.6	0.0	243.1	3
1P	111	4829	55	-1080	0	471	7	89.8	126.2	91.6	0.0	243.0	3
2	111	2508	-63	192	0	124	-10	46.6	39.3	16.3	0.0	85.9	1
7	111	2094	-55	191	0	90	-8	38.9	29.4	16.2	0.0	68.3	1
8	111	1778	-47	97	0	122	-8	33.0	37.1	8.2	0.0	70.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2071	122	69	23	23	14	1.03	1.00	122.7	
1B	-2071	122	58	23	23	14	1.03	1.00	114.2	
1C	-2071	116	69	23	23	14	1.03	1.00	121.0	
1D	-2071	116	58	23	23	14	1.03	1.00	112.6	
1E	1995	122	69	23	23	14	1.00	1.00	120.1	
1F	1995	122	58	23	23	14	1.00	1.00	111.6	
1G	1995	116	69	23	23	14	1.00	1.00	118.4	
1H	1995	116	58	23	23	14	1.00	1.00	109.9	
1I	-4905	291	42	23	23	14	1.03	1.00	200.1	
1J	-4905	291	30	23	23	14	1.03	1.00	191.6	
1K	-4905	291	42	23	23	14	1.03	1.00	200.2	
1L	-4905	291	30	23	23	14	1.03	1.00	191.7	
1M	4829	291	42	23	23	14	1.00	1.00	195.8	
1N	4829	291	30	23	23	14	1.00	1.00	187.3	
1O	4829	291	42	23	23	14	1.00	1.00	195.9	
1P	4829	291	30	23	23	14	1.00	1.00	187.5	
2	2508	113	32	23	23	14	1.00	1.00	99.7	
7	2094	79	28	23	23	14	1.00	1.00	80.5	
8	1778	98	24	23	23	14	1.00	1.00	76.0	

ASTA NUM. 372 NI 260 NF 259 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11968	-17	168	0	200	14	222.5	62.2	14.3	0.0	284.7	1	
1B	0	-11968	23	168	0	200	-8	222.5	57.6	14.3	0.0	280.0	1	

1C	0	-11968	-17	-157	0	-222	14	222.5	67.9	13.3	0.0	290.3	1
1D	0	-11968	23	-157	0	-222	-8	222.5	63.2	13.3	0.0	285.7	1
1E	0	7586	-17	168	0	200	14	141.0	62.2	14.3	0.0	203.2	1
1F	0	7586	23	168	0	200	-8	141.0	57.6	14.3	0.0	198.6	1
1G	0	7586	-17	-157	0	-222	14	141.0	67.9	13.3	0.0	208.9	1
1H	0	7586	23	-157	0	-222	-8	141.0	63.2	13.3	0.0	204.2	1
1I	0	-16909	-26	108	0	354	25	314.3	109.8	9.2	0.0	424.1	1
1J	0	-16909	32	108	0	354	-19	314.3	105.1	9.2	0.0	419.4	1
1K	0	-16909	-26	-97	0	-376	25	314.3	115.4	8.2	0.0	429.7	1
1L	0	-16909	32	-97	0	-376	-19	314.3	110.8	8.2	0.0	425.1	1
1M	0	12527	-26	108	0	354	25	232.8	109.8	9.2	0.0	342.6	1
1N	0	12527	32	108	0	354	-19	232.8	105.1	9.2	0.0	338.0	1
1O	0	12527	-26	-97	0	-376	25	232.8	115.4	8.2	0.0	348.3	1
1P	0	12527	32	-97	0	-376	-19	232.8	110.8	8.2	0.0	343.6	1
2	0	-12950	15	-443	0	-322	14	240.7	93.5	37.6	0.0	334.2	1
7	0	-11330	14	-431	0	-295	13	210.6	85.8	36.5	0.0	296.3	1
8	0	-10130	12	-310	0	-237	11	188.3	69.6	26.3	0.0	257.9	1
1A	55	-11945	-17	168	0	161	26	222.0	60.7	14.3	0.0	282.7	1
1B	55	-11945	23	168	0	161	-16	222.0	53.6	14.3	0.0	275.6	1
1C	55	-11945	-17	-157	0	-189	26	222.0	68.0	13.3	0.0	290.0	1
1D	55	-11945	23	-157	0	-189	-16	222.0	60.9	13.3	0.0	282.9	1
1E	55	7609	-17	168	0	161	26	141.4	60.7	14.3	0.0	202.1	1
1F	55	7609	23	168	0	161	-16	141.4	53.6	14.3	0.0	195.0	1
1G	55	7609	-17	-157	0	-189	26	141.4	68.0	13.3	0.0	209.4	1
1H	55	7609	23	-157	0	-189	-16	141.4	60.9	13.3	0.0	202.3	1
1I	55	-16886	-26	108	0	311	42	313.9	111.5	9.2	0.0	425.4	1
1J	55	-16886	32	108	0	311	-33	313.9	104.4	9.2	0.0	418.3	1
1K	55	-16886	-26	-97	0	-339	42	313.9	118.8	8.2	0.0	432.7	1
1L	55	-16886	32	-97	0	-339	-33	313.9	111.7	8.2	0.0	425.6	1
1M	55	12550	-26	108	0	311	42	233.3	111.5	9.2	0.0	344.8	1
1N	55	12550	32	108	0	311	-33	233.3	104.4	9.2	0.0	337.7	1
1O	55	12550	-26	-97	0	-339	42	233.3	118.8	8.2	0.0	352.1	1
1P	55	12550	32	-97	0	-339	-33	233.3	111.7	8.2	0.0	345.0	1
2	55	-12920	15	-227	0	-137	22	240.1	52.0	19.2	0.0	292.1	1
7	55	-11300	14	-214	0	-117	21	210.0	45.7	18.1	0.0	255.8	1
8	55	-10100	12	-159	0	-108	18	187.7	41.1	13.5	0.0	228.8	1
1A	111	-11922	-17	168	0	122	37	221.6	59.1	14.3	0.0	280.7	1
1B	111	-11922	23	168	0	122	-24	221.6	49.6	14.3	0.0	271.2	1
1C	111	-11922	-17	-157	0	-157	37	221.6	68.1	13.3	0.0	289.7	1
1D	111	-11922	23	-157	0	-157	-24	221.6	58.6	13.3	0.0	280.2	1
1E	111	7632	-17	168	0	122	37	141.9	59.1	14.3	0.0	201.0	1
1F	111	7632	23	168	0	122	-24	141.9	49.6	14.3	0.0	191.5	1
1G	111	7632	-17	-157	0	-157	37	141.9	68.1	13.3	0.0	210.0	1
1H	111	7632	23	-157	0	-157	-24	141.9	58.6	13.3	0.0	200.5	1
1I	111	-16863	-26	108	0	268	59	313.4	113.2	9.2	0.0	426.7	1
1J	111	-16863	32	108	0	268	-46	313.4	103.7	9.2	0.0	417.1	1
1K	111	-16863	-26	-97	0	-303	59	313.4	122.2	8.2	0.0	435.6	1
1L	111	-16863	32	-97	0	-303	-46	313.4	112.7	8.2	0.0	426.1	1
1M	111	12573	-26	108	0	268	59	233.7	113.2	9.2	0.0	346.9	1
1N	111	12573	32	108	0	268	-46	233.7	103.7	9.2	0.0	337.4	1
1O	111	12573	-26	-97	0	-303	59	233.7	122.2	8.2	0.0	355.9	1
1P	111	12573	32	-97	0	-303	-46	233.7	112.7	8.2	0.0	346.4	1
2	111	-12890	15	-10	0	-71	31	239.6	41.3	0.9	0.0	280.9	1
7	111	-11270	14	3	0	-58	29	209.5	36.6	0.5	0.0	246.1	1
8	111	-10070	12	-7	0	-62	24	187.2	34.2	0.6	0.0	221.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11968	169	28	23	23	14	1.03	1.00	293.7	
1B	-11968	169	18	23	23	14	1.03	1.00	286.1	
1C	-11968	196	28	23	23	14	1.03	1.00	300.7	
1D	-11968	196	18	23	23	14	1.03	1.00	293.1	
1E	7632	169	28	23	23	14	1.00	1.00	206.3	
1F	7632	169	18	23	23	14	1.00	1.00	198.7	
1G	7632	196	28	23	23	14	1.00	1.00	213.2	
1H	7632	196	18	23	23	14	1.00	1.00	205.7	
1I	-16909	320	46	23	23	14	1.03	1.00	440.5	
1J	-16909	320	35	23	23	14	1.03	1.00	432.9	
1K	-16909	347	46	23	23	14	1.03	1.00	447.5	
1L	-16909	347	35	23	23	14	1.03	1.00	439.9	
1M	12573	320	46	23	23	14	1.00	1.00	350.0	
1N	12573	320	35	23	23	14	1.00	1.00	342.4	
1O	12573	347	46	23	23	14	1.00	1.00	357.0	
1P	12573	347	35	23	23	14	1.00	1.00	349.4	
2	-12950	222	24	23	23	14	1.03	1.00	323.3	
7	-11330	200	23	23	23	14	1.03	1.00	285.5	
8	-10130	167	19	23	23	14	1.03	1.00	251.5	

ASTA NUM. 373 NI 259 NF 258 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6600	-17	2	0	91	29	122.7	45.0	0.6	0.0	167.6	1	
1B	0	-6600	14	2	0	91	-24	122.7	41.1	0.5	0.0	163.8	1	
1C	0	-6600	-17	-166	0	-181	29	122.7	68.1	14.1	0.0	190.8	1	

1D	0	-6600	14	-166	0	-181	-24	122.7	64.3	14.1	0.0	187.0	1
1E	0	2564	-17	2	0	91	29	47.7	45.0	0.6	0.0	92.6	1
1F	0	2564	14	2	0	91	-24	47.7	41.1	0.5	0.0	88.8	1
1G	0	2564	-17	-166	0	-181	29	47.7	68.1	14.1	0.0	115.8	1
1H	0	2564	14	-166	0	-181	-24	47.7	64.3	14.1	0.0	111.9	1
1I	0	-13748	-39	70	0	305	52	255.5	117.4	5.9	0.0	373.0	1
1J	0	-13748	35	70	0	305	-47	255.5	113.6	5.9	0.0	369.2	1
1K	0	-13748	-39	-234	0	-395	52	255.5	140.6	19.9	0.0	396.1	1
1L	0	-13748	35	-234	0	-395	-47	255.5	136.7	19.9	0.0	392.3	1
1M	0	9712	-39	70	0	305	52	180.5	117.4	5.9	0.0	298.0	1
1N	0	9712	35	70	0	305	-47	180.5	113.6	5.9	0.0	294.1	1
1O	0	9712	-39	-234	0	-395	52	180.5	140.6	19.9	0.0	321.1	1
1P	0	9712	35	-234	0	-395	-47	180.5	136.7	19.9	0.0	317.3	1
2	0	-11860	-12	-701	0	-320	24	220.4	100.4	59.4	0.0	320.9	1
7	0	-10270	-11	-632	0	-278	22	190.9	88.2	53.6	0.0	279.1	1
8	0	-9311	-10	-525	0	-248	19	173.1	77.7	44.5	0.0	250.8	1
1A	55	-6576	-17	2	0	117	21	122.2	45.9	0.6	0.0	168.2	1
1B	55	-6576	14	2	0	117	-18	122.2	43.6	0.5	0.0	165.9	1
1C	55	-6576	-17	-166	0	-116	21	122.2	45.6	14.1	0.0	167.9	1
1D	55	-6576	14	-166	0	-116	-18	122.2	43.3	14.1	0.0	165.6	1
1E	55	2588	-17	2	0	117	21	48.1	45.9	0.6	0.0	94.0	1
1F	55	2588	14	2	0	117	-18	48.1	43.6	0.5	0.0	91.7	1
1G	55	2588	-17	-166	0	-116	21	48.1	45.6	14.1	0.0	93.7	1
1H	55	2588	14	-166	0	-116	-18	48.1	43.3	14.1	0.0	91.4	1
1I	55	-13725	-39	70	0	275	31	255.1	93.8	5.9	0.0	348.9	1
1J	55	-13725	35	70	0	275	-28	255.1	91.5	5.9	0.0	346.7	1
1K	55	-13725	-39	-234	0	-273	31	255.1	93.5	19.9	0.0	348.7	1
1L	55	-13725	35	-234	0	-273	-28	255.1	91.3	19.9	0.0	346.4	1
1M	55	9736	-39	70	0	275	31	181.0	93.8	5.9	0.0	274.8	1
1N	55	9736	35	70	0	275	-28	181.0	91.5	5.9	0.0	272.5	1
1O	55	9736	-39	-234	0	-273	31	181.0	93.5	19.9	0.0	274.5	1
1P	55	9736	35	-234	0	-273	-28	181.0	91.3	19.9	0.0	272.2	1
2	55	-11830	-12	-484	0	8	17	219.9	15.0	41.1	0.0	234.9	1
7	55	-10240	-11	-416	0	12	16	190.3	14.9	35.2	0.0	205.2	1
8	55	-9280	-10	-373	0	0	13	172.5	9.8	31.6	0.0	182.3	1
1A	111	-6553	-17	2	0	143	14	121.8	46.9	0.6	0.0	168.7	1
1B	111	-6553	14	2	0	143	-13	121.8	46.1	0.5	0.0	167.9	1
1C	111	-6553	-17	-166	0	-50	14	121.8	23.2	14.1	0.0	145.0	1
1D	111	-6553	14	-166	0	-50	-13	121.8	22.4	14.1	0.0	144.2	1
1E	111	2611	-17	2	0	143	14	48.5	46.9	0.6	0.0	95.4	1
1F	111	2611	14	2	0	143	-13	48.5	46.1	0.5	0.0	94.7	1
1G	111	2611	-17	-166	0	-50	14	48.5	23.2	14.1	0.0	71.7	1
1H	111	2611	14	-166	0	-50	-13	48.5	22.4	14.1	0.0	70.9	1
1I	111	-13701	-39	70	0	244	10	254.7	70.3	5.9	0.0	324.9	1
1J	111	-13701	35	70	0	244	-9	254.7	69.5	5.9	0.0	324.2	1
1K	111	-13701	-39	-234	0	-152	10	254.7	46.5	19.9	0.0	301.2	1
1L	111	-13701	35	-234	0	-152	-9	254.7	45.8	19.9	0.0	300.4	1
1M	111	9759	-39	70	0	244	10	181.4	70.3	5.9	0.0	251.7	1
1N	111	9759	35	70	0	244	-9	181.4	69.5	5.9	0.0	250.9	1
1O	111	9759	-39	-234	0	-152	10	181.4	46.5	19.9	0.0	227.9	1
1P	111	9759	35	-234	0	-152	-9	181.4	45.8	19.9	0.0	227.2	1
2	111	-11800	-12	-268	0	216	11	219.3	63.5	22.7	0.0	282.8	1
7	111	-10210	-11	-199	0	182	10	189.8	53.9	16.9	0.0	243.7	1
8	111	-9250	-10	-222	0	165	8	171.9	48.0	18.8	0.0	219.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6600	122	23	23	23	14	1.03	1.00	174.8	
1B	-6600	122	19	23	23	14	1.03	1.00	172.2	
1C	-6600	129	23	23	23	14	1.03	1.00	176.6	
1D	-6600	129	19	23	23	14	1.03	1.00	174.0	
1E	2611	122	23	23	23	14	1.00	1.00	96.9	
1F	2611	122	19	23	23	14	1.00	1.00	94.3	
1G	2611	129	23	23	23	14	1.00	1.00	98.7	
1H	2611	129	19	23	23	14	1.00	1.00	96.1	
1I	-13748	281	35	23	23	14	1.03	1.00	362.1	
1J	-13748	281	32	23	23	14	1.03	1.00	359.5	
1K	-13748	298	35	23	23	14	1.03	1.00	366.5	
1L	-13748	298	32	23	23	14	1.03	1.00	363.9	
1M	9759	281	35	23	23	14	1.00	1.00	280.0	
1N	9759	281	32	23	23	14	1.00	1.00	277.4	
1O	9759	298	35	23	23	14	1.00	1.00	284.4	
1P	9759	298	32	23	23	14	1.00	1.00	281.8	
2	-11860	128	19	23	23	14	1.03	1.00	274.2	
7	-10270	111	17	23	23	14	1.03	1.00	238.2	
8	-9311	99	14	23	23	14	1.03	1.00	214.5	

ASTA NUM. 374 NI 258 NF 257 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4958	-21	131	0	172	11	92.2	52.3	11.1	0.0	144.5	1	
1B	0	-4958	17	131	0	172	-10	92.2	51.4	11.1	0.0	143.5	1	
1C	0	-4958	-21	-142	0	-134	11	92.2	42.6	12.1	0.0	134.7	1	
1D	0	-4958	17	-142	0	-134	-10	92.2	41.6	12.1	0.0	133.8	1	

1E	0	4001	-21	131	0	172	11	74.4	52.3	11.1	0.0	126.7	1
1F	0	4001	17	131	0	172	-10	74.4	51.4	11.1	0.0	125.7	1
1G	0	4001	-21	-142	0	-134	11	74.4	42.6	12.1	0.0	116.9	1
1H	0	4001	17	-142	0	-134	-10	74.4	41.6	12.1	0.0	116.0	1
1I	0	-8344	-39	135	0	303	14	155.1	88.5	11.4	0.0	243.6	1
1J	0	-8344	35	135	0	303	-13	155.1	87.6	11.4	0.0	242.7	1
1K	0	-8344	-39	-146	0	-265	14	155.1	78.8	12.3	0.0	233.9	1
1L	0	-8344	35	-146	0	-265	-13	155.1	77.8	12.3	0.0	232.9	1
1M	0	7386	-39	135	0	303	14	137.3	88.5	11.4	0.0	225.8	1
1N	0	7386	35	135	0	303	-13	137.3	87.6	11.4	0.0	224.9	1
1O	0	7386	-39	-146	0	-265	14	137.3	78.8	12.3	0.0	216.1	1
1P	0	7386	35	-146	0	-265	-13	137.3	77.8	12.3	0.0	215.1	1
2	0	200	-13	-425	0	-0	9	3.7	7.1	36.0	0.0	62.5	4
7	0	244	-12	-405	0	-7	9	4.5	8.3	34.3	0.0	59.6	4
8	0	-175	-11	-302	0	1	7	3.2	5.5	25.6	0.0	44.5	4
1A	55	-4935	-21	131	0	143	-2	91.7	37.9	11.1	0.0	129.6	1
1B	55	-4935	17	131	0	143	0	91.7	37.1	11.1	0.0	128.8	1
1C	55	-4935	-21	-142	0	-99	-2	91.7	26.6	12.1	0.0	118.3	1
1D	55	-4935	17	-142	0	-99	0	91.7	25.8	12.1	0.0	117.5	1
1E	55	4025	-21	131	0	143	-2	74.8	37.9	11.1	0.0	112.7	1
1F	55	4025	17	131	0	143	0	74.8	37.1	11.1	0.0	111.9	1
1G	55	4025	-21	-142	0	-99	-2	74.8	26.6	12.1	0.0	101.4	1
1H	55	4025	17	-142	0	-99	0	74.8	25.8	12.1	0.0	100.6	1
1I	55	-8320	-39	135	0	242	-8	154.7	67.9	11.4	0.0	222.6	1
1J	55	-8320	35	135	0	242	7	154.7	67.1	11.4	0.0	221.8	1
1K	55	-8320	-39	-146	0	-198	-8	154.7	56.6	12.3	0.0	211.3	1
1L	55	-8320	35	-146	0	-198	7	154.7	55.8	12.3	0.0	210.5	1
1M	55	7410	-39	135	0	242	-8	137.7	67.9	11.4	0.0	205.7	1
1N	55	7410	35	135	0	242	7	137.7	67.1	11.4	0.0	204.9	1
1O	55	7410	-39	-146	0	-198	-8	137.7	56.6	12.3	0.0	194.4	1
1P	55	7410	35	-146	0	-198	7	137.7	55.8	12.3	0.0	193.6	1
2	55	230	-13	-208	0	175	2	4.3	46.6	17.6	0.0	52.1	3
7	55	275	-12	-188	0	157	2	5.1	42.0	15.9	0.0	48.0	3
8	55	-144	-11	-151	0	126	1	2.7	33.4	12.8	0.0	37.4	3
1A	111	-4912	-21	131	0	113	-14	91.3	39.6	11.1	0.0	130.9	1
1B	111	-4912	17	131	0	113	10	91.3	37.0	11.1	0.0	128.3	1
1C	111	-4912	-21	-142	0	-63	-14	91.3	26.7	12.1	0.0	118.0	1
1D	111	-4912	17	-142	0	-63	10	91.3	24.2	12.1	0.0	115.5	1
1E	111	4048	-21	131	0	113	-14	75.2	39.6	11.1	0.0	114.8	1
1F	111	4048	17	131	0	113	10	75.2	37.0	11.1	0.0	112.3	1
1G	111	4048	-21	-142	0	-63	-14	75.2	26.7	12.1	0.0	102.0	1
1H	111	4048	17	-142	0	-63	10	75.2	24.2	12.1	0.0	99.4	1
1I	111	-8297	-39	135	0	180	-30	154.2	68.5	11.4	0.0	222.7	1
1J	111	-8297	35	135	0	180	26	154.2	66.0	11.4	0.0	220.2	1
1K	111	-8297	-39	-146	0	-131	-30	154.2	55.7	12.3	0.0	209.9	1
1L	111	-8297	35	-146	0	-131	26	154.2	53.1	12.3	0.0	207.4	1
1M	111	7433	-39	135	0	180	-30	138.2	68.5	11.4	0.0	206.7	1
1N	111	7433	35	135	0	180	26	138.2	66.0	11.4	0.0	204.2	1
1O	111	7433	-39	-146	0	-131	-30	138.2	55.7	12.3	0.0	193.8	1
1P	111	7433	35	-146	0	-131	26	138.2	53.1	12.3	0.0	191.3	1
2	111	260	-13	9	0	230	-5	4.8	62.9	0.7	0.0	67.7	1
7	111	305	-12	29	0	201	-4	5.7	55.1	2.4	0.0	60.8	1
8	111	-114	-11	1	0	168	-5	2.1	46.7	0.4	0.0	48.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4958	149	6	23	23	14	1.03	1.00	137.3	
1B	-4958	149	4	23	23	14	1.03	1.00	136.3	
1C	-4958	106	6	23	23	14	1.03	1.00	126.3	
1D	-4958	106	4	23	23	14	1.03	1.00	125.3	
1E	4048	149	6	23	23	14	1.00	1.00	117.6	
1F	4048	149	4	23	23	14	1.00	1.00	116.6	
1G	4048	106	6	23	23	14	1.00	1.00	106.6	
1H	4048	106	4	23	23	14	1.00	1.00	105.6	
1I	-8344	254	12	23	23	14	1.03	1.00	234.2	
1J	-8344	254	11	23	23	14	1.03	1.00	233.1	
1K	-8344	211	12	23	23	14	1.03	1.00	223.2	
1L	-8344	211	11	23	23	14	1.03	1.00	222.1	
1M	7433	254	12	23	23	14	1.00	1.00	212.5	
1N	7433	254	11	23	23	14	1.00	1.00	211.4	
1O	7433	211	12	23	23	14	1.00	1.00	201.5	
1P	7433	211	11	23	23	14	1.00	1.00	200.4	
2	260	138	4	23	23	14	1.00	1.00	43.1	
7	305	118	3	23	23	14	1.00	1.00	38.6	
8	-175	101	3	23	23	14	1.03	1.00	31.5	

ASTA NUM. 375 NI 257 NF 256 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4811	-20	-20	0	87	12	89.4	31.5	1.7	0.0	120.9	1	
1B	0	-4811	28	-20	0	87	-19	89.4	36.4	1.7	0.0	125.8	1	
1C	0	-4811	-20	-143	0	-90	12	89.4	32.3	12.1	0.0	121.8	1	
1D	0	-4811	28	-143	0	-90	-19	89.4	37.2	12.1	0.0	126.7	1	
1E	0	4190	-20	-20	0	87	12	77.9	31.5	1.7	0.0	109.4	1	

1F	0	4190	28	-20	0	87	-19	77.9	36.4	1.7	0.0	114.3	1
1G	0	4190	-20	-143	0	-90	12	77.9	32.3	12.1	0.0	110.2	1
1H	0	4190	28	-143	0	-90	-19	77.9	37.2	12.1	0.0	115.1	1
1I	0	-7911	-9	66	0	221	21	147.0	72.8	5.6	0.0	219.8	1
1J	0	-7911	16	66	0	221	-28	147.0	77.7	5.6	0.0	224.7	1
1K	0	-7911	-9	-228	0	-224	21	147.0	73.6	19.4	0.0	220.7	1
1L	0	-7911	16	-228	0	-224	-28	147.0	78.5	19.4	0.0	225.6	1
1M	0	7289	-9	66	0	221	21	135.5	72.8	5.6	0.0	208.3	1
1N	0	7289	16	66	0	221	-28	135.5	77.7	5.6	0.0	213.2	1
1O	0	7289	-9	-228	0	-224	21	135.5	73.6	19.4	0.0	209.1	1
1P	0	7289	16	-228	0	-224	-28	135.5	78.5	19.4	0.0	214.0	1
2	0	1018	7	-618	0	45	-9	18.9	18.1	52.4	0.0	92.8	4
7	0	953	5	-547	0	44	-8	17.7	17.0	46.4	0.0	82.4	4
8	0	470	7	-467	0	26	-8	8.7	12.6	39.6	0.0	69.1	4
1A	55	-4788	-20	-20	0	99	-4	89.0	28.4	1.7	0.0	117.4	1
1B	55	-4788	28	-20	0	99	2	89.0	26.7	1.7	0.0	115.6	1
1C	55	-4788	-20	-143	0	-12	-4	89.0	6.0	12.1	0.0	95.0	1
1D	55	-4788	28	-143	0	-12	2	89.0	4.3	12.1	0.0	93.7	3
1E	55	4213	-20	-20	0	99	-4	78.3	28.4	1.7	0.0	106.7	1
1F	55	4213	28	-20	0	99	2	78.3	26.7	1.7	0.0	105.0	1
1G	55	4213	-20	-143	0	-12	-4	78.3	6.0	12.1	0.0	84.3	1
1H	55	4213	28	-143	0	-12	2	78.3	4.3	12.1	0.0	83.3	3
1I	55	-7888	-9	66	0	185	22	146.6	64.1	5.6	0.0	210.8	1
1J	55	-7888	16	66	0	185	-24	146.6	65.9	5.6	0.0	212.5	1
1K	55	-7888	-9	-228	0	-99	22	146.6	41.8	19.4	0.0	188.4	1
1L	55	-7888	16	-228	0	-99	-24	146.6	43.5	19.4	0.0	190.1	1
1M	55	7312	-9	66	0	185	22	135.9	64.1	5.6	0.0	200.1	1
1N	55	7312	16	66	0	185	-24	135.9	65.9	5.6	0.0	201.8	1
1O	55	7312	-9	-228	0	-99	22	135.9	41.8	19.4	0.0	177.7	1
1P	55	7312	16	-228	0	-99	-24	135.9	43.5	19.4	0.0	179.4	1
2	55	1048	7	-401	0	327	-5	19.5	87.8	34.0	0.0	108.3	3
7	55	984	5	-331	0	287	-5	18.3	77.3	28.0	0.0	95.6	1
8	55	501	7	-315	0	243	-4	9.3	65.5	26.7	0.0	77.1	3
1A	111	-4765	-20	-20	0	111	-20	88.6	43.5	1.7	0.0	132.0	1
1B	111	-4765	28	-20	0	111	22	88.6	44.9	1.7	0.0	133.5	1
1C	111	-4765	-20	-143	0	66	-20	88.6	31.7	12.1	0.0	120.3	1
1D	111	-4765	28	-143	0	66	22	88.6	33.2	12.1	0.0	121.8	1
1E	111	4236	-20	-20	0	111	-20	78.7	43.5	1.7	0.0	122.2	1
1F	111	4236	28	-20	0	111	22	78.7	44.9	1.7	0.0	123.7	1
1G	111	4236	-20	-143	0	66	-20	78.7	31.7	12.1	0.0	110.5	1
1H	111	4236	28	-143	0	66	22	78.7	33.2	12.1	0.0	111.9	1
1I	111	-7864	-9	66	0	150	23	146.2	55.5	5.6	0.0	201.7	1
1J	111	-7864	16	66	0	150	-21	146.2	54.0	5.6	0.0	200.2	1
1K	111	-7864	-9	-228	0	27	23	146.2	24.0	19.4	0.0	170.2	1
1L	111	-7864	16	-228	0	27	-21	146.2	22.5	19.4	0.0	168.7	1
1M	111	7336	-9	66	0	150	23	136.4	55.5	5.6	0.0	191.8	1
1N	111	7336	16	66	0	150	-21	136.4	54.0	5.6	0.0	190.4	1
1O	111	7336	-9	-228	0	27	23	136.4	24.0	19.4	0.0	160.4	1
1P	111	7336	16	-228	0	27	-21	136.4	22.5	19.4	0.0	158.9	1
2	111	1079	7	-185	0	489	-1	20.1	126.7	15.7	0.0	146.8	1
7	111	1014	5	-114	0	410	-2	18.8	106.7	9.7	0.0	125.6	1
8	111	531	7	-164	0	375	-0	9.9	96.9	13.9	0.0	106.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4811	102	8	23	23	14	1.03	1.00	124.2	
1B	-4811	102	9	23	23	14	1.03	1.00	124.8	
1C	-4811	36	8	23	23	14	1.03	1.00	107.4	
1D	-4811	36	9	23	23	14	1.03	1.00	107.9	
1E	4236	102	8	23	23	14	1.00	1.00	110.8	
1F	4236	102	9	23	23	14	1.00	1.00	111.4	
1G	4236	36	8	23	23	14	1.00	1.00	94.0	
1H	4236	36	9	23	23	14	1.00	1.00	94.6	
1I	-7911	193	22	23	23	14	1.03	1.00	217.7	
1J	-7911	193	25	23	23	14	1.03	1.00	219.8	
1K	-7911	124	22	23	23	14	1.03	1.00	200.0	
1L	-7911	124	25	23	23	14	1.03	1.00	202.1	
1M	7336	193	22	23	23	14	1.00	1.00	202.4	
1N	7336	193	25	23	23	14	1.00	1.00	204.6	
1O	7336	124	22	23	23	14	1.00	1.00	184.8	
1P	7336	124	25	23	23	14	1.00	1.00	186.9	
2	1079	311	6	23	23	14	1.00	1.00	104.5	
7	1014	263	5	23	23	14	1.00	1.00	90.6	
8	531	236	5	23	23	14	1.00	1.00	74.1	

ASTA NUM. 376 NI 256 NF 255 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3880	-24	102	0	137	11	72.1	43.6	8.6	0.0	115.7	1	
1B	0	-3880	32	102	0	137	-12	72.1	43.9	8.6	0.0	116.0	1	
1C	0	-3880	-24	-123	0	-14	11	72.1	12.0	10.4	0.0	84.1	1	
1D	0	-3880	32	-123	0	-14	-12	72.1	12.3	10.4	0.0	84.5	1	
1E	0	6314	-24	102	0	137	11	117.4	43.6	8.6	0.0	160.9	1	
1F	0	6314	32	102	0	137	-12	117.4	43.9	8.6	0.0	161.3	1	

1G	0	6314	-24	-123	0	-14	11	117.4	12.0	10.4	0.0	129.4	1
1H	0	6314	32	-123	0	-14	-12	117.4	12.3	10.4	0.0	129.7	1
1I	0	-2894	-12	127	0	205	11	53.8	60.6	10.8	0.0	114.4	1
1J	0	-2894	19	127	0	205	-11	53.8	61.0	10.8	0.0	114.7	1
1K	0	-2894	-12	-149	0	-82	11	53.8	29.0	12.6	0.0	82.8	1
1L	0	-2894	19	-149	0	-82	-11	53.8	29.4	12.6	0.0	83.2	1
1M	0	5328	-12	127	0	205	11	99.0	60.6	10.8	0.0	159.6	1
1N	0	5328	19	127	0	205	-11	99.0	61.0	10.8	0.0	160.0	1
1O	0	5328	-12	-149	0	-82	11	99.0	29.0	12.6	0.0	128.1	1
1P	0	5328	19	-149	0	-82	-11	99.0	29.4	12.6	0.0	128.4	1
2	0	9781	7	-344	0	332	-6	181.8	89.9	29.2	0.0	271.7	1
7	0	8182	6	-322	0	280	-5	152.1	75.9	27.3	0.0	228.0	1
8	0	7292	7	-248	0	252	-4	135.5	68.3	21.0	0.0	203.9	1
1A	55	-3857	-24	102	0	77	-3	71.7	21.8	8.6	0.0	93.5	1
1B	55	-3857	32	102	0	77	6	71.7	24.6	8.6	0.0	96.3	1
1C	55	-3857	-24	-123	0	57	-3	71.7	16.7	10.4	0.0	88.4	1
1D	55	-3857	32	-123	0	57	6	71.7	19.5	10.4	0.0	91.2	1
1E	55	6337	-24	102	0	77	-3	117.8	21.8	8.6	0.0	139.6	1
1F	55	6337	32	102	0	77	6	117.8	24.6	8.6	0.0	142.4	1
1G	55	6337	-24	-123	0	57	-3	117.8	16.7	10.4	0.0	134.5	1
1H	55	6337	32	-123	0	57	6	117.8	19.5	10.4	0.0	137.3	1
1I	55	-2871	-12	127	0	125	3	53.4	34.2	10.8	0.0	87.5	1
1J	55	-2871	19	127	0	125	1	53.4	33.0	10.8	0.0	86.4	1
1K	55	-2871	-12	-149	0	9	3	53.4	4.4	12.6	0.0	58.8	3
1L	55	-2871	19	-149	0	9	1	53.4	3.2	12.6	0.0	58.8	3
1M	55	5351	-12	127	0	125	3	99.5	34.2	10.8	0.0	133.6	1
1N	55	5351	19	127	0	125	1	99.5	33.0	10.8	0.0	132.5	1
1O	55	5351	-12	-149	0	9	3	99.5	4.4	12.6	0.0	103.8	1
1P	55	5351	19	-149	0	9	1	99.5	3.2	12.6	0.0	103.5	3
2	55	9812	7	-127	0	462	-2	182.4	120.5	10.8	0.0	302.8	1
7	55	8212	6	-105	0	398	-2	152.6	103.9	8.9	0.0	256.6	1
8	55	7322	7	-96	0	348	-1	136.1	90.0	8.2	0.0	226.2	1
1A	111	-3834	-24	102	0	18	-17	71.3	16.9	8.6	0.0	88.1	1
1B	111	-3834	32	102	0	18	24	71.3	22.8	8.6	0.0	94.0	1
1C	111	-3834	-24	-123	0	129	-17	71.3	45.5	10.4	0.0	116.8	1
1D	111	-3834	32	-123	0	129	24	71.3	51.4	10.4	0.0	122.6	1
1E	111	6360	-24	102	0	18	-17	118.2	16.9	8.6	0.0	135.1	1
1F	111	6360	32	102	0	18	24	118.2	22.8	8.6	0.0	141.0	1
1G	111	6360	-24	-123	0	129	-17	118.2	45.5	10.4	0.0	163.7	1
1H	111	6360	32	-123	0	129	24	118.2	51.4	10.4	0.0	169.6	1
1I	111	-2848	-12	127	0	45	-5	52.9	15.7	10.8	0.0	68.6	1
1J	111	-2848	19	127	0	45	13	52.9	21.5	10.8	0.0	74.5	1
1K	111	-2848	-12	-149	0	101	-5	52.9	30.0	12.6	0.0	82.9	1
1L	111	-2848	19	-149	0	101	13	52.9	35.8	12.6	0.0	88.8	1
1M	111	5374	-12	127	0	45	-5	99.9	15.7	10.8	0.0	115.5	1
1N	111	5374	19	127	0	45	13	99.9	21.5	10.8	0.0	121.4	1
1O	111	5374	-12	-149	0	101	-5	99.9	30.0	12.6	0.0	129.8	1
1P	111	5374	19	-149	0	101	13	99.9	35.8	12.6	0.0	135.7	1
2	111	9842	7	89	0	472	2	182.9	122.9	7.6	0.0	305.8	1
7	111	8242	6	112	0	396	1	153.2	102.9	9.5	0.0	256.1	1
8	111	7353	7	55	0	359	3	136.7	94.6	4.7	0.0	231.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3880	89	7	23	23	14	1.03	1.00	102.2	
1B	-3880	89	10	23	23	14	1.03	1.00	104.7	
1C	-3880	72	7	23	23	14	1.03	1.00	97.7	
1D	-3880	72	10	23	23	14	1.03	1.00	100.2	
1E	6360	89	7	23	23	14	1.00	1.00	146.1	
1F	6360	89	10	23	23	14	1.00	1.00	148.6	
1G	6360	72	7	23	23	14	1.00	1.00	141.6	
1H	6360	72	10	23	23	14	1.00	1.00	144.1	
1I	-2894	141	4	23	23	14	1.03	1.00	94.9	
1J	-2894	141	5	23	23	14	1.03	1.00	95.7	
1K	-2894	40	4	23	23	14	1.03	1.00	68.9	
1L	-2894	40	5	23	23	14	1.03	1.00	69.8	
1M	5374	141	4	23	23	14	1.00	1.00	139.3	
1N	5374	141	5	23	23	14	1.00	1.00	140.1	
1O	5374	40	4	23	23	14	1.00	1.00	113.4	
1P	5374	40	5	23	23	14	1.00	1.00	114.2	
2	9842	416	3	23	23	14	1.00	1.00	292.2	
7	8242	350	3	23	23	14	1.00	1.00	245.2	
8	7353	316	2	23	23	14	1.00	1.00	219.4	

ASTA NUM. 377 NI 255 NF 254 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	94	-18	-14	0	76	9	1.7	26.2	1.2	0.0	27.9	1	
1B	0	94	20	-14	0	76	-11	1.7	27.4	1.2	0.0	29.2	1	
1C	0	94	-18	-175	0	19	9	1.7	11.6	14.8	0.0	25.7	4	
1D	0	94	20	-175	0	19	-11	1.7	12.9	14.8	0.0	25.7	4	
1E	0	2714	-18	-14	0	76	9	50.5	26.2	1.2	0.0	76.6	1	
1F	0	2714	20	-14	0	76	-11	50.5	27.4	1.2	0.0	77.9	1	
1G	0	2714	-18	-175	0	19	9	50.5	11.6	14.8	0.0	62.1	1	

1H	0	2714	20	-175	0	19	-11	50.5	12.9	14.8	0.0	63.3	1
1I	0	-240	-16	56	0	119	11	4.5	39.1	4.8	0.0	43.6	1
1J	0	-240	18	56	0	119	-13	4.5	40.4	4.8	0.0	44.8	1
1K	0	-240	-16	-245	0	-24	11	4.5	14.8	20.7	0.0	36.2	4
1L	0	-240	18	-245	0	-24	-13	4.5	16.0	20.7	0.0	36.2	4
1M	0	3048	-16	56	0	119	11	56.7	39.1	4.8	0.0	95.8	1
1N	0	3048	18	56	0	119	-13	56.7	40.4	4.8	0.0	97.0	1
1O	0	3048	-16	-245	0	-24	11	56.7	14.8	20.7	0.0	71.5	1
1P	0	3048	18	-245	0	-24	-13	56.7	16.0	20.7	0.0	72.7	1
2	0	10470	3	-582	0	350	-6	194.6	94.3	49.4	0.0	288.9	1
7	0	8833	2	-498	0	300	-5	164.2	81.2	42.3	0.0	245.4	1
8	0	7834	3	-447	0	261	-4	145.6	70.5	37.9	0.0	216.1	1
1A	55	117	-18	-14	0	77	-3	2.2	22.4	1.2	0.0	24.5	1
1B	55	117	20	-14	0	77	2	2.2	21.8	1.2	0.0	24.0	1
1C	55	117	-18	-175	0	121	-3	2.2	33.6	14.8	0.0	37.8	3
1D	55	117	20	-175	0	121	2	2.2	33.1	14.8	0.0	37.8	3
1E	55	2738	-18	-14	0	77	-3	50.9	22.4	1.2	0.0	73.2	1
1F	55	2738	20	-14	0	77	2	50.9	21.8	1.2	0.0	72.7	1
1G	55	2738	-18	-175	0	121	-3	50.9	33.6	14.8	0.0	84.5	1
1H	55	2738	20	-175	0	121	2	50.9	33.1	14.8	0.0	84.0	1
1I	55	-217	-16	56	0	86	1	4.0	22.9	4.8	0.0	26.9	1
1J	55	-217	18	56	0	86	-2	4.0	23.4	4.8	0.0	27.5	1
1K	55	-217	-16	-245	0	113	1	4.0	30.0	20.7	0.0	43.8	3
1L	55	-217	18	-245	0	113	-2	4.0	30.5	20.7	0.0	43.8	3
1M	55	3072	-16	56	0	86	1	57.1	22.9	4.8	0.0	80.0	1
1N	55	3072	18	56	0	86	-2	57.1	23.4	4.8	0.0	80.5	1
1O	55	3072	-16	-245	0	113	1	57.1	30.0	20.7	0.0	89.1	3
1P	55	3072	18	-245	0	113	-2	57.1	30.5	20.7	0.0	89.1	3
2	55	10500	3	-366	0	612	-4	195.2	160.7	31.0	0.0	355.8	1
7	55	8863	2	-282	0	516	-4	164.7	136.1	23.9	0.0	300.8	1
8	55	7864	3	-295	0	467	-3	146.2	122.3	25.1	0.0	268.4	1
1A	111	140	-18	-14	0	79	-15	2.6	32.0	1.2	0.0	34.6	1
1B	111	140	20	-14	0	79	16	2.6	32.1	1.2	0.0	34.7	1
1C	111	140	-18	-175	0	224	-15	2.6	69.1	14.8	0.0	71.8	1
1D	111	140	20	-175	0	224	16	2.6	69.3	14.8	0.0	71.9	1
1E	111	2762	-18	-14	0	79	-15	51.3	32.0	1.2	0.0	83.3	1
1F	111	2762	20	-14	0	79	16	51.3	32.1	1.2	0.0	83.4	1
1G	111	2762	-18	-175	0	224	-15	51.3	69.1	14.8	0.0	120.5	1
1H	111	2762	20	-175	0	224	16	51.3	69.3	14.8	0.0	120.6	1
1I	111	-193	-16	56	0	52	-9	3.6	20.4	4.8	0.0	24.0	1
1J	111	-193	18	56	0	52	9	3.6	20.5	4.8	0.0	24.1	1
1K	111	-193	-16	-245	0	251	-9	3.6	71.4	20.7	0.0	75.0	1
1L	111	-193	18	-245	0	251	9	3.6	71.5	20.7	0.0	75.1	1
1M	111	3095	-16	56	0	52	-9	57.5	20.4	4.8	0.0	77.9	1
1N	111	3095	18	56	0	52	9	57.5	20.5	4.8	0.0	78.0	1
1O	111	3095	-16	-245	0	251	-9	57.5	71.4	20.7	0.0	128.9	1
1P	111	3095	18	-245	0	251	9	57.5	71.5	20.7	0.0	129.0	1
2	111	10530	3	-149	0	754	-3	195.7	196.2	12.6	0.0	391.9	1
7	111	8893	2	-65	0	612	-3	165.3	160.2	5.5	0.0	325.5	1
8	111	7895	3	-144	0	588	-2	146.7	152.5	12.2	0.0	299.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	140	78	6	23	23	14	1.00	1.00	27.3	
1B	140	78	6	23	23	14	1.00	1.00	27.3	
1C	140	142	6	23	23	14	1.00	1.00	43.7	
1D	140	142	6	23	23	14	1.00	1.00	43.8	
1E	2762	78	6	23	23	14	1.00	1.00	76.0	
1F	2762	78	6	23	23	14	1.00	1.00	76.0	
1G	2762	142	6	23	23	14	1.00	1.00	92.5	
1H	2762	142	6	23	23	14	1.00	1.00	92.5	
1I	-240	92	5	23	23	14	1.03	1.00	31.8	
1J	-240	92	5	23	23	14	1.03	1.00	32.3	
1K	-240	141	5	23	23	14	1.03	1.00	44.2	
1L	-240	141	5	23	23	14	1.03	1.00	44.7	
1M	3095	92	5	23	23	14	1.00	1.00	84.7	
1N	3095	92	5	23	23	14	1.00	1.00	85.2	
1O	3095	141	5	23	23	14	1.00	1.00	97.2	
1P	3095	141	5	23	23	14	1.00	1.00	97.7	
2	10530	592	5	23	23	14	1.00	1.00	351.6	
7	8893	488	4	23	23	14	1.00	1.00	294.1	
8	7895	457	3	23	23	14	1.00	1.00	266.8	

ASTA NUM. 378 NI 254 NF 253 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1068	-26	26	0	155	33	19.9	64.8	2.2	0.0	84.7	1	
1B	0	1068	31	26	0	155	-32	19.9	64.1	2.2	0.0	84.0	1	
1C	0	1068	-26	-264	0	107	33	19.9	52.4	22.4	0.0	72.3	1	
1D	0	1068	31	-264	0	107	-32	19.9	51.7	22.4	0.0	71.6	1	
1E	0	3814	-26	26	0	155	33	70.9	64.8	2.2	0.0	135.7	1	
1F	0	3814	31	26	0	155	-32	70.9	64.1	2.2	0.0	135.0	1	
1G	0	3814	-26	-264	0	107	33	70.9	52.4	22.4	0.0	123.3	1	
1H	0	3814	31	-264	0	107	-32	70.9	51.7	22.4	0.0	122.6	1	

1I	0	382	-18	149	0	161	30	7.1	64.1	12.7	0.0	71.2	1
1J	0	382	22	149	0	161	-29	7.1	63.4	12.7	0.0	70.5	1
1K	0	382	-18	-387	0	101	30	7.1	48.5	32.8	0.0	59.1	3
1L	0	382	22	-387	0	101	-29	7.1	47.8	32.8	0.0	59.1	3
1M	0	4500	-18	149	0	161	30	83.6	64.1	12.7	0.0	147.7	1
1N	0	4500	22	149	0	161	-29	83.6	63.4	12.7	0.0	147.0	1
1O	0	4500	-18	-387	0	101	30	83.6	48.5	32.8	0.0	132.1	1
1P	0	4500	22	-387	0	101	-29	83.6	47.8	32.8	0.0	131.4	1
2	0	13920	13	-746	0	683	5	258.7	179.7	63.2	0.0	438.4	1
7	0	11200	10	-603	0	563	5	208.2	148.6	51.1	0.0	356.8	1
8	0	10730	10	-574	0	529	4	199.4	138.9	48.7	0.0	338.3	1
1A	55	1092	-26	26	0	301	22	20.3	94.0	2.2	0.0	114.3	1
1B	55	1092	31	26	0	301	-19	20.3	91.4	2.2	0.0	111.7	1
1C	55	1092	-26	-264	0	93	22	20.3	40.5	22.4	0.0	60.8	1
1D	55	1092	31	-264	0	93	-19	20.3	37.9	22.4	0.0	58.2	1
1E	55	3837	-26	26	0	301	22	71.3	94.0	2.2	0.0	165.3	1
1F	55	3837	31	26	0	301	-19	71.3	91.4	2.2	0.0	162.7	1
1G	55	3837	-26	-264	0	93	22	71.3	40.5	22.4	0.0	111.8	1
1H	55	3837	31	-264	0	93	-19	71.3	37.9	22.4	0.0	109.3	1
1I	55	406	-18	149	0	375	22	7.5	113.0	12.7	0.0	120.6	1
1J	55	406	22	149	0	375	-19	7.5	110.5	12.7	0.0	118.0	1
1K	55	406	-18	-387	0	19	22	7.5	21.4	32.8	0.0	57.4	4
1L	55	406	22	-387	0	19	-19	7.5	18.8	32.8	0.0	57.4	4
1M	55	4523	-18	149	0	375	22	84.1	113.0	12.7	0.0	197.1	1
1N	55	4523	22	149	0	375	-19	84.1	110.5	12.7	0.0	194.6	1
1O	55	4523	-18	-387	0	19	22	84.1	21.4	32.8	0.0	105.5	1
1P	55	4523	22	-387	0	19	-19	84.1	18.8	32.8	0.0	102.9	1
2	55	13950	13	-529	0	1035	12	259.3	275.7	44.9	0.0	535.0	1
7	55	11230	10	-386	0	836	11	208.7	223.2	32.8	0.0	431.9	1
8	55	10760	10	-423	0	805	9	200.0	214.0	35.9	0.0	414.0	1
1A	111	1115	-26	26	0	446	11	20.7	123.1	2.2	0.0	143.9	1
1B	111	1115	31	26	0	446	-5	20.7	118.7	2.2	0.0	139.5	1
1C	111	1115	-26	-264	0	79	11	20.7	28.6	22.4	0.0	52.0	3
1D	111	1115	31	-264	0	79	-5	20.7	24.1	22.4	0.0	51.9	3
1E	111	3861	-26	26	0	446	11	71.8	123.1	2.2	0.0	194.9	1
1F	111	3861	31	26	0	446	-5	71.8	118.7	2.2	0.0	190.5	1
1G	111	3861	-26	-264	0	79	11	71.8	28.6	22.4	0.0	100.3	1
1H	111	3861	31	-264	0	79	-5	71.8	24.1	22.4	0.0	96.3	3
1I	111	429	-18	149	0	588	14	8.0	162.0	12.7	0.0	170.0	1
1J	111	429	22	149	0	588	-8	8.0	157.6	12.7	0.0	165.6	1
1K	111	429	-18	-387	0	-64	14	8.0	27.0	32.8	0.0	57.4	4
1L	111	429	22	-387	0	-64	-8	8.0	22.6	32.8	0.0	57.4	4
1M	111	4547	-18	149	0	588	14	84.5	162.0	12.7	0.0	246.5	1
1N	111	4547	22	149	0	588	-8	84.5	157.6	12.7	0.0	242.1	1
1O	111	4547	-18	-387	0	-64	14	84.5	27.0	32.8	0.0	111.5	1
1P	111	4547	22	-387	0	-64	-8	84.5	22.6	32.8	0.0	111.3	3
2	111	13980	13	-313	0	1268	19	259.9	340.8	26.5	0.0	600.7	1
7	111	11260	10	-170	0	990	16	209.3	266.9	14.4	0.0	476.2	1
8	111	10790	10	-271	0	997	15	200.6	267.6	23.0	0.0	468.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1115	330	24	23	23	14	1.00	1.00	123.9	
1B	1115	330	21	23	23	14	1.00	1.00	121.7	
1C	1115	96	24	23	23	14	1.00	1.00	63.6	
1D	1115	96	21	23	23	14	1.00	1.00	61.4	
1E	3861	330	24	23	23	14	1.00	1.00	174.9	
1F	3861	330	21	23	23	14	1.00	1.00	172.7	
1G	3861	96	24	23	23	14	1.00	1.00	114.6	
1H	3861	96	21	23	23	14	1.00	1.00	112.4	
1I	429	418	24	23	23	14	1.00	1.00	133.2	
1J	429	418	21	23	23	14	1.00	1.00	131.0	
1K	429	40	24	23	23	14	1.00	1.00	36.1	
1L	429	40	21	23	23	14	1.00	1.00	33.9	
1M	4547	418	24	23	23	14	1.00	1.00	209.7	
1N	4547	418	21	23	23	14	1.00	1.00	207.6	
1O	4547	40	24	23	23	14	1.00	1.00	112.7	
1P	4547	40	21	23	23	14	1.00	1.00	110.5	
2	13980	1034	14	23	23	14	1.00	1.00	536.2	
7	11260	819	12	23	23	14	1.00	1.00	428.9	
8	10790	809	10	23	23	14	1.00	1.00	416.7	

ASTA NUM. 379 NI 253 NF 243 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1003	-34	564	0	457	45	18.6	151.3	47.8	0.0	169.9	1	
1B	0	1003	26	564	0	457	-35	18.6	143.6	47.8	0.0	162.3	1	
1C	0	1003	-34	190	0	112	45	18.6	62.7	16.1	0.0	81.3	1	
1D	0	1003	26	190	0	112	-35	18.6	55.0	16.1	0.0	73.7	1	
1E	0	3843	-34	564	0	457	45	71.4	151.3	47.8	0.0	222.7	1	
1F	0	3843	26	564	0	457	-35	71.4	143.6	47.8	0.0	215.0	1	
1G	0	3843	-34	190	0	112	45	71.4	62.7	16.1	0.0	134.1	1	
1H	0	3843	26	190	0	112	-35	71.4	55.0	16.1	0.0	126.4	1	
1I	0	319	-37	755	0	602	42	5.9	186.5	64.0	0.0	192.4	1	

1J	0	319	29	755	0	602	-32	5.9	178.8	64.0	0.0	184.8	1
1K	0	319	-37	-0	0	-33	42	5.9	40.1	1.4	0.0	46.1	1
1L	0	319	29	-0	0	-33	-32	5.9	32.5	1.1	0.0	38.4	1
1M	0	4527	-37	755	0	602	42	84.1	186.5	64.0	0.0	270.6	1
1N	0	4527	29	755	0	602	-32	84.1	178.8	64.0	0.0	263.0	1
1O	0	4527	-37	-0	0	-33	42	84.1	40.1	1.4	0.0	124.3	1
1P	0	4527	29	-0	0	-33	-32	84.1	32.5	1.1	0.0	116.6	1
2	0	13490	-44	1773	0	1411	46	250.7	397.3	150.3	0.0	648.0	1
7	0	10830	-37	1381	0	1113	39	201.3	315.9	117.1	0.0	517.2	1
8	0	10420	-31	1394	0	1104	33	193.7	309.0	118.2	0.0	502.6	1
1A	55	1027	-34	564	0	134	27	19.1	55.0	47.8	0.0	89.1	3
1B	55	1027	26	564	0	134	-21	19.1	50.6	47.8	0.0	89.0	3
1C	55	1027	-34	190	0	17	27	19.1	24.9	16.1	0.0	43.9	1
1D	55	1027	26	190	0	17	-21	19.1	20.5	16.1	0.0	39.6	1
1E	55	3866	-34	564	0	134	27	71.9	55.0	47.8	0.0	126.9	1
1F	55	3866	26	564	0	134	-21	71.9	50.6	47.8	0.0	126.7	3
1G	55	3866	-34	190	0	17	27	71.9	24.9	16.1	0.0	96.7	1
1H	55	3866	26	190	0	17	-21	71.9	20.5	16.1	0.0	92.4	1
1I	55	343	-37	755	0	181	23	6.4	64.2	64.0	0.0	111.0	4
1J	55	343	29	755	0	181	-18	6.4	59.8	64.0	0.0	111.0	4
1K	55	343	-37	-0	0	-30	23	6.4	25.2	1.4	0.0	31.5	1
1L	55	343	29	-0	0	-30	-18	6.4	20.8	1.1	0.0	27.2	1
1M	55	4550	-37	755	0	181	23	84.6	64.2	64.0	0.0	160.3	3
1N	55	4550	29	755	0	181	-18	84.6	59.8	64.0	0.0	160.2	3
1O	55	4550	-37	-0	0	-30	23	84.6	25.2	1.4	0.0	109.8	1
1P	55	4550	29	-0	0	-30	-18	84.6	20.8	1.1	0.0	105.4	1
2	55	13520	-44	1990	0	370	21	251.3	111.3	168.7	0.0	424.7	3
7	55	10860	-37	1597	0	289	19	201.9	88.4	135.5	0.0	339.6	3
8	55	10450	-31	1546	0	291	16	194.2	86.7	131.1	0.0	329.8	3
1A	111	1050	-34	564	0	-188	9	19.5	55.5	47.8	0.0	96.7	3
1B	111	1050	26	564	0	-188	-8	19.5	54.4	47.8	0.0	96.7	3
1C	111	1050	-34	190	0	-78	9	19.5	27.1	16.1	0.0	46.6	1
1D	111	1050	26	190	0	-78	-8	19.5	26.1	16.1	0.0	45.6	1
1E	111	3890	-34	564	0	-188	9	72.3	55.5	47.8	0.0	137.1	3
1F	111	3890	26	564	0	-188	-8	72.3	54.4	47.8	0.0	137.0	3
1G	111	3890	-34	190	0	-78	9	72.3	27.1	16.1	0.0	99.4	1
1H	111	3890	26	190	0	-78	-8	72.3	26.1	16.1	0.0	98.4	1
1I	111	366	-37	755	0	-240	5	6.8	65.1	64.0	0.0	116.1	3
1J	111	366	29	755	0	-240	-3	6.8	64.1	64.0	0.0	116.0	3
1K	111	366	-37	-0	0	-26	5	6.8	10.2	1.4	0.0	17.0	1
1L	111	366	29	-0	0	-26	-3	6.8	9.2	1.1	0.0	16.0	1
1M	111	4574	-37	755	0	-240	5	85.0	65.1	64.0	0.0	171.2	3
1N	111	4574	29	755	0	-240	-3	85.0	64.1	64.0	0.0	171.1	3
1O	111	4574	-37	-0	0	-26	5	85.0	10.2	1.4	0.0	95.2	1
1P	111	4574	29	-0	0	-26	-3	85.0	9.2	1.1	0.0	94.2	1
2	111	13550	-44	2206	0	-791	-3	251.9	205.5	187.0	0.0	520.1	3
7	111	10890	-37	1814	0	-655	-2	202.4	170.0	153.8	0.0	424.6	3
8	111	10480	-31	1698	0	-606	-2	194.8	157.2	144.0	0.0	400.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1050	199	31	23	23	14	1.00	1.00	93.8	
1B	1050	199	24	23	23	14	1.00	1.00	88.8	
1C	1050	45	31	23	23	14	1.00	1.00	54.2	
1D	1050	45	24	23	23	14	1.00	1.00	49.2	
1E	3890	199	31	23	23	14	1.00	1.00	146.5	
1F	3890	199	24	23	23	14	1.00	1.00	141.5	
1G	3890	45	31	23	23	14	1.00	1.00	107.0	
1H	3890	45	24	23	23	14	1.00	1.00	101.9	
1I	366	265	27	23	23	14	1.00	1.00	95.4	
1J	366	265	20	23	23	14	1.00	1.00	90.4	
1K	366	30	27	23	23	14	1.00	1.00	35.0	
1L	366	30	20	23	23	14	1.00	1.00	30.0	
1M	4574	265	27	23	23	14	1.00	1.00	173.6	
1N	4574	265	20	23	23	14	1.00	1.00	168.6	
1O	4574	30	27	23	23	14	1.00	1.00	113.2	
1P	4574	30	20	23	23	14	1.00	1.00	108.2	
2	13550	564	26	23	23	14	1.00	1.00	416.8	
7	10890	445	23	23	23	14	1.00	1.00	334.1	
8	10480	442	19	23	23	14	1.00	1.00	322.9	

ASTA NUM. 380 NI 220 NF 219 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7912	-13	174	0	120	30	147.1	53.0	14.8	0.0	200.1	1	
1B	0	-7912	35	174	0	120	-41	147.1	61.5	14.8	0.0	208.6	1	
1C	0	-7912	-13	-176	0	-143	30	147.1	58.9	14.9	0.0	205.9	1	
1D	0	-7912	35	-176	0	-143	-41	147.1	67.3	14.9	0.0	214.4	1	
1E	0	4976	-13	174	0	120	30	92.5	53.0	14.8	0.0	145.5	1	
1F	0	4976	35	174	0	120	-41	92.5	61.5	14.8	0.0	154.0	1	
1G	0	4976	-13	-176	0	-143	30	92.5	58.9	14.9	0.0	151.4	1	
1H	0	4976	35	-176	0	-143	-41	92.5	67.3	14.9	0.0	159.8	1	
1I	0	-6659	-34	127	0	190	29	123.8	70.2	10.8	0.0	194.0	1	
1J	0	-6659	56	127	0	190	-40	123.8	78.7	10.8	0.0	202.5	1	

1K	0	-6659	-34	-129	0	-212	29	123.8	76.1	11.0	0.0	199.8	1
1L	0	-6659	56	-129	0	-212	-40	123.8	84.5	11.0	0.0	208.3	1
1M	0	3723	-34	127	0	190	29	69.2	70.2	10.8	0.0	139.4	1
1N	0	3723	56	127	0	190	-40	69.2	78.7	10.8	0.0	147.9	1
1O	0	3723	-34	-129	0	-212	29	69.2	76.1	11.0	0.0	145.3	1
1P	0	3723	56	-129	0	-212	-40	69.2	84.5	11.0	0.0	153.7	1
2	0	-7784	79	-380	0	-262	-48	144.7	103.4	32.2	0.0	248.1	1
7	0	-6518	68	-363	0	-231	-42	121.2	90.6	30.8	0.0	211.8	1
8	0	-6417	64	-269	0	-199	-39	119.3	80.4	22.8	0.0	199.7	1
1A	55	-7889	-13	174	0	-3	29	146.6	22.6	14.8	0.0	169.2	1
1B	55	-7889	35	174	0	-3	-28	146.6	21.8	14.8	0.0	168.4	1
1C	55	-7889	-13	-176	0	-18	29	146.6	26.4	14.9	0.0	173.1	1
1D	55	-7889	35	-176	0	-18	-28	146.6	25.6	14.9	0.0	172.2	1
1E	55	4999	-13	174	0	-3	29	92.9	22.6	14.8	0.0	115.5	1
1F	55	4999	35	174	0	-3	-28	92.9	21.8	14.8	0.0	114.7	1
1G	55	4999	-13	-176	0	-18	29	92.9	26.4	14.9	0.0	119.4	1
1H	55	4999	35	-176	0	-18	-28	92.9	25.6	14.9	0.0	118.5	1
1I	55	-6636	-34	127	0	147	5	123.3	41.7	10.8	0.0	165.1	1
1J	55	-6636	56	127	0	147	-4	123.3	40.9	10.8	0.0	164.2	1
1K	55	-6636	-34	-129	0	-168	5	123.3	47.2	11.0	0.0	170.6	1
1L	55	-6636	56	-129	0	-168	-4	123.3	46.4	11.0	0.0	169.7	1
1M	55	3746	-34	127	0	147	5	69.6	41.7	10.8	0.0	111.3	1
1N	55	3746	56	127	0	147	-4	69.6	40.9	10.8	0.0	110.5	1
1O	55	3746	-34	-129	0	-168	5	69.6	47.2	11.0	0.0	116.9	1
1P	55	3746	56	-129	0	-168	-4	69.6	46.4	11.0	0.0	116.0	1
2	55	-7754	79	-218	0	-96	-5	144.1	28.1	18.5	0.0	172.3	1
7	55	-6488	68	-200	0	-75	-4	120.6	22.5	17.0	0.0	143.1	1
8	55	-6386	64	-155	0	-81	-4	118.7	23.7	13.2	0.0	142.4	1
1A	111	-7866	-13	174	0	-127	29	146.2	54.1	14.8	0.0	200.3	1
1B	111	-7866	35	174	0	-127	-15	146.2	43.9	14.8	0.0	190.1	1
1C	111	-7866	-13	-176	0	106	29	146.2	48.8	14.9	0.0	195.0	1
1D	111	-7866	35	-176	0	106	-15	146.2	38.7	14.9	0.0	184.9	1
1E	111	5022	-13	174	0	-127	29	93.3	54.1	14.8	0.0	147.4	1
1F	111	5022	35	174	0	-127	-15	93.3	43.9	14.8	0.0	137.3	1
1G	111	5022	-13	-176	0	106	29	93.3	48.8	14.9	0.0	142.2	1
1H	111	5022	35	-176	0	106	-15	93.3	38.7	14.9	0.0	132.0	1
1I	111	-6613	-34	127	0	103	-18	122.9	39.9	10.8	0.0	162.9	1
1J	111	-6613	56	127	0	103	31	122.9	50.1	10.8	0.0	173.0	1
1K	111	-6613	-34	-129	0	-124	-18	122.9	45.2	11.0	0.0	168.1	1
1L	111	-6613	56	-129	0	-124	31	122.9	55.3	11.0	0.0	178.2	1
1M	111	3769	-34	127	0	103	-18	70.1	39.9	10.8	0.0	110.0	1
1N	111	3769	56	127	0	103	31	70.1	50.1	10.8	0.0	120.1	1
1O	111	3769	-34	-129	0	-124	-18	70.1	45.2	11.0	0.0	115.2	1
1P	111	3769	56	-129	0	-124	31	70.1	55.3	11.0	0.0	125.4	1
2	111	-7723	79	-55	0	-20	39	143.6	34.6	4.7	0.0	178.1	1
7	111	-6457	68	-38	0	-9	33	120.0	27.2	3.2	0.0	147.2	1
8	111	-6356	64	-42	0	-27	32	118.1	30.6	3.5	0.0	148.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7912	51	29	23	23	14	1.03	1.00	186.5	
1B	-7912	51	31	23	23	14	1.03	1.00	187.5	
1C	-7912	57	29	23	23	14	1.03	1.00	188.1	
1D	-7912	57	31	23	23	14	1.03	1.00	189.1	
1E	5022	51	29	23	23	14	1.00	1.00	128.2	
1F	5022	51	31	23	23	14	1.00	1.00	129.2	
1G	5022	57	29	23	23	14	1.00	1.00	129.9	
1H	5022	57	31	23	23	14	1.00	1.00	130.9	
1I	-6659	155	11	23	23	14	1.03	1.00	176.0	
1J	-6659	155	16	23	23	14	1.03	1.00	179.4	
1K	-6659	177	11	23	23	14	1.03	1.00	181.6	
1L	-6659	177	16	23	23	14	1.03	1.00	185.0	
1M	3769	155	11	23	23	14	1.00	1.00	118.5	
1N	3769	155	16	23	23	14	1.00	1.00	121.9	
1O	3769	177	11	23	23	14	1.00	1.00	124.1	
1P	3769	177	16	23	23	14	1.00	1.00	127.5	
2	-7784	165	19	23	23	14	1.03	1.00	206.1	
7	-6518	142	17	23	23	14	1.03	1.00	174.0	
8	-6417	130	16	23	23	14	1.03	1.00	168.0	

ASTA NUM. 381 NI 219 NF 218 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7802	-18	35	0	78	27	145.0	40.2	3.0	0.0	185.2	1	
1B	0	-7802	2	35	0	78	-16	145.0	31.8	3.0	0.0	176.8	1	
1C	0	-7802	-18	-152	0	-141	27	145.0	56.3	12.9	0.0	201.3	1	
1D	0	-7802	2	-152	0	-141	-16	145.0	47.9	12.9	0.0	192.9	1	
1E	0	5142	-18	35	0	78	27	95.6	40.2	3.0	0.0	135.7	1	
1F	0	5142	2	35	0	78	-16	95.6	31.8	3.0	0.0	127.3	1	
1G	0	5142	-18	-152	0	-141	27	95.6	56.3	12.9	0.0	151.8	1	
1H	0	5142	2	-152	0	-141	-16	95.6	47.9	12.9	0.0	143.4	1	
1I	0	-6379	-30	-1	0	118	24	118.6	48.7	1.1	0.0	167.3	1	
1J	0	-6379	14	-1	0	118	-13	118.6	40.4	0.5	0.0	158.9	1	
1K	0	-6379	-30	-116	0	-181	24	118.6	64.8	9.8	0.0	183.4	1	

1L	0	-6379	14	-116	0	-181	-13	118.6	56.4	9.8	0.0	175.0	1
1M	0	3719	-30	-1	0	118	24	69.1	48.7	1.1	0.0	117.9	1
1N	0	3719	14	-1	0	118	-13	69.1	40.4	0.5	0.0	109.5	1
1O	0	3719	-30	-116	0	-181	24	69.1	64.8	9.8	0.0	134.0	1
1P	0	3719	14	-116	0	-181	-13	69.1	56.4	9.8	0.0	125.6	1
2	0	-6957	-34	-494	0	-210	29	129.3	75.9	41.9	0.0	205.2	1
7	0	-5786	-29	-443	0	-176	24	107.5	63.1	37.6	0.0	170.7	1
8	0	-5773	-30	-374	0	-171	25	107.3	62.4	31.7	0.0	169.7	1
1A	55	-7778	-18	35	0	82	20	144.6	36.5	3.0	0.0	181.1	1
1B	55	-7778	2	35	0	82	-18	144.6	34.5	3.0	0.0	179.1	1
1C	55	-7778	-18	-152	0	-80	20	144.6	36.0	12.9	0.0	180.6	1
1D	55	-7778	2	-152	0	-80	-18	144.6	34.0	12.9	0.0	178.6	1
1E	55	5165	-18	35	0	82	20	96.0	36.5	3.0	0.0	132.5	1
1F	55	5165	2	35	0	82	-18	96.0	34.5	3.0	0.0	130.5	1
1G	55	5165	-18	-152	0	-80	20	96.0	36.0	12.9	0.0	132.0	1
1H	55	5165	2	-152	0	-80	-18	96.0	34.0	12.9	0.0	130.0	1
1I	55	-6356	-30	-1	0	127	4	118.1	35.5	1.1	0.0	153.6	1
1J	55	-6356	14	-1	0	127	-1	118.1	33.5	0.5	0.0	151.7	1
1K	55	-6356	-30	-116	0	-125	4	118.1	35.0	9.8	0.0	153.1	1
1L	55	-6356	14	-116	0	-125	-1	118.1	33.0	9.8	0.0	151.2	1
1M	55	3743	-30	-1	0	127	4	69.6	35.5	1.1	0.0	105.1	1
1N	55	3743	14	-1	0	127	-1	69.6	33.5	0.5	0.0	103.1	1
1O	55	3743	-30	-116	0	-125	4	69.6	35.0	9.8	0.0	104.6	1
1P	55	3743	14	-116	0	-125	-1	69.6	33.0	9.8	0.0	102.6	1
2	55	-6926	-34	-332	0	18	10	128.7	12.1	28.1	0.0	140.9	1
7	55	-5756	-29	-281	0	25	8	107.0	12.5	23.8	0.0	119.5	1
8	55	-5742	-30	-260	0	4	8	106.7	7.3	22.0	0.0	114.0	1
1A	111	-7754	-18	35	0	86	14	144.1	32.9	3.0	0.0	177.0	1
1B	111	-7754	2	35	0	86	-20	144.1	37.3	3.0	0.0	181.4	1
1C	111	-7754	-18	-152	0	-20	14	144.1	15.7	12.9	0.0	159.9	1
1D	111	-7754	2	-152	0	-20	-20	144.1	20.2	12.9	0.0	164.3	1
1E	111	5188	-18	35	0	86	14	96.4	32.9	3.0	0.0	129.3	1
1F	111	5188	2	35	0	86	-20	96.4	37.3	3.0	0.0	133.7	1
1G	111	5188	-18	-152	0	-20	14	96.4	15.7	12.9	0.0	112.2	1
1H	111	5188	2	-152	0	-20	-20	96.4	20.2	12.9	0.0	116.6	1
1I	111	-6332	-30	-1	0	135	-17	117.7	47.2	1.1	0.0	164.9	1
1J	111	-6332	14	-1	0	135	11	117.7	42.8	0.5	0.0	160.5	1
1K	111	-6332	-30	-116	0	-69	-17	117.7	30.1	9.8	0.0	147.8	1
1L	111	-6332	14	-116	0	-69	11	117.7	25.7	9.8	0.0	143.4	1
1M	111	3766	-30	-1	0	135	-17	70.0	47.2	1.1	0.0	117.2	1
1N	111	3766	14	-1	0	135	11	70.0	42.8	0.5	0.0	112.8	1
1O	111	3766	-30	-116	0	-69	-17	70.0	30.1	9.8	0.0	100.1	1
1P	111	3766	14	-116	0	-69	11	70.0	25.7	9.8	0.0	95.7	1
2	111	-6896	-34	-169	0	156	-9	128.2	46.9	14.3	0.0	175.1	1
7	111	-5725	-29	-118	0	135	-8	106.4	40.4	10.0	0.0	146.8	1
8	111	-5712	-30	-146	0	117	-8	106.2	36.3	12.4	0.0	142.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7802	83	22	23	23	14	1.03	1.00	187.1	
1B	-7802	83	18	23	23	14	1.03	1.00	184.5	
1C	-7802	93	22	23	23	14	1.03	1.00	189.5	
1D	-7802	93	18	23	23	14	1.03	1.00	186.9	
1E	5188	83	22	23	23	14	1.00	1.00	134.1	
1F	5188	83	18	23	23	14	1.00	1.00	131.5	
1G	5188	93	22	23	23	14	1.00	1.00	136.5	
1H	5188	93	18	23	23	14	1.00	1.00	133.9	
1I	-6379	128	10	23	23	14	1.03	1.00	162.5	
1J	-6379	128	5	23	23	14	1.03	1.00	159.2	
1K	-6379	136	10	23	23	14	1.03	1.00	164.5	
1L	-6379	136	5	23	23	14	1.03	1.00	161.1	
1M	3766	128	10	23	23	14	1.00	1.00	110.4	
1N	3766	128	5	23	23	14	1.00	1.00	107.0	
1O	3766	136	10	23	23	14	1.00	1.00	112.3	
1P	3766	136	5	23	23	14	1.00	1.00	109.0	
2	-6957	84	14	23	23	14	1.03	1.00	165.3	
7	-5786	70	11	23	23	14	1.03	1.00	137.4	
8	-5773	68	11	23	23	14	1.03	1.00	136.8	

ASTA NUM. 382 NI 218 NF 217 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4201	-9	114	0	103	16	78.1	38.5	9.6	0.0	116.6	1	
1B	0	-4201	15	114	0	103	-22	78.1	42.5	9.6	0.0	120.6	1	
1C	0	-4201	-9	-130	0	-80	16	78.1	32.8	11.0	0.0	110.9	1	
1D	0	-4201	15	-130	0	-80	-22	78.1	36.7	11.0	0.0	114.8	1	
1E	0	3676	-9	114	0	103	16	68.3	38.5	9.6	0.0	106.9	1	
1F	0	3676	15	114	0	103	-22	68.3	42.5	9.6	0.0	110.8	1	
1G	0	3676	-9	-130	0	-80	16	68.3	32.8	11.0	0.0	101.1	1	
1H	0	3676	15	-130	0	-80	-22	68.3	36.7	11.0	0.0	105.1	1	
1I	0	-3503	-24	103	0	165	18	65.1	55.9	8.7	0.0	121.0	1	
1J	0	-3503	30	103	0	165	-23	65.1	59.9	8.7	0.0	125.0	1	
1K	0	-3503	-24	-119	0	-142	18	65.1	50.2	10.1	0.0	115.3	1	
1L	0	-3503	30	-119	0	-142	-23	65.1	54.1	10.1	0.0	119.2	1	

1M	0	2977	-24	103	0	165	18	55.3	55.9	8.7	0.0	111.3	1
1N	0	2977	30	103	0	165	-23	55.3	59.9	8.7	0.0	115.2	1
1O	0	2977	-24	-119	0	-142	18	55.3	50.2	10.1	0.0	105.5	1
1P	0	2977	30	-119	0	-142	-23	55.3	54.1	10.1	0.0	109.5	1
2	0	1195	8	-348	0	-16	-13	22.2	14.2	29.5	0.0	55.9	4
7	0	1193	7	-326	0	-14	-12	22.2	12.3	27.6	0.0	52.9	4
8	0	531	8	-251	0	-15	-11	9.9	12.1	21.3	0.0	38.2	4
1A	55	-4178	-9	114	0	24	16	77.7	18.3	9.6	0.0	96.0	1
1B	55	-4178	15	114	0	24	-18	77.7	19.6	9.6	0.0	97.2	1
1C	55	-4178	-9	-130	0	7	16	77.7	13.9	11.0	0.0	91.5	1
1D	55	-4178	15	-130	0	7	-18	77.7	15.1	11.0	0.0	92.8	1
1E	55	3699	-9	114	0	24	16	68.8	18.3	9.6	0.0	87.1	1
1F	55	3699	15	114	0	24	-18	68.8	19.6	9.6	0.0	88.3	1
1G	55	3699	-9	-130	0	7	16	68.8	13.9	11.0	0.0	82.6	1
1H	55	3699	15	-130	0	7	-18	68.8	15.1	11.0	0.0	83.9	1
1I	55	-3479	-24	103	0	125	2	64.7	33.6	8.7	0.0	98.3	1
1J	55	-3479	30	103	0	125	-3	64.7	34.8	8.7	0.0	99.5	1
1K	55	-3479	-24	-119	0	-94	2	64.7	25.6	10.1	0.0	90.2	1
1L	55	-3479	30	-119	0	-94	-3	64.7	26.8	10.1	0.0	91.4	1
1M	55	3001	-24	103	0	125	2	55.8	33.6	8.7	0.0	89.4	1
1N	55	3001	30	103	0	125	-3	55.8	34.8	8.7	0.0	90.6	1
1O	55	3001	-24	-119	0	-94	2	55.8	25.6	10.1	0.0	81.3	1
1P	55	3001	30	-119	0	-94	-3	55.8	26.8	10.1	0.0	82.5	1
2	55	1226	8	-186	0	131	-9	22.8	40.5	15.7	0.0	63.3	1
7	55	1224	7	-163	0	122	-8	22.7	37.3	13.8	0.0	60.1	1
8	55	562	8	-137	0	92	-6	10.4	28.6	11.6	0.0	39.0	1
1A	111	-4155	-9	114	0	-54	16	77.2	25.9	9.6	0.0	103.1	1
1B	111	-4155	15	114	0	-54	-14	77.2	24.4	9.6	0.0	101.6	1
1C	111	-4155	-9	-130	0	94	16	77.2	36.2	11.0	0.0	113.5	1
1D	111	-4155	15	-130	0	94	-14	77.2	34.7	11.0	0.0	111.9	1
1E	111	3722	-9	114	0	-54	16	69.2	25.9	9.6	0.0	95.1	1
1F	111	3722	15	114	0	-54	-14	69.2	24.4	9.6	0.0	93.6	1
1G	111	3722	-9	-130	0	94	16	69.2	36.2	11.0	0.0	105.4	1
1H	111	3722	15	-130	0	94	-14	69.2	34.7	11.0	0.0	103.9	1
1I	111	-3456	-24	103	0	86	-15	64.2	33.0	8.7	0.0	97.3	1
1J	111	-3456	30	103	0	86	17	64.2	34.6	8.7	0.0	98.8	1
1K	111	-3456	-24	-119	0	-46	-15	64.2	22.7	10.1	0.0	86.9	1
1L	111	-3456	30	-119	0	-46	17	64.2	24.2	10.1	0.0	88.4	1
1M	111	3024	-24	103	0	86	-15	56.2	33.0	8.7	0.0	89.2	1
1N	111	3024	30	103	0	86	17	56.2	34.6	8.7	0.0	90.8	1
1O	111	3024	-24	-119	0	-46	-15	56.2	22.7	10.1	0.0	78.9	1
1P	111	3024	30	-119	0	-46	17	56.2	24.2	10.1	0.0	80.4	1
2	111	1256	8	-23	0	189	-4	23.3	51.9	2.0	0.0	75.3	1
7	111	1254	7	-1	0	167	-4	23.3	46.2	0.3	0.0	69.5	1
8	111	592	8	-24	0	137	-2	11.0	36.6	2.0	0.0	47.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4201	41	16	23	23	14	1.03	1.00	103.1	
1B	-4201	41	19	23	23	14	1.03	1.00	104.9	
1C	-4201	38	16	23	23	14	1.03	1.00	102.3	
1D	-4201	38	19	23	23	14	1.03	1.00	104.0	
1E	3722	41	16	23	23	14	1.00	1.00	91.8	
1F	3722	41	19	23	23	14	1.00	1.00	93.6	
1G	3722	38	16	23	23	14	1.00	1.00	91.0	
1H	3722	38	19	23	23	14	1.00	1.00	92.7	
1I	-3503	133	7	23	23	14	1.03	1.00	106.8	
1J	-3503	133	9	23	23	14	1.03	1.00	108.4	
1K	-3503	104	7	23	23	14	1.03	1.00	99.2	
1L	-3503	104	9	23	23	14	1.03	1.00	100.8	
1M	3024	133	7	23	23	14	1.00	1.00	95.9	
1N	3024	133	9	23	23	14	1.00	1.00	97.5	
1O	3024	104	7	23	23	14	1.00	1.00	88.3	
1P	3024	104	9	23	23	14	1.00	1.00	89.9	
2	1256	107	10	23	23	14	1.00	1.00	58.2	
7	1254	95	9	23	23	14	1.00	1.00	54.3	
8	592	76	7	23	23	14	1.00	1.00	36.0	

ASTA NUM. 383 NI 217 NF 216 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4102	-20	-1	0	64	9	76.2	23.4	0.7	0.0	99.6	1	
1B	0	-4102	12	-1	0	64	-6	76.2	20.5	0.5	0.0	96.8	1	
1C	0	-4102	-20	-116	0	-65	9	76.2	23.8	9.9	0.0	100.0	1	
1D	0	-4102	12	-116	0	-65	-6	76.2	20.9	9.9	0.0	97.1	1	
1E	0	3852	-20	-1	0	64	9	71.6	23.4	0.7	0.0	95.0	1	
1F	0	3852	12	-1	0	64	-6	71.6	20.5	0.5	0.0	92.1	1	
1G	0	3852	-20	-116	0	-65	9	71.6	23.8	9.9	0.0	95.4	1	
1H	0	3852	12	-116	0	-65	-6	71.6	20.9	9.9	0.0	92.5	1	
1I	0	-3234	-22	0	0	99	13	60.1	35.3	0.8	0.0	95.4	1	
1J	0	-3234	14	0	0	99	-9	60.1	32.4	0.5	0.0	92.5	1	
1K	0	-3234	-22	-118	0	-100	13	60.1	35.7	10.0	0.0	95.8	1	
1L	0	-3234	14	-118	0	-100	-9	60.1	32.8	10.0	0.0	92.9	1	
1M	0	2984	-22	0	0	99	13	55.5	35.3	0.8	0.0	90.8	1	

1N	0	2984	14	0	0	99	-9	55.5	32.4	0.5	0.0	87.9	1
1O	0	2984	-22	-118	0	-100	13	55.5	35.7	10.0	0.0	91.1	1
1P	0	2984	14	-118	0	-100	-9	55.5	32.8	10.0	0.0	88.3	1
2	0	1840	4	-445	0	45	-2	34.2	13.2	37.7	0.0	73.8	4
7	0	1746	3	-391	0	46	-2	32.5	13.7	33.2	0.0	66.6	3
8	0	1048	2	-340	0	25	-0	19.5	6.5	28.8	0.0	53.6	4
1A	55	-4078	-20	-1	0	76	13	75.8	29.3	0.7	0.0	105.1	1
1B	55	-4078	12	-1	0	76	-13	75.8	29.6	0.5	0.0	105.4	1
1C	55	-4078	-20	-116	0	-13	13	75.8	13.0	9.9	0.0	88.8	1
1D	55	-4078	12	-116	0	-13	-13	75.8	13.2	9.9	0.0	89.0	1
1E	55	3875	-20	-1	0	76	13	72.0	29.3	0.7	0.0	101.4	1
1F	55	3875	12	-1	0	76	-13	72.0	29.6	0.5	0.0	101.6	1
1G	55	3875	-20	-116	0	-13	13	72.0	13.0	9.9	0.0	85.0	1
1H	55	3875	12	-116	0	-13	-13	72.0	13.2	9.9	0.0	85.3	1
1I	55	-3210	-22	0	0	103	-0	59.7	26.6	0.8	0.0	86.3	1
1J	55	-3210	14	0	0	103	-0	59.7	26.5	0.5	0.0	86.1	1
1K	55	-3210	-22	-118	0	-39	-0	59.7	10.3	10.0	0.0	70.4	3
1L	55	-3210	14	-118	0	-39	-0	59.7	10.1	10.0	0.0	70.4	3
1M	55	3007	-22	0	0	103	-0	55.9	26.6	0.8	0.0	82.5	1
1N	55	3007	14	0	0	103	-0	55.9	26.5	0.5	0.0	82.3	1
1O	55	3007	-22	-118	0	-39	-0	55.9	10.3	10.0	0.0	66.7	3
1P	55	3007	14	-118	0	-39	-0	55.9	10.1	10.0	0.0	66.7	3
2	55	1870	4	-283	0	246	-0	34.8	63.4	24.0	0.0	98.5	3
7	55	1776	3	-229	0	218	-1	33.0	56.4	19.4	0.0	89.4	1
8	55	1078	2	-226	0	181	1	20.0	47.2	19.2	0.0	68.4	3
1A	111	-4055	-20	-1	0	89	16	75.4	35.3	0.7	0.0	110.7	1
1B	111	-4055	12	-1	0	89	-21	75.4	38.7	0.5	0.0	114.0	1
1C	111	-4055	-20	-116	0	39	16	75.4	22.4	9.9	0.0	97.7	1
1D	111	-4055	12	-116	0	39	-21	75.4	25.7	9.9	0.0	101.1	1
1E	111	3898	-20	-1	0	89	16	72.5	35.3	0.7	0.0	107.7	1
1F	111	3898	12	-1	0	89	-21	72.5	38.7	0.5	0.0	111.1	1
1G	111	3898	-20	-116	0	39	16	72.5	22.4	9.9	0.0	94.8	1
1H	111	3898	12	-116	0	39	-21	72.5	25.7	9.9	0.0	98.2	1
1I	111	-3187	-22	0	0	107	-14	59.2	37.7	0.8	0.0	96.9	1
1J	111	-3187	14	0	0	107	9	59.2	34.3	0.5	0.0	93.6	1
1K	111	-3187	-22	-118	0	22	-14	59.2	16.0	10.0	0.0	75.2	1
1L	111	-3187	14	-118	0	22	9	59.2	12.6	10.0	0.0	71.8	1
1M	111	3030	-22	0	0	107	-14	56.3	37.7	0.8	0.0	94.0	1
1N	111	3030	14	0	0	107	9	56.3	34.3	0.5	0.0	90.7	1
1O	111	3030	-22	-118	0	22	-14	56.3	16.0	10.0	0.0	72.3	1
1P	111	3030	14	-118	0	22	9	56.3	12.6	10.0	0.0	68.9	1
2	111	1901	4	-120	0	358	2	35.3	93.5	10.2	0.0	128.9	1
7	111	1806	3	-66	0	299	1	33.6	77.8	5.6	0.0	111.4	1
8	111	1109	2	-112	0	275	2	20.6	72.0	9.5	0.0	92.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4102	79	14	23	23	14	1.03	1.00	109.1	
1B	-4102	79	15	23	23	14	1.03	1.00	110.0	
1C	-4102	26	14	23	23	14	1.03	1.00	95.4	
1D	-4102	26	15	23	23	14	1.03	1.00	96.3	
1E	3898	79	14	23	23	14	1.00	1.00	103.0	
1F	3898	79	15	23	23	14	1.00	1.00	103.9	
1G	3898	26	14	23	23	14	1.00	1.00	89.3	
1H	3898	26	15	23	23	14	1.00	1.00	90.2	
1I	-3234	103	5	23	23	14	1.03	1.00	92.7	
1J	-3234	103	4	23	23	14	1.03	1.00	91.3	
1K	-3234	51	5	23	23	14	1.03	1.00	79.3	
1L	-3234	51	4	23	23	14	1.03	1.00	77.9	
1M	3030	103	5	23	23	14	1.00	1.00	87.1	
1N	3030	103	4	23	23	14	1.00	1.00	85.7	
1O	3030	51	5	23	23	14	1.00	1.00	73.7	
1P	3030	51	4	23	23	14	1.00	1.00	72.3	
2	1901	232	1	23	23	14	1.00	1.00	95.8	
7	1806	198	1	23	23	14	1.00	1.00	85.2	
8	1109	175	1	23	23	14	1.00	1.00	66.3	

ASTA NUM. 384 NI 216 NF 215 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-756	-19	70	0	106	8	14.1	32.9	6.0	0.0	47.0	1	
1B	0	-756	7	70	0	106	-4	14.1	30.1	6.0	0.0	44.2	1	
1C	0	-756	-19	-94	0	-21	8	14.1	11.2	8.0	0.0	25.3	1	
1D	0	-756	7	-94	0	-21	-4	14.1	8.4	8.0	0.0	22.7	3	
1E	0	2693	-19	70	0	106	8	50.1	32.9	6.0	0.0	82.9	1	
1F	0	2693	7	70	0	106	-4	50.1	30.1	6.0	0.0	80.2	1	
1G	0	2693	-19	-94	0	-21	8	50.1	11.2	8.0	0.0	61.3	1	
1H	0	2693	7	-94	0	-21	-4	50.1	8.4	8.0	0.0	58.5	1	
1I	0	-486	-14	75	0	137	5	9.0	39.0	6.4	0.0	48.1	1	
1J	0	-486	2	75	0	137	-1	9.0	36.3	6.4	0.0	45.3	1	
1K	0	-486	-14	-99	0	-52	5	9.0	17.3	8.4	0.0	26.4	1	
1L	0	-486	2	-99	0	-52	-1	9.0	14.6	8.4	0.0	24.7	3	
1M	0	2422	-14	75	0	137	5	45.0	39.0	6.4	0.0	84.1	1	
1N	0	2422	2	75	0	137	-1	45.0	36.3	6.4	0.0	81.3	1	

1O	0	2422	-14	-99	0	-52	5	45.0	17.3	8.4	0.0	62.4	1
1P	0	2422	2	-99	0	-52	-1	45.0	14.6	8.4	0.0	59.6	1
2	0	7722	-50	-280	0	228	20	143.5	73.4	23.8	0.0	216.9	1
7	0	6444	-43	-257	0	193	17	119.8	62.5	21.8	0.0	182.3	1
8	0	5762	-38	-205	0	172	15	107.1	55.5	17.4	0.0	162.6	1
1A	55	-733	-19	70	0	63	-3	13.6	18.9	6.0	0.0	32.5	1
1B	55	-733	7	70	0	63	1	13.6	16.8	6.0	0.0	30.4	1
1C	55	-733	-19	-94	0	34	-3	13.6	11.3	8.0	0.0	25.0	1
1D	55	-733	7	-94	0	34	1	13.6	9.2	8.0	0.0	24.7	3
1E	55	2716	-19	70	0	63	-3	50.5	18.9	6.0	0.0	69.4	1
1F	55	2716	7	70	0	63	1	50.5	16.8	6.0	0.0	67.3	1
1G	55	2716	-19	-94	0	34	-3	50.5	11.3	8.0	0.0	61.8	1
1H	55	2716	7	-94	0	34	1	50.5	9.2	8.0	0.0	59.7	1
1I	55	-462	-14	75	0	87	-3	8.6	24.6	6.4	0.0	33.2	1
1J	55	-462	2	75	0	87	0	8.6	22.5	6.4	0.0	31.1	1
1K	55	-462	-14	-99	0	10	-3	8.6	4.8	8.4	0.0	17.0	3
1L	55	-462	2	-99	0	10	0	8.6	2.7	8.4	0.0	16.9	3
1M	55	2445	-14	75	0	87	-3	45.5	24.6	6.4	0.0	70.1	1
1N	55	2445	2	75	0	87	0	45.5	22.5	6.4	0.0	68.0	1
1O	55	2445	-14	-99	0	10	-3	45.5	4.8	8.4	0.0	50.3	1
1P	55	2445	2	-99	0	10	0	45.5	2.7	8.4	0.0	49.5	3
2	55	7752	-50	-118	0	338	-8	144.1	93.0	10.0	0.0	237.1	1
7	55	6474	-43	-95	0	291	-7	120.3	79.7	8.0	0.0	200.0	1
8	55	5792	-38	-92	0	255	-6	107.7	70.0	7.8	0.0	177.6	1
1A	111	-710	-19	70	0	21	-14	13.2	16.2	6.0	0.0	29.4	1
1B	111	-710	7	70	0	21	5	13.2	9.2	6.0	0.0	22.4	1
1C	111	-710	-19	-94	0	90	-14	13.2	33.9	8.0	0.0	47.1	1
1D	111	-710	7	-94	0	90	5	13.2	26.8	8.0	0.0	40.0	1
1E	111	2740	-19	70	0	21	-14	50.9	16.2	6.0	0.0	67.2	1
1F	111	2740	7	70	0	21	5	50.9	9.2	6.0	0.0	60.1	1
1G	111	2740	-19	-94	0	90	-14	50.9	33.9	8.0	0.0	84.8	1
1H	111	2740	7	-94	0	90	5	50.9	26.8	8.0	0.0	77.7	1
1I	111	-439	-14	75	0	38	-11	8.2	18.0	6.4	0.0	26.1	1
1J	111	-439	2	75	0	38	2	8.2	10.9	6.4	0.0	19.5	3
1K	111	-439	-14	-99	0	73	-11	8.2	27.0	8.4	0.0	35.2	1
1L	111	-439	2	-99	0	73	2	8.2	20.0	8.4	0.0	28.1	3
1M	111	2469	-14	75	0	38	-11	45.9	18.0	6.4	0.0	63.9	1
1N	111	2469	2	75	0	38	2	45.9	10.9	6.4	0.0	56.8	1
1O	111	2469	-14	-99	0	73	-11	45.9	27.0	8.4	0.0	72.9	1
1P	111	2469	2	-99	0	73	2	45.9	20.0	8.4	0.0	65.8	1
2	111	7783	-50	45	0	358	-36	144.7	119.0	3.8	0.0	263.7	1
7	111	6505	-43	68	0	298	-30	120.9	99.2	5.8	0.0	220.1	1
8	111	5822	-38	22	0	274	-27	108.2	90.6	1.9	0.0	198.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-756	72	6	23	23	14	1.03	1.00	37.3	
1B	-756	72	2	23	23	14	1.03	1.00	34.5	
1C	-756	45	6	23	23	14	1.03	1.00	30.4	
1D	-756	45	2	23	23	14	1.03	1.00	27.6	
1E	2740	72	6	23	23	14	1.00	1.00	73.8	
1F	2740	72	2	23	23	14	1.00	1.00	70.9	
1G	2740	45	6	23	23	14	1.00	1.00	66.9	
1H	2740	45	2	23	23	14	1.00	1.00	64.0	
1I	-486	97	5	23	23	14	1.03	1.00	37.7	
1J	-486	97	1	23	23	14	1.03	1.00	34.8	
1K	-486	29	5	23	23	14	1.03	1.00	20.2	
1L	-486	29	1	23	23	14	1.03	1.00	17.3	
1M	2469	97	5	23	23	14	1.00	1.00	74.3	
1N	2469	97	1	23	23	14	1.00	1.00	71.4	
1O	2469	29	5	23	23	14	1.00	1.00	56.8	
1P	2469	29	1	23	23	14	1.00	1.00	53.9	
2	7783	306	14	23	23	14	1.00	1.00	234.1	
7	6505	256	12	23	23	14	1.00	1.00	195.8	
8	5822	233	11	23	23	14	1.00	1.00	176.3	

ASTA NUM. 385 NI 215 NF 214 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-672	-55	-36	0	58	24	12.5	32.6	3.0	0.0	45.1	1	
1B	0	-672	54	-36	0	58	-25	12.5	34.0	3.0	0.0	46.5	1	
1C	0	-672	-55	-104	0	11	24	12.5	20.4	8.8	0.0	32.9	1	
1D	0	-672	54	-104	0	11	-25	12.5	21.8	8.8	0.0	34.3	1	
1E	0	2886	-55	-36	0	58	24	53.7	32.6	3.0	0.0	86.3	1	
1F	0	2886	54	-36	0	58	-25	53.7	34.0	3.0	0.0	87.7	1	
1G	0	2886	-55	-104	0	11	24	53.7	20.4	8.8	0.0	74.1	1	
1H	0	2886	54	-104	0	11	-25	53.7	21.8	8.8	0.0	75.5	1	
1I	0	-226	-42	-1	0	84	21	4.2	37.4	1.6	0.0	41.6	1	
1J	0	-226	42	-1	0	84	-23	4.2	38.8	1.6	0.0	43.0	1	
1K	0	-226	-42	-138	0	-15	21	4.2	19.7	11.7	0.0	23.9	1	
1L	0	-226	42	-138	0	-15	-23	4.2	21.0	11.7	0.0	25.2	1	
1M	0	2440	-42	-1	0	84	21	45.4	37.4	1.6	0.0	82.8	1	
1N	0	2440	42	-1	0	84	-23	45.4	38.8	1.6	0.0	84.1	1	
1O	0	2440	-42	-138	0	-15	21	45.4	19.7	11.7	0.0	65.0	1	

1P	0	2440	42	-138	0	-15	-23	45.4	21.0	11.7	0.0	66.4	1
2	0	8202	15	-436	0	256	-15	152.5	76.8	37.0	0.0	229.3	1
7	0	6831	10	-370	0	219	-11	127.0	64.5	31.4	0.0	191.5	1
8	0	6162	13	-338	0	191	-12	114.5	58.0	28.7	0.0	172.5	1
1A	55	-649	-55	-36	0	70	-7	12.1	23.1	3.0	0.0	35.2	1
1B	55	-649	54	-36	0	70	5	12.1	21.5	3.0	0.0	33.6	1
1C	55	-649	-55	-104	0	76	-7	12.1	24.5	8.8	0.0	36.6	1
1D	55	-649	54	-104	0	76	5	12.1	22.9	8.8	0.0	35.0	1
1E	55	2910	-55	-36	0	70	-7	54.1	23.1	3.0	0.0	77.2	1
1F	55	2910	54	-36	0	70	5	54.1	21.5	3.0	0.0	75.6	1
1G	55	2910	-55	-104	0	76	-7	54.1	24.5	8.8	0.0	78.6	1
1H	55	2910	54	-104	0	76	5	54.1	22.9	8.8	0.0	77.0	1
1I	55	-203	-42	-1	0	83	-3	3.8	23.4	1.6	0.0	27.1	1
1J	55	-203	42	-1	0	83	1	3.8	21.8	1.6	0.0	25.5	1
1K	55	-203	-42	-138	0	64	-3	3.8	18.4	11.7	0.0	25.9	3
1L	55	-203	42	-138	0	64	1	3.8	16.8	11.7	0.0	25.9	3
1M	55	2464	-42	-1	0	83	-3	45.8	23.4	1.6	0.0	69.2	1
1N	55	2464	42	-1	0	83	1	45.8	21.8	1.6	0.0	67.6	1
1O	55	2464	-42	-138	0	64	-3	45.8	18.4	11.7	0.0	64.2	1
1P	55	2464	42	-138	0	64	1	45.8	16.8	11.7	0.0	63.1	3
2	55	8232	15	-274	0	452	-7	153.0	121.3	23.2	0.0	274.3	1
7	55	6862	10	-208	0	378	-6	127.5	101.6	17.6	0.0	229.1	1
8	55	6192	13	-225	0	347	-5	115.1	92.8	19.1	0.0	207.9	1
1A	111	-625	-55	-36	0	82	-37	11.6	48.9	3.0	0.0	60.5	1
1B	111	-625	54	-36	0	82	34	11.6	47.0	3.0	0.0	58.7	1
1C	111	-625	-55	-104	0	141	-37	11.6	64.0	8.8	0.0	75.6	1
1D	111	-625	54	-104	0	141	34	11.6	62.1	8.8	0.0	73.7	1
1E	111	2933	-55	-36	0	82	-37	54.5	48.9	3.0	0.0	103.4	1
1F	111	2933	54	-36	0	82	34	54.5	47.0	3.0	0.0	101.6	1
1G	111	2933	-55	-104	0	141	-37	54.5	64.0	8.8	0.0	118.5	1
1H	111	2933	54	-104	0	141	34	54.5	62.1	8.8	0.0	116.6	1
1I	111	-179	-42	-1	0	81	-26	3.3	40.7	1.6	0.0	44.0	1
1J	111	-179	42	-1	0	81	24	3.3	38.8	1.6	0.0	42.2	1
1K	111	-179	-42	-138	0	143	-26	3.3	56.5	11.7	0.0	59.8	1
1L	111	-179	42	-138	0	143	24	3.3	54.6	11.7	0.0	58.0	1
1M	111	2487	-42	-1	0	81	-26	46.2	40.7	1.6	0.0	86.9	1
1N	111	2487	42	-1	0	81	24	46.2	38.8	1.6	0.0	85.1	1
1O	111	2487	-42	-138	0	143	-26	46.2	56.5	11.7	0.0	102.7	1
1P	111	2487	42	-138	0	143	24	46.2	54.6	11.7	0.0	100.9	1
2	111	8263	15	-111	0	559	2	153.6	145.0	9.4	0.0	298.6	1
7	111	6892	10	-45	0	448	-0	128.1	115.6	3.8	0.0	243.7	1
8	111	6223	13	-111	0	440	2	115.7	115.1	9.4	0.0	230.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg	kg*m							kg/cmq	
1A	-672	73	15	23	23	14	1.03	1.00	42.7	
1B	-672	73	14	23	23	14	1.03	1.00	41.9	
1C	-672	89	15	23	23	14	1.03	1.00	46.8	
1D	-672	89	14	23	23	14	1.03	1.00	46.1	
1E	2933	73	15	23	23	14	1.00	1.00	84.3	
1F	2933	73	14	23	23	14	1.00	1.00	83.6	
1G	2933	89	15	23	23	14	1.00	1.00	88.5	
1H	2933	89	14	23	23	14	1.00	1.00	87.7	
1I	-226	83	11	23	23	14	1.03	1.00	33.6	
1J	-226	83	10	23	23	14	1.03	1.00	32.9	
1K	-226	79	11	23	23	14	1.03	1.00	32.7	
1L	-226	79	10	23	23	14	1.03	1.00	31.9	
1M	2487	83	11	23	23	14	1.00	1.00	75.5	
1N	2487	83	10	23	23	14	1.00	1.00	74.8	
1O	2487	79	11	23	23	14	1.00	1.00	74.6	
1P	2487	79	10	23	23	14	1.00	1.00	73.8	
2	8263	438	8	23	23	14	1.00	1.00	272.3	
7	6892	356	7	23	23	14	1.00	1.00	224.8	
8	6223	341	6	23	23	14	1.00	1.00	207.8	

ASTA NUM. 386 NI 214 NF 213 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
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	cm	kg			kg*m			kg/cmq						
1A	0	1465	-12	-7	0	122	25	27.2	50.2	0.6	0.0	77.4	1	
1B	0	1465	-2	-7	0	122	-18	27.2	44.8	0.6	0.0	72.0	1	
1C	0	1465	-12	-209	0	67	25	27.2	36.2	17.7	0.0	63.4	1	
1D	0	1465	-2	-209	0	67	-18	27.2	30.8	17.7	0.0	58.0	1	
1E	0	2461	-12	-7	0	122	25	45.7	50.2	0.6	0.0	95.9	1	
1F	0	2461	-2	-7	0	122	-18	45.7	44.8	0.6	0.0	90.5	1	
1G	0	2461	-12	-209	0	67	25	45.7	36.2	17.7	0.0	81.9	1	
1H	0	2461	-2	-209	0	67	-18	45.7	30.8	17.7	0.0	76.5	1	
1I	0	1460	-11	46	0	123	22	27.1	48.2	3.9	0.0	75.4	1	
1J	0	1460	-2	46	0	123	-15	27.1	42.8	3.9	0.0	70.0	1	
1K	0	1460	-11	-262	0	66	22	27.1	33.6	22.2	0.0	60.8	1	
1L	0	1460	-2	-262	0	66	-15	27.1	28.2	22.2	0.0	55.4	1	
1M	0	2466	-11	46	0	123	22	45.8	48.2	3.9	0.0	94.1	1	
1N	0	2466	-2	46	0	123	-15	45.8	42.8	3.9	0.0	88.7	1	
1O	0	2466	-11	-262	0	66	22	45.8	33.6	22.2	0.0	79.5	1	
1P	0	2466	-2	-262	0	66	-15	45.8	28.2	22.2	0.0	74.0	1	

2	0	10880	-44	-641	0	492	29	202.2	148.6	54.4	0.0	350.9	1
7	0	8618	-35	-514	0	401	25	160.2	122.2	43.6	0.0	282.4	1
8	0	8477	-35	-499	0	385	22	157.6	115.7	42.3	0.0	273.2	1
1A	55	1488	-12	-7	0	121	23	27.7	48.2	0.6	0.0	75.9	1
1B	55	1488	-2	-7	0	121	-23	27.7	48.6	0.6	0.0	76.2	1
1C	55	1488	-12	-209	0	188	23	27.7	65.5	17.7	0.0	93.1	1
1D	55	1488	-2	-209	0	188	-23	27.7	65.8	17.7	0.0	93.5	1
1E	55	2484	-12	-7	0	121	23	46.2	48.2	0.6	0.0	94.4	1
1F	55	2484	-2	-7	0	121	-23	46.2	48.6	0.6	0.0	94.7	1
1G	55	2484	-12	-209	0	188	23	46.2	65.5	17.7	0.0	111.6	1
1H	55	2484	-2	-209	0	188	-23	46.2	65.8	17.7	0.0	112.0	1
1I	55	1483	-11	46	0	96	20	27.6	39.4	3.9	0.0	67.0	1
1J	55	1483	-2	46	0	96	-20	27.6	39.7	3.9	0.0	67.3	1
1K	55	1483	-11	-262	0	213	20	27.6	69.4	22.2	0.0	97.0	1
1L	55	1483	-2	-262	0	213	-20	27.6	69.8	22.2	0.0	97.3	1
1M	55	2489	-11	46	0	96	20	46.3	39.4	3.9	0.0	85.7	1
1N	55	2489	-2	46	0	96	-20	46.3	39.7	3.9	0.0	86.0	1
1O	55	2489	-11	-262	0	213	20	46.3	69.4	22.2	0.0	115.7	1
1P	55	2489	-2	-262	0	213	-20	46.3	69.8	22.2	0.0	116.0	1
2	55	10910	-44	-479	0	802	5	202.8	210.1	40.6	0.0	412.9	1
7	55	8648	-35	-351	0	640	6	160.7	169.4	29.8	0.0	330.1	1
8	55	8508	-35	-385	0	629	3	158.1	164.1	32.6	0.0	322.2	1
1A	111	1511	-12	-7	0	120	21	28.1	46.3	0.6	0.0	74.4	1
1B	111	1511	-2	-7	0	120	-29	28.1	52.4	0.6	0.0	80.4	1
1C	111	1511	-12	-209	0	308	21	28.1	94.8	17.7	0.0	122.9	1
1D	111	1511	-2	-209	0	308	-29	28.1	100.8	17.7	0.0	128.9	1
1E	111	2507	-12	-7	0	120	21	46.6	46.3	0.6	0.0	92.9	1
1F	111	2507	-2	-7	0	120	-29	46.6	52.4	0.6	0.0	99.0	1
1G	111	2507	-12	-209	0	308	21	46.6	94.8	17.7	0.0	141.4	1
1H	111	2507	-2	-209	0	308	-29	46.6	100.8	17.7	0.0	147.4	1
1I	111	1506	-11	46	0	69	17	28.0	30.6	3.9	0.0	58.6	1
1J	111	1506	-2	46	0	69	-25	28.0	36.6	3.9	0.0	64.6	1
1K	111	1506	-11	-262	0	359	17	28.0	105.3	22.2	0.0	133.3	1
1L	111	1506	-2	-262	0	359	-25	28.0	111.3	22.2	0.0	139.3	1
1M	111	2512	-11	46	0	69	17	46.7	30.6	3.9	0.0	77.3	1
1N	111	2512	-2	46	0	69	-25	46.7	36.6	3.9	0.0	83.3	1
1O	111	2512	-11	-262	0	359	17	46.7	105.3	22.2	0.0	151.9	1
1P	111	2512	-2	-262	0	359	-25	46.7	111.3	22.2	0.0	158.0	1
2	111	10940	-44	-316	0	1022	-19	203.3	277.6	26.8	0.0	480.9	1
7	111	8678	-35	-189	0	790	-13	161.3	212.9	16.0	0.0	374.2	1
8	111	8538	-35	-271	0	811	-16	158.7	220.9	23.0	0.0	379.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1511	121	23	23	23	14	1.00	1.00	76.7	
1B	1511	121	24	23	23	14	1.00	1.00	77.5	
1C	1511	212	23	23	23	14	1.00	1.00	100.1	
1D	1511	212	24	23	23	14	1.00	1.00	100.9	
1E	2507	121	23	23	23	14	1.00	1.00	95.2	
1F	2507	121	24	23	23	14	1.00	1.00	96.0	
1G	2507	212	23	23	23	14	1.00	1.00	118.6	
1H	2507	212	24	23	23	14	1.00	1.00	119.4	
1I	1506	101	20	23	23	14	1.00	1.00	69.2	
1J	1506	101	21	23	23	14	1.00	1.00	69.9	
1K	1506	242	20	23	23	14	1.00	1.00	105.4	
1L	1506	242	21	23	23	14	1.00	1.00	106.1	
1M	2512	101	20	23	23	14	1.00	1.00	87.9	
1N	2512	101	21	23	23	14	1.00	1.00	88.6	
1O	2512	242	20	23	23	14	1.00	1.00	124.0	
1P	2512	242	21	23	23	14	1.00	1.00	124.8	
2	10940	810	12	23	23	14	1.00	1.00	420.6	
7	8678	634	10	23	23	14	1.00	1.00	332.1	
8	8538	640	9	23	23	14	1.00	1.00	330.1	

ASTA NUM. 387 NI 213 NF 203 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1406	-48	378	0	303	59	26.1	121.7	32.0	0.0	147.8	1	
1B	0	1406	63	378	0	303	-71	26.1	131.1	32.0	0.0	157.2	1	
1C	0	1406	-48	226	0	157	59	26.1	84.2	19.2	0.0	110.4	1	
1D	0	1406	63	226	0	157	-71	26.1	93.7	19.2	0.0	119.8	1	
1E	0	2524	-48	378	0	303	59	46.9	121.7	32.0	0.0	168.6	1	
1F	0	2524	63	378	0	303	-71	46.9	131.1	32.0	0.0	178.0	1	
1G	0	2524	-48	226	0	157	59	46.9	84.2	19.2	0.0	131.1	1	
1H	0	2524	63	226	0	157	-71	46.9	93.7	19.2	0.0	140.6	1	
1I	0	1379	-42	417	0	351	47	25.6	125.8	35.4	0.0	151.4	1	
1J	0	1379	57	417	0	351	-60	25.6	135.2	35.4	0.0	160.8	1	
1K	0	1379	-42	187	0	109	47	25.6	63.4	15.9	0.0	89.0	1	
1L	0	1379	57	187	0	109	-60	25.6	72.8	15.9	0.0	98.5	1	
1M	0	2551	-42	417	0	351	47	47.4	125.8	35.4	0.0	173.2	1	
1N	0	2551	57	417	0	351	-60	47.4	135.2	35.4	0.0	182.6	1	
1O	0	2551	-42	187	0	109	47	47.4	63.4	15.9	0.0	110.8	1	
1P	0	2551	57	187	0	109	-60	47.4	72.8	15.9	0.0	120.2	1	
2	0	10610	29	1392	0	1122	-25	197.2	307.6	118.0	0.0	504.8	1	

7	0	8394	20	1066	0	874	-17	156.0	237.3	90.4	0.0	393.3	1
8	0	8285	24	1108	0	887	-22	154.0	244.4	93.9	0.0	398.3	1
1A	55	1429	-48	378	0	69	33	26.6	42.5	32.0	0.0	69.1	1
1B	55	1429	63	378	0	69	-38	26.6	45.9	32.0	0.0	72.5	1
1C	55	1429	-48	226	0	57	33	26.6	39.4	19.2	0.0	65.9	1
1D	55	1429	63	226	0	57	-38	26.6	42.7	19.2	0.0	69.3	1
1E	55	2547	-48	378	0	69	33	47.3	42.5	32.0	0.0	89.9	1
1F	55	2547	63	378	0	69	-38	47.3	45.9	32.0	0.0	93.2	1
1G	55	2547	-48	226	0	57	33	47.3	39.4	19.2	0.0	86.7	1
1H	55	2547	63	226	0	57	-38	47.3	42.7	19.2	0.0	90.0	1
1I	55	1402	-42	417	0	104	23	26.1	43.6	35.4	0.0	74.1	3
1J	55	1402	57	417	0	104	-27	26.1	47.0	35.4	0.0	74.3	3
1K	55	1402	-42	187	0	22	23	26.1	22.5	15.9	0.0	48.5	1
1L	55	1402	57	187	0	22	-27	26.1	25.8	15.9	0.0	51.9	1
1M	55	2574	-42	417	0	104	23	47.8	43.6	35.4	0.0	91.5	1
1N	55	2574	57	417	0	104	-27	47.8	47.0	35.4	0.0	94.9	1
1O	55	2574	-42	187	0	22	23	47.8	22.5	15.9	0.0	70.3	1
1P	55	2574	57	187	0	22	-27	47.8	25.8	15.9	0.0	73.7	1
2	55	10640	29	1554	0	307	-9	197.8	85.9	131.8	0.0	336.1	3
7	55	8424	20	1228	0	239	-6	156.6	65.7	104.2	0.0	265.1	3
8	55	8316	24	1222	0	243	-8	154.6	68.5	103.6	0.0	263.7	3
1A	111	1452	-48	378	0	-165	8	27.0	48.1	32.0	0.0	81.6	3
1B	111	1452	63	378	0	-165	-4	27.0	45.4	32.0	0.0	81.5	3
1C	111	1452	-48	226	0	-44	8	27.0	17.1	19.2	0.0	47.6	3
1D	111	1452	63	226	0	-44	-4	27.0	14.4	19.2	0.0	47.6	3
1E	111	2570	-48	378	0	-165	8	47.8	48.1	32.0	0.0	98.9	3
1F	111	2570	63	378	0	-165	-4	47.8	45.4	32.0	0.0	98.9	3
1G	111	2570	-48	226	0	-44	8	47.8	17.1	19.2	0.0	65.2	3
1H	111	2570	63	226	0	-44	-4	47.8	14.4	19.2	0.0	65.1	3
1I	111	1425	-42	417	0	-143	-2	26.5	38.5	35.4	0.0	80.5	3
1J	111	1425	57	417	0	-143	6	26.5	41.2	35.4	0.0	80.6	3
1K	111	1425	-42	187	0	-65	-2	26.5	18.4	15.9	0.0	48.2	3
1L	111	1425	57	187	0	-65	6	26.5	21.1	15.9	0.0	48.4	3
1M	111	2597	-42	417	0	-143	-2	48.3	38.5	35.4	0.0	97.7	3
1N	111	2597	57	417	0	-143	6	48.3	41.2	35.4	0.0	97.8	3
1O	111	2597	-42	187	0	-65	-2	48.3	18.4	15.9	0.0	67.9	3
1P	111	2597	57	187	0	-65	6	48.3	21.1	15.9	0.0	69.4	1
2	111	10670	29	1717	0	-598	7	198.3	158.9	145.6	0.0	403.5	3
7	111	8455	20	1391	0	-486	5	157.2	129.0	117.9	0.0	324.2	3
8	111	8346	24	1335	0	-465	5	155.1	123.6	113.2	0.0	314.4	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1452	121	38	23	23	14	1.00	1.00	86.7	
1B	1452	121	44	23	23	14	1.00	1.00	91.3	
1C	1452	77	38	23	23	14	1.00	1.00	75.3	
1D	1452	77	44	23	23	14	1.00	1.00	79.9	
1E	2570	121	38	23	23	14	1.00	1.00	107.5	
1F	2570	121	44	23	23	14	1.00	1.00	112.1	
1G	2570	77	38	23	23	14	1.00	1.00	96.1	
1H	2570	77	44	23	23	14	1.00	1.00	100.7	
1I	1425	153	28	23	23	14	1.00	1.00	86.6	
1J	1425	153	34	23	23	14	1.00	1.00	91.1	
1K	1425	43	28	23	23	14	1.00	1.00	58.3	
1L	1425	43	34	23	23	14	1.00	1.00	62.9	
1M	2597	153	28	23	23	14	1.00	1.00	108.3	
1N	2597	153	34	23	23	14	1.00	1.00	112.9	
1O	2597	43	28	23	23	14	1.00	1.00	80.1	
1P	2597	43	34	23	23	14	1.00	1.00	84.6	
2	10670	449	13	23	23	14	1.00	1.00	323.2	
7	8455	349	8	23	23	14	1.00	1.00	253.0	
8	8346	355	11	23	23	14	1.00	1.00	254.5	

ASTA NUM. 388 NI 200 NF 199 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9357	-9	192	0	112	26	173.9	48.1	16.3	0.0	222.0	1	
1B	0	-9357	34	192	0	112	-38	173.9	57.2	16.3	0.0	231.1	1	
1C	0	-9357	-9	-159	0	-95	26	173.9	43.7	13.4	0.0	217.7	1	
1D	0	-9357	34	-159	0	-95	-38	173.9	52.8	13.4	0.0	226.8	1	
1E	0	7545	-9	192	0	112	26	140.2	48.1	16.3	0.0	188.3	1	
1F	0	7545	34	192	0	112	-38	140.2	57.2	16.3	0.0	197.4	1	
1G	0	7545	-9	-159	0	-95	26	140.2	43.7	13.4	0.0	184.0	1	
1H	0	7545	34	-159	0	-95	-38	140.2	52.8	13.4	0.0	193.1	1	
1I	0	-7215	-31	104	0	79	26	134.1	39.7	8.8	0.0	173.8	1	
1J	0	-7215	56	104	0	79	-38	134.1	48.8	8.8	0.0	182.9	1	
1K	0	-7215	-31	-70	0	-62	26	134.1	35.3	6.0	0.0	169.4	1	
1L	0	-7215	56	-70	0	-62	-38	134.1	44.4	6.0	0.0	178.5	1	
1M	0	5403	-31	104	0	79	26	100.4	39.7	8.8	0.0	140.1	1	
1N	0	5403	56	104	0	79	-38	100.4	48.8	8.8	0.0	149.2	1	
1O	0	5403	-31	-70	0	-62	26	100.4	35.3	6.0	0.0	135.8	1	
1P	0	5403	56	-70	0	-62	-38	100.4	44.4	6.0	0.0	144.8	1	
2	0	-5625	80	-125	0	-92	-47	104.6	58.5	10.6	0.0	163.1	1	
7	0	-4892	68	-107	0	-75	-40	90.9	49.5	9.1	0.0	140.4	1	

8	0	-4669	65	-103	0	-78	-38	86.8	48.6	8.8	0.0	135.4	1
1A	55	-9334	-9	192	0	-5	28	173.5	22.1	16.3	0.0	195.6	1
1B	55	-9334	34	192	0	-5	-26	173.5	20.9	16.3	0.0	194.4	1
1C	55	-9334	-9	-159	0	3	28	173.5	21.7	13.4	0.0	195.2	1
1D	55	-9334	34	-159	0	3	-26	173.5	20.5	13.4	0.0	194.0	1
1E	55	7568	-9	192	0	-5	28	140.7	22.1	16.3	0.0	162.8	1
1F	55	7568	34	192	0	-5	-26	140.7	20.9	16.3	0.0	161.6	1
1G	55	7568	-9	-159	0	3	28	140.7	21.7	13.4	0.0	162.4	1
1H	55	7568	34	-159	0	3	-26	140.7	20.5	13.4	0.0	161.2	1
1I	55	-7192	-31	104	0	-14	4	133.7	6.5	8.8	0.0	140.2	1
1J	55	-7192	56	104	0	-14	-2	133.7	5.3	8.8	0.0	139.0	1
1K	55	-7192	-31	-70	0	12	4	133.7	6.1	6.0	0.0	139.8	1
1L	55	-7192	56	-70	0	12	-2	133.7	4.9	6.0	0.0	138.6	1
1M	55	5426	-31	104	0	-14	4	100.9	6.5	8.8	0.0	107.4	1
1N	55	5426	56	104	0	-14	-2	100.9	5.3	8.8	0.0	106.2	1
1O	55	5426	-31	-70	0	12	4	100.9	6.1	6.0	0.0	107.0	1
1P	55	5426	56	-70	0	12	-2	100.9	4.9	6.0	0.0	105.7	1
2	55	-5594	80	-62	0	-40	-3	104.0	12.2	5.3	0.0	116.2	1
7	55	-4862	68	-47	0	-32	-3	90.4	10.2	4.0	0.0	100.6	1
8	55	-4638	65	-56	0	-34	-2	86.2	10.4	4.8	0.0	96.6	1
1A	111	-9311	-9	192	0	-122	30	173.1	53.7	16.3	0.0	226.8	1
1B	111	-9311	34	192	0	-122	-14	173.1	42.2	16.3	0.0	215.3	1
1C	111	-9311	-9	-159	0	102	30	173.1	48.5	13.4	0.0	221.6	1
1D	111	-9311	34	-159	0	102	-14	173.1	37.0	13.4	0.0	210.1	1
1E	111	7592	-9	192	0	-122	30	141.1	53.7	16.3	0.0	194.8	1
1F	111	7592	34	192	0	-122	-14	141.1	42.2	16.3	0.0	183.3	1
1G	111	7592	-9	-159	0	102	30	141.1	48.5	13.4	0.0	189.6	1
1H	111	7592	34	-159	0	102	-14	141.1	37.0	13.4	0.0	178.1	1
1I	111	-7169	-31	104	0	-106	-18	133.2	40.6	8.8	0.0	173.8	1
1J	111	-7169	56	104	0	-106	33	133.2	52.1	8.8	0.0	185.3	1
1K	111	-7169	-31	-70	0	85	-18	133.2	35.4	6.0	0.0	168.6	1
1L	111	-7169	56	-70	0	85	33	133.2	46.9	6.0	0.0	180.1	1
1M	111	5450	-31	104	0	-106	-18	101.3	40.6	8.8	0.0	141.9	1
1N	111	5450	56	104	0	-106	33	101.3	52.1	8.8	0.0	153.4	1
1O	111	5450	-31	-70	0	85	-18	101.3	35.4	6.0	0.0	136.7	1
1P	111	5450	56	-70	0	85	33	101.3	46.9	6.0	0.0	148.2	1
2	111	-5564	80	1	0	-23	42	103.4	37.0	3.0	0.0	140.5	1
7	111	-4832	68	14	0	-23	35	89.8	32.4	2.6	0.0	122.2	1
8	111	-4608	65	-9	0	-16	34	85.7	29.4	2.4	0.0	115.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9357	49	28	23	23	14	1.03	1.00	212.9	
1B	-9357	49	29	23	23	14	1.03	1.00	213.2	
1C	-9357	41	28	23	23	14	1.03	1.00	210.8	
1D	-9357	41	29	23	23	14	1.03	1.00	211.1	
1E	7592	49	28	23	23	14	1.00	1.00	174.8	
1F	7592	49	29	23	23	14	1.00	1.00	175.0	
1G	7592	41	28	23	23	14	1.00	1.00	172.7	
1H	7592	41	29	23	23	14	1.00	1.00	172.9	
1I	-7215	42	10	23	23	14	1.03	1.00	156.8	
1J	-7215	42	15	23	23	14	1.03	1.00	160.5	
1K	-7215	34	10	23	23	14	1.03	1.00	154.8	
1L	-7215	34	15	23	23	14	1.03	1.00	158.4	
1M	5450	42	10	23	23	14	1.00	1.00	120.0	
1N	5450	42	15	23	23	14	1.00	1.00	123.6	
1O	5450	34	10	23	23	14	1.00	1.00	117.9	
1P	5450	34	15	23	23	14	1.00	1.00	121.5	
2	-5625	64	19	23	23	14	1.03	1.00	138.3	
7	-4892	54	16	23	23	14	1.03	1.00	119.7	
8	-4669	53	15	23	23	14	1.03	1.00	114.6	

ASTA NUM. 389 NI 199 NF 198 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5240	-19	86	0	72	29	97.4	40.2	7.3	0.0	137.6	1	
1B	0	-5240	4	86	0	72	-18	97.4	32.4	7.3	0.0	129.8	1	
1C	0	-5240	-19	-124	0	-94	29	97.4	45.8	10.5	0.0	143.2	1	
1D	0	-5240	4	-124	0	-94	-18	97.4	38.0	10.5	0.0	135.4	1	
1E	0	3908	-19	86	0	72	29	72.6	40.2	7.3	0.0	112.9	1	
1F	0	3908	4	86	0	72	-18	72.6	32.4	7.3	0.0	105.0	1	
1G	0	3908	-19	-124	0	-94	29	72.6	45.8	10.5	0.0	118.5	1	
1H	0	3908	4	-124	0	-94	-18	72.6	38.0	10.5	0.0	110.6	1	
1I	0	-4728	-31	65	0	83	25	87.9	40.2	5.5	0.0	128.1	1	
1J	0	-4728	17	65	0	83	-15	87.9	32.4	5.5	0.0	120.3	1	
1K	0	-4728	-31	-103	0	-105	25	87.9	45.8	8.7	0.0	133.7	1	
1L	0	-4728	17	-103	0	-105	-15	87.9	38.0	8.7	0.0	125.9	1	
1M	0	3396	-31	65	0	83	25	63.1	40.2	5.5	0.0	103.4	1	
1N	0	3396	17	65	0	83	-15	63.1	32.4	5.5	0.0	95.5	1	
1O	0	3396	-31	-103	0	-105	25	63.1	45.8	8.7	0.0	109.0	1	
1P	0	3396	17	-103	0	-105	-15	63.1	38.0	8.7	0.0	101.1	1	
2	0	-4067	-36	-216	0	-93	30	75.6	46.3	18.3	0.0	121.9	1	
7	0	-3509	-30	-190	0	-80	24	65.2	39.1	16.1	0.0	104.3	1	
8	0	-3462	-31	-176	0	-78	25	64.3	38.8	14.9	0.0	103.1	1	

1A	55	-5216	-19	86	0	21	22	97.0	21.9	7.3	0.0	118.9	1
1B	55	-5216	4	86	0	21	-20	97.0	19.9	7.3	0.0	116.9	1
1C	55	-5216	-19	-124	0	-21	22	97.0	22.1	10.5	0.0	119.0	1
1D	55	-5216	4	-124	0	-21	-20	97.0	20.1	10.5	0.0	117.0	1
1E	55	3931	-19	86	0	21	22	73.1	21.9	7.3	0.0	95.0	1
1F	55	3931	4	86	0	21	-20	73.1	19.9	7.3	0.0	93.0	1
1G	55	3931	-19	-124	0	-21	22	73.1	22.1	10.5	0.0	95.1	1
1H	55	3931	4	-124	0	-21	-20	73.1	20.1	10.5	0.0	93.1	1
1I	55	-4705	-31	65	0	59	4	87.4	18.0	5.5	0.0	105.4	1
1J	55	-4705	17	65	0	59	-1	87.4	16.0	5.5	0.0	103.5	1
1K	55	-4705	-31	-103	0	-59	4	87.4	18.1	8.7	0.0	105.6	1
1L	55	-4705	17	-103	0	-59	-1	87.4	16.1	8.7	0.0	103.6	1
1M	55	3419	-31	65	0	59	4	63.6	18.0	5.5	0.0	81.6	1
1N	55	3419	17	65	0	59	-1	63.6	16.0	5.5	0.0	79.6	1
1O	55	3419	-31	-103	0	-59	4	63.6	18.1	8.7	0.0	81.7	1
1P	55	3419	17	-103	0	-59	-1	63.6	16.1	8.7	0.0	79.7	1
2	55	-4036	-36	-152	0	9	10	75.0	9.7	12.9	0.0	84.7	1
7	55	-3478	-30	-130	0	8	8	64.7	8.1	11.0	0.0	72.8	1
8	55	-3432	-31	-129	0	7	8	63.8	7.8	11.0	0.0	71.6	1
1A	111	-5193	-19	86	0	-31	15	96.5	19.5	7.3	0.0	116.0	1
1B	111	-5193	4	86	0	-31	-21	96.5	23.3	7.3	0.0	119.8	1
1C	111	-5193	-19	-124	0	52	15	96.5	24.8	10.5	0.0	121.3	1
1D	111	-5193	4	-124	0	52	-21	96.5	28.7	10.5	0.0	125.2	1
1E	111	3954	-19	86	0	-31	15	73.5	19.5	7.3	0.0	93.0	1
1F	111	3954	4	86	0	-31	-21	73.5	23.3	7.3	0.0	96.8	1
1G	111	3954	-19	-124	0	52	15	73.5	24.8	10.5	0.0	98.3	1
1H	111	3954	4	-124	0	52	-21	73.5	28.7	10.5	0.0	102.2	1
1I	111	-4681	-31	65	0	35	-18	87.0	22.0	5.5	0.0	109.0	1
1J	111	-4681	17	65	0	35	12	87.0	18.2	5.5	0.0	105.2	1
1K	111	-4681	-31	-103	0	-14	-18	87.0	16.7	8.7	0.0	103.7	1
1L	111	-4681	17	-103	0	-14	12	87.0	12.8	8.7	0.0	99.8	1
1M	111	3443	-31	65	0	35	-18	64.0	22.0	5.5	0.0	86.0	1
1N	111	3443	17	65	0	35	12	64.0	18.2	5.5	0.0	82.2	1
1O	111	3443	-31	-103	0	-14	-18	64.0	16.7	8.7	0.0	80.7	1
1P	111	3443	17	-103	0	-14	12	64.0	12.8	8.7	0.0	76.8	1
2	111	-4006	-36	-89	0	75	-10	74.5	26.9	7.6	0.0	101.3	1
7	111	-3448	-30	-69	0	63	-8	64.1	22.5	5.9	0.0	86.6	1
8	111	-3401	-31	-82	0	65	-9	63.2	23.5	7.0	0.0	86.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5240	31	24	23	23	14	1.03	1.00	126.0	
1B	-5240	31	20	23	23	14	1.03	1.00	123.1	
1C	-5240	38	24	23	23	14	1.03	1.00	127.6	
1D	-5240	38	20	23	23	14	1.03	1.00	124.8	
1E	3954	31	24	23	23	14	1.00	1.00	99.1	
1F	3954	31	20	23	23	14	1.00	1.00	96.3	
1G	3954	38	24	23	23	14	1.00	1.00	100.8	
1H	3954	38	20	23	23	14	1.00	1.00	97.9	
1I	-4728	64	10	23	23	14	1.03	1.00	114.5	
1J	-4728	64	6	23	23	14	1.03	1.00	111.3	
1K	-4728	69	10	23	23	14	1.03	1.00	115.7	
1L	-4728	69	6	23	23	14	1.03	1.00	112.6	
1M	3443	64	10	23	23	14	1.00	1.00	87.9	
1N	3443	64	6	23	23	14	1.00	1.00	84.8	
1O	3443	69	10	23	23	14	1.00	1.00	89.2	
1P	3443	69	6	23	23	14	1.00	1.00	86.0	
2	-4067	37	14	23	23	14	1.03	1.00	97.9	
7	-3509	32	11	23	23	14	1.03	1.00	84.0	
8	-3462	31	11	23	23	14	1.03	1.00	82.9	

ASTA NUM. 390 NI 198 NF 197 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6342	-7	126	0	78	13	117.9	30.2	10.7	0.0	148.1	1	
1B	0	-6342	15	126	0	78	-20	117.9	34.9	10.7	0.0	152.8	1	
1C	0	-6342	-7	-107	0	-61	13	117.9	25.9	9.1	0.0	143.8	1	
1D	0	-6342	15	-107	0	-61	-20	117.9	30.6	9.1	0.0	148.4	1	
1E	0	5307	-7	126	0	78	13	98.7	30.2	10.7	0.0	128.9	1	
1F	0	5307	15	126	0	78	-20	98.7	34.9	10.7	0.0	133.6	1	
1G	0	5307	-7	-107	0	-61	13	98.7	25.9	9.1	0.0	124.5	1	
1H	0	5307	15	-107	0	-61	-20	98.7	30.6	9.1	0.0	129.2	1	
1I	0	-4417	-23	64	0	54	17	82.1	26.4	5.4	0.0	108.5	1	
1J	0	-4417	31	64	0	54	-23	82.1	31.1	5.4	0.0	113.1	1	
1K	0	-4417	-23	-45	0	-37	17	82.1	22.0	3.8	0.0	104.1	1	
1L	0	-4417	31	-45	0	-37	-23	82.1	26.7	3.8	0.0	108.8	1	
1M	0	3382	-23	64	0	54	17	62.9	26.4	5.4	0.0	89.3	1	
1N	0	3382	31	64	0	54	-23	62.9	31.1	5.4	0.0	93.9	1	
1O	0	3382	-23	-45	0	-37	17	62.9	22.0	3.8	0.0	84.9	1	
1P	0	3382	31	-45	0	-37	-23	62.9	26.7	3.8	0.0	89.6	1	
2	0	-741	8	-117	0	17	-13	13.8	14.4	9.9	0.0	28.2	1	
7	0	-749	7	-103	0	15	-12	13.9	12.7	8.7	0.0	26.6	1	
8	0	-585	8	-94	0	15	-11	10.9	12.1	8.0	0.0	23.0	1	

1A	55	-6318	-7	126	0	3	15	117.4	12.2	10.7	0.0	129.6	1
1B	55	-6318	15	126	0	3	-17	117.4	13.4	10.7	0.0	130.9	1
1C	55	-6318	-7	-107	0	3	15	117.4	12.1	9.1	0.0	129.5	1
1D	55	-6318	15	-107	0	3	-17	117.4	13.4	9.1	0.0	130.8	1
1E	55	5331	-7	126	0	3	15	99.1	12.2	10.7	0.0	111.3	1
1F	55	5331	15	126	0	3	-17	99.1	13.4	10.7	0.0	112.5	1
1G	55	5331	-7	-107	0	3	15	99.1	12.1	9.1	0.0	111.2	1
1H	55	5331	15	-107	0	3	-17	99.1	13.4	9.1	0.0	112.4	1
1I	55	-4393	-23	64	0	1	1	81.7	1.2	5.4	0.0	82.9	1
1J	55	-4393	31	64	0	1	-3	81.7	2.5	5.4	0.0	84.1	1
1K	55	-4393	-23	-45	0	5	1	81.7	2.1	3.8	0.0	83.7	1
1L	55	-4393	31	-45	0	5	-3	81.7	3.4	3.8	0.0	85.0	1
1M	55	3406	-23	64	0	1	1	63.3	1.2	5.4	0.0	64.5	1
1N	55	3406	31	64	0	1	-3	63.3	2.5	5.4	0.0	65.8	1
1O	55	3406	-23	-45	0	5	1	63.3	2.1	3.8	0.0	65.4	1
1P	55	3406	31	-45	0	5	-3	63.3	3.4	3.8	0.0	66.7	1
2	55	-711	8	-54	0	64	-9	13.2	23.3	4.6	0.0	36.5	1
7	55	-718	7	-42	0	55	-8	13.4	20.2	3.6	0.0	33.6	1
8	55	-555	8	-47	0	53	-7	10.3	18.7	4.0	0.0	29.0	1
1A	111	-6295	-7	126	0	-72	17	117.0	31.0	10.7	0.0	148.0	1
1B	111	-6295	15	126	0	-72	-14	117.0	28.9	10.7	0.0	145.9	1
1C	111	-6295	-7	-107	0	67	17	117.0	29.9	9.1	0.0	146.9	1
1D	111	-6295	15	-107	0	67	-14	117.0	27.8	9.1	0.0	144.8	1
1E	111	5354	-7	126	0	-72	17	99.5	31.0	10.7	0.0	130.5	1
1F	111	5354	15	126	0	-72	-14	99.5	28.9	10.7	0.0	128.4	1
1G	111	5354	-7	-107	0	67	17	99.5	29.9	9.1	0.0	129.4	1
1H	111	5354	15	-107	0	67	-14	99.5	27.8	9.1	0.0	127.3	1
1I	111	-4370	-23	64	0	-51	-15	81.2	24.0	5.4	0.0	105.2	1
1J	111	-4370	31	64	0	-51	17	81.2	26.1	5.4	0.0	107.3	1
1K	111	-4370	-23	-45	0	46	-15	81.2	22.9	3.8	0.0	104.1	1
1L	111	-4370	31	-45	0	46	17	81.2	25.0	3.8	0.0	106.2	1
1M	111	3429	-23	64	0	-51	-15	63.7	24.0	5.4	0.0	87.7	1
1N	111	3429	31	64	0	-51	17	63.7	26.1	5.4	0.0	89.8	1
1O	111	3429	-23	-45	0	46	-15	63.7	22.9	3.8	0.0	86.6	1
1P	111	3429	31	-45	0	46	17	63.7	25.0	3.8	0.0	88.7	1
2	111	-680	8	9	0	76	-5	12.6	23.3	0.8	0.0	35.9	1
7	111	-688	7	18	0	61	-5	12.8	19.2	1.6	0.0	32.0	1
8	111	-524	8	0	0	66	-2	9.7	18.6	0.3	0.0	28.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6342	31	15	23	23	14	1.03	1.00	141.1	
1B	-6342	31	17	23	23	14	1.03	1.00	142.5	
1C	-6342	27	15	23	23	14	1.03	1.00	140.0	
1D	-6342	27	17	23	23	14	1.03	1.00	141.4	
1E	5354	31	15	23	23	14	1.00	1.00	119.2	
1F	5354	31	17	23	23	14	1.00	1.00	120.6	
1G	5354	27	15	23	23	14	1.00	1.00	118.0	
1H	5354	27	17	23	23	14	1.00	1.00	119.5	
1I	-4417	21	7	23	23	14	1.03	1.00	95.1	
1J	-4417	21	9	23	23	14	1.03	1.00	97.0	
1K	-4417	19	7	23	23	14	1.03	1.00	94.4	
1L	-4417	19	9	23	23	14	1.03	1.00	96.3	
1M	3429	21	7	23	23	14	1.00	1.00	74.3	
1N	3429	21	9	23	23	14	1.00	1.00	76.2	
1O	3429	19	7	23	23	14	1.00	1.00	73.6	
1P	3429	19	9	23	23	14	1.00	1.00	75.4	
2	-741	52	10	23	23	14	1.03	1.00	35.2	
7	-749	43	9	23	23	14	1.03	1.00	32.0	
8	-585	46	8	23	23	14	1.03	1.00	28.6	

ASTA NUM. 391 NI 197 NF 196 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2278	-15	44	0	35	11	42.3	17.5	3.7	0.0	59.8	1	
1B	0	-2278	10	44	0	35	-9	42.3	15.6	3.7	0.0	57.9	1	
1C	0	-2278	-15	-73	0	-40	11	42.3	18.9	6.1	0.0	61.2	1	
1D	0	-2278	10	-73	0	-40	-9	42.3	16.9	6.1	0.0	59.3	1	
1E	0	1721	-15	44	0	35	11	32.0	17.5	3.7	0.0	49.5	1	
1F	0	1721	10	44	0	35	-9	32.0	15.6	3.7	0.0	47.6	1	
1G	0	1721	-15	-73	0	-40	11	32.0	18.9	6.1	0.0	50.9	1	
1H	0	1721	10	-73	0	-40	-9	32.0	16.9	6.1	0.0	48.9	1	
1I	0	-1910	-19	43	0	39	13	35.5	20.0	3.7	0.0	55.5	1	
1J	0	-1910	14	43	0	39	-11	35.5	18.1	3.7	0.0	53.6	1	
1K	0	-1910	-19	-72	0	-44	13	35.5	21.4	6.1	0.0	56.9	1	
1L	0	-1910	14	-72	0	-44	-11	35.5	19.5	6.1	0.0	55.0	1	
1M	0	1353	-19	43	0	39	13	25.2	20.0	3.7	0.0	45.2	1	
1N	0	1353	14	43	0	39	-11	25.2	18.1	3.7	0.0	43.2	1	
1O	0	1353	-19	-72	0	-44	13	25.2	21.4	6.1	0.0	46.6	1	
1P	0	1353	14	-72	0	-44	-11	25.2	19.5	6.1	0.0	44.6	1	
2	0	691	6	-145	0	43	-3	12.8	13.3	12.3	0.0	29.5	3	
7	0	530	5	-130	0	34	-3	9.8	11.3	11.0	0.0	24.5	3	
8	0	511	4	-116	0	37	-1	9.5	10.2	9.9	0.0	23.4	3	
1A	55	-2254	-15	44	0	10	13	41.9	12.6	3.7	0.0	54.5	1	

1B	55	-2254	10	44	0	10	-13	41.9	12.7	3.7	0.0	54.6	1
1C	55	-2254	-15	-73	0	0	13	41.9	10.0	6.1	0.0	51.9	1
1D	55	-2254	10	-73	0	0	-13	41.9	10.1	6.1	0.0	52.0	1
1E	55	1744	-15	44	0	10	13	32.4	12.6	3.7	0.0	45.0	1
1F	55	1744	10	44	0	10	-13	32.4	12.7	3.7	0.0	45.1	1
1G	55	1744	-15	-73	0	0	13	32.4	10.0	6.1	0.0	42.4	1
1H	55	1744	10	-73	0	0	-13	32.4	10.1	6.1	0.0	42.5	1
1I	55	-1887	-19	43	0	14	1	35.1	4.1	3.7	0.0	39.1	1
1J	55	-1887	14	43	0	14	-1	35.1	4.2	3.7	0.0	39.2	1
1K	55	-1887	-19	-72	0	-4	1	35.1	1.4	6.1	0.0	37.2	3
1L	55	-1887	14	-72	0	-4	-1	35.1	1.5	6.1	0.0	37.2	3
1M	55	1377	-19	43	0	14	1	25.6	4.1	3.7	0.0	29.7	1
1N	55	1377	14	43	0	14	-1	25.6	4.2	3.7	0.0	29.8	1
1O	55	1377	-19	-72	0	-4	1	25.6	1.4	6.1	0.0	28.1	3
1P	55	1377	14	-72	0	-4	-1	25.6	1.5	6.1	0.0	28.1	3
2	55	721	6	-81	0	105	0	13.4	27.3	6.9	0.0	40.7	1
7	55	560	5	-70	0	89	-0	10.4	23.2	5.9	0.0	33.6	1
8	55	541	4	-69	0	88	1	10.1	23.3	5.9	0.0	33.4	1
1A	111	-2231	-15	44	0	-15	15	41.5	15.3	3.7	0.0	56.7	1
1B	111	-2231	10	44	0	-15	-18	41.5	17.4	3.7	0.0	58.9	1
1C	111	-2231	-15	-73	0	41	15	41.5	22.0	6.1	0.0	63.4	1
1D	111	-2231	10	-73	0	41	-18	41.5	24.1	6.1	0.0	65.6	1
1E	111	1768	-15	44	0	-15	15	32.9	15.3	3.7	0.0	48.1	1
1F	111	1768	10	44	0	-15	-18	32.9	17.4	3.7	0.0	50.2	1
1G	111	1768	-15	-73	0	41	15	32.9	22.0	6.1	0.0	54.8	1
1H	111	1768	10	-73	0	41	-18	32.9	24.1	6.1	0.0	57.0	1
1I	111	-1863	-19	43	0	-11	-12	34.6	11.9	3.7	0.0	46.5	1
1J	111	-1863	14	43	0	-11	9	34.6	9.8	3.7	0.0	44.4	1
1K	111	-1863	-19	-72	0	37	-12	34.6	18.6	6.1	0.0	53.2	1
1L	111	-1863	14	-72	0	37	9	34.6	16.5	6.1	0.0	51.1	1
1M	111	1400	-19	43	0	-11	-12	26.0	11.9	3.7	0.0	37.9	1
1N	111	1400	14	43	0	-11	9	26.0	9.8	3.7	0.0	35.8	1
1O	111	1400	-19	-72	0	37	-12	26.0	18.6	6.1	0.0	44.6	1
1P	111	1400	14	-72	0	37	9	26.0	16.5	6.1	0.0	42.5	1
2	111	752	6	-18	0	133	4	14.0	36.9	1.5	0.0	50.9	1
7	111	591	5	-9	0	111	3	11.0	30.5	0.8	0.0	41.5	1
8	111	572	4	-22	0	113	3	10.6	31.4	1.9	0.0	42.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2278	15	14	23	23	14	1.03	1.00	57.8	
1B	-2278	15	14	23	23	14	1.03	1.00	58.3	
1C	-2278	16	14	23	23	14	1.03	1.00	58.1	
1D	-2278	16	14	23	23	14	1.03	1.00	58.6	
1E	1768	15	14	23	23	14	1.00	1.00	47.0	
1F	1768	15	14	23	23	14	1.00	1.00	47.6	
1G	1768	16	14	23	23	14	1.00	1.00	47.3	
1H	1768	16	14	23	23	14	1.00	1.00	47.8	
1I	-1910	19	5	23	23	14	1.03	1.00	45.5	
1J	-1910	19	4	23	23	14	1.03	1.00	44.7	
1K	-1910	18	5	23	23	14	1.03	1.00	45.1	
1L	-1910	18	4	23	23	14	1.03	1.00	44.4	
1M	1400	19	5	23	23	14	1.00	1.00	34.9	
1N	1400	19	4	23	23	14	1.00	1.00	34.2	
1O	1400	18	5	23	23	14	1.00	1.00	34.6	
1P	1400	18	4	23	23	14	1.00	1.00	33.8	
2	752	97	1	23	23	14	1.00	1.00	40.0	
7	591	80	1	23	23	14	1.00	1.00	32.6	
8	572	82	1	23	23	14	1.00	1.00	32.9	

ASTA NUM. 392 NI 196 NF 195 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3593	-29	81	0	62	12	66.8	24.7	6.9	0.0	91.5	1	
1B	0	-3593	15	81	0	62	-7	66.8	21.5	6.9	0.0	88.2	1	
1C	0	-3593	-29	-71	0	-39	12	66.8	18.8	6.1	0.0	85.6	1	
1D	0	-3593	15	-71	0	-39	-7	66.8	15.6	6.1	0.0	82.3	1	
1E	0	3282	-29	81	0	62	12	61.0	24.7	6.9	0.0	85.7	1	
1F	0	3282	15	81	0	62	-7	61.0	21.5	6.9	0.0	82.5	1	
1G	0	3282	-29	-71	0	-39	12	61.0	18.8	6.1	0.0	79.8	1	
1H	0	3282	15	-71	0	-39	-7	61.0	15.6	6.1	0.0	76.6	1	
1I	0	-1917	-15	44	0	32	7	35.6	13.4	3.7	0.0	49.0	1	
1J	0	-1917	1	44	0	32	-2	35.6	10.1	3.7	0.0	45.7	1	
1K	0	-1917	-15	-34	0	-9	7	35.6	7.5	2.9	0.0	43.1	1	
1L	0	-1917	1	-34	0	-9	-2	35.6	4.2	2.9	0.0	39.8	1	
1M	0	1606	-15	44	0	32	7	29.8	13.4	3.7	0.0	43.2	1	
1N	0	1606	1	44	0	32	-2	29.8	10.1	3.7	0.0	39.9	1	
1O	0	1606	-15	-34	0	-9	7	29.8	7.5	2.9	0.0	37.3	1	
1P	0	1606	1	-34	0	-9	-2	29.8	4.2	2.9	0.0	34.0	1	
2	0	1968	-61	-79	0	111	24	36.6	46.5	6.7	0.0	83.1	1	
7	0	1586	-52	-73	0	93	21	29.5	39.3	6.2	0.0	68.8	1	
8	0	1622	-46	-59	0	94	18	30.1	37.5	5.0	0.0	67.7	1	
1A	55	-3570	-29	81	0	16	-5	66.4	7.5	6.9	0.0	73.8	1	
1B	55	-3570	15	81	0	16	1	66.4	4.9	6.9	0.0	71.3	1	

1C	55	-3570	-29	-71	0	2	-5	66.4	4.0	6.1	0.0	70.3	1
1D	55	-3570	15	-71	0	2	1	66.4	1.4	6.1	0.0	67.7	1
1E	55	3305	-29	81	0	16	-5	61.4	7.5	6.9	0.0	68.9	1
1F	55	3305	15	81	0	16	1	61.4	4.9	6.9	0.0	66.3	1
1G	55	3305	-29	-71	0	2	-5	61.4	4.0	6.1	0.0	65.4	1
1H	55	3305	15	-71	0	2	1	61.4	1.4	6.1	0.0	62.8	1
1I	55	-1894	-15	44	0	3	-2	35.2	2.4	3.7	0.0	37.6	1
1J	55	-1894	1	44	0	3	-1	35.2	1.8	3.7	0.0	37.0	1
1K	55	-1894	-15	-34	0	14	-2	35.2	5.3	2.9	0.0	40.5	1
1L	55	-1894	1	-34	0	14	-1	35.2	4.7	2.9	0.0	39.9	1
1M	55	1629	-15	44	0	3	-2	30.3	2.4	3.7	0.0	32.7	1
1N	55	1629	1	44	0	3	-1	30.3	1.8	3.7	0.0	32.1	1
1O	55	1629	-15	-34	0	14	-2	30.3	5.3	2.9	0.0	35.6	1
1P	55	1629	1	-34	0	14	-1	30.3	4.7	2.9	0.0	35.0	1
2	55	1998	-61	-16	0	137	-10	37.1	42.6	2.3	0.0	79.8	1
7	55	1616	-52	-12	0	116	-8	30.0	36.0	2.0	0.0	66.0	1
8	55	1652	-46	-12	0	113	-7	30.7	34.7	1.7	0.0	65.4	1
1A	111	-3547	-29	81	0	-31	-21	65.9	23.5	6.9	0.0	89.5	1
1B	111	-3547	15	81	0	-31	10	65.9	15.1	6.9	0.0	81.1	1
1C	111	-3547	-29	-71	0	43	-21	65.9	26.7	6.1	0.0	92.7	1
1D	111	-3547	15	-71	0	43	10	65.9	18.3	6.1	0.0	84.3	1
1E	111	3329	-29	81	0	-31	-21	61.9	23.5	6.9	0.0	85.4	1
1F	111	3329	15	81	0	-31	10	61.9	15.1	6.9	0.0	77.0	1
1G	111	3329	-29	-71	0	43	-21	61.9	26.7	6.1	0.0	88.6	1
1H	111	3329	15	-71	0	43	10	61.9	18.3	6.1	0.0	80.2	1
1I	111	-1870	-15	44	0	-26	-11	34.8	14.8	3.7	0.0	49.6	1
1J	111	-1870	1	44	0	-26	-0	34.8	6.9	3.7	0.0	41.7	1
1K	111	-1870	-15	-34	0	38	-11	34.8	18.0	2.9	0.0	52.8	1
1L	111	-1870	1	-34	0	38	-0	34.8	10.1	2.9	0.0	44.9	1
1M	111	1653	-15	44	0	-26	-11	30.7	14.8	3.7	0.0	45.6	1
1N	111	1653	1	44	0	-26	-0	30.7	6.9	3.7	0.0	37.6	1
1O	111	1653	-15	-34	0	38	-11	30.7	18.0	2.9	0.0	48.7	1
1P	111	1653	1	-34	0	38	-0	30.7	10.1	2.9	0.0	40.8	1
2	111	2028	-61	47	0	128	-44	37.7	65.8	4.0	0.0	103.5	1
7	111	1646	-52	48	0	106	-37	30.6	55.1	4.1	0.0	85.7	1
8	111	1683	-46	35	0	107	-33	31.3	51.9	3.0	0.0	83.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3593	25	8	23	23	14	1.03	1.00	81.5	
1B	-3593	25	4	23	23	14	1.03	1.00	78.1	
1C	-3593	17	8	23	23	14	1.03	1.00	79.5	
1D	-3593	17	4	23	23	14	1.03	1.00	76.1	
1E	3329	25	8	23	23	14	1.00	1.00	74.5	
1F	3329	25	4	23	23	14	1.00	1.00	71.2	
1G	3329	17	8	23	23	14	1.00	1.00	72.6	
1H	3329	17	4	23	23	14	1.00	1.00	69.2	
1I	-1917	13	4	23	23	14	1.03	1.00	43.3	
1J	-1917	13	2	23	23	14	1.03	1.00	41.2	
1K	-1917	19	4	23	23	14	1.03	1.00	44.9	
1L	-1917	19	2	23	23	14	1.03	1.00	42.8	
1M	1653	13	4	23	23	14	1.00	1.00	37.3	
1N	1653	13	2	23	23	14	1.00	1.00	35.2	
1O	1653	19	4	23	23	14	1.00	1.00	38.9	
1P	1653	19	2	23	23	14	1.00	1.00	36.8	
2	2028	121	18	23	23	14	1.00	1.00	82.0	
7	1646	101	15	23	23	14	1.00	1.00	67.6	
8	1683	102	13	23	23	14	1.00	1.00	67.2	

ASTA NUM. 393 NI 195 NF 194 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-348	-24	10	0	21	11	6.5	14.0	0.9	0.0	20.5	1	
1B	0	-348	31	10	0	21	-17	6.5	18.2	1.2	0.0	24.7	1	
1C	0	-348	-24	-33	0	-9	11	6.5	10.9	2.8	0.0	17.4	1	
1D	0	-348	31	-33	0	-9	-17	6.5	15.1	2.8	0.0	21.6	1	
1E	0	429	-24	10	0	21	11	8.0	14.0	0.9	0.0	22.0	1	
1F	0	429	31	10	0	21	-17	8.0	18.2	1.2	0.0	26.1	1	
1G	0	429	-24	-33	0	-9	11	8.0	10.9	2.8	0.0	18.9	1	
1H	0	429	31	-33	0	-9	-17	8.0	15.1	2.8	0.0	23.1	1	
1I	0	-658	-18	17	0	28	12	12.2	16.1	1.4	0.0	28.3	1	
1J	0	-658	26	17	0	28	-18	12.2	20.3	1.4	0.0	32.5	1	
1K	0	-658	-18	-40	0	-16	12	12.2	13.0	3.4	0.0	25.3	1	
1L	0	-658	26	-40	0	-16	-18	12.2	17.2	3.4	0.0	29.4	1	
1M	0	738	-18	17	0	28	12	13.7	16.1	1.4	0.0	29.8	1	
1N	0	738	26	17	0	28	-18	13.7	20.3	1.4	0.0	34.0	1	
1O	0	738	-18	-40	0	-16	12	13.7	13.0	3.4	0.0	26.7	1	
1P	0	738	26	-40	0	-16	-18	13.7	17.2	3.4	0.0	30.9	1	
2	0	3047	34	-78	0	131	-23	56.6	50.9	6.6	0.0	107.5	1	
7	0	2561	27	-73	0	109	-19	47.6	41.9	6.2	0.0	89.5	1	
8	0	2442	27	-59	0	109	-18	45.4	41.4	5.0	0.0	86.8	1	
1A	55	-325	-24	10	0	8	-2	6.0	3.5	0.9	0.0	9.5	1	
1B	55	-325	31	10	0	8	0	6.0	2.4	1.2	0.0	8.5	1	
1C	55	-325	-24	-33	0	17	-2	6.0	5.7	2.8	0.0	11.7	1	

1D	55	-325	31	-33	0	17	0	6.0	4.6	2.8	0.0	10.9	3
1E	55	452	-24	10	0	8	-2	8.4	3.5	0.9	0.0	11.9	1
1F	55	452	31	10	0	8	0	8.4	2.4	1.2	0.0	10.8	1
1G	55	452	-24	-33	0	17	-2	8.4	5.7	2.8	0.0	14.1	1
1H	55	452	31	-33	0	17	0	8.4	4.6	2.8	0.0	13.1	3
1I	55	-634	-18	17	0	47	1	11.8	13.1	1.4	0.0	24.9	1
1J	55	-634	26	17	0	47	-3	11.8	14.2	1.4	0.0	26.0	1
1K	55	-634	-18	-40	0	-23	1	11.8	6.8	3.4	0.0	18.5	1
1L	55	-634	26	-40	0	-23	-3	11.8	7.8	3.4	0.0	19.6	1
1M	55	761	-18	17	0	47	1	14.2	13.1	1.4	0.0	27.2	1
1N	55	761	26	17	0	47	-3	14.2	14.2	1.4	0.0	28.3	1
1O	55	761	-18	-40	0	-23	1	14.2	6.8	3.4	0.0	20.9	1
1P	55	761	26	-40	0	-23	-3	14.2	7.8	3.4	0.0	22.0	1
2	55	3077	34	-14	0	156	-4	57.2	43.3	1.3	0.0	100.5	1
7	55	2592	27	-12	0	132	-3	48.2	36.6	1.0	0.0	84.8	1
8	55	2472	27	-12	0	128	-3	46.0	35.2	1.0	0.0	81.1	1
1A	111	-302	-24	10	0	-5	-15	5.6	12.7	0.9	0.0	18.3	1
1B	111	-302	31	10	0	-5	18	5.6	14.7	1.2	0.0	20.3	1
1C	111	-302	-24	-33	0	42	-15	5.6	22.3	2.8	0.0	27.9	1
1D	111	-302	31	-33	0	42	18	5.6	24.3	2.8	0.0	29.9	1
1E	111	475	-24	10	0	-5	-15	8.8	12.7	0.9	0.0	21.5	1
1F	111	475	31	10	0	-5	18	8.8	14.7	1.2	0.0	23.5	1
1G	111	475	-24	-33	0	42	-15	8.8	22.3	2.8	0.0	31.1	1
1H	111	475	31	-33	0	42	18	8.8	24.3	2.8	0.0	33.1	1
1I	111	-611	-18	17	0	66	-9	11.4	24.2	1.4	0.0	35.5	1
1J	111	-611	26	17	0	66	12	11.4	26.2	1.4	0.0	37.5	1
1K	111	-611	-18	-40	0	-29	-9	11.4	14.6	3.4	0.0	25.9	1
1L	111	-611	26	-40	0	-29	12	11.4	16.6	3.4	0.0	28.0	1
1M	111	785	-18	17	0	66	-9	14.6	24.2	1.4	0.0	38.7	1
1N	111	785	26	17	0	66	12	14.6	26.2	1.4	0.0	40.8	1
1O	111	785	-18	-40	0	-29	-9	14.6	14.6	3.4	0.0	29.2	1
1P	111	785	26	-40	0	-29	12	14.6	16.6	3.4	0.0	31.2	1
2	111	3107	34	49	0	147	15	57.8	48.9	4.1	0.0	106.6	1
7	111	2622	27	48	0	122	12	48.7	40.3	4.1	0.0	89.0	1
8	111	2503	27	35	0	122	12	46.5	40.5	3.0	0.0	87.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-348	11	6	23	23	14	1.03	1.00	14.0	
1B	-348	11	7	23	23	14	1.03	1.00	14.8	
1C	-348	22	6	23	23	14	1.03	1.00	16.8	
1D	-348	22	7	23	23	14	1.03	1.00	17.6	
1E	475	11	6	23	23	14	1.00	1.00	16.1	
1F	475	11	7	23	23	14	1.00	1.00	16.9	
1G	475	22	6	23	23	14	1.00	1.00	19.0	
1H	475	22	7	23	23	14	1.00	1.00	19.8	
1I	-658	51	5	23	23	14	1.03	1.00	29.3	
1J	-658	51	7	23	23	14	1.03	1.00	31.0	
1K	-658	24	5	23	23	14	1.03	1.00	22.3	
1L	-658	24	7	23	23	14	1.03	1.00	24.0	
1M	785	51	5	23	23	14	1.00	1.00	31.3	
1N	785	51	7	23	23	14	1.00	1.00	33.0	
1O	785	24	5	23	23	14	1.00	1.00	24.3	
1P	785	24	7	23	23	14	1.00	1.00	26.0	
2	3107	140	9	23	23	14	1.00	1.00	100.8	
7	2622	117	7	23	23	14	1.00	1.00	84.4	
8	2503	117	7	23	23	14	1.00	1.00	81.9	

ASTA NUM. 394 NI 194 NF 193 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1872	-49	91	0	55	48	34.8	50.0	7.8	0.0	84.7	1	
1B	0	-1872	33	91	0	55	-38	34.8	42.8	7.8	0.0	77.6	1	
1C	0	-1872	-49	-73	0	-16	48	34.8	40.1	6.2	0.0	74.9	1	
1D	0	-1872	33	-73	0	-16	-38	34.8	32.9	6.2	0.0	67.7	1	
1E	0	1931	-49	91	0	55	48	35.9	50.0	7.8	0.0	85.9	1	
1F	0	1931	33	91	0	55	-38	35.9	42.8	7.8	0.0	78.7	1	
1G	0	1931	-49	-73	0	-16	48	35.9	40.1	6.2	0.0	76.0	1	
1H	0	1931	33	-73	0	-16	-38	35.9	32.9	6.2	0.0	68.8	1	
1I	0	-1267	-42	78	0	68	40	23.6	47.5	6.6	0.0	71.0	1	
1J	0	-1267	26	78	0	68	-31	23.6	40.4	6.6	0.0	63.9	1	
1K	0	-1267	-42	-60	0	-29	40	23.6	37.6	5.1	0.0	61.1	1	
1L	0	-1267	26	-60	0	-29	-31	23.6	30.5	5.1	0.0	54.0	1	
1M	0	1327	-42	78	0	68	40	24.7	47.5	6.6	0.0	72.1	1	
1N	0	1327	26	78	0	68	-31	24.7	40.4	6.6	0.0	65.0	1	
1O	0	1327	-42	-60	0	-29	40	24.7	37.6	5.1	0.0	62.2	1	
1P	0	1327	26	-60	0	-29	-31	24.7	30.5	5.1	0.0	55.1	1	
2	0	1780	-62	20	0	170	40	33.1	73.7	2.3	0.0	106.8	1	
7	0	1480	-51	10	0	142	35	27.5	63.0	1.9	0.0	90.5	1	
8	0	1422	-47	23	0	141	30	26.4	58.6	2.0	0.0	85.0	1	
1A	55	-1848	-49	91	0	-9	20	34.4	17.1	7.8	0.0	51.4	1	
1B	55	-1848	33	91	0	-9	-19	34.4	16.8	7.8	0.0	51.2	1	
1C	55	-1848	-49	-73	0	37	20	34.4	24.3	6.2	0.0	58.7	1	
1D	55	-1848	33	-73	0	37	-19	34.4	24.0	6.2	0.0	58.4	1	

1E	55	1955	-49	91	0	-9	20	36.3	17.1	7.8	0.0	53.4	1
1F	55	1955	33	91	0	-9	-19	36.3	16.8	7.8	0.0	53.2	1
1G	55	1955	-49	-73	0	37	20	36.3	24.3	6.2	0.0	60.6	1
1H	55	1955	33	-73	0	37	-19	36.3	24.0	6.2	0.0	60.4	1
1I	55	-1244	-42	78	0	94	15	23.1	35.2	6.6	0.0	58.3	1
1J	55	-1244	26	78	0	94	-14	23.1	34.9	6.6	0.0	58.0	1
1K	55	-1244	-42	-60	0	-66	15	23.1	28.0	5.1	0.0	51.1	1
1L	55	-1244	26	-60	0	-66	-14	23.1	27.7	5.1	0.0	50.8	1
1M	55	1350	-42	78	0	94	15	25.1	35.2	6.6	0.0	60.3	1
1N	55	1350	26	78	0	94	-14	25.1	34.9	6.6	0.0	60.0	1
1O	55	1350	-42	-60	0	-66	15	25.1	28.0	5.1	0.0	53.1	1
1P	55	1350	26	-60	0	-66	-14	25.1	27.7	5.1	0.0	52.8	1
2	55	1810	-62	83	0	141	6	33.7	40.9	7.0	0.0	74.6	1
7	55	1510	-51	71	0	120	7	28.1	36.2	6.0	0.0	64.2	1
8	55	1452	-47	70	0	115	4	27.0	32.4	6.0	0.0	59.4	1
1A	111	-1825	-49	91	0	-73	-9	33.9	25.3	7.8	0.0	59.2	1
1B	111	-1825	33	91	0	-73	-0	33.9	19.0	7.8	0.0	52.9	1
1C	111	-1825	-49	-73	0	91	-9	33.9	29.8	6.2	0.0	63.8	1
1D	111	-1825	33	-73	0	91	-0	33.9	23.6	6.2	0.0	57.5	1
1E	111	1978	-49	91	0	-73	-9	36.8	25.3	7.8	0.0	62.1	1
1F	111	1978	33	91	0	-73	-0	36.8	19.0	7.8	0.0	55.8	1
1G	111	1978	-49	-73	0	91	-9	36.8	29.8	6.2	0.0	66.6	1
1H	111	1978	33	-73	0	91	-0	36.8	23.6	6.2	0.0	60.3	1
1I	111	-1220	-42	78	0	120	-11	22.7	38.9	6.6	0.0	61.6	1
1J	111	-1220	26	78	0	120	2	22.7	32.3	6.6	0.0	55.0	1
1K	111	-1220	-42	-60	0	-103	-11	22.7	34.4	5.1	0.0	57.1	1
1L	111	-1220	26	-60	0	-103	2	22.7	27.8	5.1	0.0	50.5	1
1M	111	1374	-42	78	0	120	-11	25.5	38.9	6.6	0.0	64.5	1
1N	111	1374	26	78	0	120	2	25.5	32.3	6.6	0.0	57.9	1
1O	111	1374	-42	-60	0	-103	-11	25.5	34.4	5.1	0.0	59.9	1
1P	111	1374	26	-60	0	-103	2	25.5	27.8	5.1	0.0	53.3	1
2	111	1841	-62	146	0	78	-28	34.2	41.0	12.4	0.0	75.2	1
7	111	1541	-51	131	0	64	-21	28.6	32.3	11.1	0.0	61.0	1
8	111	1483	-47	117	0	63	-22	27.6	32.7	10.0	0.0	60.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1872	29	25	23	23	14	1.03	1.00	62.3	
1B	-1872	29	23	23	23	14	1.03	1.00	60.7	
1C	-1872	48	25	23	23	14	1.03	1.00	67.1	
1D	-1872	48	23	23	23	14	1.03	1.00	65.5	
1E	1978	29	25	23	23	14	1.00	1.00	63.2	
1F	1978	29	23	23	23	14	1.00	1.00	61.6	
1G	1978	48	25	23	23	14	1.00	1.00	68.1	
1H	1978	48	23	23	23	14	1.00	1.00	66.4	
1I	-1267	99	20	23	23	14	1.03	1.00	64.6	
1J	-1267	99	18	23	23	14	1.03	1.00	63.0	
1K	-1267	73	20	23	23	14	1.03	1.00	57.9	
1L	-1267	73	18	23	23	14	1.03	1.00	56.3	
1M	1374	99	20	23	23	14	1.00	1.00	65.9	
1N	1374	99	18	23	23	14	1.00	1.00	64.2	
1O	1374	73	20	23	23	14	1.00	1.00	59.2	
1P	1374	73	18	23	23	14	1.00	1.00	57.6	
2	1841	133	16	23	23	14	1.00	1.00	80.5	
7	1541	111	14	23	23	14	1.00	1.00	67.8	
8	1483	110	12	23	23	14	1.00	1.00	64.7	

ASTA NUM. 395 NI 193 NF 183 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-821	-22	119	0	76	25	15.3	38.4	10.1	0.0	53.7	1	
1B	0	-821	42	119	0	76	-44	15.3	52.8	10.1	0.0	68.0	1	
1C	0	-821	-22	-66	0	-51	25	15.3	32.0	5.6	0.0	47.3	1	
1D	0	-821	42	-66	0	-51	-44	15.3	46.4	5.6	0.0	61.6	1	
1E	0	933	-22	119	0	76	25	17.3	38.4	10.1	0.0	55.8	1	
1F	0	933	42	119	0	76	-44	17.3	52.8	10.1	0.0	70.1	1	
1G	0	933	-22	-66	0	-51	25	17.3	32.0	5.6	0.0	49.4	1	
1H	0	933	42	-66	0	-51	-44	17.3	46.4	5.6	0.0	63.7	1	
1I	0	-1194	-19	217	0	137	19	22.2	49.8	18.4	0.0	72.0	1	
1J	0	-1194	39	217	0	137	-39	22.2	64.1	18.4	0.0	86.3	1	
1K	0	-1194	-19	-165	0	-112	19	22.2	43.4	13.9	0.0	65.6	1	
1L	0	-1194	39	-165	0	-112	-39	22.2	57.7	13.9	0.0	79.9	1	
1M	0	1305	-19	217	0	137	19	24.3	49.8	18.4	0.0	74.1	1	
1N	0	1305	39	217	0	137	-39	24.3	64.1	18.4	0.0	88.4	1	
1O	0	1305	-19	-165	0	-112	19	24.3	43.4	13.9	0.0	67.7	1	
1P	0	1305	39	-165	0	-112	-39	24.3	57.7	13.9	0.0	82.0	1	
2	0	1723	46	232	0	130	-45	32.0	66.8	19.7	0.0	98.9	1	
7	0	1445	36	192	0	109	-34	26.9	53.7	16.2	0.0	80.6	1	
8	0	1397	37	190	0	105	-36	26.0	53.7	16.1	0.0	79.7	1	
1A	55	-798	-22	119	0	-11	12	14.8	12.1	10.1	0.0	26.9	1	
1B	55	-798	42	119	0	-11	-20	14.8	18.0	10.1	0.0	32.8	1	
1C	55	-798	-22	-66	0	7	12	14.8	11.0	5.6	0.0	25.8	1	
1D	55	-798	42	-66	0	7	-20	14.8	16.9	5.6	0.0	31.7	1	
1E	55	956	-22	119	0	-11	12	17.8	12.1	10.1	0.0	29.8	1	

1F	55	956	42	119	0	-11	-20	17.8	18.0	10.1	0.0	35.8	1
1G	55	956	-22	-66	0	7	12	17.8	11.0	5.6	0.0	28.8	1
1H	55	956	42	-66	0	7	-20	17.8	16.9	5.6	0.0	34.7	1
1I	55	-1170	-19	217	0	10	9	21.8	9.3	18.4	0.0	38.7	4
1J	55	-1170	39	217	0	10	-17	21.8	15.2	18.4	0.0	38.8	4
1K	55	-1170	-19	-165	0	-14	9	21.8	10.4	13.9	0.0	33.1	3
1L	55	-1170	39	-165	0	-14	-17	21.8	16.3	13.9	0.0	38.0	1
1M	55	1329	-19	217	0	10	9	24.7	9.3	18.4	0.0	40.5	4
1N	55	1329	39	217	0	10	-17	24.7	15.2	18.4	0.0	40.6	4
1O	55	1329	-19	-165	0	-14	9	24.7	10.4	13.9	0.0	35.4	3
1P	55	1329	39	-165	0	-14	-17	24.7	16.3	13.9	0.0	41.0	1
2	55	1754	46	296	0	-16	-19	32.6	18.5	25.1	0.0	54.6	4
7	55	1476	36	252	0	-14	-15	27.4	14.4	21.4	0.0	46.3	4
8	55	1428	37	237	0	-13	-15	26.5	14.9	20.1	0.0	44.0	4
1A	111	-774	-22	119	0	-98	-0	14.4	25.5	10.1	0.0	40.1	3
1B	111	-774	42	119	0	-98	4	14.4	28.0	10.1	0.0	42.4	1
1C	111	-774	-22	-66	0	65	-0	14.4	16.9	5.6	0.0	31.3	1
1D	111	-774	42	-66	0	65	4	14.4	19.4	5.6	0.0	33.8	1
1E	111	980	-22	119	0	-98	-0	18.2	25.5	10.1	0.0	43.7	1
1F	111	980	42	119	0	-98	4	18.2	28.0	10.1	0.0	46.2	1
1G	111	980	-22	-66	0	65	-0	18.2	16.9	5.6	0.0	35.1	1
1H	111	980	42	-66	0	65	4	18.2	19.4	5.6	0.0	37.6	1
1I	111	-1147	-19	217	0	-116	-2	21.3	31.3	18.4	0.0	55.8	3
1J	111	-1147	39	217	0	-116	5	21.3	33.8	18.4	0.0	55.9	3
1K	111	-1147	-19	-165	0	83	-2	21.3	22.7	13.9	0.0	45.8	3
1L	111	-1147	39	-165	0	83	5	21.3	25.2	13.9	0.0	46.5	1
1M	111	1352	-19	217	0	-116	-2	25.1	31.3	18.4	0.0	59.1	3
1N	111	1352	39	217	0	-116	5	25.1	33.8	18.4	0.0	59.3	3
1O	111	1352	-19	-165	0	83	-2	25.1	22.7	13.9	0.0	49.2	3
1P	111	1352	39	-165	0	83	5	25.1	25.2	13.9	0.0	50.3	1
2	111	1784	46	359	0	-198	7	33.2	55.7	30.4	0.0	91.7	3
7	111	1506	36	313	0	-170	5	28.0	47.7	26.5	0.0	78.6	3
8	111	1458	37	284	0	-158	5	27.1	44.4	24.1	0.0	73.5	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-821	39	15	23	23	14	1.03	1.00	37.0	
1B	-821	39	25	23	23	14	1.03	1.00	44.6	
1C	-821	26	15	23	23	14	1.03	1.00	33.6	
1D	-821	26	25	23	23	14	1.03	1.00	41.2	
1E	980	39	15	23	23	14	1.00	1.00	39.5	
1F	980	39	25	23	23	14	1.00	1.00	47.1	
1G	980	26	15	23	23	14	1.00	1.00	36.0	
1H	980	26	25	23	23	14	1.00	1.00	43.6	
1I	-1194	55	11	23	23	14	1.03	1.00	45.2	
1J	-1194	55	21	23	23	14	1.03	1.00	52.8	
1K	-1194	45	11	23	23	14	1.03	1.00	42.6	
1L	-1194	45	21	23	23	14	1.03	1.00	50.2	
1M	1352	55	11	23	23	14	1.00	1.00	47.4	
1N	1352	55	21	23	23	14	1.00	1.00	55.0	
1O	1352	45	11	23	23	14	1.00	1.00	44.9	
1P	1352	45	21	23	23	14	1.00	1.00	52.5	
2	1784	79	24	23	23	14	1.00	1.00	71.6	
7	1506	68	18	23	23	14	1.00	1.00	59.3	
8	1458	63	19	23	23	14	1.00	1.00	57.9	

ASTA NUM. 396 NI 332 NF 331 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14737	-11	209	0	342	23	273.9	105.3	17.7	0.0	379.2	1	
1B	0	-14737	13	209	0	342	-22	273.9	104.4	17.7	0.0	378.3	1	
1C	0	-14737	-11	-151	0	-263	23	273.9	85.0	12.8	0.0	358.9	1	
1D	0	-14737	13	-151	0	-263	-22	273.9	84.0	12.8	0.0	357.9	1	
1E	0	10333	-11	209	0	342	23	192.1	105.3	17.7	0.0	297.4	1	
1F	0	10333	13	209	0	342	-22	192.1	104.4	17.7	0.0	296.4	1	
1G	0	10333	-11	-151	0	-263	23	192.1	85.0	12.8	0.0	277.0	1	
1H	0	10333	13	-151	0	-263	-22	192.1	84.0	12.8	0.0	276.1	1	
1I	0	-32571	-7	185	0	790	11	605.4	211.6	15.7	0.0	817.0	1	
1J	0	-32571	8	185	0	790	-10	605.4	210.6	15.7	0.0	816.0	1	
1K	0	-32571	-7	-127	0	-711	11	605.4	191.2	10.7	0.0	796.6	1	
1L	0	-32571	8	-127	0	-711	-10	605.4	190.3	10.7	0.0	795.7	1	
1M	0	28167	-7	185	0	790	11	523.5	211.6	15.7	0.0	735.1	1	
1N	0	28167	8	185	0	790	-10	523.5	210.6	15.7	0.0	734.2	1	
1O	0	28167	-7	-127	0	-711	11	523.5	191.2	10.7	0.0	714.8	1	
1P	0	28167	8	-127	0	-711	-10	523.5	190.3	10.7	0.0	713.8	1	
2	0	8704	6	-94	0	-205	5	161.8	56.9	8.0	0.0	218.6	1	
7	0	8681	6	-94	0	-205	5	161.4	56.8	8.0	0.0	218.1	1	
8	0	5310	5	-55	0	-130	4	98.7	36.5	4.7	0.0	135.2	1	
1A	55	-14714	-11	209	0	349	29	273.5	111.8	17.7	0.0	385.2	1	
1B	55	-14714	13	209	0	349	-27	273.5	110.0	17.7	0.0	383.5	1	
1C	55	-14714	-11	-151	0	-303	29	273.5	99.8	12.8	0.0	373.3	1	
1D	55	-14714	13	-151	0	-303	-27	273.5	98.0	12.8	0.0	371.5	1	
1E	55	10356	-11	209	0	349	29	192.5	111.8	17.7	0.0	304.3	1	
1F	55	10356	13	209	0	349	-27	192.5	110.0	17.7	0.0	302.5	1	

1G	55	10356	-11	-151	0	-303	29	192.5	99.8	12.8	0.0	292.3	1
1H	55	10356	13	-151	0	-303	-27	192.5	98.0	12.8	0.0	290.5	1
1I	55	-32547	-7	185	0	724	13	605.0	196.5	15.7	0.0	801.5	1
1J	55	-32547	8	185	0	724	-11	605.0	194.8	15.7	0.0	799.7	1
1K	55	-32547	-7	-127	0	-678	13	605.0	184.5	10.7	0.0	789.5	1
1L	55	-32547	8	-127	0	-678	-11	605.0	182.8	10.7	0.0	787.7	1
1M	55	28190	-7	185	0	724	13	524.0	196.5	15.7	0.0	720.5	1
1N	55	28190	8	185	0	724	-11	524.0	194.8	15.7	0.0	718.7	1
1O	55	28190	-7	-127	0	-678	13	524.0	184.5	10.7	0.0	708.5	1
1P	55	28190	8	-127	0	-678	-11	524.0	182.8	10.7	0.0	706.8	1
2	55	8734	6	-94	0	-153	9	162.3	46.1	8.0	0.0	208.4	1
7	55	8711	6	-94	0	-153	9	161.9	45.9	8.0	0.0	207.9	1
8	55	5340	5	-55	0	-100	7	99.3	30.7	4.7	0.0	130.0	1
1A	111	-14690	-11	209	0	357	35	273.0	118.2	17.7	0.0	391.3	1
1B	111	-14690	13	209	0	357	-32	273.0	115.7	17.7	0.0	388.7	1
1C	111	-14690	-11	-151	0	-343	35	273.0	114.6	12.8	0.0	387.6	1
1D	111	-14690	13	-151	0	-343	-32	273.0	112.0	12.8	0.0	385.1	1
1E	111	10380	-11	209	0	357	35	192.9	118.2	17.7	0.0	311.1	1
1F	111	10380	13	209	0	357	-32	192.9	115.7	17.7	0.0	308.6	1
1G	111	10380	-11	-151	0	-343	35	192.9	114.6	12.8	0.0	307.5	1
1H	111	10380	13	-151	0	-343	-32	192.9	112.0	12.8	0.0	305.0	1
1I	111	-32524	-7	185	0	659	16	604.5	181.5	15.7	0.0	786.0	1
1J	111	-32524	8	185	0	659	-12	604.5	178.9	15.7	0.0	783.4	1
1K	111	-32524	-7	-127	0	-645	16	604.5	177.8	10.7	0.0	782.4	1
1L	111	-32524	8	-127	0	-645	-12	604.5	175.3	10.7	0.0	779.8	1
1M	111	28214	-7	185	0	659	16	524.4	181.5	15.7	0.0	705.9	1
1N	111	28214	8	185	0	659	-12	524.4	178.9	15.7	0.0	703.3	1
1O	111	28214	-7	-127	0	-645	16	524.4	177.8	10.7	0.0	702.3	1
1P	111	28214	8	-127	0	-645	-12	524.4	175.3	10.7	0.0	699.7	1
2	111	8764	6	-94	0	-101	12	162.9	35.3	8.0	0.0	198.2	1
7	111	8741	6	-94	0	-101	12	162.5	35.1	8.0	0.0	197.6	1
8	111	5371	5	-55	0	-69	9	99.8	24.9	4.7	0.0	124.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14737	351	30	23	23	14	1.03	1.00	395.6	
1B	-14737	351	28	23	23	14	1.03	1.00	393.7	
1C	-14737	311	30	23	23	14	1.03	1.00	385.3	
1D	-14737	311	28	23	23	14	1.03	1.00	383.3	
1E	10380	351	30	23	23	14	1.00	1.00	306.0	
1F	10380	351	28	23	23	14	1.00	1.00	304.1	
1G	10380	311	30	23	23	14	1.00	1.00	295.7	
1H	10380	311	28	23	23	14	1.00	1.00	293.8	
1I	-32571	738	14	23	23	14	1.03	1.00	825.1	
1J	-32571	738	11	23	23	14	1.03	1.00	823.1	
1K	-32571	684	14	23	23	14	1.03	1.00	811.3	
1L	-32571	684	11	23	23	14	1.03	1.00	809.4	
1M	28214	738	14	23	23	14	1.00	1.00	724.7	
1N	28214	738	11	23	23	14	1.00	1.00	722.7	
1O	28214	684	14	23	23	14	1.00	1.00	711.0	
1P	28214	684	11	23	23	14	1.00	1.00	709.1	
2	8764	164	10	23	23	14	1.00	1.00	212.2	
7	8741	163	10	23	23	14	1.00	1.00	211.6	
8	5371	106	7	23	23	14	1.00	1.00	132.5	

ASTA NUM. 397 NI 331 NF 330 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10982	-7	156	0	399	37	204.1	130.4	13.2	0.0	334.5	1	
1B	0	-10982	9	156	0	399	-33	204.1	127.7	13.2	0.0	331.8	1	
1C	0	-10982	-7	-227	0	-388	37	204.1	127.6	19.3	0.0	331.8	1	
1D	0	-10982	9	-227	0	-388	-33	204.1	124.9	19.3	0.0	329.0	1	
1E	0	6430	-7	156	0	399	37	119.5	130.4	13.2	0.0	249.9	1	
1F	0	6430	9	156	0	399	-33	119.5	127.7	13.2	0.0	247.2	1	
1G	0	6430	-7	-227	0	-388	37	119.5	127.6	19.3	0.0	247.1	1	
1H	0	6430	9	-227	0	-388	-33	119.5	124.9	19.3	0.0	244.4	1	
1I	0	-23661	-9	243	0	807	16	439.8	219.8	20.6	0.0	659.6	1	
1J	0	-23661	12	243	0	807	-12	439.8	217.1	20.6	0.0	656.9	1	
1K	0	-23661	-9	-315	0	-796	16	439.8	217.0	26.7	0.0	656.8	1	
1L	0	-23661	12	-315	0	-796	-12	439.8	214.3	26.7	0.0	654.1	1	
1M	0	19109	-9	243	0	807	16	355.2	219.8	20.6	0.0	575.0	1	
1N	0	19109	12	243	0	807	-12	355.2	217.1	20.6	0.0	572.2	1	
1O	0	19109	-9	-315	0	-796	16	355.2	217.0	26.7	0.0	572.2	1	
1P	0	19109	12	-315	0	-796	-12	355.2	214.3	26.7	0.0	569.5	1	
2	0	2425	5	-206	0	-212	9	45.1	61.6	17.5	0.0	106.7	1	
7	0	2389	5	-207	0	-212	9	44.4	61.6	17.5	0.0	106.0	1	
8	0	865	4	-159	0	-148	7	16.1	43.6	13.4	0.0	59.7	1	
1A	55	-10958	-7	156	0	319	41	203.7	112.5	13.2	0.0	316.2	1	
1B	55	-10958	9	156	0	319	-36	203.7	108.8	13.2	0.0	312.5	1	
1C	55	-10958	-7	-227	0	-269	41	203.7	99.6	19.3	0.0	303.3	1	
1D	55	-10958	9	-227	0	-269	-36	203.7	95.8	19.3	0.0	299.5	1	
1E	55	6454	-7	156	0	319	41	120.0	112.5	13.2	0.0	232.5	1	
1F	55	6454	9	156	0	319	-36	120.0	108.8	13.2	0.0	228.7	1	
1G	55	6454	-7	-227	0	-269	41	120.0	99.6	19.3	0.0	219.5	1	

1H	55	6454	9	-227	0	-269	-36	120.0	95.8	19.3	0.0	215.8	1
1I	55	-23638	-9	243	0	675	20	439.4	188.8	20.6	0.0	628.1	1
1J	55	-23638	12	243	0	675	-15	439.4	185.0	20.6	0.0	624.4	1
1K	55	-23638	-9	-315	0	-624	20	439.4	175.8	26.7	0.0	615.2	1
1L	55	-23638	12	-315	0	-624	-15	439.4	172.1	26.7	0.0	611.4	1
1M	55	19133	-9	243	0	675	20	355.6	188.8	20.6	0.0	544.4	1
1N	55	19133	12	243	0	675	-15	355.6	185.0	20.6	0.0	540.6	1
1O	55	19133	-9	-315	0	-624	20	355.6	175.8	26.7	0.0	531.4	1
1P	55	19133	12	-315	0	-624	-15	355.6	172.1	26.7	0.0	527.7	1
2	55	2456	5	-206	0	-98	12	45.6	34.5	17.5	0.0	80.1	1
7	55	2420	5	-207	0	-98	12	45.0	34.3	17.5	0.0	79.3	1
8	55	895	4	-159	0	-61	10	16.6	22.8	13.4	0.0	39.5	1
1A	111	-10935	-7	156	0	239	44	203.3	94.7	13.2	0.0	297.9	1
1B	111	-10935	9	156	0	239	-38	203.3	89.9	13.2	0.0	293.1	1
1C	111	-10935	-7	-227	0	-149	44	203.3	71.5	19.3	0.0	274.8	1
1D	111	-10935	9	-227	0	-149	-38	203.3	66.7	19.3	0.0	270.0	1
1E	111	6477	-7	156	0	239	44	120.4	94.7	13.2	0.0	215.1	1
1F	111	6477	9	156	0	239	-38	120.4	89.9	13.2	0.0	210.3	1
1G	111	6477	-7	-227	0	-149	44	120.4	71.5	19.3	0.0	191.9	1
1H	111	6477	9	-227	0	-149	-38	120.4	66.7	19.3	0.0	187.1	1
1I	111	-23614	-9	243	0	542	24	438.9	157.8	20.6	0.0	596.7	1
1J	111	-23614	12	243	0	542	-18	438.9	153.0	20.6	0.0	591.9	1
1K	111	-23614	-9	-315	0	-452	24	438.9	134.6	26.7	0.0	573.6	1
1L	111	-23614	12	-315	0	-452	-18	438.9	129.8	26.7	0.0	568.7	1
1M	111	19156	-9	243	0	542	24	356.1	157.8	20.6	0.0	513.9	1
1N	111	19156	12	243	0	542	-18	356.1	153.0	20.6	0.0	509.1	1
1O	111	19156	-9	-315	0	-452	24	356.1	134.6	26.7	0.0	490.7	1
1P	111	19156	12	-315	0	-452	-18	356.1	129.8	26.7	0.0	485.9	1
2	111	2486	5	-206	0	16	15	46.2	15.4	17.5	0.0	61.6	1
7	111	2450	5	-207	0	16	15	45.5	15.5	17.5	0.0	61.1	1
8	111	926	4	-159	0	27	12	17.2	16.1	13.4	0.0	33.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10982	335	41	23	23	14	1.03	1.00	327.8	
1B	-10982	335	36	23	23	14	1.03	1.00	323.8	
1C	-10982	293	41	23	23	14	1.03	1.00	316.8	
1D	-10982	293	36	23	23	14	1.03	1.00	312.8	
1E	6477	335	41	23	23	14	1.00	1.00	237.6	
1F	6477	335	36	23	23	14	1.00	1.00	233.6	
1G	6477	293	41	23	23	14	1.00	1.00	226.6	
1H	6477	293	36	23	23	14	1.00	1.00	222.7	
1I	-23661	701	21	23	23	14	1.03	1.00	650.2	
1J	-23661	701	16	23	23	14	1.03	1.00	646.1	
1K	-23661	659	21	23	23	14	1.03	1.00	639.2	
1L	-23661	659	16	23	23	14	1.03	1.00	635.2	
1M	19156	701	21	23	23	14	1.00	1.00	552.3	
1N	19156	701	16	23	23	14	1.00	1.00	548.3	
1O	19156	659	21	23	23	14	1.00	1.00	541.4	
1P	19156	659	16	23	23	14	1.00	1.00	537.4	
2	2486	121	13	23	23	14	1.00	1.00	87.0	
7	2450	121	13	23	23	14	1.00	1.00	86.2	
8	926	78	10	23	23	14	1.00	1.00	44.9	

ASTA NUM. 398 NI 330 NF 329 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10676	-7	175	0	297	51	198.4	114.4	14.9	0.0	312.8	1	
1B	0	-10676	10	175	0	297	-44	198.4	109.2	14.9	0.0	307.7	1	
1C	0	-10676	-7	-127	0	-211	51	198.4	92.3	10.8	0.0	290.7	1	
1D	0	-10676	10	-127	0	-211	-44	198.4	87.1	10.8	0.0	285.5	1	
1E	0	6204	-7	175	0	297	51	115.3	114.4	14.9	0.0	229.7	1	
1F	0	6204	10	175	0	297	-44	115.3	109.2	14.9	0.0	224.5	1	
1G	0	6204	-7	-127	0	-211	51	115.3	92.3	10.8	0.0	207.6	1	
1H	0	6204	10	-127	0	-211	-44	115.3	87.1	10.8	0.0	202.4	1	
1I	0	-23014	-11	278	0	689	27	427.8	197.4	23.6	0.0	625.1	1	
1J	0	-23014	13	278	0	689	-20	427.8	192.2	23.6	0.0	620.0	1	
1K	0	-23014	-11	-230	0	-603	27	427.8	175.2	19.5	0.0	603.0	1	
1L	0	-23014	13	-230	0	-603	-20	427.8	170.1	19.5	0.0	597.8	1	
1M	0	18542	-11	278	0	689	27	344.6	197.4	23.6	0.0	542.0	1	
1N	0	18542	13	278	0	689	-20	344.6	192.2	23.6	0.0	536.8	1	
1O	0	18542	-11	-230	0	-603	27	344.6	175.2	19.5	0.0	519.9	1	
1P	0	18542	13	-230	0	-603	-20	344.6	170.1	19.5	0.0	514.7	1	
2	0	2138	3	-84	0	-72	14	39.7	28.9	7.1	0.0	68.7	1	
7	0	2101	3	-84	0	-71	14	39.1	28.6	7.1	0.0	67.7	1	
8	0	678	3	-50	0	-35	11	12.6	17.5	4.3	0.0	30.1	1	
1A	55	-10652	-7	175	0	262	51	198.0	105.9	14.9	0.0	303.9	1	
1B	55	-10652	10	175	0	262	-43	198.0	99.7	14.9	0.0	297.7	1	
1C	55	-10652	-7	-127	0	-202	51	198.0	90.6	10.8	0.0	288.6	1	
1D	55	-10652	10	-127	0	-202	-43	198.0	84.4	10.8	0.0	282.4	1	
1E	55	6228	-7	175	0	262	51	115.8	105.9	14.9	0.0	221.6	1	
1F	55	6228	10	175	0	262	-43	115.8	99.7	14.9	0.0	215.5	1	
1G	55	6228	-7	-127	0	-202	51	115.8	90.6	10.8	0.0	206.3	1	
1H	55	6228	10	-127	0	-202	-43	115.8	84.4	10.8	0.0	200.2	1	

1I	55	-22990	-11	278	0	554	32	427.3	166.6	23.6	0.0	593.9	1
1J	55	-22990	13	278	0	554	-24	427.3	160.5	23.6	0.0	587.8	1
1K	55	-22990	-11	-230	0	-494	32	427.3	151.3	19.5	0.0	578.6	1
1L	55	-22990	13	-230	0	-494	-24	427.3	145.2	19.5	0.0	572.5	1
1M	55	18565	-11	278	0	554	32	345.1	166.6	23.6	0.0	511.7	1
1N	55	18565	13	278	0	554	-24	345.1	160.5	23.6	0.0	505.6	1
1O	55	18565	-11	-230	0	-494	32	345.1	151.3	19.5	0.0	496.4	1
1P	55	18565	13	-230	0	-494	-24	345.1	145.2	19.5	0.0	490.3	1
2	55	2168	3	-84	0	-25	16	40.3	18.2	7.1	0.0	58.5	1
7	55	2132	3	-84	0	-25	15	39.6	17.9	7.1	0.0	57.5	1
8	55	709	3	-50	0	-7	13	13.2	11.4	4.3	0.0	24.6	1
1A	111	-10629	-7	175	0	226	52	197.6	97.3	14.9	0.0	294.9	1
1B	111	-10629	10	175	0	226	-43	197.6	90.2	14.9	0.0	287.8	1
1C	111	-10629	-7	-127	0	-194	52	197.6	88.9	10.8	0.0	286.4	1
1D	111	-10629	10	-127	0	-194	-43	197.6	81.8	10.8	0.0	279.3	1
1E	111	6251	-7	175	0	226	52	116.2	97.3	14.9	0.0	213.5	1
1F	111	6251	10	175	0	226	-43	116.2	90.2	14.9	0.0	206.4	1
1G	111	6251	-7	-127	0	-194	52	116.2	88.9	10.8	0.0	205.1	1
1H	111	6251	10	-127	0	-194	-43	116.2	81.8	10.8	0.0	198.0	1
1I	111	-22966	-11	278	0	418	38	426.9	135.9	23.6	0.0	562.7	1
1J	111	-22966	13	278	0	418	-28	426.9	128.8	23.6	0.0	555.7	1
1K	111	-22966	-11	-230	0	-385	38	426.9	127.4	19.5	0.0	554.3	1
1L	111	-22966	13	-230	0	-385	-28	426.9	120.3	19.5	0.0	547.2	1
1M	111	18588	-11	278	0	418	38	345.5	135.9	23.6	0.0	481.4	1
1N	111	18588	13	278	0	418	-28	345.5	128.8	23.6	0.0	474.3	1
1O	111	18588	-11	-230	0	-385	38	345.5	127.4	19.5	0.0	472.9	1
1P	111	18588	13	-230	0	-385	-28	345.5	120.3	19.5	0.0	465.8	1
2	111	2199	3	-84	0	21	17	40.9	18.4	7.1	0.0	59.3	1
7	111	2162	3	-84	0	22	17	40.2	18.4	7.1	0.0	58.6	1
8	111	739	3	-50	0	20	14	13.7	15.9	4.3	0.0	29.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10676	269	52	23	23	14	1.03	1.00	312.5	
1B	-10676	269	43	23	23	14	1.03	1.00	306.3	
1C	-10676	204	52	23	23	14	1.03	1.00	295.8	
1D	-10676	204	43	23	23	14	1.03	1.00	289.6	
1E	6251	269	52	23	23	14	1.00	1.00	224.0	
1F	6251	269	43	23	23	14	1.00	1.00	217.8	
1G	6251	204	52	23	23	14	1.00	1.00	207.3	
1H	6251	204	43	23	23	14	1.00	1.00	201.2	
1I	-23014	581	33	23	23	14	1.03	1.00	615.9	
1J	-23014	581	25	23	23	14	1.03	1.00	609.5	
1K	-23014	516	33	23	23	14	1.03	1.00	599.2	
1L	-23014	516	25	23	23	14	1.03	1.00	592.8	
1M	18588	581	33	23	23	14	1.00	1.00	519.9	
1N	18588	581	25	23	23	14	1.00	1.00	513.6	
1O	18588	516	33	23	23	14	1.00	1.00	503.3	
1P	18588	516	25	23	23	14	1.00	1.00	497.0	
2	2199	35	16	23	23	14	1.00	1.00	61.7	
7	2162	34	16	23	23	14	1.00	1.00	60.7	
8	739	14	13	23	23	14	1.00	1.00	27.1	

ASTA NUM. 399 NI 329 NF 328 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7166	-19	113	0	262	72	133.2	121.5	9.6	0.0	254.7	1	
1B	0	-7166	19	113	0	262	-61	133.2	113.0	9.6	0.0	246.2	1	
1C	0	-7166	-19	-174	0	-232	72	133.2	113.9	14.8	0.0	247.1	1	
1D	0	-7166	19	-174	0	-232	-61	133.2	105.4	14.8	0.0	238.6	1	
1E	0	2552	-19	113	0	262	72	47.4	121.5	9.6	0.0	168.9	1	
1F	0	2552	19	113	0	262	-61	47.4	113.0	9.6	0.0	160.5	1	
1G	0	2552	-19	-174	0	-232	72	47.4	113.9	14.8	0.0	161.3	1	
1H	0	2552	19	-174	0	-232	-61	47.4	105.4	14.8	0.0	152.8	1	
1I	0	-14794	-7	232	0	558	50	275.0	181.1	19.7	0.0	456.0	1	
1J	0	-14794	7	232	0	558	-39	275.0	172.6	19.7	0.0	447.6	1	
1K	0	-14794	-7	-294	0	-528	50	275.0	173.4	24.9	0.0	448.4	1	
1L	0	-14794	7	-294	0	-528	-39	275.0	165.0	24.9	0.0	439.9	1	
1M	0	10180	-7	232	0	558	50	189.2	181.1	19.7	0.0	370.3	1	
1N	0	10180	7	232	0	558	-39	189.2	172.6	19.7	0.0	361.8	1	
1O	0	10180	-7	-294	0	-528	50	189.2	173.4	24.9	0.0	362.7	1	
1P	0	10180	7	-294	0	-528	-39	189.2	165.0	24.9	0.0	354.2	1	
2	0	-1492	-1	-132	0	-45	17	27.7	24.4	11.2	0.0	52.1	1	
7	0	-1542	-1	-132	0	-44	17	28.7	24.0	11.2	0.0	52.7	1	
8	0	-1911	-0	-105	0	-27	15	35.5	17.8	8.9	0.0	53.3	1	
1A	55	-7142	-19	113	0	201	63	132.8	98.5	9.6	0.0	231.3	1	
1B	55	-7142	19	113	0	201	-51	132.8	90.0	9.6	0.0	222.8	1	
1C	55	-7142	-19	-174	0	-137	63	132.8	82.1	14.8	0.0	214.9	1	
1D	55	-7142	19	-174	0	-137	-51	132.8	73.6	14.8	0.0	206.3	1	
1E	55	2576	-19	113	0	201	63	47.9	98.5	9.6	0.0	146.4	1	
1F	55	2576	19	113	0	201	-51	47.9	90.0	9.6	0.0	137.9	1	
1G	55	2576	-19	-174	0	-137	63	47.9	82.1	14.8	0.0	130.0	1	
1H	55	2576	19	-174	0	-137	-51	47.9	73.6	14.8	0.0	121.5	1	
1I	55	-14770	-7	232	0	430	48	274.5	146.3	19.7	0.0	420.8	1	

1J	55	-14770	7	232	0	430	-36	274.5	137.7	19.7	0.0	412.3	1
1K	55	-14770	-7	-294	0	-366	48	274.5	129.8	24.9	0.0	404.4	1
1L	55	-14770	7	-294	0	-366	-36	274.5	121.3	24.9	0.0	395.8	1
1M	55	10203	-7	232	0	430	48	189.7	146.3	19.7	0.0	335.9	1
1N	55	10203	7	232	0	430	-36	189.7	137.7	19.7	0.0	327.4	1
1O	55	10203	-7	-294	0	-366	48	189.7	129.8	24.9	0.0	319.5	1
1P	55	10203	7	-294	0	-366	-36	189.7	121.3	24.9	0.0	311.0	1
2	55	-1462	-1	-132	0	28	17	27.2	19.9	11.2	0.0	47.1	1
7	55	-1512	-1	-132	0	29	17	28.1	19.9	11.2	0.0	48.0	1
8	55	-1880	-0	-105	0	31	14	35.0	18.8	8.9	0.0	53.8	1
1A	111	-7119	-19	113	0	140	53	132.3	75.6	9.6	0.0	207.9	1
1B	111	-7119	19	113	0	140	-42	132.3	67.0	9.6	0.0	199.3	1
1C	111	-7119	-19	-174	0	-42	53	132.3	50.4	14.8	0.0	182.7	1
1D	111	-7119	19	-174	0	-42	-42	132.3	41.8	14.8	0.0	174.1	1
1E	111	2599	-19	113	0	140	53	48.3	75.6	9.6	0.0	123.9	1
1F	111	2599	19	113	0	140	-42	48.3	67.0	9.6	0.0	115.3	1
1G	111	2599	-19	-174	0	-42	53	48.3	50.4	14.8	0.0	98.7	1
1H	111	2599	19	-174	0	-42	-42	48.3	41.8	14.8	0.0	90.1	1
1I	111	-14747	-7	232	0	301	45	274.1	111.4	19.7	0.0	385.6	1
1J	111	-14747	7	232	0	301	-34	274.1	102.9	19.7	0.0	377.0	1
1K	111	-14747	-7	-294	0	-203	45	274.1	86.2	24.9	0.0	360.3	1
1L	111	-14747	7	-294	0	-203	-34	274.1	77.6	24.9	0.0	351.7	1
1M	111	10227	-7	232	0	301	45	190.1	111.4	19.7	0.0	301.5	1
1N	111	10227	7	232	0	301	-34	190.1	102.9	19.7	0.0	292.9	1
1O	111	10227	-7	-294	0	-203	45	190.1	86.2	24.9	0.0	276.3	1
1P	111	10227	7	-294	0	-203	-34	190.1	77.6	24.9	0.0	267.7	1
2	111	-1432	-1	-132	0	101	17	26.6	38.4	11.2	0.0	65.0	1
7	111	-1481	-1	-132	0	102	16	27.5	38.5	11.2	0.0	66.0	1
8	111	-1850	-0	-105	0	89	14	34.4	33.5	8.9	0.0	67.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7166	213	65	23	23	14	1.03	1.00	240.6	
1B	-7166	213	53	23	23	14	1.03	1.00	232.0	
1C	-7166	156	65	23	23	14	1.03	1.00	225.9	
1D	-7166	156	53	23	23	14	1.03	1.00	217.3	
1E	2599	213	65	23	23	14	1.00	1.00	151.4	
1F	2599	213	53	23	23	14	1.00	1.00	142.9	
1G	2599	156	65	23	23	14	1.00	1.00	136.8	
1H	2599	156	53	23	23	14	1.00	1.00	128.3	
1I	-14794	455	48	23	23	14	1.03	1.00	437.0	
1J	-14794	455	37	23	23	14	1.03	1.00	428.4	
1K	-14794	398	48	23	23	14	1.03	1.00	422.3	
1L	-14794	398	37	23	23	14	1.03	1.00	413.7	
1M	10227	455	48	23	23	14	1.00	1.00	343.3	
1N	10227	455	37	23	23	14	1.00	1.00	334.8	
1O	10227	398	48	23	23	14	1.00	1.00	328.6	
1P	10227	398	37	23	23	14	1.00	1.00	320.1	
2	-1492	43	17	23	23	14	1.03	1.00	52.3	
7	-1542	44	17	23	23	14	1.03	1.00	53.2	
8	-1911	43	14	23	23	14	1.03	1.00	58.4	

ASTA NUM. 400 NI 328 NF 327 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6873	-64	130	0	193	78	127.8	108.2	11.1	0.0	235.9	1	
1B	0	-6873	58	130	0	193	-64	127.8	97.6	11.1	0.0	225.3	1	
1C	0	-6873	-64	-95	0	-99	78	127.8	84.0	8.0	0.0	211.8	1	
1D	0	-6873	58	-95	0	-99	-64	127.8	73.4	8.0	0.0	201.2	1	
1E	0	2339	-64	130	0	193	78	43.5	108.2	11.1	0.0	151.7	1	
1F	0	2339	58	130	0	193	-64	43.5	97.6	11.1	0.0	141.1	1	
1G	0	2339	-64	-95	0	-99	78	43.5	84.0	8.0	0.0	127.5	1	
1H	0	2339	58	-95	0	-99	-64	43.5	73.4	8.0	0.0	116.9	1	
1I	0	-14178	-46	257	0	442	64	263.5	161.5	21.8	0.0	425.0	1	
1J	0	-14178	40	257	0	442	-50	263.5	150.9	21.8	0.0	414.4	1	
1K	0	-14178	-46	-221	0	-348	64	263.5	137.3	18.7	0.0	400.8	1	
1L	0	-14178	40	-221	0	-348	-50	263.5	126.7	18.7	0.0	390.2	1	
1M	0	9644	-46	257	0	442	64	179.2	161.5	21.8	0.0	340.7	1	
1N	0	9644	40	257	0	442	-50	179.2	150.9	21.8	0.0	330.1	1	
1O	0	9644	-46	-221	0	-348	64	179.2	137.3	18.7	0.0	316.6	1	
1P	0	9644	40	-221	0	-348	-50	179.2	126.7	18.7	0.0	306.0	1	
2	0	-1608	-5	-22	0	56	18	29.9	28.2	1.9	0.0	58.1	1	
7	0	-1658	-5	-22	0	57	18	30.8	28.1	1.9	0.0	58.9	1	
8	0	-1978	-5	-9	0	57	16	36.8	26.6	0.8	0.0	63.3	1	
1A	55	-6850	-64	130	0	148	47	127.3	73.6	11.1	0.0	200.9	1	
1B	55	-6850	58	130	0	148	-36	127.3	65.4	11.1	0.0	192.7	1	
1C	55	-6850	-64	-95	0	-74	47	127.3	54.6	8.0	0.0	181.9	1	
1D	55	-6850	58	-95	0	-74	-36	127.3	46.4	8.0	0.0	173.7	1	
1E	55	2362	-64	130	0	148	47	43.9	73.6	11.1	0.0	117.5	1	
1F	55	2362	58	130	0	148	-36	43.9	65.4	11.1	0.0	109.3	1	
1G	55	2362	-64	-95	0	-74	47	43.9	54.6	8.0	0.0	98.5	1	
1H	55	2362	58	-95	0	-74	-36	43.9	46.4	8.0	0.0	90.3	1	
1I	55	-14154	-46	257	0	308	40	263.1	109.2	21.8	0.0	372.3	1	
1J	55	-14154	40	257	0	308	-29	263.1	101.0	21.8	0.0	364.1	1	

1K	55	-14154	-46	-221	0	-234	40	263.1	90.2	18.7	0.0	353.3	1
1L	55	-14154	40	-221	0	-234	-29	263.1	82.0	18.7	0.0	345.1	1
1M	55	9667	-46	257	0	308	40	179.7	109.2	21.8	0.0	288.9	1
1N	55	9667	40	257	0	308	-29	179.7	101.0	21.8	0.0	280.7	1
1O	55	9667	-46	-221	0	-234	40	179.7	90.2	18.7	0.0	269.9	1
1P	55	9667	40	-221	0	-234	-29	179.7	82.0	18.7	0.0	261.7	1
2	55	-1578	-5	-22	0	69	15	29.3	29.1	1.9	0.0	58.4	1
7	55	-1628	-5	-22	0	70	15	30.3	29.2	1.9	0.0	59.4	1
8	55	-1948	-5	-9	0	62	13	36.2	25.7	0.8	0.0	61.9	1
1A	111	-6826	-64	130	0	104	17	126.9	39.0	11.1	0.0	165.9	1
1B	111	-6826	58	130	0	104	-9	126.9	33.3	11.1	0.0	160.1	1
1C	111	-6826	-64	-95	0	-49	17	126.9	25.1	8.0	0.0	152.0	1
1D	111	-6826	58	-95	0	-49	-9	126.9	19.3	8.0	0.0	146.2	1
1E	111	2386	-64	130	0	104	17	44.3	39.0	11.1	0.0	83.4	1
1F	111	2386	58	130	0	104	-9	44.3	33.3	11.1	0.0	77.6	1
1G	111	2386	-64	-95	0	-49	17	44.3	25.1	8.0	0.0	69.4	1
1H	111	2386	58	-95	0	-49	-9	44.3	19.3	8.0	0.0	63.7	1
1I	111	-14130	-46	257	0	174	16	262.6	57.0	21.8	0.0	319.6	1
1J	111	-14130	40	257	0	174	-8	262.6	51.2	21.8	0.0	313.9	1
1K	111	-14130	-46	-221	0	-120	16	262.6	43.0	18.7	0.0	305.7	1
1L	111	-14130	40	-221	0	-120	-8	262.6	37.3	18.7	0.0	299.9	1
1M	111	9690	-46	257	0	174	16	180.1	57.0	21.8	0.0	237.1	1
1N	111	9690	40	257	0	174	-8	180.1	51.2	21.8	0.0	231.3	1
1O	111	9690	-46	-221	0	-120	16	180.1	43.0	18.7	0.0	223.2	1
1P	111	9690	40	-221	0	-120	-8	180.1	37.3	18.7	0.0	217.4	1
2	111	-1547	-5	-22	0	81	12	28.8	30.0	1.9	0.0	58.8	1
7	111	-1597	-5	-22	0	82	12	29.7	30.2	1.9	0.0	59.9	1
8	111	-1917	-5	-9	0	67	10	35.6	24.9	0.8	0.0	60.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6873	157	54	23	23	14	1.03	1.00	212.3	
1B	-6873	157	42	23	23	14	1.03	1.00	203.6	
1C	-6873	79	54	23	23	14	1.03	1.00	192.2	
1D	-6873	79	42	23	23	14	1.03	1.00	183.5	
1E	2386	157	54	23	23	14	1.00	1.00	124.9	
1F	2386	157	42	23	23	14	1.00	1.00	116.2	
1G	2386	79	54	23	23	14	1.00	1.00	104.8	
1H	2386	79	42	23	23	14	1.00	1.00	96.1	
1I	-14178	335	45	23	23	14	1.03	1.00	391.5	
1J	-14178	335	33	23	23	14	1.03	1.00	382.8	
1K	-14178	257	45	23	23	14	1.03	1.00	371.4	
1L	-14178	257	33	23	23	14	1.03	1.00	362.7	
1M	9690	335	45	23	23	14	1.00	1.00	299.8	
1N	9690	335	33	23	23	14	1.00	1.00	291.1	
1O	9690	257	45	23	23	14	1.00	1.00	279.7	
1P	9690	257	33	23	23	14	1.00	1.00	271.1	
2	-1608	71	16	23	23	14	1.03	1.00	61.0	
7	-1658	72	16	23	23	14	1.03	1.00	62.0	
8	-1978	63	14	23	23	14	1.03	1.00	64.3	

ASTA NUM. 401 NI 327 NF 326 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3831	-159	70	0	128	56	71.2	75.1	5.9	0.0	146.3	1	
1B	0	-3831	139	70	0	128	-43	71.2	65.2	5.9	0.0	136.4	1	
1C	0	-3831	-159	-123	0	-77	56	71.2	61.9	10.4	0.0	133.1	1	
1D	0	-3831	139	-123	0	-77	-43	71.2	52.0	10.4	0.0	123.2	1	
1E	0	-767	-159	70	0	128	56	14.3	75.1	5.9	0.0	89.4	1	
1F	0	-767	139	70	0	128	-43	14.3	65.2	5.9	0.0	79.4	1	
1G	0	-767	-159	-123	0	-77	56	14.3	61.9	10.4	0.0	76.2	1	
1H	0	-767	139	-123	0	-77	-43	14.3	52.0	10.4	0.0	66.2	1	
1I	0	-6558	-137	222	0	303	52	121.9	116.5	18.8	0.0	238.4	1	
1J	0	-6558	118	222	0	303	-38	121.9	106.6	18.8	0.0	228.5	1	
1K	0	-6558	-137	-275	0	-252	52	121.9	103.3	23.3	0.0	225.2	1	
1L	0	-6558	118	-275	0	-252	-38	121.9	93.4	23.3	0.0	215.3	1	
1M	0	1960	-137	222	0	303	52	36.4	116.5	18.8	0.0	153.0	1	
1N	0	1960	118	222	0	303	-38	36.4	106.6	18.8	0.0	143.0	1	
1O	0	1960	-137	-275	0	-252	52	36.4	103.3	23.3	0.0	139.8	1	
1P	0	1960	118	-275	0	-252	-38	36.4	93.4	23.3	0.0	129.8	1	
2	0	-2814	-12	-49	0	58	17	52.3	27.4	4.2	0.0	79.7	1	
7	0	-2874	-11	-50	0	59	16	53.4	27.3	4.2	0.0	80.8	1	
8	0	-2856	-13	-45	0	50	15	53.1	23.8	3.9	0.0	76.9	1	
1A	55	-3808	-159	70	0	81	-33	70.8	45.6	5.9	0.0	116.4	1	
1B	55	-3808	139	70	0	81	36	70.8	47.6	5.9	0.0	118.4	1	
1C	55	-3808	-159	-123	0	-1	-33	70.8	24.8	10.4	0.0	95.6	1	
1D	55	-3808	139	-123	0	-1	36	70.8	26.8	10.4	0.0	97.6	1	
1E	55	-743	-159	70	0	81	-33	13.8	45.6	5.9	0.0	59.4	1	
1F	55	-743	139	70	0	81	36	13.8	47.6	5.9	0.0	61.4	1	
1G	55	-743	-159	-123	0	-1	-33	13.8	24.8	10.4	0.0	38.6	1	
1H	55	-743	139	-123	0	-1	36	13.8	26.8	10.4	0.0	40.6	1	
1I	55	-6534	-137	222	0	184	-25	121.5	65.9	18.8	0.0	187.3	1	
1J	55	-6534	118	222	0	184	27	121.5	67.9	18.8	0.0	189.4	1	
1K	55	-6534	-137	-275	0	-103	-25	121.5	45.1	23.3	0.0	166.6	1	

1L	55	-6534	118	-275	0	-103	27	121.5	47.1	23.3	0.0	168.6	1
1M	55	1983	-137	222	0	184	-25	36.9	65.9	18.8	0.0	102.7	1
1N	55	1983	118	222	0	184	27	36.9	67.9	18.8	0.0	104.8	1
1O	55	1983	-137	-275	0	-103	-25	36.9	45.1	23.3	0.0	82.0	1
1P	55	1983	118	-275	0	-103	27	36.9	47.1	23.3	0.0	84.0	1
2	55	-2784	-12	-49	0	85	10	51.7	29.4	4.2	0.0	81.2	1
7	55	-2844	-11	-50	0	87	10	52.9	29.9	4.2	0.0	82.8	1
8	55	-2826	-13	-45	0	75	7	52.5	24.9	3.9	0.0	77.4	1
1A	111	-3784	-159	70	0	34	-122	70.3	100.2	5.9	0.0	170.5	1
1B	111	-3784	139	70	0	34	114	70.3	94.2	5.9	0.0	164.6	1
1C	111	-3784	-159	-123	0	76	-122	70.3	110.8	10.4	0.0	181.2	1
1D	111	-3784	139	-123	0	76	114	70.3	104.9	10.4	0.0	175.2	1
1E	111	-720	-159	70	0	34	-122	13.4	100.2	5.9	0.0	113.5	1
1F	111	-720	139	70	0	34	114	13.4	94.2	5.9	0.0	107.6	1
1G	111	-720	-159	-123	0	76	-122	13.4	110.8	10.4	0.0	124.2	1
1H	111	-720	139	-123	0	76	114	13.4	104.9	10.4	0.0	118.3	1
1I	111	-6511	-137	222	0	65	-101	121.0	92.5	18.8	0.0	213.5	1
1J	111	-6511	118	222	0	65	93	121.0	86.5	18.8	0.0	207.6	1
1K	111	-6511	-137	-275	0	45	-101	121.0	87.2	23.3	0.0	208.2	1
1L	111	-6511	118	-275	0	45	93	121.0	81.2	23.3	0.0	202.2	1
1M	111	2007	-137	222	0	65	-101	37.3	92.5	18.8	0.0	129.8	1
1N	111	2007	118	222	0	65	93	37.3	86.5	18.8	0.0	123.8	1
1O	111	2007	-137	-275	0	45	-101	37.3	87.2	23.3	0.0	124.5	1
1P	111	2007	118	-275	0	45	93	37.3	81.2	23.3	0.0	118.5	1
2	111	-2754	-12	-49	0	112	3	51.2	31.5	4.2	0.0	82.7	1
7	111	-2813	-11	-50	0	114	4	52.3	32.5	4.2	0.0	84.8	1
8	111	-2795	-13	-45	0	100	0	52.0	26.0	3.9	0.0	78.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3831	91	51	23	23	14	1.03	1.00	134.8	
1B	-3831	91	51	23	23	14	1.03	1.00	135.2	
1C	-3831	31	51	23	23	14	1.03	1.00	119.3	
1D	-3831	31	51	23	23	14	1.03	1.00	119.8	
1E	-767	91	51	23	23	14	1.03	1.00	76.0	
1F	-767	91	51	23	23	14	1.03	1.00	76.5	
1G	-767	31	51	23	23	14	1.03	1.00	60.6	
1H	-767	31	51	23	23	14	1.03	1.00	61.0	
1I	-6558	208	40	23	23	14	1.03	1.00	209.4	
1J	-6558	208	41	23	23	14	1.03	1.00	209.6	
1K	-6558	133	40	23	23	14	1.03	1.00	190.2	
1L	-6558	133	41	23	23	14	1.03	1.00	190.3	
1M	2007	208	40	23	23	14	1.00	1.00	121.0	
1N	2007	208	41	23	23	14	1.00	1.00	121.1	
1O	2007	133	40	23	23	14	1.00	1.00	101.8	
1P	2007	133	41	23	23	14	1.00	1.00	101.9	
2	-2814	91	11	23	23	14	1.03	1.00	85.7	
7	-2874	92	11	23	23	14	1.03	1.00	87.3	
8	-2856	80	9	23	23	14	1.03	1.00	82.0	

ASTA NUM. 402 NI 326 NF 325 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3675	-312	40	0	101	90	68.3	93.2	11.7	0.0	161.5	1	
1B	0	-3675	270	40	0	101	-94	68.3	96.2	10.1	0.0	164.5	1	
1C	0	-3675	-312	-346	0	10	90	68.3	69.8	29.4	0.0	138.1	1	
1D	0	-3675	270	-346	0	10	-94	68.3	72.8	29.4	0.0	141.1	1	
1E	0	-813	-312	40	0	101	90	15.1	93.2	11.7	0.0	108.3	1	
1F	0	-813	270	40	0	101	-94	15.1	96.2	10.1	0.0	111.3	1	
1G	0	-813	-312	-346	0	10	90	15.1	69.8	29.4	0.0	84.9	1	
1H	0	-813	270	-346	0	10	-94	15.1	72.8	29.4	0.0	87.9	1	
1I	0	-6036	-289	177	0	182	72	112.2	100.8	15.0	0.0	213.0	1	
1J	0	-6036	247	177	0	182	-76	112.2	103.8	15.0	0.0	216.0	1	
1K	0	-6036	-289	-484	0	-71	72	112.2	72.2	41.1	0.0	184.4	1	
1L	0	-6036	247	-484	0	-71	-76	112.2	75.2	41.1	0.0	187.4	1	
1M	0	1548	-289	177	0	182	72	28.8	100.8	15.0	0.0	129.6	1	
1N	0	1548	247	177	0	182	-76	28.8	103.8	15.0	0.0	132.6	1	
1O	0	1548	-289	-484	0	-71	72	28.8	72.2	41.1	0.0	101.0	1	
1P	0	1548	247	-484	0	-71	-76	28.8	75.2	41.1	0.0	104.0	1	
2	0	-2750	-20	-125	0	112	7	51.1	34.2	10.6	0.0	85.3	1	
7	0	-2810	-18	-129	0	113	8	52.2	35.1	11.0	0.0	87.3	1	
8	0	-2791	-24	-148	0	99	4	51.9	28.6	12.6	0.0	80.5	1	
1A	55	-3651	-312	40	0	77	238	67.9	198.2	11.7	0.0	266.1	1	
1B	55	-3651	270	40	0	77	-266	67.9	218.6	10.1	0.0	286.5	1	
1C	55	-3651	-312	-346	0	204	238	67.9	230.9	29.4	0.0	298.8	1	
1D	55	-3651	270	-346	0	204	-266	67.9	251.3	29.4	0.0	319.2	1	
1E	55	-790	-312	40	0	77	238	14.7	198.2	11.7	0.0	212.9	1	
1F	55	-790	270	40	0	77	-266	14.7	218.6	10.1	0.0	233.3	1	
1G	55	-790	-312	-346	0	204	238	14.7	230.9	29.4	0.0	245.6	1	
1H	55	-790	270	-346	0	204	-266	14.7	251.3	29.4	0.0	266.0	1	
1I	55	-6012	-289	177	0	83	208	111.8	177.3	15.0	0.0	289.1	1	
1J	55	-6012	247	177	0	83	-235	111.8	197.7	15.0	0.0	309.4	1	
1K	55	-6012	-289	-484	0	198	208	111.8	206.7	41.1	0.0	318.4	1	
1L	55	-6012	247	-484	0	198	-235	111.8	227.0	41.1	0.0	338.8	1	

1M	55	1571	-289	177	0	83	208	29.2	177.3	15.0	0.0	206.5	1
1N	55	1571	247	177	0	83	-235	29.2	197.7	15.0	0.0	226.9	1
1O	55	1571	-289	-484	0	198	208	29.2	206.7	41.1	0.0	235.9	1
1P	55	1571	247	-484	0	198	-235	29.2	227.0	41.1	0.0	256.2	1
2	55	-2720	-20	-125	0	181	-4	50.5	49.4	10.6	0.0	99.9	1
7	55	-2780	-18	-129	0	185	-2	51.7	49.1	11.0	0.0	100.7	1
8	55	-2760	-24	-148	0	182	-9	51.3	53.7	12.6	0.0	105.0	1
1A	111	-3628	-312	40	0	53	387	67.4	303.3	11.7	0.0	370.8	1
1B	111	-3628	270	40	0	53	-438	67.4	341.1	10.1	0.0	408.5	1
1C	111	-3628	-312	-346	0	398	387	67.4	392.1	29.4	0.0	459.5	1
1D	111	-3628	270	-346	0	398	-438	67.4	429.8	29.4	0.0	497.3	1
1E	111	-766	-312	40	0	53	387	14.2	303.3	11.7	0.0	317.6	1
1F	111	-766	270	40	0	53	-438	14.2	341.1	10.1	0.0	355.3	1
1G	111	-766	-312	-346	0	398	387	14.2	392.1	29.4	0.0	406.3	1
1H	111	-766	270	-346	0	398	-438	14.2	429.8	29.4	0.0	444.1	1
1I	111	-5989	-289	177	0	-16	344	111.3	261.8	15.0	0.0	373.2	1
1J	111	-5989	247	177	0	-16	-395	111.3	299.6	15.0	0.0	410.9	1
1K	111	-5989	-289	-484	0	466	344	111.3	377.8	41.1	0.0	489.1	1
1L	111	-5989	247	-484	0	466	-395	111.3	415.5	41.1	0.0	526.8	1
1M	111	1595	-289	177	0	-16	344	29.6	261.8	15.0	0.0	291.5	1
1N	111	1595	247	177	0	-16	-395	29.6	299.6	15.0	0.0	329.2	1
1O	111	1595	-289	-484	0	466	344	29.6	377.8	41.1	0.0	407.4	1
1P	111	1595	247	-484	0	466	-395	29.6	415.5	41.1	0.0	445.2	1
2	111	-2689	-20	-125	0	250	-15	50.0	75.5	10.6	0.0	125.4	1
7	111	-2749	-18	-129	0	256	-12	51.1	74.9	11.0	0.0	126.0	1
8	111	-2730	-24	-148	0	264	-23	50.7	84.8	12.6	0.0	135.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3675	82	268	23	23	14	1.03	1.00	292.4	
1B	-3675	82	300	23	23	14	1.03	1.00	316.3	
1C	-3675	243	268	23	23	14	1.03	1.00	333.9	
1D	-3675	243	300	23	23	14	1.03	1.00	357.8	
1E	-813	82	268	23	23	14	1.03	1.00	237.4	
1F	-813	82	300	23	23	14	1.03	1.00	261.2	
1G	-813	243	268	23	23	14	1.03	1.00	278.8	
1H	-813	243	300	23	23	14	1.03	1.00	302.7	
1I	-6036	103	235	23	23	14	1.03	1.00	318.9	
1J	-6036	103	267	23	23	14	1.03	1.00	342.8	
1K	-6036	251	235	23	23	14	1.03	1.00	357.0	
1L	-6036	251	267	23	23	14	1.03	1.00	380.9	
1M	1595	103	235	23	23	14	1.00	1.00	232.4	
1N	1595	103	267	23	23	14	1.00	1.00	256.3	
1O	1595	251	235	23	23	14	1.00	1.00	270.5	
1P	1595	251	267	23	23	14	1.00	1.00	294.4	
2	-2750	194	6	23	23	14	1.03	1.00	107.3	
7	-2810	199	5	23	23	14	1.03	1.00	108.7	
8	-2791	198	12	23	23	14	1.03	1.00	113.4	

ASTA NUM. 403 NI 292 NF 291 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11758	-15	215	0	249	22	218.6	80.5	18.2	0.0	299.0	1	
1B	0	-11758	18	215	0	249	-18	218.6	77.8	18.2	0.0	296.4	1	
1C	0	-11758	-15	-145	0	-210	22	218.6	70.4	12.3	0.0	288.9	1	
1D	0	-11758	18	-145	0	-210	-18	218.6	67.7	12.3	0.0	286.2	1	
1E	0	8666	-15	215	0	249	22	161.1	80.5	18.2	0.0	241.6	1	
1F	0	8666	18	215	0	249	-18	161.1	77.8	18.2	0.0	238.9	1	
1G	0	8666	-15	-145	0	-210	22	161.1	70.4	12.3	0.0	231.4	1	
1H	0	8666	18	-145	0	-210	-18	161.1	67.7	12.3	0.0	228.8	1	
1I	0	-25685	-9	249	0	613	14	477.4	167.7	21.1	0.0	645.2	1	
1J	0	-25685	11	249	0	613	-10	477.4	165.0	21.1	0.0	642.5	1	
1K	0	-25685	-9	-179	0	-573	14	477.4	157.6	15.1	0.0	635.0	1	
1L	0	-25685	11	-179	0	-573	-10	477.4	154.9	15.1	0.0	632.3	1	
1M	0	22593	-9	249	0	613	14	419.9	167.7	21.1	0.0	587.7	1	
1N	0	22593	11	249	0	613	-10	419.9	165.0	21.1	0.0	585.0	1	
1O	0	22593	-9	-179	0	-573	14	419.9	157.6	15.1	0.0	577.5	1	
1P	0	22593	11	-179	0	-573	-10	419.9	154.9	15.1	0.0	574.9	1	
2	0	6880	5	-99	0	-179	9	127.9	52.9	8.4	0.0	180.8	1	
7	0	7111	4	-108	0	-178	8	132.2	51.7	9.1	0.0	183.8	1	
8	0	4379	4	-56	0	-122	7	81.4	36.8	4.7	0.0	118.1	1	
1A	55	-11735	-15	215	0	227	31	218.1	81.6	18.2	0.0	299.7	1	
1B	55	-11735	18	215	0	227	-26	218.1	78.0	18.2	0.0	296.1	1	
1C	55	-11735	-15	-145	0	-227	31	218.1	81.5	12.3	0.0	299.6	1	
1D	55	-11735	18	-145	0	-227	-26	218.1	77.9	12.3	0.0	296.0	1	
1E	55	8689	-15	215	0	227	31	161.5	81.6	18.2	0.0	243.1	1	
1F	55	8689	18	215	0	227	-26	161.5	78.0	18.2	0.0	239.5	1	
1G	55	8689	-15	-145	0	-227	31	161.5	81.5	12.3	0.0	243.0	1	
1H	55	8689	18	-145	0	-227	-26	161.5	77.9	12.3	0.0	239.4	1	
1I	55	-25662	-9	249	0	504	19	477.0	143.6	21.1	0.0	620.6	1	
1J	55	-25662	11	249	0	504	-14	477.0	140.0	21.1	0.0	617.0	1	
1K	55	-25662	-9	-179	0	-504	19	477.0	143.5	15.1	0.0	620.5	1	
1L	55	-25662	11	-179	0	-504	-14	477.0	139.9	15.1	0.0	616.9	1	
1M	55	22616	-9	249	0	504	19	420.4	143.6	21.1	0.0	564.0	1	

1N	55	22616	11	249	0	504	-14	420.4	140.0	21.1	0.0	560.4	1
1O	55	22616	-9	-179	0	-504	19	420.4	143.5	15.1	0.0	563.8	1
1P	55	22616	11	-179	0	-504	-14	420.4	139.9	15.1	0.0	560.2	1
2	55	6910	5	-99	0	-124	12	128.4	41.1	8.4	0.0	169.5	1
7	55	7141	4	-108	0	-119	10	132.7	38.1	9.1	0.0	170.9	1
8	55	4410	4	-56	0	-91	10	82.0	30.6	4.7	0.0	112.6	1
1A	111	-11712	-15	215	0	206	40	217.7	82.7	18.2	0.0	300.4	1
1B	111	-11712	18	215	0	206	-34	217.7	78.2	18.2	0.0	295.9	1
1C	111	-11712	-15	-145	0	-244	40	217.7	92.6	12.3	0.0	310.3	1
1D	111	-11712	18	-145	0	-244	-34	217.7	88.1	12.3	0.0	305.8	1
1E	111	8712	-15	215	0	206	40	161.9	82.7	18.2	0.0	244.7	1
1F	111	8712	18	215	0	206	-34	161.9	78.2	18.2	0.0	240.2	1
1G	111	8712	-15	-145	0	-244	40	161.9	92.6	12.3	0.0	254.6	1
1H	111	8712	18	-145	0	-244	-34	161.9	88.1	12.3	0.0	250.1	1
1I	111	-25639	-9	249	0	396	24	476.6	119.5	21.1	0.0	596.0	1
1J	111	-25639	11	249	0	396	-18	476.6	114.9	21.1	0.0	591.5	1
1K	111	-25639	-9	-179	0	-434	24	476.6	129.3	15.1	0.0	605.9	1
1L	111	-25639	11	-179	0	-434	-18	476.6	124.8	15.1	0.0	601.4	1
1M	111	22639	-9	249	0	396	24	420.8	119.5	21.1	0.0	540.3	1
1N	111	22639	11	249	0	396	-18	420.8	114.9	21.1	0.0	535.7	1
1O	111	22639	-9	-179	0	-434	24	420.8	129.3	15.1	0.0	550.1	1
1P	111	22639	11	-179	0	-434	-18	420.8	124.8	15.1	0.0	545.6	1
2	111	6941	5	-99	0	-70	15	129.0	29.2	8.4	0.0	158.3	1
7	111	7171	4	-108	0	-59	13	133.3	24.6	9.1	0.0	157.9	1
8	111	4440	4	-56	0	-60	12	82.5	24.5	4.7	0.0	107.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11758	232	33	23	23	14	1.03	1.00	309.5	
1B	-11758	232	28	23	23	14	1.03	1.00	305.7	
1C	-11758	230	33	23	23	14	1.03	1.00	309.1	
1D	-11758	230	28	23	23	14	1.03	1.00	305.3	
1E	8712	232	33	23	23	14	1.00	1.00	246.0	
1F	8712	232	28	23	23	14	1.00	1.00	242.2	
1G	8712	230	33	23	23	14	1.00	1.00	245.7	
1H	8712	230	28	23	23	14	1.00	1.00	241.9	
1I	-25685	526	20	23	23	14	1.03	1.00	642.5	
1J	-25685	526	15	23	23	14	1.03	1.00	638.6	
1K	-25685	517	20	23	23	14	1.03	1.00	640.3	
1L	-25685	517	15	23	23	14	1.03	1.00	636.5	
1M	22639	526	20	23	23	14	1.00	1.00	570.7	
1N	22639	526	15	23	23	14	1.00	1.00	567.0	
1O	22639	517	20	23	23	14	1.00	1.00	568.6	
1P	22639	517	15	23	23	14	1.00	1.00	564.8	
2	6941	135	13	23	23	14	1.00	1.00	173.3	
7	7171	131	11	23	23	14	1.00	1.00	174.9	
8	4440	97	10	23	23	14	1.00	1.00	115.1	

ASTA NUM. 404 NI 291 NF 290 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8697	-18	103	0	239	41	161.7	91.9	8.7	0.0	253.6	1	
1B	0	-8697	17	103	0	239	-33	161.7	86.5	8.7	0.0	248.2	1	
1C	0	-8697	-18	-210	0	-292	41	161.7	105.5	17.8	0.0	267.2	1	
1D	0	-8697	17	-210	0	-292	-33	161.7	100.1	17.8	0.0	261.8	1	
1E	0	4841	-18	103	0	239	41	90.0	91.9	8.7	0.0	181.9	1	
1F	0	4841	17	103	0	239	-33	90.0	86.5	8.7	0.0	176.5	1	
1G	0	4841	-18	-210	0	-292	41	90.0	105.5	17.8	0.0	195.5	1	
1H	0	4841	17	-210	0	-292	-33	90.0	100.1	17.8	0.0	190.1	1	
1I	0	-17081	-14	192	0	540	23	317.5	156.5	16.2	0.0	474.0	1	
1J	0	-17081	13	192	0	540	-16	317.5	151.1	16.2	0.0	468.6	1	
1K	0	-17081	-14	-298	0	-593	23	317.5	170.1	25.3	0.0	487.6	1	
1L	0	-17081	13	-298	0	-593	-16	317.5	164.7	25.3	0.0	482.2	1	
1M	0	13225	-14	192	0	540	23	245.8	156.5	16.2	0.0	402.3	1	
1N	0	13225	13	192	0	540	-16	245.8	151.1	16.2	0.0	396.9	1	
1O	0	13225	-14	-298	0	-593	23	245.8	170.1	25.3	0.0	416.0	1	
1P	0	13225	13	-298	0	-593	-16	245.8	164.7	25.3	0.0	410.5	1	
2	0	-1712	-3	-323	0	-222	18	31.8	70.4	27.4	0.0	102.2	1	
7	0	-1194	-3	-301	0	-207	15	22.2	64.4	25.5	0.0	86.5	1	
8	0	-1846	-2	-249	0	-171	14	34.3	54.3	21.1	0.0	88.6	1	
1A	55	-8674	-18	103	0	192	41	161.2	80.4	8.7	0.0	241.7	1	
1B	55	-8674	17	103	0	192	-35	161.2	75.4	8.7	0.0	236.7	1	
1C	55	-8674	-18	-210	0	-186	41	161.2	78.9	17.8	0.0	240.1	1	
1D	55	-8674	17	-210	0	-186	-35	161.2	73.9	17.8	0.0	235.1	1	
1E	55	4864	-18	103	0	192	41	90.4	80.4	8.7	0.0	170.8	1	
1F	55	4864	17	103	0	192	-35	90.4	75.4	8.7	0.0	165.8	1	
1G	55	4864	-18	-210	0	-186	41	90.4	78.9	17.8	0.0	169.3	1	
1H	55	4864	17	-210	0	-186	-35	90.4	73.9	17.8	0.0	164.3	1	
1I	55	-17058	-14	192	0	437	25	317.1	131.3	16.2	0.0	448.4	1	
1J	55	-17058	13	192	0	437	-18	317.1	126.3	16.2	0.0	443.4	1	
1K	55	-17058	-14	-298	0	-431	25	317.1	129.8	25.3	0.0	446.9	1	
1L	55	-17058	13	-298	0	-431	-18	317.1	124.8	25.3	0.0	441.9	1	
1M	55	13248	-14	192	0	437	25	246.2	131.3	16.2	0.0	377.6	1	
1N	55	13248	13	192	0	437	-18	246.2	126.3	16.2	0.0	372.6	1	

1O	55	13248	-14	-298	0	-431	25	246.2	129.8	25.3	0.0	376.0	1
1P	55	13248	13	-298	0	-431	-18	246.2	124.8	25.3	0.0	371.0	1
2	55	-1682	-3	-323	0	-44	16	31.3	23.4	27.4	0.0	59.2	3
7	55	-1164	-3	-301	0	-41	13	21.6	20.4	25.5	0.0	50.1	3
8	55	-1816	-2	-249	0	-33	13	33.7	18.1	21.1	0.0	52.8	3
1A	111	-8651	-18	103	0	145	42	160.8	68.9	8.7	0.0	229.7	1
1B	111	-8651	17	103	0	145	-36	160.8	64.4	8.7	0.0	225.2	1
1C	111	-8651	-18	-210	0	-80	42	160.8	52.3	17.8	0.0	213.0	1
1D	111	-8651	17	-210	0	-80	-36	160.8	47.7	17.8	0.0	208.5	1
1E	111	4887	-18	103	0	145	42	90.8	68.9	8.7	0.0	159.8	1
1F	111	4887	17	103	0	145	-36	90.8	64.4	8.7	0.0	155.2	1
1G	111	4887	-18	-210	0	-80	42	90.8	52.3	17.8	0.0	143.1	1
1H	111	4887	17	-210	0	-80	-36	90.8	47.7	17.8	0.0	138.5	1
1I	111	-17035	-14	192	0	334	27	316.6	106.1	16.2	0.0	422.8	1
1J	111	-17035	13	192	0	334	-21	316.6	101.6	16.2	0.0	418.2	1
1K	111	-17035	-14	-298	0	-269	27	316.6	89.4	25.3	0.0	406.1	1
1L	111	-17035	13	-298	0	-269	-21	316.6	84.9	25.3	0.0	401.5	1
1M	111	13271	-14	192	0	334	27	246.7	106.1	16.2	0.0	352.8	1
1N	111	13271	13	192	0	334	-21	246.7	101.6	16.2	0.0	348.2	1
1O	111	13271	-14	-298	0	-269	27	246.7	89.4	25.3	0.0	336.1	1
1P	111	13271	13	-298	0	-269	-21	246.7	84.9	25.3	0.0	331.5	1
2	111	-1651	-3	-323	0	135	15	30.7	45.6	27.4	0.0	76.3	1
7	111	-1133	-3	-301	0	126	12	21.1	41.1	25.5	0.0	63.6	3
8	111	-1785	-2	-249	0	104	12	33.2	35.6	21.1	0.0	68.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8697	201	42	23	23	14	1.03	1.00	249.7	
1B	-8697	201	35	23	23	14	1.03	1.00	244.8	
1C	-8697	207	42	23	23	14	1.03	1.00	251.2	
1D	-8697	207	35	23	23	14	1.03	1.00	246.3	
1E	4887	201	42	23	23	14	1.00	1.00	173.8	
1F	4887	201	35	23	23	14	1.00	1.00	168.9	
1G	4887	207	42	23	23	14	1.00	1.00	175.3	
1H	4887	207	35	23	23	14	1.00	1.00	170.4	
1I	-17081	458	25	23	23	14	1.03	1.00	464.4	
1J	-17081	458	19	23	23	14	1.03	1.00	459.5	
1K	-17081	464	25	23	23	14	1.03	1.00	465.9	
1L	-17081	464	19	23	23	14	1.03	1.00	461.0	
1M	13271	458	25	23	23	14	1.00	1.00	383.6	
1N	13271	458	19	23	23	14	1.00	1.00	378.7	
1O	13271	464	25	23	23	14	1.00	1.00	385.1	
1P	13271	464	19	23	23	14	1.00	1.00	380.1	
2	-1712	89	16	23	23	14	1.03	1.00	68.0	
7	-1194	83	14	23	23	14	1.03	1.00	54.3	
8	-1846	68	13	23	23	14	1.03	1.00	62.6	

ASTA NUM. 405 NI 290 NF 289 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8436	-13	193	0	197	50	156.8	88.0	16.4	0.0	244.8	1	
1B	0	-8436	12	193	0	197	-43	156.8	82.7	16.4	0.0	239.5	1	
1C	0	-8436	-13	-138	0	-146	50	156.8	75.1	11.7	0.0	231.9	1	
1D	0	-8436	12	-138	0	-146	-43	156.8	69.7	11.7	0.0	226.5	1	
1E	0	4618	-13	193	0	197	50	85.8	88.0	16.4	0.0	173.9	1	
1F	0	4618	12	193	0	197	-43	85.8	82.7	16.4	0.0	168.5	1	
1G	0	4618	-13	-138	0	-146	50	85.8	75.1	11.7	0.0	160.9	1	
1H	0	4618	12	-138	0	-146	-43	85.8	69.7	11.7	0.0	155.6	1	
1I	0	-16452	-14	313	0	480	32	305.8	147.7	26.5	0.0	453.5	1	
1J	0	-16452	14	313	0	480	-25	305.8	142.4	26.5	0.0	448.2	1	
1K	0	-16452	-14	-257	0	-430	32	305.8	134.8	21.8	0.0	440.6	1	
1L	0	-16452	14	-257	0	-430	-25	305.8	129.4	21.8	0.0	435.2	1	
1M	0	12634	-14	313	0	480	32	234.8	147.7	26.5	0.0	382.6	1	
1N	0	12634	14	313	0	480	-25	234.8	142.4	26.5	0.0	377.2	1	
1O	0	12634	-14	-257	0	-430	32	234.8	134.8	21.8	0.0	369.6	1	
1P	0	12634	14	-257	0	-430	-25	234.8	129.4	21.8	0.0	364.3	1	
2	0	-2131	-2	-73	0	14	16	39.6	15.5	6.2	0.0	55.1	1	
7	0	-1593	-2	-78	0	10	13	29.6	12.0	6.6	0.0	41.6	1	
8	0	-2136	-1	-41	0	16	13	39.7	13.6	3.5	0.0	53.3	1	
1A	55	-8412	-13	193	0	31	47	156.4	43.0	16.4	0.0	199.4	1	
1B	55	-8412	12	193	0	31	-40	156.4	37.9	16.4	0.0	194.2	1	
1C	55	-8412	-13	-138	0	-12	47	156.4	37.9	11.7	0.0	194.3	1	
1D	55	-8412	12	-138	0	-12	-40	156.4	32.8	11.7	0.0	189.2	1	
1E	55	4642	-13	193	0	31	47	86.3	43.0	16.4	0.0	129.3	1	
1F	55	4642	12	193	0	31	-40	86.3	37.9	16.4	0.0	124.1	1	
1G	55	4642	-13	-138	0	-12	47	86.3	37.9	11.7	0.0	124.2	1	
1H	55	4642	12	-138	0	-12	-40	86.3	32.8	11.7	0.0	119.1	1	
1I	55	-16429	-14	313	0	328	35	305.4	110.5	26.5	0.0	415.9	1	
1J	55	-16429	14	313	0	328	-28	305.4	105.4	26.5	0.0	410.8	1	
1K	55	-16429	-14	-257	0	-309	35	305.4	105.5	21.8	0.0	410.9	1	
1L	55	-16429	14	-257	0	-309	-28	305.4	100.3	21.8	0.0	405.7	1	
1M	55	12658	-14	313	0	328	35	235.3	110.5	26.5	0.0	345.8	1	
1N	55	12658	14	313	0	328	-28	235.3	105.4	26.5	0.0	340.7	1	
1O	55	12658	-14	-257	0	-309	35	235.3	105.5	21.8	0.0	340.8	1	

1P	55	12658	14	-257	0	-309	-28	235.3	100.3	21.8	0.0	335.6	1
2	55	-2100	-2	-73	0	54	15	39.0	25.0	6.2	0.0	64.0	1
7	55	-1563	-2	-78	0	53	11	29.1	22.1	6.6	0.0	51.1	1
8	55	-2106	-1	-41	0	39	12	39.1	18.9	3.5	0.0	58.0	1
1A	111	-8389	-13	193	0	-134	43	155.9	66.7	16.4	0.0	222.6	1
1B	111	-8389	12	193	0	-134	-37	155.9	61.8	16.4	0.0	217.7	1
1C	111	-8389	-13	-138	0	123	43	155.9	63.9	11.7	0.0	219.8	1
1D	111	-8389	12	-138	0	123	-37	155.9	59.0	11.7	0.0	214.9	1
1E	111	4665	-13	193	0	-134	43	86.7	66.7	16.4	0.0	153.4	1
1F	111	4665	12	193	0	-134	-37	86.7	61.8	16.4	0.0	148.5	1
1G	111	4665	-13	-138	0	123	43	86.7	63.9	11.7	0.0	150.6	1
1H	111	4665	12	-138	0	123	-37	86.7	59.0	11.7	0.0	145.7	1
1I	111	-16405	-14	313	0	176	37	304.9	73.4	26.5	0.0	378.3	1
1J	111	-16405	14	313	0	176	-31	304.9	68.4	26.5	0.0	373.4	1
1K	111	-16405	-14	-257	0	-187	37	304.9	76.2	21.8	0.0	381.1	1
1L	111	-16405	14	-257	0	-187	-31	304.9	71.3	21.8	0.0	376.2	1
1M	111	12681	-14	313	0	176	37	235.7	73.4	26.5	0.0	309.1	1
1N	111	12681	14	313	0	176	-31	235.7	68.4	26.5	0.0	304.2	1
1O	111	12681	-14	-257	0	-187	37	235.7	76.2	21.8	0.0	311.9	1
1P	111	12681	14	-257	0	-187	-31	235.7	71.3	21.8	0.0	307.0	1
2	111	-2070	-2	-73	0	94	14	38.5	34.5	6.2	0.0	72.9	1
7	111	-1533	-2	-78	0	96	10	28.5	32.2	6.6	0.0	60.7	1
8	111	-2076	-1	-41	0	62	11	38.6	24.2	3.5	0.0	62.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8436	79	47	23	23	14	1.03	1.00	217.3	
1B	-8436	79	40	23	23	14	1.03	1.00	212.1	
1C	-8436	58	47	23	23	14	1.03	1.00	212.1	
1D	-8436	58	40	23	23	14	1.03	1.00	206.9	
1E	4665	79	47	23	23	14	1.00	1.00	142.4	
1F	4665	79	40	23	23	14	1.00	1.00	137.2	
1G	4665	58	47	23	23	14	1.00	1.00	137.2	
1H	4665	58	40	23	23	14	1.00	1.00	132.0	
1I	-16452	359	35	23	23	14	1.03	1.00	434.2	
1J	-16452	359	29	23	23	14	1.03	1.00	429.1	
1K	-16452	333	35	23	23	14	1.03	1.00	427.5	
1L	-16452	333	29	23	23	14	1.03	1.00	422.4	
1M	12681	359	35	23	23	14	1.00	1.00	354.5	
1N	12681	359	29	23	23	14	1.00	1.00	349.4	
1O	12681	333	35	23	23	14	1.00	1.00	347.8	
1P	12681	333	29	23	23	14	1.00	1.00	342.7	
2	-2131	62	15	23	23	14	1.03	1.00	68.0	
7	-1593	62	12	23	23	14	1.03	1.00	55.0	
8	-2136	44	12	23	23	14	1.03	1.00	61.1	

ASTA NUM. 406 NI 289 NF 288 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5447	-64	71	0	139	72	101.2	89.9	6.1	0.0	191.1	1	
1B	0	-5447	52	71	0	139	-62	101.2	82.1	6.1	0.0	183.4	1	
1C	0	-5447	-64	-172	0	-164	72	101.2	96.3	14.6	0.0	197.5	1	
1D	0	-5447	52	-172	0	-164	-62	101.2	88.5	14.6	0.0	189.7	1	
1E	0	917	-64	71	0	139	72	17.0	89.9	6.1	0.0	106.9	1	
1F	0	917	52	71	0	139	-62	17.0	82.1	6.1	0.0	99.2	1	
1G	0	917	-64	-172	0	-164	72	17.0	96.3	14.6	0.0	113.3	1	
1H	0	917	52	-172	0	-164	-62	17.0	88.5	14.6	0.0	105.5	1	
1I	0	-8325	-39	192	0	314	55	154.7	121.9	16.3	0.0	276.6	1	
1J	0	-8325	27	192	0	314	-44	154.7	114.1	16.3	0.0	268.9	1	
1K	0	-8325	-39	-293	0	-339	55	154.7	128.3	24.8	0.0	283.0	1	
1L	0	-8325	27	-293	0	-339	-44	154.7	120.5	24.8	0.0	275.2	1	
1M	0	3795	-39	192	0	314	55	70.5	121.9	16.3	0.0	192.4	1	
1N	0	3795	27	192	0	314	-44	70.5	114.1	16.3	0.0	184.7	1	
1O	0	3795	-39	-293	0	-339	55	70.5	128.3	24.8	0.0	198.8	1	
1P	0	3795	27	-293	0	-339	-44	70.5	120.5	24.8	0.0	191.0	1	
2	0	-7177	-24	-225	0	3	19	133.4	14.6	19.1	0.0	148.0	1	
7	0	-6368	-20	-204	0	9	14	118.4	12.6	17.3	0.0	130.9	1	
8	0	-5865	-19	-179	0	-6	15	109.0	12.9	15.2	0.0	122.0	1	
1A	55	-5424	-64	71	0	103	50	100.8	63.9	6.1	0.0	164.7	1	
1B	55	-5424	52	71	0	103	-46	100.8	61.0	6.1	0.0	161.8	1	
1C	55	-5424	-64	-172	0	-73	50	100.8	56.0	14.6	0.0	156.8	1	
1D	55	-5424	52	-172	0	-73	-46	100.8	53.1	14.6	0.0	153.9	1	
1E	55	940	-64	71	0	103	50	17.5	63.9	6.1	0.0	81.4	1	
1F	55	940	52	71	0	103	-46	17.5	61.0	6.1	0.0	78.5	1	
1G	55	940	-64	-172	0	-73	50	17.5	56.0	14.6	0.0	73.4	1	
1H	55	940	52	-172	0	-73	-46	17.5	53.1	14.6	0.0	70.5	1	
1I	55	-8301	-39	192	0	209	42	154.3	85.5	16.3	0.0	239.8	1	
1J	55	-8301	27	192	0	209	-38	154.3	82.6	16.3	0.0	236.9	1	
1K	55	-8301	-39	-293	0	-178	42	154.3	77.5	24.8	0.0	231.8	1	
1L	55	-8301	27	-293	0	-178	-38	154.3	74.6	24.8	0.0	228.9	1	
1M	55	3818	-39	192	0	209	42	71.0	85.5	16.3	0.0	156.5	1	
1N	55	3818	27	192	0	209	-38	71.0	82.6	16.3	0.0	153.6	1	
1O	55	3818	-39	-293	0	-178	42	71.0	77.5	24.8	0.0	148.5	1	
1P	55	3818	27	-293	0	-178	-38	71.0	74.6	24.8	0.0	145.6	1	

2	55	-7146	-24	-225	0	127	5	132.8	36.7	19.1	0.0	169.5	1
7	55	-6338	-20	-204	0	122	3	117.8	33.4	17.3	0.0	151.2	1
8	55	-5835	-19	-179	0	93	5	108.5	27.6	15.2	0.0	136.0	1
1A	111	-5400	-64	71	0	68	27	100.4	37.9	6.1	0.0	138.3	1
1B	111	-5400	52	71	0	68	-30	100.4	39.9	6.1	0.0	140.3	1
1C	111	-5400	-64	-172	0	19	27	100.4	25.4	14.6	0.0	125.7	1
1D	111	-5400	52	-172	0	19	-30	100.4	27.4	14.6	0.0	127.8	1
1E	111	964	-64	71	0	68	27	17.9	37.9	6.1	0.0	55.8	1
1F	111	964	52	71	0	68	-30	17.9	39.9	6.1	0.0	57.8	1
1G	111	964	-64	-172	0	19	27	17.9	25.4	14.6	0.0	43.3	1
1H	111	964	52	-172	0	19	-30	17.9	27.4	14.6	0.0	45.3	1
1I	111	-8278	-39	192	0	104	30	153.9	49.1	16.3	0.0	202.9	1
1J	111	-8278	27	192	0	104	-32	153.9	51.1	16.3	0.0	204.9	1
1K	111	-8278	-39	-293	0	-18	30	153.9	26.8	24.8	0.0	180.7	1
1L	111	-8278	27	-293	0	-18	-32	153.9	28.8	24.8	0.0	182.7	1
1M	111	3842	-39	192	0	104	30	71.4	49.1	16.3	0.0	120.5	1
1N	111	3842	27	192	0	104	-32	71.4	51.1	16.3	0.0	122.5	1
1O	111	3842	-39	-293	0	-18	30	71.4	26.8	24.8	0.0	98.2	1
1P	111	3842	27	-293	0	-18	-32	71.4	28.8	24.8	0.0	100.2	1
2	111	-7116	-24	-225	0	252	-8	132.3	70.6	19.1	0.0	202.9	1
7	111	-6308	-20	-204	0	234	-8	117.2	66.4	17.3	0.0	183.6	1
8	111	-5805	-19	-179	0	192	-5	107.9	53.6	15.2	0.0	161.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5447	111	54	23	23	14	1.03	1.00	173.5	
1B	-5447	111	49	23	23	14	1.03	1.00	169.6	
1C	-5447	91	54	23	23	14	1.03	1.00	168.4	
1D	-5447	91	49	23	23	14	1.03	1.00	164.5	
1E	964	111	54	23	23	14	1.00	1.00	87.0	
1F	964	111	49	23	23	14	1.00	1.00	83.2	
1G	964	91	54	23	23	14	1.00	1.00	81.9	
1H	964	91	49	23	23	14	1.00	1.00	78.1	
1I	-8325	230	45	23	23	14	1.03	1.00	252.4	
1J	-8325	230	40	23	23	14	1.03	1.00	248.5	
1K	-8325	211	45	23	23	14	1.03	1.00	247.3	
1L	-8325	211	40	23	23	14	1.03	1.00	243.4	
1M	3842	230	45	23	23	14	1.00	1.00	164.2	
1N	3842	230	40	23	23	14	1.00	1.00	160.3	
1O	3842	211	45	23	23	14	1.00	1.00	159.1	
1P	3842	211	40	23	23	14	1.00	1.00	155.2	
2	-7177	152	8	23	23	14	1.03	1.00	182.6	
7	-6368	144	5	23	23	14	1.03	1.00	163.2	
8	-5865	113	7	23	23	14	1.03	1.00	146.6	

ASTA NUM. 407 NI 288 NF 287 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5187	-55	156	0	121	41	96.4	61.6	13.2	0.0	158.0	1	
1B	0	-5187	43	156	0	121	-40	96.4	61.0	13.2	0.0	157.4	1	
1C	0	-5187	-55	-107	0	-48	41	96.4	43.0	9.0	0.0	139.4	1	
1D	0	-5187	43	-107	0	-48	-40	96.4	42.4	9.0	0.0	138.8	1	
1E	0	697	-55	156	0	121	41	12.9	61.6	13.2	0.0	74.6	1	
1F	0	697	43	156	0	121	-40	12.9	61.0	13.2	0.0	74.0	1	
1G	0	697	-55	-107	0	-48	41	12.9	43.0	9.0	0.0	56.0	1	
1H	0	697	43	-107	0	-48	-40	12.9	42.4	9.0	0.0	55.4	1	
1I	0	-7704	-37	293	0	247	40	143.2	93.4	24.8	0.0	236.6	1	
1J	0	-7704	25	293	0	247	-39	143.2	92.8	24.8	0.0	236.0	1	
1K	0	-7704	-37	-243	0	-175	40	143.2	74.8	20.6	0.0	218.0	1	
1L	0	-7704	25	-243	0	-175	-39	143.2	74.2	20.6	0.0	217.4	1	
1M	0	3214	-37	293	0	247	40	59.7	93.4	24.8	0.0	153.2	1	
1N	0	3214	25	293	0	247	-39	59.7	92.8	24.8	0.0	152.6	1	
1O	0	3214	-37	-243	0	-175	40	59.7	74.8	20.6	0.0	134.6	1	
1P	0	3214	25	-243	0	-175	-39	59.7	74.2	20.6	0.0	134.0	1	
2	0	-7362	-24	20	0	189	-3	136.8	50.8	1.7	0.0	187.6	1	
7	0	-6535	-20	14	0	177	-4	121.5	48.8	1.2	0.0	170.3	1	
8	0	-5992	-19	22	0	145	-1	111.4	38.2	1.9	0.0	149.6	1	
1A	55	-5163	-55	156	0	32	-1	96.0	9.4	13.2	0.0	105.5	3	
1B	55	-5163	43	156	0	32	-5	96.0	11.7	13.2	0.0	107.7	1	
1C	55	-5163	-55	-107	0	12	-1	96.0	4.2	9.0	0.0	100.1	1	
1D	55	-5163	43	-107	0	12	-5	96.0	6.5	9.0	0.0	102.5	1	
1E	55	720	-55	156	0	32	-1	13.4	9.4	13.2	0.0	29.3	3	
1F	55	720	43	156	0	32	-5	13.4	11.7	13.2	0.0	29.3	3	
1G	55	720	-55	-107	0	12	-1	13.4	4.2	9.0	0.0	21.6	3	
1H	55	720	43	-107	0	12	-5	13.4	6.5	9.0	0.0	21.6	3	
1I	55	-7680	-37	293	0	84	37	142.8	49.2	24.8	0.0	192.0	1	
1J	55	-7680	25	293	0	84	-43	142.8	53.6	24.8	0.0	196.3	1	
1K	55	-7680	-37	-243	0	-39	37	142.8	37.7	20.6	0.0	180.4	1	
1L	55	-7680	25	-243	0	-39	-43	142.8	42.1	20.6	0.0	184.8	1	
1M	55	3237	-37	293	0	84	37	60.2	49.2	24.8	0.0	109.4	1	
1N	55	3237	25	293	0	84	-43	60.2	53.6	24.8	0.0	113.7	1	
1O	55	3237	-37	-243	0	-39	37	60.2	37.7	20.6	0.0	97.8	1	
1P	55	3237	25	-243	0	-39	-43	60.2	42.1	20.6	0.0	102.2	1	
2	55	-7332	-24	20	0	178	-16	136.3	58.0	1.7	0.0	194.3	1	

7	55	-6504	-20	14	0	169	-15	120.9	55.1	1.2	0.0	176.0	1
8	55	-5962	-19	22	0	133	-12	110.8	42.9	1.9	0.0	153.7	1
1A	111	-5140	-55	156	0	-56	-44	95.5	46.9	13.2	0.0	142.5	1
1B	111	-5140	43	156	0	-56	31	95.5	37.6	13.2	0.0	133.1	1
1C	111	-5140	-55	-107	0	73	-44	95.5	51.4	9.0	0.0	146.9	1
1D	111	-5140	43	-107	0	73	31	95.5	42.0	9.0	0.0	137.6	1
1E	111	744	-55	156	0	-56	-44	13.8	46.9	13.2	0.0	60.8	1
1F	111	744	43	156	0	-56	31	13.8	37.6	13.2	0.0	51.4	1
1G	111	744	-55	-107	0	73	-44	13.8	51.4	9.0	0.0	65.2	1
1H	111	744	43	-107	0	73	31	13.8	42.0	9.0	0.0	55.9	1
1I	111	-7657	-37	293	0	-79	34	142.3	45.4	24.8	0.0	187.7	1
1J	111	-7657	25	293	0	-79	-46	142.3	54.8	24.8	0.0	197.1	1
1K	111	-7657	-37	-243	0	96	34	142.3	49.8	20.6	0.0	192.2	1
1L	111	-7657	25	-243	0	96	-46	142.3	59.2	20.6	0.0	201.5	1
1M	111	3261	-37	293	0	-79	34	60.6	45.4	24.8	0.0	106.0	1
1N	111	3261	25	293	0	-79	-46	60.6	54.8	24.8	0.0	115.4	1
1O	111	3261	-37	-243	0	96	34	60.6	49.8	20.6	0.0	110.5	1
1P	111	3261	25	-243	0	96	-46	60.6	59.2	20.6	0.0	119.8	1
2	111	-7302	-24	20	0	168	-30	135.7	65.2	1.7	0.0	200.9	1
7	111	-6474	-20	14	0	161	-27	120.3	61.4	1.2	0.0	181.7	1
8	111	-5931	-19	22	0	121	-22	110.2	47.6	1.9	0.0	157.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5187	50	17	23	23	14	1.03	1.00	125.3	
1B	-5187	50	16	23	23	14	1.03	1.00	124.2	
1C	-5187	29	17	23	23	14	1.03	1.00	119.9	
1D	-5187	29	16	23	23	14	1.03	1.00	118.8	
1E	744	50	17	23	23	14	1.00	1.00	39.7	
1F	744	50	16	23	23	14	1.00	1.00	38.7	
1G	744	29	17	23	23	14	1.00	1.00	34.4	
1H	744	29	16	23	23	14	1.00	1.00	33.3	
1I	-7704	117	37	23	23	14	1.03	1.00	205.7	
1J	-7704	117	43	23	23	14	1.03	1.00	210.1	
1K	-7704	70	37	23	23	14	1.03	1.00	193.6	
1L	-7704	70	43	23	23	14	1.03	1.00	198.1	
1M	3261	117	37	23	23	14	1.00	1.00	118.7	
1N	3261	117	43	23	23	14	1.00	1.00	123.1	
1O	3261	70	37	23	23	14	1.00	1.00	106.6	
1P	3261	70	43	23	23	14	1.00	1.00	111.0	
2	-7362	181	19	23	23	14	1.03	1.00	201.6	
7	-6535	171	18	23	23	14	1.03	1.00	182.4	
8	-5992	135	14	23	23	14	1.03	1.00	159.9	

ASTA NUM. 408 NI 287 NF 286 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4040	-103	63	0	51	30	75.1	35.8	5.3	0.0	110.9	1	
1B	0	-4040	79	63	0	51	-40	75.1	42.8	5.3	0.0	117.9	1	
1C	0	-4040	-103	-150	0	-48	30	75.1	34.9	12.8	0.0	110.0	1	
1D	0	-4040	79	-150	0	-48	-40	75.1	41.9	12.8	0.0	117.0	1	
1E	0	-1134	-103	63	0	51	30	21.1	35.8	5.3	0.0	56.9	1	
1F	0	-1134	79	63	0	51	-40	21.1	42.8	5.3	0.0	63.9	1	
1G	0	-1134	-103	-150	0	-48	30	21.1	34.9	12.8	0.0	56.0	1	
1H	0	-1134	79	-150	0	-48	-40	21.1	41.9	12.8	0.0	62.9	1	
1I	0	-5441	-76	230	0	78	44	101.1	53.3	19.5	0.0	154.5	1	
1J	0	-5441	52	230	0	78	-54	101.1	60.3	19.5	0.0	161.4	1	
1K	0	-5441	-76	-318	0	-75	44	101.1	52.4	26.9	0.0	153.5	1	
1L	0	-5441	52	-318	0	-75	-54	101.1	59.4	26.9	0.0	160.5	1	
1M	0	267	-76	230	0	78	44	5.0	53.3	19.5	0.0	58.3	1	
1N	0	267	52	230	0	78	-54	5.0	60.3	19.5	0.0	65.3	1	
1O	0	267	-76	-318	0	-75	44	5.0	52.4	26.9	0.0	57.4	1	
1P	0	267	52	-318	0	-75	-54	5.0	59.4	26.9	0.0	64.3	1	
2	0	-9249	-45	-122	0	134	-25	171.9	53.1	10.3	0.0	225.0	1	
7	0	-8133	-36	-99	0	132	-24	151.2	51.9	8.4	0.0	203.1	1	
8	0	-7502	-36	-105	0	93	-18	139.4	37.5	8.9	0.0	177.0	1	
1A	55	-4017	-103	63	0	8	-41	74.7	32.5	5.3	0.0	107.2	1	
1B	55	-4017	79	63	0	8	18	74.7	15.5	5.3	0.0	90.2	1	
1C	55	-4017	-103	-150	0	44	-41	74.7	42.0	12.8	0.0	116.6	1	
1D	55	-4017	79	-150	0	44	18	74.7	25.0	12.8	0.0	99.7	1	
1E	55	-1110	-103	63	0	8	-41	20.6	32.5	5.3	0.0	53.1	1	
1F	55	-1110	79	63	0	8	18	20.6	15.5	5.3	0.0	36.2	1	
1G	55	-1110	-103	-150	0	44	-41	20.6	42.0	12.8	0.0	62.6	1	
1H	55	-1110	79	-150	0	44	18	20.6	25.0	12.8	0.0	45.6	1	
1I	55	-5417	-76	230	0	-52	50	100.7	50.7	19.5	0.0	151.4	1	
1J	55	-5417	52	230	0	-52	-73	100.7	67.7	19.5	0.0	168.4	1	
1K	55	-5417	-76	-318	0	104	50	100.7	64.1	26.9	0.0	164.8	1	
1L	55	-5417	52	-318	0	104	-73	100.7	81.1	26.9	0.0	181.8	1	
1M	55	290	-76	230	0	-52	50	5.4	50.7	19.5	0.0	56.1	1	
1N	55	290	52	230	0	-52	-73	5.4	67.7	19.5	0.0	73.1	1	
1O	55	290	-76	-318	0	104	50	5.4	64.1	26.9	0.0	69.5	1	
1P	55	290	52	-318	0	104	-73	5.4	81.1	26.9	0.0	86.5	1	
2	55	-9218	-45	-122	0	201	-50	171.3	89.0	10.3	0.0	260.3	1	
7	55	-8102	-36	-99	0	187	-44	150.6	80.8	8.4	0.0	231.4	1	

8	55	-7472	-36	-105	0	151	-38	138.9	67.2	8.9	0.0	206.1	1
1A	111	-3993	-103	63	0	-36	-112	74.2	92.9	5.3	0.0	167.2	1
1B	111	-3993	79	63	0	-36	76	74.2	66.0	5.3	0.0	140.2	1
1C	111	-3993	-103	-150	0	137	-112	74.2	118.8	12.8	0.0	193.1	1
1D	111	-3993	79	-150	0	137	76	74.2	91.9	12.8	0.0	166.1	1
1E	111	-1087	-103	63	0	-36	-112	20.2	92.9	5.3	0.0	113.1	1
1F	111	-1087	79	63	0	-36	76	20.2	66.0	5.3	0.0	86.2	1
1G	111	-1087	-103	-150	0	137	-112	20.2	118.8	12.8	0.0	139.0	1
1H	111	-1087	79	-150	0	137	76	20.2	91.9	12.8	0.0	112.1	1
1I	111	-5394	-76	230	0	-182	55	100.3	88.4	19.5	0.0	188.6	1
1J	111	-5394	52	230	0	-182	-92	100.3	115.3	19.5	0.0	215.6	1
1K	111	-5394	-76	-318	0	283	55	100.3	114.3	26.9	0.0	214.5	1
1L	111	-5394	52	-318	0	283	-92	100.3	141.2	26.9	0.0	241.5	1
1M	111	314	-76	230	0	-182	55	5.8	88.4	19.5	0.0	94.2	1
1N	111	314	52	230	0	-182	-92	5.8	115.3	19.5	0.0	121.2	1
1O	111	314	-76	-318	0	283	55	5.8	114.3	26.9	0.0	120.1	1
1P	111	314	52	-318	0	283	-92	5.8	141.2	26.9	0.0	147.1	1
2	111	-9188	-45	-122	0	269	-74	170.8	124.9	10.3	0.0	295.7	1
7	111	-8072	-36	-99	0	242	-63	150.0	109.8	8.4	0.0	259.8	1
8	111	-7441	-36	-105	0	209	-57	138.3	96.9	8.9	0.0	235.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4040	21	55	23	23	14	1.03	1.00	123.9	
1B	-4040	21	30	23	23	14	1.03	1.00	105.4	
1C	-4040	63	55	23	23	14	1.03	1.00	134.8	
1D	-4040	63	30	23	23	14	1.03	1.00	116.3	
1E	-1134	21	55	23	23	14	1.03	1.00	68.2	
1F	-1134	21	30	23	23	14	1.03	1.00	49.7	
1G	-1134	63	55	23	23	14	1.03	1.00	79.1	
1H	-1134	63	30	23	23	14	1.03	1.00	60.6	
1I	-5441	78	51	23	23	14	1.03	1.00	162.5	
1J	-5441	78	76	23	23	14	1.03	1.00	181.5	
1K	-5441	140	51	23	23	14	1.03	1.00	178.4	
1L	-5441	140	76	23	23	14	1.03	1.00	197.5	
1M	314	78	51	23	23	14	1.00	1.00	64.1	
1N	314	78	76	23	23	14	1.00	1.00	83.0	
1O	314	140	51	23	23	14	1.00	1.00	80.0	
1P	314	140	76	23	23	14	1.00	1.00	98.9	
2	-9249	215	55	23	23	14	1.03	1.00	273.5	
7	-8133	198	48	23	23	14	1.03	1.00	242.5	
8	-7502	163	42	23	23	14	1.03	1.00	216.9	

ASTA NUM. 409 NI 286 NF 285 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4109	-100	332	0	87	61	76.4	68.3	28.1	0.0	144.7	1	
1B	0	-4109	72	332	0	87	-99	76.4	96.7	28.1	0.0	173.1	1	
1C	0	-4109	-100	-408	0	-0	61	76.4	46.1	34.6	0.0	122.5	1	
1D	0	-4109	72	-408	0	-0	-99	76.4	74.5	34.6	0.0	150.9	1	
1E	0	-1021	-100	332	0	87	61	19.0	68.3	28.1	0.0	87.3	1	
1F	0	-1021	72	332	0	87	-99	19.0	96.7	28.1	0.0	115.7	1	
1G	0	-1021	-100	-408	0	-0	61	19.0	46.1	34.6	0.0	65.1	1	
1H	0	-1021	72	-408	0	-0	-99	19.0	74.5	34.6	0.0	93.4	1	
1I	0	-5854	-78	914	0	157	58	108.8	83.6	77.5	0.0	192.4	1	
1J	0	-5854	50	914	0	157	-95	108.8	111.9	77.5	0.0	220.8	1	
1K	0	-5854	-78	-990	0	-71	58	108.8	61.4	83.9	0.0	182.4	4	
1L	0	-5854	50	-990	0	-71	-95	108.8	89.7	83.9	0.0	198.5	1	
1M	0	724	-78	914	0	157	58	13.5	83.6	77.5	0.0	135.0	4	
1N	0	724	50	914	0	157	-95	13.5	111.9	77.5	0.0	135.1	4	
1O	0	724	-78	-990	0	-71	58	13.5	61.4	83.9	0.0	146.1	4	
1P	0	724	50	-990	0	-71	-95	13.5	89.7	83.9	0.0	146.2	4	
2	0	-9233	-52	408	0	259	-79	171.6	126.0	34.6	0.0	297.7	1	
7	0	-8092	-42	297	0	238	-69	150.4	112.7	25.2	0.0	263.1	1	
8	0	-7486	-41	265	0	198	-61	139.1	96.7	22.5	0.0	235.9	1	
1A	55	-4086	-100	332	0	307	97	76.0	152.0	28.1	0.0	228.0	1	
1B	55	-4086	72	332	0	307	-151	76.0	191.9	28.1	0.0	267.9	1	
1C	55	-4086	-100	-408	0	-179	97	76.0	118.9	34.6	0.0	194.9	1	
1D	55	-4086	72	-408	0	-179	-151	76.0	158.8	34.6	0.0	234.8	1	
1E	55	-998	-100	332	0	307	97	18.5	152.0	28.1	0.0	170.5	1	
1F	55	-998	72	332	0	307	-151	18.5	191.9	28.1	0.0	210.5	1	
1G	55	-998	-100	-408	0	-179	97	18.5	118.9	34.6	0.0	137.5	1	
1H	55	-998	72	-408	0	-179	-151	18.5	158.8	34.6	0.0	177.4	1	
1I	55	-5831	-78	914	0	703	77	108.4	238.6	77.5	0.0	347.0	1	
1J	55	-5831	50	914	0	703	-130	108.4	278.5	77.5	0.0	386.9	1	
1K	55	-5831	-78	-990	0	-575	77	108.4	205.5	83.9	0.0	313.9	1	
1L	55	-5831	50	-990	0	-575	-130	108.4	245.4	83.9	0.0	353.8	1	
1M	55	747	-78	914	0	703	77	13.9	238.6	77.5	0.0	252.5	1	
1N	55	747	50	914	0	703	-130	13.9	278.5	77.5	0.0	292.4	1	
1O	55	747	-78	-990	0	-575	77	13.9	205.5	83.9	0.0	219.4	1	
1P	55	747	50	-990	0	-575	-130	13.9	245.4	83.9	0.0	259.3	1	
2	55	-9203	-52	408	0	33	-108	171.1	89.5	34.6	0.0	260.6	1	
7	55	-8062	-42	297	0	73	-92	149.8	87.8	25.2	0.0	237.6	1	
8	55	-7456	-41	265	0	52	-84	138.6	76.2	22.5	0.0	214.8	1	

1A	111	-4063	-100	332	0	528	133	75.5	235.7	28.1	0.0	311.2	1
1B	111	-4063	72	332	0	528	-202	75.5	287.2	28.1	0.0	362.7	1
1C	111	-4063	-100	-408	0	-357	133	75.5	191.7	34.6	0.0	267.2	1
1D	111	-4063	72	-408	0	-357	-202	75.5	243.2	34.6	0.0	318.7	1
1E	111	-975	-100	332	0	528	133	18.1	235.7	28.1	0.0	253.8	1
1F	111	-975	72	332	0	528	-202	18.1	287.2	28.1	0.0	305.3	1
1G	111	-975	-100	-408	0	-357	133	18.1	191.7	34.6	0.0	209.8	1
1H	111	-975	72	-408	0	-357	-202	18.1	243.2	34.6	0.0	261.3	1
1I	111	-5808	-78	914	0	1249	96	108.0	393.6	77.5	0.0	501.5	1
1J	111	-5808	50	914	0	1249	-165	108.0	445.0	77.5	0.0	553.0	1
1K	111	-5808	-78	-990	0	-1078	96	108.0	349.6	83.9	0.0	457.5	1
1L	111	-5808	50	-990	0	-1078	-165	108.0	401.0	83.9	0.0	509.0	1
1M	111	770	-78	914	0	1249	96	14.3	393.6	77.5	0.0	407.9	1
1N	111	770	50	914	0	1249	-165	14.3	445.0	77.5	0.0	459.3	1
1O	111	770	-78	-990	0	-1078	96	14.3	349.6	83.9	0.0	363.9	1
1P	111	770	50	-990	0	-1078	-165	14.3	401.0	83.9	0.0	415.3	1
2	111	-9173	-52	408	0	-193	-137	170.5	152.4	34.6	0.0	322.9	1
7	111	-8031	-42	297	0	-91	-115	149.3	109.8	25.2	0.0	259.1	1
8	111	-7426	-41	265	0	-95	-107	138.0	104.3	22.5	0.0	242.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4109	352	105	23	23	14	1.03	1.00	247.6	
1B	-4109	352	161	23	23	14	1.03	1.00	289.9	
1C	-4109	214	105	23	23	14	1.03	1.00	212.3	
1D	-4109	214	161	23	23	14	1.03	1.00	254.6	
1E	-1021	352	105	23	23	14	1.03	1.00	188.3	
1F	-1021	352	161	23	23	14	1.03	1.00	230.6	
1G	-1021	214	105	23	23	14	1.03	1.00	153.1	
1H	-1021	214	161	23	23	14	1.03	1.00	195.3	
1I	-5854	813	81	23	23	14	1.03	1.00	382.0	
1J	-5854	813	137	23	23	14	1.03	1.00	424.4	
1K	-5854	675	81	23	23	14	1.03	1.00	346.7	
1L	-5854	675	137	23	23	14	1.03	1.00	389.0	
1M	770	813	81	23	23	14	1.00	1.00	283.9	
1N	770	813	137	23	23	14	1.00	1.00	326.1	
1O	770	675	81	23	23	14	1.00	1.00	248.6	
1P	770	675	137	23	23	14	1.00	1.00	290.8	
2	-9233	104	114	23	23	14	1.03	1.00	289.2	
7	-8092	106	97	23	23	14	1.03	1.00	255.0	
8	-7486	81	89	23	23	14	1.03	1.00	230.8	

ASTA NUM. 410 NI 252 NF 251 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9721	-11	162	0	194	19	180.7	64.1	13.8	0.0	244.8	1	
1B	0	-9721	15	162	0	194	-15	180.7	61.4	13.8	0.0	242.1	1	
1C	0	-9721	-11	-145	0	-214	19	180.7	69.1	12.3	0.0	249.8	1	
1D	0	-9721	15	-145	0	-214	-15	180.7	66.4	12.3	0.0	247.1	1	
1E	0	8663	-11	162	0	194	19	161.0	64.1	13.8	0.0	225.1	1	
1F	0	8663	15	162	0	194	-15	161.0	61.4	13.8	0.0	222.5	1	
1G	0	8663	-11	-145	0	-214	19	161.0	69.1	12.3	0.0	230.1	1	
1H	0	8663	15	-145	0	-214	-15	161.0	66.4	12.3	0.0	227.5	1	
1I	0	-14589	-6	94	0	343	11	271.2	96.3	8.0	0.0	367.5	1	
1J	0	-14589	9	94	0	343	-7	271.2	93.7	8.0	0.0	364.8	1	
1K	0	-14589	-6	-77	0	-362	11	271.2	101.3	6.5	0.0	372.5	1	
1L	0	-14589	9	-77	0	-362	-7	271.2	98.7	6.5	0.0	369.8	1	
1M	0	13531	-6	94	0	343	11	251.5	96.3	8.0	0.0	347.8	1	
1N	0	13531	9	94	0	343	-7	251.5	93.7	8.0	0.0	345.2	1	
1O	0	13531	-6	-77	0	-362	11	251.5	101.3	6.5	0.0	352.8	1	
1P	0	13531	9	-77	0	-362	-7	251.5	98.7	6.5	0.0	350.2	1	
2	0	8190	7	-178	0	-255	10	152.2	72.9	15.1	0.0	225.1	1	
7	0	7817	6	-168	0	-229	8	145.3	65.2	14.2	0.0	210.5	1	
8	0	5829	6	-123	0	-189	8	108.3	54.4	10.4	0.0	162.8	1	
1A	55	-9698	-11	162	0	158	27	180.3	60.5	13.8	0.0	240.8	1	
1B	55	-9698	15	162	0	158	-21	180.3	56.6	13.8	0.0	236.9	1	
1C	55	-9698	-11	-145	0	-187	27	180.3	68.0	12.3	0.0	248.2	1	
1D	55	-9698	15	-145	0	-187	-21	180.3	64.1	12.3	0.0	244.3	1	
1E	55	8686	-11	162	0	158	27	161.5	60.5	13.8	0.0	222.0	1	
1F	55	8686	15	162	0	158	-21	161.5	56.6	13.8	0.0	218.1	1	
1G	55	8686	-11	-145	0	-187	27	161.5	68.0	12.3	0.0	229.4	1	
1H	55	8686	15	-145	0	-187	-21	161.5	64.1	12.3	0.0	225.5	1	
1I	55	-14565	-6	94	0	308	15	270.7	90.2	8.0	0.0	361.0	1	
1J	55	-14565	9	94	0	308	-9	270.7	86.3	8.0	0.0	357.0	1	
1K	55	-14565	-6	-77	0	-337	15	270.7	97.7	6.5	0.0	368.4	1	
1L	55	-14565	9	-77	0	-337	-9	270.7	93.7	6.5	0.0	364.5	1	
1M	55	13554	-6	94	0	308	15	251.9	90.2	8.0	0.0	342.2	1	
1N	55	13554	9	94	0	308	-9	251.9	86.3	8.0	0.0	338.2	1	
1O	55	13554	-6	-77	0	-337	15	251.9	97.7	6.5	0.0	349.6	1	
1P	55	13554	9	-77	0	-337	-9	251.9	93.7	6.5	0.0	345.7	1	
2	55	8220	7	-178	0	-156	14	152.8	50.6	15.1	0.0	203.4	1	
7	55	7848	6	-168	0	-136	12	145.9	43.8	14.2	0.0	189.7	1	
8	55	5859	6	-123	0	-121	11	108.9	39.3	10.4	0.0	148.2	1	

1A	111	-9674	-11	162	0	122	34	179.8	57.0	13.8	0.0	236.8	1
1B	111	-9674	15	162	0	122	-27	179.8	51.8	13.8	0.0	231.6	1
1C	111	-9674	-11	-145	0	-161	34	179.8	66.9	12.3	0.0	246.7	1
1D	111	-9674	15	-145	0	-161	-27	179.8	61.7	12.3	0.0	241.5	1
1E	111	8710	-11	162	0	122	34	161.9	57.0	13.8	0.0	218.9	1
1F	111	8710	15	162	0	122	-27	161.9	51.8	13.8	0.0	213.7	1
1G	111	8710	-11	-145	0	-161	34	161.9	66.9	12.3	0.0	228.8	1
1H	111	8710	15	-145	0	-161	-27	161.9	61.7	12.3	0.0	223.6	1
1I	111	-14542	-6	94	0	273	19	270.3	84.1	8.0	0.0	354.4	1
1J	111	-14542	9	94	0	273	-12	270.3	78.9	8.0	0.0	349.2	1
1K	111	-14542	-6	-77	0	-311	19	270.3	94.0	6.5	0.0	364.3	1
1L	111	-14542	9	-77	0	-311	-12	270.3	88.8	6.5	0.0	359.1	1
1M	111	13578	-6	94	0	273	19	252.4	84.1	8.0	0.0	336.5	1
1N	111	13578	9	94	0	273	-12	252.4	78.9	8.0	0.0	331.3	1
1O	111	13578	-6	-77	0	-311	19	252.4	94.0	6.5	0.0	346.4	1
1P	111	13578	9	-77	0	-311	-12	252.4	88.8	6.5	0.0	341.2	1
2	111	8251	7	-178	0	-58	18	153.4	28.3	15.1	0.0	181.7	1
7	111	7878	6	-168	0	-43	15	146.4	22.4	14.2	0.0	168.8	1
8	111	5889	6	-123	0	-53	14	109.5	24.2	10.4	0.0	133.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9721	165	28	23	23	14	1.03	1.00	249.8	
1B	-9721	165	22	23	23	14	1.03	1.00	245.6	
1C	-9721	192	28	23	23	14	1.03	1.00	256.8	
1D	-9721	192	22	23	23	14	1.03	1.00	252.6	
1E	8710	165	28	23	23	14	1.00	1.00	225.4	
1F	8710	165	22	23	23	14	1.00	1.00	221.3	
1G	8710	192	28	23	23	14	1.00	1.00	232.4	
1H	8710	192	22	23	23	14	1.00	1.00	228.2	
1I	-14589	315	15	23	23	14	1.03	1.00	372.2	
1J	-14589	315	10	23	23	14	1.03	1.00	368.0	
1K	-14589	342	15	23	23	14	1.03	1.00	379.2	
1L	-14589	342	10	23	23	14	1.03	1.00	375.0	
1M	13578	315	15	23	23	14	1.00	1.00	345.0	
1N	13578	315	10	23	23	14	1.00	1.00	340.8	
1O	13578	342	15	23	23	14	1.00	1.00	351.9	
1P	13578	342	10	23	23	14	1.00	1.00	347.8	
2	8251	176	15	23	23	14	1.00	1.00	209.6	
7	7878	155	12	23	23	14	1.00	1.00	195.5	
8	5889	135	12	23	23	14	1.00	1.00	152.8	

ASTA NUM. 411 NI 251 NF 250 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8015	-23	5	0	94	32	149.0	48.5	0.9	0.0	197.5	1	
1B	0	-8015	22	5	0	94	-26	149.0	43.9	0.8	0.0	192.9	1	
1C	0	-8015	-23	-171	0	-186	32	149.0	72.1	14.5	0.0	221.1	1	
1D	0	-8015	22	-171	0	-186	-26	149.0	67.5	14.5	0.0	216.5	1	
1E	0	4011	-23	5	0	94	32	74.5	48.5	0.9	0.0	123.1	1	
1F	0	4011	22	5	0	94	-26	74.5	43.9	0.8	0.0	118.5	1	
1G	0	4011	-23	-171	0	-186	32	74.5	72.1	14.5	0.0	146.7	1	
1H	0	4011	22	-171	0	-186	-26	74.5	67.5	14.5	0.0	142.1	1	
1I	0	-11003	-15	80	0	315	17	204.5	93.4	6.8	0.0	298.0	1	
1J	0	-11003	14	80	0	315	-11	204.5	88.8	6.8	0.0	293.3	1	
1K	0	-11003	-15	-246	0	-406	17	204.5	117.0	20.9	0.0	321.6	1	
1L	0	-11003	14	-246	0	-406	-11	204.5	112.4	20.9	0.0	316.9	1	
1M	0	6999	-15	80	0	315	17	130.1	93.4	6.8	0.0	223.5	1	
1N	0	6999	14	80	0	315	-11	130.1	88.8	6.8	0.0	218.9	1	
1O	0	6999	-15	-246	0	-406	17	130.1	117.0	20.9	0.0	247.1	1	
1P	0	6999	14	-246	0	-406	-11	130.1	112.4	20.9	0.0	242.5	1	
2	0	-5718	-6	-520	0	-305	20	106.3	93.2	44.1	0.0	199.5	1	
7	0	-4508	-6	-451	0	-262	17	83.8	80.0	38.2	0.0	163.8	1	
8	0	-4578	-4	-399	0	-238	15	85.1	72.5	33.8	0.0	157.6	1	
1A	55	-7992	-23	5	0	118	37	148.5	58.2	0.9	0.0	206.7	1	
1B	55	-7992	22	5	0	118	-31	148.5	54.0	0.8	0.0	202.5	1	
1C	55	-7992	-23	-171	0	-118	37	148.5	58.1	14.5	0.0	206.7	1	
1D	55	-7992	22	-171	0	-118	-31	148.5	53.9	14.5	0.0	202.5	1	
1E	55	4034	-23	5	0	118	37	75.0	58.2	0.9	0.0	133.1	1	
1F	55	4034	22	5	0	118	-31	75.0	54.0	0.8	0.0	128.9	1	
1G	55	4034	-23	-171	0	-118	37	75.0	58.1	14.5	0.0	133.1	1	
1H	55	4034	22	-171	0	-118	-31	75.0	53.9	14.5	0.0	128.9	1	
1I	55	-10980	-15	80	0	278	20	204.1	86.8	6.8	0.0	290.9	1	
1J	55	-10980	14	80	0	278	-15	204.1	82.6	6.8	0.0	286.7	1	
1K	55	-10980	-15	-246	0	-278	20	204.1	86.8	20.9	0.0	290.9	1	
1L	55	-10980	14	-246	0	-278	-15	204.1	82.6	20.9	0.0	286.7	1	
1M	55	7022	-15	80	0	278	20	130.5	86.8	6.8	0.0	217.4	1	
1N	55	7022	14	80	0	278	-15	130.5	82.6	6.8	0.0	213.1	1	
1O	55	7022	-15	-246	0	-278	20	130.5	86.8	20.9	0.0	217.3	1	
1P	55	7022	14	-246	0	-278	-15	130.5	82.6	20.9	0.0	213.1	1	
2	55	-5688	-6	-520	0	-17	16	105.7	16.6	44.1	0.0	130.8	4	
7	55	-4478	-6	-451	0	-13	14	83.2	13.5	38.2	0.0	106.6	4	
8	55	-4548	-4	-399	0	-18	13	84.5	14.0	33.8	0.0	103.1	4	
1A	111	-7969	-23	5	0	142	42	148.1	67.8	0.9	0.0	215.9	1	

1B	111	-7969	22	5	0	142	-37	148.1	64.0	0.8	0.0	212.1	1
1C	111	-7969	-23	-171	0	-50	42	148.1	44.1	14.5	0.0	192.2	1
1D	111	-7969	22	-171	0	-50	-37	148.1	40.3	14.5	0.0	188.5	1
1E	111	4057	-23	5	0	142	42	75.4	67.8	0.9	0.0	143.2	1
1F	111	4057	22	5	0	142	-37	75.4	64.0	0.8	0.0	139.4	1
1G	111	4057	-23	-171	0	-50	42	75.4	44.1	14.5	0.0	119.5	1
1H	111	4057	22	-171	0	-50	-37	75.4	40.3	14.5	0.0	115.7	1
1I	111	-10957	-15	80	0	242	24	203.7	80.2	6.8	0.0	283.9	1
1J	111	-10957	14	80	0	242	-19	203.7	76.4	6.8	0.0	280.1	1
1K	111	-10957	-15	-246	0	-150	24	203.7	56.6	20.9	0.0	260.2	1
1L	111	-10957	14	-246	0	-150	-19	203.7	52.8	20.9	0.0	256.4	1
1M	111	7045	-15	80	0	242	24	130.9	80.2	6.8	0.0	211.2	1
1N	111	7045	14	80	0	242	-19	130.9	76.4	6.8	0.0	207.4	1
1O	111	7045	-15	-246	0	-150	24	130.9	56.6	20.9	0.0	187.5	1
1P	111	7045	14	-246	0	-150	-19	130.9	52.8	20.9	0.0	183.7	1
2	111	-5658	-6	-520	0	271	13	105.2	79.4	44.1	0.0	184.5	1
7	111	-4447	-6	-451	0	236	10	82.7	68.7	38.2	0.0	151.3	1
8	111	-4518	-4	-399	0	203	10	84.0	59.9	33.8	0.0	143.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8015	123	38	23	23	14	1.03	1.00	213.7	
1B	-8015	123	32	23	23	14	1.03	1.00	209.5	
1C	-8015	132	38	23	23	14	1.03	1.00	215.9	
1D	-8015	132	32	23	23	14	1.03	1.00	211.8	
1E	4057	123	38	23	23	14	1.00	1.00	135.5	
1F	4057	123	32	23	23	14	1.00	1.00	131.4	
1G	4057	132	38	23	23	14	1.00	1.00	137.7	
1H	4057	132	32	23	23	14	1.00	1.00	133.6	
1I	-11003	286	21	23	23	14	1.03	1.00	300.1	
1J	-11003	286	16	23	23	14	1.03	1.00	296.0	
1K	-11003	304	21	23	23	14	1.03	1.00	304.8	
1L	-11003	304	16	23	23	14	1.03	1.00	300.7	
1M	7045	286	21	23	23	14	1.00	1.00	220.2	
1N	7045	286	16	23	23	14	1.00	1.00	216.1	
1O	7045	304	21	23	23	14	1.00	1.00	224.9	
1P	7045	304	16	23	23	14	1.00	1.00	220.8	
2	-5718	122	17	23	23	14	1.03	1.00	153.6	
7	-4508	105	14	23	23	14	1.03	1.00	124.0	
8	-4578	95	13	23	23	14	1.03	1.00	122.0	

ASTA NUM. 412 NI 250 NF 249 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7847	-8	132	0	172	43	145.9	76.6	11.2	0.0	222.4	1	
1B	0	-7847	7	132	0	172	-38	145.9	72.9	11.2	0.0	218.8	1	
1C	0	-7847	-8	-141	0	-133	43	145.9	66.5	12.0	0.0	212.3	1	
1D	0	-7847	7	-141	0	-133	-38	145.9	62.8	12.0	0.0	208.7	1	
1E	0	3727	-8	132	0	172	43	69.3	76.6	11.2	0.0	145.9	1	
1F	0	3727	7	132	0	172	-38	69.3	72.9	11.2	0.0	142.2	1	
1G	0	3727	-8	-141	0	-133	43	69.3	66.5	12.0	0.0	135.8	1	
1H	0	3727	7	-141	0	-133	-38	69.3	62.8	12.0	0.0	132.1	1	
1I	0	-10720	-11	133	0	301	26	199.2	97.3	11.3	0.0	296.6	1	
1J	0	-10720	10	133	0	301	-22	199.2	93.6	11.3	0.0	292.9	1	
1K	0	-10720	-11	-142	0	-262	26	199.2	87.2	12.1	0.0	286.5	1	
1L	0	-10720	10	-142	0	-262	-22	199.2	83.6	12.1	0.0	282.8	1	
1M	0	6600	-11	133	0	301	26	122.7	97.3	11.3	0.0	220.0	1	
1N	0	6600	10	133	0	301	-22	122.7	93.6	11.3	0.0	216.3	1	
1O	0	6600	-11	-142	0	-262	26	122.7	87.2	12.1	0.0	209.9	1	
1P	0	6600	10	-142	0	-262	-22	122.7	83.6	12.1	0.0	206.2	1	
2	0	-6510	-6	-180	0	57	14	121.0	25.1	15.3	0.0	146.1	1	
7	0	-5189	-5	-160	0	50	11	96.4	21.3	13.6	0.0	117.7	1	
8	0	-5161	-4	-131	0	41	11	95.9	18.7	11.1	0.0	114.6	1	
1A	55	-7824	-8	132	0	143	43	145.4	68.7	11.2	0.0	214.1	1	
1B	55	-7824	7	132	0	143	-38	145.4	65.3	11.2	0.0	210.7	1	
1C	55	-7824	-8	-141	0	-98	43	145.4	57.3	12.0	0.0	202.7	1	
1D	55	-7824	7	-141	0	-98	-38	145.4	53.9	12.0	0.0	199.3	1	
1E	55	3751	-8	132	0	143	43	69.7	68.7	11.2	0.0	138.4	1	
1F	55	3751	7	132	0	143	-38	69.7	65.3	11.2	0.0	135.0	1	
1G	55	3751	-8	-141	0	-98	43	69.7	57.3	12.0	0.0	127.0	1	
1H	55	3751	7	-141	0	-98	-38	69.7	53.9	12.0	0.0	123.6	1	
1I	55	-10696	-11	133	0	241	30	198.8	84.5	11.3	0.0	283.3	1	
1J	55	-10696	10	133	0	241	-26	198.8	81.1	11.3	0.0	280.0	1	
1K	55	-10696	-11	-142	0	-196	30	198.8	73.1	12.1	0.0	271.9	1	
1L	55	-10696	10	-142	0	-196	-26	198.8	69.7	12.1	0.0	268.5	1	
1M	55	6623	-11	133	0	241	30	123.1	84.5	11.3	0.0	207.6	1	
1N	55	6623	10	133	0	241	-26	123.1	81.1	11.3	0.0	204.3	1	
1O	55	6623	-11	-142	0	-196	30	123.1	73.1	12.1	0.0	196.2	1	
1P	55	6623	10	-142	0	-196	-26	123.1	69.7	12.1	0.0	192.8	1	
2	55	-6480	-6	-180	0	157	11	120.4	48.4	15.3	0.0	168.8	1	
7	55	-5158	-5	-160	0	139	8	95.9	41.9	13.6	0.0	137.8	1	
8	55	-5131	-4	-131	0	114	9	95.4	35.7	11.1	0.0	131.1	1	
1A	111	-7800	-8	132	0	114	42	145.0	60.8	11.2	0.0	205.8	1	
1B	111	-7800	7	132	0	114	-38	145.0	57.7	11.2	0.0	202.7	1	

1C	111	-7800	-8	-141	0	-64	42	145.0	48.1	12.0	0.0	193.0	1
1D	111	-7800	7	-141	0	-64	-38	145.0	44.9	12.0	0.0	189.9	1
1E	111	3774	-8	132	0	114	42	70.2	60.8	11.2	0.0	130.9	1
1F	111	3774	7	132	0	114	-38	70.2	57.7	11.2	0.0	127.8	1
1G	111	3774	-8	-141	0	-64	42	70.2	48.1	12.0	0.0	118.2	1
1H	111	3774	7	-141	0	-64	-38	70.2	44.9	12.0	0.0	115.1	1
1I	111	-10672	-11	133	0	181	34	198.4	71.8	11.3	0.0	270.1	1
1J	111	-10672	10	133	0	181	-30	198.4	68.6	11.3	0.0	267.0	1
1K	111	-10672	-11	-142	0	-131	34	198.4	59.0	12.1	0.0	257.4	1
1L	111	-10672	10	-142	0	-131	-30	198.4	55.9	12.1	0.0	254.3	1
1M	111	6646	-11	133	0	181	34	123.5	71.8	11.3	0.0	195.3	1
1N	111	6646	10	133	0	181	-30	123.5	68.6	11.3	0.0	192.2	1
1O	111	6646	-11	-142	0	-131	34	123.5	59.0	12.1	0.0	182.6	1
1P	111	6646	10	-142	0	-131	-30	123.5	55.9	12.1	0.0	179.5	1
2	111	-6449	-6	-180	0	256	8	119.9	71.7	15.3	0.0	191.5	1
7	111	-5128	-5	-160	0	227	5	95.3	62.5	13.6	0.0	157.8	1
8	111	-5101	-4	-131	0	186	7	94.8	52.8	11.1	0.0	147.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7847	149	43	23	23	14	1.03	1.00	220.7	
1B	-7847	149	38	23	23	14	1.03	1.00	217.2	
1C	-7847	105	43	23	23	14	1.03	1.00	209.5	
1D	-7847	105	38	23	23	14	1.03	1.00	206.1	
1E	3774	149	43	23	23	14	1.00	1.00	140.4	
1F	3774	149	38	23	23	14	1.00	1.00	137.0	
1G	3774	105	43	23	23	14	1.00	1.00	129.3	
1H	3774	105	38	23	23	14	1.00	1.00	125.8	
1I	-10720	253	31	23	23	14	1.03	1.00	293.6	
1J	-10720	253	26	23	23	14	1.03	1.00	290.3	
1K	-10720	210	31	23	23	14	1.03	1.00	282.5	
1L	-10720	210	26	23	23	14	1.03	1.00	279.1	
1M	6646	253	31	23	23	14	1.00	1.00	211.7	
1N	6646	253	26	23	23	14	1.00	1.00	208.4	
1O	6646	210	31	23	23	14	1.00	1.00	200.6	
1P	6646	210	26	23	23	14	1.00	1.00	197.2	
2	-6510	176	11	23	23	14	1.03	1.00	178.7	
7	-5189	157	9	23	23	14	1.03	1.00	146.3	
8	-5161	128	9	23	23	14	1.03	1.00	138.6	

ASTA NUM. 413 NI 249 NF 248 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6210	-19	-18	0	88	57	115.4	65.2	1.6	0.0	180.6	1	
1B	0	-6210	15	-18	0	88	-52	115.4	61.2	1.6	0.0	176.6	1	
1C	0	-6210	-19	-144	0	-91	57	115.4	66.0	12.2	0.0	181.4	1	
1D	0	-6210	15	-144	0	-91	-52	115.4	62.0	12.2	0.0	177.4	1	
1E	0	-762	-19	-18	0	88	57	14.2	65.2	1.6	0.0	79.3	1	
1F	0	-762	15	-18	0	88	-52	14.2	61.2	1.6	0.0	75.4	1	
1G	0	-762	-19	-144	0	-91	57	14.2	66.0	12.2	0.0	80.1	1	
1H	0	-762	15	-144	0	-91	-52	14.2	62.0	12.2	0.0	76.2	1	
1I	0	-7435	-13	68	0	223	45	138.2	90.8	5.8	0.0	229.0	1	
1J	0	-7435	9	68	0	223	-39	138.2	86.8	5.8	0.0	225.0	1	
1K	0	-7435	-13	-231	0	-226	45	138.2	91.6	19.6	0.0	229.8	1	
1L	0	-7435	9	-231	0	-226	-39	138.2	87.6	19.6	0.0	225.8	1	
1M	0	463	-13	68	0	223	45	8.6	90.8	5.8	0.0	99.4	1	
1N	0	463	9	68	0	223	-39	8.6	86.8	5.8	0.0	95.4	1	
1O	0	463	-13	-231	0	-226	45	8.6	91.6	19.6	0.0	100.2	1	
1P	0	463	9	-231	0	-226	-39	8.6	87.6	19.6	0.0	96.2	1	
2	0	-16780	-16	-428	0	70	11	311.9	26.4	36.3	0.0	338.3	1	
7	0	-13920	-14	-356	0	69	8	258.7	23.7	30.2	0.0	282.4	1	
8	0	-13000	-12	-333	0	44	9	241.6	18.1	28.3	0.0	259.8	1	
1A	55	-6187	-19	-18	0	99	48	115.0	61.1	1.6	0.0	176.1	1	
1B	55	-6187	15	-18	0	99	-44	115.0	58.8	1.6	0.0	173.8	1	
1C	55	-6187	-19	-144	0	-12	48	115.0	38.8	12.2	0.0	153.8	1	
1D	55	-6187	15	-144	0	-12	-44	115.0	36.5	12.2	0.0	151.5	1	
1E	55	-739	-19	-18	0	99	48	13.7	61.1	1.6	0.0	74.9	1	
1F	55	-739	15	-18	0	99	-44	13.7	58.8	1.6	0.0	72.5	1	
1G	55	-739	-19	-144	0	-12	48	13.7	38.8	12.2	0.0	52.5	1	
1H	55	-739	15	-144	0	-12	-44	13.7	36.5	12.2	0.0	50.2	1	
1I	55	-7412	-13	68	0	186	41	137.8	78.5	5.8	0.0	216.2	1	
1J	55	-7412	9	68	0	186	-38	137.8	76.1	5.8	0.0	213.9	1	
1K	55	-7412	-13	-231	0	-99	41	137.8	56.1	19.6	0.0	193.9	1	
1L	55	-7412	9	-231	0	-99	-38	137.8	53.8	19.6	0.0	191.6	1	
1M	55	486	-13	68	0	186	41	9.0	78.5	5.8	0.0	87.5	1	
1N	55	486	9	68	0	186	-38	9.0	76.1	5.8	0.0	85.2	1	
1O	55	486	-13	-231	0	-99	41	9.0	56.1	19.6	0.0	65.2	1	
1P	55	486	9	-231	0	-99	-38	9.0	53.8	19.6	0.0	62.8	1	
2	55	-16750	-16	-428	0	307	2	311.3	80.6	36.3	0.0	392.0	1	
7	55	-13890	-14	-356	0	266	0	258.2	68.8	30.2	0.0	326.9	1	
8	55	-12970	-12	-333	0	228	3	241.1	60.7	28.3	0.0	301.8	1	
1A	111	-6164	-19	-18	0	111	38	114.6	57.1	1.6	0.0	171.6	1	
1B	111	-6164	15	-18	0	111	-37	114.6	56.4	1.6	0.0	171.0	1	
1C	111	-6164	-19	-144	0	66	38	114.6	45.5	12.2	0.0	160.1	1	

1D	111	-6164	15	-144	0	66	-37	114.6	44.8	12.2	0.0	159.4	1
1E	111	-716	-19	-18	0	111	38	13.3	57.1	1.6	0.0	70.4	1
1F	111	-716	15	-18	0	111	-37	13.3	56.4	1.6	0.0	69.7	1
1G	111	-716	-19	-144	0	66	38	13.3	45.5	12.2	0.0	58.8	1
1H	111	-716	15	-144	0	66	-37	13.3	44.8	12.2	0.0	58.1	1
1I	111	-7389	-13	68	0	149	37	137.3	66.1	5.8	0.0	203.5	1
1J	111	-7389	9	68	0	149	-36	137.3	65.5	5.8	0.0	202.8	1
1K	111	-7389	-13	-231	0	28	37	137.3	35.2	19.6	0.0	172.5	1
1L	111	-7389	9	-231	0	28	-36	137.3	34.5	19.6	0.0	171.8	1
1M	111	509	-13	68	0	149	37	9.5	66.1	5.8	0.0	75.6	1
1N	111	509	9	68	0	149	-36	9.5	65.5	5.8	0.0	74.9	1
1O	111	509	-13	-231	0	28	37	9.5	35.2	19.6	0.0	44.6	1
1P	111	509	9	-231	0	28	-36	9.5	34.5	19.6	0.0	43.9	1
2	111	-16720	-16	-428	0	543	-7	310.8	144.8	36.3	0.0	455.5	1
7	111	-13860	-14	-356	0	464	-7	257.6	124.8	30.2	0.0	382.4	1
8	111	-12940	-12	-333	0	413	-4	240.5	109.1	28.3	0.0	349.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6210	102	49	23	23	14	1.03	1.00	182.2	
1B	-6210	102	46	23	23	14	1.03	1.00	179.5	
1C	-6210	36	49	23	23	14	1.03	1.00	165.4	
1D	-6210	36	46	23	23	14	1.03	1.00	162.7	
1E	-762	102	49	23	23	14	1.03	1.00	77.7	
1F	-762	102	46	23	23	14	1.03	1.00	75.1	
1G	-762	36	49	23	23	14	1.03	1.00	60.9	
1H	-762	36	46	23	23	14	1.03	1.00	58.3	
1I	-7435	193	42	23	23	14	1.03	1.00	223.5	
1J	-7435	193	38	23	23	14	1.03	1.00	220.8	
1K	-7435	124	42	23	23	14	1.03	1.00	205.7	
1L	-7435	124	38	23	23	14	1.03	1.00	203.0	
1M	509	193	42	23	23	14	1.00	1.00	90.4	
1N	509	193	38	23	23	14	1.00	1.00	87.7	
1O	509	124	42	23	23	14	1.00	1.00	72.7	
1P	509	124	38	23	23	14	1.00	1.00	70.0	
2	-16780	354	4	23	23	14	1.03	1.00	416.0	
7	-13920	306	3	23	23	14	1.03	1.00	347.8	
8	-13000	265	4	23	23	14	1.03	1.00	320.3	

ASTA NUM. 414 NI 248 NF 247 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6046	-30	102	0	137	57	112.4	78.0	8.7	0.0	190.4	1	
1B	0	-6046	26	102	0	137	-55	112.4	76.0	8.7	0.0	188.4	1	
1C	0	-6046	-30	-120	0	-12	57	112.4	46.1	10.2	0.0	158.4	1	
1D	0	-6046	26	-120	0	-12	-55	112.4	44.0	10.2	0.0	156.4	1	
1E	0	-1040	-30	102	0	137	57	19.3	78.0	8.7	0.0	97.4	1	
1F	0	-1040	26	102	0	137	-55	19.3	76.0	8.7	0.0	95.4	1	
1G	0	-1040	-30	-120	0	-12	57	19.3	46.1	10.2	0.0	65.4	1	
1H	0	-1040	26	-120	0	-12	-55	19.3	44.0	10.2	0.0	63.4	1	
1I	0	-7159	-17	127	0	204	49	133.1	89.5	10.8	0.0	222.6	1	
1J	0	-7159	13	127	0	204	-47	133.1	87.5	10.8	0.0	220.5	1	
1K	0	-7159	-17	-144	0	-80	49	133.1	57.5	12.2	0.0	190.6	1	
1L	0	-7159	13	-144	0	-80	-47	133.1	55.5	12.2	0.0	188.6	1	
1M	0	73	-17	127	0	204	49	1.4	89.5	10.8	0.0	90.8	1	
1N	0	73	13	127	0	204	-47	1.4	87.5	10.8	0.0	88.8	1	
1O	0	73	-17	-144	0	-80	49	1.4	57.5	12.2	0.0	58.9	1	
1P	0	73	13	-144	0	-80	-47	1.4	55.5	12.2	0.0	56.9	1	
2	0	-17340	-16	-96	0	388	-3	322.3	102.0	8.1	0.0	424.3	1	
7	0	-14370	-14	-75	0	336	-5	267.1	89.9	6.4	0.0	357.0	1	
8	0	-13420	-12	-74	0	292	-1	249.4	75.9	6.2	0.0	325.3	1	
1A	55	-6022	-30	102	0	77	52	111.9	59.0	8.7	0.0	170.9	1	
1B	55	-6022	26	102	0	77	-52	111.9	58.6	8.7	0.0	170.5	1	
1C	55	-6022	-30	-120	0	57	52	111.9	54.0	10.2	0.0	166.0	1	
1D	55	-6022	26	-120	0	57	-52	111.9	53.6	10.2	0.0	165.6	1	
1E	55	-1017	-30	102	0	77	52	18.9	59.0	8.7	0.0	77.9	1	
1F	55	-1017	26	102	0	77	-52	18.9	58.6	8.7	0.0	77.5	1	
1G	55	-1017	-30	-120	0	57	52	18.9	54.0	10.2	0.0	72.9	1	
1H	55	-1017	26	-120	0	57	-52	18.9	53.6	10.2	0.0	72.5	1	
1I	55	-7136	-17	127	0	124	48	132.6	68.1	10.8	0.0	200.8	1	
1J	55	-7136	13	127	0	124	-48	132.6	67.7	10.8	0.0	200.4	1	
1K	55	-7136	-17	-144	0	10	48	132.6	38.7	12.2	0.0	171.4	1	
1L	55	-7136	13	-144	0	10	-48	132.6	38.3	12.2	0.0	171.0	1	
1M	55	97	-17	127	0	124	48	1.8	68.1	10.8	0.0	69.9	1	
1N	55	97	13	127	0	124	-48	1.8	67.7	10.8	0.0	69.5	1	
1O	55	97	-17	-144	0	10	48	1.8	38.7	12.2	0.0	40.5	1	
1P	55	97	13	-144	0	10	-48	1.8	38.3	12.2	0.0	40.1	1	
2	55	-17310	-16	-96	0	441	-12	321.7	122.4	8.1	0.0	444.2	1	
7	55	-14340	-14	-75	0	378	-12	266.5	106.5	6.4	0.0	373.0	1	
8	55	-13390	-12	-74	0	333	-7	248.9	91.2	6.2	0.0	340.1	1	
1A	111	-5999	-30	102	0	17	48	111.5	39.9	8.7	0.0	151.4	1	
1B	111	-5999	26	102	0	17	-49	111.5	41.1	8.7	0.0	152.6	1	
1C	111	-5999	-30	-120	0	127	48	111.5	68.3	10.2	0.0	179.8	1	
1D	111	-5999	26	-120	0	127	-49	111.5	69.6	10.2	0.0	181.1	1	

1E	111	-993	-30	102	0	17	48	18.5	39.9	8.7	0.0	58.4	1
1F	111	-993	26	102	0	17	-49	18.5	41.1	8.7	0.0	59.6	1
1G	111	-993	-30	-120	0	127	48	18.5	68.3	10.2	0.0	86.8	1
1H	111	-993	26	-120	0	127	-49	18.5	69.6	10.2	0.0	88.0	1
1I	111	-7112	-17	127	0	44	47	132.2	46.8	10.8	0.0	179.0	1
1J	111	-7112	13	127	0	44	-49	132.2	48.0	10.8	0.0	180.2	1
1K	111	-7112	-17	-144	0	99	47	132.2	60.9	12.2	0.0	193.1	1
1L	111	-7112	13	-144	0	99	-49	132.2	62.1	12.2	0.0	194.3	1
1M	111	120	-17	127	0	44	47	2.2	46.8	10.8	0.0	49.0	1
1N	111	120	13	127	0	44	-49	2.2	48.0	10.8	0.0	50.3	1
1O	111	120	-17	-144	0	99	47	2.2	60.9	12.2	0.0	63.1	1
1P	111	120	13	-144	0	99	-49	2.2	62.1	12.2	0.0	64.4	1
2	111	-17280	-16	-96	0	494	-21	321.2	142.9	8.1	0.0	464.1	1
7	111	-14310	-14	-75	0	419	-20	266.0	123.1	6.4	0.0	389.1	1
8	111	-13360	-12	-74	0	374	-14	248.3	106.6	6.2	0.0	354.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6046	89	53	23	23	14	1.03	1.00	178.7	
1B	-6046	89	52	23	23	14	1.03	1.00	177.9	
1C	-6046	71	53	23	23	14	1.03	1.00	174.2	
1D	-6046	71	52	23	23	14	1.03	1.00	173.5	
1E	-1040	89	53	23	23	14	1.03	1.00	82.7	
1F	-1040	89	52	23	23	14	1.03	1.00	82.0	
1G	-1040	71	53	23	23	14	1.03	1.00	78.3	
1H	-1040	71	52	23	23	14	1.03	1.00	77.5	
1I	-7159	140	49	23	23	14	1.03	1.00	209.6	
1J	-7159	140	48	23	23	14	1.03	1.00	209.2	
1K	-7159	40	49	23	23	14	1.03	1.00	183.8	
1L	-7159	40	48	23	23	14	1.03	1.00	183.4	
1M	120	140	49	23	23	14	1.00	1.00	74.7	
1N	120	140	48	23	23	14	1.00	1.00	74.2	
1O	120	40	49	23	23	14	1.00	1.00	48.8	
1P	120	40	48	23	23	14	1.00	1.00	48.4	
2	-17340	452	14	23	23	14	1.03	1.00	459.0	
7	-14370	386	14	23	23	14	1.03	1.00	385.2	
8	-13420	341	9	23	23	14	1.03	1.00	351.5	

ASTA NUM. 415 NI 247 NF 246 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5445	-82	-16	0	77	85	101.2	83.1	3.1	0.0	184.3	1	
1B	0	-5445	64	-16	0	77	-84	101.2	83.0	2.4	0.0	184.2	1	
1C	0	-5445	-82	-170	0	15	85	101.2	67.3	14.4	0.0	168.5	1	
1D	0	-5445	64	-170	0	15	-84	101.2	67.2	14.4	0.0	168.4	1	
1E	0	-4355	-82	-16	0	77	85	80.9	83.1	3.1	0.0	164.1	1	
1F	0	-4355	64	-16	0	77	-84	80.9	83.0	2.4	0.0	164.0	1	
1G	0	-4355	-82	-170	0	15	85	80.9	67.3	14.4	0.0	148.2	1	
1H	0	-4355	64	-170	0	15	-84	80.9	67.2	14.4	0.0	148.1	1	
1I	0	-5750	-77	62	0	124	74	106.9	87.0	5.3	0.0	193.9	1	
1J	0	-5750	58	62	0	124	-73	106.9	86.9	5.3	0.0	193.7	1	
1K	0	-5750	-77	-248	0	-32	74	106.9	63.2	21.0	0.0	170.1	1	
1L	0	-5750	58	-248	0	-32	-73	106.9	63.1	21.0	0.0	170.0	1	
1M	0	-4050	-77	62	0	124	74	75.3	87.0	5.3	0.0	162.3	1	
1N	0	-4050	58	62	0	124	-73	75.3	86.9	5.3	0.0	162.2	1	
1O	0	-4050	-77	-248	0	-32	74	75.3	63.2	21.0	0.0	138.5	1	
1P	0	-4050	58	-248	0	-32	-73	75.3	63.1	21.0	0.0	138.4	1	
2	0	-24080	-52	-392	0	370	-18	447.6	108.7	33.3	0.0	556.3	1	
7	0	-19630	-41	-305	0	322	-19	364.9	97.1	25.9	0.0	462.0	1	
8	0	-18750	-39	-314	0	275	-11	348.5	79.2	26.6	0.0	427.7	1	
1A	55	-5422	-82	-16	0	80	52	100.8	59.8	3.1	0.0	160.6	1	
1B	55	-5422	64	-16	0	80	-63	100.8	67.4	2.4	0.0	168.1	1	
1C	55	-5422	-82	-170	0	115	52	100.8	69.0	14.4	0.0	169.7	1	
1D	55	-5422	64	-170	0	115	-63	100.8	76.5	14.4	0.0	177.3	1	
1E	55	-4331	-82	-16	0	80	52	80.5	59.8	3.1	0.0	140.3	1	
1F	55	-4331	64	-16	0	80	-63	80.5	67.4	2.4	0.0	147.9	1	
1G	55	-4331	-82	-170	0	115	52	80.5	69.0	14.4	0.0	149.5	1	
1H	55	-4331	64	-170	0	115	-63	80.5	76.5	14.4	0.0	157.0	1	
1I	55	-5726	-77	62	0	87	15	106.4	33.6	5.3	0.0	140.0	1	
1J	55	-5726	58	62	0	87	-25	106.4	41.1	5.3	0.0	147.6	1	
1K	55	-5726	-77	-248	0	108	15	106.4	38.9	21.0	0.0	145.3	1	
1L	55	-5726	58	-248	0	108	-25	106.4	46.4	21.0	0.0	152.9	1	
1M	55	-4027	-77	62	0	87	15	74.8	33.6	5.3	0.0	108.4	1	
1N	55	-4027	58	62	0	87	-25	74.8	41.1	5.3	0.0	116.0	1	
1O	55	-4027	-77	-248	0	108	15	74.8	38.9	21.0	0.0	113.7	1	
1P	55	-4027	58	-248	0	108	-25	74.8	46.4	21.0	0.0	121.3	1	
2	55	-24050	-52	-392	0	587	-47	447.0	186.0	33.3	0.0	633.0	1	
7	55	-19600	-41	-305	0	491	-42	364.3	157.6	25.9	0.0	521.9	1	
8	55	-18720	-39	-314	0	448	-33	348.0	140.2	26.6	0.0	488.2	1	
1A	111	-5398	-82	-16	0	82	20	100.3	36.4	3.1	0.0	136.8	1	
1B	111	-5398	64	-16	0	82	-41	100.3	51.7	2.4	0.0	152.0	1	
1C	111	-5398	-82	-170	0	215	20	100.3	70.7	14.4	0.0	171.0	1	
1D	111	-5398	64	-170	0	215	-41	100.3	85.9	14.4	0.0	186.3	1	
1E	111	-4308	-82	-16	0	82	20	80.1	36.4	3.1	0.0	116.5	1	

1F	111	-4308	64	-16	0	82	-41	80.1	51.7	2.4	0.0	131.8	1
1G	111	-4308	-82	-170	0	215	20	80.1	70.7	14.4	0.0	150.7	1
1H	111	-4308	64	-170	0	215	-41	80.1	85.9	14.4	0.0	166.0	1
1I	111	-5703	-77	62	0	51	-44	106.0	45.9	5.3	0.0	151.9	1
1J	111	-5703	58	62	0	51	24	106.0	30.6	5.3	0.0	136.6	1
1K	111	-5703	-77	-248	0	247	-44	106.0	96.5	21.0	0.0	202.5	1
1L	111	-5703	58	-248	0	247	24	106.0	81.2	21.0	0.0	187.2	1
1M	111	-4003	-77	62	0	51	-44	74.4	45.9	5.3	0.0	120.3	1
1N	111	-4003	58	62	0	51	24	74.4	30.6	5.3	0.0	105.0	1
1O	111	-4003	-77	-248	0	247	-44	74.4	96.5	21.0	0.0	170.9	1
1P	111	-4003	58	-248	0	247	24	74.4	81.2	21.0	0.0	155.6	1
2	111	-24020	-52	-392	0	804	-75	446.5	263.3	33.3	0.0	709.7	1
7	111	-19570	-41	-305	0	660	-64	363.8	218.0	25.9	0.0	581.8	1
8	111	-18690	-39	-314	0	622	-55	347.4	201.2	26.6	0.0	548.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5445	80	59	23	23	14	1.03	1.00	169.1	
1B	-5445	80	67	23	23	14	1.03	1.00	175.2	
1C	-5445	135	59	23	23	14	1.03	1.00	183.3	
1D	-5445	135	67	23	23	14	1.03	1.00	189.4	
1E	-4355	80	59	23	23	14	1.03	1.00	148.2	
1F	-4355	80	67	23	23	14	1.03	1.00	154.3	
1G	-4355	135	59	23	23	14	1.03	1.00	162.4	
1H	-4355	135	67	23	23	14	1.03	1.00	168.5	
1I	-5750	95	29	23	23	14	1.03	1.00	156.5	
1J	-5750	95	35	23	23	14	1.03	1.00	160.5	
1K	-5750	136	29	23	23	14	1.03	1.00	167.1	
1L	-5750	136	35	23	23	14	1.03	1.00	171.1	
1M	-4050	95	29	23	23	14	1.03	1.00	124.0	
1N	-4050	95	35	23	23	14	1.03	1.00	127.9	
1O	-4050	136	29	23	23	14	1.03	1.00	134.6	
1P	-4050	136	35	23	23	14	1.03	1.00	138.5	
2	-24080	630	53	23	23	14	1.03	1.00	663.6	
7	-19630	525	46	23	23	14	1.03	1.00	546.3	
8	-18750	483	38	23	23	14	1.03	1.00	512.0	

ASTA NUM. 416 NI 246 NF 245 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5654	-73	81	0	148	41	105.1	68.8	6.8	0.0	173.9	1	
1B	0	-5654	53	81	0	148	-62	105.1	84.4	6.8	0.0	189.5	1	
1C	0	-5654	-73	-264	0	110	41	105.1	58.9	22.3	0.0	164.0	1	
1D	0	-5654	53	-264	0	110	-62	105.1	74.5	22.3	0.0	179.6	1	
1E	0	-4208	-73	81	0	148	41	78.2	68.8	6.8	0.0	147.0	1	
1F	0	-4208	53	81	0	148	-62	78.2	84.4	6.8	0.0	162.6	1	
1G	0	-4208	-73	-264	0	110	41	78.2	58.9	22.3	0.0	137.1	1	
1H	0	-4208	53	-264	0	110	-62	78.2	74.5	22.3	0.0	152.7	1	
1I	0	-6048	-74	146	0	159	36	112.4	68.1	12.4	0.0	180.5	1	
1J	0	-6048	54	146	0	159	-57	112.4	83.7	12.4	0.0	196.1	1	
1K	0	-6048	-74	-329	0	98	36	112.4	52.5	27.9	0.0	164.9	1	
1L	0	-6048	54	-329	0	98	-57	112.4	68.1	27.9	0.0	180.5	1	
1M	0	-3814	-74	146	0	159	36	70.9	68.1	12.4	0.0	139.0	1	
1N	0	-3814	54	146	0	159	-57	70.9	83.7	12.4	0.0	154.6	1	
1O	0	-3814	-74	-329	0	98	36	70.9	52.5	27.9	0.0	123.4	1	
1P	0	-3814	54	-329	0	98	-57	70.9	68.1	27.9	0.0	139.0	1	
2	0	-24300	-59	-299	0	733	-81	451.7	249.2	25.3	0.0	700.8	1	
7	0	-19770	-47	-226	0	610	-70	367.5	209.7	19.2	0.0	577.2	1	
8	0	-18930	-45	-248	0	563	-59	351.9	188.7	21.1	0.0	540.5	1	
1A	55	-5631	-73	81	0	293	-24	104.7	93.6	6.8	0.0	198.2	1	
1B	55	-5631	53	81	0	293	-8	104.7	81.1	6.8	0.0	185.8	1	
1C	55	-5631	-73	-264	0	66	-24	104.7	35.3	22.3	0.0	140.0	1	
1D	55	-5631	53	-264	0	66	-8	104.7	22.9	22.3	0.0	127.5	1	
1E	55	-4185	-73	81	0	293	-24	77.8	93.6	6.8	0.0	171.4	1	
1F	55	-4185	53	81	0	293	-8	77.8	81.1	6.8	0.0	158.9	1	
1G	55	-4185	-73	-264	0	66	-24	77.8	35.3	22.3	0.0	113.1	1	
1H	55	-4185	53	-264	0	66	-8	77.8	22.9	22.3	0.0	100.7	1	
1I	55	-6025	-74	146	0	340	44	112.0	120.8	12.4	0.0	232.8	1	
1J	55	-6025	54	146	0	340	-77	112.0	144.9	12.4	0.0	256.9	1	
1K	55	-6025	-74	-329	0	18	44	112.0	38.0	27.9	0.0	150.0	1	
1L	55	-6025	54	-329	0	18	-77	112.0	62.1	27.9	0.0	174.1	1	
1M	55	-3791	-74	146	0	340	44	70.5	120.8	12.4	0.0	191.3	1	
1N	55	-3791	54	146	0	340	-77	70.5	144.9	12.4	0.0	215.4	1	
1O	55	-3791	-74	-329	0	18	44	70.5	38.0	27.9	0.0	108.5	1	
1P	55	-3791	54	-329	0	18	-77	70.5	62.1	27.9	0.0	132.6	1	
2	55	-24270	-59	-299	0	898	-114	451.1	316.1	25.3	0.0	767.2	1	
7	55	-19740	-47	-226	0	736	-96	366.9	261.5	19.2	0.0	628.4	1	
8	55	-18900	-45	-248	0	700	-83	351.3	242.6	21.1	0.0	593.9	1	
1A	111	-5608	-73	81	0	437	-90	104.2	179.8	6.8	0.0	284.0	1	
1B	111	-5608	53	81	0	437	46	104.2	147.1	6.8	0.0	251.3	1	
1C	111	-5608	-73	-264	0	23	-90	104.2	73.2	22.3	0.0	177.4	1	
1D	111	-5608	53	-264	0	23	46	104.2	40.5	22.3	0.0	144.7	1	
1E	111	-4162	-73	81	0	437	-90	77.4	179.8	6.8	0.0	257.1	1	
1F	111	-4162	53	81	0	437	46	77.4	147.1	6.8	0.0	224.5	1	

1G	111	-4162	-73	-264	0	23	-90	77.4	73.2	22.3	0.0	150.5	1
1H	111	-4162	53	-264	0	23	46	77.4	40.5	22.3	0.0	117.9	1
1I	111	-6002	-74	146	0	522	52	111.6	173.5	12.4	0.0	285.0	1
1J	111	-6002	54	146	0	522	-96	111.6	206.1	12.4	0.0	317.7	1
1K	111	-6002	-74	-329	0	-62	52	111.6	55.1	27.9	0.0	166.7	1
1L	111	-6002	54	-329	0	-62	-96	111.6	87.8	27.9	0.0	199.3	1
1M	111	-3768	-74	146	0	522	52	70.0	173.5	12.4	0.0	243.5	1
1N	111	-3768	54	146	0	522	-96	70.0	206.1	12.4	0.0	276.2	1
1O	111	-3768	-74	-329	0	-62	52	70.0	55.1	27.9	0.0	125.2	1
1P	111	-3768	54	-329	0	-62	-96	70.0	87.8	27.9	0.0	157.8	1
2	111	-24240	-59	-299	0	1063	-146	450.6	383.0	25.3	0.0	833.6	1
7	111	-19710	-47	-226	0	861	-122	366.4	313.2	19.2	0.0	679.6	1
8	111	-18870	-45	-248	0	838	-108	350.7	296.5	21.1	0.0	647.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5654	322	38	23	23	14	1.03	1.00	219.2	
1B	-5654	322	25	23	23	14	1.03	1.00	209.6	
1C	-5654	75	38	23	23	14	1.03	1.00	155.7	
1D	-5654	75	25	23	23	14	1.03	1.00	146.1	
1E	-4208	322	38	23	23	14	1.03	1.00	191.5	
1F	-4208	322	25	23	23	14	1.03	1.00	181.9	
1G	-4208	75	38	23	23	14	1.03	1.00	128.0	
1H	-4208	75	25	23	23	14	1.03	1.00	118.4	
1I	-6048	377	46	23	23	14	1.03	1.00	247.3	
1J	-6048	377	81	23	23	14	1.03	1.00	273.2	
1K	-6048	39	46	23	23	14	1.03	1.00	160.5	
1L	-6048	39	81	23	23	14	1.03	1.00	186.4	
1M	-3814	377	46	23	23	14	1.03	1.00	204.5	
1N	-3814	377	81	23	23	14	1.03	1.00	230.4	
1O	-3814	39	46	23	23	14	1.03	1.00	117.7	
1P	-3814	39	81	23	23	14	1.03	1.00	143.5	
2	-24300	931	120	23	23	14	1.03	1.00	796.8	
7	-19770	761	102	23	23	14	1.03	1.00	651.7	
8	-18930	728	88	23	23	14	1.03	1.00	617.0	

ASTA NUM. 417 NI 212 NF 211 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6855	-15	173	0	117	13	127.4	40.1	14.6	0.0	167.5	1	
1B	0	-6855	9	173	0	117	-16	127.4	41.9	14.6	0.0	169.3	1	
1C	0	-6855	-15	-170	0	-137	13	127.4	45.2	14.4	0.0	172.6	1	
1D	0	-6855	9	-170	0	-137	-16	127.4	47.0	14.4	0.0	174.4	1	
1E	0	6385	-15	173	0	117	13	118.7	40.1	14.6	0.0	158.8	1	
1F	0	6385	9	173	0	117	-16	118.7	41.9	14.6	0.0	160.6	1	
1G	0	6385	-15	-170	0	-137	13	118.7	45.2	14.4	0.0	163.9	1	
1H	0	6385	9	-170	0	-137	-16	118.7	47.0	14.4	0.0	165.7	1	
1I	0	-8846	-13	120	0	184	4	164.4	50.3	10.2	0.0	214.7	1	
1J	0	-8846	8	120	0	184	-6	164.4	52.1	10.2	0.0	216.5	1	
1K	0	-8846	-13	-118	0	-204	4	164.4	55.4	10.0	0.0	219.8	1	
1L	0	-8846	8	-118	0	-204	-6	164.4	57.2	10.0	0.0	221.6	1	
1M	0	8376	-13	120	0	184	4	155.7	50.3	10.2	0.0	206.0	1	
1N	0	8376	8	120	0	184	-6	155.7	52.1	10.2	0.0	207.8	1	
1O	0	8376	-13	-118	0	-204	4	155.7	55.4	10.0	0.0	211.1	1	
1P	0	8376	8	-118	0	-204	-6	155.7	57.2	10.0	0.0	212.9	1	
2	0	7348	-16	-180	0	-208	-8	136.6	59.6	15.2	0.0	196.1	1	
7	0	6627	-15	-165	0	-179	-7	123.2	51.7	14.0	0.0	174.9	1	
8	0	5473	-11	-127	0	-161	-6	101.7	45.5	10.8	0.0	147.3	1	
1A	55	-6832	-15	173	0	-7	18	127.0	15.5	14.6	0.0	142.5	1	
1B	55	-6832	9	173	0	-7	-24	127.0	19.4	14.6	0.0	146.4	1	
1C	55	-6832	-15	-170	0	-15	18	127.0	17.5	14.4	0.0	144.5	1	
1D	55	-6832	9	-170	0	-15	-24	127.0	21.4	14.4	0.0	148.4	1	
1E	55	6408	-15	173	0	-7	18	119.1	15.5	14.6	0.0	134.6	1	
1F	55	6408	9	173	0	-7	-24	119.1	19.4	14.6	0.0	138.6	1	
1G	55	6408	-15	-170	0	-15	18	119.1	17.5	14.4	0.0	136.6	1	
1H	55	6408	9	-170	0	-15	-24	119.1	21.4	14.4	0.0	140.6	1	
1I	55	-8823	-13	120	0	145	8	164.0	43.0	10.2	0.0	207.0	1	
1J	55	-8823	8	120	0	145	-13	164.0	46.9	10.2	0.0	210.9	1	
1K	55	-8823	-13	-118	0	-166	8	164.0	48.5	10.0	0.0	212.5	1	
1L	55	-8823	8	-118	0	-166	-13	164.0	52.4	10.0	0.0	216.4	1	
1M	55	8399	-13	120	0	145	8	156.1	43.0	10.2	0.0	199.1	1	
1N	55	8399	8	120	0	145	-13	156.1	46.9	10.2	0.0	203.1	1	
1O	55	8399	-13	-118	0	-166	8	156.1	48.5	10.0	0.0	204.6	1	
1P	55	8399	8	-118	0	-166	-13	156.1	52.4	10.0	0.0	208.5	1	
2	55	7378	-16	-180	0	-109	-17	137.1	40.7	15.2	0.0	177.9	1	
7	55	6658	-15	-165	0	-88	-16	123.7	34.5	14.0	0.0	158.2	1	
8	55	5503	-11	-127	0	-90	-12	102.3	32.0	10.8	0.0	134.3	1	
1A	111	-6808	-15	173	0	-130	23	126.6	51.1	14.6	0.0	177.6	1	
1B	111	-6808	9	173	0	-130	-32	126.6	57.2	14.6	0.0	183.7	1	
1C	111	-6808	-15	-170	0	108	23	126.6	45.2	14.4	0.0	171.8	1	
1D	111	-6808	9	-170	0	108	-32	126.6	51.3	14.4	0.0	177.9	1	
1E	111	6432	-15	173	0	-130	23	119.5	51.1	14.6	0.0	170.6	1	
1F	111	6432	9	173	0	-130	-32	119.5	57.2	14.6	0.0	176.7	1	
1G	111	6432	-15	-170	0	108	23	119.5	45.2	14.4	0.0	164.7	1	

1H	111	6432	9	-170	0	108	-32	119.5	51.3	14.4	0.0	170.9	1
1I	111	-8799	-13	120	0	106	11	163.6	35.7	10.2	0.0	199.3	1
1J	111	-8799	8	120	0	106	-20	163.6	41.8	10.2	0.0	205.4	1
1K	111	-8799	-13	-118	0	-128	11	163.6	41.6	10.0	0.0	205.1	1
1L	111	-8799	8	-118	0	-128	-20	163.6	47.7	10.0	0.0	211.2	1
1M	111	8422	-13	120	0	106	11	156.5	35.7	10.2	0.0	192.3	1
1N	111	8422	8	120	0	106	-20	156.5	41.8	10.2	0.0	198.4	1
1O	111	8422	-13	-118	0	-128	11	156.5	41.6	10.0	0.0	198.1	1
1P	111	8422	8	-118	0	-128	-20	156.5	47.7	10.0	0.0	204.2	1
2	111	7409	-16	-180	0	-9	-26	137.7	21.8	15.2	0.0	159.6	1
7	111	6688	-15	-165	0	3	-24	124.3	18.7	14.0	0.0	143.0	1
8	111	5533	-11	-127	0	-20	-18	102.8	18.5	10.8	0.0	121.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6855	52	19	23	23	14	1.03	1.00	159.2	
1B	-6855	52	25	23	23	14	1.03	1.00	163.6	
1C	-6855	55	19	23	23	14	1.03	1.00	159.9	
1D	-6855	55	25	23	23	14	1.03	1.00	164.3	
1E	6432	52	19	23	23	14	1.00	1.00	147.5	
1F	6432	52	25	23	23	14	1.00	1.00	151.9	
1G	6432	55	19	23	23	14	1.00	1.00	148.1	
1H	6432	55	25	23	23	14	1.00	1.00	152.5	
1I	-8846	153	8	23	23	14	1.03	1.00	215.0	
1J	-8846	153	14	23	23	14	1.03	1.00	219.4	
1K	-8846	174	8	23	23	14	1.03	1.00	220.4	
1L	-8846	174	14	23	23	14	1.03	1.00	224.8	
1M	8422	153	8	23	23	14	1.00	1.00	202.1	
1N	8422	153	14	23	23	14	1.00	1.00	206.5	
1O	8422	174	8	23	23	14	1.00	1.00	207.5	
1P	8422	174	14	23	23	14	1.00	1.00	211.9	
2	7409	129	19	23	23	14	1.00	1.00	184.9	
7	6688	106	17	23	23	14	1.00	1.00	164.7	
8	5533	104	13	23	23	14	1.00	1.00	139.4	

ASTA NUM. 418 NI 211 NF 210 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6060	-16	38	0	80	25	112.6	39.5	3.2	0.0	152.2	1	
1B	0	-6060	9	38	0	80	-30	112.6	42.9	3.2	0.0	155.5	1	
1C	0	-6060	-16	-155	0	-144	25	112.6	56.0	13.1	0.0	168.6	1	
1D	0	-6060	9	-155	0	-144	-30	112.6	59.3	13.1	0.0	172.0	1	
1E	0	3328	-16	38	0	80	25	61.9	39.5	3.2	0.0	101.4	1	
1F	0	3328	9	38	0	80	-30	61.9	42.9	3.2	0.0	104.7	1	
1G	0	3328	-16	-155	0	-144	25	61.9	56.0	13.1	0.0	117.8	1	
1H	0	3328	9	-155	0	-144	-30	61.9	59.3	13.1	0.0	121.2	1	
1I	0	-7230	-18	2	0	121	8	134.4	36.9	0.7	0.0	171.3	1	
1J	0	-7230	11	2	0	121	-12	134.4	40.3	0.4	0.0	174.6	1	
1K	0	-7230	-18	-118	0	-185	8	134.4	53.4	10.0	0.0	187.7	1	
1L	0	-7230	11	-118	0	-185	-12	134.4	56.7	10.0	0.0	191.1	1	
1M	0	4498	-18	2	0	121	8	83.6	36.9	0.7	0.0	120.5	1	
1N	0	4498	11	2	0	121	-12	83.6	40.3	0.4	0.0	123.8	1	
1O	0	4498	-18	-118	0	-185	8	83.6	53.4	10.0	0.0	137.0	1	
1P	0	4498	11	-118	0	-185	-12	83.6	56.7	10.0	0.0	140.3	1	
2	0	-3305	-21	-356	0	-199	-13	61.4	61.0	30.2	0.0	122.5	1	
7	0	-2688	-19	-304	0	-163	-12	50.0	51.2	25.8	0.0	101.1	1	
8	0	-2597	-15	-278	0	-164	-9	48.3	48.8	23.5	0.0	97.0	1	
1A	55	-6036	-16	38	0	83	30	112.2	43.9	3.2	0.0	156.1	1	
1B	55	-6036	9	38	0	83	-38	112.2	50.2	3.2	0.0	162.4	1	
1C	55	-6036	-16	-155	0	-83	30	112.2	43.7	13.1	0.0	155.9	1	
1D	55	-6036	9	-155	0	-83	-38	112.2	50.0	13.1	0.0	162.2	1	
1E	55	3351	-16	38	0	83	30	62.3	43.9	3.2	0.0	106.2	1	
1F	55	3351	9	38	0	83	-38	62.3	50.2	3.2	0.0	112.5	1	
1G	55	3351	-16	-155	0	-83	30	62.3	43.7	13.1	0.0	106.0	1	
1H	55	3351	9	-155	0	-83	-38	62.3	50.0	13.1	0.0	112.3	1	
1I	55	-7206	-18	2	0	128	13	133.9	42.5	0.7	0.0	176.5	1	
1J	55	-7206	11	2	0	128	-21	133.9	48.8	0.4	0.0	182.7	1	
1K	55	-7206	-18	-118	0	-128	13	133.9	42.3	10.0	0.0	176.3	1	
1L	55	-7206	11	-118	0	-128	-21	133.9	48.6	10.0	0.0	182.5	1	
1M	55	4521	-18	2	0	128	13	84.0	42.5	0.7	0.0	126.6	1	
1N	55	4521	11	2	0	128	-21	84.0	48.8	0.4	0.0	132.8	1	
1O	55	4521	-18	-118	0	-128	13	84.0	42.3	10.0	0.0	126.4	1	
1P	55	4521	11	-118	0	-128	-21	84.0	48.6	10.0	0.0	132.6	1	
2	55	-3274	-21	-356	0	-2	-25	60.9	19.1	30.2	0.0	80.7	4	
7	55	-2658	-19	-304	0	5	-23	49.4	18.4	25.8	0.0	67.8	1	
8	55	-2566	-15	-278	0	-10	-17	47.7	15.4	23.5	0.0	63.1	1	
1A	111	-6013	-16	38	0	87	35	111.8	48.3	3.2	0.0	160.1	1	
1B	111	-6013	9	38	0	87	-47	111.8	57.4	3.2	0.0	169.2	1	
1C	111	-6013	-16	-155	0	-21	35	111.8	31.5	13.1	0.0	143.2	1	
1D	111	-6013	9	-155	0	-21	-47	111.8	40.6	13.1	0.0	152.4	1	
1E	111	3375	-16	38	0	87	35	62.7	48.3	3.2	0.0	111.0	1	
1F	111	3375	9	38	0	87	-47	62.7	57.4	3.2	0.0	120.2	1	
1G	111	3375	-16	-155	0	-21	35	62.7	31.5	13.1	0.0	94.2	1	
1H	111	3375	9	-155	0	-21	-47	62.7	40.6	13.1	0.0	103.3	1	

1I	111	-7182	-18	2	0	136	18	133.5	48.1	0.7	0.0	181.6	1
1J	111	-7182	11	2	0	136	-30	133.5	57.3	0.4	0.0	190.8	1
1K	111	-7182	-18	-118	0	-70	18	133.5	31.3	10.0	0.0	164.8	1
1L	111	-7182	11	-118	0	-70	-30	133.5	40.4	10.0	0.0	173.9	1
1M	111	4544	-18	2	0	136	18	84.5	48.1	0.7	0.0	132.6	1
1N	111	4544	11	2	0	136	-30	84.5	57.3	0.4	0.0	141.7	1
1O	111	4544	-18	-118	0	-70	18	84.5	31.3	10.0	0.0	115.8	1
1P	111	4544	11	-118	0	-70	-30	84.5	40.4	10.0	0.0	124.9	1
2	111	-3244	-21	-356	0	195	-37	60.3	77.5	30.2	0.0	137.8	1
7	111	-2627	-19	-304	0	174	-33	48.8	69.7	25.8	0.0	118.5	1
8	111	-2536	-15	-278	0	144	-25	47.1	56.1	23.5	0.0	103.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6060	84	31	23	23	14	1.03	1.00	160.9	
1B	-6060	84	40	23	23	14	1.03	1.00	167.7	
1C	-6060	95	31	23	23	14	1.03	1.00	163.7	
1D	-6060	95	40	23	23	14	1.03	1.00	170.5	
1E	3375	84	31	23	23	14	1.00	1.00	107.5	
1F	3375	84	40	23	23	14	1.00	1.00	114.3	
1G	3375	95	31	23	23	14	1.00	1.00	110.3	
1H	3375	95	40	23	23	14	1.00	1.00	117.1	
1I	-7230	130	14	23	23	14	1.03	1.00	182.1	
1J	-7230	130	23	23	23	14	1.03	1.00	189.0	
1K	-7230	139	14	23	23	14	1.03	1.00	184.5	
1L	-7230	139	23	23	23	14	1.03	1.00	191.4	
1M	4544	130	14	23	23	14	1.00	1.00	128.1	
1N	4544	130	23	23	23	14	1.00	1.00	134.9	
1O	4544	139	14	23	23	14	1.00	1.00	130.5	
1P	4544	139	23	23	23	14	1.00	1.00	137.3	
2	-3305	80	27	23	23	14	1.03	1.00	104.1	
7	-2688	69	25	23	23	14	1.03	1.00	88.0	
8	-2597	65	19	23	23	14	1.03	1.00	80.7	

ASTA NUM. 419 NI 210 NF 209 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5946	-12	115	0	103	38	110.5	55.1	9.7	0.0	165.7	1	
1B	0	-5946	8	115	0	103	-50	110.5	63.7	9.7	0.0	174.2	1	
1C	0	-5946	-12	-129	0	-79	38	110.5	48.9	10.9	0.0	159.4	1	
1D	0	-5946	8	-129	0	-79	-50	110.5	57.5	10.9	0.0	168.0	1	
1E	0	3146	-12	115	0	103	38	58.5	55.1	9.7	0.0	113.6	1	
1F	0	3146	8	115	0	103	-50	58.5	63.7	9.7	0.0	122.2	1	
1G	0	3146	-12	-129	0	-79	38	58.5	48.9	10.9	0.0	107.4	1	
1H	0	3146	8	-129	0	-79	-50	58.5	57.5	10.9	0.0	115.9	1	
1I	0	-7070	-21	102	0	163	15	131.4	53.5	8.7	0.0	184.9	1	
1J	0	-7070	16	102	0	163	-27	131.4	62.1	8.7	0.0	193.5	1	
1K	0	-7070	-21	-116	0	-139	15	131.4	47.2	9.8	0.0	178.6	1	
1L	0	-7070	16	-116	0	-139	-27	131.4	55.8	9.8	0.0	187.2	1	
1M	0	4270	-21	102	0	163	15	79.4	53.5	8.7	0.0	132.9	1	
1N	0	4270	16	102	0	163	-27	79.4	62.1	8.7	0.0	141.4	1	
1O	0	4270	-21	-116	0	-139	15	79.4	47.2	9.8	0.0	126.6	1	
1P	0	4270	16	-116	0	-139	-27	79.4	55.8	9.8	0.0	135.2	1	
2	0	-3903	-17	-162	0	29	-33	72.5	32.4	13.7	0.0	104.9	1	
7	0	-3194	-15	-140	0	31	-30	59.4	30.7	11.9	0.0	90.1	1	
8	0	-3041	-12	-120	0	17	-23	56.5	21.8	10.2	0.0	78.3	1	
1A	55	-5922	-12	115	0	24	42	110.1	37.7	9.7	0.0	147.8	1	
1B	55	-5922	8	115	0	24	-56	110.1	48.3	9.7	0.0	158.4	1	
1C	55	-5922	-12	-129	0	8	42	110.1	33.5	10.9	0.0	143.6	1	
1D	55	-5922	8	-129	0	8	-56	110.1	44.1	10.9	0.0	154.2	1	
1E	55	3169	-12	115	0	24	42	58.9	37.7	9.7	0.0	96.6	1	
1F	55	3169	8	115	0	24	-56	58.9	48.3	9.7	0.0	107.2	1	
1G	55	3169	-12	-129	0	8	42	58.9	33.5	10.9	0.0	92.4	1	
1H	55	3169	8	-129	0	8	-56	58.9	44.1	10.9	0.0	103.0	1	
1I	55	-7046	-21	102	0	125	24	131.0	49.9	8.7	0.0	180.9	1	
1J	55	-7046	16	102	0	125	-38	131.0	60.5	8.7	0.0	191.5	1	
1K	55	-7046	-21	-116	0	-93	24	131.0	41.7	9.8	0.0	172.6	1	
1L	55	-7046	16	-116	0	-93	-38	131.0	52.2	9.8	0.0	183.2	1	
1M	55	4293	-21	102	0	125	24	79.8	49.9	8.7	0.0	129.7	1	
1N	55	4293	16	102	0	125	-38	79.8	60.5	8.7	0.0	140.3	1	
1O	55	4293	-21	-116	0	-93	24	79.8	41.7	9.8	0.0	121.5	1	
1P	55	4293	16	-116	0	-93	-38	79.8	52.2	9.8	0.0	132.0	1	
2	55	-3873	-17	-162	0	119	-43	72.0	62.5	13.7	0.0	134.5	1	
7	55	-3164	-15	-140	0	109	-39	58.8	57.0	11.9	0.0	115.8	1	
8	55	-3010	-12	-120	0	84	-30	56.0	44.0	10.2	0.0	99.9	1	
1A	111	-5899	-12	115	0	-55	46	109.6	48.4	9.7	0.0	158.1	1	
1B	111	-5899	8	115	0	-55	-63	109.6	61.0	9.7	0.0	170.7	1	
1C	111	-5899	-12	-129	0	94	46	109.6	58.7	10.9	0.0	168.3	1	
1D	111	-5899	8	-129	0	94	-63	109.6	71.3	10.9	0.0	180.9	1	
1E	111	3193	-12	115	0	-55	46	59.3	48.4	9.7	0.0	107.8	1	
1F	111	3193	8	115	0	-55	-63	59.3	61.0	9.7	0.0	120.4	1	
1G	111	3193	-12	-129	0	94	46	59.3	58.7	10.9	0.0	118.0	1	
1H	111	3193	8	-129	0	94	-63	59.3	71.3	10.9	0.0	130.6	1	
1I	111	-7023	-21	102	0	86	32	130.5	46.3	8.7	0.0	176.9	1	

1J	111	-7023	16	102	0	86	-49	130.5	58.9	8.7	0.0	189.4	1
1K	111	-7023	-21	-116	0	-47	32	130.5	36.1	9.8	0.0	166.6	1
1L	111	-7023	16	-116	0	-47	-49	130.5	48.7	9.8	0.0	179.2	1
1M	111	4317	-21	102	0	86	32	80.2	46.3	8.7	0.0	126.6	1
1N	111	4317	16	102	0	86	-49	80.2	58.9	8.7	0.0	139.1	1
1O	111	4317	-21	-116	0	-47	32	80.2	36.1	9.8	0.0	116.3	1
1P	111	4317	16	-116	0	-47	-49	80.2	48.7	9.8	0.0	128.9	1
2	111	-3843	-17	-162	0	209	-52	71.4	92.6	13.7	0.0	164.1	1
7	111	-3133	-15	-140	0	187	-47	58.2	83.3	11.9	0.0	141.6	1
8	111	-2980	-12	-120	0	150	-37	55.4	66.1	10.2	0.0	121.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5946	41	43	23	23	14	1.03	1.00	156.6	
1B	-5946	41	58	23	23	14	1.03	1.00	167.6	
1C	-5946	38	43	23	23	14	1.03	1.00	155.7	
1D	-5946	38	58	23	23	14	1.03	1.00	166.7	
1E	3193	41	43	23	23	14	1.00	1.00	102.0	
1F	3193	41	58	23	23	14	1.00	1.00	113.0	
1G	3193	38	43	23	23	14	1.00	1.00	101.1	
1H	3193	38	58	23	23	14	1.00	1.00	112.1	
1I	-7070	133	25	23	23	14	1.03	1.00	188.6	
1J	-7070	133	40	23	23	14	1.03	1.00	199.6	
1K	-7070	102	25	23	23	14	1.03	1.00	180.8	
1L	-7070	102	40	23	23	14	1.03	1.00	191.8	
1M	4317	133	25	23	23	14	1.00	1.00	133.4	
1N	4317	133	40	23	23	14	1.00	1.00	144.4	
1O	4317	102	25	23	23	14	1.00	1.00	125.6	
1P	4317	102	40	23	23	14	1.00	1.00	136.5	
2	-3903	137	44	23	23	14	1.03	1.00	143.3	
7	-3194	125	40	23	23	14	1.03	1.00	123.5	
8	-3041	97	31	23	23	14	1.03	1.00	106.7	

ASTA NUM. 420 NI 209 NF 208 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5070	-9	-0	0	64	58	94.2	59.9	0.3	0.0	154.2	1	
1B	0	-5070	8	-0	0	64	-77	94.2	74.1	0.3	0.0	168.3	1	
1C	0	-5070	-9	-116	0	-65	58	94.2	60.3	9.9	0.0	154.5	1	
1D	0	-5070	8	-116	0	-65	-77	94.2	74.4	9.9	0.0	168.6	1	
1E	0	60	-9	-0	0	64	58	1.1	59.9	0.3	0.0	61.1	1	
1F	0	60	8	-0	0	64	-77	1.1	74.1	0.3	0.0	75.2	1	
1G	0	60	-9	-116	0	-65	58	1.1	60.3	9.9	0.0	61.4	1	
1H	0	60	8	-116	0	-65	-77	1.1	74.4	9.9	0.0	75.5	1	
1I	0	-5550	-19	-0	0	99	33	103.2	50.5	0.7	0.0	153.7	1	
1J	0	-5550	18	-0	0	99	-52	103.2	64.6	0.7	0.0	167.8	1	
1K	0	-5550	-19	-116	0	-100	33	103.2	50.8	9.8	0.0	154.0	1	
1L	0	-5550	18	-116	0	-100	-52	103.2	64.9	9.8	0.0	168.1	1	
1M	0	540	-19	-0	0	99	33	10.0	50.5	0.7	0.0	60.6	1	
1N	0	540	18	-0	0	99	-52	10.0	64.6	0.7	0.0	74.7	1	
1O	0	540	-19	-116	0	-100	33	10.0	50.8	9.8	0.0	60.9	1	
1P	0	540	18	-116	0	-100	-52	10.0	64.9	9.8	0.0	75.0	1	
2	0	-11890	-8	-300	0	64	-56	221.0	58.3	25.4	0.0	279.3	1	
7	0	-9877	-7	-245	0	66	-50	183.6	54.6	20.8	0.0	238.2	1	
8	0	-9221	-5	-238	0	38	-40	171.4	39.4	20.2	0.0	210.8	1	
1A	55	-5047	-9	-0	0	77	62	93.8	66.4	0.3	0.0	160.2	1	
1B	55	-5047	8	-0	0	77	-82	93.8	81.1	0.3	0.0	174.9	1	
1C	55	-5047	-9	-116	0	-14	62	93.8	50.1	9.9	0.0	143.9	1	
1D	55	-5047	8	-116	0	-14	-82	93.8	64.8	9.9	0.0	158.6	1	
1E	55	84	-9	-0	0	77	62	1.6	66.4	0.3	0.0	68.0	1	
1F	55	84	8	-0	0	77	-82	1.6	81.1	0.3	0.0	82.7	1	
1G	55	84	-9	-116	0	-14	62	1.6	50.1	9.9	0.0	51.7	1	
1H	55	84	8	-116	0	-14	-82	1.6	64.8	9.9	0.0	66.4	1	
1I	55	-5527	-19	-0	0	104	43	102.7	58.9	0.7	0.0	161.7	1	
1J	55	-5527	18	-0	0	104	-63	102.7	73.6	0.7	0.0	176.3	1	
1K	55	-5527	-19	-116	0	-41	43	102.7	42.7	9.8	0.0	145.4	1	
1L	55	-5527	18	-116	0	-41	-63	102.7	57.3	9.8	0.0	160.1	1	
1M	55	564	-19	-0	0	104	43	10.5	58.9	0.7	0.0	69.4	1	
1N	55	564	18	-0	0	104	-63	10.5	73.6	0.7	0.0	84.1	1	
1O	55	564	-19	-116	0	-41	43	10.5	42.7	9.8	0.0	53.1	1	
1P	55	564	18	-116	0	-41	-63	10.5	57.3	9.8	0.0	67.8	1	
2	55	-11860	-8	-300	0	230	-60	220.4	104.1	25.4	0.0	324.5	1	
7	55	-9846	-7	-245	0	201	-54	183.0	92.5	20.8	0.0	275.5	1	
8	55	-9190	-5	-238	0	170	-43	170.8	75.6	20.2	0.0	246.4	1	
1A	111	-5023	-9	-0	0	90	66	93.4	72.9	0.3	0.0	166.3	1	
1B	111	-5023	8	-0	0	90	-87	93.4	88.1	0.3	0.0	181.5	1	
1C	111	-5023	-9	-116	0	37	66	93.4	59.2	9.9	0.0	152.6	1	
1D	111	-5023	8	-116	0	37	-87	93.4	74.5	9.9	0.0	167.8	1	
1E	111	107	-9	-0	0	90	66	2.0	72.9	0.3	0.0	74.9	1	
1F	111	107	8	-0	0	90	-87	2.0	88.1	0.3	0.0	90.1	1	
1G	111	107	-9	-116	0	37	66	2.0	59.2	9.9	0.0	61.2	1	
1H	111	107	8	-116	0	37	-87	2.0	74.5	9.9	0.0	76.5	1	
1I	111	-5504	-19	-0	0	109	53	102.3	67.4	0.7	0.0	169.7	1	
1J	111	-5504	18	-0	0	109	-73	102.3	82.6	0.7	0.0	184.9	1	

1K	111	-5504	-19	-116	0	19	53	102.3	44.3	9.8	0.0	146.6	1
1L	111	-5504	18	-116	0	19	-73	102.3	59.6	9.8	0.0	161.9	1
1M	111	588	-19	-0	0	109	53	10.9	67.4	0.7	0.0	78.3	1
1N	111	588	18	-0	0	109	-73	10.9	82.6	0.7	0.0	93.5	1
1O	111	588	-19	-116	0	19	53	10.9	44.3	9.8	0.0	55.3	1
1P	111	588	18	-116	0	19	-73	10.9	59.6	9.8	0.0	70.5	1
2	111	-11830	-8	-300	0	396	-64	219.9	149.9	25.4	0.0	369.8	1
7	111	-9816	-7	-245	0	337	-58	182.5	130.3	20.8	0.0	312.7	1
8	111	-9160	-5	-238	0	301	-46	170.3	111.7	20.2	0.0	281.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5070	80	63	23	23	14	1.03	1.00	164.9	
1B	-5070	80	83	23	23	14	1.03	1.00	179.7	
1C	-5070	26	63	23	23	14	1.03	1.00	151.1	
1D	-5070	26	83	23	23	14	1.03	1.00	165.9	
1E	107	80	63	23	23	14	1.00	1.00	69.7	
1F	107	80	83	23	23	14	1.00	1.00	84.5	
1G	107	26	63	23	23	14	1.00	1.00	55.9	
1H	107	26	83	23	23	14	1.00	1.00	70.7	
1I	-5550	105	45	23	23	14	1.03	1.00	167.0	
1J	-5550	105	65	23	23	14	1.03	1.00	181.8	
1K	-5550	53	45	23	23	14	1.03	1.00	153.5	
1L	-5550	53	65	23	23	14	1.03	1.00	168.4	
1M	588	105	45	23	23	14	1.00	1.00	71.5	
1N	588	105	65	23	23	14	1.00	1.00	86.3	
1O	588	53	45	23	23	14	1.00	1.00	58.1	
1P	588	53	65	23	23	14	1.00	1.00	72.9	
2	-11890	263	61	23	23	14	1.03	1.00	341.3	
7	-9877	229	55	23	23	14	1.03	1.00	289.4	
8	-9221	196	43	23	23	14	1.03	1.00	259.5	

ASTA NUM. 421 NI 208 NF 207 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4952	-24	72	0	106	85	92.0	90.5	6.1	0.0	182.6	1	
1B	0	-4952	41	72	0	106	-110	92.0	109.5	6.1	0.0	201.5	1	
1C	0	-4952	-24	-92	0	-20	85	92.0	68.4	7.8	0.0	160.5	1	
1D	0	-4952	41	-92	0	-20	-110	92.0	87.3	7.8	0.0	179.4	1	
1E	0	-128	-24	72	0	106	85	2.4	90.5	6.1	0.0	92.9	1	
1F	0	-128	41	72	0	106	-110	2.4	109.5	6.1	0.0	111.8	1	
1G	0	-128	-24	-92	0	-20	85	2.4	68.4	7.8	0.0	70.8	1	
1H	0	-128	41	-92	0	-20	-110	2.4	87.3	7.8	0.0	89.7	1	
1I	0	-5393	-6	74	0	135	61	100.2	80.3	6.3	0.0	180.5	1	
1J	0	-5393	24	74	0	135	-86	100.2	99.2	6.3	0.0	199.4	1	
1K	0	-5393	-6	-94	0	-49	61	100.2	58.1	8.0	0.0	158.4	1	
1L	0	-5393	24	-94	0	-49	-86	100.2	77.0	8.0	0.0	177.3	1	
1M	0	313	-6	74	0	135	61	5.8	80.3	6.3	0.0	86.1	1	
1N	0	313	24	74	0	135	-86	5.8	99.2	6.3	0.0	105.0	1	
1O	0	313	-6	-94	0	-49	61	5.8	58.1	8.0	0.0	64.0	1	
1P	0	313	24	-94	0	-49	-86	5.8	77.0	8.0	0.0	82.9	1	
2	0	-12320	43	-93	0	272	-78	229.0	128.0	7.8	0.0	357.0	1	
7	0	-10220	38	-70	0	237	-70	190.0	113.3	6.0	0.0	303.3	1	
8	0	-9548	32	-73	0	204	-55	177.5	93.8	6.2	0.0	271.3	1	
1A	55	-4928	-24	72	0	63	73	91.6	70.5	6.1	0.0	162.1	1	
1B	55	-4928	41	72	0	63	-88	91.6	82.3	6.1	0.0	173.9	1	
1C	55	-4928	-24	-92	0	35	73	91.6	63.3	7.8	0.0	154.9	1	
1D	55	-4928	41	-92	0	35	-88	91.6	75.1	7.8	0.0	166.7	1	
1E	55	-104	-24	72	0	63	73	1.9	70.5	6.1	0.0	72.5	1	
1F	55	-104	41	72	0	63	-88	1.9	82.3	6.1	0.0	84.2	1	
1G	55	-104	-24	-92	0	35	73	1.9	63.3	7.8	0.0	65.2	1	
1H	55	-104	41	-92	0	35	-88	1.9	75.1	7.8	0.0	77.0	1	
1I	55	-5370	-6	74	0	85	60	99.8	67.3	6.3	0.0	167.1	1	
1J	55	-5370	24	74	0	85	-76	99.8	79.0	6.3	0.0	178.8	1	
1K	55	-5370	-6	-94	0	12	60	99.8	48.3	8.0	0.0	148.1	1	
1L	55	-5370	24	-94	0	12	-76	99.8	60.1	8.0	0.0	159.9	1	
1M	55	336	-6	74	0	85	60	6.3	67.3	6.3	0.0	73.5	1	
1N	55	336	24	74	0	85	-76	6.3	79.0	6.3	0.0	85.3	1	
1O	55	336	-6	-94	0	12	60	6.3	48.3	8.0	0.0	54.6	1	
1P	55	336	24	-94	0	12	-76	6.3	60.1	8.0	0.0	66.3	1	
2	55	-12290	43	-93	0	323	-54	228.4	123.3	7.8	0.0	351.7	1	
7	55	-10185	38	-70	0	276	-49	189.3	107.5	6.0	0.0	296.9	1	
8	55	-9518	32	-73	0	244	-38	176.9	91.2	6.2	0.0	268.1	1	
1A	111	-4905	-24	72	0	20	61	91.2	50.5	6.1	0.0	141.7	1	
1B	111	-4905	41	72	0	20	-67	91.2	55.1	6.1	0.0	146.3	1	
1C	111	-4905	-24	-92	0	89	61	91.2	68.4	7.8	0.0	159.5	1	
1D	111	-4905	41	-92	0	89	-67	91.2	73.0	7.8	0.0	164.2	1	
1E	111	-81	-24	72	0	20	61	1.5	50.5	6.1	0.0	52.0	1	
1F	111	-81	41	72	0	20	-67	1.5	55.1	6.1	0.0	56.6	1	
1G	111	-81	-24	-92	0	89	61	1.5	68.4	7.8	0.0	69.9	1	
1H	111	-81	41	-92	0	89	-67	1.5	73.0	7.8	0.0	74.5	1	
1I	111	-5346	-6	74	0	36	60	99.4	54.2	6.3	0.0	153.6	1	
1J	111	-5346	24	74	0	36	-66	99.4	58.9	6.3	0.0	158.2	1	
1K	111	-5346	-6	-94	0	73	60	99.4	63.7	8.0	0.0	163.0	1	

1L	111	-5346	24	-94	0	73	-66	99.4	68.3	8.0	0.0	167.7	1
1M	111	360	-6	74	0	36	60	6.7	54.2	6.3	0.0	60.9	1
1N	111	360	24	74	0	36	-66	6.7	58.9	6.3	0.0	65.6	1
1O	111	360	-6	-94	0	73	60	6.7	63.7	8.0	0.0	70.4	1
1P	111	360	24	-94	0	73	-66	6.7	68.3	8.0	0.0	75.0	1
2	111	-12260	43	-93	0	374	-30	227.9	118.5	7.8	0.0	346.4	1
7	111	-10150	38	-70	0	315	-28	188.7	101.8	6.0	0.0	290.4	1
8	111	-9488	32	-73	0	284	-20	176.4	88.5	6.2	0.0	264.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4952	71	75	23	23	14	1.03	1.00	169.5	
1B	-4952	71	93	23	23	14	1.03	1.00	182.7	
1C	-4952	45	75	23	23	14	1.03	1.00	162.8	
1D	-4952	45	93	23	23	14	1.03	1.00	176.0	
1E	-128	71	75	23	23	14	1.03	1.00	77.0	
1F	-128	71	93	23	23	14	1.03	1.00	90.2	
1G	-128	45	75	23	23	14	1.03	1.00	70.3	
1H	-128	45	93	23	23	14	1.03	1.00	83.5	
1I	-5393	95	61	23	23	14	1.03	1.00	173.2	
1J	-5393	95	78	23	23	14	1.03	1.00	186.5	
1K	-5393	29	61	23	23	14	1.03	1.00	156.2	
1L	-5393	29	78	23	23	14	1.03	1.00	169.4	
1M	360	95	61	23	23	14	1.00	1.00	76.5	
1N	360	95	78	23	23	14	1.00	1.00	89.7	
1O	360	29	61	23	23	14	1.00	1.00	59.5	
1P	360	29	78	23	23	14	1.00	1.00	72.7	
2	-12320	333	58	23	23	14	1.03	1.00	365.8	
7	-10220	284	53	23	23	14	1.03	1.00	308.7	
8	-9548	252	41	23	23	14	1.03	1.00	278.9	

ASTA NUM. 422 NI 207 NF 206 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4112	-51	-39	0	57	103	76.4	92.0	3.3	0.0	168.4	1	
1B	0	-4112	86	-39	0	57	-119	76.4	104.1	3.3	0.0	180.5	1	
1C	0	-4112	-51	-102	0	10	103	76.4	79.8	8.6	0.0	156.2	1	
1D	0	-4112	86	-102	0	10	-119	76.4	91.9	8.6	0.0	168.3	1	
1E	0	-3150	-51	-39	0	57	103	58.6	92.0	3.3	0.0	150.6	1	
1F	0	-3150	86	-39	0	57	-119	58.6	104.1	3.3	0.0	162.7	1	
1G	0	-3150	-51	-102	0	10	103	58.6	79.8	8.6	0.0	138.3	1	
1H	0	-3150	86	-102	0	10	-119	58.6	91.9	8.6	0.0	150.4	1	
1I	0	-3926	-28	-3	0	84	86	73.0	86.2	1.0	0.0	159.2	1	
1J	0	-3926	63	-3	0	84	-102	73.0	98.3	2.4	0.0	171.3	1	
1K	0	-3926	-28	-138	0	-17	86	73.0	68.9	11.7	0.0	141.9	1	
1L	0	-3926	63	-138	0	-17	-102	73.0	81.0	11.7	0.0	154.0	1	
1M	0	-3336	-28	-3	0	84	86	62.0	86.2	1.0	0.0	148.2	1	
1N	0	-3336	63	-3	0	84	-102	62.0	98.3	2.4	0.0	160.3	1	
1O	0	-3336	-28	-138	0	-17	86	62.0	68.9	11.7	0.0	130.9	1	
1P	0	-3336	63	-138	0	-17	-102	62.0	81.0	11.7	0.0	143.0	1	
2	0	-17890	96	-299	0	271	-59	332.5	114.2	25.3	0.0	446.8	1	
7	0	-14510	85	-229	0	235	-55	269.7	101.4	19.4	0.0	371.1	1	
8	0	-14010	70	-242	0	202	-42	260.4	83.2	20.5	0.0	343.6	1	
1A	55	-4088	-51	-39	0	72	77	76.0	76.0	3.3	0.0	152.0	1	
1B	55	-4088	86	-39	0	72	-73	76.0	73.3	3.3	0.0	149.3	1	
1C	55	-4088	-51	-102	0	74	77	76.0	76.4	8.6	0.0	152.4	1	
1D	55	-4088	86	-102	0	74	-73	76.0	73.8	8.6	0.0	149.8	1	
1E	55	-3127	-51	-39	0	72	77	58.1	76.0	3.3	0.0	134.1	1	
1F	55	-3127	86	-39	0	72	-73	58.1	73.3	3.3	0.0	131.4	1	
1G	55	-3127	-51	-102	0	74	77	58.1	76.4	8.6	0.0	134.6	1	
1H	55	-3127	86	-102	0	74	-73	58.1	73.8	8.6	0.0	131.9	1	
1I	55	-3903	-28	-3	0	83	74	72.5	76.6	1.0	0.0	149.1	1	
1J	55	-3903	63	-3	0	83	-70	72.5	73.9	2.4	0.0	146.5	1	
1K	55	-3903	-28	-138	0	62	74	72.5	71.1	11.7	0.0	143.6	1	
1L	55	-3903	63	-138	0	62	-70	72.5	68.5	11.7	0.0	141.0	1	
1M	55	-3312	-28	-3	0	83	74	61.6	76.6	1.0	0.0	138.1	1	
1N	55	-3312	63	-3	0	83	-70	61.6	73.9	2.4	0.0	135.5	1	
1O	55	-3312	-28	-138	0	62	74	61.6	71.1	11.7	0.0	132.7	1	
1P	55	-3312	63	-138	0	62	-70	61.6	68.5	11.7	0.0	130.0	1	
2	55	-17860	96	-299	0	436	-6	332.0	117.0	25.3	0.0	448.9	1	
7	55	-14480	85	-229	0	362	-8	269.1	98.8	19.4	0.0	367.9	1	
8	55	-13980	70	-242	0	336	-3	259.9	88.5	20.5	0.0	348.4	1	
1A	111	-4065	-51	-39	0	86	50	75.6	59.9	3.3	0.0	135.5	1	
1B	111	-4065	86	-39	0	86	-27	75.6	42.5	3.3	0.0	118.1	1	
1C	111	-4065	-51	-102	0	137	50	75.6	73.1	8.6	0.0	148.7	1	
1D	111	-4065	86	-102	0	137	-27	75.6	55.7	8.6	0.0	131.3	1	
1E	111	-3103	-51	-39	0	86	50	57.7	59.9	3.3	0.0	117.6	1	
1F	111	-3103	86	-39	0	86	-27	57.7	42.5	3.3	0.0	100.2	1	
1G	111	-3103	-51	-102	0	137	50	57.7	73.1	8.6	0.0	130.8	1	
1H	111	-3103	86	-102	0	137	-27	57.7	55.7	8.6	0.0	113.4	1	
1I	111	-3879	-28	-3	0	82	61	72.1	67.0	1.0	0.0	139.1	1	
1J	111	-3879	63	-3	0	82	-38	72.1	49.6	2.4	0.0	121.7	1	
1K	111	-3879	-28	-138	0	141	61	72.1	82.0	11.7	0.0	154.1	1	
1L	111	-3879	63	-138	0	141	-38	72.1	64.7	11.7	0.0	136.8	1	

1M	111	-3289	-28	-3	0	82	61	61.1	67.0	1.0	0.0	128.1	1
1N	111	-3289	63	-3	0	82	-38	61.1	49.6	2.4	0.0	110.7	1
1O	111	-3289	-28	-138	0	141	61	61.1	82.0	11.7	0.0	143.2	1
1P	111	-3289	63	-138	0	141	-38	61.1	64.7	11.7	0.0	125.8	1
2	111	-17830	96	-299	0	602	47	331.4	189.9	25.3	0.0	521.3	1
7	111	-14450	85	-229	0	489	39	268.6	155.4	19.4	0.0	423.9	1
8	111	-13950	70	-242	0	470	36	259.3	147.7	20.5	0.0	407.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4112	75	82	23	23	14	1.03	1.00	159.5	
1B	-4112	75	83	23	23	14	1.03	1.00	159.8	
1C	-4112	86	82	23	23	14	1.03	1.00	162.5	
1D	-4112	86	83	23	23	14	1.03	1.00	162.8	
1E	-3150	75	82	23	23	14	1.03	1.00	141.1	
1F	-3150	75	83	23	23	14	1.03	1.00	141.4	
1G	-3150	86	82	23	23	14	1.03	1.00	144.1	
1H	-3150	86	83	23	23	14	1.03	1.00	144.4	
1I	-3926	83	76	23	23	14	1.03	1.00	153.8	
1J	-3926	83	77	23	23	14	1.03	1.00	154.1	
1K	-3926	78	76	23	23	14	1.03	1.00	152.3	
1L	-3926	78	77	23	23	14	1.03	1.00	152.6	
1M	-3336	83	76	23	23	14	1.03	1.00	142.5	
1N	-3336	83	77	23	23	14	1.03	1.00	142.8	
1O	-3336	78	76	23	23	14	1.03	1.00	141.0	
1P	-3336	78	77	23	23	14	1.03	1.00	141.3	
2	-17890	469	24	23	23	14	1.03	1.00	481.6	
7	-14510	387	22	23	23	14	1.03	1.00	394.2	
8	-14010	362	17	23	23	14	1.03	1.00	374.3	

ASTA NUM. 423 NI 206 NF 205 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4086	-196	62	0	125	93	75.9	102.0	7.4	0.0	177.9	1	
1B	0	-4086	280	62	0	125	-76	75.9	89.2	10.5	0.0	165.2	1	
1C	0	-4086	-196	-197	0	64	93	75.9	86.2	16.7	0.0	162.2	1	
1D	0	-4086	280	-197	0	64	-76	75.9	73.5	16.7	0.0	149.4	1	
1E	0	-3214	-196	62	0	125	93	59.7	102.0	7.4	0.0	161.7	1	
1F	0	-3214	280	62	0	125	-76	59.7	89.2	10.5	0.0	149.0	1	
1G	0	-3214	-196	-197	0	64	93	59.7	86.2	16.7	0.0	146.0	1	
1H	0	-3214	280	-197	0	64	-76	59.7	73.5	16.7	0.0	133.2	1	
1I	0	-3877	-151	53	0	119	92	72.1	99.3	5.7	0.0	171.4	1	
1J	0	-3877	235	53	0	119	-75	72.1	86.6	8.8	0.0	158.7	1	
1K	0	-3877	-151	-188	0	70	92	72.1	86.9	16.0	0.0	159.0	1	
1L	0	-3877	235	-188	0	70	-75	72.1	74.2	16.0	0.0	146.2	1	
1M	0	-3423	-151	53	0	119	92	63.6	99.3	5.7	0.0	163.0	1	
1N	0	-3423	235	53	0	119	-75	63.6	86.6	8.8	0.0	150.2	1	
1O	0	-3423	-151	-188	0	70	92	63.6	86.9	16.0	0.0	150.5	1	
1P	0	-3423	235	-188	0	70	-75	63.6	74.2	16.0	0.0	137.8	1	
2	0	-18090	244	-236	0	536	25	336.2	156.9	20.0	0.0	493.2	1	
7	0	-14630	217	-170	0	442	20	271.9	128.5	14.5	0.0	400.5	1	
8	0	-14170	178	-203	0	415	21	263.4	122.3	17.2	0.0	385.6	1	
1A	55	-4062	-196	62	0	88	-18	75.5	36.1	7.4	0.0	111.6	1	
1B	55	-4062	280	62	0	88	81	75.5	83.5	10.5	0.0	159.0	1	
1C	55	-4062	-196	-197	0	176	-18	75.5	58.7	16.7	0.0	134.2	1	
1D	55	-4062	280	-197	0	176	81	75.5	106.1	16.7	0.0	181.6	1	
1E	55	-3191	-196	62	0	88	-18	59.3	36.1	7.4	0.0	95.4	1	
1F	55	-3191	280	62	0	88	81	59.3	83.5	10.5	0.0	142.8	1	
1G	55	-3191	-196	-197	0	176	-18	59.3	58.7	16.7	0.0	118.0	1	
1H	55	-3191	280	-197	0	176	81	59.3	106.1	16.7	0.0	165.4	1	
1I	55	-3854	-151	53	0	89	3	71.6	25.2	5.7	0.0	96.8	1	
1J	55	-3854	235	53	0	89	60	71.6	67.8	8.8	0.0	139.4	1	
1K	55	-3854	-151	-188	0	176	3	71.6	47.6	16.0	0.0	119.2	1	
1L	55	-3854	235	-188	0	176	60	71.6	90.2	16.0	0.0	161.9	1	
1M	55	-3399	-151	53	0	89	3	63.2	25.2	5.7	0.0	88.3	1	
1N	55	-3399	235	53	0	89	60	63.2	67.8	8.8	0.0	131.0	1	
1O	55	-3399	-151	-188	0	176	3	63.2	47.6	16.0	0.0	110.8	1	
1P	55	-3399	235	-188	0	176	60	63.2	90.2	16.0	0.0	153.4	1	
2	55	-18060	244	-236	0	666	160	335.7	291.4	20.0	0.0	627.1	1	
7	55	-14600	217	-170	0	537	140	271.4	242.8	14.5	0.0	514.2	1	
8	55	-14140	178	-203	0	527	119	262.8	224.7	17.2	0.0	487.5	1	
1A	111	-4039	-196	62	0	51	-129	75.1	109.7	7.4	0.0	184.8	1	
1B	111	-4039	280	62	0	51	239	75.1	191.8	10.5	0.0	266.8	1	
1C	111	-4039	-196	-197	0	288	-129	75.1	170.6	16.7	0.0	245.7	1	
1D	111	-4039	280	-197	0	288	239	75.1	252.7	16.7	0.0	327.7	1	
1E	111	-3167	-196	62	0	51	-129	58.9	109.7	7.4	0.0	168.6	1	
1F	111	-3167	280	62	0	51	239	58.9	191.8	10.5	0.0	250.6	1	
1G	111	-3167	-196	-197	0	288	-129	58.9	170.6	16.7	0.0	229.5	1	
1H	111	-3167	280	-197	0	288	239	58.9	252.7	16.7	0.0	311.5	1	
1I	111	-3830	-151	53	0	58	-86	71.2	79.0	5.7	0.0	150.2	1	
1J	111	-3830	235	53	0	58	195	71.2	161.0	8.8	0.0	232.2	1	
1K	111	-3830	-151	-188	0	281	-86	71.2	136.3	16.0	0.0	207.5	1	
1L	111	-3830	235	-188	0	281	195	71.2	218.3	16.0	0.0	289.5	1	
1M	111	-3376	-151	53	0	58	-86	62.7	79.0	5.7	0.0	141.7	1	

1N	111	-3376	235	53	0	58	195	62.7	161.0	8.8	0.0	223.8	1
1O	111	-3376	-151	-188	0	281	-86	62.7	136.3	16.0	0.0	199.1	1
1P	111	-3376	235	-188	0	281	195	62.7	218.3	16.0	0.0	281.1	1
2	111	-18030	244	-236	0	797	295	335.1	425.9	20.0	0.0	761.0	1
7	111	-14570	217	-170	0	631	260	270.8	357.0	14.5	0.0	627.8	1
8	111	-14110	178	-203	0	639	217	262.3	327.0	17.2	0.0	589.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4086	96	52	23	23	14	1.03	1.00	141.5	
1B	-4086	96	113	23	23	14	1.03	1.00	187.4	
1C	-4086	198	52	23	23	14	1.03	1.00	168.0	
1D	-4086	198	113	23	23	14	1.03	1.00	213.8	
1E	-3214	96	52	23	23	14	1.03	1.00	124.8	
1F	-3214	96	113	23	23	14	1.03	1.00	170.6	
1G	-3214	198	52	23	23	14	1.03	1.00	151.3	
1H	-3214	198	113	23	23	14	1.03	1.00	197.1	
1I	-3877	95	37	23	23	14	1.03	1.00	126.1	
1J	-3877	95	87	23	23	14	1.03	1.00	163.9	
1K	-3877	197	37	23	23	14	1.03	1.00	152.5	
1L	-3877	197	87	23	23	14	1.03	1.00	190.2	
1M	-3423	95	37	23	23	14	1.03	1.00	117.4	
1N	-3423	95	87	23	23	14	1.03	1.00	155.2	
1O	-3423	197	37	23	23	14	1.03	1.00	143.7	
1P	-3423	197	87	23	23	14	1.03	1.00	181.5	
2	-18090	693	187	23	23	14	1.03	1.00	666.4	
7	-14630	555	164	23	23	14	1.03	1.00	546.9	
8	-14170	549	139	23	23	14	1.03	1.00	517.5	

ASTA NUM. 424 NI 192 NF 191 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6193	-15	191	0	108	13	115.1	37.4	16.2	0.0	152.5	1	
1B	0	-6193	10	191	0	108	-16	115.1	39.5	16.2	0.0	154.6	1	
1C	0	-6193	-15	-157	0	-92	13	115.1	33.1	13.3	0.0	148.2	1	
1D	0	-6193	10	-157	0	-92	-16	115.1	35.2	13.3	0.0	150.3	1	
1E	0	4913	-15	191	0	108	13	91.3	37.4	16.2	0.0	128.7	1	
1F	0	4913	10	191	0	108	-16	91.3	39.5	16.2	0.0	130.8	1	
1G	0	4913	-15	-157	0	-92	13	91.3	33.1	13.3	0.0	124.4	1	
1H	0	4913	10	-157	0	-92	-16	91.3	35.2	13.3	0.0	126.5	1	
1I	0	-3476	-12	104	0	76	4	64.6	22.6	8.8	0.0	87.2	1	
1J	0	-3476	7	104	0	76	-7	64.6	24.7	8.8	0.0	89.3	1	
1K	0	-3476	-12	-70	0	-59	4	64.6	18.3	5.9	0.0	82.9	1	
1L	0	-3476	7	-70	0	-59	-7	64.6	20.4	5.9	0.0	85.0	1	
1M	0	2196	-12	104	0	76	4	40.8	22.6	8.8	0.0	63.4	1	
1N	0	2196	7	104	0	76	-7	40.8	24.7	8.8	0.0	65.5	1	
1O	0	2196	-12	-70	0	-59	4	40.8	18.3	5.9	0.0	59.1	1	
1P	0	2196	7	-70	0	-59	-7	40.8	20.4	5.9	0.0	61.2	1	
2	0	2688	-16	-107	0	-81	-9	50.0	27.8	9.0	0.0	77.7	1	
7	0	2040	-15	-76	0	-63	-9	37.9	22.6	6.4	0.0	60.5	1	
8	0	2399	-11	-103	0	-72	-7	44.6	23.4	8.7	0.0	68.0	1	
1A	55	-6170	-15	191	0	-8	18	114.7	15.6	16.2	0.0	130.3	1	
1B	55	-6170	10	191	0	-8	-24	114.7	19.9	16.2	0.0	134.6	1	
1C	55	-6170	-15	-157	0	6	18	114.7	15.2	13.3	0.0	129.8	1	
1D	55	-6170	10	-157	0	6	-24	114.7	19.5	13.3	0.0	134.1	1	
1E	55	4936	-15	191	0	-8	18	91.7	15.6	16.2	0.0	107.4	1	
1F	55	4936	10	191	0	-8	-24	91.7	19.9	16.2	0.0	111.7	1	
1G	55	4936	-15	-157	0	6	18	91.7	15.2	13.3	0.0	106.9	1	
1H	55	4936	10	-157	0	6	-24	91.7	19.5	13.3	0.0	111.2	1	
1I	55	-3453	-12	104	0	81	7	64.2	26.4	8.8	0.0	90.6	1	
1J	55	-3453	7	104	0	81	-13	64.2	30.7	8.8	0.0	94.9	1	
1K	55	-3453	-12	-70	0	-83	7	64.2	26.9	5.9	0.0	91.1	1	
1L	55	-3453	7	-70	0	-83	-13	64.2	31.2	5.9	0.0	95.4	1	
1M	55	2219	-12	104	0	81	7	41.2	26.4	8.8	0.0	67.7	1	
1N	55	2219	7	104	0	81	-13	41.2	30.7	8.8	0.0	72.0	1	
1O	55	2219	-12	-70	0	-83	7	41.2	26.9	5.9	0.0	68.1	1	
1P	55	2219	7	-70	0	-83	-13	41.2	31.2	5.9	0.0	72.4	1	
2	55	2718	-16	-43	0	-40	-18	50.5	23.8	3.6	0.0	74.4	1	
7	55	2070	-15	-31	0	-33	-17	38.5	21.2	2.6	0.0	59.7	1	
8	55	2429	-11	-39	0	-33	-13	45.1	17.9	3.3	0.0	63.0	1	
1A	111	-6146	-15	191	0	-124	24	114.2	49.6	16.2	0.0	163.9	1	
1B	111	-6146	10	191	0	-124	-32	114.2	56.1	16.2	0.0	170.3	1	
1C	111	-6146	-15	-157	0	103	24	114.2	44.4	13.3	0.0	158.6	1	
1D	111	-6146	10	-157	0	103	-32	114.2	50.8	13.3	0.0	165.1	1	
1E	111	4959	-15	191	0	-124	24	92.2	49.6	16.2	0.0	141.8	1	
1F	111	4959	10	191	0	-124	-32	92.2	56.1	16.2	0.0	148.3	1	
1G	111	4959	-15	-157	0	103	24	92.2	44.4	13.3	0.0	136.5	1	
1H	111	4959	10	-157	0	103	-32	92.2	50.8	13.3	0.0	143.0	1	
1I	111	-3430	-12	104	0	86	11	63.7	30.2	8.8	0.0	94.0	1	
1J	111	-3430	7	104	0	86	-19	63.7	36.7	8.8	0.0	100.4	1	
1K	111	-3430	-12	-70	0	-107	11	63.7	35.5	5.9	0.0	99.2	1	
1L	111	-3430	7	-70	0	-107	-19	63.7	42.0	5.9	0.0	105.7	1	
1M	111	2243	-12	104	0	86	11	41.7	30.2	8.8	0.0	71.9	1	
1N	111	2243	7	104	0	86	-19	41.7	36.7	8.8	0.0	78.4	1	

1O	111	2243	-12	-70	0	-107	11	41.7	35.5	5.9	0.0	77.2	1
1P	111	2243	7	-70	0	-107	-19	41.7	42.0	5.9	0.0	83.6	1
2	111	2749	-16	21	0	-34	-27	51.1	29.0	1.8	0.0	80.1	1
7	111	2101	-15	14	0	-29	-25	39.1	26.1	1.2	0.0	65.2	1
8	111	2459	-11	25	0	-29	-19	45.7	21.4	2.1	0.0	67.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6193	49	19	23	23	14	1.03	1.00	145.8	
1B	-6193	49	26	23	23	14	1.03	1.00	150.6	
1C	-6193	41	19	23	23	14	1.03	1.00	143.7	
1D	-6193	41	26	23	23	14	1.03	1.00	148.5	
1E	4959	49	19	23	23	14	1.00	1.00	119.4	
1F	4959	49	26	23	23	14	1.00	1.00	124.1	
1G	4959	41	19	23	23	14	1.00	1.00	117.3	
1H	4959	41	26	23	23	14	1.00	1.00	122.0	
1I	-3476	82	8	23	23	14	1.03	1.00	93.8	
1J	-3476	82	14	23	23	14	1.03	1.00	98.5	
1K	-3476	88	8	23	23	14	1.03	1.00	95.2	
1L	-3476	88	14	23	23	14	1.03	1.00	99.9	
1M	2243	82	8	23	23	14	1.00	1.00	68.9	
1N	2243	82	14	23	23	14	1.00	1.00	73.6	
1O	2243	88	8	23	23	14	1.00	1.00	70.3	
1P	2243	88	14	23	23	14	1.00	1.00	75.0	
2	2749	62	20	23	23	14	1.00	1.00	82.0	
7	2101	49	18	23	23	14	1.00	1.00	65.5	
8	2459	55	14	23	23	14	1.00	1.00	70.1	

ASTA NUM. 425 NI 191 NF 190 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4800	-14	88	0	74	26	89.2	38.7	7.5	0.0	128.0	1	
1B	0	-4800	8	88	0	74	-32	89.2	42.8	7.5	0.0	132.0	1	
1C	0	-4800	-14	-127	0	-97	26	89.2	44.5	10.8	0.0	133.8	1	
1D	0	-4800	8	-127	0	-97	-32	89.2	48.6	10.8	0.0	137.8	1	
1E	0	3412	-14	88	0	74	26	63.4	38.7	7.5	0.0	102.2	1	
1F	0	3412	8	88	0	74	-32	63.4	42.8	7.5	0.0	106.2	1	
1G	0	3412	-14	-127	0	-97	26	63.4	44.5	10.8	0.0	108.0	1	
1H	0	3412	8	-127	0	-97	-32	63.4	48.6	10.8	0.0	112.0	1	
1I	0	-2418	-19	68	0	86	8	44.9	28.3	5.8	0.0	73.2	1	
1J	0	-2418	12	68	0	86	-14	44.9	32.3	5.8	0.0	77.3	1	
1K	0	-2418	-19	-107	0	-109	8	44.9	34.1	9.1	0.0	79.0	1	
1L	0	-2418	12	-107	0	-109	-14	44.9	38.1	9.1	0.0	83.1	1	
1M	0	1030	-19	68	0	86	8	19.1	28.3	5.8	0.0	47.4	1	
1N	0	1030	12	68	0	86	-14	19.1	32.3	5.8	0.0	51.5	1	
1O	0	1030	-19	-107	0	-109	8	19.1	34.1	9.1	0.0	53.2	1	
1P	0	1030	12	-107	0	-109	-14	19.1	38.1	9.1	0.0	57.3	1	
2	0	-1641	-21	-238	0	-108	-16	30.5	39.4	20.2	0.0	69.9	1	
7	0	-1532	-19	-193	0	-90	-14	28.5	33.9	16.3	0.0	62.4	1	
8	0	-1322	-15	-211	0	-93	-11	24.6	32.0	17.9	0.0	56.5	1	
1A	55	-4777	-14	88	0	21	30	88.8	27.9	7.5	0.0	116.6	1	
1B	55	-4777	8	88	0	21	-39	88.8	34.8	7.5	0.0	123.6	1	
1C	55	-4777	-14	-127	0	-22	30	88.8	28.1	10.8	0.0	116.9	1	
1D	55	-4777	8	-127	0	-22	-39	88.8	35.0	10.8	0.0	123.8	1	
1E	55	3435	-14	88	0	21	30	63.9	27.9	7.5	0.0	91.7	1	
1F	55	3435	8	88	0	21	-39	63.9	34.8	7.5	0.0	98.6	1	
1G	55	3435	-14	-127	0	-22	30	63.9	28.1	10.8	0.0	92.0	1	
1H	55	3435	8	-127	0	-22	-39	63.9	35.0	10.8	0.0	98.9	1	
1I	55	-2395	-19	68	0	60	13	44.5	25.3	5.8	0.0	69.8	1	
1J	55	-2395	12	68	0	60	-22	44.5	32.2	5.8	0.0	76.7	1	
1K	55	-2395	-19	-107	0	-61	13	44.5	25.6	9.1	0.0	70.1	1	
1L	55	-2395	12	-107	0	-61	-22	44.5	32.5	9.1	0.0	77.0	1	
1M	55	1053	-19	68	0	60	13	19.6	25.3	5.8	0.0	44.9	1	
1N	55	1053	12	68	0	60	-22	19.6	32.2	5.8	0.0	51.8	1	
1O	55	1053	-19	-107	0	-61	13	19.6	25.6	9.1	0.0	45.1	1	
1P	55	1053	12	-107	0	-61	-22	19.6	32.5	9.1	0.0	52.0	1	
2	55	-1610	-21	-174	0	6	-27	29.9	22.0	14.8	0.0	51.9	1	
7	55	-1502	-19	-148	0	4	-25	27.9	19.8	12.5	0.0	47.7	1	
8	55	-1292	-15	-147	0	6	-19	24.0	15.8	12.5	0.0	39.8	1	
1A	111	-4754	-14	88	0	-32	34	88.4	33.2	7.5	0.0	121.5	1	
1B	111	-4754	8	88	0	-32	-47	88.4	43.0	7.5	0.0	131.3	1	
1C	111	-4754	-14	-127	0	52	34	88.4	38.5	10.8	0.0	126.9	1	
1D	111	-4754	8	-127	0	52	-47	88.4	48.3	10.8	0.0	136.6	1	
1E	111	3459	-14	88	0	-32	34	64.3	33.2	7.5	0.0	97.5	1	
1F	111	3459	8	88	0	-32	-47	64.3	43.0	7.5	0.0	107.3	1	
1G	111	3459	-14	-127	0	52	34	64.3	38.5	10.8	0.0	102.8	1	
1H	111	3459	8	-127	0	52	-47	64.3	48.3	10.8	0.0	112.6	1	
1I	111	-2371	-19	68	0	34	18	44.1	22.4	5.8	0.0	66.4	1	
1J	111	-2371	12	68	0	34	-31	44.1	32.1	5.8	0.0	76.2	1	
1K	111	-2371	-19	-107	0	-13	18	44.1	17.0	9.1	0.0	61.1	1	
1L	111	-2371	12	-107	0	-13	-31	44.1	26.8	9.1	0.0	70.9	1	
1M	111	1077	-19	68	0	34	18	20.0	22.4	5.8	0.0	42.4	1	
1N	111	1077	12	68	0	34	-31	20.0	32.1	5.8	0.0	52.2	1	
1O	111	1077	-19	-107	0	-13	18	20.0	17.0	9.1	0.0	37.1	1	

1P	111	1077	12	-107	0	-13	-31	20.0	26.8	9.1	0.0	46.8	1
2	111	-1580	-21	-110	0	85	-39	29.4	51.0	9.3	0.0	80.4	1
7	111	-1472	-19	-103	0	74	-36	27.4	45.6	8.8	0.0	73.0	1
8	111	-1261	-15	-84	0	70	-27	23.4	38.5	7.1	0.0	62.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4800	32	31	23	23	14	1.03	1.00	123.1	
1B	-4800	32	41	23	23	14	1.03	1.00	130.6	
1C	-4800	39	31	23	23	14	1.03	1.00	124.8	
1D	-4800	39	41	23	23	14	1.03	1.00	132.3	
1E	3459	32	31	23	23	14	1.00	1.00	95.4	
1F	3459	32	41	23	23	14	1.00	1.00	102.9	
1G	3459	39	31	23	23	14	1.00	1.00	97.2	
1H	3459	39	41	23	23	14	1.00	1.00	104.6	
1I	-2418	65	14	23	23	14	1.03	1.00	73.7	
1J	-2418	65	24	23	23	14	1.03	1.00	81.2	
1K	-2418	71	14	23	23	14	1.03	1.00	75.1	
1L	-2418	71	24	23	23	14	1.03	1.00	82.6	
1M	1077	65	14	23	23	14	1.00	1.00	47.4	
1N	1077	65	24	23	23	14	1.00	1.00	54.9	
1O	1077	71	14	23	23	14	1.00	1.00	48.8	
1P	1077	71	24	23	23	14	1.00	1.00	56.3	
2	-1641	43	30	23	23	14	1.03	1.00	64.8	
7	-1532	36	27	23	23	14	1.03	1.00	58.9	
8	-1322	37	21	23	23	14	1.03	1.00	50.4	

ASTA NUM. 426 NI 190 NF 189 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4650	-15	127	0	79	37	86.4	48.0	10.8	0.0	134.4	1	
1B	0	-4650	10	127	0	79	-50	86.4	57.6	10.8	0.0	144.0	1	
1C	0	-4650	-15	-107	0	-62	37	86.4	43.4	9.1	0.0	129.9	1	
1D	0	-4650	10	-107	0	-62	-50	86.4	53.0	9.1	0.0	139.5	1	
1E	0	3346	-15	127	0	79	37	62.2	48.0	10.8	0.0	110.2	1	
1F	0	3346	10	127	0	79	-50	62.2	57.6	10.8	0.0	119.8	1	
1G	0	3346	-15	-107	0	-62	37	62.2	43.4	9.1	0.0	105.6	1	
1H	0	3346	10	-107	0	-62	-50	62.2	53.0	9.1	0.0	115.2	1	
1I	0	-2314	-21	63	0	54	16	43.0	25.6	5.4	0.0	68.6	1	
1J	0	-2314	15	63	0	54	-29	43.0	35.2	5.4	0.0	78.2	1	
1K	0	-2314	-21	-44	0	-36	16	43.0	21.0	3.7	0.0	64.0	1	
1L	0	-2314	15	-44	0	-36	-29	43.0	30.6	3.7	0.0	73.6	1	
1M	0	1010	-21	63	0	54	16	18.8	25.6	5.4	0.0	44.3	1	
1N	0	1010	15	63	0	54	-29	18.8	35.2	5.4	0.0	53.9	1	
1O	0	1010	-21	-44	0	-36	16	18.8	21.0	3.7	0.0	39.8	1	
1P	0	1010	15	-44	0	-36	-29	18.8	30.6	3.7	0.0	49.4	1	
2	0	-1811	-19	-103	0	26	-37	33.7	34.6	8.7	0.0	68.3	1	
7	0	-1662	-17	-74	0	26	-34	30.9	31.8	6.3	0.0	62.7	1	
8	0	-1460	-14	-97	0	20	-26	27.1	24.8	8.3	0.0	51.9	1	
1A	55	-4627	-15	127	0	4	42	86.0	32.4	10.8	0.0	118.4	1	
1B	55	-4627	10	127	0	4	-58	86.0	44.4	10.8	0.0	130.4	1	
1C	55	-4627	-15	-107	0	3	42	86.0	32.2	9.1	0.0	118.2	1	
1D	55	-4627	10	-107	0	3	-58	86.0	44.3	9.1	0.0	130.3	1	
1E	55	3370	-15	127	0	4	42	62.6	32.4	10.8	0.0	95.0	1	
1F	55	3370	10	127	0	4	-58	62.6	44.4	10.8	0.0	107.1	1	
1G	55	3370	-15	-107	0	3	42	62.6	32.2	9.1	0.0	94.9	1	
1H	55	3370	10	-107	0	3	-58	62.6	44.3	9.1	0.0	106.9	1	
1I	55	-2290	-21	63	0	2	24	42.6	18.5	5.4	0.0	61.0	1	
1J	55	-2290	15	63	0	2	-40	42.6	30.5	5.4	0.0	73.1	1	
1K	55	-2290	-21	-44	0	4	24	42.6	19.1	3.7	0.0	61.6	1	
1L	55	-2290	15	-44	0	4	-40	42.6	31.1	3.7	0.0	73.7	1	
1M	55	1033	-21	63	0	2	24	19.2	18.5	5.4	0.0	37.7	1	
1N	55	1033	15	63	0	2	-40	19.2	30.5	5.4	0.0	49.7	1	
1O	55	1033	-21	-44	0	4	24	19.2	19.1	3.7	0.0	38.3	1	
1P	55	1033	15	-44	0	4	-40	19.2	31.1	3.7	0.0	50.3	1	
2	55	-1780	-19	-39	0	66	-48	33.1	52.7	3.3	0.0	85.8	1	
7	55	-1632	-17	-30	0	54	-43	30.3	46.4	2.5	0.0	76.7	1	
8	55	-1430	-14	-33	0	56	-34	26.6	39.8	2.8	0.0	66.4	1	
1A	111	-4604	-15	127	0	-72	47	85.6	53.8	10.8	0.0	139.4	1	
1B	111	-4604	10	127	0	-72	-67	85.6	68.3	10.8	0.0	153.9	1	
1C	111	-4604	-15	-107	0	67	47	85.6	52.7	9.1	0.0	138.3	1	
1D	111	-4604	10	-107	0	67	-67	85.6	67.2	9.1	0.0	152.7	1	
1E	111	3393	-15	127	0	-72	47	63.1	53.8	10.8	0.0	116.9	1	
1F	111	3393	10	127	0	-72	-67	63.1	68.3	10.8	0.0	131.4	1	
1G	111	3393	-15	-107	0	67	47	63.1	52.7	9.1	0.0	115.8	1	
1H	111	3393	10	-107	0	67	-67	63.1	67.2	9.1	0.0	130.2	1	
1I	111	-2267	-21	63	0	-49	32	42.1	36.7	5.4	0.0	78.8	1	
1J	111	-2267	15	63	0	-49	-51	42.1	51.2	5.4	0.0	93.3	1	
1K	111	-2267	-21	-44	0	45	32	42.1	35.6	3.7	0.0	77.7	1	
1L	111	-2267	15	-44	0	45	-51	42.1	50.0	3.7	0.0	92.2	1	
1M	111	1056	-21	63	0	-49	32	19.6	36.7	5.4	0.0	56.3	1	
1N	111	1056	15	63	0	-49	-51	19.6	51.2	5.4	0.0	70.8	1	
1O	111	1056	-21	-44	0	45	32	19.6	35.6	3.7	0.0	55.2	1	
1P	111	1056	15	-44	0	45	-51	19.6	50.0	3.7	0.0	69.7	1	

2	111	-1750	-19	25	0	69	-59	32.5	61.7	2.1	0.0	94.3	1
7	111	-1601	-17	15	0	58	-53	29.8	54.7	1.3	0.0	84.4	1
8	111	-1399	-14	30	0	57	-41	26.0	45.7	2.6	0.0	71.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4650	32	43	23	23	14	1.03	1.00	129.5	
1B	-4650	32	60	23	23	14	1.03	1.00	142.0	
1C	-4650	27	43	23	23	14	1.03	1.00	128.3	
1D	-4650	27	60	23	23	14	1.03	1.00	140.8	
1E	3393	32	43	23	23	14	1.00	1.00	103.5	
1F	3393	32	60	23	23	14	1.00	1.00	116.0	
1G	3393	27	43	23	23	14	1.00	1.00	102.3	
1H	3393	27	60	23	23	14	1.00	1.00	114.8	
1I	-2314	21	26	23	23	14	1.03	1.00	69.0	
1J	-2314	21	42	23	23	14	1.03	1.00	81.5	
1K	-2314	18	26	23	23	14	1.03	1.00	68.1	
1L	-2314	18	42	23	23	14	1.03	1.00	80.6	
1M	1056	21	26	23	23	14	1.00	1.00	44.3	
1N	1056	21	42	23	23	14	1.00	1.00	56.8	
1O	1056	18	26	23	23	14	1.00	1.00	43.4	
1P	1056	18	42	23	23	14	1.00	1.00	55.9	
2	-1811	52	50	23	23	14	1.03	1.00	85.6	
7	-1662	45	45	23	23	14	1.03	1.00	77.4	
8	-1460	42	35	23	23	14	1.03	1.00	65.3	

ASTA NUM. 427 NI 189 NF 188 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3400	-9	47	0	36	59	63.2	53.7	4.0	0.0	116.9	1	
1B	0	-3400	13	47	0	36	-82	63.2	70.6	4.0	0.0	133.8	1	
1C	0	-3400	-9	-76	0	-42	59	63.2	55.2	6.4	0.0	118.4	1	
1D	0	-3400	13	-76	0	-42	-82	63.2	72.1	6.4	0.0	135.3	1	
1E	0	2031	-9	47	0	36	59	37.7	53.7	4.0	0.0	91.5	1	
1F	0	2031	13	47	0	36	-82	37.7	70.6	4.0	0.0	108.3	1	
1G	0	2031	-9	-76	0	-42	59	37.7	55.2	6.4	0.0	93.0	1	
1H	0	2031	13	-76	0	-42	-82	37.7	72.1	6.4	0.0	109.8	1	
1I	0	-2109	-15	47	0	41	33	39.2	35.6	4.0	0.0	74.8	1	
1J	0	-2109	19	47	0	41	-56	39.2	52.4	4.0	0.0	91.6	1	
1K	0	-2109	-15	-76	0	-47	33	39.2	37.1	6.4	0.0	76.3	1	
1L	0	-2109	19	-76	0	-47	-56	39.2	53.9	6.4	0.0	93.1	1	
1M	0	740	-15	47	0	41	33	13.8	35.6	4.0	0.0	49.3	1	
1N	0	740	19	47	0	41	-56	13.8	52.4	4.0	0.0	66.2	1	
1O	0	740	-15	-76	0	-47	33	13.8	37.1	6.4	0.0	50.8	1	
1P	0	740	19	-76	0	-47	-56	13.8	53.9	6.4	0.0	67.7	1	
2	0	-4031	7	-165	0	31	-66	74.9	57.1	14.0	0.0	132.0	1	
7	0	-3481	6	-130	0	27	-59	64.7	51.1	11.0	0.0	115.8	1	
8	0	-3353	5	-149	0	24	-47	62.3	41.1	12.6	0.0	103.4	1	
1A	55	-3376	-9	47	0	10	60	62.8	47.3	4.0	0.0	110.0	1	
1B	55	-3376	13	47	0	10	-80	62.8	62.4	4.0	0.0	125.2	1	
1C	55	-3376	-9	-76	0	0	60	62.8	44.7	6.4	0.0	107.5	1	
1D	55	-3376	13	-76	0	0	-80	62.8	59.9	6.4	0.0	122.7	1	
1E	55	2054	-9	47	0	10	60	38.2	47.3	4.0	0.0	85.4	1	
1F	55	2054	13	47	0	10	-80	38.2	62.4	4.0	0.0	100.6	1	
1G	55	2054	-9	-76	0	0	60	38.2	44.7	6.4	0.0	82.9	1	
1H	55	2054	13	-76	0	0	-80	38.2	59.9	6.4	0.0	98.1	1	
1I	55	-2086	-15	47	0	15	41	38.8	34.6	4.0	0.0	73.4	1	
1J	55	-2086	19	47	0	15	-62	38.8	49.8	4.0	0.0	88.6	1	
1K	55	-2086	-15	-76	0	-4	41	38.8	32.0	6.4	0.0	70.8	1	
1L	55	-2086	19	-76	0	-4	-62	38.8	47.2	6.4	0.0	85.9	1	
1M	55	764	-15	47	0	15	41	14.2	34.6	4.0	0.0	48.8	1	
1N	55	764	19	47	0	15	-62	14.2	49.8	4.0	0.0	64.0	1	
1O	55	764	-15	-76	0	-4	41	14.2	32.0	6.4	0.0	46.2	1	
1P	55	764	19	-76	0	-4	-62	14.2	47.2	6.4	0.0	61.4	1	
2	55	-4000	7	-101	0	105	-62	74.4	73.1	8.5	0.0	147.5	1	
7	55	-3450	6	-86	0	87	-56	64.1	64.1	7.3	0.0	128.2	1	
8	55	-3323	5	-85	0	89	-44	61.8	55.6	7.2	0.0	117.4	1	
1A	111	-3353	-9	47	0	-16	60	62.3	49.1	4.0	0.0	111.5	1	
1B	111	-3353	13	47	0	-16	-78	62.3	62.7	4.0	0.0	125.0	1	
1C	111	-3353	-9	-76	0	43	60	62.3	55.9	6.4	0.0	118.3	1	
1D	111	-3353	13	-76	0	43	-78	62.3	69.5	6.4	0.0	131.8	1	
1E	111	2078	-9	47	0	-16	60	38.6	49.1	4.0	0.0	87.8	1	
1F	111	2078	13	47	0	-16	-78	38.6	62.7	4.0	0.0	101.3	1	
1G	111	2078	-9	-76	0	43	60	38.6	55.9	6.4	0.0	94.6	1	
1H	111	2078	13	-76	0	43	-78	38.6	69.5	6.4	0.0	108.1	1	
1I	111	-2062	-15	47	0	-12	49	38.3	40.0	4.0	0.0	78.3	1	
1J	111	-2062	19	47	0	-12	-67	38.3	53.5	4.0	0.0	91.9	1	
1K	111	-2062	-15	-76	0	39	49	38.3	46.8	6.4	0.0	85.1	1	
1L	111	-2062	19	-76	0	39	-67	38.3	60.3	6.4	0.0	98.6	1	
1M	111	787	-15	47	0	-12	49	14.6	40.0	4.0	0.0	54.6	1	
1N	111	787	19	47	0	-12	-67	14.6	53.5	4.0	0.0	68.2	1	
1O	111	787	-15	-76	0	39	49	14.6	46.8	6.4	0.0	61.4	1	
1P	111	787	19	-76	0	39	-67	14.6	60.3	6.4	0.0	74.9	1	
2	111	-3970	7	-37	0	143	-58	73.8	80.0	3.1	0.0	153.8	1	

7	111	-3420	6	-41	0	122	-52	63.6	70.7	3.5	0.0	134.2	1
8	111	-3293	5	-21	0	118	-41	61.2	61.0	1.8	0.0	122.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3400	15	60	23	23	14	1.03	1.00	113.8	
1B	-3400	15	80	23	23	14	1.03	1.00	129.3	
1C	-3400	17	60	23	23	14	1.03	1.00	114.3	
1D	-3400	17	80	23	23	14	1.03	1.00	129.7	
1E	2078	15	60	23	23	14	1.00	1.00	87.3	
1F	2078	15	80	23	23	14	1.00	1.00	102.7	
1G	2078	17	60	23	23	14	1.00	1.00	87.7	
1H	2078	17	80	23	23	14	1.00	1.00	103.1	
1I	-2109	20	43	23	23	14	1.03	1.00	77.6	
1J	-2109	20	63	23	23	14	1.03	1.00	92.5	
1K	-2109	19	43	23	23	14	1.03	1.00	77.4	
1L	-2109	19	63	23	23	14	1.03	1.00	92.2	
1M	787	20	43	23	23	14	1.00	1.00	51.8	
1N	787	20	63	23	23	14	1.00	1.00	66.7	
1O	787	19	43	23	23	14	1.00	1.00	51.6	
1P	787	19	63	23	23	14	1.00	1.00	66.4	
2	-4031	98	62	23	23	14	1.03	1.00	149.3	
7	-3481	84	56	23	23	14	1.03	1.00	130.5	
8	-3353	81	44	23	23	14	1.03	1.00	118.2	

ASTA NUM. 428 NI 188 NF 187 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3261	-12	84	0	64	78	60.6	74.7	7.1	0.0	135.3	1	
1B	0	-3261	26	84	0	64	-102	60.6	92.7	7.1	0.0	153.3	1	
1C	0	-3261	-12	-72	0	-40	78	60.6	68.5	6.1	0.0	129.1	1	
1D	0	-3261	26	-72	0	-40	-102	60.6	86.4	6.1	0.0	147.1	1	
1E	0	1981	-12	84	0	64	78	36.8	74.7	7.1	0.0	111.5	1	
1F	0	1981	26	84	0	64	-102	36.8	92.7	7.1	0.0	129.5	1	
1G	0	1981	-12	-72	0	-40	78	36.8	68.5	6.1	0.0	105.3	1	
1H	0	1981	26	-72	0	-40	-102	36.8	86.4	6.1	0.0	123.2	1	
1I	0	-2070	-8	44	0	34	57	38.5	51.5	3.7	0.0	90.0	1	
1J	0	-2070	23	44	0	34	-81	38.5	69.4	3.7	0.0	107.9	1	
1K	0	-2070	-8	-32	0	-10	57	38.5	45.3	2.7	0.0	83.7	1	
1L	0	-2070	23	-32	0	-10	-81	38.5	63.2	2.7	0.0	101.7	1	
1M	0	789	-8	44	0	34	57	14.7	51.5	3.7	0.0	66.2	1	
1N	0	789	23	44	0	34	-81	14.7	69.4	3.7	0.0	84.1	1	
1O	0	789	-8	-32	0	-10	57	14.7	45.3	2.7	0.0	59.9	1	
1P	0	789	23	-32	0	-10	-81	14.7	63.2	2.7	0.0	77.9	1	
2	0	-4055	35	-62	0	121	-74	75.4	86.4	5.2	0.0	161.8	1	
7	0	-3490	31	-42	0	104	-67	64.9	76.6	3.5	0.0	141.5	1	
8	0	-3366	26	-61	0	100	-53	62.6	65.0	5.1	0.0	127.5	1	
1A	55	-3238	-12	84	0	16	74	60.2	59.6	7.1	0.0	119.8	1	
1B	55	-3238	26	84	0	16	-90	60.2	71.5	7.1	0.0	131.7	1	
1C	55	-3238	-12	-72	0	2	74	60.2	56.0	6.1	0.0	116.1	1	
1D	55	-3238	26	-72	0	2	-90	60.2	67.9	6.1	0.0	128.1	1	
1E	55	2004	-12	84	0	16	74	37.2	59.6	7.1	0.0	96.8	1	
1F	55	2004	26	84	0	16	-90	37.2	71.5	7.1	0.0	108.8	1	
1G	55	2004	-12	-72	0	2	74	37.2	56.0	6.1	0.0	93.2	1	
1H	55	2004	26	-72	0	2	-90	37.2	67.9	6.1	0.0	105.1	1	
1I	55	-2047	-8	44	0	4	62	38.0	47.6	3.7	0.0	85.7	1	
1J	55	-2047	23	44	0	4	-78	38.0	59.6	3.7	0.0	97.6	1	
1K	55	-2047	-8	-32	0	14	62	38.0	50.2	2.7	0.0	88.2	1	
1L	55	-2047	23	-32	0	14	-78	38.0	62.1	2.7	0.0	100.2	1	
1M	55	813	-8	44	0	4	62	15.1	47.6	3.7	0.0	62.7	1	
1N	55	813	23	44	0	4	-78	15.1	59.6	3.7	0.0	74.7	1	
1O	55	813	-8	-32	0	14	62	15.1	50.2	2.7	0.0	65.3	1	
1P	55	813	23	-32	0	14	-78	15.1	62.1	2.7	0.0	77.2	1	
2	55	-4025	35	2	0	137	-54	74.8	76.0	1.3	0.0	150.8	1	
7	55	-3460	31	3	0	115	-50	64.3	66.7	1.1	0.0	131.0	1	
8	55	-3336	26	3	0	115	-38	62.0	58.4	1.0	0.0	120.4	1	
1A	111	-3215	-12	84	0	-32	71	59.8	61.1	7.1	0.0	120.9	1	
1B	111	-3215	26	84	0	-32	-78	59.8	67.1	7.1	0.0	126.8	1	
1C	111	-3215	-12	-72	0	44	71	59.8	64.0	6.1	0.0	123.8	1	
1D	111	-3215	26	-72	0	44	-78	59.8	69.9	6.1	0.0	129.7	1	
1E	111	2027	-12	84	0	-32	71	37.7	61.1	7.1	0.0	98.8	1	
1F	111	2027	26	84	0	-32	-78	37.7	67.1	7.1	0.0	104.7	1	
1G	111	2027	-12	-72	0	44	71	37.7	64.0	6.1	0.0	101.7	1	
1H	111	2027	26	-72	0	44	-78	37.7	69.9	6.1	0.0	107.6	1	
1I	111	-2023	-8	44	0	-27	68	37.6	57.4	3.7	0.0	95.0	1	
1J	111	-2023	23	44	0	-27	-76	37.6	63.4	3.7	0.0	101.0	1	
1K	111	-2023	-8	-32	0	38	68	37.6	60.3	2.7	0.0	97.9	1	
1L	111	-2023	23	-32	0	38	-76	37.6	66.2	2.7	0.0	103.8	1	
1M	111	836	-8	44	0	-27	68	15.5	57.4	3.7	0.0	73.0	1	
1N	111	836	23	44	0	-27	-76	15.5	63.4	3.7	0.0	78.9	1	
1O	111	836	-8	-32	0	38	68	15.5	60.3	2.7	0.0	75.8	1	
1P	111	836	23	-32	0	38	-76	15.5	66.2	2.7	0.0	81.8	1	
2	111	-3995	35	66	0	118	-35	74.3	56.6	5.6	0.0	130.8	1	
7	111	-3429	31	48	0	101	-33	63.7	50.4	4.0	0.0	114.1	1	

8	111	-3305	26	67	0	96	-24	61.4	42.7	5.7	0.0	104.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3261	26	75	23	23	14	1.03	1.00	125.2	
1B	-3261	26	92	23	23	14	1.03	1.00	138.3	
1C	-3261	17	75	23	23	14	1.03	1.00	123.0	
1D	-3261	17	92	23	23	14	1.03	1.00	136.2	
1E	2027	26	75	23	23	14	1.00	1.00	100.3	
1F	2027	26	92	23	23	14	1.00	1.00	113.5	
1G	2027	17	75	23	23	14	1.00	1.00	98.2	
1H	2027	17	92	23	23	14	1.00	1.00	111.3	
1I	-2070	14	63	23	23	14	1.03	1.00	90.6	
1J	-2070	14	79	23	23	14	1.03	1.00	102.2	
1K	-2070	19	63	23	23	14	1.03	1.00	91.9	
1L	-2070	19	79	23	23	14	1.03	1.00	103.4	
1M	836	14	63	23	23	14	1.00	1.00	66.5	
1N	836	14	79	23	23	14	1.00	1.00	78.0	
1O	836	19	63	23	23	14	1.00	1.00	67.7	
1P	836	19	79	23	23	14	1.00	1.00	79.3	
2	-4055	120	58	23	23	14	1.03	1.00	152.2	
7	-3490	103	53	23	23	14	1.03	1.00	133.0	
8	-3366	98	41	23	23	14	1.03	1.00	120.6	

ASTA NUM. 429 NI 187 NF 186 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1867	-79	9	0	18	112	34.7	88.6	3.0	0.0	123.3	1	
1B	0	-1867	133	9	0	18	-131	34.7	102.9	5.0	0.0	137.6	1	
1C	0	-1867	-79	-25	0	-7	112	34.7	85.7	3.0	0.0	120.4	1	
1D	0	-1867	133	-25	0	-7	-131	34.7	100.0	5.0	0.0	134.7	1	
1E	0	633	-79	9	0	18	112	11.8	88.6	3.0	0.0	100.4	1	
1F	0	633	133	9	0	18	-131	11.8	102.9	5.0	0.0	114.7	1	
1G	0	633	-79	-25	0	-7	112	11.8	85.7	3.0	0.0	97.5	1	
1H	0	633	133	-25	0	-7	-131	11.8	100.0	5.0	0.0	111.8	1	
1I	0	-2041	-51	25	0	23	93	37.9	75.6	2.2	0.0	113.6	1	
1J	0	-2041	105	25	0	23	-112	37.9	90.0	3.9	0.0	127.9	1	
1K	0	-2041	-51	-42	0	-12	93	37.9	72.7	3.5	0.0	110.7	1	
1L	0	-2041	105	-42	0	-12	-112	37.9	87.1	3.9	0.0	125.0	1	
1M	0	807	-51	25	0	23	93	15.0	75.6	2.2	0.0	90.7	1	
1N	0	807	105	25	0	23	-112	15.0	90.0	3.9	0.0	105.0	1	
1O	0	807	-51	-42	0	-12	93	15.0	72.7	3.5	0.0	87.8	1	
1P	0	807	105	-42	0	-12	-112	15.0	87.1	3.9	0.0	102.1	1	
2	0	-4077	150	-79	0	119	-68	75.8	81.4	6.7	0.0	157.2	1	
7	0	-3473	132	-57	0	102	-62	64.6	72.9	4.9	0.0	137.4	1	
8	0	-3386	109	-77	0	96	-48	62.9	60.5	6.5	0.0	123.5	1	
1A	55	-1843	-79	9	0	27	76	34.3	63.8	3.0	0.0	98.1	1	
1B	55	-1843	133	9	0	27	-65	34.3	55.6	5.0	0.0	89.9	1	
1C	55	-1843	-79	-25	0	-7	76	34.3	58.6	3.0	0.0	92.8	1	
1D	55	-1843	133	-25	0	-7	-65	34.3	50.4	5.0	0.0	84.7	1	
1E	55	657	-79	9	0	27	76	12.2	63.8	3.0	0.0	76.0	1	
1F	55	657	133	9	0	27	-65	12.2	55.6	5.0	0.0	67.8	1	
1G	55	657	-79	-25	0	-7	76	12.2	58.6	3.0	0.0	70.8	1	
1H	55	657	133	-25	0	-7	-65	12.2	50.4	5.0	0.0	62.6	1	
1I	55	-2018	-51	25	0	44	76	37.5	68.3	2.2	0.0	105.8	1	
1J	55	-2018	105	25	0	44	-65	37.5	60.1	3.9	0.0	97.6	1	
1K	55	-2018	-51	-42	0	-23	76	37.5	63.1	3.5	0.0	100.6	1	
1L	55	-2018	105	-42	0	-23	-65	37.5	54.9	3.9	0.0	92.4	1	
1M	55	831	-51	25	0	44	76	15.4	68.3	2.2	0.0	83.7	1	
1N	55	831	105	25	0	44	-65	15.4	60.1	3.9	0.0	75.6	1	
1O	55	831	-51	-42	0	-23	76	15.4	63.1	3.5	0.0	78.5	1	
1P	55	831	105	-42	0	-23	-65	15.4	54.9	3.9	0.0	70.4	1	
2	55	-4046	150	-15	0	145	15	75.2	48.6	5.6	0.0	123.8	1	
7	55	-3443	132	-13	0	122	11	64.0	39.2	4.9	0.0	103.2	1	
8	55	-3356	109	-13	0	121	13	62.4	40.7	4.1	0.0	103.0	1	
1A	111	-1820	-79	9	0	36	40	33.8	39.0	3.0	0.0	72.8	1	
1B	111	-1820	133	9	0	36	1	33.8	10.0	5.0	0.0	43.8	1	
1C	111	-1820	-79	-25	0	-6	40	33.8	31.4	3.0	0.0	65.3	1	
1D	111	-1820	133	-25	0	-6	1	33.8	2.5	5.0	0.0	36.5	3	
1E	111	680	-79	9	0	36	40	12.6	39.0	3.0	0.0	51.6	1	
1F	111	680	133	9	0	36	1	12.6	10.0	5.0	0.0	22.7	1	
1G	111	680	-79	-25	0	-6	40	12.6	31.4	3.0	0.0	44.1	1	
1H	111	680	133	-25	0	-6	1	12.6	2.5	5.0	0.0	16.9	3	
1I	111	-1994	-51	25	0	64	59	37.1	60.9	2.2	0.0	98.0	1	
1J	111	-1994	105	25	0	64	-18	37.1	30.3	3.9	0.0	67.4	1	
1K	111	-1994	-51	-42	0	-35	59	37.1	53.4	3.5	0.0	90.5	1	
1L	111	-1994	105	-42	0	-35	-18	37.1	22.8	3.9	0.0	59.9	1	
1M	111	854	-51	25	0	64	59	15.9	60.9	2.2	0.0	76.8	1	
1N	111	854	105	25	0	64	-18	15.9	30.3	3.9	0.0	46.2	1	
1O	111	854	-51	-42	0	-35	59	15.9	53.4	3.5	0.0	69.3	1	
1P	111	854	105	-42	0	-35	-18	15.9	22.8	3.9	0.0	38.7	1	
2	111	-4016	150	49	0	136	98	74.6	108.1	5.6	0.0	182.7	1	
7	111	-3413	132	32	0	116	83	63.4	92.4	4.9	0.0	155.8	1	
8	111	-3325	109	51	0	111	73	61.8	83.3	4.3	0.0	145.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1867	29	83	23	23	14	1.03	1.00	105.5	
1B	-1867	29	78	23	23	14	1.03	1.00	101.8	
1C	-1867	7	83	23	23	14	1.03	1.00	99.8	
1D	-1867	7	78	23	23	14	1.03	1.00	96.1	
1E	680	29	83	23	23	14	1.00	1.00	82.3	
1F	680	29	78	23	23	14	1.00	1.00	78.6	
1G	680	7	83	23	23	14	1.00	1.00	76.6	
1H	680	7	78	23	23	14	1.00	1.00	73.0	
1I	-2041	48	80	23	23	14	1.03	1.00	111.0	
1J	-2041	48	75	23	23	14	1.03	1.00	107.4	
1K	-2041	26	80	23	23	14	1.03	1.00	105.4	
1L	-2041	26	75	23	23	14	1.03	1.00	101.7	
1M	854	48	80	23	23	14	1.00	1.00	87.8	
1N	854	48	75	23	23	14	1.00	1.00	84.1	
1O	854	26	80	23	23	14	1.00	1.00	82.1	
1P	854	26	75	23	23	14	1.00	1.00	78.4	
2	-4077	129	39	23	23	14	1.03	1.00	140.6	
7	-3473	111	33	23	23	14	1.03	1.00	120.0	
8	-3386	105	29	23	23	14	1.03	1.00	113.8	

ASTA NUM. 430 NI 186 NF 185 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1700	-143	82	0	58	74	31.6	70.0	7.0	0.0	101.6	1	
1B	0	-1700	227	82	0	58	-39	31.6	43.8	8.5	0.0	75.5	1	
1C	0	-1700	-143	-135	0	-27	74	31.6	62.1	11.5	0.0	93.7	1	
1D	0	-1700	227	-135	0	-27	-39	31.6	36.0	11.5	0.0	67.6	1	
1E	0	571	-143	82	0	58	74	10.6	70.0	7.0	0.0	80.6	1	
1F	0	571	227	82	0	58	-39	10.6	43.8	8.5	0.0	54.5	1	
1G	0	571	-143	-135	0	-27	74	10.6	62.1	11.5	0.0	72.7	1	
1H	0	571	227	-135	0	-27	-39	10.6	36.0	11.5	0.0	46.6	1	
1I	0	-1967	-109	40	0	68	83	36.6	79.8	4.1	0.0	116.4	1	
1J	0	-1967	193	40	0	68	-48	36.6	53.7	7.2	0.0	90.2	1	
1K	0	-1967	-109	-93	0	-38	83	36.6	71.9	7.9	0.0	108.5	1	
1L	0	-1967	193	-93	0	-38	-48	36.6	45.8	7.9	0.0	82.3	1	
1M	0	838	-109	40	0	68	83	15.6	79.8	4.1	0.0	95.4	1	
1N	0	838	193	40	0	68	-48	15.6	53.7	7.2	0.0	69.2	1	
1O	0	838	-109	-93	0	-38	83	15.6	71.9	7.9	0.0	87.5	1	
1P	0	838	193	-93	0	-38	-48	15.6	45.8	7.9	0.0	61.3	1	
2	0	-3925	239	-142	0	157	77	73.0	98.2	12.0	0.0	171.1	1	
7	0	-3334	212	-113	0	134	64	62.0	82.8	9.6	0.0	144.8	1	
8	0	-3249	175	-118	0	128	59	60.4	77.0	10.0	0.0	137.3	1	
1A	55	-1677	-143	82	0	-1	-11	31.2	8.5	7.0	0.0	39.6	1	
1B	55	-1677	227	82	0	-1	93	31.2	69.6	8.5	0.0	100.8	1	
1C	55	-1677	-143	-135	0	61	-11	31.2	23.9	11.5	0.0	55.1	1	
1D	55	-1677	227	-135	0	61	93	31.2	85.1	11.5	0.0	116.2	1	
1E	55	594	-143	82	0	-1	-11	11.0	8.5	7.0	0.0	19.5	1	
1F	55	594	227	82	0	-1	93	11.0	69.6	8.5	0.0	80.6	1	
1G	55	594	-143	-135	0	61	-11	11.0	23.9	11.5	0.0	35.0	1	
1H	55	594	227	-135	0	61	93	11.0	85.1	11.5	0.0	96.1	1	
1I	55	-1944	-109	40	0	108	7	36.1	33.1	4.1	0.0	69.3	1	
1J	55	-1944	193	40	0	108	74	36.1	83.4	7.2	0.0	119.6	1	
1K	55	-1944	-109	-93	0	-48	7	36.1	17.7	7.9	0.0	53.8	1	
1L	55	-1944	193	-93	0	-48	74	36.1	68.0	7.9	0.0	104.1	1	
1M	55	861	-109	40	0	108	7	16.0	33.1	4.1	0.0	49.1	1	
1N	55	861	193	40	0	108	74	16.0	83.4	7.2	0.0	99.4	1	
1O	55	861	-109	-93	0	-48	7	16.0	17.7	7.9	0.0	33.7	1	
1P	55	861	193	-93	0	-48	74	16.0	68.0	7.9	0.0	84.0	1	
2	55	-3894	239	-78	0	218	210	72.4	213.0	9.0	0.0	285.4	1	
7	55	-3304	212	-68	0	185	182	61.4	183.4	7.9	0.0	244.8	1	
8	55	-3219	175	-54	0	176	155	59.8	161.6	6.6	0.0	221.4	1	
1A	111	-1654	-143	82	0	-59	-96	30.7	87.0	7.0	0.0	117.7	1	
1B	111	-1654	227	82	0	-59	224	30.7	183.0	8.5	0.0	213.8	1	
1C	111	-1654	-143	-135	0	149	-96	30.7	110.0	11.5	0.0	140.7	1	
1D	111	-1654	227	-135	0	149	224	30.7	206.1	11.5	0.0	236.8	1	
1E	111	617	-143	82	0	-59	-96	11.5	87.0	7.0	0.0	98.4	1	
1F	111	617	227	82	0	-59	224	11.5	183.0	8.5	0.0	194.5	1	
1G	111	617	-143	-135	0	149	-96	11.5	110.0	11.5	0.0	121.5	1	
1H	111	617	227	-135	0	149	224	11.5	206.1	11.5	0.0	217.6	1	
1I	111	-1921	-109	40	0	147	-69	35.7	89.2	4.1	0.0	124.9	1	
1J	111	-1921	193	40	0	147	197	35.7	185.3	7.2	0.0	221.0	1	
1K	111	-1921	-109	-93	0	-58	-69	35.7	66.2	7.9	0.0	101.9	1	
1L	111	-1921	193	-93	0	-58	197	35.7	162.3	7.9	0.0	198.0	1	
1M	111	885	-109	40	0	147	-69	16.4	89.2	4.1	0.0	105.7	1	
1N	111	885	193	40	0	147	197	16.4	185.3	7.2	0.0	201.8	1	
1O	111	885	-109	-93	0	-58	-69	16.4	66.2	7.9	0.0	82.6	1	
1P	111	885	193	-93	0	-58	197	16.4	162.3	7.9	0.0	178.7	1	
2	111	-3864	239	-14	0	244	342	71.8	318.7	9.0	0.0	390.5	1	
7	111	-3273	212	-23	0	210	299	60.8	277.5	7.9	0.0	338.3	1	
8	111	-3189	175	10	0	188	252	59.3	237.2	6.6	0.0	296.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1700	24	38	23	23	14	1.03	1.00	67.4	
1B	-1700	24	119	23	23	14	1.03	1.00	127.8	
1C	-1700	78	38	23	23	14	1.03	1.00	81.4	
1D	-1700	78	119	23	23	14	1.03	1.00	141.9	
1E	617	24	38	23	23	14	1.00	1.00	46.3	
1F	617	24	119	23	23	14	1.00	1.00	106.7	
1G	617	78	38	23	23	14	1.00	1.00	60.3	
1H	617	78	119	23	23	14	1.00	1.00	120.7	
1I	-1967	116	33	23	23	14	1.03	1.00	92.3	
1J	-1967	116	99	23	23	14	1.03	1.00	141.6	
1K	-1967	50	33	23	23	14	1.03	1.00	75.4	
1L	-1967	50	99	23	23	14	1.03	1.00	124.6	
1M	885	116	33	23	23	14	1.00	1.00	71.1	
1N	885	116	99	23	23	14	1.00	1.00	120.2	
1O	885	50	33	23	23	14	1.00	1.00	54.1	
1P	885	50	99	23	23	14	1.00	1.00	103.3	
2	-3925	209	236	23	23	14	1.03	1.00	306.0	
7	-3334	180	205	23	23	14	1.03	1.00	263.7	
8	-3249	164	175	23	23	14	1.03	1.00	235.5	

ASTA NUM. 431 NI 169 NF 170 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-23001	-12	285	0	505	25	427.5	148.5	24.2	0.0	576.1	1	
1B	0	-23001	12	285	0	505	-24	427.5	147.8	24.2	0.0	575.3	1	
1C	0	-23001	-12	-194	0	-394	25	427.5	119.9	16.4	0.0	547.5	1	
1D	0	-23001	12	-194	0	-394	-24	427.5	119.2	16.4	0.0	546.7	1	
1E	0	16557	-12	285	0	505	25	307.8	148.5	24.2	0.0	456.3	1	
1F	0	16557	12	285	0	505	-24	307.8	147.8	24.2	0.0	455.5	1	
1G	0	16557	-12	-194	0	-394	25	307.8	119.9	16.4	0.0	427.7	1	
1H	0	16557	12	-194	0	-394	-24	307.8	119.2	16.4	0.0	426.9	1	
1I	0	-39704	-10	262	0	934	13	738.0	250.1	22.2	0.0	988.1	1	
1J	0	-39704	10	262	0	934	-12	738.0	249.3	22.2	0.0	987.3	1	
1K	0	-39704	-10	-171	0	-823	13	738.0	221.5	14.5	0.0	959.5	1	
1L	0	-39704	10	-171	0	-823	-12	738.0	220.7	14.5	0.0	958.7	1	
1M	0	33260	-10	262	0	934	13	618.2	250.1	22.2	0.0	868.3	1	
1N	0	33260	10	262	0	934	-12	618.2	249.3	22.2	0.0	867.6	1	
1O	0	33260	-10	-171	0	-823	13	618.2	221.5	14.5	0.0	839.7	1	
1P	0	33260	10	-171	0	-823	-12	618.2	220.7	14.5	0.0	839.0	1	
2	0	6928	-4	-19	0	-191	1	128.8	50.2	1.6	0.0	179.0	1	
7	0	6951	-4	-20	0	-192	1	129.2	50.4	1.7	0.0	179.6	1	
8	0	3637	-3	4	0	-113	1	67.6	30.0	0.4	0.0	97.6	1	
1A	55	-22978	-12	285	0	383	31	427.1	121.8	24.2	0.0	548.9	1	
1B	55	-22978	12	285	0	383	-30	427.1	121.2	24.2	0.0	548.3	1	
1C	55	-22978	-12	-194	0	-322	31	427.1	106.1	16.4	0.0	533.2	1	
1D	55	-22978	12	-194	0	-322	-30	427.1	105.6	16.4	0.0	532.7	1	
1E	55	16580	-12	285	0	383	31	308.2	121.8	24.2	0.0	429.9	1	
1F	55	16580	12	285	0	383	-30	308.2	121.2	24.2	0.0	429.4	1	
1G	55	16580	-12	-194	0	-322	31	308.2	106.1	16.4	0.0	414.3	1	
1H	55	16580	12	-194	0	-322	-30	308.2	105.6	16.4	0.0	413.8	1	
1I	55	-39681	-10	262	0	800	18	737.6	219.5	22.2	0.0	957.0	1	
1J	55	-39681	10	262	0	800	-18	737.6	218.9	22.2	0.0	956.5	1	
1K	55	-39681	-10	-171	0	-739	18	737.6	203.9	14.5	0.0	941.4	1	
1L	55	-39681	10	-171	0	-739	-18	737.6	203.3	14.5	0.0	940.9	1	
1M	55	33283	-10	262	0	800	18	618.7	219.5	22.2	0.0	838.1	1	
1N	55	33283	10	262	0	800	-18	618.7	218.9	22.2	0.0	837.6	1	
1O	55	33283	-10	-171	0	-739	18	618.7	203.9	14.5	0.0	822.5	1	
1P	55	33283	10	-171	0	-739	-18	618.7	203.3	14.5	0.0	822.0	1	
2	55	6958	-4	-19	0	-181	-1	129.3	47.1	1.6	0.0	176.4	1	
7	55	6982	-4	-20	0	-181	-1	129.8	47.1	1.7	0.0	176.9	1	
8	55	3668	-3	4	0	-116	-0	68.2	30.1	0.4	0.0	98.2	1	
1A	111	-22955	-12	285	0	260	37	426.7	95.0	24.2	0.0	521.6	1	
1B	111	-22955	12	285	0	260	-37	426.7	94.7	24.2	0.0	521.4	1	
1C	111	-22955	-12	-194	0	-250	37	426.7	92.3	16.4	0.0	519.0	1	
1D	111	-22955	12	-194	0	-250	-37	426.7	92.1	16.4	0.0	518.7	1	
1E	111	16603	-12	285	0	260	37	308.6	95.0	24.2	0.0	403.6	1	
1F	111	16603	12	285	0	260	-37	308.6	94.7	24.2	0.0	403.3	1	
1G	111	16603	-12	-194	0	-250	37	308.6	92.3	16.4	0.0	401.0	1	
1H	111	16603	12	-194	0	-250	-37	308.6	92.1	16.4	0.0	400.7	1	
1I	111	-39658	-10	262	0	666	23	737.1	188.8	22.2	0.0	926.0	1	
1J	111	-39658	10	262	0	666	-23	737.1	188.5	22.2	0.0	925.7	1	
1K	111	-39658	-10	-171	0	-655	23	737.1	186.2	14.5	0.0	923.4	1	
1L	111	-39658	10	-171	0	-655	-23	737.1	185.9	14.5	0.0	923.1	1	
1M	111	33306	-10	262	0	666	23	619.1	188.8	22.2	0.0	807.9	1	
1N	111	33306	10	262	0	666	-23	619.1	188.5	22.2	0.0	807.6	1	
1O	111	33306	-10	-171	0	-655	23	619.1	186.2	14.5	0.0	805.3	1	
1P	111	33306	10	-171	0	-655	-23	619.1	185.9	14.5	0.0	805.0	1	
2	111	6989	-4	-19	0	-170	-3	129.9	45.8	1.6	0.0	175.7	1	
7	111	7012	-4	-20	0	-170	-3	130.3	45.8	1.7	0.0	176.2	1	
8	111	3698	-3	4	0	-118	-2	68.7	31.8	0.4	0.0	100.5	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-23001	407	32	23	23	14	1.03	1.00	570.1	
1B	-23001	407	32	23	23	14	1.03	1.00	569.6	
1C	-23001	336	32	23	23	14	1.03	1.00	551.8	
1D	-23001	336	32	23	23	14	1.03	1.00	551.3	
1E	16603	407	32	23	23	14	1.00	1.00	437.6	
1F	16603	407	32	23	23	14	1.00	1.00	437.1	
1G	16603	336	32	23	23	14	1.00	1.00	419.4	
1H	16603	336	32	23	23	14	1.00	1.00	418.9	
1I	-39704	827	19	23	23	14	1.03	1.00	989.1	
1J	-39704	827	19	23	23	14	1.03	1.00	988.6	
1K	-39704	756	19	23	23	14	1.03	1.00	970.7	
1L	-39704	756	19	23	23	14	1.03	1.00	970.3	
1M	33306	827	19	23	23	14	1.00	1.00	846.2	
1N	33306	827	19	23	23	14	1.00	1.00	845.8	
1O	33306	756	19	23	23	14	1.00	1.00	828.0	
1P	33306	756	19	23	23	14	1.00	1.00	827.6	
2	6989	183	1	23	23	14	1.00	1.00	177.8	
7	7012	183	1	23	23	14	1.00	1.00	178.3	
8	3698	116	1	23	23	14	1.00	1.00	99.2	

ASTA NUM. 432 NI 170 NF 171 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17462	-7	75	0	328	37	324.6	112.3	6.4	0.0	436.9	1	
1B	0	-17462	6	75	0	328	-37	324.6	111.9	6.4	0.0	436.5	1	
1C	0	-17462	-7	-196	0	-328	37	324.6	112.4	16.6	0.0	437.0	1	
1D	0	-17462	6	-196	0	-328	-37	324.6	112.0	16.6	0.0	436.6	1	
1E	0	10518	-7	75	0	328	37	195.5	112.3	6.4	0.0	307.8	1	
1F	0	10518	6	75	0	328	-37	195.5	111.9	6.4	0.0	307.4	1	
1G	0	10518	-7	-196	0	-328	37	195.5	112.4	16.6	0.0	307.9	1	
1H	0	10518	6	-196	0	-328	-37	195.5	112.0	16.6	0.0	307.5	1	
1I	0	-29682	-11	187	0	832	19	551.7	228.5	15.8	0.0	780.2	1	
1J	0	-29682	10	187	0	832	-19	551.7	228.2	15.8	0.0	779.9	1	
1K	0	-29682	-11	-307	0	-833	19	551.7	228.6	26.1	0.0	780.3	1	
1L	0	-29682	10	-307	0	-833	-19	551.7	228.3	26.1	0.0	780.0	1	
1M	0	22738	-11	187	0	832	19	422.6	228.5	15.8	0.0	651.2	1	
1N	0	22738	10	187	0	832	-19	422.6	228.2	15.8	0.0	650.8	1	
1O	0	22738	-11	-307	0	-833	19	422.6	228.6	26.1	0.0	651.3	1	
1P	0	22738	10	-307	0	-833	-19	422.6	228.3	26.1	0.0	650.9	1	
2	0	2432	-4	-185	0	-250	-1	45.2	65.0	15.7	0.0	110.2	1	
7	0	2447	-4	-185	0	-251	-1	45.5	65.1	15.7	0.0	110.6	1	
8	0	380	-3	-153	0	-177	-0	7.1	45.8	13.0	0.0	52.8	1	
1A	55	-17438	-7	75	0	330	39	324.1	114.4	6.4	0.0	438.5	1	
1B	55	-17438	6	75	0	330	-39	324.1	114.6	6.4	0.0	438.7	1	
1C	55	-17438	-7	-196	0	-264	39	324.1	97.3	16.6	0.0	421.5	1	
1D	55	-17438	6	-196	0	-264	-39	324.1	97.5	16.6	0.0	421.7	1	
1E	55	10542	-7	75	0	330	39	195.9	114.4	6.4	0.0	310.3	1	
1F	55	10542	6	75	0	330	-39	195.9	114.6	6.4	0.0	310.5	1	
1G	55	10542	-7	-196	0	-264	39	195.9	97.3	16.6	0.0	293.3	1	
1H	55	10542	6	-196	0	-264	-39	195.9	97.5	16.6	0.0	293.5	1	
1I	55	-29658	-11	187	0	742	24	551.3	209.0	15.8	0.0	760.3	1	
1J	55	-29658	10	187	0	742	-24	551.3	209.2	15.8	0.0	760.4	1	
1K	55	-29658	-11	-307	0	-676	24	551.3	191.9	26.1	0.0	743.2	1	
1L	55	-29658	10	-307	0	-676	-24	551.3	192.1	26.1	0.0	743.4	1	
1M	55	22761	-11	187	0	742	24	423.1	209.0	15.8	0.0	632.1	1	
1N	55	22761	10	187	0	742	-24	423.1	209.2	15.8	0.0	632.2	1	
1O	55	22761	-11	-307	0	-676	24	423.1	191.9	26.1	0.0	615.0	1	
1P	55	22761	10	-307	0	-676	-24	423.1	192.1	26.1	0.0	615.2	1	
2	55	2462	-4	-185	0	-148	-3	45.8	40.5	15.7	0.0	86.2	1	
7	55	2478	-4	-185	0	-148	-3	46.1	40.5	15.7	0.0	86.5	1	
8	55	410	-3	-153	0	-92	-2	7.6	25.3	13.0	0.0	35.0	3	
1A	111	-17415	-7	75	0	333	41	323.7	116.5	6.4	0.0	440.2	1	
1B	111	-17415	6	75	0	333	-42	323.7	117.3	6.4	0.0	441.0	1	
1C	111	-17415	-7	-196	0	-200	41	323.7	82.3	16.6	0.0	406.0	1	
1D	111	-17415	6	-196	0	-200	-42	323.7	83.0	16.6	0.0	406.7	1	
1E	111	10565	-7	75	0	333	41	196.4	116.5	6.4	0.0	312.9	1	
1F	111	10565	6	75	0	333	-42	196.4	117.3	6.4	0.0	313.6	1	
1G	111	10565	-7	-196	0	-200	41	196.4	82.3	16.6	0.0	278.7	1	
1H	111	10565	6	-196	0	-200	-42	196.4	83.0	16.6	0.0	279.4	1	
1I	111	-29635	-11	187	0	652	29	550.8	189.5	15.8	0.0	740.3	1	
1J	111	-29635	10	187	0	652	-30	550.8	190.2	15.8	0.0	741.0	1	
1K	111	-29635	-11	-307	0	-519	29	550.8	155.2	26.1	0.0	706.1	1	
1L	111	-29635	10	-307	0	-519	-30	550.8	156.0	26.1	0.0	706.8	1	
1M	111	22785	-11	187	0	652	29	423.5	189.5	15.8	0.0	613.0	1	
1N	111	22785	10	187	0	652	-30	423.5	190.2	15.8	0.0	613.7	1	
1O	111	22785	-11	-307	0	-519	29	423.5	155.2	26.1	0.0	578.7	1	
1P	111	22785	10	-307	0	-519	-30	423.5	156.0	26.1	0.0	579.5	1	
2	111	2492	-4	-185	0	-46	-5	46.3	15.9	15.7	0.0	62.2	1	
7	111	2508	-4	-185	0	-46	-5	46.6	15.9	15.7	0.0	62.5	1	
8	111	441	-3	-153	0	-7	-4	8.2	4.8	13.0	0.0	24.0	4	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17462	331	40	23	23	14	1.03	1.00	449.7	
1B	-17462	331	40	23	23	14	1.03	1.00	449.9	
1C	-17462	277	40	23	23	14	1.03	1.00	435.7	
1D	-17462	277	40	23	23	14	1.03	1.00	436.0	
1E	10565	331	40	23	23	14	1.00	1.00	311.2	
1F	10565	331	40	23	23	14	1.00	1.00	311.5	
1G	10565	277	40	23	23	14	1.00	1.00	297.3	
1H	10565	277	40	23	23	14	1.00	1.00	297.6	
1I	-29682	760	25	23	23	14	1.03	1.00	783.9	
1J	-29682	760	25	23	23	14	1.03	1.00	784.2	
1K	-29682	707	25	23	23	14	1.03	1.00	770.2	
1L	-29682	707	25	23	23	14	1.03	1.00	770.5	
1M	22785	760	25	23	23	14	1.00	1.00	637.9	
1N	22785	760	25	23	23	14	1.00	1.00	638.2	
1O	22785	707	25	23	23	14	1.00	1.00	624.2	
1P	22785	707	25	23	23	14	1.00	1.00	624.5	
2	2492	169	4	23	23	14	1.00	1.00	92.4	
7	2508	169	4	23	23	14	1.00	1.00	92.7	
8	441	109	3	23	23	14	1.00	1.00	38.1	

ASTA NUM. 433 NI 171 NF 172 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17027	-12	276	0	430	46	316.5	144.8	23.4	0.0	461.3	1	
1B	0	-17027	10	276	0	430	-46	316.5	145.3	23.4	0.0	461.7	1	
1C	0	-17027	-12	-185	0	-308	46	316.5	113.3	15.7	0.0	429.8	1	
1D	0	-17027	10	-185	0	-308	-46	316.5	113.8	15.7	0.0	430.3	1	
1E	0	10137	-12	276	0	430	46	188.4	144.8	23.4	0.0	333.2	1	
1F	0	10137	10	276	0	430	-46	188.4	145.3	23.4	0.0	333.7	1	
1G	0	10137	-12	-185	0	-308	46	188.4	113.3	15.7	0.0	301.7	1	
1H	0	10137	10	-185	0	-308	-46	188.4	113.8	15.7	0.0	302.2	1	
1I	0	-28959	-13	360	0	821	28	538.3	232.6	30.5	0.0	770.8	1	
1J	0	-28959	11	360	0	821	-29	538.3	233.0	30.5	0.0	771.3	1	
1K	0	-28959	-13	-270	0	-699	28	538.3	201.1	22.9	0.0	739.3	1	
1L	0	-28959	11	-270	0	-699	-29	538.3	201.5	22.9	0.0	739.8	1	
1M	0	22069	-13	360	0	821	28	410.2	232.6	30.5	0.0	642.8	1	
1N	0	22069	11	360	0	821	-29	410.2	233.0	30.5	0.0	643.2	1	
1O	0	22069	-13	-270	0	-699	28	410.2	201.1	22.9	0.0	611.3	1	
1P	0	22069	11	-270	0	-699	-29	410.2	201.5	22.9	0.0	611.7	1	
2	0	2211	-3	-40	0	-117	-5	41.1	33.6	3.4	0.0	74.7	1	
7	0	2227	-3	-41	0	-117	-5	41.4	33.7	3.4	0.0	75.1	1	
8	0	236	-3	-11	0	-59	-3	4.4	17.7	0.9	0.0	22.1	1	
1A	55	-17004	-12	276	0	299	43	316.1	109.1	23.4	0.0	425.1	1	
1B	55	-17004	10	276	0	299	-45	316.1	110.5	23.4	0.0	426.5	1	
1C	55	-17004	-12	-185	0	-226	43	316.1	90.4	15.7	0.0	406.5	1	
1D	55	-17004	10	-185	0	-226	-45	316.1	91.8	15.7	0.0	407.9	1	
1E	55	10160	-12	276	0	299	43	188.8	109.1	23.4	0.0	297.9	1	
1F	55	10160	10	276	0	299	-45	188.8	110.5	23.4	0.0	299.3	1	
1G	55	10160	-12	-185	0	-226	43	188.8	90.4	15.7	0.0	279.3	1	
1H	55	10160	10	-185	0	-226	-45	188.8	91.8	15.7	0.0	280.7	1	
1I	55	-28936	-13	360	0	628	32	537.8	185.5	30.5	0.0	723.3	1	
1J	55	-28936	11	360	0	628	-34	537.8	186.9	30.5	0.0	724.8	1	
1K	55	-28936	-13	-270	0	-556	32	537.8	166.9	22.9	0.0	704.7	1	
1L	55	-28936	11	-270	0	-556	-34	537.8	168.3	22.9	0.0	706.1	1	
1M	55	22092	-13	360	0	628	32	410.6	185.5	30.5	0.0	596.1	1	
1N	55	22092	11	360	0	628	-34	410.6	186.9	30.5	0.0	597.5	1	
1O	55	22092	-13	-270	0	-556	32	410.6	166.9	22.9	0.0	577.5	1	
1P	55	22092	11	-270	0	-556	-34	410.6	168.3	22.9	0.0	578.9	1	
2	55	2242	-3	-40	0	-94	-7	41.7	29.3	3.4	0.0	70.9	1	
7	55	2257	-3	-41	0	-95	-7	42.0	29.3	3.4	0.0	71.2	1	
8	55	266	-3	-11	0	-53	-5	4.9	17.4	0.9	0.0	22.3	1	
1A	111	-16981	-12	276	0	167	40	315.6	73.3	23.4	0.0	389.0	1	
1B	111	-16981	10	276	0	167	-44	315.6	75.7	23.4	0.0	391.4	1	
1C	111	-16981	-12	-185	0	-145	40	315.6	67.6	15.7	0.0	383.2	1	
1D	111	-16981	10	-185	0	-145	-44	315.6	69.9	15.7	0.0	385.6	1	
1E	111	10183	-12	276	0	167	40	189.3	73.3	23.4	0.0	262.6	1	
1F	111	10183	10	276	0	167	-44	189.3	75.7	23.4	0.0	265.0	1	
1G	111	10183	-12	-185	0	-145	40	189.3	67.6	15.7	0.0	256.8	1	
1H	111	10183	10	-185	0	-145	-44	189.3	69.9	15.7	0.0	259.2	1	
1I	111	-28913	-13	360	0	435	35	537.4	138.4	30.5	0.0	675.9	1	
1J	111	-28913	11	360	0	435	-38	537.4	140.8	30.5	0.0	678.2	1	
1K	111	-28913	-13	-270	0	-413	35	537.4	132.6	22.9	0.0	670.1	1	
1L	111	-28913	11	-270	0	-413	-38	537.4	135.0	22.9	0.0	672.4	1	
1M	111	22115	-13	360	0	435	35	411.1	138.4	30.5	0.0	549.5	1	
1N	111	22115	11	360	0	435	-38	411.1	140.8	30.5	0.0	551.9	1	
1O	111	22115	-13	-270	0	-413	35	411.1	132.6	22.9	0.0	543.7	1	
1P	111	22115	11	-270	0	-413	-38	411.1	135.0	22.9	0.0	546.1	1	
2	111	2272	-3	-40	0	-72	-8	42.2	24.9	3.4	0.0	67.1	1	
7	111	2287	-3	-41	0	-72	-8	42.5	24.9	3.4	0.0	67.4	1	
8	111	296	-3	-11	0	-47	-7	5.5	17.0	0.9	0.0	22.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17027	325	44	23	23	14	1.03	1.00	442.7	
1B	-17027	325	45	23	23	14	1.03	1.00	443.9	
1C	-17027	242	44	23	23	14	1.03	1.00	421.4	
1D	-17027	242	45	23	23	14	1.03	1.00	422.7	
1E	10183	325	44	23	23	14	1.00	1.00	305.5	
1F	10183	325	45	23	23	14	1.00	1.00	306.7	
1G	10183	242	44	23	23	14	1.00	1.00	284.3	
1H	10183	242	45	23	23	14	1.00	1.00	285.5	
1I	-28959	667	33	23	23	14	1.03	1.00	751.6	
1J	-28959	667	35	23	23	14	1.03	1.00	753.2	
1K	-28959	584	33	23	23	14	1.03	1.00	730.2	
1L	-28959	584	35	23	23	14	1.03	1.00	731.9	
1M	22115	667	33	23	23	14	1.00	1.00	607.0	
1N	22115	667	35	23	23	14	1.00	1.00	608.6	
1O	22115	584	33	23	23	14	1.00	1.00	585.8	
1P	22115	584	35	23	23	14	1.00	1.00	587.4	
2	2272	99	7	23	23	14	1.00	1.00	72.9	
7	2287	99	7	23	23	14	1.00	1.00	73.2	
8	296	54	5	23	23	14	1.00	1.00	23.4	

ASTA NUM. 434 NI 172 NF 173 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11721	-25	46	0	235	54	217.9	101.2	3.9	0.0	319.0	1	
1B	0	-11721	23	46	0	235	-57	217.9	103.1	3.9	0.0	321.0	1	
1C	0	-11721	-25	-168	0	-223	54	217.9	98.1	14.2	0.0	315.9	1	
1D	0	-11721	23	-168	0	-223	-57	217.9	100.0	14.2	0.0	317.9	1	
1E	0	4341	-25	46	0	235	54	80.7	101.2	3.9	0.0	181.8	1	
1F	0	4341	23	46	0	235	-57	80.7	103.1	3.9	0.0	183.8	1	
1G	0	4341	-25	-168	0	-223	54	80.7	98.1	14.2	0.0	178.8	1	
1H	0	4341	23	-168	0	-223	-57	80.7	100.0	14.2	0.0	180.7	1	
1I	0	-19622	-11	187	0	596	40	364.7	183.4	15.9	0.0	548.1	1	
1J	0	-19622	9	187	0	596	-43	364.7	185.4	15.9	0.0	550.1	1	
1K	0	-19622	-11	-308	0	-584	40	364.7	180.3	26.1	0.0	545.0	1	
1L	0	-19622	9	-308	0	-584	-43	364.7	182.3	26.1	0.0	547.0	1	
1M	0	12242	-11	187	0	596	40	227.5	183.4	15.9	0.0	411.0	1	
1N	0	12242	9	187	0	596	-43	227.5	185.4	15.9	0.0	412.9	1	
1O	0	12242	-11	-308	0	-584	40	227.5	180.3	26.1	0.0	407.9	1	
1P	0	12242	9	-308	0	-584	-43	227.5	182.3	26.1	0.0	409.8	1	
2	0	-1255	0	-164	0	-136	-9	23.3	41.8	13.9	0.0	65.2	1	
7	0	-1247	0	-164	0	-136	-9	23.2	41.8	13.9	0.0	65.0	1	
8	0	-2298	-0	-139	0	-94	-7	42.7	29.4	11.8	0.0	72.1	1	
1A	55	-11698	-25	46	0	221	43	217.4	88.8	3.9	0.0	306.2	1	
1B	55	-11698	23	46	0	221	-47	217.4	91.8	3.9	0.0	309.2	1	
1C	55	-11698	-25	-168	0	-142	43	217.4	68.4	14.2	0.0	285.8	1	
1D	55	-11698	23	-168	0	-142	-47	217.4	71.4	14.2	0.0	288.8	1	
1E	55	4364	-25	46	0	221	43	81.1	88.8	3.9	0.0	169.9	1	
1F	55	4364	23	46	0	221	-47	81.1	91.8	3.9	0.0	172.9	1	
1G	55	4364	-25	-168	0	-142	43	81.1	68.4	14.2	0.0	149.5	1	
1H	55	4364	23	-168	0	-142	-47	81.1	71.4	14.2	0.0	152.5	1	
1I	55	-19598	-11	187	0	496	38	364.3	155.7	15.9	0.0	520.0	1	
1J	55	-19598	9	187	0	496	-42	364.3	158.7	15.9	0.0	522.9	1	
1K	55	-19598	-11	-308	0	-417	38	364.3	135.3	26.1	0.0	499.6	1	
1L	55	-19598	9	-308	0	-417	-42	364.3	138.3	26.1	0.0	502.6	1	
1M	55	12265	-11	187	0	496	38	228.0	155.7	15.9	0.0	383.7	1	
1N	55	12265	9	187	0	496	-42	228.0	158.7	15.9	0.0	386.6	1	
1O	55	12265	-11	-308	0	-417	38	228.0	135.3	26.1	0.0	363.3	1	
1P	55	12265	9	-308	0	-417	-42	228.0	138.3	26.1	0.0	366.3	1	
2	55	-1224	0	-164	0	-45	-9	22.8	18.4	13.9	0.0	41.2	1	
7	55	-1217	0	-164	0	-45	-9	22.6	18.4	13.9	0.0	41.0	1	
8	55	-2268	-0	-139	0	-17	-7	42.1	9.8	11.8	0.0	51.9	1	
1A	111	-11674	-25	46	0	207	31	217.0	76.4	3.9	0.0	293.4	1	
1B	111	-11674	23	46	0	207	-36	217.0	80.4	3.9	0.0	297.4	1	
1C	111	-11674	-25	-168	0	-61	31	217.0	38.8	14.2	0.0	255.8	1	
1D	111	-11674	23	-168	0	-61	-36	217.0	42.8	14.2	0.0	259.8	1	
1E	111	4388	-25	46	0	207	31	81.6	76.4	3.9	0.0	158.0	1	
1F	111	4388	23	46	0	207	-36	81.6	80.4	3.9	0.0	162.0	1	
1G	111	4388	-25	-168	0	-61	31	81.6	38.8	14.2	0.0	120.3	1	
1H	111	4388	23	-168	0	-61	-36	81.6	42.8	14.2	0.0	124.3	1	
1I	111	-19575	-11	187	0	396	35	363.8	127.9	15.9	0.0	491.8	1	
1J	111	-19575	9	187	0	396	-40	363.8	131.9	15.9	0.0	495.8	1	
1K	111	-19575	-11	-308	0	-249	35	363.8	90.3	26.1	0.0	454.1	1	
1L	111	-19575	9	-308	0	-249	-40	363.8	94.3	26.1	0.0	458.1	1	
1M	111	12289	-11	187	0	396	35	228.4	127.9	15.9	0.0	356.4	1	
1N	111	12289	9	187	0	396	-40	228.4	131.9	15.9	0.0	360.3	1	
1O	111	12289	-11	-308	0	-249	35	228.4	90.3	26.1	0.0	318.7	1	
1P	111	12289	9	-308	0	-249	-40	228.4	94.3	26.1	0.0	322.7	1	
2	111	-1194	0	-164	0	45	-9	22.2	18.5	13.9	0.0	40.7	1	
7	111	-1187	0	-164	0	45	-9	22.1	18.3	13.9	0.0	40.4	1	
8	111	-2237	-0	-139	0	60	-8	41.6	21.1	11.8	0.0	62.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11721	224	45	23	23	14	1.03	1.00	316.0	
1B	-11721	224	49	23	23	14	1.03	1.00	318.8	
1C	-11721	158	45	23	23	14	1.03	1.00	299.0	
1D	-11721	158	49	23	23	14	1.03	1.00	301.8	
1E	4388	224	45	23	23	14	1.00	1.00	172.8	
1F	4388	224	49	23	23	14	1.00	1.00	175.6	
1G	4388	158	45	23	23	14	1.00	1.00	155.9	
1H	4388	158	49	23	23	14	1.00	1.00	158.7	
1I	-19622	516	38	23	23	14	1.03	1.00	537.6	
1J	-19622	516	42	23	23	14	1.03	1.00	540.4	
1K	-19622	450	38	23	23	14	1.03	1.00	520.6	
1L	-19622	450	42	23	23	14	1.03	1.00	523.5	
1M	12289	516	38	23	23	14	1.00	1.00	389.6	
1N	12289	516	42	23	23	14	1.00	1.00	392.4	
1O	12289	450	38	23	23	14	1.00	1.00	372.7	
1P	12289	450	42	23	23	14	1.00	1.00	375.5	
2	-1255	63	9	23	23	14	1.03	1.00	47.2	
7	-1247	64	9	23	23	14	1.03	1.00	47.0	
8	-2298	37	7	23	23	14	1.03	1.00	59.1	

ASTA NUM. 435 NI 173 NF 174 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-11291	-60	226	0	303	47	209.9	112.8	19.1	0.0	322.7	1	
1B	0	-11291	58	226	0	303	-52	209.9	116.8	19.1	0.0	326.7	1	
1C	0	-11291	-60	-137	0	-167	47	209.9	77.9	11.6	0.0	287.8	1	
1D	0	-11291	58	-137	0	-167	-52	209.9	81.8	11.6	0.0	291.7	1	
1E	0	3967	-60	226	0	303	47	73.7	112.8	19.1	0.0	186.6	1	
1F	0	3967	58	226	0	303	-52	73.7	116.8	19.1	0.0	190.5	1	
1G	0	3967	-60	-137	0	-167	47	73.7	77.9	11.6	0.0	151.6	1	
1H	0	3967	58	-137	0	-167	-52	73.7	81.8	11.6	0.0	155.6	1	
1I	0	-18918	-35	332	0	561	44	351.6	177.2	28.1	0.0	528.8	1	
1J	0	-18918	33	332	0	561	-49	351.6	181.1	28.1	0.0	532.8	1	
1K	0	-18918	-35	-243	0	-425	44	351.6	142.2	20.6	0.0	493.9	1	
1L	0	-18918	33	-243	0	-425	-49	351.6	146.2	20.6	0.0	497.8	1	
1M	0	11594	-35	332	0	561	44	215.5	177.2	28.1	0.0	392.7	1	
1N	0	11594	33	332	0	561	-49	215.5	181.1	28.1	0.0	396.6	1	
1O	0	11594	-35	-243	0	-425	44	215.5	142.2	20.6	0.0	357.8	1	
1P	0	11594	33	-243	0	-425	-49	215.5	146.2	20.6	0.0	361.7	1	
2	0	-1415	4	-17	0	-10	-11	26.3	10.7	1.4	0.0	37.0	1	
7	0	-1408	4	-17	0	-10	-11	26.2	10.7	1.4	0.0	36.8	1	
8	0	-2400	3	5	0	19	-9	44.6	11.4	0.4	0.0	56.0	1	
1A	55	-11268	-60	226	0	198	6	209.4	55.5	19.1	0.0	264.9	1	
1B	55	-11268	58	226	0	198	-12	209.4	60.3	19.1	0.0	269.7	1	
1C	55	-11268	-60	-137	0	-111	6	209.4	33.1	11.6	0.0	242.5	1	
1D	55	-11268	58	-137	0	-111	-12	209.4	37.9	11.6	0.0	247.4	1	
1E	55	3990	-60	226	0	198	6	74.2	55.5	19.1	0.0	129.6	1	
1F	55	3990	58	226	0	198	-12	74.2	60.3	19.1	0.0	134.4	1	
1G	55	3990	-60	-137	0	-111	6	74.2	33.1	11.6	0.0	107.3	1	
1H	55	3990	58	-137	0	-111	-12	74.2	37.9	11.6	0.0	112.1	1	
1I	55	-18895	-35	332	0	383	32	351.2	122.2	28.1	0.0	473.4	1	
1J	55	-18895	33	332	0	383	-38	351.2	127.1	28.1	0.0	478.3	1	
1K	55	-18895	-35	-243	0	-296	32	351.2	99.9	20.6	0.0	451.1	1	
1L	55	-18895	33	-243	0	-296	-38	351.2	104.7	20.6	0.0	455.9	1	
1M	55	11617	-35	332	0	383	32	215.9	122.2	28.1	0.0	338.2	1	
1N	55	11617	33	332	0	383	-38	215.9	127.1	28.1	0.0	343.0	1	
1O	55	11617	-35	-243	0	-296	32	215.9	99.9	20.6	0.0	315.8	1	
1P	55	11617	33	-243	0	-296	-38	215.9	104.7	20.6	0.0	320.6	1	
2	55	-1384	4	-17	0	-1	-8	25.7	6.5	1.4	0.0	32.3	1	
7	55	-1378	4	-17	0	-1	-8	25.6	6.5	1.4	0.0	32.1	1	
8	55	-2370	3	5	0	16	-7	44.0	9.5	0.4	0.0	53.6	1	
1A	111	-11245	-60	226	0	94	-35	209.0	50.4	19.1	0.0	259.4	1	
1B	111	-11245	58	226	0	94	27	209.0	44.6	19.1	0.0	253.7	1	
1C	111	-11245	-60	-137	0	-56	-35	209.0	40.6	11.6	0.0	249.6	1	
1D	111	-11245	58	-137	0	-56	27	209.0	34.9	11.6	0.0	243.9	1	
1E	111	4013	-60	226	0	94	-35	74.6	50.4	19.1	0.0	125.0	1	
1F	111	4013	58	226	0	94	27	74.6	44.6	19.1	0.0	119.2	1	
1G	111	4013	-60	-137	0	-56	-35	74.6	40.6	11.6	0.0	115.2	1	
1H	111	4013	58	-137	0	-56	27	74.6	34.9	11.6	0.0	109.5	1	
1I	111	-18872	-35	332	0	206	19	350.8	67.3	28.1	0.0	418.1	1	
1J	111	-18872	33	332	0	206	-27	350.8	73.0	28.1	0.0	423.8	1	
1K	111	-18872	-35	-243	0	-168	19	350.8	57.5	20.6	0.0	408.3	1	
1L	111	-18872	33	-243	0	-168	-27	350.8	63.2	20.6	0.0	414.0	1	
1M	111	11640	-35	332	0	206	19	216.4	67.3	28.1	0.0	283.6	1	
1N	111	11640	33	332	0	206	-27	216.4	73.0	28.1	0.0	289.4	1	
1O	111	11640	-35	-243	0	-168	19	216.4	57.5	20.6	0.0	273.9	1	
1P	111	11640	33	-243	0	-168	-27	216.4	63.2	20.6	0.0	279.6	1	
2	111	-1354	4	-17	0	8	-6	25.2	6.7	1.4	0.0	31.8	1	
7	111	-1347	4	-17	0	8	-6	25.0	6.6	1.4	0.0	31.6	1	
8	111	-2339	3	5	0	13	-6	43.5	7.7	0.4	0.0	51.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	kg	kg*m							kg/cmq
1A	-11291	219	19	23	23	14	1.03	1.00	286.7
1B	-11291	219	21	23	23	14	1.03	1.00	288.3
1C	-11291	122	19	23	23	14	1.03	1.00	261.8
1D	-11291	122	21	23	23	14	1.03	1.00	263.4
1E	4013	219	19	23	23	14	1.00	1.00	145.0
1F	4013	219	21	23	23	14	1.00	1.00	146.6
1G	4013	122	19	23	23	14	1.00	1.00	120.1
1H	4013	122	21	23	23	14	1.00	1.00	121.7
1I	-18918	419	34	23	23	14	1.03	1.00	496.0
1J	-18918	419	40	23	23	14	1.03	1.00	500.7
1K	-18918	322	34	23	23	14	1.03	1.00	471.0
1L	-18918	322	40	23	23	14	1.03	1.00	475.7
1M	11640	419	34	23	23	14	1.00	1.00	349.6
1N	11640	419	40	23	23	14	1.00	1.00	354.2
1O	11640	322	34	23	23	14	1.00	1.00	324.7
1P	11640	322	40	23	23	14	1.00	1.00	329.4
2	-1415	4	9	23	23	14	1.03	1.00	34.8
7	-1408	4	9	23	23	14	1.03	1.00	34.6
8	-2400	16	8	23	23	14	1.03	1.00	55.9

ASTA NUM. 436 NI 174 NF 175 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6250	-128	83	0	153	24	116.2	57.5	7.0	0.0	173.7	1	
1B	0	-6250	129	83	0	153	-32	116.2	63.7	7.0	0.0	179.8	1	
1C	0	-6250	-128	-212	0	-124	24	116.2	50.1	17.9	0.0	166.3	1	
1D	0	-6250	129	-212	0	-124	-32	116.2	56.2	17.9	0.0	172.4	1	
1E	0	-1426	-128	83	0	153	24	26.5	57.5	7.0	0.0	84.0	1	
1F	0	-1426	129	83	0	153	-32	26.5	63.7	7.0	0.0	90.2	1	
1G	0	-1426	-128	-212	0	-124	24	26.5	50.1	17.9	0.0	76.6	1	
1H	0	-1426	129	-212	0	-124	-32	26.5	56.2	17.9	0.0	82.7	1	
1I	0	-9891	-97	216	0	360	29	183.9	114.4	18.3	0.0	298.3	1	
1J	0	-9891	97	216	0	360	-37	183.9	120.6	18.3	0.0	304.4	1	
1K	0	-9891	-97	-345	0	-331	29	183.9	107.0	29.2	0.0	290.9	1	
1L	0	-9891	97	-345	0	-331	-37	183.9	113.2	29.2	0.0	297.0	1	
1M	0	2215	-97	216	0	360	29	41.2	114.4	18.3	0.0	155.6	1	
1N	0	2215	97	216	0	360	-37	41.2	120.6	18.3	0.0	161.8	1	
1O	0	2215	-97	-345	0	-331	29	41.2	107.0	29.2	0.0	148.2	1	
1P	0	2215	97	-345	0	-331	-37	41.2	113.2	29.2	0.0	154.3	1	
2	0	-3950	11	-148	0	-40	-10	73.4	17.6	12.6	0.0	91.0	1	
7	0	-3952	10	-149	0	-40	-10	73.5	17.6	12.6	0.0	91.0	1	
8	0	-4254	8	-129	0	-23	-9	79.1	12.3	11.0	0.0	91.4	1	
1A	55	-6226	-128	83	0	92	-57	115.7	66.1	7.0	0.0	181.9	1	
1B	55	-6226	129	83	0	92	49	115.7	60.2	7.0	0.0	176.0	1	
1C	55	-6226	-128	-212	0	8	-57	115.7	44.4	17.9	0.0	160.2	1	
1D	55	-6226	129	-212	0	8	49	115.7	38.5	17.9	0.0	154.3	1	
1E	55	-1403	-128	83	0	92	-57	26.1	66.1	7.0	0.0	92.2	1	
1F	55	-1403	129	83	0	92	49	26.1	60.2	7.0	0.0	86.3	1	
1G	55	-1403	-128	-212	0	8	-57	26.1	44.4	17.9	0.0	70.5	1	
1H	55	-1403	129	-212	0	8	49	26.1	38.5	17.9	0.0	64.6	1	
1I	55	-9868	-97	216	0	252	-27	183.4	85.5	18.3	0.0	268.9	1	
1J	55	-9868	97	216	0	252	20	183.4	79.6	18.3	0.0	263.0	1	
1K	55	-9868	-97	-345	0	-152	-27	183.4	59.7	29.2	0.0	243.1	1	
1L	55	-9868	97	-345	0	-152	20	183.4	53.8	29.2	0.0	237.3	1	
1M	55	2239	-97	216	0	252	-27	41.6	85.5	18.3	0.0	127.1	1	
1N	55	2239	97	216	0	252	20	41.6	79.6	18.3	0.0	121.2	1	
1O	55	2239	-97	-345	0	-152	-27	41.6	59.7	29.2	0.0	101.3	1	
1P	55	2239	97	-345	0	-152	20	41.6	53.8	29.2	0.0	95.4	1	
2	55	-3920	11	-148	0	42	-4	72.9	14.0	12.6	0.0	86.8	1	
7	55	-3922	10	-149	0	42	-4	72.9	14.0	12.6	0.0	86.9	1	
8	55	-4224	8	-129	0	49	-4	78.5	15.9	11.0	0.0	94.4	1	
1A	111	-6203	-128	83	0	31	-138	115.3	110.9	7.0	0.0	226.2	1	
1B	111	-6203	129	83	0	31	130	115.3	105.3	7.0	0.0	220.6	1	
1C	111	-6203	-128	-212	0	140	-138	115.3	139.0	17.9	0.0	254.3	1	
1D	111	-6203	129	-212	0	140	130	115.3	133.3	17.9	0.0	248.6	1	
1E	111	-1379	-128	83	0	31	-138	25.6	110.9	7.0	0.0	136.6	1	
1F	111	-1379	129	83	0	31	130	25.6	105.3	7.0	0.0	130.9	1	
1G	111	-1379	-128	-212	0	140	-138	25.6	139.0	17.9	0.0	164.6	1	
1H	111	-1379	129	-212	0	140	130	25.6	133.3	17.9	0.0	158.9	1	
1I	111	-9844	-97	216	0	144	-84	183.0	100.1	18.3	0.0	283.1	1	
1J	111	-9844	97	216	0	144	77	183.0	94.4	18.3	0.0	277.4	1	
1K	111	-9844	-97	-345	0	27	-84	183.0	69.8	29.2	0.0	252.8	1	
1L	111	-9844	97	-345	0	27	77	183.0	64.1	29.2	0.0	247.1	1	
1M	111	2262	-97	216	0	144	-84	42.1	100.1	18.3	0.0	142.2	1	
1N	111	2262	97	216	0	144	77	42.1	94.4	18.3	0.0	136.5	1	
1O	111	2262	-97	-345	0	27	-84	42.1	69.8	29.2	0.0	111.8	1	
1P	111	2262	97	-345	0	27	77	42.1	64.1	29.2	0.0	106.2	1	
2	111	-3890	11	-148	0	125	2	72.3	33.4	12.6	0.0	105.7	1	
7	111	-3891	10	-149	0	125	2	72.3	33.2	12.6	0.0	105.5	1	
8	111	-4193	8	-129	0	121	-0	77.9	31.1	11.0	0.0	109.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
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	kg	kg*m							kg/cmq
1A	-6250	104	73	23	23	14	1.03	1.00	201.2
1B	-6250	104	65	23	23	14	1.03	1.00	195.4
1C	-6250	56	73	23	23	14	1.03	1.00	188.8
1D	-6250	56	65	23	23	14	1.03	1.00	182.9
1E	-1426	104	73	23	23	14	1.03	1.00	108.7
1F	-1426	104	65	23	23	14	1.03	1.00	102.9
1G	-1426	56	73	23	23	14	1.03	1.00	96.3
1H	-1426	56	65	23	23	14	1.03	1.00	90.4
1I	-9891	274	39	23	23	14	1.03	1.00	289.1
1J	-9891	274	31	23	23	14	1.03	1.00	283.2
1K	-9891	188	39	23	23	14	1.03	1.00	267.0
1L	-9891	188	31	23	23	14	1.03	1.00	261.1
1M	2262	274	39	23	23	14	1.00	1.00	141.5
1N	2262	274	31	23	23	14	1.00	1.00	135.7
1O	2262	188	39	23	23	14	1.00	1.00	119.5
1P	2262	188	31	23	23	14	1.00	1.00	113.6
2	-3950	59	5	23	23	14	1.03	1.00	94.7
7	-3952	59	5	23	23	14	1.03	1.00	94.8
8	-4254	63	5	23	23	14	1.03	1.00	101.7

ASTA NUM. 437 NI 175 NF 176 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5946	-229	276	0	166	122	110.5	134.0	23.4	0.0	244.6	1	
1B	0	-5946	236	276	0	166	-132	110.5	141.7	23.4	0.0	252.2	1	
1C	0	-5946	-229	-468	0	3	122	110.5	92.0	39.7	0.0	202.6	1	
1D	0	-5946	236	-468	0	3	-132	110.5	99.7	39.7	0.0	210.2	1	
1E	0	-1632	-229	276	0	166	122	30.3	134.0	23.4	0.0	164.4	1	
1F	0	-1632	236	276	0	166	-132	30.3	141.7	23.4	0.0	172.0	1	
1G	0	-1632	-229	-468	0	3	122	30.3	92.0	39.7	0.0	122.4	1	
1H	0	-1632	236	-468	0	3	-132	30.3	99.7	39.7	0.0	130.0	1	
1I	0	-9249	-196	419	0	281	66	171.9	122.1	35.5	0.0	294.0	1	
1J	0	-9249	203	419	0	281	-77	171.9	129.7	35.5	0.0	301.6	1	
1K	0	-9249	-196	-611	0	-112	66	171.9	78.5	51.8	0.0	250.4	1	
1L	0	-9249	203	-611	0	-112	-77	171.9	86.1	51.8	0.0	258.1	1	
1M	0	1671	-196	419	0	281	66	31.1	122.1	35.5	0.0	153.1	1	
1N	0	1671	203	419	0	281	-77	31.1	129.7	35.5	0.0	160.8	1	
1O	0	1671	-196	-611	0	-112	66	31.1	78.5	51.8	0.0	109.6	1	
1P	0	1671	203	-611	0	-112	-77	31.1	86.1	51.8	0.0	117.2	1	
2	0	-4019	17	-215	0	90	-2	74.7	24.8	18.2	0.0	99.6	3	
7	0	-4021	16	-217	0	90	-2	74.7	25.0	18.4	0.0	99.7	1	
8	0	-4283	14	-188	0	96	-3	79.6	27.2	15.9	0.0	106.8	1	
1A	55	-5923	-229	276	0	9	251	110.1	190.3	23.4	0.0	300.4	1	
1B	55	-5923	236	276	0	9	-257	110.1	195.0	23.4	0.0	305.1	1	
1C	55	-5923	-229	-468	0	267	251	110.1	256.6	39.7	0.0	366.7	1	
1D	55	-5923	236	-468	0	267	-257	110.1	261.3	39.7	0.0	371.4	1	
1E	55	-1609	-229	276	0	9	251	29.9	190.3	23.4	0.0	220.2	1	
1F	55	-1609	236	276	0	9	-257	29.9	195.0	23.4	0.0	224.9	1	
1G	55	-1609	-229	-468	0	267	251	29.9	256.6	39.7	0.0	286.5	1	
1H	55	-1609	236	-468	0	267	-257	29.9	261.3	39.7	0.0	291.2	1	
1I	55	-9226	-196	419	0	48	178	171.5	145.7	35.5	0.0	317.2	1	
1J	55	-9226	203	419	0	48	-185	171.5	150.4	35.5	0.0	321.9	1	
1K	55	-9226	-196	-611	0	228	178	171.5	192.0	51.8	0.0	363.5	1	
1L	55	-9226	203	-611	0	228	-185	171.5	196.8	51.8	0.0	368.3	1	
1M	55	1694	-196	419	0	48	178	31.5	145.7	35.5	0.0	177.2	1	
1N	55	1694	203	419	0	48	-185	31.5	150.4	35.5	0.0	181.9	1	
1O	55	1694	-196	-611	0	228	178	31.5	192.0	51.8	0.0	223.5	1	
1P	55	1694	203	-611	0	228	-185	31.5	196.8	51.8	0.0	228.3	1	
2	55	-3988	17	-215	0	209	8	74.1	59.5	18.2	0.0	133.6	1	
7	55	-3990	16	-217	0	210	7	74.2	59.2	18.4	0.0	133.4	1	
8	55	-4253	14	-188	0	200	5	79.1	54.9	15.9	0.0	134.0	1	
1A	111	-5900	-229	276	0	-148	380	109.7	322.8	23.4	0.0	432.5	1	
1B	111	-5900	236	276	0	-148	-383	109.7	324.7	23.4	0.0	434.3	1	
1C	111	-5900	-229	-468	0	530	380	109.7	421.2	39.7	0.0	530.8	1	
1D	111	-5900	236	-468	0	530	-383	109.7	423.0	39.7	0.0	532.7	1	
1E	111	-1586	-229	276	0	-148	380	29.5	322.8	23.4	0.0	352.3	1	
1F	111	-1586	236	276	0	-148	-383	29.5	324.7	23.4	0.0	354.1	1	
1G	111	-1586	-229	-468	0	530	380	29.5	421.2	39.7	0.0	450.6	1	
1H	111	-1586	236	-468	0	530	-383	29.5	423.0	39.7	0.0	452.5	1	
1I	111	-9203	-196	419	0	-186	290	171.1	264.8	35.5	0.0	435.9	1	
1J	111	-9203	203	419	0	-186	-292	171.1	266.6	35.5	0.0	437.7	1	
1K	111	-9203	-196	-611	0	568	290	171.1	363.1	51.8	0.0	534.2	1	
1L	111	-9203	203	-611	0	568	-292	171.1	365.0	51.8	0.0	536.0	1	
1M	111	1717	-196	419	0	-186	290	31.9	264.8	35.5	0.0	296.7	1	
1N	111	1717	203	419	0	-186	-292	31.9	266.6	35.5	0.0	298.6	1	
1O	111	1717	-196	-611	0	568	290	31.9	363.1	51.8	0.0	395.1	1	
1P	111	1717	203	-611	0	568	-292	31.9	365.0	51.8	0.0	396.9	1	
2	111	-3958	17	-215	0	328	17	73.6	97.2	18.2	0.0	170.8	1	
7	111	-3960	16	-217	0	330	16	73.6	96.9	18.4	0.0	170.5	1	
8	111	-4223	14	-188	0	304	12	78.5	87.5	15.9	0.0	166.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-5946	67	277	23	23	14	1.03	1.00	338.9
1B	-5946	67	283	23	23	14	1.03	1.00	343.0
1C	-5946	319	277	23	23	14	1.03	1.00	404.0
1D	-5946	319	283	23	23	14	1.03	1.00	408.2
1E	-1632	67	277	23	23	14	1.03	1.00	255.8
1F	-1632	67	283	23	23	14	1.03	1.00	260.0
1G	-1632	319	277	23	23	14	1.03	1.00	320.9
1H	-1632	319	283	23	23	14	1.03	1.00	325.1
1I	-9249	112	201	23	23	14	1.03	1.00	356.8
1J	-9249	112	206	23	23	14	1.03	1.00	361.0
1K	-9249	296	201	23	23	14	1.03	1.00	404.1
1L	-9249	296	206	23	23	14	1.03	1.00	408.3
1M	1717	112	201	23	23	14	1.00	1.00	211.0
1N	1717	112	206	23	23	14	1.00	1.00	215.1
1O	1717	296	201	23	23	14	1.00	1.00	258.2
1P	1717	296	206	23	23	14	1.00	1.00	262.3
2	-4019	233	9	23	23	14	1.03	1.00	144.0
7	-4021	234	9	23	23	14	1.03	1.00	143.8
8	-4283	221	6	23	23	14	1.03	1.00	143.5

ASTA NUM. 438 NI 149 NF 150 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-13956	-15	179	0	335	19	259.4	100.2	15.2	0.0	359.6	1	
1B	0	-13956	13	179	0	335	-20	259.4	101.0	15.2	0.0	360.4	1	
1C	0	-13956	-15	-122	0	-258	19	259.4	80.3	10.4	0.0	339.7	1	
1D	0	-13956	13	-122	0	-258	-20	259.4	81.1	10.4	0.0	340.5	1	
1E	0	9648	-15	179	0	335	19	179.3	100.2	15.2	0.0	279.5	1	
1F	0	9648	13	179	0	335	-20	179.3	101.0	15.2	0.0	280.3	1	
1G	0	9648	-15	-122	0	-258	19	179.3	80.3	10.4	0.0	259.7	1	
1H	0	9648	13	-122	0	-258	-20	179.3	81.1	10.4	0.0	260.5	1	
1I	0	-31420	-15	149	0	771	14	584.0	208.7	12.6	0.0	792.7	1	
1J	0	-31420	13	149	0	771	-15	584.0	209.5	12.6	0.0	793.5	1	
1K	0	-31420	-15	-93	0	-694	14	584.0	188.8	7.8	0.0	772.9	1	
1L	0	-31420	13	-93	0	-694	-15	584.0	189.6	7.8	0.0	773.7	1	
1M	0	27112	-15	149	0	771	14	503.9	208.7	12.6	0.0	712.7	1	
1N	0	27112	13	149	0	771	-15	503.9	209.5	12.6	0.0	713.5	1	
1O	0	27112	-15	-93	0	-694	14	503.9	188.8	7.8	0.0	692.8	1	
1P	0	27112	13	-93	0	-694	-15	503.9	189.6	7.8	0.0	693.6	1	
2	0	8569	-4	-89	0	-203	-1	159.3	52.8	7.5	0.0	212.0	1	
7	0	8536	-4	-88	0	-203	-1	158.7	52.6	7.5	0.0	211.3	1	
8	0	5232	-3	-52	0	-129	-1	97.2	33.7	4.4	0.0	130.9	1	
1A	55	-13933	-15	179	0	347	26	259.0	108.5	15.2	0.0	367.5	1	
1B	55	-13933	13	179	0	347	-28	259.0	110.1	15.2	0.0	369.1	1	
1C	55	-13933	-15	-122	0	-301	26	259.0	96.7	10.4	0.0	355.7	1	
1D	55	-13933	13	-122	0	-301	-28	259.0	98.3	10.4	0.0	357.3	1	
1E	55	9671	-15	179	0	347	26	179.8	108.5	15.2	0.0	288.3	1	
1F	55	9671	13	179	0	347	-28	179.8	110.1	15.2	0.0	289.9	1	
1G	55	9671	-15	-122	0	-301	26	179.8	96.7	10.4	0.0	276.5	1	
1H	55	9671	13	-122	0	-301	-28	179.8	98.3	10.4	0.0	278.1	1	
1I	55	-31397	-15	149	0	722	21	583.6	201.5	12.6	0.0	785.1	1	
1J	55	-31397	13	149	0	722	-23	583.6	203.1	12.6	0.0	786.7	1	
1K	55	-31397	-15	-93	0	-676	21	583.6	189.7	7.8	0.0	773.3	1	
1L	55	-31397	13	-93	0	-676	-23	583.6	191.3	7.8	0.0	774.9	1	
1M	55	27135	-15	149	0	722	21	504.4	201.5	12.6	0.0	705.9	1	
1N	55	27135	13	149	0	722	-23	504.4	203.1	12.6	0.0	707.5	1	
1O	55	27135	-15	-93	0	-676	21	504.4	189.7	7.8	0.0	694.0	1	
1P	55	27135	13	-93	0	-676	-23	504.4	191.3	7.8	0.0	695.7	1	
2	55	8599	-4	-89	0	-154	-3	159.8	41.7	7.5	0.0	201.5	1	
7	55	8566	-4	-88	0	-154	-3	159.2	41.6	7.5	0.0	200.8	1	
8	55	5262	-3	-52	0	-100	-2	97.8	27.6	4.4	0.0	125.4	1	
1A	111	-13910	-15	179	0	359	33	258.6	116.9	15.2	0.0	375.4	1	
1B	111	-13910	13	179	0	359	-36	258.6	119.3	15.2	0.0	377.8	1	
1C	111	-13910	-15	-122	0	-344	33	258.6	113.1	10.4	0.0	371.7	1	
1D	111	-13910	13	-122	0	-344	-36	258.6	115.5	10.4	0.0	374.1	1	
1E	111	9694	-15	179	0	359	33	180.2	116.9	15.2	0.0	297.1	1	
1F	111	9694	13	179	0	359	-36	180.2	119.3	15.2	0.0	299.5	1	
1G	111	9694	-15	-122	0	-344	33	180.2	113.1	10.4	0.0	293.3	1	
1H	111	9694	13	-122	0	-344	-36	180.2	115.5	10.4	0.0	295.7	1	
1I	111	-31374	-15	149	0	673	28	583.2	194.3	12.6	0.0	777.4	1	
1J	111	-31374	13	149	0	673	-31	583.2	196.7	12.6	0.0	779.8	1	
1K	111	-31374	-15	-93	0	-658	28	583.2	190.5	7.8	0.0	773.7	1	
1L	111	-31374	13	-93	0	-658	-31	583.2	192.9	7.8	0.0	776.1	1	
1M	111	27158	-15	149	0	673	28	504.8	194.3	12.6	0.0	699.1	1	
1N	111	27158	13	149	0	673	-31	504.8	196.7	12.6	0.0	701.5	1	
1O	111	27158	-15	-93	0	-658	28	504.8	190.5	7.8	0.0	695.3	1	
1P	111	27158	13	-93	0	-658	-31	504.8	192.9	7.8	0.0	697.7	1	
2	111	8629	-4	-89	0	-105	-5	160.4	30.6	7.5	0.0	191.0	1	
7	111	8597	-4	-88	0	-105	-5	159.8	30.6	7.5	0.0	190.4	1	
8	111	5292	-3	-52	0	-72	-4	98.4	21.6	4.4	0.0	120.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-13956	349	27	23	23	14	1.03	1.00	377.8
1B	-13956	349	30	23	23	14	1.03	1.00	379.5
1C	-13956	310	27	23	23	14	1.03	1.00	367.5
1D	-13956	310	30	23	23	14	1.03	1.00	369.3
1E	9694	349	27	23	23	14	1.00	1.00	290.4
1F	9694	349	30	23	23	14	1.00	1.00	292.2
1G	9694	310	27	23	23	14	1.00	1.00	280.2
1H	9694	310	30	23	23	14	1.00	1.00	282.0
1I	-31420	732	22	23	23	14	1.03	1.00	807.9
1J	-31420	732	25	23	23	14	1.03	1.00	809.7
1K	-31420	680	22	23	23	14	1.03	1.00	794.4
1L	-31420	680	25	23	23	14	1.03	1.00	796.2
1M	27158	732	22	23	23	14	1.00	1.00	709.9
1N	27158	732	25	23	23	14	1.00	1.00	711.7
1O	27158	680	22	23	23	14	1.00	1.00	696.5
1P	27158	680	25	23	23	14	1.00	1.00	698.2
2	8629	164	3	23	23	14	1.00	1.00	204.9
7	8597	164	3	23	23	14	1.00	1.00	204.2
8	5292	106	3	23	23	14	1.00	1.00	127.7

ASTA NUM. 439 NI 150 NF 151 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10366	-12	155	0	403	35	192.7	129.7	13.1	0.0	322.3	1	
1B	0	-10366	9	155	0	403	-38	192.7	131.8	13.1	0.0	324.5	1	
1C	0	-10366	-12	-225	0	-392	35	192.7	126.9	19.1	0.0	319.5	1	
1D	0	-10366	9	-225	0	-392	-38	192.7	129.0	19.1	0.0	321.7	1	
1E	0	5884	-12	155	0	403	35	109.4	129.7	13.1	0.0	239.0	1	
1F	0	5884	9	155	0	403	-38	109.4	131.8	13.1	0.0	241.2	1	
1G	0	5884	-12	-225	0	-392	35	109.4	126.9	19.1	0.0	236.2	1	
1H	0	5884	9	-225	0	-392	-38	109.4	129.0	19.1	0.0	238.4	1	
1I	0	-22833	-16	255	0	816	24	424.4	227.5	21.6	0.0	651.9	1	
1J	0	-22833	13	255	0	816	-26	424.4	229.6	21.6	0.0	654.0	1	
1K	0	-22833	-16	-326	0	-805	24	424.4	224.6	27.6	0.0	649.0	1	
1L	0	-22833	13	-326	0	-805	-26	424.4	226.8	27.6	0.0	651.2	1	
1M	0	18351	-16	255	0	816	24	341.1	227.5	21.6	0.0	568.5	1	
1N	0	18351	13	255	0	816	-26	341.1	229.6	21.6	0.0	570.7	1	
1O	0	18351	-16	-326	0	-805	24	341.1	224.6	27.6	0.0	565.7	1	
1P	0	18351	13	-326	0	-805	-26	341.1	226.8	27.6	0.0	567.9	1	
2	0	2331	-4	-209	0	-215	-3	43.3	57.2	17.7	0.0	100.6	1	
7	0	2288	-4	-210	0	-215	-2	42.5	57.2	17.8	0.0	99.7	1	
8	0	811	-3	-161	0	-150	-2	15.1	40.4	13.6	0.0	55.5	1	
1A	55	-10342	-12	155	0	321	39	192.2	111.8	13.1	0.0	304.1	1	
1B	55	-10342	9	155	0	321	-43	192.2	115.1	13.1	0.0	307.4	1	
1C	55	-10342	-12	-225	0	-271	39	192.2	98.9	19.1	0.0	291.2	1	
1D	55	-10342	9	-225	0	-271	-43	192.2	102.2	19.1	0.0	294.5	1	
1E	55	5908	-12	155	0	321	39	109.8	111.8	13.1	0.0	221.6	1	
1F	55	5908	9	155	0	321	-43	109.8	115.1	13.1	0.0	224.9	1	
1G	55	5908	-12	-225	0	-271	39	109.8	98.9	19.1	0.0	208.7	1	
1H	55	5908	9	-225	0	-271	-43	109.8	102.2	19.1	0.0	212.0	1	
1I	55	-22810	-16	255	0	676	31	424.0	196.8	21.6	0.0	620.7	1	
1J	55	-22810	13	255	0	676	-35	424.0	200.1	21.6	0.0	624.0	1	
1K	55	-22810	-16	-326	0	-626	31	424.0	183.8	27.6	0.0	607.8	1	
1L	55	-22810	13	-326	0	-626	-35	424.0	187.2	27.6	0.0	611.1	1	
1M	55	18374	-16	255	0	676	31	341.5	196.8	21.6	0.0	538.3	1	
1N	55	18374	13	255	0	676	-35	341.5	200.1	21.6	0.0	541.6	1	
1O	55	18374	-16	-326	0	-626	31	341.5	183.8	27.6	0.0	525.4	1	
1P	55	18374	13	-326	0	-626	-35	341.5	187.2	27.6	0.0	528.7	1	
2	55	2361	-4	-209	0	-99	-5	43.9	29.0	17.7	0.0	72.9	1	
7	55	2318	-4	-210	0	-99	-4	43.1	28.8	17.8	0.0	71.9	1	
8	55	841	-3	-161	0	-61	-4	15.6	18.9	13.6	0.0	36.4	3	
1A	111	-10319	-12	155	0	240	43	191.8	94.0	13.1	0.0	285.8	1	
1B	111	-10319	9	155	0	240	-49	191.8	98.5	13.1	0.0	290.3	1	
1C	111	-10319	-12	-225	0	-151	43	191.8	71.0	19.1	0.0	262.8	1	
1D	111	-10319	9	-225	0	-151	-49	191.8	75.5	19.1	0.0	267.3	1	
1E	111	5931	-12	155	0	240	43	110.2	94.0	13.1	0.0	204.2	1	
1F	111	5931	9	155	0	240	-49	110.2	98.5	13.1	0.0	208.7	1	
1G	111	5931	-12	-225	0	-151	43	110.2	71.0	19.1	0.0	181.2	1	
1H	111	5931	9	-225	0	-151	-49	110.2	75.5	19.1	0.0	185.7	1	
1I	111	-22786	-16	255	0	536	38	423.5	166.1	21.6	0.0	589.6	1	
1J	111	-22786	13	255	0	536	-44	423.5	170.5	21.6	0.0	594.1	1	
1K	111	-22786	-16	-326	0	-447	38	423.5	143.1	27.6	0.0	566.6	1	
1L	111	-22786	13	-326	0	-447	-44	423.5	147.5	27.6	0.0	571.1	1	
1M	111	18398	-16	255	0	536	38	342.0	166.1	21.6	0.0	508.0	1	
1N	111	18398	13	255	0	536	-44	342.0	170.5	21.6	0.0	512.5	1	
1O	111	18398	-16	-326	0	-447	38	342.0	143.1	27.6	0.0	485.0	1	
1P	111	18398	13	-326	0	-447	-44	342.0	147.5	27.6	0.0	489.5	1	
2	111	2391	-4	-209	0	16	-7	44.4	9.3	17.7	0.0	55.5	3	
7	111	2349	-4	-210	0	17	-7	43.7	9.4	17.8	0.0	55.1	3	
8	111	872	-3	-161	0	28	-6	16.2	11.6	13.6	0.0	30.9	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-10366	338	40	23	23	14	1.03	1.00	315.4
1B	-10366	338	44	23	23	14	1.03	1.00	319.0
1C	-10366	295	40	23	23	14	1.03	1.00	304.5
1D	-10366	295	44	23	23	14	1.03	1.00	308.1
1E	5931	338	40	23	23	14	1.00	1.00	226.9
1F	5931	338	44	23	23	14	1.00	1.00	230.4
1G	5931	295	40	23	23	14	1.00	1.00	216.0
1H	5931	295	44	23	23	14	1.00	1.00	219.5
1I	-22833	704	32	23	23	14	1.03	1.00	643.1
1J	-22833	704	37	23	23	14	1.03	1.00	646.7
1K	-22833	661	32	23	23	14	1.03	1.00	632.2
1L	-22833	661	37	23	23	14	1.03	1.00	635.8
1M	18398	704	32	23	23	14	1.00	1.00	547.0
1N	18398	704	37	23	23	14	1.00	1.00	550.5
1O	18398	661	32	23	23	14	1.00	1.00	536.1
1P	18398	661	37	23	23	14	1.00	1.00	539.6
2	2391	123	5	23	23	14	1.00	1.00	79.8
7	2349	122	5	23	23	14	1.00	1.00	78.8
8	872	79	5	23	23	14	1.00	1.00	40.0

ASTA NUM. 440 NI 151 NF 152 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-10079	-10	146	0	294	48	187.3	112.0	12.4	0.0	299.3	1	
1B	0	-10079	7	146	0	294	-55	187.3	116.6	12.4	0.0	304.0	1	
1C	0	-10079	-10	-101	0	-209	48	187.3	90.1	8.6	0.0	277.4	1	
1D	0	-10079	7	-101	0	-209	-55	187.3	94.7	8.6	0.0	282.1	1	
1E	0	5677	-10	146	0	294	48	105.5	112.0	12.4	0.0	217.5	1	
1F	0	5677	7	146	0	294	-55	105.5	116.6	12.4	0.0	222.1	1	
1G	0	5677	-10	-101	0	-209	48	105.5	90.1	8.6	0.0	195.6	1	
1H	0	5677	7	-101	0	-209	-55	105.5	94.7	8.6	0.0	200.3	1	
1I	0	-22218	-15	252	0	677	38	413.0	202.3	21.4	0.0	615.3	1	
1J	0	-22218	12	252	0	677	-44	413.0	207.0	21.4	0.0	619.9	1	
1K	0	-22218	-15	-207	0	-592	38	413.0	180.4	17.5	0.0	593.4	1	
1L	0	-22218	12	-207	0	-592	-44	413.0	185.1	17.5	0.0	598.1	1	
1M	0	17816	-15	252	0	677	38	331.2	202.3	21.4	0.0	533.5	1	
1N	0	17816	12	252	0	677	-44	331.2	207.0	21.4	0.0	538.1	1	
1O	0	17816	-15	-207	0	-592	38	331.2	180.4	17.5	0.0	511.6	1	
1P	0	17816	12	-207	0	-592	-44	331.2	185.1	17.5	0.0	516.3	1	
2	0	2048	-3	-82	0	-70	-6	38.1	22.6	6.9	0.0	60.7	1	
7	0	2004	-3	-81	0	-69	-6	37.2	22.3	6.9	0.0	59.5	1	
8	0	627	-3	-49	0	-34	-6	11.6	13.0	4.1	0.0	24.6	1	
1A	55	-10056	-10	146	0	256	49	186.9	102.4	12.4	0.0	289.3	1	
1B	55	-10056	7	146	0	256	-57	186.9	108.3	12.4	0.0	295.2	1	
1C	55	-10056	-10	-101	0	-196	49	186.9	87.0	8.6	0.0	273.9	1	
1D	55	-10056	7	-101	0	-196	-57	186.9	92.9	8.6	0.0	279.8	1	
1E	55	5700	-10	146	0	256	49	106.0	102.4	12.4	0.0	208.3	1	
1F	55	5700	7	146	0	256	-57	106.0	108.3	12.4	0.0	214.3	1	
1G	55	5700	-10	-101	0	-196	49	106.0	87.0	8.6	0.0	192.9	1	
1H	55	5700	7	-101	0	-196	-57	106.0	92.9	8.6	0.0	198.8	1	
1I	55	-22195	-15	252	0	550	43	412.5	173.8	21.4	0.0	586.4	1	
1J	55	-22195	12	252	0	550	-51	412.5	179.8	21.4	0.0	592.3	1	
1K	55	-22195	-15	-207	0	-490	43	412.5	158.4	17.5	0.0	571.0	1	
1L	55	-22195	12	-207	0	-490	-51	412.5	164.4	17.5	0.0	576.9	1	
1M	55	17840	-15	252	0	550	43	331.6	173.8	21.4	0.0	505.4	1	
1N	55	17840	12	252	0	550	-51	331.6	179.8	21.4	0.0	511.4	1	
1O	55	17840	-15	-207	0	-490	43	331.6	158.4	17.5	0.0	490.0	1	
1P	55	17840	12	-207	0	-490	-51	331.6	164.4	17.5	0.0	495.9	1	
2	55	2078	-3	-82	0	-25	-8	38.6	12.1	6.9	0.0	50.7	1	
7	55	2034	-3	-81	0	-24	-7	37.8	11.7	6.9	0.0	49.6	1	
8	55	657	-3	-49	0	-7	-7	12.2	7.1	4.1	0.0	19.3	1	
1A	111	-10032	-10	146	0	217	49	186.5	92.8	12.4	0.0	279.3	1	
1B	111	-10032	7	146	0	217	-59	186.5	100.0	12.4	0.0	286.4	1	
1C	111	-10032	-10	-101	0	-182	49	186.5	83.8	8.6	0.0	270.3	1	
1D	111	-10032	7	-101	0	-182	-59	186.5	91.0	8.6	0.0	277.5	1	
1E	111	5724	-10	146	0	217	49	106.4	92.8	12.4	0.0	199.2	1	
1F	111	5724	7	146	0	217	-59	106.4	100.0	12.4	0.0	206.4	1	
1G	111	5724	-10	-101	0	-182	49	106.4	83.8	8.6	0.0	190.2	1	
1H	111	5724	7	-101	0	-182	-59	106.4	91.0	8.6	0.0	197.4	1	
1I	111	-22171	-15	252	0	423	49	412.1	145.4	21.4	0.0	557.5	1	
1J	111	-22171	12	252	0	423	-58	412.1	152.6	21.4	0.0	564.7	1	
1K	111	-22171	-15	-207	0	-388	49	412.1	136.4	17.5	0.0	548.5	1	
1L	111	-22171	12	-207	0	-388	-58	412.1	143.6	17.5	0.0	555.7	1	
1M	111	17863	-15	252	0	423	49	332.0	145.4	21.4	0.0	477.4	1	
1N	111	17863	12	252	0	423	-58	332.0	152.6	21.4	0.0	484.6	1	
1O	111	17863	-15	-207	0	-388	49	332.0	136.4	17.5	0.0	468.5	1	
1P	111	17863	12	-207	0	-388	-58	332.0	143.6	17.5	0.0	475.6	1	
2	111	2108	-3	-82	0	20	-9	39.2	11.9	6.9	0.0	51.1	1	
7	111	2065	-3	-81	0	21	-9	38.4	11.8	6.9	0.0	50.2	1	
8	111	687	-3	-49	0	20	-8	12.8	11.4	4.1	0.0	24.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10079	263	49	23	23	14	1.03	1.00	297.7	

1B	-10079	263	57	23	23	14	1.03	1.00	303.9
1C	-10079	198	49	23	23	14	1.03	1.00	280.9
1D	-10079	198	57	23	23	14	1.03	1.00	287.2
1E	5724	263	49	23	23	14	1.00	1.00	210.8
1F	5724	263	57	23	23	14	1.00	1.00	217.0
1G	5724	198	49	23	23	14	1.00	1.00	194.1
1H	5724	198	57	23	23	14	1.00	1.00	200.3
1I	-22218	575	44	23	23	14	1.03	1.00	607.5
1J	-22218	575	53	23	23	14	1.03	1.00	613.8
1K	-22218	510	44	23	23	14	1.03	1.00	590.7
1L	-22218	510	53	23	23	14	1.03	1.00	597.0
1M	17863	575	44	23	23	14	1.00	1.00	513.2
1N	17863	575	53	23	23	14	1.00	1.00	519.4
1O	17863	510	44	23	23	14	1.00	1.00	496.5
1P	17863	510	53	23	23	14	1.00	1.00	502.7
2	2108	34	8	23	23	14	1.00	1.00	53.8
7	2065	33	8	23	23	14	1.00	1.00	52.6
8	687	14	7	23	23	14	1.00	1.00	21.8

ASTA NUM. 441 NI 152 NF 153 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6803	-19	107	0	255	66	126.4	115.2	9.1	0.0	241.7	1	
1B	0	-6803	18	107	0	255	-78	126.4	123.7	9.1	0.0	250.2	1	
1C	0	-6803	-19	-167	0	-224	66	126.4	107.2	14.2	0.0	233.6	1	
1D	0	-6803	18	-167	0	-224	-78	126.4	115.7	14.2	0.0	242.1	1	
1E	0	2239	-19	107	0	255	66	41.6	115.2	9.1	0.0	156.9	1	
1F	0	2239	18	107	0	255	-78	41.6	123.7	9.1	0.0	165.3	1	
1G	0	2239	-19	-167	0	-224	66	41.6	107.2	14.2	0.0	148.8	1	
1H	0	2239	18	-167	0	-224	-78	41.6	115.7	14.2	0.0	157.3	1	
1I	0	-14358	-9	234	0	557	58	266.9	186.6	19.9	0.0	453.4	1	
1J	0	-14358	7	234	0	557	-69	266.9	195.0	19.9	0.0	461.9	1	
1K	0	-14358	-9	-295	0	-526	58	266.9	178.5	25.0	0.0	445.4	1	
1L	0	-14358	7	-295	0	-526	-69	266.9	187.0	25.0	0.0	453.9	1	
1M	0	9794	-9	234	0	557	58	182.0	186.6	19.9	0.0	368.6	1	
1N	0	9794	7	234	0	557	-69	182.0	195.0	19.9	0.0	377.1	1	
1O	0	9794	-9	-295	0	-526	58	182.0	178.5	25.0	0.0	360.5	1	
1P	0	9794	7	-295	0	-526	-69	182.0	187.0	25.0	0.0	369.0	1	
2	0	-1529	0	-132	0	-44	-10	28.4	18.9	11.2	0.0	47.3	1	
7	0	-1583	0	-133	0	-44	-10	29.4	18.5	11.3	0.0	48.0	1	
8	0	-1928	-0	-104	0	-26	-9	35.8	13.9	8.9	0.0	49.7	1	
1A	55	-6780	-19	107	0	197	57	126.0	93.5	9.1	0.0	219.5	1	
1B	55	-6780	18	107	0	197	-69	126.0	102.5	9.1	0.0	228.5	1	
1C	55	-6780	-19	-167	0	-132	57	126.0	76.9	14.2	0.0	202.9	1	
1D	55	-6780	18	-167	0	-132	-69	126.0	85.9	14.2	0.0	211.9	1	
1E	55	2262	-19	107	0	197	57	42.0	93.5	9.1	0.0	135.6	1	
1F	55	2262	18	107	0	197	-69	42.0	102.5	9.1	0.0	144.6	1	
1G	55	2262	-19	-167	0	-132	57	42.0	76.9	14.2	0.0	118.9	1	
1H	55	2262	18	-167	0	-132	-69	42.0	85.9	14.2	0.0	127.9	1	
1I	55	-14335	-9	234	0	428	56	266.5	152.0	19.9	0.0	418.5	1	
1J	55	-14335	7	234	0	428	-68	266.5	161.0	19.9	0.0	427.5	1	
1K	55	-14335	-9	-295	0	-363	56	266.5	135.4	25.0	0.0	401.8	1	
1L	55	-14335	7	-295	0	-363	-68	266.5	144.4	25.0	0.0	410.8	1	
1M	55	9817	-9	234	0	428	56	182.5	152.0	19.9	0.0	334.5	1	
1N	55	9817	7	234	0	428	-68	182.5	161.0	19.9	0.0	343.5	1	
1O	55	9817	-9	-295	0	-363	56	182.5	135.4	25.0	0.0	317.8	1	
1P	55	9817	7	-295	0	-363	-68	182.5	144.4	25.0	0.0	326.8	1	
2	55	-1498	0	-132	0	28	-10	27.9	14.7	11.2	0.0	42.5	1	
7	55	-1552	0	-133	0	29	-9	28.9	14.6	11.3	0.0	43.4	1	
8	55	-1898	-0	-104	0	32	-10	35.3	15.2	8.9	0.0	50.5	1	
1A	111	-6757	-19	107	0	138	48	125.6	71.8	9.1	0.0	197.4	1	
1B	111	-6757	18	107	0	138	-61	125.6	81.3	9.1	0.0	206.9	1	
1C	111	-6757	-19	-167	0	-40	48	125.6	46.5	14.2	0.0	172.1	1	
1D	111	-6757	18	-167	0	-40	-61	125.6	56.0	14.2	0.0	181.6	1	
1E	111	2285	-19	107	0	138	48	42.5	71.8	9.1	0.0	114.3	1	
1F	111	2285	18	107	0	138	-61	42.5	81.3	9.1	0.0	123.8	1	
1G	111	2285	-19	-167	0	-40	48	42.5	46.5	14.2	0.0	89.0	1	
1H	111	2285	18	-167	0	-40	-61	42.5	56.0	14.2	0.0	98.5	1	
1I	111	-14312	-9	234	0	299	54	266.0	117.5	19.9	0.0	383.5	1	
1J	111	-14312	7	234	0	299	-67	266.0	127.0	19.9	0.0	393.0	1	
1K	111	-14312	-9	-295	0	-201	54	266.0	92.2	25.0	0.0	358.2	1	
1L	111	-14312	7	-295	0	-201	-67	266.0	101.7	25.0	0.0	367.8	1	
1M	111	9840	-9	234	0	299	54	182.9	117.5	19.9	0.0	300.4	1	
1N	111	9840	7	234	0	299	-67	182.9	127.0	19.9	0.0	309.9	1	
1O	111	9840	-9	-295	0	-201	54	182.9	92.2	25.0	0.0	275.1	1	
1P	111	9840	7	-295	0	-201	-67	182.9	101.7	25.0	0.0	284.6	1	
2	111	-1468	0	-132	0	101	-10	27.3	33.3	11.2	0.0	60.6	1	
7	111	-1522	0	-133	0	103	-9	28.3	33.3	11.3	0.0	61.6	1	
8	111	-1868	-0	-104	0	89	-10	34.7	30.2	8.9	0.0	64.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6803	208	59	23	23	14	1.03	1.00	228.3	
1B	-6803	208	71	23	23	14	1.03	1.00	237.2	

1C	-6803	150	59	23	23	14	1.03	1.00	213.4
1D	-6803	150	71	23	23	14	1.03	1.00	222.3
1E	2285	208	59	23	23	14	1.00	1.00	140.3
1F	2285	208	71	23	23	14	1.00	1.00	149.2
1G	2285	150	59	23	23	14	1.00	1.00	125.4
1H	2285	150	71	23	23	14	1.00	1.00	134.3
1I	-14358	454	56	23	23	14	1.03	1.00	434.4
1J	-14358	454	68	23	23	14	1.03	1.00	443.4
1K	-14358	396	56	23	23	14	1.03	1.00	419.4
1L	-14358	396	68	23	23	14	1.03	1.00	428.4
1M	9840	454	56	23	23	14	1.00	1.00	341.8
1N	9840	454	68	23	23	14	1.00	1.00	350.7
1O	9840	396	56	23	23	14	1.00	1.00	326.9
1P	9840	396	68	23	23	14	1.00	1.00	335.8
2	-1529	43	10	23	23	14	1.03	1.00	47.7
7	-1583	44	9	23	23	14	1.03	1.00	48.7
8	-1928	43	10	23	23	14	1.03	1.00	55.1

ASTA NUM. 442 NI 153 NF 154 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6532	-57	110	0	188	70	121.4	100.6	9.3	0.0	222.0	1	
1B	0	-6532	62	110	0	188	-85	121.4	112.3	9.3	0.0	233.7	1	
1C	0	-6532	-57	-77	0	-94	70	121.4	76.4	6.6	0.0	197.8	1	
1D	0	-6532	62	-77	0	-94	-85	121.4	88.1	6.6	0.0	209.6	1	
1E	0	2046	-57	110	0	188	70	38.0	100.6	9.3	0.0	138.6	1	
1F	0	2046	62	110	0	188	-85	38.0	112.3	9.3	0.0	150.3	1	
1G	0	2046	-57	-77	0	-94	70	38.0	76.4	6.6	0.0	114.5	1	
1H	0	2046	62	-77	0	-94	-85	38.0	88.1	6.6	0.0	126.2	1	
1I	0	-13767	-40	241	0	433	70	255.9	163.5	20.4	0.0	419.4	1	
1J	0	-13767	45	241	0	433	-85	255.9	175.2	20.4	0.0	431.1	1	
1K	0	-13767	-40	-208	0	-339	70	255.9	139.4	17.6	0.0	395.3	1	
1L	0	-13767	45	-208	0	-339	-85	255.9	151.1	17.6	0.0	407.0	1	
1M	0	9281	-40	241	0	433	70	172.5	163.5	20.4	0.0	336.0	1	
1N	0	9281	45	241	0	433	-85	172.5	175.2	20.4	0.0	347.8	1	
1O	0	9281	-40	-208	0	-339	70	172.5	139.4	17.6	0.0	311.9	1	
1P	0	9281	45	-208	0	-339	-85	172.5	151.1	17.6	0.0	323.6	1	
2	0	-1639	4	-22	0	58	-12	30.5	23.7	1.9	0.0	54.1	1	
7	0	-1694	3	-22	0	59	-11	31.5	23.6	1.8	0.0	55.1	1	
8	0	-1992	4	-10	0	58	-12	37.0	23.6	0.8	0.0	60.7	1	
1A	55	-6509	-57	110	0	137	44	121.0	68.3	9.3	0.0	189.3	1	
1B	55	-6509	62	110	0	137	-57	121.0	78.1	9.3	0.0	199.1	1	
1C	55	-6509	-57	-77	0	-61	44	121.0	48.8	6.6	0.0	169.8	1	
1D	55	-6509	62	-77	0	-61	-57	121.0	58.6	6.6	0.0	179.6	1	
1E	55	2070	-57	110	0	137	44	38.5	68.3	9.3	0.0	106.7	1	
1F	55	2070	62	110	0	137	-57	38.5	78.1	9.3	0.0	116.6	1	
1G	55	2070	-57	-77	0	-61	44	38.5	48.8	6.6	0.0	87.3	1	
1H	55	2070	62	-77	0	-61	-57	38.5	58.6	6.6	0.0	97.1	1	
1I	55	-13744	-40	241	0	303	49	255.5	114.7	20.4	0.0	370.2	1	
1J	55	-13744	45	241	0	303	-62	255.5	124.6	20.4	0.0	380.0	1	
1K	55	-13744	-40	-208	0	-227	49	255.5	95.3	17.6	0.0	350.7	1	
1L	55	-13744	45	-208	0	-227	-62	255.5	105.1	17.6	0.0	360.6	1	
1M	55	9305	-40	241	0	303	49	173.0	114.7	20.4	0.0	287.7	1	
1N	55	9305	45	241	0	303	-62	173.0	124.6	20.4	0.0	297.5	1	
1O	55	9305	-40	-208	0	-227	49	173.0	95.3	17.6	0.0	268.2	1	
1P	55	9305	45	-208	0	-227	-62	173.0	105.1	17.6	0.0	278.0	1	
2	55	-1609	4	-22	0	70	-10	29.9	25.3	1.9	0.0	55.2	1	
7	55	-1664	3	-22	0	71	-9	30.9	25.3	1.8	0.0	56.3	1	
8	55	-1962	4	-10	0	63	-10	36.5	23.5	0.8	0.0	59.9	1	
1A	111	-6485	-57	110	0	86	19	120.5	36.0	9.3	0.0	156.5	1	
1B	111	-6485	62	110	0	86	-29	120.5	43.9	9.3	0.0	164.4	1	
1C	111	-6485	-57	-77	0	-28	19	120.5	21.2	6.6	0.0	141.7	1	
1D	111	-6485	62	-77	0	-28	-29	120.5	29.1	6.6	0.0	149.6	1	
1E	111	2093	-57	110	0	86	19	38.9	36.0	9.3	0.0	74.9	1	
1F	111	2093	62	110	0	86	-29	38.9	43.9	9.3	0.0	82.8	1	
1G	111	2093	-57	-77	0	-28	19	38.9	21.2	6.6	0.0	60.1	1	
1H	111	2093	62	-77	0	-28	-29	38.9	29.1	6.6	0.0	68.0	1	
1I	111	-13720	-40	241	0	172	29	255.0	66.0	20.4	0.0	321.0	1	
1J	111	-13720	45	241	0	172	-39	255.0	73.9	20.4	0.0	328.9	1	
1K	111	-13720	-40	-208	0	-115	29	255.0	51.2	17.6	0.0	306.2	1	
1L	111	-13720	45	-208	0	-115	-39	255.0	59.1	17.6	0.0	314.1	1	
1M	111	9328	-40	241	0	172	29	173.4	66.0	20.4	0.0	239.4	1	
1N	111	9328	45	241	0	172	-39	173.4	73.9	20.4	0.0	247.3	1	
1O	111	9328	-40	-208	0	-115	29	173.4	51.2	17.6	0.0	224.6	1	
1P	111	9328	45	-208	0	-115	-39	173.4	59.1	17.6	0.0	232.5	1	
2	111	-1579	4	-22	0	82	-8	29.3	26.9	1.9	0.0	56.3	1	
7	111	-1633	3	-22	0	83	-8	30.4	27.1	1.8	0.0	57.4	1	
8	111	-1931	4	-10	0	68	-8	35.9	23.3	0.8	0.0	59.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6532	147	49	23	23	14	1.03	1.00	200.0	
1B	-6532	147	63	23	23	14	1.03	1.00	210.2	
1C	-6532	68	49	23	23	14	1.03	1.00	179.5	

1D	-6532	68	63	23	23	14	1.03	1.00	189.8
1E	2093	147	49	23	23	14	1.00	1.00	113.6
1F	2093	147	63	23	23	14	1.00	1.00	123.8
1G	2093	68	49	23	23	14	1.00	1.00	93.2
1H	2093	68	63	23	23	14	1.00	1.00	103.4
1I	-13767	329	53	23	23	14	1.03	1.00	388.5
1J	-13767	329	67	23	23	14	1.03	1.00	398.8
1K	-13767	249	53	23	23	14	1.03	1.00	368.1
1L	-13767	249	67	23	23	14	1.03	1.00	378.4
1M	9328	329	53	23	23	14	1.00	1.00	297.9
1N	9328	329	67	23	23	14	1.00	1.00	308.1
1O	9328	249	53	23	23	14	1.00	1.00	277.5
1P	9328	249	67	23	23	14	1.00	1.00	287.7
2	-1639	73	10	23	23	14	1.03	1.00	57.6
7	-1694	74	10	23	23	14	1.03	1.00	58.7
8	-1992	64	10	23	23	14	1.03	1.00	62.2

ASTA NUM. 443 NI 154 NF 155 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3964	-135	71	0	121	49	73.7	68.1	6.0	0.0	141.8	1	
1B	0	-3964	155	71	0	121	-67	73.7	81.1	6.0	0.0	154.7	1	
1C	0	-3964	-135	-121	0	-66	49	73.7	54.1	10.3	0.0	127.8	1	
1D	0	-3964	155	-121	0	-66	-67	73.7	67.1	10.3	0.0	140.7	1	
1E	0	-602	-135	71	0	121	49	11.2	68.1	6.0	0.0	79.3	1	
1F	0	-602	155	71	0	121	-67	11.2	81.1	6.0	0.0	92.3	1	
1G	0	-602	-135	-121	0	-66	49	11.2	54.1	10.3	0.0	65.3	1	
1H	0	-602	155	-121	0	-66	-67	11.2	67.1	10.3	0.0	78.3	1	
1I	0	-6563	-119	217	0	298	59	122.0	121.3	18.4	0.0	243.2	1	
1J	0	-6563	138	217	0	298	-77	122.0	134.2	18.4	0.0	256.2	1	
1K	0	-6563	-119	-267	0	-244	59	122.0	107.2	22.7	0.0	229.2	1	
1L	0	-6563	138	-267	0	-244	-77	122.0	120.2	22.7	0.0	242.2	1	
1M	0	1997	-119	217	0	298	59	37.1	121.3	18.4	0.0	158.4	1	
1N	0	1997	138	217	0	298	-77	37.1	134.2	18.4	0.0	171.3	1	
1O	0	1997	-119	-267	0	-244	59	37.1	107.2	22.7	0.0	144.4	1	
1P	0	1997	138	-267	0	-244	-77	37.1	120.2	22.7	0.0	157.3	1	
2	0	-2790	9	-46	0	61	-12	51.9	25.0	3.9	0.0	76.9	1	
7	0	-2852	8	-47	0	62	-12	53.0	24.9	4.0	0.0	77.9	1	
8	0	-2833	10	-43	0	52	-13	52.7	22.9	3.6	0.0	75.6	1	
1A	55	-3940	-135	71	0	78	-29	73.2	41.7	6.0	0.0	114.9	1	
1B	55	-3940	155	71	0	78	22	73.2	36.7	6.0	0.0	110.0	1	
1C	55	-3940	-135	-121	0	4	-29	73.2	22.6	10.3	0.0	95.8	1	
1D	55	-3940	155	-121	0	4	22	73.2	17.6	10.3	0.0	90.9	1	
1E	55	-579	-135	71	0	78	-29	10.8	41.7	6.0	0.0	52.4	1	
1F	55	-579	155	71	0	78	22	10.8	36.7	6.0	0.0	47.5	1	
1G	55	-579	-135	-121	0	4	-29	10.8	22.6	10.3	0.0	33.4	1	
1H	55	-579	155	-121	0	4	22	10.8	17.6	10.3	0.0	28.4	1	
1I	55	-6539	-119	217	0	183	-7	121.5	52.5	18.4	0.0	174.1	1	
1J	55	-6539	138	217	0	183	1	121.5	47.6	18.4	0.0	169.1	1	
1K	55	-6539	-119	-267	0	-101	-7	121.5	31.3	22.7	0.0	152.9	1	
1L	55	-6539	138	-267	0	-101	1	121.5	26.4	22.7	0.0	149.1	3	
1M	55	2020	-119	217	0	183	-7	37.6	52.5	18.4	0.0	90.1	1	
1N	55	2020	138	217	0	183	1	37.6	47.6	18.4	0.0	85.1	1	
1O	55	2020	-119	-267	0	-101	-7	37.6	31.3	22.7	0.0	70.5	3	
1P	55	2020	138	-267	0	-101	1	37.6	26.4	22.7	0.0	70.6	3	
2	55	-2760	9	-46	0	86	-8	51.3	28.0	3.9	0.0	79.3	1	
7	55	-2822	8	-47	0	88	-8	52.4	28.4	4.0	0.0	80.9	1	
8	55	-2802	10	-43	0	76	-7	52.1	24.6	3.6	0.0	76.7	1	
1A	111	-3917	-135	71	0	36	-107	72.8	89.3	6.0	0.0	162.1	1	
1B	111	-3917	155	71	0	36	111	72.8	92.3	6.0	0.0	165.1	1	
1C	111	-3917	-135	-121	0	75	-107	72.8	99.3	10.3	0.0	172.1	1	
1D	111	-3917	155	-121	0	75	111	72.8	102.3	10.3	0.0	175.1	1	
1E	111	-555	-135	71	0	36	-107	10.3	89.3	6.0	0.0	99.6	1	
1F	111	-555	155	71	0	36	111	10.3	92.3	6.0	0.0	102.6	1	
1G	111	-555	-135	-121	0	75	-107	10.3	99.3	10.3	0.0	109.7	1	
1H	111	-555	155	-121	0	75	111	10.3	102.3	10.3	0.0	112.6	1	
1I	111	-6516	-119	217	0	68	-74	121.1	72.8	18.4	0.0	193.9	1	
1J	111	-6516	138	217	0	68	78	121.1	75.8	18.4	0.0	196.9	1	
1K	111	-6516	-119	-267	0	42	-74	121.1	66.3	22.7	0.0	187.4	1	
1L	111	-6516	138	-267	0	42	78	121.1	69.3	22.7	0.0	190.4	1	
1M	111	2044	-119	217	0	68	-74	38.0	72.8	18.4	0.0	110.8	1	
1N	111	2044	138	217	0	68	78	38.0	75.8	18.4	0.0	113.8	1	
1O	111	2044	-119	-267	0	42	-74	38.0	66.3	22.7	0.0	104.3	1	
1P	111	2044	138	-267	0	42	78	38.0	69.3	22.7	0.0	107.3	1	
2	111	-2729	9	-46	0	112	-3	50.7	31.0	3.9	0.0	81.8	1	
7	111	-2791	8	-47	0	114	-4	51.9	32.0	4.0	0.0	83.8	1	
8	111	-2772	10	-43	0	100	-1	51.5	26.4	3.6	0.0	77.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3964	87	44	23	23	14	1.03	1.00	131.6	
1B	-3964	87	44	23	23	14	1.03	1.00	131.5	
1C	-3964	30	44	23	23	14	1.03	1.00	116.9	
1D	-3964	30	44	23	23	14	1.03	1.00	116.9	

1E	-602	87	44	23	23	14	1.03	1.00	67.1
1F	-602	87	44	23	23	14	1.03	1.00	67.1
1G	-602	30	44	23	23	14	1.03	1.00	52.5
1H	-602	30	44	23	23	14	1.03	1.00	52.5
1I	-6563	206	30	23	23	14	1.03	1.00	201.0
1J	-6563	206	31	23	23	14	1.03	1.00	202.2
1K	-6563	129	30	23	23	14	1.03	1.00	181.2
1L	-6563	129	31	23	23	14	1.03	1.00	182.4
1M	2044	206	30	23	23	14	1.00	1.00	113.2
1N	2044	206	31	23	23	14	1.00	1.00	114.4
1O	2044	129	30	23	23	14	1.00	1.00	93.4
1P	2044	129	31	23	23	14	1.00	1.00	94.6
2	-2790	92	9	23	23	14	1.03	1.00	83.5
7	-2852	93	9	23	23	14	1.03	1.00	85.0
8	-2833	81	8	23	23	14	1.03	1.00	81.0

ASTA NUM. 444 NI 155 NF 156 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3808	-262	29	0	99	80	70.8	85.1	9.8	0.0	155.8	1	
1B	0	-3808	306	29	0	99	-80	70.8	85.1	11.5	0.0	155.9	1	
1C	0	-3808	-262	-334	0	12	80	70.8	62.9	28.3	0.0	133.7	1	
1D	0	-3808	306	-334	0	12	-80	70.8	63.0	28.3	0.0	133.7	1	
1E	0	-650	-262	29	0	99	80	12.1	85.1	9.8	0.0	97.2	1	
1F	0	-650	306	29	0	99	-80	12.1	85.1	11.5	0.0	97.2	1	
1G	0	-650	-262	-334	0	12	80	12.1	62.9	28.3	0.0	75.0	1	
1H	0	-650	306	-334	0	12	-80	12.1	63.0	28.3	0.0	75.1	1	
1I	0	-6057	-252	158	0	180	49	112.6	82.9	13.4	0.0	195.5	1	
1J	0	-6057	296	158	0	180	-49	112.6	82.9	13.4	0.0	195.5	1	
1K	0	-6057	-252	-463	0	-69	49	112.6	54.3	39.2	0.0	166.9	1	
1L	0	-6057	296	-463	0	-69	-49	112.6	54.4	39.2	0.0	166.9	1	
1M	0	1599	-252	158	0	180	49	29.7	82.9	13.4	0.0	112.6	1	
1N	0	1599	296	158	0	180	-49	29.7	82.9	13.4	0.0	112.6	1	
1O	0	1599	-252	-463	0	-69	49	29.7	54.3	39.2	0.0	84.0	1	
1P	0	1599	296	-463	0	-69	-49	29.7	54.4	39.2	0.0	84.1	1	
2	0	-2721	14	-119	0	112	-6	50.6	33.6	10.1	0.0	84.2	1	
7	0	-2783	12	-124	0	114	-7	51.7	34.4	10.5	0.0	86.1	1	
8	0	-2765	20	-144	0	100	-4	51.4	28.8	12.2	0.0	80.2	1	
1A	55	-3784	-262	29	0	80	247	70.3	205.8	9.8	0.0	276.1	1	
1B	55	-3784	306	29	0	80	-223	70.3	187.3	11.5	0.0	257.6	1	
1C	55	-3784	-262	-334	0	200	247	70.3	236.5	28.3	0.0	306.9	1	
1D	55	-3784	306	-334	0	200	-223	70.3	218.1	28.3	0.0	288.4	1	
1E	55	-627	-262	29	0	80	247	11.7	205.8	9.8	0.0	217.4	1	
1F	55	-627	306	29	0	80	-223	11.7	187.3	11.5	0.0	199.0	1	
1G	55	-627	-262	-334	0	200	247	11.7	236.5	28.3	0.0	248.2	1	
1H	55	-627	306	-334	0	200	-223	11.7	218.1	28.3	0.0	229.7	1	
1I	55	-6033	-252	158	0	92	212	112.1	182.4	13.4	0.0	294.5	1	
1J	55	-6033	296	158	0	92	-187	112.1	163.9	13.4	0.0	276.1	1	
1K	55	-6033	-252	-463	0	188	212	112.1	207.1	39.2	0.0	319.3	1	
1L	55	-6033	296	-463	0	188	-187	112.1	188.7	39.2	0.0	300.8	1	
1M	55	1622	-252	158	0	92	212	30.2	182.4	13.4	0.0	212.5	1	
1N	55	1622	296	158	0	92	-187	30.2	163.9	13.4	0.0	194.1	1	
1O	55	1622	-252	-463	0	188	212	30.2	207.1	39.2	0.0	237.3	1	
1P	55	1622	296	-463	0	188	-187	30.2	188.7	39.2	0.0	218.8	1	
2	55	-2690	14	-119	0	178	2	50.0	47.0	10.1	0.0	97.0	1	
7	55	-2752	12	-124	0	182	-0	51.2	47.0	10.5	0.0	98.1	1	
8	55	-2734	20	-144	0	179	7	50.8	51.4	12.2	0.0	102.3	1	
1A	111	-3761	-262	29	0	61	415	69.9	326.4	9.8	0.0	396.3	1	
1B	111	-3761	306	29	0	61	-366	69.9	289.5	11.5	0.0	359.4	1	
1C	111	-3761	-262	-334	0	387	415	69.9	410.2	28.3	0.0	480.1	1	
1D	111	-3761	306	-334	0	387	-366	69.9	373.2	28.3	0.0	443.1	1	
1E	111	-603	-262	29	0	61	415	11.2	326.4	9.8	0.0	337.7	1	
1F	111	-603	306	29	0	61	-366	11.2	289.5	11.5	0.0	300.7	1	
1G	111	-603	-262	-334	0	387	415	11.2	410.2	28.3	0.0	421.4	1	
1H	111	-603	306	-334	0	387	-366	11.2	373.2	28.3	0.0	384.4	1	
1I	111	-6010	-252	158	0	3	375	111.7	281.9	13.4	0.0	393.6	1	
1J	111	-6010	296	158	0	3	-326	111.7	245.0	13.4	0.0	356.7	1	
1K	111	-6010	-252	-463	0	445	375	111.7	395.5	39.2	0.0	507.2	1	
1L	111	-6010	296	-463	0	445	-326	111.7	358.6	39.2	0.0	470.3	1	
1M	111	1646	-252	158	0	3	375	30.6	281.9	13.4	0.0	312.5	1	
1N	111	1646	296	158	0	3	-326	30.6	245.0	13.4	0.0	275.6	1	
1O	111	1646	-252	-463	0	445	375	30.6	395.5	39.2	0.0	426.1	1	
1P	111	1646	296	-463	0	445	-326	30.6	358.6	39.2	0.0	389.1	1	
2	111	-2660	14	-119	0	244	9	49.4	69.9	10.1	0.0	119.4	1	
7	111	-2722	12	-124	0	251	7	50.6	69.6	10.5	0.0	120.2	1	
8	111	-2704	20	-144	0	259	18	50.3	80.4	12.2	0.0	130.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3808	84	281	23	23	14	1.03	1.00	305.1	
1B	-3808	84	251	23	23	14	1.03	1.00	282.9	
1C	-3808	237	281	23	23	14	1.03	1.00	344.6	
1D	-3808	237	251	23	23	14	1.03	1.00	322.4	
1E	-650	84	281	23	23	14	1.03	1.00	244.3	

1F	-650	84	251	23	23	14	1.03	1.00	222.2
1G	-650	237	281	23	23	14	1.03	1.00	283.8
1H	-650	237	251	23	23	14	1.03	1.00	261.6
1I	-6057	109	245	23	23	14	1.03	1.00	327.9
1J	-6057	109	215	23	23	14	1.03	1.00	305.7
1K	-6057	239	245	23	23	14	1.03	1.00	361.4
1L	-6057	239	215	23	23	14	1.03	1.00	339.1
1M	1646	109	245	23	23	14	1.00	1.00	242.0
1N	1646	109	215	23	23	14	1.00	1.00	219.8
1O	1646	239	245	23	23	14	1.00	1.00	275.4
1P	1646	239	215	23	23	14	1.00	1.00	253.3
2	-2721	191	4	23	23	14	1.03	1.00	104.2
7	-2783	196	3	23	23	14	1.03	1.00	105.8
8	-2765	195	9	23	23	14	1.03	1.00	110.2

ASTA NUM. 445 NI 109 NF 110 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-11350	-16	202	0	244	22	211.0	79.6	17.1	0.0	290.6	1	
1B	0	-11350	15	202	0	244	-23	211.0	79.9	17.1	0.0	290.9	1	
1C	0	-11350	-16	-133	0	-207	22	211.0	70.1	11.3	0.0	281.1	1	
1D	0	-11350	15	-133	0	-207	-23	211.0	70.4	11.3	0.0	281.4	1	
1E	0	8346	-16	202	0	244	22	155.1	79.6	17.1	0.0	234.8	1	
1F	0	8346	15	202	0	244	-23	155.1	79.9	17.1	0.0	235.0	1	
1G	0	8346	-16	-133	0	-207	22	155.1	70.1	11.3	0.0	225.2	1	
1H	0	8346	15	-133	0	-207	-23	155.1	70.4	11.3	0.0	225.5	1	
1I	0	-24859	-15	227	0	597	17	462.1	166.3	19.3	0.0	628.4	1	
1J	0	-24859	14	227	0	597	-17	462.1	166.6	19.3	0.0	628.7	1	
1K	0	-24859	-15	-159	0	-560	17	462.1	156.8	13.4	0.0	618.9	1	
1L	0	-24859	14	-159	0	-560	-17	462.1	157.1	13.4	0.0	619.1	1	
1M	0	21855	-15	227	0	597	17	406.2	166.3	19.3	0.0	572.6	1	
1N	0	21855	14	227	0	597	-17	406.2	166.6	19.3	0.0	572.8	1	
1O	0	21855	-15	-159	0	-560	17	406.2	156.8	13.4	0.0	563.0	1	
1P	0	21855	14	-159	0	-560	-17	406.2	157.1	13.4	0.0	563.3	1	
2	0	6946	-0	-102	0	-180	2	129.1	47.7	8.6	0.0	176.8	1	
7	0	7159	0	-110	0	-179	2	133.1	47.8	9.3	0.0	180.8	1	
8	0	4454	-0	-58	0	-124	1	82.8	32.7	5.0	0.0	115.5	1	
1A	55	-11326	-16	202	0	224	31	210.5	80.6	17.1	0.0	291.1	1	
1B	55	-11326	15	202	0	224	-31	210.5	81.2	17.1	0.0	291.8	1	
1C	55	-11326	-16	-133	0	-225	31	210.5	80.8	11.3	0.0	291.4	1	
1D	55	-11326	15	-133	0	-225	-31	210.5	81.5	11.3	0.0	292.0	1	
1E	55	8370	-16	202	0	224	31	155.6	80.6	17.1	0.0	236.1	1	
1F	55	8370	15	202	0	224	-31	155.6	81.2	17.1	0.0	236.8	1	
1G	55	8370	-16	-133	0	-225	31	155.6	80.8	11.3	0.0	236.4	1	
1H	55	8370	15	-133	0	-225	-31	155.6	81.5	11.3	0.0	237.1	1	
1I	55	-24835	-15	227	0	499	25	461.6	146.9	19.3	0.0	608.5	1	
1J	55	-24835	14	227	0	499	-26	461.6	147.5	19.3	0.0	609.2	1	
1K	55	-24835	-15	-159	0	-500	25	461.6	147.2	13.4	0.0	608.8	1	
1L	55	-24835	14	-159	0	-500	-26	461.6	147.8	13.4	0.0	609.4	1	
1M	55	21878	-15	227	0	499	25	406.7	146.9	19.3	0.0	553.5	1	
1N	55	21878	14	227	0	499	-26	406.7	147.5	19.3	0.0	554.2	1	
1O	55	21878	-15	-159	0	-500	25	406.7	147.2	13.4	0.0	553.8	1	
1P	55	21878	14	-159	0	-500	-26	406.7	147.8	13.4	0.0	554.5	1	
2	55	6976	-0	-102	0	-124	2	129.7	33.1	8.6	0.0	162.7	1	
7	55	7190	0	-110	0	-119	2	133.6	32.4	9.3	0.0	166.0	1	
8	55	4484	-0	-58	0	-91	1	83.4	24.2	5.0	0.0	107.6	1	
1A	111	-11303	-16	202	0	204	39	210.1	81.5	17.1	0.0	291.6	1	
1B	111	-11303	15	202	0	204	-40	210.1	82.5	17.1	0.0	292.6	1	
1C	111	-11303	-16	-133	0	-244	39	210.1	91.6	11.3	0.0	301.7	1	
1D	111	-11303	15	-133	0	-244	-40	210.1	92.6	11.3	0.0	302.7	1	
1E	111	8393	-16	202	0	204	39	156.0	81.5	17.1	0.0	237.5	1	
1F	111	8393	15	202	0	204	-40	156.0	82.5	17.1	0.0	238.5	1	
1G	111	8393	-16	-133	0	-244	39	156.0	91.6	11.3	0.0	247.6	1	
1H	111	8393	15	-133	0	-244	-40	156.0	92.6	11.3	0.0	248.6	1	
1I	111	-24812	-15	227	0	400	33	461.2	127.4	19.3	0.0	588.6	1	
1J	111	-24812	14	227	0	400	-34	461.2	128.5	19.3	0.0	589.7	1	
1K	111	-24812	-15	-159	0	-439	33	461.2	137.5	13.4	0.0	598.7	1	
1L	111	-24812	14	-159	0	-439	-34	461.2	138.5	13.4	0.0	599.7	1	
1M	111	21902	-15	227	0	400	33	407.1	127.4	19.3	0.0	534.5	1	
1N	111	21902	14	227	0	400	-34	407.1	128.5	19.3	0.0	535.6	1	
1O	111	21902	-15	-159	0	-439	33	407.1	137.5	13.4	0.0	544.6	1	
1P	111	21902	14	-159	0	-439	-34	407.1	138.5	13.4	0.0	545.6	1	
2	111	7007	-0	-102	0	-68	1	130.2	18.4	8.6	0.0	148.7	1	
7	111	7220	0	-110	0	-58	3	134.2	17.0	9.3	0.0	151.2	1	
8	111	4515	-0	-58	0	-59	1	83.9	15.7	5.0	0.0	99.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11350	228	32	23	23	14	1.03	1.00	300.3	
1B	-11350	228	33	23	23	14	1.03	1.00	301.1	
1C	-11350	229	32	23	23	14	1.03	1.00	300.5	
1D	-11350	229	33	23	23	14	1.03	1.00	301.3	
1E	8393	228	32	23	23	14	1.00	1.00	238.8	
1F	8393	228	33	23	23	14	1.00	1.00	239.5	

1G	8393	229	32	23	23	14	1.00	1.00	239.0
1H	8393	229	33	23	23	14	1.00	1.00	239.7
1I	-24859	518	26	23	23	14	1.03	1.00	629.8
1J	-24859	518	27	23	23	14	1.03	1.00	630.6
1K	-24859	512	26	23	23	14	1.03	1.00	628.1
1L	-24859	512	27	23	23	14	1.03	1.00	628.9
1M	21902	518	26	23	23	14	1.00	1.00	560.2
1N	21902	518	27	23	23	14	1.00	1.00	560.9
1O	21902	512	26	23	23	14	1.00	1.00	558.5
1P	21902	512	27	23	23	14	1.00	1.00	559.2
2	7007	135	2	23	23	14	1.00	1.00	166.2
7	7220	131	3	23	23	14	1.00	1.00	169.7
8	4515	98	1	23	23	14	1.00	1.00	109.8

ASTA NUM. 446 NI 110 NF 111 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8304	-27	91	0	226	46	154.3	92.4	7.7	0.0	246.8	1	
1B	0	-8304	28	91	0	226	-49	154.3	94.9	7.7	0.0	249.3	1	
1C	0	-8304	-27	-199	0	-280	46	154.3	106.4	16.9	0.0	260.7	1	
1D	0	-8304	28	-199	0	-280	-49	154.3	108.9	16.9	0.0	263.3	1	
1E	0	4484	-27	91	0	226	46	83.3	92.4	7.7	0.0	175.8	1	
1F	0	4484	28	91	0	226	-49	83.3	94.9	7.7	0.0	178.3	1	
1G	0	4484	-27	-199	0	-280	46	83.3	106.4	16.9	0.0	189.7	1	
1H	0	4484	28	-199	0	-280	-49	83.3	108.9	16.9	0.0	192.3	1	
1I	0	-16486	-16	194	0	539	29	306.4	160.2	16.4	0.0	466.6	1	
1J	0	-16486	16	194	0	539	-32	306.4	162.7	16.4	0.0	469.2	1	
1K	0	-16486	-16	-301	0	-593	29	306.4	174.2	25.5	0.0	480.6	1	
1L	0	-16486	16	-301	0	-593	-32	306.4	176.7	25.5	0.0	483.1	1	
1M	0	12666	-16	194	0	539	29	235.4	160.2	16.4	0.0	395.6	1	
1N	0	12666	16	194	0	539	-32	235.4	162.7	16.4	0.0	398.2	1	
1O	0	12666	-16	-301	0	-593	29	235.4	174.2	25.5	0.0	409.6	1	
1P	0	12666	16	-301	0	-593	-32	235.4	176.7	25.5	0.0	412.1	1	
2	0	-1671	1	-322	0	-221	-2	31.1	58.5	27.3	0.0	92.0	3	
7	0	-1170	1	-300	0	-207	-1	21.7	53.7	25.5	0.0	79.5	3	
8	0	-1803	1	-248	0	-170	-2	33.5	45.3	21.0	0.0	79.6	3	
1A	55	-8281	-27	91	0	186	43	153.9	80.3	7.7	0.0	234.2	1	
1B	55	-8281	28	91	0	186	-46	153.9	82.5	7.7	0.0	236.4	1	
1C	55	-8281	-27	-199	0	-181	43	153.9	78.9	16.9	0.0	232.9	1	
1D	55	-8281	28	-199	0	-181	-46	153.9	81.1	16.9	0.0	235.1	1	
1E	55	4507	-27	91	0	186	43	83.8	80.3	7.7	0.0	164.0	1	
1F	55	4507	28	91	0	186	-46	83.8	82.5	7.7	0.0	166.2	1	
1G	55	4507	-27	-199	0	-181	43	83.8	78.9	16.9	0.0	162.7	1	
1H	55	4507	28	-199	0	-181	-46	83.8	81.1	16.9	0.0	164.9	1	
1I	55	-16463	-16	194	0	435	32	306.0	135.5	16.4	0.0	441.5	1	
1J	55	-16463	16	194	0	435	-34	306.0	137.7	16.4	0.0	443.7	1	
1K	55	-16463	-16	-301	0	-430	32	306.0	134.1	25.5	0.0	440.2	1	
1L	55	-16463	16	-301	0	-430	-34	306.0	136.3	25.5	0.0	442.4	1	
1M	55	12689	-16	194	0	435	32	235.9	135.5	16.4	0.0	371.4	1	
1N	55	12689	16	194	0	435	-34	235.9	137.7	16.4	0.0	373.6	1	
1O	55	12689	-16	-301	0	-430	32	235.9	134.1	25.5	0.0	370.0	1	
1P	55	12689	16	-301	0	-430	-34	235.9	136.3	25.5	0.0	372.2	1	
2	55	-1640	1	-322	0	-43	-2	30.5	12.3	27.3	0.0	58.2	3	
7	55	-1140	1	-300	0	-40	0	21.2	10.5	25.5	0.0	49.5	3	
8	55	-1772	1	-248	0	-33	-2	32.9	9.7	21.0	0.0	51.8	3	
1A	111	-8258	-27	91	0	146	41	153.5	68.1	7.7	0.0	221.6	1	
1B	111	-8258	28	91	0	146	-43	153.5	70.0	7.7	0.0	223.5	1	
1C	111	-8258	-27	-199	0	-81	41	153.5	51.5	16.9	0.0	205.0	1	
1D	111	-8258	28	-199	0	-81	-43	153.5	53.3	16.9	0.0	206.8	1	
1E	111	4530	-27	91	0	146	41	84.2	68.1	7.7	0.0	152.3	1	
1F	111	4530	28	91	0	146	-43	84.2	70.0	7.7	0.0	154.2	1	
1G	111	4530	-27	-199	0	-81	41	84.2	51.5	16.9	0.0	135.7	1	
1H	111	4530	28	-199	0	-81	-43	84.2	53.3	16.9	0.0	137.5	1	
1I	111	-16440	-16	194	0	331	34	305.6	110.8	16.4	0.0	416.4	1	
1J	111	-16440	16	194	0	331	-37	305.6	112.7	16.4	0.0	418.2	1	
1K	111	-16440	-16	-301	0	-266	34	305.6	94.1	25.5	0.0	399.7	1	
1L	111	-16440	16	-301	0	-266	-37	305.6	96.0	25.5	0.0	401.6	1	
1M	111	12712	-16	194	0	331	34	236.3	110.8	16.4	0.0	347.1	1	
1N	111	12712	16	194	0	331	-37	236.3	112.7	16.4	0.0	348.9	1	
1O	111	12712	-16	-301	0	-266	34	236.3	94.1	25.5	0.0	330.4	1	
1P	111	12712	16	-301	0	-266	-37	236.3	96.0	25.5	0.0	332.3	1	
2	111	-1610	1	-322	0	135	-1	29.9	35.3	27.3	0.0	73.9	3	
7	111	-1109	1	-300	0	126	1	20.6	33.0	25.5	0.0	63.1	3	
8	111	-1742	1	-248	0	104	-1	32.4	27.7	21.0	0.0	65.0	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8304	194	44	23	23	14	1.03	1.00	241.9	
1B	-8304	194	47	23	23	14	1.03	1.00	244.2	
1C	-8304	200	44	23	23	14	1.03	1.00	243.6	
1D	-8304	200	47	23	23	14	1.03	1.00	245.9	
1E	4530	194	44	23	23	14	1.00	1.00	166.9	
1F	4530	194	47	23	23	14	1.00	1.00	169.2	
1G	4530	200	44	23	23	14	1.00	1.00	168.6	

1H	4530	200	47	23	23	14	1.00	1.00	170.9
1I	-16486	456	32	23	23	14	1.03	1.00	457.4
1J	-16486	456	35	23	23	14	1.03	1.00	459.6
1K	-16486	462	32	23	23	14	1.03	1.00	459.1
1L	-16486	462	35	23	23	14	1.03	1.00	461.3
1M	12712	456	32	23	23	14	1.00	1.00	377.5
1N	12712	456	35	23	23	14	1.00	1.00	379.7
1O	12712	462	32	23	23	14	1.00	1.00	379.3
1P	12712	462	35	23	23	14	1.00	1.00	381.4
2	-1671	88	2	23	23	14	1.03	1.00	56.0
7	-1170	83	0	23	23	14	1.03	1.00	43.9
8	-1803	68	2	23	23	14	1.03	1.00	53.3

ASTA NUM. 447 NI 111 NF 112 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8041	-15	163	0	197	44	149.5	83.9	13.8	0.0	233.3	1	
1B	0	-8041	16	163	0	197	-49	149.5	87.8	13.8	0.0	237.3	1	
1C	0	-8041	-15	-110	0	-148	44	149.5	71.2	9.3	0.0	220.6	1	
1D	0	-8041	16	-110	0	-148	-49	149.5	75.1	9.3	0.0	224.6	1	
1E	0	4255	-15	163	0	197	44	79.1	83.9	13.8	0.0	163.0	1	
1F	0	4255	16	163	0	197	-49	79.1	87.8	13.8	0.0	166.9	1	
1G	0	4255	-15	-110	0	-148	44	79.1	71.2	9.3	0.0	150.3	1	
1H	0	4255	16	-110	0	-148	-49	79.1	75.1	9.3	0.0	154.2	1	
1I	0	-15868	-12	287	0	473	30	294.9	144.2	24.3	0.0	439.1	1	
1J	0	-15868	12	287	0	473	-35	294.9	148.1	24.3	0.0	443.1	1	
1K	0	-15868	-12	-233	0	-423	30	294.9	131.5	19.8	0.0	426.5	1	
1L	0	-15868	12	-233	0	-423	-35	294.9	135.5	19.8	0.0	430.4	1	
1M	0	12082	-12	287	0	473	30	224.6	144.2	24.3	0.0	368.8	1	
1N	0	12082	12	287	0	473	-35	224.6	148.1	24.3	0.0	372.7	1	
1O	0	12082	-12	-233	0	-423	30	224.6	131.5	19.8	0.0	356.1	1	
1P	0	12082	12	-233	0	-423	-35	224.6	135.5	19.8	0.0	360.0	1	
2	0	-2092	0	-75	0	14	-8	38.9	9.2	6.3	0.0	48.1	1	
7	0	-1571	1	-79	0	9	-5	29.2	6.2	6.7	0.0	35.4	1	
8	0	-2095	-0	-43	0	15	-6	38.9	8.7	3.7	0.0	47.7	1	
1A	55	-8018	-15	163	0	147	40	149.0	67.5	13.8	0.0	216.5	1	
1B	55	-8018	16	163	0	147	-45	149.0	71.3	13.8	0.0	220.3	1	
1C	55	-8018	-15	-110	0	-127	40	149.0	62.4	9.3	0.0	211.4	1	
1D	55	-8018	16	-110	0	-127	-45	149.0	66.2	9.3	0.0	215.2	1	
1E	55	4278	-15	163	0	147	40	79.5	67.5	13.8	0.0	147.0	1	
1F	55	4278	16	163	0	147	-45	79.5	71.3	13.8	0.0	150.8	1	
1G	55	4278	-15	-110	0	-127	40	79.5	62.4	9.3	0.0	141.9	1	
1H	55	4278	16	-110	0	-127	-45	79.5	66.2	9.3	0.0	145.7	1	
1I	55	-15844	-12	287	0	326	32	294.5	107.6	24.3	0.0	402.1	1	
1J	55	-15844	12	287	0	326	-37	294.5	111.4	24.3	0.0	405.9	1	
1K	55	-15844	-12	-233	0	-306	32	294.5	102.5	19.8	0.0	397.0	1	
1L	55	-15844	12	-233	0	-306	-37	294.5	106.3	19.8	0.0	400.8	1	
1M	55	12105	-12	287	0	326	32	225.0	107.6	24.3	0.0	332.6	1	
1N	55	12105	12	287	0	326	-37	225.0	111.4	24.3	0.0	336.4	1	
1O	55	12105	-12	-233	0	-306	32	225.0	102.5	19.8	0.0	327.5	1	
1P	55	12105	12	-233	0	-306	-37	225.0	106.3	19.8	0.0	331.3	1	
2	55	-2062	0	-75	0	55	-7	38.3	19.7	6.3	0.0	58.0	1	
7	55	-1541	1	-79	0	53	-5	28.6	17.2	6.7	0.0	45.8	1	
8	55	-2064	-0	-43	0	39	-6	38.4	14.9	3.7	0.0	53.3	1	
1A	111	-7994	-15	163	0	97	35	148.6	51.2	13.8	0.0	199.8	1	
1B	111	-7994	16	163	0	97	-40	148.6	54.8	13.8	0.0	203.4	1	
1C	111	-7994	-15	-110	0	-107	35	148.6	53.6	9.3	0.0	202.2	1	
1D	111	-7994	16	-110	0	-107	-40	148.6	57.3	9.3	0.0	205.9	1	
1E	111	4302	-15	163	0	97	35	80.0	51.2	13.8	0.0	131.1	1	
1F	111	4302	16	163	0	97	-40	80.0	54.8	13.8	0.0	134.8	1	
1G	111	4302	-15	-110	0	-107	35	80.0	53.6	9.3	0.0	133.6	1	
1H	111	4302	16	-110	0	-107	-40	80.0	57.3	9.3	0.0	137.3	1	
1I	111	-15821	-12	287	0	179	33	294.1	71.0	24.3	0.0	365.1	1	
1J	111	-15821	12	287	0	179	-38	294.1	74.7	24.3	0.0	368.7	1	
1K	111	-15821	-12	-233	0	-189	33	294.1	73.5	19.8	0.0	367.5	1	
1L	111	-15821	12	-233	0	-189	-38	294.1	77.1	19.8	0.0	371.2	1	
1M	111	12129	-12	287	0	179	33	225.4	71.0	24.3	0.0	296.4	1	
1N	111	12129	12	287	0	179	-38	225.4	74.7	24.3	0.0	300.1	1	
1O	111	12129	-12	-233	0	-189	33	225.4	73.5	19.8	0.0	298.9	1	
1P	111	12129	12	-233	0	-189	-38	225.4	77.1	19.8	0.0	302.6	1	
2	111	-2032	0	-75	0	96	-7	37.8	30.2	6.3	0.0	68.0	1	
7	111	-1511	1	-79	0	97	-4	28.1	28.2	6.7	0.0	56.3	1	
8	111	-2034	-0	-43	0	63	-6	37.8	21.1	3.7	0.0	58.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8041	157	41	23	23	14	1.03	1.00	224.9	
1B	-8041	157	46	23	23	14	1.03	1.00	228.7	
1C	-8041	132	41	23	23	14	1.03	1.00	218.3	
1D	-8041	132	46	23	23	14	1.03	1.00	222.1	
1E	4302	157	41	23	23	14	1.00	1.00	150.8	
1F	4302	157	46	23	23	14	1.00	1.00	154.6	
1G	4302	132	41	23	23	14	1.00	1.00	144.1	
1H	4302	132	46	23	23	14	1.00	1.00	147.9	

1I	-15868	355	32	23	23	14	1.03	1.00	419.6
1J	-15868	355	37	23	23	14	1.03	1.00	423.4
1K	-15868	330	32	23	23	14	1.03	1.00	413.0
1L	-15868	330	37	23	23	14	1.03	1.00	416.8
1M	12129	355	32	23	23	14	1.00	1.00	340.8
1N	12129	355	37	23	23	14	1.00	1.00	344.6
1O	12129	330	32	23	23	14	1.00	1.00	334.2
1P	12129	330	37	23	23	14	1.00	1.00	338.0
2	-2092	63	7	23	23	14	1.03	1.00	61.9
7	-1571	62	5	23	23	14	1.03	1.00	49.6
8	-2095	44	6	23	23	14	1.03	1.00	56.3

ASTA NUM. 448 NI 112 NF 113 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5096	-42	55	0	123	50	94.7	69.0	4.7	0.0	163.7	1	
1B	0	-5096	52	55	0	123	-60	94.7	76.4	4.7	0.0	171.1	1	
1C	0	-5096	-42	-157	0	-147	50	94.7	75.3	13.3	0.0	170.0	1	
1D	0	-5096	52	-157	0	-147	-60	94.7	82.7	13.3	0.0	177.4	1	
1E	0	546	-42	55	0	123	50	10.1	69.0	4.7	0.0	79.2	1	
1F	0	546	52	55	0	123	-60	10.1	76.4	4.7	0.0	86.5	1	
1G	0	546	-42	-157	0	-147	50	10.1	75.3	13.3	0.0	85.5	1	
1H	0	546	52	-157	0	-147	-60	10.1	82.7	13.3	0.0	92.8	1	
1I	0	-7986	-21	191	0	314	36	148.4	107.8	16.2	0.0	256.3	1	
1J	0	-7986	31	191	0	314	-46	148.4	115.2	16.2	0.0	263.6	1	
1K	0	-7986	-21	-293	0	-338	36	148.4	114.1	24.8	0.0	262.5	1	
1L	0	-7986	31	-293	0	-338	-46	148.4	121.5	24.8	0.0	269.9	1	
1M	0	3436	-21	191	0	314	36	63.9	107.8	16.2	0.0	171.7	1	
1N	0	3436	31	191	0	314	-46	63.9	115.2	16.2	0.0	179.1	1	
1O	0	3436	-21	-293	0	-338	36	63.9	114.1	24.8	0.0	178.0	1	
1P	0	3436	31	-293	0	-338	-46	63.9	121.5	24.8	0.0	185.3	1	
2	0	-7167	19	-224	0	4	-17	133.2	14.1	19.0	0.0	147.3	1	
7	0	-6374	16	-204	0	10	-13	118.5	11.9	17.3	0.0	130.4	1	
8	0	-5858	15	-179	0	-5	-14	108.9	12.1	15.2	0.0	121.0	1	
1A	55	-5072	-42	55	0	96	40	94.3	55.1	4.7	0.0	149.3	1	
1B	55	-5072	52	55	0	96	-45	94.3	58.3	4.7	0.0	152.6	1	
1C	55	-5072	-42	-157	0	-64	40	94.3	46.9	13.3	0.0	141.2	1	
1D	55	-5072	52	-157	0	-64	-45	94.3	50.2	13.3	0.0	144.5	1	
1E	55	569	-42	55	0	96	40	10.6	55.1	4.7	0.0	65.6	1	
1F	55	569	52	55	0	96	-45	10.6	58.3	4.7	0.0	68.9	1	
1G	55	569	-42	-157	0	-64	40	10.6	46.9	13.3	0.0	57.5	1	
1H	55	569	52	-157	0	-64	-45	10.6	50.2	13.3	0.0	60.8	1	
1I	55	-7963	-21	191	0	209	34	148.0	79.3	16.2	0.0	227.3	1	
1J	55	-7963	31	191	0	209	-38	148.0	82.6	16.2	0.0	230.6	1	
1K	55	-7963	-21	-293	0	-177	34	148.0	71.1	24.8	0.0	219.1	1	
1L	55	-7963	31	-293	0	-177	-38	148.0	74.4	24.8	0.0	222.4	1	
1M	55	3460	-21	191	0	209	34	64.3	79.3	16.2	0.0	143.6	1	
1N	55	3460	31	191	0	209	-38	64.3	82.6	16.2	0.0	146.9	1	
1O	55	3460	-21	-293	0	-177	34	64.3	71.1	24.8	0.0	135.4	1	
1P	55	3460	31	-293	0	-177	-38	64.3	74.4	24.8	0.0	138.7	1	
2	55	-7137	19	-224	0	128	-7	132.7	38.0	19.0	0.0	170.7	1	
7	55	-6344	16	-204	0	122	-4	117.9	34.3	17.3	0.0	152.2	1	
8	55	-5828	15	-179	0	94	-6	108.3	28.7	15.2	0.0	137.0	1	
1A	111	-5049	-42	55	0	69	31	93.8	41.1	4.7	0.0	134.9	1	
1B	111	-5049	52	55	0	69	-30	93.8	40.3	4.7	0.0	134.1	1	
1C	111	-5049	-42	-157	0	19	31	93.8	28.0	13.3	0.0	121.9	1	
1D	111	-5049	52	-157	0	19	-30	93.8	27.2	13.3	0.0	121.1	1	
1E	111	593	-42	55	0	69	31	11.0	41.1	4.7	0.0	52.1	1	
1F	111	593	52	55	0	69	-30	11.0	40.3	4.7	0.0	51.3	1	
1G	111	593	-42	-157	0	19	31	11.0	28.0	13.3	0.0	39.1	1	
1H	111	593	52	-157	0	19	-30	11.0	27.2	13.3	0.0	38.3	1	
1I	111	-7939	-21	191	0	105	32	147.6	50.8	16.2	0.0	198.4	1	
1J	111	-7939	31	191	0	105	-31	147.6	50.0	16.2	0.0	197.6	1	
1K	111	-7939	-21	-293	0	-17	32	147.6	28.2	24.8	0.0	175.8	1	
1L	111	-7939	31	-293	0	-17	-31	147.6	27.4	24.8	0.0	175.0	1	
1M	111	3483	-21	191	0	105	32	64.7	50.8	16.2	0.0	115.5	1	
1N	111	3483	31	191	0	105	-31	64.7	50.0	16.2	0.0	114.7	1	
1O	111	3483	-21	-293	0	-17	32	64.7	28.2	24.8	0.0	92.9	1	
1P	111	3483	31	-293	0	-17	-31	64.7	27.4	24.8	0.0	92.1	1	
2	111	-7107	19	-224	0	252	4	132.1	67.8	19.0	0.0	199.9	1	
7	111	-6313	16	-204	0	235	5	117.3	64.3	17.3	0.0	181.7	1	
8	111	-5798	15	-179	0	193	2	107.8	51.4	15.2	0.0	159.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5096	102	42	23	23	14	1.03	1.00	155.5	
1B	-5096	102	48	23	23	14	1.03	1.00	159.6	
1C	-5096	81	42	23	23	14	1.03	1.00	150.2	
1D	-5096	81	48	23	23	14	1.03	1.00	154.3	
1E	593	102	42	23	23	14	1.00	1.00	68.9	
1F	593	102	48	23	23	14	1.00	1.00	73.0	
1G	593	81	42	23	23	14	1.00	1.00	63.6	
1H	593	81	48	23	23	14	1.00	1.00	67.7	
1I	-7986	230	34	23	23	14	1.03	1.00	238.1	

1J	-7986	230	40	23	23	14	1.03	1.00	242.2
1K	-7986	210	34	23	23	14	1.03	1.00	232.8
1L	-7986	210	40	23	23	14	1.03	1.00	236.9
1M	3483	230	34	23	23	14	1.00	1.00	149.8
1N	3483	230	40	23	23	14	1.00	1.00	153.9
1O	3483	210	34	23	23	14	1.00	1.00	144.5
1P	3483	210	40	23	23	14	1.00	1.00	148.6
2	-7167	153	9	23	23	14	1.03	1.00	183.3
7	-6374	145	6	23	23	14	1.03	1.00	163.5
8	-5858	114	8	23	23	14	1.03	1.00	147.2

ASTA NUM. 449 NI 113 NF 114 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4839	-35	138	0	121	36	89.9	58.4	11.7	0.0	148.3	1	
1B	0	-4839	45	138	0	121	-39	89.9	60.1	11.7	0.0	150.1	1	
1C	0	-4839	-35	-90	0	-48	36	89.9	39.7	7.7	0.0	129.7	1	
1D	0	-4839	45	-90	0	-48	-39	89.9	41.4	7.7	0.0	131.4	1	
1E	0	325	-35	138	0	121	36	6.0	58.4	11.7	0.0	64.4	1	
1F	0	325	45	138	0	121	-39	6.0	60.1	11.7	0.0	66.2	1	
1G	0	325	-35	-90	0	-48	36	6.0	39.7	7.7	0.0	45.7	1	
1H	0	325	45	-90	0	-48	-39	6.0	41.4	7.7	0.0	47.5	1	
1I	0	-7384	-20	275	0	243	37	137.3	90.2	23.3	0.0	227.4	1	
1J	0	-7384	30	275	0	243	-39	137.3	91.9	23.3	0.0	229.1	1	
1K	0	-7384	-20	-227	0	-170	37	137.3	71.5	19.3	0.0	208.7	1	
1L	0	-7384	30	-227	0	-170	-39	137.3	73.2	19.3	0.0	210.4	1	
1M	0	2870	-20	275	0	243	37	53.3	90.2	23.3	0.0	143.5	1	
1N	0	2870	30	275	0	243	-39	53.3	91.9	23.3	0.0	145.2	1	
1O	0	2870	-20	-227	0	-170	37	53.3	71.5	19.3	0.0	124.8	1	
1P	0	2870	30	-227	0	-170	-39	53.3	73.2	19.3	0.0	126.5	1	
2	0	-7355	21	18	0	189	-2	136.7	50.2	1.6	0.0	186.9	1	
7	0	-6543	17	13	0	177	1	121.6	46.1	1.1	0.0	167.8	1	
8	0	-5988	16	20	0	145	-2	111.3	39.1	1.7	0.0	150.4	1	
1A	55	-4816	-35	138	0	43	4	89.5	13.9	11.7	0.0	103.5	1	
1B	55	-4816	45	138	0	43	-0	89.5	11.4	11.7	0.0	101.1	3	
1C	55	-4816	-35	-90	0	3	4	89.5	3.6	7.7	0.0	93.1	1	
1D	55	-4816	45	-90	0	3	-0	89.5	1.0	7.7	0.0	91.0	3	
1E	55	348	-35	138	0	43	4	6.5	13.9	11.7	0.0	24.5	3	
1F	55	348	45	138	0	43	-0	6.5	11.4	11.7	0.0	24.5	3	
1G	55	348	-35	-90	0	3	4	6.5	3.6	7.7	0.0	14.8	4	
1H	55	348	45	-90	0	3	-0	6.5	1.0	7.7	0.0	14.8	4	
1I	55	-7361	-20	275	0	90	41	136.8	53.9	23.3	0.0	190.7	1	
1J	55	-7361	30	275	0	90	-38	136.8	51.3	23.3	0.0	188.2	1	
1K	55	-7361	-20	-227	0	-44	41	136.8	41.9	19.3	0.0	178.8	1	
1L	55	-7361	30	-227	0	-44	-38	136.8	39.4	19.3	0.0	176.2	1	
1M	55	2893	-20	275	0	90	41	53.8	53.9	23.3	0.0	107.6	1	
1N	55	2893	30	275	0	90	-38	53.8	51.3	23.3	0.0	105.1	1	
1O	55	2893	-20	-227	0	-44	41	53.8	41.9	19.3	0.0	95.7	1	
1P	55	2893	30	-227	0	-44	-38	53.8	39.4	19.3	0.0	93.2	1	
2	55	-7325	21	18	0	179	9	136.2	53.2	1.6	0.0	189.4	1	
7	55	-6512	17	13	0	170	10	121.1	51.4	1.1	0.0	172.4	1	
8	55	-5958	16	20	0	134	6	110.7	39.2	1.7	0.0	149.9	1	
1A	111	-4793	-35	138	0	-34	-29	89.1	30.5	11.7	0.0	119.6	1	
1B	111	-4793	45	138	0	-34	38	89.1	37.3	11.7	0.0	126.4	1	
1C	111	-4793	-35	-90	0	54	-29	89.1	35.7	7.7	0.0	124.8	1	
1D	111	-4793	45	-90	0	54	38	89.1	42.5	7.7	0.0	131.5	1	
1E	111	371	-35	138	0	-34	-29	6.9	30.5	11.7	0.0	37.4	1	
1F	111	371	45	138	0	-34	38	6.9	37.3	11.7	0.0	44.2	1	
1G	111	371	-35	-90	0	54	-29	6.9	35.7	7.7	0.0	42.6	1	
1H	111	371	45	-90	0	54	38	6.9	42.5	7.7	0.0	49.3	1	
1I	111	-7338	-20	275	0	-62	45	136.4	49.7	23.3	0.0	186.1	1	
1J	111	-7338	30	275	0	-62	-36	136.4	42.9	23.3	0.0	179.3	1	
1K	111	-7338	-20	-227	0	82	45	136.4	54.8	19.3	0.0	191.2	1	
1L	111	-7338	30	-227	0	82	-36	136.4	48.0	19.3	0.0	184.4	1	
1M	111	2916	-20	275	0	-62	45	54.2	49.7	23.3	0.0	103.9	1	
1N	111	2916	30	275	0	-62	-36	54.2	42.9	23.3	0.0	97.1	1	
1O	111	2916	-20	-227	0	82	45	54.2	54.8	19.3	0.0	109.0	1	
1P	111	2916	30	-227	0	82	-36	54.2	48.0	19.3	0.0	102.2	1	
2	111	-7295	21	18	0	169	21	135.6	59.1	1.6	0.0	194.7	1	
7	111	-6482	17	13	0	162	20	120.5	56.6	1.1	0.0	177.1	1	
8	111	-5927	16	20	0	122	15	110.2	42.9	1.7	0.0	153.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4839	59	15	23	23	14	1.03	1.00	118.7	
1B	-4839	59	15	23	23	14	1.03	1.00	119.4	
1C	-4839	22	15	23	23	14	1.03	1.00	109.2	
1D	-4839	22	15	23	23	14	1.03	1.00	109.9	
1E	371	59	15	23	23	14	1.00	1.00	32.9	
1F	371	59	15	23	23	14	1.00	1.00	33.6	
1G	371	22	15	23	23	14	1.00	1.00	23.4	
1H	371	22	15	23	23	14	1.00	1.00	24.1	
1I	-7384	121	42	23	23	14	1.03	1.00	203.8	
1J	-7384	121	38	23	23	14	1.03	1.00	201.0	

1K	-7384	69	42	23	23	14	1.03	1.00	190.5
1L	-7384	69	38	23	23	14	1.03	1.00	187.7
1M	2916	121	42	23	23	14	1.00	1.00	116.5
1N	2916	121	38	23	23	14	1.00	1.00	113.7
1O	2916	69	42	23	23	14	1.00	1.00	103.2
1P	2916	69	38	23	23	14	1.00	1.00	100.4
2	-7355	181	12	23	23	14	1.03	1.00	196.3
7	-6543	171	12	23	23	14	1.03	1.00	178.5
8	-5988	136	8	23	23	14	1.03	1.00	155.8

ASTA NUM. 450 NI 114 NF 115 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3806	-85	57	0	34	37	70.7	36.2	4.8	0.0	106.9	1	
1B	0	-3806	112	57	0	34	-30	70.7	31.3	4.8	0.0	102.1	1	
1C	0	-3806	-85	-146	0	-29	37	70.7	34.8	12.4	0.0	105.5	1	
1D	0	-3806	112	-146	0	-29	-30	70.7	30.0	12.4	0.0	100.7	1	
1E	0	-1448	-85	57	0	34	37	26.9	36.2	4.8	0.0	63.1	1	
1F	0	-1448	112	57	0	34	-30	26.9	31.3	4.8	0.0	58.3	1	
1G	0	-1448	-85	-146	0	-29	37	26.9	34.8	12.4	0.0	61.7	1	
1H	0	-1448	112	-146	0	-29	-30	26.9	30.0	12.4	0.0	56.9	1	
1I	0	-5418	-56	227	0	79	56	100.7	62.5	19.2	0.0	163.2	1	
1J	0	-5418	83	227	0	79	-50	100.7	57.7	19.2	0.0	158.4	1	
1K	0	-5418	-56	-317	0	-74	56	100.7	61.1	26.8	0.0	161.9	1	
1L	0	-5418	83	-317	0	-74	-50	100.7	56.3	26.8	0.0	157.0	1	
1M	0	164	-56	227	0	79	56	3.1	62.5	19.2	0.0	65.6	1	
1N	0	164	83	227	0	79	-50	3.1	57.7	19.2	0.0	60.7	1	
1O	0	164	-56	-317	0	-74	56	3.1	61.1	26.8	0.0	64.2	1	
1P	0	164	83	-317	0	-74	-50	3.1	56.3	26.8	0.0	59.4	1	
2	0	-9270	50	-123	0	134	19	172.3	48.5	10.4	0.0	220.8	1	
7	0	-8168	39	-100	0	133	19	151.8	48.5	8.5	0.0	200.3	1	
8	0	-7532	40	-106	0	94	13	140.0	33.9	9.0	0.0	173.9	1	
1A	55	-3782	-85	57	0	0	-22	70.3	16.8	4.8	0.0	87.1	1	
1B	55	-3782	112	57	0	0	44	70.3	32.9	4.8	0.0	103.2	1	
1C	55	-3782	-85	-146	0	55	-22	70.3	30.8	12.4	0.0	101.1	1	
1D	55	-3782	112	-146	0	55	44	70.3	46.9	12.4	0.0	117.2	1	
1E	55	-1425	-85	57	0	0	-22	26.5	16.8	4.8	0.0	43.3	1	
1F	55	-1425	112	57	0	0	44	26.5	32.9	4.8	0.0	59.4	1	
1G	55	-1425	-85	-146	0	55	-22	26.5	30.8	12.4	0.0	57.3	1	
1H	55	-1425	112	-146	0	55	44	26.5	46.9	12.4	0.0	73.4	1	
1I	55	-5395	-56	227	0	-47	1	100.3	12.6	19.2	0.0	115.1	3	
1J	55	-5395	83	227	0	-47	21	100.3	27.8	19.2	0.0	128.1	1	
1K	55	-5395	-56	-317	0	102	1	100.3	26.7	26.8	0.0	130.5	3	
1L	55	-5395	83	-317	0	102	21	100.3	42.0	26.8	0.0	142.3	1	
1M	55	188	-56	227	0	-47	1	3.5	12.6	19.2	0.0	33.5	4	
1N	55	188	83	227	0	-47	21	3.5	27.8	19.2	0.0	33.6	4	
1O	55	188	-56	-317	0	102	1	3.5	26.7	26.8	0.0	49.4	3	
1P	55	188	83	-317	0	102	21	3.5	42.0	26.8	0.0	49.8	3	
2	55	-9240	50	-123	0	202	46	171.7	86.5	10.4	0.0	258.3	1	
7	55	-8138	39	-100	0	188	41	151.3	79.1	8.5	0.0	230.3	1	
8	55	-7502	40	-106	0	153	35	139.4	65.4	9.0	0.0	204.8	1	
1A	111	-3759	-85	57	0	-34	-81	69.9	69.5	4.8	0.0	139.4	1	
1B	111	-3759	112	57	0	-34	118	69.9	96.9	4.8	0.0	166.7	1	
1C	111	-3759	-85	-146	0	138	-81	69.9	96.5	12.4	0.0	166.3	1	
1D	111	-3759	112	-146	0	138	118	69.9	123.8	12.4	0.0	193.7	1	
1E	111	-1401	-85	57	0	-34	-81	26.0	69.5	4.8	0.0	95.6	1	
1F	111	-1401	112	57	0	-34	118	26.0	96.9	4.8	0.0	122.9	1	
1G	111	-1401	-85	-146	0	138	-81	26.0	96.5	12.4	0.0	122.5	1	
1H	111	-1401	112	-146	0	138	118	26.0	123.8	12.4	0.0	149.9	1	
1I	111	-5372	-56	227	0	-174	-55	99.8	86.0	19.2	0.0	185.9	1	
1J	111	-5372	83	227	0	-174	92	99.8	113.3	19.2	0.0	213.2	1	
1K	111	-5372	-56	-317	0	278	-55	99.8	113.0	26.8	0.0	212.8	1	
1L	111	-5372	83	-317	0	278	92	99.8	140.3	26.8	0.0	240.1	1	
1M	111	212	-56	227	0	-174	-55	3.9	86.0	19.2	0.0	89.9	1	
1N	111	212	83	227	0	-174	92	3.9	113.3	19.2	0.0	117.3	1	
1O	111	212	-56	-317	0	278	-55	3.9	113.0	26.8	0.0	116.9	1	
1P	111	212	83	-317	0	278	92	3.9	140.3	26.8	0.0	144.2	1	
2	111	-9209	50	-123	0	270	74	171.2	124.5	10.4	0.0	295.7	1	
7	111	-8107	39	-100	0	244	63	150.7	109.6	8.5	0.0	260.3	1	
8	111	-7471	40	-106	0	211	57	138.9	96.9	9.0	0.0	235.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3806	14	34	23	23	14	1.03	1.00	102.0	
1B	-3806	14	59	23	23	14	1.03	1.00	120.4	
1C	-3806	71	34	23	23	14	1.03	1.00	116.9	
1D	-3806	71	59	23	23	14	1.03	1.00	135.2	
1E	-1448	14	34	23	23	14	1.03	1.00	56.9	
1F	-1448	14	59	23	23	14	1.03	1.00	75.2	
1G	-1448	71	34	23	23	14	1.03	1.00	71.7	
1H	-1448	71	59	23	23	14	1.03	1.00	90.1	
1I	-5418	73	23	23	23	14	1.03	1.00	139.3	
1J	-5418	73	37	23	23	14	1.03	1.00	150.0	
1K	-5418	138	23	23	23	14	1.03	1.00	156.1	

1L	-5418	138	37	23	23	14	1.03	1.00	166.7
1M	212	73	23	23	23	14	1.00	1.00	39.5
1N	212	73	37	23	23	14	1.00	1.00	50.1
1O	212	138	23	23	23	14	1.00	1.00	56.2
1P	212	138	37	23	23	14	1.00	1.00	66.8
2	-9270	216	52	23	23	14	1.03	1.00	271.9
7	-8168	199	45	23	23	14	1.03	1.00	241.7
8	-7532	164	39	23	23	14	1.03	1.00	216.1

ASTA NUM. 451 NI 115 NF 116 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3896	-76	342	0	86	105	72.4	101.0	29.0	0.0	173.4	1	
1B	0	-3896	107	342	0	86	-66	72.4	71.8	29.0	0.0	144.2	1	
1C	0	-3896	-76	-406	0	3	105	72.4	79.7	34.4	0.0	152.1	1	
1D	0	-3896	107	-406	0	3	-66	72.4	50.5	34.4	0.0	122.9	1	
1E	0	-1318	-76	342	0	86	105	24.5	101.0	29.0	0.0	125.5	1	
1F	0	-1318	107	342	0	86	-66	24.5	71.8	29.0	0.0	96.3	1	
1G	0	-1318	-76	-406	0	3	105	24.5	79.7	34.4	0.0	104.2	1	
1H	0	-1318	107	-406	0	3	-66	24.5	50.5	34.4	0.0	75.0	1	
1I	0	-5826	-54	890	0	156	97	108.3	112.5	75.5	0.0	220.8	1	
1J	0	-5826	85	890	0	156	-58	108.3	83.3	75.5	0.0	191.6	1	
1K	0	-5826	-54	-954	0	-66	97	108.3	89.5	80.9	0.0	197.8	1	
1L	0	-5826	85	-954	0	-66	-58	108.3	60.2	80.9	0.0	178.0	4	
1M	0	612	-54	890	0	156	97	11.4	112.5	75.5	0.0	131.5	4	
1N	0	612	85	890	0	156	-58	11.4	83.3	75.5	0.0	131.4	4	
1O	0	612	-54	-954	0	-66	97	11.4	89.5	80.9	0.0	140.8	4	
1P	0	612	85	-954	0	-66	-58	11.4	60.2	80.9	0.0	140.7	4	
2	0	-9257	57	420	0	260	81	172.1	127.6	35.6	0.0	299.6	1	
7	0	-8129	45	308	0	239	70	151.1	114.2	26.1	0.0	265.2	1	
8	0	-7518	45	275	0	200	62	139.7	98.0	23.3	0.0	237.8	1	
1A	55	-3872	-76	342	0	307	160	72.0	198.9	29.0	0.0	270.8	1	
1B	55	-3872	107	342	0	307	-104	72.0	156.9	29.0	0.0	228.8	1	
1C	55	-3872	-76	-406	0	-182	160	72.0	166.7	34.4	0.0	238.7	1	
1D	55	-3872	107	-406	0	-182	-104	72.0	124.7	34.4	0.0	196.7	1	
1E	55	-1295	-76	342	0	307	160	24.1	198.9	29.0	0.0	222.9	1	
1F	55	-1295	107	342	0	307	-104	24.1	156.9	29.0	0.0	180.9	1	
1G	55	-1295	-76	-406	0	-182	160	24.1	166.7	34.4	0.0	190.8	1	
1H	55	-1295	107	-406	0	-182	-104	24.1	124.7	34.4	0.0	148.8	1	
1I	55	-5803	-54	890	0	682	133	107.9	275.4	75.5	0.0	383.3	1	
1J	55	-5803	85	890	0	682	-77	107.9	233.4	75.5	0.0	341.3	1	
1K	55	-5803	-54	-954	0	-557	133	107.9	243.3	80.9	0.0	351.2	1	
1L	55	-5803	85	-954	0	-557	-77	107.9	201.3	80.9	0.0	309.2	1	
1M	55	636	-54	890	0	682	133	11.8	275.4	75.5	0.0	287.3	1	
1N	55	636	85	890	0	682	-77	11.8	233.4	75.5	0.0	245.3	1	
1O	55	636	-54	-954	0	-557	133	11.8	243.3	80.9	0.0	255.1	1	
1P	55	636	85	-954	0	-557	-77	11.8	201.3	80.9	0.0	213.1	1	
2	55	-9226	57	420	0	28	112	171.5	91.3	35.6	0.0	262.8	1	
7	55	-8098	45	308	0	69	95	150.5	89.1	26.1	0.0	239.6	1	
8	55	-7488	45	275	0	48	87	139.2	77.6	23.3	0.0	216.8	1	
1A	111	-3849	-76	342	0	528	215	71.5	296.7	29.0	0.0	368.3	1	
1B	111	-3849	107	342	0	528	-142	71.5	242.0	29.0	0.0	313.5	1	
1C	111	-3849	-76	-406	0	-367	215	71.5	255.5	34.4	0.0	327.0	1	
1D	111	-3849	107	-406	0	-367	-142	71.5	200.7	34.4	0.0	272.2	1	
1E	111	-1271	-76	342	0	528	215	23.6	296.7	29.0	0.0	320.3	1	
1F	111	-1271	107	342	0	528	-142	23.6	242.0	29.0	0.0	265.6	1	
1G	111	-1271	-76	-406	0	-367	215	23.6	255.5	34.4	0.0	279.1	1	
1H	111	-1271	107	-406	0	-367	-142	23.6	200.7	34.4	0.0	224.3	1	
1I	111	-5779	-54	890	0	1209	170	107.4	438.3	75.5	0.0	545.8	1	
1J	111	-5779	85	890	0	1209	-97	107.4	383.6	75.5	0.0	491.0	1	
1K	111	-5779	-54	-954	0	-1049	170	107.4	397.1	80.9	0.0	504.5	1	
1L	111	-5779	85	-954	0	-1049	-97	107.4	342.3	80.9	0.0	449.8	1	
1M	111	659	-54	890	0	1209	170	12.3	438.3	75.5	0.0	450.6	1	
1N	111	659	85	890	0	1209	-97	12.3	383.6	75.5	0.0	395.8	1	
1O	111	659	-54	-954	0	-1049	170	12.3	397.1	80.9	0.0	409.4	1	
1P	111	659	85	-954	0	-1049	-97	12.3	342.3	80.9	0.0	354.6	1	
2	111	-9196	57	420	0	-204	144	170.9	160.2	35.6	0.0	331.1	1	
7	111	-8068	45	308	0	-101	120	150.0	116.2	26.1	0.0	266.1	1	
8	111	-7457	45	275	0	-104	112	138.6	110.8	23.3	0.0	249.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3896	351	171	23	23	14	1.03	1.00	293.3	
1B	-3896	351	112	23	23	14	1.03	1.00	248.7	
1C	-3896	219	171	23	23	14	1.03	1.00	259.3	
1D	-3896	219	112	23	23	14	1.03	1.00	214.7	
1E	-1318	351	171	23	23	14	1.03	1.00	243.8	
1F	-1318	351	112	23	23	14	1.03	1.00	199.2	
1G	-1318	219	171	23	23	14	1.03	1.00	209.8	
1H	-1318	219	112	23	23	14	1.03	1.00	165.2	
1I	-5826	788	141	23	23	14	1.03	1.00	420.1	
1J	-5826	788	81	23	23	14	1.03	1.00	375.4	
1K	-5826	656	141	23	23	14	1.03	1.00	386.1	
1L	-5826	656	81	23	23	14	1.03	1.00	341.4	

1M	659	788	141	23	23	14	1.00	1.00	320.3
1N	659	788	81	23	23	14	1.00	1.00	275.7
1O	659	656	141	23	23	14	1.00	1.00	286.3
1P	659	656	81	23	23	14	1.00	1.00	241.8
2	-9257	104	119	23	23	14	1.03	1.00	293.2
7	-8129	103	100	23	23	14	1.03	1.00	257.6
8	-7518	80	92	23	23	14	1.03	1.00	233.8

ASTA NUM. 452 NI 69 NF 70 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-9344	-19	147	0	189	22	173.7	65.1	12.5	0.0	238.8	1	
1B	0	-9344	19	147	0	189	-22	173.7	64.8	12.5	0.0	238.5	1	
1C	0	-9344	-19	-130	0	-209	22	173.7	70.4	11.0	0.0	244.0	1	
1D	0	-9344	19	-130	0	-209	-22	173.7	70.1	11.0	0.0	243.7	1	
1E	0	8324	-19	147	0	189	22	154.7	65.1	12.5	0.0	219.8	1	
1F	0	8324	19	147	0	189	-22	154.7	64.8	12.5	0.0	219.5	1	
1G	0	8324	-19	-130	0	-209	22	154.7	70.4	11.0	0.0	225.1	1	
1H	0	8324	19	-130	0	-209	-22	154.7	70.1	11.0	0.0	224.8	1	
1I	0	-14872	-15	103	0	347	17	276.4	101.7	8.8	0.0	378.1	1	
1J	0	-14872	14	103	0	347	-16	276.4	101.4	8.8	0.0	377.8	1	
1K	0	-14872	-15	-86	0	-368	17	276.4	107.0	7.3	0.0	383.4	1	
1L	0	-14872	14	-86	0	-368	-16	276.4	106.7	7.3	0.0	383.1	1	
1M	0	13852	-15	103	0	347	17	257.5	101.7	8.8	0.0	359.2	1	
1N	0	13852	14	103	0	347	-16	257.5	101.4	8.8	0.0	358.9	1	
1O	0	13852	-15	-86	0	-368	17	257.5	107.0	7.3	0.0	364.4	1	
1P	0	13852	14	-86	0	-368	-16	257.5	106.7	7.3	0.0	364.1	1	
2	0	8151	1	-176	0	-254	2	151.5	67.4	14.9	0.0	218.9	1	
7	0	7812	1	-167	0	-229	3	145.2	61.0	14.2	0.0	206.2	1	
8	0	5809	1	-122	0	-190	2	108.0	50.2	10.3	0.0	158.2	1	
1A	55	-9320	-19	147	0	148	32	173.2	62.4	12.5	0.0	235.7	1	
1B	55	-9320	19	147	0	148	-32	173.2	62.3	12.5	0.0	235.5	1	
1C	55	-9320	-19	-130	0	-178	32	173.2	70.1	11.0	0.0	243.3	1	
1D	55	-9320	19	-130	0	-178	-32	173.2	70.0	11.0	0.0	243.2	1	
1E	55	8348	-19	147	0	148	32	155.2	62.4	12.5	0.0	217.6	1	
1F	55	8348	19	147	0	148	-32	155.2	62.3	12.5	0.0	217.4	1	
1G	55	8348	-19	-130	0	-178	32	155.2	70.1	11.0	0.0	225.3	1	
1H	55	8348	19	-130	0	-178	-32	155.2	70.0	11.0	0.0	225.1	1	
1I	55	-14848	-15	103	0	302	24	276.0	96.1	8.8	0.0	372.1	1	
1J	55	-14848	14	103	0	302	-24	276.0	96.0	8.8	0.0	372.0	1	
1K	55	-14848	-15	-86	0	-332	24	276.0	103.8	7.3	0.0	379.8	1	
1L	55	-14848	14	-86	0	-332	-24	276.0	103.7	7.3	0.0	379.7	1	
1M	55	13876	-15	103	0	302	24	257.9	96.1	8.8	0.0	354.0	1	
1N	55	13876	14	103	0	302	-24	257.9	96.0	8.8	0.0	353.9	1	
1O	55	13876	-15	-86	0	-332	24	257.9	103.8	7.3	0.0	361.7	1	
1P	55	13876	14	-86	0	-332	-24	257.9	103.7	7.3	0.0	361.6	1	
2	55	8182	1	-176	0	-157	3	152.1	42.7	14.9	0.0	194.8	1	
7	55	7842	1	-167	0	-137	3	145.8	37.8	14.2	0.0	183.6	1	
8	55	5840	1	-122	0	-122	2	108.5	33.1	10.3	0.0	141.6	1	
1A	111	-9297	-19	147	0	108	43	172.8	59.7	12.5	0.0	232.5	1	
1B	111	-9297	19	147	0	108	-43	172.8	59.8	12.5	0.0	232.6	1	
1C	111	-9297	-19	-130	0	-147	43	172.8	69.8	11.0	0.0	242.6	1	
1D	111	-9297	19	-130	0	-147	-43	172.8	69.9	11.0	0.0	242.7	1	
1E	111	8371	-19	147	0	108	43	155.6	59.7	12.5	0.0	215.3	1	
1F	111	8371	19	147	0	108	-43	155.6	59.8	12.5	0.0	215.4	1	
1G	111	8371	-19	-130	0	-147	43	155.6	69.8	11.0	0.0	225.4	1	
1H	111	8371	19	-130	0	-147	-43	155.6	69.9	11.0	0.0	225.5	1	
1I	111	-14825	-15	103	0	258	32	275.6	90.5	8.8	0.0	366.1	1	
1J	111	-14825	14	103	0	258	-32	275.6	90.6	8.8	0.0	366.1	1	
1K	111	-14825	-15	-86	0	-297	32	275.6	100.6	7.3	0.0	376.2	1	
1L	111	-14825	14	-86	0	-297	-32	275.6	100.7	7.3	0.0	376.2	1	
1M	111	13899	-15	103	0	258	32	258.3	90.5	8.8	0.0	348.9	1	
1N	111	13899	14	103	0	258	-32	258.3	90.6	8.8	0.0	348.9	1	
1O	111	13899	-15	-86	0	-297	32	258.3	100.6	7.3	0.0	359.0	1	
1P	111	13899	14	-86	0	-297	-32	258.3	100.7	7.3	0.0	359.0	1	
2	111	8212	1	-176	0	-60	4	152.6	18.0	14.9	0.0	170.6	1	
7	111	7873	1	-167	0	-45	4	146.3	14.6	14.2	0.0	161.0	1	
8	111	5870	1	-122	0	-55	3	109.1	16.0	10.3	0.0	125.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-9344	156	35	23	23	14	1.03	1.00	245.1	
1B	-9344	156	34	23	23	14	1.03	1.00	245.0	
1C	-9344	184	35	23	23	14	1.03	1.00	252.3	
1D	-9344	184	34	23	23	14	1.03	1.00	252.3	
1E	8371	156	35	23	23	14	1.00	1.00	221.7	
1F	8371	156	34	23	23	14	1.00	1.00	221.6	
1G	8371	184	35	23	23	14	1.00	1.00	228.9	
1H	8371	184	34	23	23	14	1.00	1.00	228.8	
1I	-14872	311	26	23	23	14	1.03	1.00	384.7	
1J	-14872	311	26	23	23	14	1.03	1.00	384.6	
1K	-14872	339	26	23	23	14	1.03	1.00	391.9	
1L	-14872	339	26	23	23	14	1.03	1.00	391.8	
1M	13899	311	26	23	23	14	1.00	1.00	357.9	

1N	13899	311	26	23	23	14	1.00	1.00	357.8
1O	13899	339	26	23	23	14	1.00	1.00	365.1
1P	13899	339	26	23	23	14	1.00	1.00	365.0
2	8212	177	3	23	23	14	1.00	1.00	200.4
7	7873	155	4	23	23	14	1.00	1.00	189.0
8	5870	136	2	23	23	14	1.00	1.00	145.7

ASTA NUM. 453 NI 70 NF 71 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7746	-13	-1	0	96	37	144.0	52.1	0.5	0.0	196.1	1	
1B	0	-7746	12	-1	0	96	-37	144.0	52.4	0.5	0.0	196.3	1	
1C	0	-7746	-13	-166	0	-189	37	144.0	76.0	14.0	0.0	220.0	1	
1D	0	-7746	12	-166	0	-189	-37	144.0	76.3	14.0	0.0	220.3	1	
1E	0	3762	-13	-1	0	96	37	69.9	52.1	0.5	0.0	122.0	1	
1F	0	3762	12	-1	0	96	-37	69.9	52.4	0.5	0.0	122.3	1	
1G	0	3762	-13	-166	0	-189	37	69.9	76.0	14.0	0.0	145.9	1	
1H	0	3762	12	-166	0	-189	-37	69.9	76.3	14.0	0.0	146.2	1	
1I	0	-11203	-9	71	0	309	26	208.2	99.2	6.0	0.0	307.4	1	
1J	0	-11203	8	71	0	309	-27	208.2	99.5	6.0	0.0	307.7	1	
1K	0	-11203	-9	-238	0	-402	26	208.2	123.1	20.2	0.0	331.4	1	
1L	0	-11203	8	-238	0	-402	-27	208.2	123.4	20.2	0.0	331.6	1	
1M	0	7219	-9	71	0	309	26	134.2	99.2	6.0	0.0	233.4	1	
1N	0	7219	8	71	0	309	-27	134.2	99.5	6.0	0.0	233.7	1	
1O	0	7219	-9	-238	0	-402	26	134.2	123.1	20.2	0.0	257.3	1	
1P	0	7219	8	-238	0	-402	-27	134.2	123.4	20.2	0.0	257.6	1	
2	0	-5765	0	-522	0	-307	0	107.2	79.3	44.3	0.0	190.4	3	
7	0	-4529	1	-452	0	-264	1	84.2	68.9	38.4	0.0	156.5	3	
8	0	-4608	-0	-401	0	-240	0	85.7	62.1	34.0	0.0	150.3	3	
1A	55	-7723	-13	-1	0	116	41	143.6	60.6	0.5	0.0	204.2	1	
1B	55	-7723	12	-1	0	116	-42	143.6	61.2	0.5	0.0	204.8	1	
1C	55	-7723	-13	-166	0	-117	41	143.6	60.8	14.0	0.0	204.4	1	
1D	55	-7723	12	-166	0	-117	-42	143.6	61.4	14.0	0.0	205.0	1	
1E	55	3786	-13	-1	0	116	41	70.4	60.6	0.5	0.0	131.0	1	
1F	55	3786	12	-1	0	116	-42	70.4	61.2	0.5	0.0	131.6	1	
1G	55	3786	-13	-166	0	-117	41	70.4	60.8	14.0	0.0	131.2	1	
1H	55	3786	12	-166	0	-117	-42	70.4	61.4	14.0	0.0	131.8	1	
1I	55	-11180	-9	71	0	276	30	207.8	93.3	6.0	0.0	301.1	1	
1J	55	-11180	8	71	0	276	-31	207.8	93.9	6.0	0.0	301.7	1	
1K	55	-11180	-9	-238	0	-277	30	207.8	93.5	20.2	0.0	301.3	1	
1L	55	-11180	8	-238	0	-277	-31	207.8	94.1	20.2	0.0	301.9	1	
1M	55	7243	-9	71	0	276	30	134.6	93.3	6.0	0.0	227.9	1	
1N	55	7243	8	71	0	276	-31	134.6	93.9	6.0	0.0	228.5	1	
1O	55	7243	-9	-238	0	-277	30	134.6	93.5	20.2	0.0	228.1	1	
1P	55	7243	8	-238	0	-277	-31	134.6	94.1	20.2	0.0	228.7	1	
2	55	-5734	0	-522	0	-18	1	106.6	5.1	44.3	0.0	131.3	4	
7	55	-4498	1	-452	0	-14	2	83.6	4.8	38.4	0.0	106.8	4	
8	55	-4578	-0	-401	0	-19	0	85.1	5.0	34.0	0.0	103.4	4	
1A	111	-7700	-13	-1	0	136	46	143.1	69.2	0.5	0.0	212.3	1	
1B	111	-7700	12	-1	0	136	-47	143.1	70.1	0.5	0.0	213.2	1	
1C	111	-7700	-13	-166	0	-44	46	143.1	45.7	14.0	0.0	188.8	1	
1D	111	-7700	12	-166	0	-44	-47	143.1	46.6	14.0	0.0	189.7	1	
1E	111	3810	-13	-1	0	136	46	70.8	69.2	0.5	0.0	140.0	1	
1F	111	3810	12	-1	0	136	-47	70.8	70.1	0.5	0.0	140.9	1	
1G	111	3810	-13	-166	0	-44	46	70.8	45.7	14.0	0.0	116.5	1	
1H	111	3810	12	-166	0	-44	-47	70.8	46.6	14.0	0.0	117.4	1	
1I	111	-11156	-9	71	0	242	33	207.4	87.4	6.0	0.0	294.8	1	
1J	111	-11156	8	71	0	242	-35	207.4	88.3	6.0	0.0	295.7	1	
1K	111	-11156	-9	-238	0	-151	33	207.4	63.9	20.2	0.0	271.3	1	
1L	111	-11156	8	-238	0	-151	-35	207.4	64.8	20.2	0.0	272.2	1	
1M	111	7266	-9	71	0	242	33	135.1	87.4	6.0	0.0	222.5	1	
1N	111	7266	8	71	0	242	-35	135.1	88.3	6.0	0.0	223.4	1	
1O	111	7266	-9	-238	0	-151	33	135.1	63.9	20.2	0.0	199.0	1	
1P	111	7266	8	-238	0	-151	-35	135.1	64.8	20.2	0.0	199.9	1	
2	111	-5704	0	-522	0	271	1	106.0	70.3	44.3	0.0	181.6	3	
7	111	-4468	1	-452	0	236	2	83.0	62.2	38.4	0.0	149.5	3	
8	111	-4547	-0	-401	0	203	0	84.5	52.4	34.0	0.0	141.2	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7746	120	42	23	23	14	1.03	1.00	210.8	
1B	-7746	120	43	23	23	14	1.03	1.00	211.5	
1C	-7746	131	42	23	23	14	1.03	1.00	213.7	
1D	-7746	131	43	23	23	14	1.03	1.00	214.4	
1E	3810	120	42	23	23	14	1.00	1.00	133.2	
1F	3810	120	43	23	23	14	1.00	1.00	133.8	
1G	3810	131	42	23	23	14	1.00	1.00	136.1	
1H	3810	131	43	23	23	14	1.00	1.00	136.7	
1I	-11203	283	31	23	23	14	1.03	1.00	310.3	
1J	-11203	283	31	23	23	14	1.03	1.00	311.0	
1K	-11203	302	31	23	23	14	1.03	1.00	315.3	
1L	-11203	302	31	23	23	14	1.03	1.00	316.0	
1M	7266	283	31	23	23	14	1.00	1.00	230.6	
1N	7266	283	31	23	23	14	1.00	1.00	231.3	

1O	7266	302	31	23	23	14	1.00	1.00	235.6
1P	7266	302	31	23	23	14	1.00	1.00	236.2
2	-5765	123	1	23	23	14	1.03	1.00	142.5
7	-4529	106	2	23	23	14	1.03	1.00	115.2
8	-4608	96	0	23	23	14	1.03	1.00	113.2

ASTA NUM. 454 NI 71 NF 72 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7588	-11	142	0	162	48	141.0	77.5	12.0	0.0	218.5	1	
1B	0	-7588	9	142	0	162	-51	141.0	79.6	12.0	0.0	220.7	1	
1C	0	-7588	-11	-151	0	-124	48	141.0	67.6	12.8	0.0	208.6	1	
1D	0	-7588	9	-151	0	-124	-51	141.0	69.7	12.8	0.0	210.8	1	
1E	0	3490	-11	142	0	162	48	64.9	77.5	12.0	0.0	142.4	1	
1F	0	3490	9	142	0	162	-51	64.9	79.6	12.0	0.0	144.5	1	
1G	0	3490	-11	-151	0	-124	48	64.9	67.6	12.8	0.0	132.5	1	
1H	0	3490	9	-151	0	-124	-51	64.9	69.7	12.8	0.0	134.6	1	
1I	0	-10912	-9	144	0	303	31	202.8	100.8	12.2	0.0	303.6	1	
1J	0	-10912	8	144	0	303	-33	202.8	102.9	12.2	0.0	305.7	1	
1K	0	-10912	-9	-153	0	-265	31	202.8	90.9	13.0	0.0	293.7	1	
1L	0	-10912	8	-153	0	-265	-33	202.8	93.0	13.0	0.0	295.8	1	
1M	0	6814	-9	144	0	303	31	126.6	100.8	12.2	0.0	227.4	1	
1N	0	6814	8	144	0	303	-33	126.6	102.9	12.2	0.0	229.6	1	
1O	0	6814	-9	-153	0	-265	31	126.6	90.9	13.0	0.0	217.6	1	
1P	0	6814	8	-153	0	-265	-33	126.6	93.0	13.0	0.0	219.7	1	
2	0	-6557	-0	-178	0	57	-5	121.9	18.8	15.1	0.0	140.6	1	
7	0	-5211	0	-158	0	50	-3	96.9	15.4	13.4	0.0	112.2	1	
8	0	-5191	-1	-129	0	41	-4	96.5	13.9	10.9	0.0	110.4	1	
1A	55	-7564	-11	142	0	39	46	140.6	44.8	12.0	0.0	185.4	1	
1B	55	-7564	9	142	0	39	-50	140.6	47.3	12.0	0.0	187.9	1	
1C	55	-7564	-11	-151	0	4	46	140.6	35.7	12.8	0.0	176.3	1	
1D	55	-7564	9	-151	0	4	-50	140.6	38.3	12.8	0.0	178.9	1	
1E	55	3513	-11	142	0	39	46	65.3	44.8	12.0	0.0	110.1	1	
1F	55	3513	9	142	0	39	-50	65.3	47.3	12.0	0.0	112.6	1	
1G	55	3513	-11	-151	0	4	46	65.3	35.7	12.8	0.0	101.0	1	
1H	55	3513	9	-151	0	4	-50	65.3	38.3	12.8	0.0	103.6	1	
1I	55	-10888	-9	144	0	243	32	202.4	86.2	12.2	0.0	288.6	1	
1J	55	-10888	8	144	0	243	-35	202.4	88.8	12.2	0.0	291.2	1	
1K	55	-10888	-9	-153	0	-199	32	202.4	75.0	13.0	0.0	277.4	1	
1L	55	-10888	8	-153	0	-199	-35	202.4	77.6	13.0	0.0	280.0	1	
1M	55	6837	-9	144	0	243	32	127.1	86.2	12.2	0.0	213.3	1	
1N	55	6837	8	144	0	243	-35	127.1	88.8	12.2	0.0	215.9	1	
1O	55	6837	-9	-153	0	-199	32	127.1	75.0	13.0	0.0	202.1	1	
1P	55	6837	8	-153	0	-199	-35	127.1	77.6	13.0	0.0	204.7	1	
2	55	-6526	-0	-178	0	155	-6	121.3	44.2	15.1	0.0	165.5	1	
7	55	-5180	0	-158	0	137	-3	96.3	37.9	13.4	0.0	134.1	1	
8	55	-5160	-1	-129	0	113	-5	95.9	32.6	10.9	0.0	128.5	1	
1A	111	-7541	-11	142	0	-84	45	140.2	55.1	12.0	0.0	195.3	1	
1B	111	-7541	9	142	0	-84	-49	140.2	58.1	12.0	0.0	198.3	1	
1C	111	-7541	-11	-151	0	132	45	140.2	67.6	12.8	0.0	207.8	1	
1D	111	-7541	9	-151	0	132	-49	140.2	70.6	12.8	0.0	210.8	1	
1E	111	3537	-11	142	0	-84	45	65.7	55.1	12.0	0.0	120.8	1	
1F	111	3537	9	142	0	-84	-49	65.7	58.1	12.0	0.0	123.8	1	
1G	111	3537	-11	-151	0	132	45	65.7	67.6	12.8	0.0	133.4	1	
1H	111	3537	9	-151	0	132	-49	65.7	70.6	12.8	0.0	136.4	1	
1I	111	-10864	-9	144	0	182	33	201.9	71.7	12.2	0.0	273.6	1	
1J	111	-10864	8	144	0	182	-37	201.9	74.7	12.2	0.0	276.6	1	
1K	111	-10864	-9	-153	0	-133	33	201.9	59.2	13.0	0.0	261.1	1	
1L	111	-10864	8	-153	0	-133	-37	201.9	62.2	13.0	0.0	264.1	1	
1M	111	6860	-9	144	0	182	33	127.5	71.7	12.2	0.0	199.2	1	
1N	111	6860	8	144	0	182	-37	127.5	74.7	12.2	0.0	202.2	1	
1O	111	6860	-9	-153	0	-133	33	127.5	59.2	13.0	0.0	186.7	1	
1P	111	6860	8	-153	0	-133	-37	127.5	62.2	13.0	0.0	189.7	1	
2	111	-6496	-0	-178	0	254	-6	120.7	69.6	15.1	0.0	190.4	1	
7	111	-5150	0	-158	0	225	-3	95.7	60.4	13.4	0.0	156.1	1	
8	111	-5130	-1	-129	0	184	-5	95.4	51.2	10.9	0.0	146.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7588	65	47	23	23	14	1.03	1.00	197.0	
1B	-7588	65	50	23	23	14	1.03	1.00	199.5	
1C	-7588	53	47	23	23	14	1.03	1.00	193.9	
1D	-7588	53	50	23	23	14	1.03	1.00	196.4	
1E	3537	65	47	23	23	14	1.00	1.00	117.3	
1F	3537	65	50	23	23	14	1.00	1.00	119.8	
1G	3537	53	47	23	23	14	1.00	1.00	114.2	
1H	3537	53	50	23	23	14	1.00	1.00	116.7	
1I	-10912	255	32	23	23	14	1.03	1.00	298.7	
1J	-10912	255	36	23	23	14	1.03	1.00	301.4	
1K	-10912	212	32	23	23	14	1.03	1.00	287.7	
1L	-10912	212	36	23	23	14	1.03	1.00	290.4	
1M	6860	255	32	23	23	14	1.00	1.00	217.1	
1N	6860	255	36	23	23	14	1.00	1.00	219.7	
1O	6860	212	32	23	23	14	1.00	1.00	206.1	

1P	6860	212	36	23	23	14	1.00	1.00	208.8
2	-6557	175	6	23	23	14	1.03	1.00	174.9
7	-5211	155	3	23	23	14	1.03	1.00	142.2
8	-5191	127	5	23	23	14	1.03	1.00	135.7

ASTA NUM. 455 NI 72 NF 73 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6050	-22	-13	0	99	59	112.4	70.1	1.1	0.0	182.5	1	
1B	0	-6050	27	-13	0	99	-66	112.4	74.8	1.1	0.0	187.3	1	
1C	0	-6050	-22	-150	0	-104	59	112.4	71.1	12.8	0.0	183.6	1	
1D	0	-6050	27	-150	0	-104	-66	112.4	75.9	12.8	0.0	188.3	1	
1E	0	-916	-22	-13	0	99	59	17.0	70.1	1.1	0.0	87.1	1	
1F	0	-916	27	-13	0	99	-66	17.0	74.8	1.1	0.0	91.9	1	
1G	0	-916	-22	-150	0	-104	59	17.0	71.1	12.8	0.0	88.2	1	
1H	0	-916	27	-150	0	-104	-66	17.0	75.9	12.8	0.0	92.9	1	
1I	0	-7543	-12	67	0	224	37	140.2	85.5	5.7	0.0	225.7	1	
1J	0	-7543	17	67	0	224	-44	140.2	90.3	5.7	0.0	230.5	1	
1K	0	-7543	-12	-230	0	-228	37	140.2	86.6	19.5	0.0	226.8	1	
1L	0	-7543	17	-230	0	-228	-44	140.2	91.4	19.5	0.0	231.6	1	
1M	0	577	-12	67	0	224	37	10.7	85.5	5.7	0.0	96.3	1	
1N	0	577	17	67	0	224	-44	10.7	90.3	5.7	0.0	101.0	1	
1O	0	577	-12	-230	0	-228	37	10.7	86.6	19.5	0.0	97.3	1	
1P	0	577	17	-230	0	-228	-44	10.7	91.4	19.5	0.0	102.1	1	
2	0	-16830	17	-430	0	68	-14	312.8	28.2	36.5	0.0	341.1	1	
7	0	-13950	15	-359	0	67	-10	259.3	25.0	30.4	0.0	284.3	1	
8	0	-13030	13	-335	0	42	-12	242.2	19.5	28.4	0.0	261.7	1	
1A	55	-6026	-22	-13	0	107	49	112.0	64.1	1.1	0.0	176.1	1	
1B	55	-6026	27	-13	0	107	-53	112.0	67.0	1.1	0.0	179.0	1	
1C	55	-6026	-22	-150	0	-21	49	112.0	42.0	12.8	0.0	154.0	1	
1D	55	-6026	27	-150	0	-21	-53	112.0	44.8	12.8	0.0	156.8	1	
1E	55	-893	-22	-13	0	107	49	16.6	64.1	1.1	0.0	80.7	1	
1F	55	-893	27	-13	0	107	-53	16.6	67.0	1.1	0.0	83.6	1	
1G	55	-893	-22	-150	0	-21	49	16.6	42.0	12.8	0.0	58.6	1	
1H	55	-893	27	-150	0	-21	-53	16.6	44.8	12.8	0.0	61.4	1	
1I	55	-7519	-12	67	0	187	34	139.8	73.7	5.7	0.0	213.4	1	
1J	55	-7519	17	67	0	187	-38	139.8	76.5	5.7	0.0	216.3	1	
1K	55	-7519	-12	-230	0	-101	34	139.8	51.5	19.5	0.0	191.3	1	
1L	55	-7519	17	-230	0	-101	-38	139.8	54.4	19.5	0.0	194.1	1	
1M	55	600	-12	67	0	187	34	11.2	73.7	5.7	0.0	84.8	1	
1N	55	600	17	67	0	187	-38	11.2	76.5	5.7	0.0	87.7	1	
1O	55	600	-12	-230	0	-101	34	11.2	51.5	19.5	0.0	62.7	1	
1P	55	600	17	-230	0	-101	-38	11.2	54.4	19.5	0.0	65.5	1	
2	55	-16800	17	-430	0	305	-5	312.3	82.3	36.5	0.0	394.5	1	
7	55	-13920	15	-359	0	265	-2	258.7	70.0	30.4	0.0	328.7	1	
8	55	-13000	13	-335	0	227	-5	241.6	62.0	28.4	0.0	303.6	1	
1A	111	-6002	-22	-13	0	115	38	111.6	58.2	1.1	0.0	169.8	1	
1B	111	-6002	27	-13	0	115	-40	111.6	59.2	1.1	0.0	170.7	1	
1C	111	-6002	-22	-150	0	62	38	111.6	44.6	12.8	0.0	156.1	1	
1D	111	-6002	27	-150	0	62	-40	111.6	45.5	12.8	0.0	157.1	1	
1E	111	-870	-22	-13	0	115	38	16.2	58.2	1.1	0.0	74.4	1	
1F	111	-870	27	-13	0	115	-40	16.2	59.2	1.1	0.0	75.3	1	
1G	111	-870	-22	-150	0	62	38	16.2	44.6	12.8	0.0	60.7	1	
1H	111	-870	27	-150	0	62	-40	16.2	45.5	12.8	0.0	61.7	1	
1I	111	-7496	-12	67	0	150	31	139.3	61.8	5.7	0.0	201.1	1	
1J	111	-7496	17	67	0	150	-32	139.3	62.8	5.7	0.0	202.1	1	
1K	111	-7496	-12	-230	0	26	31	139.3	29.9	19.5	0.0	169.2	1	
1L	111	-7496	17	-230	0	26	-32	139.3	30.8	19.5	0.0	170.2	1	
1M	111	624	-12	67	0	150	31	11.6	61.8	5.7	0.0	73.4	1	
1N	111	624	17	67	0	150	-32	11.6	62.8	5.7	0.0	74.4	1	
1O	111	624	-12	-230	0	26	31	11.6	29.9	19.5	0.0	41.5	1	
1P	111	624	17	-230	0	26	-32	11.6	30.8	19.5	0.0	42.4	1	
2	111	-16770	17	-430	0	543	5	311.7	143.3	36.5	0.0	455.0	1	
7	111	-13890	15	-359	0	464	6	258.2	123.6	30.4	0.0	381.8	1	
8	111	-12970	13	-335	0	413	2	241.1	108.0	28.4	0.0	349.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6050	109	51	23	23	14	1.03	1.00	182.1	
1B	-6050	109	55	23	23	14	1.03	1.00	185.3	
1C	-6050	41	51	23	23	14	1.03	1.00	164.8	
1D	-6050	41	55	23	23	14	1.03	1.00	168.0	
1E	-916	109	51	23	23	14	1.03	1.00	83.7	
1F	-916	109	55	23	23	14	1.03	1.00	86.9	
1G	-916	41	51	23	23	14	1.03	1.00	66.4	
1H	-916	41	55	23	23	14	1.03	1.00	69.6	
1I	-7543	194	35	23	23	14	1.03	1.00	220.6	
1J	-7543	194	39	23	23	14	1.03	1.00	223.9	
1K	-7543	126	35	23	23	14	1.03	1.00	203.1	
1L	-7543	126	39	23	23	14	1.03	1.00	206.3	
1M	624	194	35	23	23	14	1.00	1.00	87.6	
1N	624	194	39	23	23	14	1.00	1.00	90.9	
1O	624	126	35	23	23	14	1.00	1.00	70.1	
1P	624	126	39	23	23	14	1.00	1.00	73.4	

2	-16830	353	7	23	23	14	1.03	1.00	418.5
7	-13950	305	4	23	23	14	1.03	1.00	348.9
8	-13030	265	6	23	23	14	1.03	1.00	322.2

ASTA NUM. 456 NI 73 NF 74 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5894	-26	108	0	128	54	109.5	73.0	9.1	0.0	182.6	1	
1B	0	-5894	31	108	0	128	-56	109.5	75.2	9.1	0.0	184.8	1	
1C	0	-5894	-26	-125	0	-4	54	109.5	41.2	10.6	0.0	150.7	1	
1D	0	-5894	31	-125	0	-4	-56	109.5	43.4	10.6	0.0	152.9	1	
1E	0	-1186	-26	108	0	128	54	22.1	73.0	9.1	0.0	95.1	1	
1F	0	-1186	31	108	0	128	-56	22.1	75.2	9.1	0.0	97.3	1	
1G	0	-1186	-26	-125	0	-4	54	22.1	41.2	10.6	0.0	63.3	1	
1H	0	-1186	31	-125	0	-4	-56	22.1	43.4	10.6	0.0	65.5	1	
1I	0	-7263	-14	132	0	204	40	135.0	82.2	11.2	0.0	217.2	1	
1J	0	-7263	19	132	0	204	-43	135.0	84.4	11.2	0.0	219.4	1	
1K	0	-7263	-14	-150	0	-80	40	135.0	50.4	12.7	0.0	185.4	1	
1L	0	-7263	19	-150	0	-80	-43	135.0	52.6	12.7	0.0	187.6	1	
1M	0	183	-14	132	0	204	40	3.4	82.2	11.2	0.0	85.6	1	
1N	0	183	19	132	0	204	-43	3.4	84.4	11.2	0.0	87.8	1	
1O	0	183	-14	-150	0	-80	40	3.4	50.4	12.7	0.0	53.8	1	
1P	0	183	19	-150	0	-80	-43	3.4	52.6	12.7	0.0	56.0	1	
2	0	-17390	19	-94	0	388	0	323.2	99.8	8.0	0.0	423.1	1	
7	0	-14400	16	-74	0	336	2	267.7	88.0	6.3	0.0	355.7	1	
8	0	-13450	14	-72	0	292	-1	250.0	76.1	6.1	0.0	326.1	1	
1A	55	-5870	-26	108	0	65	47	109.1	51.8	9.1	0.0	160.9	1	
1B	55	-5870	31	108	0	65	-47	109.1	52.0	9.1	0.0	161.1	1	
1C	55	-5870	-26	-125	0	68	47	109.1	52.6	10.6	0.0	161.7	1	
1D	55	-5870	31	-125	0	68	-47	109.1	52.8	10.6	0.0	161.9	1	
1E	55	-1163	-26	108	0	65	47	21.6	51.8	9.1	0.0	73.4	1	
1F	55	-1163	31	108	0	65	-47	21.6	52.0	9.1	0.0	73.6	1	
1G	55	-1163	-26	-125	0	68	47	21.6	52.6	10.6	0.0	74.2	1	
1H	55	-1163	31	-125	0	68	-47	21.6	52.8	10.6	0.0	74.4	1	
1I	55	-7239	-14	132	0	123	39	134.6	61.1	11.2	0.0	195.6	1	
1J	55	-7239	19	132	0	123	-40	134.6	61.3	11.2	0.0	195.9	1	
1K	55	-7239	-14	-150	0	10	39	134.6	32.1	12.7	0.0	166.6	1	
1L	55	-7239	19	-150	0	10	-40	134.6	32.3	12.7	0.0	166.8	1	
1M	55	206	-14	132	0	123	39	3.8	61.1	11.2	0.0	64.9	1	
1N	55	206	19	132	0	123	-40	3.8	61.3	11.2	0.0	65.1	1	
1O	55	206	-14	-150	0	10	39	3.8	32.1	12.7	0.0	35.9	1	
1P	55	206	19	-150	0	10	-40	3.8	32.3	12.7	0.0	36.1	1	
2	55	-17360	19	-94	0	440	10	322.7	121.0	8.0	0.0	443.7	1	
7	55	-14370	16	-74	0	377	11	267.1	105.1	6.3	0.0	372.2	1	
8	55	-13420	14	-72	0	332	6	249.4	90.2	6.1	0.0	339.7	1	
1A	111	-5846	-26	108	0	2	40	108.7	30.6	9.1	0.0	139.2	1	
1B	111	-5846	31	108	0	2	-38	108.7	28.8	9.1	0.0	137.4	1	
1C	111	-5846	-26	-125	0	141	40	108.7	66.2	10.6	0.0	174.9	1	
1D	111	-5846	31	-125	0	141	-38	108.7	64.4	10.6	0.0	173.1	1	
1E	111	-1140	-26	108	0	2	40	21.2	30.6	9.1	0.0	51.7	1	
1F	111	-1140	31	108	0	2	-38	21.2	28.8	9.1	0.0	49.9	1	
1G	111	-1140	-26	-125	0	141	40	21.2	66.2	10.6	0.0	87.4	1	
1H	111	-1140	31	-125	0	141	-38	21.2	64.4	10.6	0.0	85.6	1	
1I	111	-7216	-14	132	0	42	39	134.1	40.0	11.2	0.0	174.1	1	
1J	111	-7216	19	132	0	42	-37	134.1	38.2	11.2	0.0	172.3	1	
1K	111	-7216	-14	-150	0	101	39	134.1	55.1	12.7	0.0	189.2	1	
1L	111	-7216	19	-150	0	101	-37	134.1	53.3	12.7	0.0	187.5	1	
1M	111	230	-14	132	0	42	39	4.3	40.0	11.2	0.0	44.3	1	
1N	111	230	19	132	0	42	-37	4.3	38.2	11.2	0.0	42.5	1	
1O	111	230	-14	-150	0	101	39	4.3	55.1	12.7	0.0	59.4	1	
1P	111	230	19	-150	0	101	-37	4.3	53.3	12.7	0.0	57.6	1	
2	111	-17330	19	-94	0	492	21	322.1	142.2	8.0	0.0	464.3	1	
7	111	-14340	16	-74	0	418	20	266.5	122.3	6.3	0.0	388.8	1	
8	111	-13390	14	-72	0	372	14	248.9	106.2	6.1	0.0	355.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5894	78	48	23	23	14	1.03	1.00	169.0	
1B	-5894	78	49	23	23	14	1.03	1.00	169.6	
1C	-5894	83	48	23	23	14	1.03	1.00	170.3	
1D	-5894	83	49	23	23	14	1.03	1.00	170.9	
1E	-1186	78	48	23	23	14	1.03	1.00	78.8	
1F	-1186	78	49	23	23	14	1.03	1.00	79.4	
1G	-1186	83	48	23	23	14	1.03	1.00	80.1	
1H	-1186	83	49	23	23	14	1.03	1.00	80.7	
1I	-7263	139	39	23	23	14	1.03	1.00	204.5	
1J	-7263	139	40	23	23	14	1.03	1.00	205.1	
1K	-7263	40	39	23	23	14	1.03	1.00	179.0	
1L	-7263	40	40	23	23	14	1.03	1.00	179.6	
1M	230	139	39	23	23	14	1.00	1.00	69.6	
1N	230	139	40	23	23	14	1.00	1.00	70.2	
1O	230	40	39	23	23	14	1.00	1.00	44.1	
1P	230	40	40	23	23	14	1.00	1.00	44.7	
2	-17390	451	12	23	23	14	1.03	1.00	458.6	

7	-14400	385	13	23	23	14	1.03	1.00	384.6
8	-13450	340	8	23	23	14	1.03	1.00	351.1

ASTA NUM. 457 NI 74 NF 75 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5495	-51	-27	0	101	69	102.1	77.8	2.3	0.0	180.0	1	
1B	0	-5495	67	-27	0	101	-68	102.1	76.6	2.5	0.0	178.7	1	
1C	0	-5495	-51	-159	0	-9	69	102.1	54.3	13.5	0.0	156.4	1	
1D	0	-5495	67	-159	0	-9	-68	102.1	53.0	13.5	0.0	155.2	1	
1E	0	-4313	-51	-27	0	101	69	80.2	77.8	2.3	0.0	158.0	1	
1F	0	-4313	67	-27	0	101	-68	80.2	76.6	2.5	0.0	156.8	1	
1G	0	-4313	-51	-159	0	-9	69	80.2	54.3	13.5	0.0	134.4	1	
1H	0	-4313	67	-159	0	-9	-68	80.2	53.0	13.5	0.0	133.2	1	
1I	0	-5750	-39	62	0	133	61	106.9	79.9	5.2	0.0	186.8	1	
1J	0	-5750	55	62	0	133	-59	106.9	78.7	5.2	0.0	185.6	1	
1K	0	-5750	-39	-248	0	-42	61	106.9	56.4	21.1	0.0	163.2	1	
1L	0	-5750	55	-248	0	-42	-59	106.9	55.1	21.1	0.0	162.0	1	
1M	0	-4058	-39	62	0	133	61	75.4	79.9	5.2	0.0	155.4	1	
1N	0	-4058	55	62	0	133	-59	75.4	78.7	5.2	0.0	154.1	1	
1O	0	-4058	-39	-248	0	-42	61	75.4	56.4	21.1	0.0	131.8	1	
1P	0	-4058	55	-248	0	-42	-59	75.4	55.1	21.1	0.0	130.6	1	
2	0	-24130	50	-395	0	367	21	448.5	110.0	33.5	0.0	558.5	1	
7	0	-19680	40	-308	0	320	21	365.8	97.9	26.1	0.0	463.7	1	
8	0	-18800	38	-316	0	273	13	349.4	80.3	26.8	0.0	429.8	1	
1A	55	-5471	-51	-27	0	89	56	101.7	64.6	2.3	0.0	166.3	1	
1B	55	-5471	67	-27	0	89	-45	101.7	56.6	2.5	0.0	158.3	1	
1C	55	-5471	-51	-159	0	106	56	101.7	69.1	13.5	0.0	170.8	1	
1D	55	-5471	67	-159	0	106	-45	101.7	61.0	13.5	0.0	162.7	1	
1E	55	-4290	-51	-27	0	89	56	79.7	64.6	2.3	0.0	144.4	1	
1F	55	-4290	67	-27	0	89	-45	79.7	56.6	2.5	0.0	136.4	1	
1G	55	-4290	-51	-159	0	106	56	79.7	69.1	13.5	0.0	148.8	1	
1H	55	-4290	67	-159	0	106	-45	79.7	61.0	13.5	0.0	140.8	1	
1I	55	-5726	-39	62	0	91	54	106.4	64.0	5.2	0.0	170.4	1	
1J	55	-5726	55	62	0	91	-44	106.4	56.0	5.2	0.0	162.4	1	
1K	55	-5726	-39	-248	0	104	54	106.4	67.5	21.1	0.0	173.9	1	
1L	55	-5726	55	-248	0	104	-44	106.4	59.4	21.1	0.0	165.9	1	
1M	55	-4035	-39	62	0	91	54	75.0	64.0	5.2	0.0	139.0	1	
1N	55	-4035	55	62	0	91	-44	75.0	56.0	5.2	0.0	131.0	1	
1O	55	-4035	-39	-248	0	104	54	75.0	67.5	21.1	0.0	142.5	1	
1P	55	-4035	55	-248	0	104	-44	75.0	59.4	21.1	0.0	134.4	1	
2	55	-24100	50	-395	0	586	48	448.0	187.0	33.5	0.0	634.9	1	
7	55	-19650	40	-308	0	490	43	365.2	158.5	26.1	0.0	523.7	1	
8	55	-18765	38	-316	0	448	34	348.8	140.9	26.8	0.0	489.7	1	
1A	111	-5448	-51	-27	0	77	42	101.3	51.4	2.3	0.0	152.7	1	
1B	111	-5448	67	-27	0	77	-23	101.3	36.6	2.5	0.0	137.9	1	
1C	111	-5448	-51	-159	0	221	42	101.3	88.7	13.5	0.0	190.0	1	
1D	111	-5448	67	-159	0	221	-23	101.3	73.9	13.5	0.0	175.2	1	
1E	111	-4266	-51	-27	0	77	42	79.3	51.4	2.3	0.0	130.7	1	
1F	111	-4266	67	-27	0	77	-23	79.3	36.6	2.5	0.0	115.9	1	
1G	111	-4266	-51	-159	0	221	42	79.3	88.7	13.5	0.0	168.0	1	
1H	111	-4266	67	-159	0	221	-23	79.3	73.9	13.5	0.0	153.2	1	
1I	111	-5703	-39	62	0	48	48	106.0	48.1	5.2	0.0	154.1	1	
1J	111	-5703	55	62	0	48	-28	106.0	33.3	5.2	0.0	139.3	1	
1K	111	-5703	-39	-248	0	250	48	106.0	100.1	21.1	0.0	206.1	1	
1L	111	-5703	55	-248	0	250	-28	106.0	85.3	21.1	0.0	191.3	1	
1M	111	-4011	-39	62	0	48	48	74.6	48.1	5.2	0.0	122.6	1	
1N	111	-4011	55	62	0	48	-28	74.6	33.3	5.2	0.0	107.8	1	
1O	111	-4011	-39	-248	0	250	48	74.6	100.1	21.1	0.0	174.6	1	
1P	111	-4011	55	-248	0	250	-28	74.6	85.3	21.1	0.0	159.8	1	
2	111	-24070	50	-395	0	804	76	447.4	264.0	33.5	0.0	711.4	1	
7	111	-19620	40	-308	0	660	66	364.7	219.0	26.1	0.0	583.7	1	
8	111	-18730	38	-316	0	622	55	348.1	201.5	26.8	0.0	549.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5495	91	59	23	23	14	1.03	1.00	172.6	
1B	-5495	91	50	23	23	14	1.03	1.00	165.9	
1C	-5495	129	59	23	23	14	1.03	1.00	182.4	
1D	-5495	129	50	23	23	14	1.03	1.00	175.7	
1E	-4313	91	59	23	23	14	1.03	1.00	150.0	
1F	-4313	91	50	23	23	14	1.03	1.00	143.3	
1G	-4313	129	59	23	23	14	1.03	1.00	159.7	
1H	-4313	129	50	23	23	14	1.03	1.00	153.0	
1I	-5750	99	56	23	23	14	1.03	1.00	177.4	
1J	-5750	99	47	23	23	14	1.03	1.00	170.7	
1K	-5750	133	56	23	23	14	1.03	1.00	186.2	
1L	-5750	133	47	23	23	14	1.03	1.00	179.5	
1M	-4058	99	56	23	23	14	1.03	1.00	145.0	
1N	-4058	99	47	23	23	14	1.03	1.00	138.3	
1O	-4058	133	56	23	23	14	1.03	1.00	153.8	
1P	-4058	133	47	23	23	14	1.03	1.00	147.1	
2	-24130	629	54	23	23	14	1.03	1.00	665.5	
7	-19680	524	48	23	23	14	1.03	1.00	548.1	

8	-18800	483	39	23	23	14	1.03	1.00	513.6	

ASTA NUM. 458 NI 75 NF 76 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5699	-44	80	0	155	60	105.9	84.6	6.8	0.0	190.6	1	
1B	0	-5699	62	80	0	155	-39	105.9	68.7	6.8	0.0	174.6	1	
1C	0	-5699	-44	-264	0	103	60	105.9	71.3	22.4	0.0	177.2	1	
1D	0	-5699	62	-264	0	103	-39	105.9	55.3	22.4	0.0	161.2	1	
1E	0	-4171	-44	80	0	155	60	77.5	84.6	6.8	0.0	162.2	1	
1F	0	-4171	62	80	0	155	-39	77.5	68.7	6.8	0.0	146.2	1	
1G	0	-4171	-44	-264	0	103	60	77.5	71.3	22.4	0.0	148.8	1	
1H	0	-4171	62	-264	0	103	-39	77.5	55.3	22.4	0.0	132.8	1	
1I	0	-6056	-37	154	0	160	64	112.6	88.7	13.1	0.0	201.3	1	
1J	0	-6056	55	154	0	160	-42	112.6	72.7	13.1	0.0	185.3	1	
1K	0	-6056	-37	-337	0	98	64	112.6	72.9	28.6	0.0	185.4	1	
1L	0	-6056	55	-337	0	98	-42	112.6	56.9	28.6	0.0	169.5	1	
1M	0	-3814	-37	154	0	160	64	70.9	88.7	13.1	0.0	159.6	1	
1N	0	-3814	55	154	0	160	-42	70.9	72.7	13.1	0.0	143.6	1	
1O	0	-3814	-37	-337	0	98	64	70.9	72.9	28.6	0.0	143.8	1	
1P	0	-3814	55	-337	0	98	-42	70.9	56.9	28.6	0.0	127.8	1	
2	0	-24350	57	-300	0	733	85	452.6	252.3	25.4	0.0	704.9	1	
7	0	-19810	46	-228	0	611	74	368.2	212.7	19.3	0.0	580.9	1	
8	0	-18970	43	-249	0	563	61	352.6	190.9	21.1	0.0	543.5	1	
1A	55	-5676	-44	80	0	300	75	105.5	133.5	6.8	0.0	239.0	1	
1B	55	-5676	62	80	0	300	-44	105.5	110.0	6.8	0.0	215.5	1	
1C	55	-5676	-44	-264	0	59	75	105.5	71.4	22.4	0.0	176.9	1	
1D	55	-5676	62	-264	0	59	-44	105.5	47.9	22.4	0.0	153.4	1	
1E	55	-4148	-44	80	0	300	75	77.1	133.5	6.8	0.0	210.6	1	
1F	55	-4148	62	80	0	300	-44	77.1	110.0	6.8	0.0	187.1	1	
1G	55	-4148	-44	-264	0	59	75	77.1	71.4	22.4	0.0	148.5	1	
1H	55	-4148	62	-264	0	59	-44	77.1	47.9	22.4	0.0	125.0	1	
1I	55	-6033	-37	154	0	345	76	112.1	145.5	13.1	0.0	257.6	1	
1J	55	-6033	55	154	0	345	-44	112.1	122.0	13.1	0.0	234.1	1	
1K	55	-6033	-37	-337	0	14	76	112.1	60.2	28.6	0.0	172.3	1	
1L	55	-6033	55	-337	0	14	-44	112.1	36.7	28.6	0.0	148.8	1	
1M	55	-3791	-37	154	0	345	76	70.5	145.5	13.1	0.0	215.9	1	
1N	55	-3791	55	154	0	345	-44	70.5	122.0	13.1	0.0	192.4	1	
1O	55	-3791	-37	-337	0	14	76	70.5	60.2	28.6	0.0	130.7	1	
1P	55	-3791	55	-337	0	14	-44	70.5	36.7	28.6	0.0	107.2	1	
2	55	-24320	57	-300	0	899	117	452.0	318.6	25.4	0.0	770.6	1	
7	55	-19780	46	-228	0	737	100	367.7	264.2	19.3	0.0	631.9	1	
8	55	-18940	43	-249	0	701	85	352.0	244.0	21.1	0.0	596.1	1	
1A	111	-5653	-44	80	0	445	90	105.1	182.3	6.8	0.0	287.4	1	
1B	111	-5653	62	80	0	445	-49	105.1	151.3	6.8	0.0	256.4	1	
1C	111	-5653	-44	-264	0	15	90	105.1	71.6	22.4	0.0	176.7	1	
1D	111	-5653	62	-264	0	15	-49	105.1	40.6	22.4	0.0	145.6	1	
1E	111	-4125	-44	80	0	445	90	76.7	182.3	6.8	0.0	259.0	1	
1F	111	-4125	62	80	0	445	-49	76.7	151.3	6.8	0.0	228.0	1	
1G	111	-4125	-44	-264	0	15	90	76.7	71.6	22.4	0.0	148.3	1	
1H	111	-4125	62	-264	0	15	-49	76.7	40.6	22.4	0.0	117.3	1	
1I	111	-6010	-37	154	0	531	88	111.7	202.3	13.1	0.0	314.0	1	
1J	111	-6010	55	154	0	531	-46	111.7	171.2	13.1	0.0	282.9	1	
1K	111	-6010	-37	-337	0	-70	88	111.7	83.8	28.6	0.0	195.5	1	
1L	111	-6010	55	-337	0	-70	-46	111.7	52.7	28.6	0.0	164.4	1	
1M	111	-3768	-37	154	0	531	88	70.0	202.3	13.1	0.0	272.3	1	
1N	111	-3768	55	154	0	531	-46	70.0	171.2	13.1	0.0	241.3	1	
1O	111	-3768	-37	-337	0	-70	88	70.0	83.8	28.6	0.0	153.8	1	
1P	111	-3768	55	-337	0	-70	-46	70.0	52.7	28.6	0.0	122.7	1	
2	111	-24290	57	-300	0	1065	148	451.5	384.8	25.4	0.0	836.3	1	
7	111	-19750	46	-228	0	863	125	367.1	315.7	19.3	0.0	682.8	1	
8	111	-18910	43	-249	0	839	109	351.5	297.2	21.1	0.0	648.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5699	329	78	23	23	14	1.03	1.00	252.6	
1B	-5699	329	45	23	23	14	1.03	1.00	227.5	
1C	-5699	68	78	23	23	14	1.03	1.00	185.3	
1D	-5699	68	45	23	23	14	1.03	1.00	160.2	
1E	-4171	329	78	23	23	14	1.03	1.00	223.3	
1F	-4171	329	45	23	23	14	1.03	1.00	198.2	
1G	-4171	68	78	23	23	14	1.03	1.00	156.0	
1H	-4171	68	45	23	23	14	1.03	1.00	130.9	
1I	-6056	382	78	23	23	14	1.03	1.00	273.1	
1J	-6056	382	45	23	23	14	1.03	1.00	248.0	
1K	-6056	39	78	23	23	14	1.03	1.00	184.7	
1L	-6056	39	45	23	23	14	1.03	1.00	159.6	
1M	-3814	382	78	23	23	14	1.03	1.00	230.0	
1N	-3814	382	45	23	23	14	1.03	1.00	205.0	
1O	-3814	39	78	23	23	14	1.03	1.00	141.7	
1P	-3814	39	45	23	23	14	1.03	1.00	116.6	
2	-24350	932	123	23	23	14	1.03	1.00	800.1	
7	-19810	762	105	23	23	14	1.03	1.00	655.2	
8	-18970	729	90	23	23	14	1.03	1.00	619.1	

ASTA NUM. 459 NI 29 NF 30 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6648	-10	176	0	111	15	123.6	40.0	14.9	0.0	163.5	1	
1B	0	-6648	15	176	0	111	-15	123.6	39.4	14.9	0.0	162.9	1	
1C	0	-6648	-10	-170	0	-129	15	123.6	44.6	14.4	0.0	168.2	1	
1D	0	-6648	15	-170	0	-129	-15	123.6	44.0	14.4	0.0	167.6	1	
1E	0	6089	-10	176	0	111	15	113.2	40.0	14.9	0.0	153.1	1	
1F	0	6089	15	176	0	111	-15	113.2	39.4	14.9	0.0	152.5	1	
1G	0	6089	-10	-170	0	-129	15	113.2	44.6	14.4	0.0	157.8	1	
1H	0	6089	15	-170	0	-129	-15	113.2	44.0	14.4	0.0	157.2	1	
1I	0	-8281	-5	105	0	173	8	153.9	50.8	8.9	0.0	204.7	1	
1J	0	-8281	10	105	0	173	-7	153.9	50.2	8.9	0.0	204.1	1	
1K	0	-8281	-5	-99	0	-191	8	153.9	55.4	8.4	0.0	209.4	1	
1L	0	-8281	10	-99	0	-191	-7	153.9	54.8	8.4	0.0	208.8	1	
1M	0	7722	-5	105	0	173	8	143.5	50.8	8.9	0.0	194.3	1	
1N	0	7722	10	105	0	173	-7	143.5	50.2	8.9	0.0	193.7	1	
1O	0	7722	-5	-99	0	-191	8	143.5	55.4	8.4	0.0	199.0	1	
1P	0	7722	10	-99	0	-191	-7	143.5	54.8	8.4	0.0	198.4	1	
2	0	6913	14	-165	0	-200	1	128.5	52.0	14.0	0.0	180.5	1	
7	0	6237	13	-152	0	-172	1	115.9	45.1	12.8	0.0	161.0	1	
8	0	5147	9	-116	0	-155	-0	95.7	40.1	9.8	0.0	135.8	1	
1A	55	-6625	-10	176	0	-18	23	123.1	21.7	14.9	0.0	144.8	1	
1B	55	-6625	15	176	0	-18	-19	123.1	19.1	14.9	0.0	142.2	1	
1C	55	-6625	-10	-170	0	-3	23	123.1	17.7	14.4	0.0	140.9	1	
1D	55	-6625	15	-170	0	-3	-19	123.1	15.1	14.4	0.0	138.3	1	
1E	55	6113	-10	176	0	-18	23	113.6	21.7	14.9	0.0	135.3	1	
1F	55	6113	15	176	0	-18	-19	113.6	19.1	14.9	0.0	132.7	1	
1G	55	6113	-10	-170	0	-3	23	113.6	17.7	14.4	0.0	131.3	1	
1H	55	6113	15	-170	0	-3	-19	113.6	15.1	14.4	0.0	128.7	1	
1I	55	-8258	-5	105	0	146	11	153.5	45.8	8.9	0.0	199.3	1	
1J	55	-8258	10	105	0	146	-7	153.5	43.2	8.9	0.0	196.7	1	
1K	55	-8258	-5	-99	0	-168	11	153.5	51.3	8.4	0.0	204.8	1	
1L	55	-8258	10	-99	0	-168	-7	153.5	48.7	8.4	0.0	202.2	1	
1M	55	7745	-5	105	0	146	11	144.0	45.8	8.9	0.0	189.8	1	
1N	55	7745	10	105	0	146	-7	144.0	43.2	8.9	0.0	187.2	1	
1O	55	7745	-5	-99	0	-168	11	144.0	51.3	8.4	0.0	195.3	1	
1P	55	7745	10	-99	0	-168	-7	144.0	48.7	8.4	0.0	192.7	1	
2	55	6944	14	-165	0	-109	8	129.1	34.3	14.0	0.0	163.3	1	
7	55	6267	13	-152	0	-89	8	116.5	28.9	12.8	0.0	145.4	1	
8	55	5178	9	-116	0	-91	5	96.2	26.9	9.8	0.0	123.2	1	
1A	111	-6602	-10	176	0	-147	30	122.7	60.3	14.9	0.0	183.0	1	
1B	111	-6602	15	176	0	-147	-24	122.7	55.7	14.9	0.0	178.4	1	
1C	111	-6602	-10	-170	0	123	30	122.7	54.0	14.4	0.0	176.7	1	
1D	111	-6602	15	-170	0	123	-24	122.7	49.4	14.4	0.0	172.1	1	
1E	111	6136	-10	176	0	-147	30	114.1	60.3	14.9	0.0	174.4	1	
1F	111	6136	15	176	0	-147	-24	114.1	55.7	14.9	0.0	169.8	1	
1G	111	6136	-10	-170	0	123	30	114.1	54.0	14.4	0.0	168.1	1	
1H	111	6136	15	-170	0	123	-24	114.1	49.4	14.4	0.0	163.5	1	
1I	111	-8234	-5	105	0	119	14	153.1	40.9	8.9	0.0	193.9	1	
1J	111	-8234	10	105	0	119	-8	153.1	36.3	8.9	0.0	189.3	1	
1K	111	-8234	-5	-99	0	-144	14	153.1	47.2	8.4	0.0	200.2	1	
1L	111	-8234	10	-99	0	-144	-8	153.1	42.6	8.4	0.0	195.6	1	
1M	111	7768	-5	105	0	119	14	144.4	40.9	8.9	0.0	185.3	1	
1N	111	7768	10	105	0	119	-8	144.4	36.3	8.9	0.0	180.7	1	
1O	111	7768	-5	-99	0	-144	14	144.4	47.2	8.4	0.0	191.6	1	
1P	111	7768	10	-99	0	-144	-8	144.4	42.6	8.4	0.0	187.0	1	
2	111	6974	14	-165	0	-18	16	129.6	16.5	14.0	0.0	146.2	1	
7	111	6297	13	-152	0	-5	15	117.0	12.6	12.8	0.0	129.7	1	
8	111	5208	9	-116	0	-26	10	96.8	14.3	9.8	0.0	111.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6648	59	24	23	23	14	1.03	1.00	160.6	
1B	-6648	59	20	23	23	14	1.03	1.00	157.6	
1C	-6648	52	24	23	23	14	1.03	1.00	158.7	
1D	-6648	52	20	23	23	14	1.03	1.00	155.6	
1E	6136	59	24	23	23	14	1.00	1.00	147.3	
1F	6136	59	20	23	23	14	1.00	1.00	144.3	
1G	6136	52	24	23	23	14	1.00	1.00	145.3	
1H	6136	52	20	23	23	14	1.00	1.00	142.4	
1I	-8281	152	11	23	23	14	1.03	1.00	206.3	
1J	-8281	152	7	23	23	14	1.03	1.00	203.3	
1K	-8281	172	11	23	23	14	1.03	1.00	211.6	
1L	-8281	172	7	23	23	14	1.03	1.00	208.6	
1M	7768	152	11	23	23	14	1.00	1.00	192.0	
1N	7768	152	7	23	23	14	1.00	1.00	189.0	
1O	7768	172	11	23	23	14	1.00	1.00	197.3	
1P	7768	172	7	23	23	14	1.00	1.00	194.3	
2	6974	127	10	23	23	14	1.00	1.00	169.7	
7	6297	105	10	23	23	14	1.00	1.00	151.3	
8	5208	103	6	23	23	14	1.00	1.00	127.8	

ASTA NUM. 460 NI 30 NF 31 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-5913	-7	41	0	86	32	109.9	45.7	3.4	0.0	155.6	1	
1B	0	-5913	14	41	0	86	-28	109.9	43.4	3.4	0.0	153.3	1	
1C	0	-5913	-7	-159	0	-151	32	109.9	62.6	13.5	0.0	172.5	1	
1D	0	-5913	14	-159	0	-151	-28	109.9	60.2	13.5	0.0	170.2	1	
1E	0	3131	-7	41	0	86	32	58.2	45.7	3.4	0.0	103.9	1	
1F	0	3131	14	41	0	86	-28	58.2	43.4	3.4	0.0	101.6	1	
1G	0	3131	-7	-159	0	-151	32	58.2	62.6	13.5	0.0	120.8	1	
1H	0	3131	14	-159	0	-151	-28	58.2	60.2	13.5	0.0	118.4	1	
1I	0	-6802	-11	12	0	131	16	126.4	45.8	1.0	0.0	172.3	1	
1J	0	-6802	17	12	0	131	-13	126.4	43.5	1.0	0.0	169.9	1	
1K	0	-6802	-11	-130	0	-197	16	126.4	62.7	11.0	0.0	189.2	1	
1L	0	-6802	17	-130	0	-197	-13	126.4	60.4	11.0	0.0	186.8	1	
1M	0	4020	-11	12	0	131	16	74.7	45.8	1.0	0.0	120.6	1	
1N	0	4020	17	12	0	131	-13	74.7	43.5	1.0	0.0	118.2	1	
1O	0	4020	-11	-130	0	-197	16	74.7	62.7	11.0	0.0	137.4	1	
1P	0	4020	17	-130	0	-197	-13	74.7	60.4	11.0	0.0	135.1	1	
2	0	-3607	20	-366	0	-208	7	67.0	58.3	31.0	0.0	125.4	1	
7	0	-2962	18	-313	0	-171	6	55.1	48.8	26.5	0.0	103.9	1	
8	0	-2823	14	-285	0	-170	4	52.5	46.6	24.2	0.0	99.1	1	
1A	55	-5889	-7	41	0	85	37	109.5	49.7	3.4	0.0	159.2	1	
1B	55	-5889	14	41	0	85	-31	109.5	44.6	3.4	0.0	154.1	1	
1C	55	-5889	-7	-159	0	-85	37	109.5	49.8	13.5	0.0	159.2	1	
1D	55	-5889	14	-159	0	-85	-31	109.5	44.7	13.5	0.0	154.1	1	
1E	55	3154	-7	41	0	85	37	58.6	49.7	3.4	0.0	108.4	1	
1F	55	3154	14	41	0	85	-31	58.6	44.6	3.4	0.0	103.3	1	
1G	55	3154	-7	-159	0	-85	37	58.6	49.8	13.5	0.0	108.4	1	
1H	55	3154	14	-159	0	-85	-31	58.6	44.7	13.5	0.0	103.3	1	
1I	55	-6779	-11	12	0	131	20	126.0	48.7	1.0	0.0	174.7	1	
1J	55	-6779	17	12	0	131	-13	126.0	43.6	1.0	0.0	169.6	1	
1K	55	-6779	-11	-130	0	-131	20	126.0	48.7	11.0	0.0	174.7	1	
1L	55	-6779	17	-130	0	-131	-13	126.0	43.6	11.0	0.0	169.7	1	
1M	55	4044	-11	12	0	131	20	75.2	48.7	1.0	0.0	123.9	1	
1N	55	4044	17	12	0	131	-13	75.2	43.6	1.0	0.0	118.8	1	
1O	55	4044	-11	-130	0	-131	20	75.2	48.7	11.0	0.0	123.9	1	
1P	55	4044	17	-130	0	-131	-13	75.2	43.6	11.0	0.0	118.8	1	
2	55	-3577	20	-366	0	-5	18	66.5	14.7	31.0	0.0	85.8	4	
7	55	-2932	18	-313	0	2	17	54.5	13.0	26.5	0.0	71.6	4	
8	55	-2792	14	-285	0	-13	12	51.9	12.0	24.2	0.0	66.9	4	
1A	111	-5866	-7	41	0	83	43	109.0	53.8	3.4	0.0	162.8	1	
1B	111	-5866	14	41	0	83	-33	109.0	45.9	3.4	0.0	155.0	1	
1C	111	-5866	-7	-159	0	-18	43	109.0	36.9	13.5	0.0	145.9	1	
1D	111	-5866	14	-159	0	-18	-33	109.0	29.1	13.5	0.0	138.1	1	
1E	111	3178	-7	41	0	83	43	59.1	53.8	3.4	0.0	112.8	1	
1F	111	3178	14	41	0	83	-33	59.1	45.9	3.4	0.0	105.0	1	
1G	111	3178	-7	-159	0	-18	43	59.1	36.9	13.5	0.0	96.0	1	
1H	111	3178	14	-159	0	-18	-33	59.1	29.1	13.5	0.0	88.1	1	
1I	111	-6756	-11	12	0	131	24	125.6	51.6	1.0	0.0	177.2	1	
1J	111	-6756	17	12	0	131	-13	125.6	43.8	1.0	0.0	169.4	1	
1K	111	-6756	-11	-130	0	-66	24	125.6	34.8	11.0	0.0	160.3	1	
1L	111	-6756	17	-130	0	-66	-13	125.6	26.9	11.0	0.0	152.5	1	
1M	111	4068	-11	12	0	131	24	75.6	51.6	1.0	0.0	127.2	1	
1N	111	4068	17	12	0	131	-13	75.6	43.8	1.0	0.0	119.4	1	
1O	111	4068	-11	-130	0	-66	24	75.6	34.8	11.0	0.0	110.4	1	
1P	111	4068	17	-130	0	-66	-13	75.6	26.9	11.0	0.0	102.5	1	
2	111	-3547	20	-366	0	197	29	65.9	72.3	31.0	0.0	138.2	1	
7	111	-2902	18	-313	0	175	27	53.9	65.1	26.5	0.0	119.0	1	
8	111	-2762	14	-285	0	145	20	51.3	52.0	24.2	0.0	103.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5913	85	39	23	23	14	1.03	1.00	164.0	
1B	-5913	85	31	23	23	14	1.03	1.00	158.3	
1C	-5913	98	39	23	23	14	1.03	1.00	167.4	
1D	-5913	98	31	23	23	14	1.03	1.00	161.7	
1E	3178	85	39	23	23	14	1.00	1.00	109.7	
1F	3178	85	31	23	23	14	1.00	1.00	104.1	
1G	3178	98	39	23	23	14	1.00	1.00	113.1	
1H	3178	98	31	23	23	14	1.00	1.00	107.5	
1I	-6802	131	21	23	23	14	1.03	1.00	179.6	
1J	-6802	131	13	23	23	14	1.03	1.00	174.0	
1K	-6802	144	21	23	23	14	1.03	1.00	183.0	
1L	-6802	144	13	23	23	14	1.03	1.00	177.3	
1M	4068	131	21	23	23	14	1.00	1.00	124.9	
1N	4068	131	13	23	23	14	1.00	1.00	119.3	
1O	4068	144	21	23	23	14	1.00	1.00	128.3	
1P	4068	144	13	23	23	14	1.00	1.00	122.6	
2	-3607	83	20	23	23	14	1.03	1.00	105.4	
7	-2962	70	19	23	23	14	1.03	1.00	88.7	
8	-2823	68	13	23	23	14	1.03	1.00	81.5	

ASTA NUM. 461 NI 31 NF 32 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5804	-9	117	0	98	46	107.9	59.4	10.0	0.0	167.3	1	
1B	0	-5804	16	117	0	98	-36	107.9	52.3	10.0	0.0	160.1	1	
1C	0	-5804	-9	-129	0	-73	46	107.9	52.9	10.9	0.0	160.8	1	
1D	0	-5804	16	-129	0	-73	-36	107.9	45.8	10.9	0.0	153.7	1	
1E	0	2958	-9	117	0	98	46	55.0	59.4	10.0	0.0	114.4	1	
1F	0	2958	16	117	0	98	-36	55.0	52.3	10.0	0.0	107.2	1	
1G	0	2958	-9	-129	0	-73	46	55.0	52.9	10.9	0.0	107.9	1	
1H	0	2958	16	-129	0	-73	-36	55.0	45.8	10.9	0.0	100.8	1	
1I	0	-6654	-15	93	0	156	21	123.7	55.7	7.9	0.0	179.4	1	
1J	0	-6654	21	93	0	156	-11	123.7	48.5	7.9	0.0	172.2	1	
1K	0	-6654	-15	-104	0	-131	21	123.7	49.2	8.8	0.0	172.9	1	
1L	0	-6654	21	-104	0	-131	-11	123.7	42.1	8.8	0.0	165.8	1	
1M	0	3808	-15	93	0	156	21	70.8	55.7	7.9	0.0	126.5	1	
1N	0	3808	21	93	0	156	-11	70.8	48.5	7.9	0.0	119.3	1	
1O	0	3808	-15	-104	0	-131	21	70.8	49.2	8.8	0.0	120.0	1	
1P	0	3808	21	-104	0	-131	-11	70.8	42.1	8.8	0.0	112.9	1	
2	0	-4195	21	-152	0	34	25	78.0	27.2	12.9	0.0	105.1	1	
7	0	-3458	18	-131	0	36	23	64.3	26.1	11.1	0.0	90.3	1	
8	0	-3258	15	-112	0	20	17	60.6	17.7	9.5	0.0	78.2	1	
1A	55	-5781	-9	117	0	15	54	107.5	44.4	10.0	0.0	151.9	1	
1B	55	-5781	16	117	0	15	-41	107.5	34.6	10.0	0.0	142.0	1	
1C	55	-5781	-9	-129	0	16	54	107.5	44.7	10.9	0.0	152.1	1	
1D	55	-5781	16	-129	0	16	-41	107.5	34.9	10.9	0.0	142.3	1	
1E	55	2981	-9	117	0	15	54	55.4	44.4	10.0	0.0	99.8	1	
1F	55	2981	16	117	0	15	-41	55.4	34.6	10.0	0.0	90.0	1	
1G	55	2981	-9	-129	0	16	54	55.4	44.7	10.9	0.0	100.1	1	
1H	55	2981	16	-129	0	16	-41	55.4	34.9	10.9	0.0	90.3	1	
1I	55	-6631	-15	93	0	126	32	123.3	56.1	7.9	0.0	179.3	1	
1J	55	-6631	21	93	0	126	-19	123.3	46.3	7.9	0.0	169.5	1	
1K	55	-6631	-15	-104	0	-94	32	123.3	48.0	8.8	0.0	171.2	1	
1L	55	-6631	21	-104	0	-94	-19	123.3	38.2	8.8	0.0	161.4	1	
1M	55	3831	-15	93	0	126	32	71.2	56.1	7.9	0.0	127.3	1	
1N	55	3831	21	93	0	126	-19	71.2	46.3	7.9	0.0	117.5	1	
1O	55	3831	-15	-104	0	-94	32	71.2	48.0	8.8	0.0	119.2	1	
1P	55	3831	21	-104	0	-94	-19	71.2	38.2	8.8	0.0	109.4	1	
2	55	-4165	21	-152	0	118	36	77.4	57.2	12.9	0.0	134.6	1	
7	55	-3428	18	-131	0	108	33	63.7	52.4	11.1	0.0	116.1	1	
8	55	-3228	15	-112	0	83	25	60.0	39.8	9.5	0.0	99.8	1	
1A	111	-5758	-9	117	0	-67	62	107.0	64.1	10.0	0.0	171.1	1	
1B	111	-5758	16	117	0	-67	-46	107.0	51.6	10.0	0.0	158.7	1	
1C	111	-5758	-9	-129	0	105	62	107.0	73.8	10.9	0.0	180.9	1	
1D	111	-5758	16	-129	0	105	-46	107.0	61.4	10.9	0.0	168.4	1	
1E	111	3004	-9	117	0	-67	62	55.8	64.1	10.0	0.0	119.9	1	
1F	111	3004	16	117	0	-67	-46	55.8	51.6	10.0	0.0	107.5	1	
1G	111	3004	-9	-129	0	105	62	55.8	73.8	10.9	0.0	129.7	1	
1H	111	3004	16	-129	0	105	-46	55.8	61.4	10.9	0.0	117.2	1	
1I	111	-6608	-15	93	0	95	43	122.8	56.5	7.9	0.0	179.3	1	
1J	111	-6608	21	93	0	95	-26	122.8	44.0	7.9	0.0	166.8	1	
1K	111	-6608	-15	-104	0	-57	43	122.8	46.7	8.8	0.0	169.6	1	
1L	111	-6608	21	-104	0	-57	-26	122.8	34.3	8.8	0.0	157.1	1	
1M	111	3854	-15	93	0	95	43	71.6	56.5	7.9	0.0	128.1	1	
1N	111	3854	21	93	0	95	-26	71.6	44.0	7.9	0.0	115.6	1	
1O	111	3854	-15	-104	0	-57	43	71.6	46.7	8.8	0.0	118.4	1	
1P	111	3854	21	-104	0	-57	-26	71.6	34.3	8.8	0.0	105.9	1	
2	111	-4135	21	-152	0	202	47	76.9	87.3	12.9	0.0	164.2	1	
7	111	-3398	18	-131	0	180	43	63.2	78.6	11.1	0.0	141.8	1	
8	111	-3198	15	-112	0	145	33	59.4	61.9	9.5	0.0	121.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5804	39	56	23	23	14	1.03	1.00	163.1	
1B	-5804	39	42	23	23	14	1.03	1.00	152.7	
1C	-5804	42	56	23	23	14	1.03	1.00	163.8	
1D	-5804	42	42	23	23	14	1.03	1.00	153.5	
1E	3004	39	56	23	23	14	1.00	1.00	107.6	
1F	3004	39	42	23	23	14	1.00	1.00	97.3	
1G	3004	42	56	23	23	14	1.00	1.00	108.4	
1H	3004	42	42	23	23	14	1.00	1.00	98.1	
1I	-6654	132	34	23	23	14	1.03	1.00	186.8	
1J	-6654	132	20	23	23	14	1.03	1.00	176.4	
1K	-6654	102	34	23	23	14	1.03	1.00	179.0	
1L	-6654	102	20	23	23	14	1.03	1.00	168.7	
1M	3854	132	34	23	23	14	1.00	1.00	130.9	
1N	3854	132	20	23	23	14	1.00	1.00	120.6	
1O	3854	102	34	23	23	14	1.00	1.00	123.2	
1P	3854	102	20	23	23	14	1.00	1.00	112.8	
2	-4195	135	38	23	23	14	1.03	1.00	143.6	
7	-3458	123	35	23	23	14	1.03	1.00	123.9	
8	-3258	95	26	23	23	14	1.03	1.00	106.6	

ASTA NUM. 462 NI 32 NF 33 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-4993	-11	-0	0	66	76	92.8	74.0	0.4	0.0	166.8	1	
1B	0	-4993	10	-0	0	66	-57	92.8	59.8	0.4	0.0	152.6	1	
1C	0	-4993	-11	-118	0	-69	76	92.8	74.8	10.0	0.0	167.6	1	
1D	0	-4993	10	-118	0	-69	-57	92.8	60.6	10.0	0.0	153.4	1	
1E	0	-23	-11	-0	0	66	76	0.4	74.0	0.4	0.0	74.4	1	
1F	0	-23	10	-0	0	66	-57	0.4	59.8	0.4	0.0	60.2	1	
1G	0	-23	-11	-118	0	-69	76	0.4	74.8	10.0	0.0	75.2	1	
1H	0	-23	10	-118	0	-69	-57	0.4	60.6	10.0	0.0	61.0	1	
1I	0	-5290	-19	6	0	104	45	98.3	60.5	0.7	0.0	158.9	1	
1J	0	-5290	18	6	0	104	-26	98.3	46.4	0.7	0.0	144.7	1	
1K	0	-5290	-19	-124	0	-107	45	98.3	61.3	10.5	0.0	159.7	1	
1L	0	-5290	18	-124	0	-107	-26	98.3	47.1	10.5	0.0	145.5	1	
1M	0	274	-19	6	0	104	45	5.1	60.5	0.7	0.0	65.6	1	
1N	0	274	18	6	0	104	-26	5.1	46.4	0.7	0.0	51.5	1	
1O	0	274	-19	-124	0	-107	45	5.1	61.3	10.5	0.0	66.4	1	
1P	0	274	18	-124	0	-107	-26	5.1	47.1	10.5	0.0	52.2	1	
2	0	-12040	0	-307	0	58	52	223.8	53.5	26.0	0.0	277.3	1	
7	0	-10010	1	-252	0	60	47	186.1	50.3	21.4	0.0	236.4	1	
8	0	-9328	0	-243	0	33	36	173.4	35.6	20.6	0.0	209.0	1	
1A	55	-4970	-11	-0	0	77	76	92.4	76.4	0.4	0.0	168.7	1	
1B	55	-4970	10	-0	0	77	-58	92.4	62.9	0.4	0.0	155.3	1	
1C	55	-4970	-11	-118	0	-15	76	92.4	60.3	10.0	0.0	152.7	1	
1D	55	-4970	10	-118	0	-15	-58	92.4	46.9	10.0	0.0	139.3	1	
1E	55	1	-11	-0	0	77	76	0.0	76.4	0.4	0.0	76.4	1	
1F	55	1	10	-0	0	77	-58	0.0	62.9	0.4	0.0	62.9	1	
1G	55	1	-11	-118	0	-15	76	0.0	60.3	10.0	0.0	60.4	1	
1H	55	1	10	-118	0	-15	-58	0.0	46.9	10.0	0.0	46.9	1	
1I	55	-5267	-19	6	0	105	53	97.9	66.4	0.7	0.0	164.2	1	
1J	55	-5267	18	6	0	105	-35	97.9	52.9	0.7	0.0	150.8	1	
1K	55	-5267	-19	-124	0	-43	53	97.9	50.3	10.5	0.0	148.2	1	
1L	55	-5267	18	-124	0	-43	-35	97.9	36.9	10.5	0.0	134.8	1	
1M	55	298	-19	6	0	105	53	5.5	66.4	0.7	0.0	71.9	1	
1N	55	298	18	6	0	105	-35	5.5	52.9	0.7	0.0	58.4	1	
1O	55	298	-19	-124	0	-43	53	5.5	50.3	10.5	0.0	55.9	1	
1P	55	298	18	-124	0	-43	-35	5.5	36.9	10.5	0.0	42.4	1	
2	55	-12010	0	-307	0	227	52	223.2	97.3	26.0	0.0	320.5	1	
7	55	-9981	1	-252	0	199	47	185.5	86.4	21.4	0.0	271.9	1	
8	55	-9298	0	-243	0	167	36	172.8	70.4	20.6	0.0	243.2	1	
1A	111	-4946	-11	-0	0	88	75	91.9	78.7	0.4	0.0	170.6	1	
1B	111	-4946	10	-0	0	88	-58	91.9	66.0	0.4	0.0	157.9	1	
1C	111	-4946	-11	-118	0	40	75	91.9	66.4	10.0	0.0	158.3	1	
1D	111	-4946	10	-118	0	40	-58	91.9	53.7	10.0	0.0	145.6	1	
1E	111	24	-11	-0	0	88	75	0.5	78.7	0.4	0.0	79.2	1	
1F	111	24	10	-0	0	88	-58	0.5	66.0	0.4	0.0	66.4	1	
1G	111	24	-11	-118	0	40	75	0.5	66.4	10.0	0.0	66.9	1	
1H	111	24	10	-118	0	40	-58	0.5	53.7	10.0	0.0	54.1	1	
1I	111	-5243	-19	6	0	105	60	97.5	72.2	0.7	0.0	169.6	1	
1J	111	-5243	18	6	0	105	-43	97.5	59.4	0.7	0.0	156.9	1	
1K	111	-5243	-19	-124	0	22	60	97.5	50.7	10.5	0.0	148.2	1	
1L	111	-5243	18	-124	0	22	-43	97.5	38.0	10.5	0.0	135.4	1	
1M	111	321	-19	6	0	105	60	6.0	72.2	0.7	0.0	78.1	1	
1N	111	321	18	6	0	105	-43	6.0	59.4	0.7	0.0	65.4	1	
1O	111	321	-19	-124	0	22	60	6.0	50.7	10.5	0.0	56.7	1	
1P	111	321	18	-124	0	22	-43	6.0	38.0	10.5	0.0	43.9	1	
2	111	-11980	0	-307	0	397	52	222.7	141.1	26.0	0.0	363.8	1	
7	111	-9952	1	-252	0	338	47	185.0	122.5	21.4	0.0	307.5	1	
8	111	-9267	0	-243	0	302	37	172.2	105.1	20.6	0.0	277.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4993	79	76	23	23	14	1.03	1.00	172.8	
1B	-4993	79	58	23	23	14	1.03	1.00	159.2	
1C	-4993	28	76	23	23	14	1.03	1.00	159.5	
1D	-4993	28	58	23	23	14	1.03	1.00	146.0	
1E	-23	79	76	23	23	14	1.03	1.00	77.4	
1F	-23	79	58	23	23	14	1.03	1.00	63.9	
1G	-23	28	76	23	23	14	1.03	1.00	64.2	
1H	-23	28	58	23	23	14	1.03	1.00	50.7	
1I	-5290	105	54	23	23	14	1.03	1.00	168.9	
1J	-5290	105	36	23	23	14	1.03	1.00	155.6	
1K	-5290	56	54	23	23	14	1.03	1.00	156.2	
1L	-5290	56	36	23	23	14	1.03	1.00	142.9	
1M	321	105	54	23	23	14	1.00	1.00	73.5	
1N	321	105	36	23	23	14	1.00	1.00	60.2	
1O	321	56	54	23	23	14	1.00	1.00	60.8	
1P	321	56	36	23	23	14	1.00	1.00	47.5	
2	-12040	261	52	23	23	14	1.03	1.00	336.9	
7	-10010	227	47	23	23	14	1.03	1.00	285.5	
8	-9328	194	36	23	23	14	1.03	1.00	256.1	

ASTA NUM. 463 NI 33 NF 34 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4882	-24	72	0	101	96	90.7	98.1	6.1	0.0	188.8	1	
1B	0	-4882	14	72	0	101	-75	90.7	82.0	6.1	0.0	172.8	1	
1C	0	-4882	-24	-90	0	-14	96	90.7	75.8	7.6	0.0	166.5	1	
1D	0	-4882	14	-90	0	-14	-75	90.7	59.7	7.6	0.0	150.5	1	
1E	0	-200	-24	72	0	101	96	3.7	98.1	6.1	0.0	101.8	1	
1F	0	-200	14	72	0	101	-75	3.7	82.0	6.1	0.0	85.7	1	
1G	0	-200	-24	-90	0	-14	96	3.7	75.8	7.6	0.0	79.5	1	
1H	0	-200	14	-90	0	-14	-75	3.7	59.7	7.6	0.0	63.4	1	
1I	0	-5146	-23	67	0	128	70	95.7	85.5	5.7	0.0	181.2	1	
1J	0	-5146	12	67	0	128	-49	95.7	69.5	5.7	0.0	165.1	1	
1K	0	-5146	-23	-85	0	-42	70	95.7	63.2	7.2	0.0	158.9	1	
1L	0	-5146	12	-85	0	-42	-49	95.7	47.2	7.2	0.0	142.8	1	
1M	0	64	-23	67	0	128	70	1.2	85.5	5.7	0.0	86.7	1	
1N	0	64	12	67	0	128	-49	1.2	69.5	5.7	0.0	70.7	1	
1O	0	64	-23	-85	0	-42	70	1.2	63.2	7.2	0.0	64.4	1	
1P	0	64	12	-85	0	-42	-49	1.2	47.2	7.2	0.0	48.4	1	
2	0	-12460	-23	-83	0	276	63	231.6	118.3	7.0	0.0	349.9	1	
7	0	-10340	-20	-62	0	241	57	192.2	104.7	5.3	0.0	296.9	1	
8	0	-9647	-17	-66	0	207	45	179.3	86.6	5.6	0.0	265.9	1	
1A	55	-4859	-24	72	0	56	87	90.3	79.8	6.1	0.0	170.1	1	
1B	55	-4859	14	72	0	56	-72	90.3	68.1	6.1	0.0	158.5	1	
1C	55	-4859	-24	-90	0	40	87	90.3	75.6	7.6	0.0	165.9	1	
1D	55	-4859	14	-90	0	40	-72	90.3	63.9	7.6	0.0	154.3	1	
1E	55	-177	-24	72	0	56	87	3.3	79.8	6.1	0.0	83.1	1	
1F	55	-177	14	72	0	56	-72	3.3	68.1	6.1	0.0	71.4	1	
1G	55	-177	-24	-90	0	40	87	3.3	75.6	7.6	0.0	78.9	1	
1H	55	-177	14	-90	0	40	-72	3.3	63.9	7.6	0.0	67.2	1	
1I	55	-5123	-23	67	0	102	71	95.2	79.7	5.7	0.0	174.9	1	
1J	55	-5123	12	67	0	102	-56	95.2	68.0	5.7	0.0	163.2	1	
1K	55	-5123	-23	-85	0	-6	71	95.2	54.9	7.2	0.0	150.1	1	
1L	55	-5123	12	-85	0	-6	-56	95.2	43.2	7.2	0.0	138.4	1	
1M	55	87	-23	67	0	102	71	1.6	79.7	5.7	0.0	81.3	1	
1N	55	87	12	67	0	102	-56	1.6	68.0	5.7	0.0	69.6	1	
1O	55	87	-23	-85	0	-6	71	1.6	54.9	7.2	0.0	56.5	1	
1P	55	87	12	-85	0	-6	-56	1.6	43.2	7.2	0.0	44.8	1	
2	55	-12430	-23	-83	0	322	51	231.0	120.6	7.0	0.0	351.7	1	
7	55	-10310	-20	-62	0	275	46	191.6	105.3	5.3	0.0	296.9	1	
8	55	-9616	-17	-66	0	243	35	178.7	89.1	5.6	0.0	267.8	1	
1A	111	-4836	-24	72	0	12	78	89.9	61.6	6.1	0.0	151.5	1	
1B	111	-4836	14	72	0	12	-68	89.9	54.2	6.1	0.0	144.1	1	
1C	111	-4836	-24	-90	0	94	78	89.9	82.7	7.6	0.0	172.6	1	
1D	111	-4836	14	-90	0	94	-68	89.9	75.4	7.6	0.0	165.3	1	
1E	111	-154	-24	72	0	12	78	2.9	61.6	6.1	0.0	64.4	1	
1F	111	-154	14	72	0	12	-68	2.9	54.2	6.1	0.0	57.1	1	
1G	111	-154	-24	-90	0	94	78	2.9	82.7	7.6	0.0	85.6	1	
1H	111	-154	14	-90	0	94	-68	2.9	75.4	7.6	0.0	78.3	1	
1I	111	-5100	-23	67	0	76	72	94.8	73.8	5.7	0.0	168.6	1	
1J	111	-5100	12	67	0	76	-63	94.8	66.5	5.7	0.0	161.3	1	
1K	111	-5100	-23	-85	0	30	72	94.8	61.8	7.2	0.0	156.6	1	
1L	111	-5100	12	-85	0	30	-63	94.8	54.5	7.2	0.0	149.3	1	
1M	111	110	-23	67	0	76	72	2.0	73.8	5.7	0.0	75.9	1	
1N	111	110	12	67	0	76	-63	2.0	66.5	5.7	0.0	68.6	1	
1O	111	110	-23	-85	0	30	72	2.0	61.8	7.2	0.0	63.9	1	
1P	111	110	12	-85	0	30	-63	2.0	54.5	7.2	0.0	56.6	1	
2	111	-12400	-23	-83	0	368	38	230.5	123.0	7.0	0.0	353.5	1	
7	111	-10280	-20	-62	0	309	35	191.1	105.9	5.3	0.0	296.9	1	
8	111	-9586	-17	-66	0	280	26	178.2	91.6	5.6	0.0	269.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4882	65	89	23	23	14	1.03	1.00	177.1	
1B	-4882	65	72	23	23	14	1.03	1.00	164.5	
1C	-4882	51	89	23	23	14	1.03	1.00	173.4	
1D	-4882	51	72	23	23	14	1.03	1.00	160.8	
1E	-200	65	89	23	23	14	1.03	1.00	87.3	
1F	-200	65	72	23	23	14	1.03	1.00	74.7	
1G	-200	51	89	23	23	14	1.03	1.00	83.6	
1H	-200	51	72	23	23	14	1.03	1.00	71.0	
1I	-5146	108	71	23	23	14	1.03	1.00	179.9	
1J	-5146	108	57	23	23	14	1.03	1.00	169.0	
1K	-5146	17	71	23	23	14	1.03	1.00	156.5	
1L	-5146	17	57	23	23	14	1.03	1.00	145.6	
1M	110	108	71	23	23	14	1.00	1.00	83.2	
1N	110	108	57	23	23	14	1.00	1.00	72.4	
1O	110	17	71	23	23	14	1.00	1.00	59.8	
1P	110	17	57	23	23	14	1.00	1.00	49.0	
2	-12460	331	53	23	23	14	1.03	1.00	363.9	
7	-10340	282	48	23	23	14	1.03	1.00	307.0	
8	-9647	250	37	23	23	14	1.03	1.00	277.3	

ASTA NUM. 464 NI 34 NF 35 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

		kg			kg*m			kg/cmq					
	cm												
1A	0	-4106	-119	-35	0	57	128	76.3	110.4	4.5	0.0	186.8	1
1B	0	-4106	75	-35	0	57	-108	76.3	95.8	3.0	0.0	172.1	1
1C	0	-4106	-119	-107	0	8	128	76.3	97.8	9.1	0.0	174.1	1
1D	0	-4106	75	-107	0	8	-108	76.3	83.2	9.1	0.0	159.5	1
1E	0	-3118	-119	-35	0	57	128	58.0	110.4	4.5	0.0	168.4	1
1F	0	-3118	75	-35	0	57	-108	58.0	95.8	3.0	0.0	153.7	1
1G	0	-3118	-119	-107	0	8	128	58.0	97.8	9.1	0.0	155.8	1
1H	0	-3118	75	-107	0	8	-108	58.0	83.2	9.1	0.0	141.1	1
1I	0	-3875	-82	2	0	85	104	72.0	99.6	3.1	0.0	171.6	1
1J	0	-3875	37	2	0	85	-84	72.0	85.0	1.4	0.0	157.0	1
1K	0	-3875	-82	-144	0	-20	104	72.0	82.9	12.2	0.0	154.9	1
1L	0	-3875	37	-144	0	-20	-84	72.0	68.2	12.2	0.0	140.3	1
1M	0	-3349	-82	2	0	85	104	62.2	99.6	3.1	0.0	161.8	1
1N	0	-3349	37	2	0	85	-84	62.2	85.0	1.4	0.0	147.2	1
1O	0	-3349	-82	-144	0	-20	104	62.2	82.9	12.2	0.0	145.1	1
1P	0	-3349	37	-144	0	-20	-84	62.2	68.2	12.2	0.0	130.5	1
2	0	-17860	-115	-304	0	266	65	332.0	117.4	25.7	0.0	449.4	1
7	0	-14490	-102	-234	0	231	60	269.3	104.2	19.8	0.0	373.5	1
8	0	-13990	-84	-246	0	198	46	260.0	85.3	20.8	0.0	345.3	1
1A	55	-4083	-119	-35	0	70	68	75.9	68.6	4.5	0.0	144.5	1
1B	55	-4083	75	-35	0	70	-72	75.9	72.2	3.0	0.0	148.1	1
1C	55	-4083	-119	-107	0	74	68	75.9	69.5	9.1	0.0	145.4	1
1D	55	-4083	75	-107	0	74	-72	75.9	73.2	9.1	0.0	149.0	1
1E	55	-3094	-119	-35	0	70	68	57.5	68.6	4.5	0.0	126.1	1
1F	55	-3094	75	-35	0	70	-72	57.5	72.2	3.0	0.0	129.8	1
1G	55	-3094	-119	-107	0	74	68	57.5	69.5	9.1	0.0	127.0	1
1H	55	-3094	75	-107	0	74	-72	57.5	73.2	9.1	0.0	130.7	1
1I	55	-3852	-82	2	0	82	64	71.6	69.5	3.1	0.0	141.1	1
1J	55	-3852	37	2	0	82	-69	71.6	73.1	1.4	0.0	144.7	1
1K	55	-3852	-82	-144	0	61	64	71.6	64.1	12.2	0.0	135.7	1
1L	55	-3852	37	-144	0	61	-69	71.6	67.7	12.2	0.0	139.3	1
1M	55	-3325	-82	2	0	82	64	61.8	69.5	3.1	0.0	131.3	1
1N	55	-3325	37	2	0	82	-69	61.8	73.1	1.4	0.0	134.9	1
1O	55	-3325	-82	-144	0	61	64	61.8	64.1	12.2	0.0	125.9	1
1P	55	-3325	37	-144	0	61	-69	61.8	67.7	12.2	0.0	129.5	1
2	55	-17830	-115	-304	0	434	2	331.4	112.9	25.7	0.0	444.4	1
7	55	-14460	-102	-234	0	360	3	268.8	95.3	19.8	0.0	364.1	1
8	55	-13960	-84	-246	0	334	-0	259.5	86.1	20.8	0.0	345.6	1
1A	111	-4059	-119	-35	0	83	7	75.5	26.8	4.5	0.0	102.2	1
1B	111	-4059	75	-35	0	83	-36	75.5	48.7	3.0	0.0	124.1	1
1C	111	-4059	-119	-107	0	139	7	75.5	41.3	9.1	0.0	116.7	1
1D	111	-4059	75	-107	0	139	-36	75.5	63.2	9.1	0.0	138.6	1
1E	111	-3071	-119	-35	0	83	7	57.1	26.8	4.5	0.0	83.9	1
1F	111	-3071	75	-35	0	83	-36	57.1	48.7	3.0	0.0	105.8	1
1G	111	-3071	-119	-107	0	139	7	57.1	41.3	9.1	0.0	98.3	1
1H	111	-3071	75	-107	0	139	-36	57.1	63.2	9.1	0.0	120.2	1
1I	111	-3828	-82	2	0	79	25	71.2	39.3	3.1	0.0	110.5	1
1J	111	-3828	37	2	0	79	-55	71.2	61.2	1.4	0.0	132.4	1
1K	111	-3828	-82	-144	0	143	25	71.2	55.7	12.2	0.0	126.9	1
1L	111	-3828	37	-144	0	143	-55	71.2	77.6	12.2	0.0	148.8	1
1M	111	-3302	-82	2	0	79	25	61.4	39.3	3.1	0.0	100.7	1
1N	111	-3302	37	2	0	79	-55	61.4	61.2	1.4	0.0	122.6	1
1O	111	-3302	-82	-144	0	143	25	61.4	55.7	12.2	0.0	117.1	1
1P	111	-3302	37	-144	0	143	-55	61.4	77.6	12.2	0.0	139.0	1
2	111	-17800	-115	-304	0	602	-62	330.9	201.3	25.7	0.0	532.1	1
7	111	-14430	-102	-234	0	490	-53	268.2	165.6	19.8	0.0	433.8	1
8	111	-13930	-84	-246	0	470	-47	258.9	155.8	20.8	0.0	414.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4106	73	80	23	23	14	1.03	1.00	157.1	
1B	-4106	73	80	23	23	14	1.03	1.00	157.0	
1C	-4106	87	80	23	23	14	1.03	1.00	160.7	
1D	-4106	87	80	23	23	14	1.03	1.00	160.7	
1E	-3118	73	80	23	23	14	1.03	1.00	138.1	
1F	-3118	73	80	23	23	14	1.03	1.00	138.1	
1G	-3118	87	80	23	23	14	1.03	1.00	141.7	
1H	-3118	87	80	23	23	14	1.03	1.00	141.7	
1I	-3875	83	72	23	23	14	1.03	1.00	149.8	
1J	-3875	83	72	23	23	14	1.03	1.00	149.8	
1K	-3875	78	72	23	23	14	1.03	1.00	148.4	
1L	-3875	78	72	23	23	14	1.03	1.00	148.4	
1M	-3349	83	72	23	23	14	1.03	1.00	139.7	
1N	-3349	83	72	23	23	14	1.03	1.00	139.7	
1O	-3349	78	72	23	23	14	1.03	1.00	138.3	
1P	-3349	78	72	23	23	14	1.03	1.00	138.3	
2	-17860	468	26	23	23	14	1.03	1.00	482.4	
7	-14490	386	24	23	23	14	1.03	1.00	395.1	
8	-13990	361	19	23	23	14	1.03	1.00	375.0	

ASTA NUM. 465 NI 35 NF 36 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm	kg			kg*m			kg/cmq				
1A	0	-4087	-206	51	0	119	48	76.0	66.3	7.7	0.0	142.2	1
1B	0	-4087	135	51	0	119	-71	76.0	83.9	5.1	0.0	159.9	1
1C	0	-4087	-206	-182	0	70	48	76.0	53.8	15.4	0.0	129.8	1
1D	0	-4087	135	-182	0	70	-71	76.0	71.5	15.4	0.0	147.4	1
1E	0	-3173	-206	51	0	119	48	59.0	66.3	7.7	0.0	125.2	1
1F	0	-3173	135	51	0	119	-71	59.0	83.9	5.1	0.0	142.9	1
1G	0	-3173	-206	-182	0	70	48	59.0	53.8	15.4	0.0	112.8	1
1H	0	-3173	135	-182	0	70	-71	59.0	71.5	15.4	0.0	130.4	1
1I	0	-3880	-157	37	0	111	55	72.1	69.9	5.9	0.0	142.0	1
1J	0	-3880	86	37	0	111	-79	72.1	87.5	3.2	0.0	159.6	1
1K	0	-3880	-157	-168	0	78	55	72.1	61.3	14.3	0.0	133.4	1
1L	0	-3880	86	-168	0	78	-79	72.1	78.9	14.3	0.0	151.0	1
1M	0	-3380	-157	37	0	111	55	62.8	69.9	5.9	0.0	132.7	1
1N	0	-3380	86	37	0	111	-79	62.8	87.5	3.2	0.0	150.3	1
1O	0	-3380	-157	-168	0	78	55	62.8	61.3	14.3	0.0	124.1	1
1P	0	-3380	86	-168	0	78	-79	62.8	78.9	14.3	0.0	141.7	1
2	0	-18050	-190	-224	0	540	-43	335.5	170.9	19.0	0.0	506.4	1
7	0	-14610	-169	-159	0	446	-35	271.6	141.0	13.5	0.0	412.6	1
8	0	-14140	-139	-194	0	417	-33	262.8	132.3	16.4	0.0	395.2	1
1A	55	-4064	-206	51	0	88	-71	75.5	75.8	7.7	0.0	151.3	1
1B	55	-4064	135	51	0	88	9	75.5	29.0	5.1	0.0	104.5	1
1C	55	-4064	-206	-182	0	174	-71	75.5	98.1	15.4	0.0	173.6	1
1D	55	-4064	135	-182	0	174	9	75.5	51.3	15.4	0.0	126.8	1
1E	55	-3149	-206	51	0	88	-71	58.5	75.8	7.7	0.0	134.3	1
1F	55	-3149	135	51	0	88	9	58.5	29.0	5.1	0.0	87.5	1
1G	55	-3149	-206	-182	0	174	-71	58.5	98.1	15.4	0.0	156.6	1
1H	55	-3149	135	-182	0	174	9	58.5	51.3	15.4	0.0	109.8	1
1I	55	-3856	-157	37	0	89	-44	71.7	55.7	5.9	0.0	127.4	1
1J	55	-3856	86	37	0	89	-19	71.7	37.2	3.2	0.0	108.9	1
1K	55	-3856	-157	-168	0	172	-44	71.7	77.0	14.3	0.0	148.7	1
1L	55	-3856	86	-168	0	172	-19	71.7	58.5	14.3	0.0	130.2	1
1M	55	-3357	-157	37	0	89	-44	62.4	55.7	5.9	0.0	118.1	1
1N	55	-3357	86	37	0	89	-19	62.4	37.2	3.2	0.0	99.6	1
1O	55	-3357	-157	-168	0	172	-44	62.4	77.0	14.3	0.0	139.4	1
1P	55	-3357	86	-168	0	172	-19	62.4	58.5	14.3	0.0	120.9	1
2	55	-18020	-190	-224	0	664	-148	334.9	281.7	19.0	0.0	616.6	1
7	55	-14580	-169	-159	0	534	-129	271.0	233.8	13.5	0.0	504.8	1
8	55	-14110	-139	-194	0	524	-110	262.3	217.3	16.4	0.0	479.6	1
1A	111	-4040	-206	51	0	56	-190	75.1	156.7	7.7	0.0	231.8	1
1B	111	-4040	135	51	0	56	88	75.1	80.8	5.1	0.0	155.9	1
1C	111	-4040	-206	-182	0	278	-190	75.1	213.7	15.4	0.0	288.8	1
1D	111	-4040	135	-182	0	278	88	75.1	137.7	15.4	0.0	212.8	1
1E	111	-3126	-206	51	0	56	-190	58.1	156.7	7.7	0.0	214.8	1
1F	111	-3126	135	51	0	56	88	58.1	80.8	5.1	0.0	138.9	1
1G	111	-3126	-206	-182	0	278	-190	58.1	213.7	15.4	0.0	271.8	1
1H	111	-3126	135	-182	0	278	88	58.1	137.7	15.4	0.0	195.8	1
1I	111	-3833	-157	37	0	68	-142	71.2	123.9	5.9	0.0	195.1	1
1J	111	-3833	86	37	0	68	41	71.2	48.0	3.2	0.0	119.2	1
1K	111	-3833	-157	-168	0	267	-142	71.2	175.1	14.3	0.0	246.4	1
1L	111	-3833	86	-168	0	267	41	71.2	99.2	14.3	0.0	170.4	1
1M	111	-3333	-157	37	0	68	-142	62.0	123.9	5.9	0.0	185.9	1
1N	111	-3333	86	37	0	68	41	62.0	48.0	3.2	0.0	109.9	1
1O	111	-3333	-157	-168	0	267	-142	62.0	175.1	14.3	0.0	237.1	1
1P	111	-3333	86	-168	0	267	41	62.0	99.2	14.3	0.0	161.1	1
2	111	-17990	-190	-224	0	787	-254	334.4	392.4	19.0	0.0	726.8	1
7	111	-14550	-169	-159	0	622	-222	270.4	326.5	13.5	0.0	597.0	1
8	111	-14080	-139	-194	0	631	-187	261.7	302.3	16.4	0.0	564.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4087	94	95	23	23	14	1.03	1.00	173.6	
1B	-4087	94	35	23	23	14	1.03	1.00	129.0	
1C	-4087	195	95	23	23	14	1.03	1.00	199.6	
1D	-4087	195	35	23	23	14	1.03	1.00	155.0	
1E	-3173	94	95	23	23	14	1.03	1.00	156.1	
1F	-3173	94	35	23	23	14	1.03	1.00	111.5	
1G	-3173	195	95	23	23	14	1.03	1.00	182.1	
1H	-3173	195	35	23	23	14	1.03	1.00	137.5	
1I	-3880	94	63	23	23	14	1.03	1.00	146.0	
1J	-3880	94	31	23	23	14	1.03	1.00	122.0	
1K	-3880	191	63	23	23	14	1.03	1.00	171.0	
1L	-3880	191	31	23	23	14	1.03	1.00	147.1	
1M	-3380	94	63	23	23	14	1.03	1.00	136.4	
1N	-3380	94	31	23	23	14	1.03	1.00	112.5	
1O	-3380	191	63	23	23	14	1.03	1.00	161.4	
1P	-3380	191	31	23	23	14	1.03	1.00	137.5	
2	-18050	688	169	23	23	14	1.03	1.00	651.1	
7	-14610	552	148	23	23	14	1.03	1.00	533.2	
8	-14140	546	125	23	23	14	1.03	1.00	506.0	

ASTA NUM. 466 NI 161 NF 162 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-13411	-99	305	0	522	106	249.3	213.6	25.9	0.0	462.9	1
1B	0	-13411	92	305	0	522	-101	249.3	209.6	25.9	0.0	458.9	1
1C	0	-13411	-99	-212	0	-408	106	249.3	184.3	18.0	0.0	433.6	1
1D	0	-13411	92	-212	0	-408	-101	249.3	180.3	18.0	0.0	429.6	1
1E	0	11333	-99	305	0	522	106	210.7	213.6	25.9	0.0	424.2	1
1F	0	11333	92	305	0	522	-101	210.7	209.6	25.9	0.0	420.3	1
1G	0	11333	-99	-212	0	-408	106	210.7	184.3	18.0	0.0	394.9	1
1H	0	11333	92	-212	0	-408	-101	210.7	180.3	18.0	0.0	391.0	1
1I	0	-28811	-74	308	0	966	71	535.5	301.9	26.1	0.0	837.4	1
1J	0	-28811	66	308	0	966	-66	535.5	297.9	26.1	0.0	833.4	1
1K	0	-28811	-74	-214	0	-852	71	535.5	272.6	18.2	0.0	808.1	1
1L	0	-28811	66	-214	0	-852	-66	535.5	268.6	18.2	0.0	804.1	1
1M	0	26733	-74	308	0	966	71	496.9	301.9	26.1	0.0	798.8	1
1N	0	26733	66	308	0	966	-66	496.9	297.9	26.1	0.0	794.8	1
1O	0	26733	-74	-214	0	-852	71	496.9	272.6	18.2	0.0	769.5	1
1P	0	26733	66	-214	0	-852	-66	496.9	268.6	18.2	0.0	765.5	1
2	0	-9938	-24	-92	0	-212	22	184.7	71.1	7.8	0.0	255.8	1
7	0	-9940	-24	-92	0	-213	22	184.8	71.4	7.8	0.0	256.1	1
8	0	-7406	-18	-46	0	-127	17	137.7	45.2	3.9	0.0	182.8	1
1A	55	-13388	-99	305	0	387	50	248.8	137.4	25.9	0.0	386.2	1
1B	55	-13388	92	305	0	387	-49	248.8	136.4	25.9	0.0	385.2	1
1C	55	-13388	-99	-212	0	-325	50	248.8	121.4	18.0	0.0	370.2	1
1D	55	-13388	92	-212	0	-325	-49	248.8	120.4	18.0	0.0	369.2	1
1E	55	11356	-99	305	0	387	50	211.1	137.4	25.9	0.0	348.4	1
1F	55	11356	92	305	0	387	-49	211.1	136.4	25.9	0.0	347.5	1
1G	55	11356	-99	-212	0	-325	50	211.1	121.4	18.0	0.0	332.5	1
1H	55	11356	92	-212	0	-325	-49	211.1	120.4	18.0	0.0	331.5	1
1I	55	-28788	-74	308	0	806	30	535.1	230.0	26.1	0.0	765.1	1
1J	55	-28788	66	308	0	806	-29	535.1	229.0	26.1	0.0	764.1	1
1K	55	-28788	-74	-214	0	-744	30	535.1	214.0	18.2	0.0	749.1	1
1L	55	-28788	66	-214	0	-744	-29	535.1	213.0	18.2	0.0	748.1	1
1M	55	26756	-74	308	0	806	30	497.3	230.0	26.1	0.0	727.3	1
1N	55	26756	66	308	0	806	-29	497.3	229.0	26.1	0.0	726.3	1
1O	55	26756	-74	-214	0	-744	30	497.3	214.0	18.2	0.0	711.3	1
1P	55	26756	66	-214	0	-744	-29	497.3	213.0	18.2	0.0	710.4	1
2	55	-9908	-24	-38	0	-176	9	184.2	51.9	3.2	0.0	236.1	1
7	55	-9910	-24	-38	0	-177	9	184.2	52.1	3.2	0.0	236.3	1
8	55	-7376	-18	-8	0	-112	6	137.1	33.7	0.7	0.0	170.8	1
1A	111	-13365	-99	305	0	252	-5	248.4	68.8	25.9	0.0	317.2	1
1B	111	-13365	92	305	0	252	2	248.4	66.8	25.9	0.0	315.2	1
1C	111	-13365	-99	-212	0	-242	-5	248.4	66.1	18.0	0.0	314.5	1
1D	111	-13365	92	-212	0	-242	2	248.4	64.1	18.0	0.0	312.6	1
1E	111	11379	-99	305	0	252	-5	211.5	68.8	25.9	0.0	280.3	1
1F	111	11379	92	305	0	252	2	211.5	66.8	25.9	0.0	278.3	1
1G	111	11379	-99	-212	0	-242	-5	211.5	66.1	18.0	0.0	277.6	1
1H	111	11379	92	-212	0	-242	2	211.5	64.1	18.0	0.0	275.7	1
1I	111	-28765	-74	308	0	646	-11	534.7	174.4	26.1	0.0	709.0	1
1J	111	-28765	66	308	0	646	8	534.7	172.4	26.1	0.0	707.1	1
1K	111	-28765	-74	-214	0	-636	-11	534.7	171.7	18.2	0.0	706.4	1
1L	111	-28765	66	-214	0	-636	8	534.7	169.7	18.2	0.0	704.4	1
1M	111	26779	-74	308	0	646	-11	497.8	174.4	26.1	0.0	672.1	1
1N	111	26779	66	308	0	646	8	497.8	172.4	26.1	0.0	670.2	1
1O	111	26779	-74	-214	0	-636	-11	497.8	171.7	18.2	0.0	669.5	1
1P	111	26779	66	-214	0	-636	8	497.8	169.7	18.2	0.0	667.5	1
2	111	-9877	-24	16	0	-170	-4	183.6	47.2	1.4	0.0	230.8	1
7	111	-9879	-24	16	0	-171	-5	183.6	47.3	1.4	0.0	230.9	1
8	111	-7345	-18	30	0	-118	-4	136.5	33.2	2.5	0.0	169.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-13411	414	62	23	23	14	1.03	1.00	409.9	
1B	-13411	414	59	23	23	14	1.03	1.00	408.3	
1C	-13411	342	62	23	23	14	1.03	1.00	391.2	
1D	-13411	342	59	23	23	14	1.03	1.00	389.6	
1E	11379	414	62	23	23	14	1.00	1.00	364.1	
1F	11379	414	59	23	23	14	1.00	1.00	362.5	
1G	11379	342	62	23	23	14	1.00	1.00	345.5	
1H	11379	342	59	23	23	14	1.00	1.00	343.9	
1I	-28811	838	38	23	23	14	1.03	1.00	797.5	
1J	-28811	838	36	23	23	14	1.03	1.00	795.8	
1K	-28811	766	38	23	23	14	1.03	1.00	778.7	
1L	-28811	766	36	23	23	14	1.03	1.00	777.1	
1M	26779	838	38	23	23	14	1.00	1.00	742.1	
1N	26779	838	36	23	23	14	1.00	1.00	740.5	
1O	26779	766	38	23	23	14	1.00	1.00	723.5	
1P	26779	766	36	23	23	14	1.00	1.00	721.9	
2	-9938	195	11	23	23	14	1.03	1.00	249.3	
7	-9940	196	12	23	23	14	1.03	1.00	249.5	
8	-7406	124	8	23	23	14	1.03	1.00	180.0	

ASTA NUM. 467 NI 162 NF 163 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-11986	-12	70	0	320	8	222.8	88.3	5.9	0.0	311.1	1
1B	0	-11986	15	70	0	320	-11	222.8	90.8	5.9	0.0	313.6	1
1C	0	-11986	-12	-191	0	-321	8	222.8	88.6	16.2	0.0	311.3	1
1D	0	-11986	15	-191	0	-321	-11	222.8	91.0	16.2	0.0	313.8	1
1E	0	9852	-12	70	0	320	8	183.1	88.3	5.9	0.0	271.5	1
1F	0	9852	15	70	0	320	-11	183.1	90.8	5.9	0.0	273.9	1
1G	0	9852	-12	-191	0	-321	8	183.1	88.6	16.2	0.0	271.7	1
1H	0	9852	15	-191	0	-321	-11	183.1	91.0	16.2	0.0	274.2	1
1I	0	-28194	-21	169	0	814	6	524.0	214.2	14.4	0.0	738.3	1
1J	0	-28194	24	169	0	814	-10	524.0	216.7	14.4	0.0	740.7	1
1K	0	-28194	-21	-291	0	-815	6	524.0	214.4	24.6	0.0	738.5	1
1L	0	-28194	24	-291	0	-815	-10	524.0	216.9	24.6	0.0	741.0	1
1M	0	26060	-21	169	0	814	6	484.4	214.2	14.4	0.0	698.6	1
1N	0	26060	24	169	0	814	-10	484.4	216.7	14.4	0.0	701.1	1
1O	0	26060	-21	-291	0	-815	6	484.4	214.4	24.6	0.0	698.8	1
1P	0	26060	24	-291	0	-815	-10	484.4	216.9	24.6	0.0	701.3	1
2	0	-9722	13	-226	0	-251	-7	180.7	69.4	19.2	0.0	250.1	1
7	0	-9728	13	-226	0	-251	-6	180.8	69.5	19.2	0.0	250.3	1
8	0	-7264	10	-182	0	-177	-5	135.0	49.4	15.5	0.0	184.4	1
1A	55	-11962	-12	70	0	327	14	222.4	94.7	5.9	0.0	317.1	1
1B	55	-11962	15	70	0	327	-16	222.4	96.2	5.9	0.0	318.5	1
1C	55	-11962	-12	-191	0	-261	14	222.4	77.7	16.2	0.0	300.0	1
1D	55	-11962	15	-191	0	-261	-16	222.4	79.1	16.2	0.0	301.5	1
1E	55	9876	-12	70	0	327	14	183.6	94.7	5.9	0.0	278.3	1
1F	55	9876	15	70	0	327	-16	183.6	96.2	5.9	0.0	279.7	1
1G	55	9876	-12	-191	0	-261	14	183.6	77.7	16.2	0.0	261.2	1
1H	55	9876	15	-191	0	-261	-16	183.6	79.1	16.2	0.0	262.7	1
1I	55	-28170	-21	169	0	735	-8	523.6	194.8	14.4	0.0	718.4	1
1J	55	-28170	24	169	0	735	6	523.6	193.4	14.4	0.0	717.0	1
1K	55	-28170	-21	-291	0	-668	-8	523.6	177.8	24.6	0.0	701.4	1
1L	55	-28170	24	-291	0	-668	6	523.6	176.3	24.6	0.0	699.9	1
1M	55	26083	-21	169	0	735	-8	484.8	194.8	14.4	0.0	679.6	1
1N	55	26083	24	169	0	735	6	484.8	193.4	14.4	0.0	678.2	1
1O	55	26083	-21	-291	0	-668	-8	484.8	177.8	24.6	0.0	662.6	1
1P	55	26083	24	-291	0	-668	6	484.8	176.3	24.6	0.0	661.1	1
2	55	-9692	13	-172	0	-140	1	180.1	36.8	14.6	0.0	216.9	1
7	55	-9698	13	-172	0	-141	1	180.3	36.8	14.6	0.0	217.1	1
8	55	-7234	10	-145	0	-86	0	134.5	22.4	12.3	0.0	156.8	1
1A	111	-11939	-12	70	0	334	20	221.9	101.1	5.9	0.0	323.0	1
1B	111	-11939	15	70	0	334	-21	221.9	101.5	5.9	0.0	323.4	1
1C	111	-11939	-12	-191	0	-201	20	221.9	66.8	16.2	0.0	288.7	1
1D	111	-11939	15	-191	0	-201	-21	221.9	67.2	16.2	0.0	289.1	1
1E	111	9899	-12	70	0	334	20	184.0	101.1	5.9	0.0	285.1	1
1F	111	9899	15	70	0	334	-21	184.0	101.5	5.9	0.0	285.5	1
1G	111	9899	-12	-191	0	-201	20	184.0	66.8	16.2	0.0	250.8	1
1H	111	9899	15	-191	0	-201	-21	184.0	67.2	16.2	0.0	251.2	1
1I	111	-28147	-21	169	0	655	-22	523.2	184.7	14.4	0.0	707.9	1
1J	111	-28147	24	169	0	655	21	523.2	184.3	14.4	0.0	707.4	1
1K	111	-28147	-21	-291	0	-521	-22	523.2	150.4	24.6	0.0	673.6	1
1L	111	-28147	24	-291	0	-521	21	523.2	150.0	24.6	0.0	673.1	1
1M	111	26107	-21	169	0	655	-22	485.3	184.7	14.4	0.0	670.0	1
1N	111	26107	24	169	0	655	21	485.3	184.3	14.4	0.0	669.5	1
1O	111	26107	-21	-291	0	-521	-22	485.3	150.4	24.6	0.0	635.7	1
1P	111	26107	24	-291	0	-521	21	485.3	150.0	24.6	0.0	635.2	1
2	111	-9661	13	-118	0	-60	8	179.6	21.5	10.0	0.0	201.1	1
7	111	-9667	13	-118	0	-60	8	179.7	21.6	10.0	0.0	201.3	1
8	111	-7203	10	-107	0	-17	6	133.9	8.6	9.0	0.0	142.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-11986	329	15	23	23	14	1.03	1.00	325.7	
1B	-11986	329	17	23	23	14	1.03	1.00	327.0	
1C	-11986	273	15	23	23	14	1.03	1.00	311.3	
1D	-11986	273	17	23	23	14	1.03	1.00	312.6	
1E	9899	329	15	23	23	14	1.00	1.00	280.0	
1F	9899	329	17	23	23	14	1.00	1.00	281.2	
1G	9899	273	15	23	23	14	1.00	1.00	265.7	
1H	9899	273	17	23	23	14	1.00	1.00	266.9	
1I	-28194	751	11	23	23	14	1.03	1.00	741.9	
1J	-28194	751	9	23	23	14	1.03	1.00	740.6	
1K	-28194	698	11	23	23	14	1.03	1.00	728.2	
1L	-28194	698	9	23	23	14	1.03	1.00	726.9	
1M	26107	751	11	23	23	14	1.00	1.00	686.3	
1N	26107	751	9	23	23	14	1.00	1.00	685.0	
1O	26107	698	11	23	23	14	1.00	1.00	672.7	
1P	26107	698	9	23	23	14	1.00	1.00	671.4	
2	-9722	175	3	23	23	14	1.03	1.00	233.6	
7	-9728	175	3	23	23	14	1.03	1.00	233.8	
8	-7264	113	2	23	23	14	1.03	1.00	169.8	

ASTA NUM. 468 NI 163 NF 164 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						

1A	0	-8886	-18	275	0	431	21	165.2	126.9	23.3	0.0	292.1	1
1B	0	-8886	17	275	0	431	-23	165.2	128.2	23.3	0.0	293.3	1
1C	0	-8886	-18	-186	0	-309	21	165.2	95.5	15.7	0.0	260.7	1
1D	0	-8886	17	-186	0	-309	-23	165.2	96.8	15.7	0.0	262.0	1
1E	0	7278	-18	275	0	431	21	135.3	126.9	23.3	0.0	262.2	1
1F	0	7278	17	275	0	431	-23	135.3	128.2	23.3	0.0	263.4	1
1G	0	7278	-18	-186	0	-309	21	135.3	95.5	15.7	0.0	230.8	1
1H	0	7278	17	-186	0	-309	-23	135.3	96.8	15.7	0.0	232.1	1
1I	0	-19463	-27	365	0	826	24	361.8	230.5	31.0	0.0	592.3	1
1J	0	-19463	26	365	0	826	-26	361.8	231.8	31.0	0.0	593.6	1
1K	0	-19463	-27	-276	0	-704	24	361.8	199.2	23.4	0.0	560.9	1
1L	0	-19463	26	-276	0	-704	-26	361.8	200.4	23.4	0.0	562.2	1
1M	0	17855	-27	365	0	826	24	331.9	230.5	31.0	0.0	562.4	1
1N	0	17855	26	365	0	826	-26	331.9	231.8	31.0	0.0	563.7	1
1O	0	17855	-27	-276	0	-704	24	331.9	199.2	23.4	0.0	531.0	1
1P	0	17855	26	-276	0	-704	-26	331.9	200.4	23.4	0.0	532.3	1
2	0	-5879	-12	-103	0	-132	7	109.3	39.1	8.7	0.0	148.3	1
7	0	-5880	-12	-103	0	-133	7	109.3	39.2	8.8	0.0	148.5	1
8	0	-4458	-8	-55	0	-70	4	82.9	21.3	4.7	0.0	104.1	1
1A	55	-8863	-18	275	0	298	14	164.7	87.0	23.3	0.0	251.8	1
1B	55	-8863	17	275	0	298	-16	164.7	88.6	23.3	0.0	253.3	1
1C	55	-8863	-18	-186	0	-226	14	164.7	68.4	15.7	0.0	233.1	1
1D	55	-8863	17	-186	0	-226	-16	164.7	69.9	15.7	0.0	234.7	1
1E	55	7301	-18	275	0	298	14	135.7	87.0	23.3	0.0	222.7	1
1F	55	7301	17	275	0	298	-16	135.7	88.6	23.3	0.0	224.3	1
1G	55	7301	-18	-186	0	-226	14	135.7	68.4	15.7	0.0	204.1	1
1H	55	7301	17	-186	0	-226	-16	135.7	69.9	15.7	0.0	205.6	1
1I	55	-19440	-27	365	0	630	7	361.3	167.7	31.0	0.0	529.1	1
1J	55	-19440	26	365	0	630	-9	361.3	169.2	31.0	0.0	530.6	1
1K	55	-19440	-27	-276	0	-558	7	361.3	149.1	23.4	0.0	510.4	1
1L	55	-19440	26	-276	0	-558	-9	361.3	150.6	23.4	0.0	511.9	1
1M	55	17878	-27	365	0	630	7	332.3	167.7	31.0	0.0	500.0	1
1N	55	17878	26	365	0	630	-9	332.3	169.2	31.0	0.0	501.5	1
1O	55	17878	-27	-276	0	-558	7	332.3	149.1	23.4	0.0	481.4	1
1P	55	17878	26	-276	0	-558	-9	332.3	150.6	23.4	0.0	482.9	1
2	55	-5848	-12	-49	0	-90	0	108.7	23.4	4.1	0.0	132.2	1
7	55	-5850	-12	-49	0	-90	0	108.7	23.5	4.2	0.0	132.3	1
8	55	-4428	-8	-17	0	-50	-0	82.3	12.9	1.4	0.0	95.2	1
1A	111	-8840	-18	275	0	166	6	164.3	47.2	23.3	0.0	211.5	1
1B	111	-8840	17	275	0	166	-8	164.3	48.9	23.3	0.0	213.3	1
1C	111	-8840	-18	-186	0	-143	6	164.3	41.3	15.7	0.0	205.6	1
1D	111	-8840	17	-186	0	-143	-8	164.3	43.0	15.7	0.0	207.3	1
1E	111	7324	-18	275	0	166	6	136.1	47.2	23.3	0.0	183.3	1
1F	111	7324	17	275	0	166	-8	136.1	48.9	23.3	0.0	185.1	1
1G	111	7324	-18	-186	0	-143	6	136.1	41.3	15.7	0.0	177.4	1
1H	111	7324	17	-186	0	-143	-8	136.1	43.0	15.7	0.0	179.2	1
1I	111	-19416	-27	365	0	434	-9	360.9	118.5	31.0	0.0	479.4	1
1J	111	-19416	26	365	0	434	7	360.9	116.7	31.0	0.0	477.6	1
1K	111	-19416	-27	-276	0	-411	-9	360.9	112.6	23.4	0.0	473.5	1
1L	111	-19416	26	-276	0	-411	7	360.9	110.8	23.4	0.0	471.7	1
1M	111	17902	-27	365	0	434	-9	332.7	118.5	31.0	0.0	451.2	1
1N	111	17902	26	365	0	434	7	332.7	116.7	31.0	0.0	449.4	1
1O	111	17902	-27	-276	0	-411	-9	332.7	112.6	23.4	0.0	445.3	1
1P	111	17902	26	-276	0	-411	7	332.7	110.8	23.4	0.0	443.5	1
2	111	-5818	-12	5	0	-78	-6	108.1	24.7	0.5	0.0	132.8	1
7	111	-5820	-12	5	0	-78	-6	108.2	24.7	0.4	0.0	132.9	1
8	111	-4397	-8	21	0	-51	-5	81.7	16.6	1.8	0.0	98.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8886	325	15	23	23	14	1.03	1.00	265.3	
1B	-8886	325	17	23	23	14	1.03	1.00	266.8	
1C	-8886	242	15	23	23	14	1.03	1.00	244.1	
1D	-8886	242	17	23	23	14	1.03	1.00	245.6	
1E	7324	325	15	23	23	14	1.00	1.00	231.2	
1F	7324	325	17	23	23	14	1.00	1.00	232.6	
1G	7324	242	15	23	23	14	1.00	1.00	210.0	
1H	7324	242	17	23	23	14	1.00	1.00	211.4	
1I	-19463	669	11	23	23	14	1.03	1.00	553.6	
1J	-19463	669	13	23	23	14	1.03	1.00	555.0	
1K	-19463	587	11	23	23	14	1.03	1.00	532.3	
1L	-19463	587	13	23	23	14	1.03	1.00	533.8	
1M	17902	669	11	23	23	14	1.00	1.00	513.0	
1N	17902	669	13	23	23	14	1.00	1.00	514.5	
1O	17902	587	11	23	23	14	1.00	1.00	491.8	
1P	17902	587	13	23	23	14	1.00	1.00	493.3	
2	-5879	111	3	23	23	14	1.03	1.00	143.1	
7	-5880	111	3	23	23	14	1.03	1.00	143.2	
8	-4458	62	2	23	23	14	1.03	1.00	102.8	

ASTA NUM. 469 NI 164 NF 165 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7568	-15	45	0	233	5	140.7	63.6	3.8	0.0	204.3	1	

1B	0	-7568	17	45	0	233	-8	140.7	66.1	3.8	0.0	206.8	1
1C	0	-7568	-15	-166	0	-221	5	140.7	60.5	14.1	0.0	201.2	1
1D	0	-7568	17	-166	0	-221	-8	140.7	63.1	14.1	0.0	203.7	1
1E	0	5904	-15	45	0	233	5	109.7	63.6	3.8	0.0	173.3	1
1F	0	5904	17	45	0	233	-8	109.7	66.1	3.8	0.0	175.8	1
1G	0	5904	-15	-166	0	-221	5	109.7	60.5	14.1	0.0	170.3	1
1H	0	5904	17	-166	0	-221	-8	109.7	63.1	14.1	0.0	172.8	1
1I	0	-18933	-22	185	0	594	6	351.9	157.1	15.7	0.0	509.1	1
1J	0	-18933	24	185	0	594	-9	351.9	159.7	15.7	0.0	511.6	1
1K	0	-18933	-22	-306	0	-582	6	351.9	154.1	26.0	0.0	506.0	1
1L	0	-18933	24	-306	0	-582	-9	351.9	156.6	26.0	0.0	508.5	1
1M	0	17268	-22	185	0	594	6	321.0	157.1	15.7	0.0	478.1	1
1N	0	17268	24	185	0	594	-9	321.0	159.7	15.7	0.0	480.6	1
1O	0	17268	-22	-306	0	-582	6	321.0	154.1	26.0	0.0	475.1	1
1P	0	17268	24	-306	0	-582	-9	321.0	156.6	26.0	0.0	477.6	1
2	0	-5745	7	-212	0	-142	-6	106.8	41.1	18.0	0.0	147.9	1
7	0	-5750	7	-212	0	-143	-6	106.9	41.2	18.0	0.0	148.0	1
8	0	-4373	5	-172	0	-98	-5	81.3	28.9	14.6	0.0	110.2	1
1A	55	-7545	-15	45	0	221	-6	140.2	61.4	3.8	0.0	201.6	1
1B	55	-7545	17	45	0	221	4	140.2	59.8	3.8	0.0	200.0	1
1C	55	-7545	-15	-166	0	-142	-6	140.2	41.1	14.1	0.0	181.4	1
1D	55	-7545	17	-166	0	-142	4	140.2	39.5	14.1	0.0	179.7	1
1E	55	5927	-15	45	0	221	-6	110.2	61.4	3.8	0.0	171.6	1
1F	55	5927	17	45	0	221	4	110.2	59.8	3.8	0.0	169.9	1
1G	55	5927	-15	-166	0	-142	-6	110.2	41.1	14.1	0.0	151.3	1
1H	55	5927	17	-166	0	-142	4	110.2	39.5	14.1	0.0	149.6	1
1I	55	-18910	-22	185	0	495	-7	351.5	133.0	15.7	0.0	484.5	1
1J	55	-18910	24	185	0	495	5	351.5	131.3	15.7	0.0	482.8	1
1K	55	-18910	-22	-306	0	-416	-7	351.5	112.7	26.0	0.0	464.2	1
1L	55	-18910	24	-306	0	-416	5	351.5	111.1	26.0	0.0	462.6	1
1M	55	17291	-22	185	0	495	-7	321.4	133.0	15.7	0.0	454.4	1
1N	55	17291	24	185	0	495	5	321.4	131.3	15.7	0.0	452.7	1
1O	55	17291	-22	-306	0	-416	-7	321.4	112.7	26.0	0.0	434.1	1
1P	55	17291	24	-306	0	-416	5	321.4	111.1	26.0	0.0	432.5	1
2	55	-5714	7	-158	0	-40	-2	106.2	12.0	13.4	0.0	118.2	1
7	55	-5720	7	-158	0	-40	-2	106.3	12.1	13.4	0.0	118.4	1
8	55	-4343	5	-134	0	-13	-2	80.7	4.9	11.4	0.0	85.6	3
1A	111	-7522	-15	45	0	209	-17	139.8	66.3	3.8	0.0	206.2	1
1B	111	-7522	17	45	0	209	16	139.8	65.6	3.8	0.0	205.4	1
1C	111	-7522	-15	-166	0	-63	-17	139.8	28.8	14.1	0.0	168.7	1
1D	111	-7522	17	-166	0	-63	16	139.8	28.1	14.1	0.0	167.9	1
1E	111	5950	-15	45	0	209	-17	110.6	66.3	3.8	0.0	176.9	1
1F	111	5950	17	45	0	209	16	110.6	65.6	3.8	0.0	176.2	1
1G	111	5950	-15	-166	0	-63	-17	110.6	28.8	14.1	0.0	139.4	1
1H	111	5950	17	-166	0	-63	16	110.6	28.1	14.1	0.0	138.7	1
1I	111	-18886	-22	185	0	397	-21	351.0	117.5	15.7	0.0	468.6	1
1J	111	-18886	24	185	0	397	20	351.0	116.8	15.7	0.0	467.8	1
1K	111	-18886	-22	-306	0	-251	-21	351.0	80.0	26.0	0.0	431.1	1
1L	111	-18886	24	-306	0	-251	20	351.0	79.3	26.0	0.0	430.3	1
1M	111	17315	-22	185	0	397	-21	321.8	117.5	15.7	0.0	439.4	1
1N	111	17315	24	185	0	397	20	321.8	116.8	15.7	0.0	438.6	1
1O	111	17315	-22	-306	0	-251	-21	321.8	80.0	26.0	0.0	401.9	1
1P	111	17315	24	-306	0	-251	20	321.8	79.3	26.0	0.0	401.1	1
2	111	-5684	7	-104	0	32	1	105.7	9.4	8.8	0.0	115.0	1
7	111	-5689	7	-104	0	32	1	105.7	9.3	8.8	0.0	115.1	1
8	111	-4313	5	-96	0	51	1	80.2	13.7	8.2	0.0	93.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7568	224	8	23	23	14	1.03	1.00	208.6	
1B	-7568	224	6	23	23	14	1.03	1.00	207.2	
1C	-7568	158	8	23	23	14	1.03	1.00	191.8	
1D	-7568	158	6	23	23	14	1.03	1.00	190.4	
1E	5950	224	8	23	23	14	1.00	1.00	174.2	
1F	5950	224	6	23	23	14	1.00	1.00	172.8	
1G	5950	158	8	23	23	14	1.00	1.00	157.4	
1H	5950	158	6	23	23	14	1.00	1.00	156.0	
1I	-18933	515	10	23	23	14	1.03	1.00	503.0	
1J	-18933	515	8	23	23	14	1.03	1.00	501.6	
1K	-18933	449	10	23	23	14	1.03	1.00	486.1	
1L	-18933	449	8	23	23	14	1.03	1.00	484.7	
1M	17315	515	10	23	23	14	1.00	1.00	461.9	
1N	17315	515	8	23	23	14	1.00	1.00	460.4	
1O	17315	449	10	23	23	14	1.00	1.00	445.1	
1P	17315	449	8	23	23	14	1.00	1.00	443.6	
2	-5745	73	3	23	23	14	1.03	1.00	130.9	
7	-5750	73	3	23	23	14	1.03	1.00	131.1	
8	-4373	39	3	23	23	14	1.03	1.00	95.7	

ASTA NUM. 470 NI 165 NF 166 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4755	-16	220	0	300	6	88.4	81.5	18.7	0.0	169.9	1	
1B	0	-4755	12	220	0	300	-8	88.4	82.8	18.7	0.0	171.1	1	

1C	0	-4755	-16	-135	0	-165	6	88.4	47.0	11.4	0.0	135.3	1
1D	0	-4755	12	-135	0	-165	-8	88.4	48.2	11.4	0.0	136.5	1
1E	0	3595	-16	220	0	300	6	66.8	81.5	18.7	0.0	148.4	1
1F	0	3595	12	220	0	300	-8	66.8	82.8	18.7	0.0	149.6	1
1G	0	3595	-16	-135	0	-165	6	66.8	47.0	11.4	0.0	113.8	1
1H	0	3595	12	-135	0	-165	-8	66.8	48.2	11.4	0.0	115.0	1
1I	0	-10526	-22	331	0	561	12	195.6	153.5	28.1	0.0	349.1	1
1J	0	-10526	17	331	0	561	-14	195.6	154.7	28.1	0.0	350.3	1
1K	0	-10526	-22	-246	0	-426	12	195.6	118.9	20.9	0.0	314.5	1
1L	0	-10526	17	-246	0	-426	-14	195.6	120.1	20.9	0.0	315.7	1
1M	0	9366	-22	331	0	561	12	174.1	153.5	28.1	0.0	327.5	1
1N	0	9366	17	331	0	561	-14	174.1	154.7	28.1	0.0	328.8	1
1O	0	9366	-22	-246	0	-426	12	174.1	118.9	20.9	0.0	293.0	1
1P	0	9366	17	-246	0	-426	-14	174.1	120.1	20.9	0.0	294.2	1
2	0	-2758	-11	-80	0	-25	4	51.3	9.2	6.8	0.0	60.5	1
7	0	-2759	-11	-81	0	-26	4	51.3	9.3	6.8	0.0	60.6	1
8	0	-2172	-9	-40	0	8	2	40.4	3.7	3.4	0.0	44.1	1
1A	55	-4731	-16	220	0	196	-4	87.9	53.6	18.7	0.0	141.5	1
1B	55	-4731	12	220	0	196	0	87.9	50.4	18.7	0.0	138.4	1
1C	55	-4731	-16	-135	0	-109	-4	87.9	31.1	11.4	0.0	119.1	1
1D	55	-4731	12	-135	0	-109	0	87.9	28.0	11.4	0.0	116.0	1
1E	55	3619	-16	220	0	196	-4	67.3	53.6	18.7	0.0	120.8	1
1F	55	3619	12	220	0	196	0	67.3	50.4	18.7	0.0	117.7	1
1G	55	3619	-16	-135	0	-109	-4	67.3	31.1	11.4	0.0	98.4	1
1H	55	3619	12	-135	0	-109	0	67.3	28.0	11.4	0.0	95.3	1
1I	55	-10502	-22	331	0	383	-0	195.2	98.7	28.1	0.0	293.9	1
1J	55	-10502	17	331	0	383	-4	195.2	101.4	28.1	0.0	296.6	1
1K	55	-10502	-22	-246	0	-296	-0	195.2	76.3	20.9	0.0	271.5	1
1L	55	-10502	17	-246	0	-296	-4	195.2	78.9	20.9	0.0	274.1	1
1M	55	9389	-22	331	0	383	-0	174.5	98.7	28.1	0.0	273.2	1
1N	55	9389	17	331	0	383	-4	174.5	101.4	28.1	0.0	275.9	1
1O	55	9389	-22	-246	0	-296	-0	174.5	76.3	20.9	0.0	250.8	1
1P	55	9389	17	-246	0	-296	-4	174.5	78.9	20.9	0.0	253.4	1
2	55	-2728	-11	-26	0	4	-3	50.7	3.1	2.2	0.0	53.8	1
7	55	-2729	-11	-27	0	4	-3	50.7	3.1	2.2	0.0	53.8	1
8	55	-2142	-9	-2	0	19	-3	39.8	7.0	0.3	0.0	46.8	1
1A	111	-4708	-16	220	0	92	-14	87.5	34.4	18.7	0.0	121.9	1
1B	111	-4708	12	220	0	92	8	87.5	29.3	18.7	0.0	116.9	1
1C	111	-4708	-16	-135	0	-52	-14	87.5	24.1	11.4	0.0	111.6	1
1D	111	-4708	12	-135	0	-52	8	87.5	19.1	11.4	0.0	106.6	1
1E	111	3642	-16	220	0	92	-14	67.7	34.4	18.7	0.0	102.1	1
1F	111	3642	12	220	0	92	8	67.7	29.3	18.7	0.0	97.0	1
1G	111	3642	-16	-135	0	-52	-14	67.7	24.1	11.4	0.0	91.8	1
1H	111	3642	12	-135	0	-52	8	67.7	19.1	11.4	0.0	86.8	1
1I	111	-10479	-22	331	0	205	-13	194.8	62.3	28.1	0.0	257.1	1
1J	111	-10479	17	331	0	205	6	194.8	57.3	28.1	0.0	252.1	1
1K	111	-10479	-22	-246	0	-165	-13	194.8	52.0	20.9	0.0	246.8	1
1L	111	-10479	17	-246	0	-165	6	194.8	47.0	20.9	0.0	241.8	1
1M	111	9413	-22	331	0	205	-13	175.0	62.3	28.1	0.0	237.3	1
1N	111	9413	17	331	0	205	6	175.0	57.3	28.1	0.0	232.2	1
1O	111	9413	-22	-246	0	-165	-13	175.0	52.0	20.9	0.0	227.0	1
1P	111	9413	17	-246	0	-165	6	175.0	47.0	20.9	0.0	222.0	1
2	111	-2697	-11	28	0	4	-9	50.1	7.7	2.4	0.0	57.8	1
7	111	-2699	-11	28	0	4	-9	50.2	7.7	2.3	0.0	57.9	1
8	111	-2111	-9	36	0	10	-8	39.2	8.3	3.0	0.0	47.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4755	217	6	23	23	14	1.03	1.00	151.5	
1B	-4755	217	3	23	23	14	1.03	1.00	149.1	
1C	-4755	120	6	23	23	14	1.03	1.00	126.6	
1D	-4755	120	3	23	23	14	1.03	1.00	124.2	
1E	3642	217	6	23	23	14	1.00	1.00	128.1	
1F	3642	217	3	23	23	14	1.00	1.00	125.7	
1G	3642	120	6	23	23	14	1.00	1.00	103.3	
1H	3642	120	3	23	23	14	1.00	1.00	100.9	
1I	-10526	418	5	23	23	14	1.03	1.00	313.2	
1J	-10526	418	6	23	23	14	1.03	1.00	313.8	
1K	-10526	322	5	23	23	14	1.03	1.00	288.3	
1L	-10526	322	6	23	23	14	1.03	1.00	288.8	
1M	9413	418	5	23	23	14	1.00	1.00	286.5	
1N	9413	418	6	23	23	14	1.00	1.00	287.0	
1O	9413	322	5	23	23	14	1.00	1.00	261.6	
1P	9413	322	6	23	23	14	1.00	1.00	262.1	
2	-2758	14	4	23	23	14	1.03	1.00	59.3	
7	-2759	14	4	23	23	14	1.03	1.00	59.4	
8	-2172	9	4	23	23	14	1.03	1.00	46.7	

ASTA NUM. 471 NI 166 NF 167 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4044	-31	71	0	147	18	75.2	50.8	6.0	0.0	126.0	1	
1B	0	-4044	53	71	0	147	-25	75.2	56.1	6.0	0.0	131.2	1	
1C	0	-4044	-31	-229	0	-117	18	75.2	43.2	19.4	0.0	118.3	1	

1D	0	-4044	53	-229	0	-117	-25	75.2	48.4	19.4	0.0	123.6	1
1E	0	2822	-31	71	0	147	18	52.4	50.8	6.0	0.0	103.3	1
1F	0	2822	53	71	0	147	-25	52.4	56.1	6.0	0.0	108.5	1
1G	0	2822	-31	-229	0	-117	18	52.4	43.2	19.4	0.0	95.6	1
1H	0	2822	53	-229	0	-117	-25	52.4	48.4	19.4	0.0	100.8	1
1I	0	-10169	-26	203	0	353	16	189.0	102.8	17.2	0.0	291.8	1
1J	0	-10169	48	203	0	353	-23	189.0	108.0	17.2	0.0	297.0	1
1K	0	-10169	-26	-361	0	-323	16	189.0	95.1	30.6	0.0	284.1	1
1L	0	-10169	48	-361	0	-323	-23	189.0	100.4	30.6	0.0	289.4	1
1M	0	8946	-26	203	0	353	16	166.3	102.8	17.2	0.0	269.1	1
1N	0	8946	48	203	0	353	-23	166.3	108.0	17.2	0.0	274.3	1
1O	0	8946	-26	-361	0	-323	16	166.3	95.1	30.6	0.0	261.4	1
1P	0	8946	48	-361	0	-323	-23	166.3	100.4	30.6	0.0	266.6	1
2	0	-2699	15	-219	0	-45	-6	50.2	16.5	18.6	0.0	67.1	3
7	0	-2704	15	-220	0	-46	-7	50.3	16.7	18.6	0.0	67.3	3
8	0	-2141	15	-185	0	-26	-6	39.8	11.2	15.7	0.0	51.9	3
1A	55	-4021	-31	71	0	95	0	74.7	24.4	6.0	0.0	99.1	1
1B	55	-4021	53	71	0	95	5	74.7	28.1	6.0	0.0	102.9	1
1C	55	-4021	-31	-229	0	23	0	74.7	5.8	19.4	0.0	85.3	3
1D	55	-4021	53	-229	0	23	5	74.7	9.6	19.4	0.0	85.5	3
1E	55	2845	-31	71	0	95	0	52.9	24.4	6.0	0.0	77.3	1
1F	55	2845	53	71	0	95	5	52.9	28.1	6.0	0.0	81.0	1
1G	55	2845	-31	-229	0	23	0	52.9	5.8	19.4	0.0	65.3	3
1H	55	2845	53	-229	0	23	5	52.9	9.6	19.4	0.0	65.5	3
1I	55	-10145	-26	203	0	255	1	188.6	66.6	17.2	0.0	255.2	1
1J	55	-10145	48	203	0	255	4	188.6	68.3	17.2	0.0	256.9	1
1K	55	-10145	-26	-361	0	-138	1	188.6	36.4	30.6	0.0	225.2	3
1L	55	-10145	48	-361	0	-138	4	188.6	38.1	30.6	0.0	226.7	1
1M	55	8970	-26	203	0	255	1	166.7	66.6	17.2	0.0	233.4	1
1N	55	8970	48	203	0	255	4	166.7	68.3	17.2	0.0	235.0	1
1O	55	8970	-26	-361	0	-138	1	166.7	36.4	30.6	0.0	203.9	3
1P	55	8970	48	-361	0	-138	4	166.7	38.1	30.6	0.0	204.8	1
2	55	-2669	15	-165	0	61	2	49.6	17.0	14.0	0.0	67.2	3
7	55	-2674	15	-166	0	61	2	49.7	17.0	14.0	0.0	67.3	3
8	55	-2111	15	-147	0	65	2	39.2	18.5	12.4	0.0	57.8	1
1A	111	-3997	-31	71	0	43	-18	74.3	24.1	6.0	0.0	98.5	1
1B	111	-3997	53	71	0	43	35	74.3	36.9	6.0	0.0	111.2	1
1C	111	-3997	-31	-229	0	162	-18	74.3	54.8	19.4	0.0	129.1	1
1D	111	-3997	53	-229	0	162	35	74.3	67.5	19.4	0.0	141.8	1
1E	111	2868	-31	71	0	43	-18	53.3	24.1	6.0	0.0	77.5	1
1F	111	2868	53	71	0	43	35	53.3	36.9	6.0	0.0	90.2	1
1G	111	2868	-31	-229	0	162	-18	53.3	54.8	19.4	0.0	108.1	1
1H	111	2868	53	-229	0	162	35	53.3	67.5	19.4	0.0	120.9	1
1I	111	-10122	-26	203	0	157	-13	188.1	50.2	17.2	0.0	238.4	1
1J	111	-10122	48	203	0	157	30	188.1	63.0	17.2	0.0	251.1	1
1K	111	-10122	-26	-361	0	48	-13	188.1	22.2	30.6	0.0	210.4	1
1L	111	-10122	48	-361	0	48	30	188.1	35.0	30.6	0.0	223.2	1
1M	111	8993	-26	203	0	157	-13	167.2	50.2	17.2	0.0	217.4	1
1N	111	8993	48	203	0	157	30	167.2	63.0	17.2	0.0	230.2	1
1O	111	8993	-26	-361	0	48	-13	167.2	22.2	30.6	0.0	189.4	1
1P	111	8993	48	-361	0	48	30	167.2	35.0	30.6	0.0	202.2	1
2	111	-2639	15	-111	0	137	10	49.1	42.9	9.4	0.0	91.9	1
7	111	-2643	15	-111	0	138	10	49.1	42.9	9.4	0.0	92.1	1
8	111	-2081	15	-109	0	136	10	38.7	42.8	9.2	0.0	81.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4044	105	7	23	23	14	1.03	1.00	109.7	
1B	-4044	105	14	23	23	14	1.03	1.00	114.9	
1C	-4044	65	7	23	23	14	1.03	1.00	99.4	
1D	-4044	65	14	23	23	14	1.03	1.00	104.5	
1E	2868	105	7	23	23	14	1.00	1.00	85.6	
1F	2868	105	14	23	23	14	1.00	1.00	90.7	
1G	2868	65	7	23	23	14	1.00	1.00	75.2	
1H	2868	65	14	23	23	14	1.00	1.00	80.3	
1I	-10169	275	6	23	23	14	1.03	1.00	270.3	
1J	-10169	275	12	23	23	14	1.03	1.00	274.5	
1K	-10169	175	6	23	23	14	1.03	1.00	244.5	
1L	-10169	175	12	23	23	14	1.03	1.00	248.8	
1M	8993	275	6	23	23	14	1.00	1.00	242.6	
1N	8993	275	12	23	23	14	1.00	1.00	246.9	
1O	8993	175	6	23	23	14	1.00	1.00	216.9	
1P	8993	175	12	23	23	14	1.00	1.00	221.2	
2	-2699	64	4	23	23	14	1.03	1.00	71.2	
7	-2704	64	4	23	23	14	1.03	1.00	71.3	
8	-2141	71	4	23	23	14	1.03	1.00	62.4	

ASTA NUM. 472 NI 167 NF 168 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1970	-318	240	0	172	41	36.6	75.0	20.3	0.0	111.6	1	
1B	0	-1970	176	240	0	172	-20	36.6	59.5	20.3	0.0	96.1	1	
1C	0	-1970	-318	-158	0	33	41	36.6	39.3	13.4	0.0	75.9	1	
1D	0	-1970	176	-158	0	33	-20	36.6	23.8	13.4	0.0	60.4	1	

1E	0	414	-318	240	0	172	41	7.7	75.0	20.3	0.0	82.7	1
1F	0	414	176	240	0	172	-20	7.7	59.5	20.3	0.0	67.2	1
1G	0	414	-318	-158	0	33	41	7.7	39.3	13.4	0.0	47.0	1
1H	0	414	176	-158	0	33	-20	7.7	23.8	13.4	0.0	31.5	1
1I	0	-3048	-187	397	0	284	29	56.7	94.6	33.6	0.0	151.2	1
1J	0	-3048	45	397	0	284	-8	56.7	79.1	33.6	0.0	135.7	1
1K	0	-3048	-187	-315	0	-78	29	56.7	41.7	26.7	0.0	98.4	1
1L	0	-3048	45	-315	0	-78	-8	56.7	26.2	26.7	0.0	85.4	3
1M	0	1492	-187	397	0	284	29	27.7	94.6	33.6	0.0	122.3	1
1N	0	1492	45	397	0	284	-8	27.7	79.1	33.6	0.0	106.8	1
1O	0	1492	-187	-315	0	-78	29	27.7	41.7	26.7	0.0	69.5	1
1P	0	1492	45	-315	0	-78	-8	27.7	26.2	26.7	0.0	61.7	3
2	0	-1202	-94	-68	0	104	15	22.3	38.3	5.8	0.0	60.6	1
7	0	-1203	-94	-68	0	104	15	22.4	38.3	5.8	0.0	60.6	1
8	0	-1148	-94	-32	0	112	15	21.3	40.2	3.5	0.0	61.5	1
1A	55	-1947	-318	240	0	27	-136	36.2	108.5	20.3	0.0	144.7	1
1B	55	-1947	176	240	0	27	78	36.2	65.0	20.3	0.0	101.2	1
1C	55	-1947	-318	-158	0	133	-136	36.2	135.9	13.4	0.0	172.1	1
1D	55	-1947	176	-158	0	133	78	36.2	92.4	13.4	0.0	128.6	1
1E	55	437	-318	240	0	27	-136	8.1	108.5	20.3	0.0	116.6	1
1F	55	437	176	240	0	27	78	8.1	65.0	20.3	0.0	73.1	1
1G	55	437	-318	-158	0	133	-136	8.1	135.9	13.4	0.0	144.0	1
1H	55	437	176	-158	0	133	78	8.1	92.4	13.4	0.0	100.5	1
1I	55	-3025	-187	397	0	61	-76	56.2	72.4	33.6	0.0	128.7	1
1J	55	-3025	45	397	0	61	18	56.2	28.9	33.6	0.0	87.5	3
1K	55	-3025	-187	-315	0	100	-76	56.2	82.5	26.7	0.0	138.8	1
1L	55	-3025	45	-315	0	100	18	56.2	39.0	26.7	0.0	95.3	1
1M	55	1516	-187	397	0	61	-76	28.2	72.4	33.6	0.0	100.6	1
1N	55	1516	45	397	0	61	18	28.2	28.9	33.6	0.0	66.9	3
1O	55	1516	-187	-315	0	100	-76	28.2	82.5	26.7	0.0	110.7	1
1P	55	1516	45	-315	0	100	18	28.2	39.0	26.7	0.0	67.2	1
2	55	-1172	-94	-14	0	126	-37	21.8	59.9	3.5	0.0	81.7	1
7	55	-1172	-94	-14	0	127	-37	21.8	60.1	3.5	0.0	81.9	1
8	55	-1118	-94	6	0	120	-37	20.8	58.5	3.5	0.0	79.3	1
1A	111	-1923	-318	240	0	-118	-312	35.7	264.2	20.3	0.0	300.0	1
1B	111	-1923	176	240	0	-118	176	35.7	161.8	20.3	0.0	197.5	1
1C	111	-1923	-318	-158	0	234	-312	35.7	294.0	13.4	0.0	329.7	1
1D	111	-1923	176	-158	0	234	176	35.7	191.5	13.4	0.0	227.2	1
1E	111	461	-318	240	0	-118	-312	8.6	264.2	20.3	0.0	272.8	1
1F	111	461	176	240	0	-118	176	8.6	161.8	20.3	0.0	170.3	1
1G	111	461	-318	-158	0	234	-312	8.6	294.0	13.4	0.0	302.5	1
1H	111	461	176	-158	0	234	176	8.6	191.5	13.4	0.0	200.0	1
1I	111	-3002	-187	397	0	-163	-181	55.8	177.1	33.6	0.0	232.9	1
1J	111	-3002	45	397	0	-163	44	55.8	74.6	33.6	0.0	130.4	1
1K	111	-3002	-187	-315	0	278	-181	55.8	206.8	26.7	0.0	262.6	1
1L	111	-3002	45	-315	0	278	44	55.8	104.3	26.7	0.0	160.1	1
1M	111	1539	-187	397	0	-163	-181	28.6	177.1	33.6	0.0	205.7	1
1N	111	1539	45	397	0	-163	44	28.6	74.6	33.6	0.0	103.2	1
1O	111	1539	-187	-315	0	278	-181	28.6	206.8	26.7	0.0	235.4	1
1P	111	1539	45	-315	0	278	44	28.6	104.3	26.7	0.0	132.9	1
2	111	-1141	-94	40	0	119	-89	21.2	97.0	3.5	0.0	118.2	1
7	111	-1142	-94	40	0	119	-89	21.2	97.3	3.5	0.0	118.5	1
8	111	-1088	-94	43	0	106	-89	20.2	93.9	3.7	0.0	114.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1970	69	171	23	23	14	1.03	1.00	183.6	
1B	-1970	69	97	23	23	14	1.03	1.00	128.2	
1C	-1970	154	171	23	23	14	1.03	1.00	205.4	
1D	-1970	154	97	23	23	14	1.03	1.00	150.0	
1E	461	69	171	23	23	14	1.00	1.00	154.3	
1F	461	69	97	23	23	14	1.00	1.00	99.0	
1G	461	154	171	23	23	14	1.00	1.00	176.1	
1H	461	154	97	23	23	14	1.00	1.00	120.8	
1I	-3048	114	97	23	23	14	1.03	1.00	160.2	
1J	-3048	114	23	23	23	14	1.03	1.00	104.8	
1K	-3048	135	97	23	23	14	1.03	1.00	165.9	
1L	-3048	135	23	23	23	14	1.03	1.00	110.5	
1M	1539	114	97	23	23	14	1.00	1.00	130.3	
1N	1539	114	23	23	23	14	1.00	1.00	75.1	
1O	1539	135	97	23	23	14	1.00	1.00	136.0	
1P	1539	135	23	23	23	14	1.00	1.00	80.7	
2	-1202	113	47	23	23	14	1.03	1.00	87.3	
7	-1203	113	47	23	23	14	1.03	1.00	87.5	
8	-1148	110	47	23	23	14	1.03	1.00	85.7	

ASTA NUM. 473 NI 168 NF 972 Lungh. 10.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2861	-4123	309	0	232	151	53.2	172.9	154.6	0.0	292.4	3	
1B	0	-2861	3285	309	0	232	-298	53.2	283.0	123.2	0.0	336.2	1	
1C	0	-2861	-4123	9	0	-66	151	53.2	130.2	154.6	0.0	277.4	3	
1D	0	-2861	3285	9	0	-66	-298	53.2	240.3	123.2	0.0	293.5	1	
1E	0	1015	-4123	309	0	232	151	18.9	172.9	154.6	0.0	281.3	3	

1F	0	1015	3285	309	0	232	-298	18.9	283.0	123.2	0.0	301.9	1
1G	0	1015	-4123	9	0	-66	151	18.9	130.2	154.6	0.0	270.5	3
1H	0	1015	3285	9	0	-66	-298	18.9	240.3	123.2	0.0	259.2	1
1I	0	-3310	-1711	453	0	225	24	61.5	76.0	64.2	0.0	169.7	3
1J	0	-3310	873	453	0	225	-171	61.5	186.1	38.4	0.0	247.6	1
1K	0	-3310	-1711	-134	0	-59	24	61.5	33.2	64.2	0.0	135.6	3
1L	0	-3310	873	-134	0	-59	-171	61.5	143.4	32.7	0.0	204.9	1
1M	0	1464	-1711	453	0	225	24	27.2	76.0	64.2	0.0	148.9	3
1N	0	1464	873	453	0	225	-171	27.2	186.1	38.4	0.0	213.3	1
1O	0	1464	-1711	-134	0	-59	24	27.2	33.2	64.2	0.0	119.9	3
1P	0	1464	873	-134	0	-59	-171	27.2	143.4	32.7	0.0	170.6	1
2	0	-1402	-452	167	0	136	-95	26.1	105.8	16.9	0.0	131.9	1
7	0	-1405	-450	167	0	136	-95	26.1	106.1	16.9	0.0	132.2	1
8	0	-1345	-488	180	0	127	-95	25.0	104.1	18.3	0.0	129.1	1
1A	5	-2859	-4123	309	0	229	323	53.1	300.9	154.6	0.0	354.0	1
1B	5	-2859	3285	309	0	229	-515	53.1	444.5	123.2	0.0	497.6	1
1C	5	-2859	-4123	9	0	-80	323	53.1	262.5	154.6	0.0	315.7	1
1D	5	-2859	3285	9	0	-80	-515	53.1	406.1	123.2	0.0	459.3	1
1E	5	1017	-4123	309	0	229	323	18.9	300.9	154.6	0.0	319.8	1
1F	5	1017	3285	309	0	229	-515	18.9	444.5	123.2	0.0	463.4	1
1G	5	1017	-4123	9	0	-80	323	18.9	262.5	154.6	0.0	281.4	1
1H	5	1017	3285	9	0	-80	-515	18.9	406.1	123.2	0.0	425.0	1
1I	5	-3308	-1711	453	0	232	60	61.5	104.2	64.2	0.0	171.2	3
1J	5	-3308	873	453	0	232	-251	61.5	247.8	38.4	0.0	309.3	1
1K	5	-3308	-1711	-134	0	-82	60	61.5	65.8	64.2	0.0	139.2	3
1L	5	-3308	873	-134	0	-82	-251	61.5	209.4	32.7	0.0	270.9	1
1M	5	1466	-1711	453	0	232	60	27.2	104.2	64.2	0.0	150.1	3
1N	5	1466	873	453	0	232	-251	27.2	247.8	38.4	0.0	275.0	1
1O	5	1466	-1711	-134	0	-82	60	27.2	65.8	64.2	0.0	122.2	3
1P	5	1466	873	-134	0	-82	-251	27.2	209.4	32.7	0.0	236.7	1
2	5	-1399	-452	172	0	127	-119	26.0	121.5	16.9	0.0	147.5	1
7	5	-1403	-450	172	0	127	-119	26.1	121.7	16.9	0.0	147.8	1
8	5	-1342	-488	183	0	118	-121	24.9	121.1	18.3	0.0	146.0	1
1A	11	-2857	-4123	309	0	227	495	53.1	428.8	154.6	0.0	481.9	1
1B	11	-2857	3285	309	0	227	-732	53.1	605.9	123.2	0.0	659.0	1
1C	11	-2857	-4123	9	0	-95	495	53.1	394.8	154.6	0.0	447.9	1
1D	11	-2857	3285	9	0	-95	-732	53.1	571.9	123.2	0.0	625.0	1
1E	11	1019	-4123	309	0	227	495	18.9	428.8	154.6	0.0	447.8	1
1F	11	1019	3285	309	0	227	-732	18.9	605.9	123.2	0.0	624.9	1
1G	11	1019	-4123	9	0	-95	495	18.9	394.8	154.6	0.0	413.8	1
1H	11	1019	3285	9	0	-95	-732	18.9	571.9	123.2	0.0	590.9	1
1I	11	-3306	-1711	453	0	238	95	61.4	132.4	64.2	0.0	193.8	1
1J	11	-3306	873	453	0	238	-332	61.4	309.5	38.4	0.0	370.9	1
1K	11	-3306	-1711	-134	0	-106	95	61.4	98.4	64.2	0.0	159.8	1
1L	11	-3306	873	-134	0	-106	-332	61.4	275.5	32.7	0.0	336.9	1
1M	11	1468	-1711	453	0	238	95	27.3	132.4	64.2	0.0	159.7	1
1N	11	1468	873	453	0	238	-332	27.3	309.5	38.4	0.0	336.8	1
1O	11	1468	-1711	-134	0	-106	95	27.3	98.4	64.2	0.0	125.7	1
1P	11	1468	873	-134	0	-106	-332	27.3	275.5	32.7	0.0	302.8	1
2	11	-1396	-452	178	0	117	-143	25.9	137.1	16.9	0.0	163.1	1
7	11	-1400	-450	178	0	117	-143	26.0	137.3	16.9	0.0	163.3	1
8	11	-1339	-488	187	0	108	-147	24.9	138.0	18.3	0.0	162.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2861	230	357	3	3	2	1.00	1.00	380.0	
1B	-2861	230	558	3	3	2	1.00	1.00	530.4	
1C	-2861	83	357	3	3	2	1.00	1.00	342.2	
1D	-2861	83	558	3	3	2	1.00	1.00	492.6	
1E	1019	230	357	3	3	2	1.00	1.00	345.7	
1F	1019	230	558	3	3	2	1.00	1.00	496.0	
1G	1019	83	357	3	3	2	1.00	1.00	307.9	
1H	1019	83	558	3	3	2	1.00	1.00	458.2	
1I	-3310	233	67	3	3	2	1.00	1.00	171.4	
1J	-3310	233	267	3	3	2	1.00	1.00	321.7	
1K	-3310	87	67	3	3	2	1.00	1.00	133.9	
1L	-3310	87	267	3	3	2	1.00	1.00	284.2	
1M	1468	233	67	3	3	2	1.00	1.00	137.1	
1N	1468	233	267	3	3	2	1.00	1.00	287.4	
1O	1468	87	67	3	3	2	1.00	1.00	99.6	
1P	1468	87	267	3	3	2	1.00	1.00	249.9	
2	-1402	128	124	3	3	2	1.00	1.00	151.6	
7	-1405	128	124	3	3	2	1.00	1.00	151.9	
8	-1345	120	126	3	3	2	1.00	1.00	150.5	

ASTA NUM. 474 NI 141 NF 142 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-17959	-21	188	0	345	35	333.8	115.3	15.9	0.0	449.1	1	
1B	0	-17959	19	188	0	345	-35	333.8	115.3	15.9	0.0	449.2	1	
1C	0	-17959	-21	-130	0	-267	35	333.8	95.0	11.1	0.0	428.9	1	
1D	0	-17959	19	-130	0	-267	-35	333.8	95.1	11.1	0.0	428.9	1	
1E	0	16833	-21	188	0	345	35	312.9	115.3	15.9	0.0	428.2	1	
1F	0	16833	19	188	0	345	-35	312.9	115.3	15.9	0.0	428.2	1	

1G	0	16833	-21	-130	0	-267	35	312.9	95.0	11.1	0.0	407.9	1
1H	0	16833	19	-130	0	-267	-35	312.9	95.1	11.1	0.0	408.0	1
1I	0	-30042	-36	184	0	796	37	558.4	232.4	15.6	0.0	790.8	1
1J	0	-30042	34	184	0	796	-37	558.4	232.5	15.6	0.0	790.9	1
1K	0	-30042	-36	-127	0	-717	37	558.4	212.2	10.7	0.0	770.6	1
1L	0	-30042	34	-127	0	-717	-37	558.4	212.2	10.7	0.0	770.6	1
1M	0	28917	-36	184	0	796	37	537.5	232.4	15.6	0.0	769.9	1
1N	0	28917	34	184	0	796	-37	537.5	232.5	15.6	0.0	770.0	1
1O	0	28917	-36	-127	0	-717	37	537.5	212.2	10.7	0.0	749.7	1
1P	0	28917	34	-127	0	-717	-37	537.5	212.2	10.7	0.0	749.7	1
2	0	-9228	-18	-285	0	-252	16	171.5	77.0	24.1	0.0	248.5	1
7	0	-9251	-18	-284	0	-252	16	172.0	76.9	24.1	0.0	248.9	1
8	0	-6738	-13	-188	0	-163	11	125.2	50.5	16.0	0.0	175.7	1
1A	55	-17935	-21	188	0	348	26	333.4	108.9	15.9	0.0	442.3	1
1B	55	-17935	19	188	0	348	-27	333.4	109.9	15.9	0.0	443.2	1
1C	55	-17935	-21	-130	0	-301	26	333.4	96.9	11.1	0.0	430.2	1
1D	55	-17935	19	-130	0	-301	-27	333.4	97.8	11.1	0.0	431.2	1
1E	55	16857	-21	188	0	348	26	313.3	108.9	15.9	0.0	422.2	1
1F	55	16857	19	188	0	348	-27	313.3	109.9	15.9	0.0	423.2	1
1G	55	16857	-21	-130	0	-301	26	313.3	96.9	11.1	0.0	410.2	1
1H	55	16857	19	-130	0	-301	-27	313.3	97.8	11.1	0.0	411.1	1
1I	55	-30019	-36	184	0	726	12	558.0	195.9	15.6	0.0	753.9	1
1J	55	-30019	34	184	0	726	-13	558.0	196.8	15.6	0.0	754.8	1
1K	55	-30019	-36	-127	0	-679	12	558.0	183.8	10.7	0.0	741.8	1
1L	55	-30019	34	-127	0	-679	-13	558.0	184.8	10.7	0.0	742.8	1
1M	55	28940	-36	184	0	726	12	537.9	195.9	15.6	0.0	733.8	1
1N	55	28940	34	184	0	726	-13	537.9	196.8	15.6	0.0	734.8	1
1O	55	28940	-36	-127	0	-679	12	537.9	183.8	10.7	0.0	721.7	1
1P	55	28940	34	-127	0	-679	-13	537.9	184.8	10.7	0.0	722.7	1
2	55	-9198	-18	-122	0	-140	6	171.0	40.7	10.4	0.0	211.6	1
7	55	-9220	-18	-122	0	-139	6	171.4	40.7	10.3	0.0	212.0	1
8	55	-6708	-13	-75	0	-90	4	124.7	26.4	6.3	0.0	151.1	1
1A	111	-17912	-21	188	0	351	16	332.9	102.5	15.9	0.0	435.5	1
1B	111	-17912	19	188	0	351	-19	332.9	104.4	15.9	0.0	437.3	1
1C	111	-17912	-21	-130	0	-336	16	332.9	98.7	11.1	0.0	431.6	1
1D	111	-17912	19	-130	0	-336	-19	332.9	100.5	11.1	0.0	433.5	1
1E	111	16880	-21	188	0	351	16	313.8	102.5	15.9	0.0	416.3	1
1F	111	16880	19	188	0	351	-19	313.8	104.4	15.9	0.0	418.1	1
1G	111	16880	-21	-130	0	-336	16	313.8	98.7	11.1	0.0	412.4	1
1H	111	16880	19	-130	0	-336	-19	313.8	100.5	11.1	0.0	414.3	1
1I	111	-29995	-36	184	0	656	-13	557.5	178.3	15.6	0.0	735.8	1
1J	111	-29995	34	184	0	656	10	557.5	176.4	15.6	0.0	734.0	1
1K	111	-29995	-36	-127	0	-641	-13	557.5	174.4	10.7	0.0	732.0	1
1L	111	-29995	34	-127	0	-641	10	557.5	172.6	10.7	0.0	730.1	1
1M	111	28963	-36	184	0	656	-13	538.4	178.3	15.6	0.0	716.6	1
1N	111	28963	34	184	0	656	10	538.4	176.4	15.6	0.0	714.8	1
1O	111	28963	-36	-127	0	-641	-13	538.4	174.4	10.7	0.0	712.8	1
1P	111	28963	34	-127	0	-641	10	538.4	172.6	10.7	0.0	710.9	1
2	111	-9168	-18	40	0	-117	-3	170.4	32.7	3.4	0.0	203.1	1
7	111	-9190	-18	41	0	-117	-3	170.8	32.7	3.4	0.0	203.5	1
8	111	-6677	-13	39	0	-80	-3	124.1	22.8	3.3	0.0	146.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-17959	349	28	23	23	14	1.03	1.00	454.8	
1B	-17959	349	29	23	23	14	1.03	1.00	455.5	
1C	-17959	308	28	23	23	14	1.03	1.00	444.3	
1D	-17959	308	29	23	23	14	1.03	1.00	445.1	
1E	16880	349	28	23	23	14	1.00	1.00	424.2	
1F	16880	349	29	23	23	14	1.00	1.00	425.0	
1G	16880	308	28	23	23	14	1.00	1.00	413.8	
1H	16880	308	29	23	23	14	1.00	1.00	414.6	
1I	-30042	740	17	23	23	14	1.03	1.00	779.5	
1J	-30042	740	18	23	23	14	1.03	1.00	780.3	
1K	-30042	687	17	23	23	14	1.03	1.00	765.8	
1L	-30042	687	18	23	23	14	1.03	1.00	766.6	
1M	28963	740	17	23	23	14	1.00	1.00	741.6	
1N	28963	740	18	23	23	14	1.00	1.00	742.3	
1O	28963	687	17	23	23	14	1.00	1.00	727.9	
1P	28963	687	18	23	23	14	1.00	1.00	728.6	
2	-9228	198	8	23	23	14	1.03	1.00	234.0	
7	-9251	198	8	23	23	14	1.03	1.00	234.4	
8	-6738	130	6	23	23	14	1.03	1.00	166.7	

ASTA NUM. 475 NI 142 NF 143 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-15360	-14	141	0	392	20	285.5	116.2	11.9	0.0	401.7	1	
1B	0	-15360	12	141	0	392	-21	285.5	116.7	11.9	0.0	402.2	1	
1C	0	-15360	-14	-213	0	-382	20	285.5	113.5	18.0	0.0	399.0	1	
1D	0	-15360	12	-213	0	-382	-21	285.5	114.0	18.0	0.0	399.5	1	
1E	0	14612	-14	141	0	392	20	271.6	116.2	11.9	0.0	387.8	1	
1F	0	14612	12	141	0	392	-21	271.6	116.7	11.9	0.0	388.3	1	
1G	0	14612	-14	-213	0	-382	20	271.6	113.5	18.0	0.0	385.1	1	

1H	0	14612	12	-213	0	-382	-21	271.6	114.0	18.0	0.0	385.6	1
1I	0	-28138	-20	232	0	796	8	523.0	210.7	19.6	0.0	733.7	1
1J	0	-28138	18	232	0	796	-9	523.0	211.2	19.6	0.0	734.3	1
1K	0	-28138	-20	-304	0	-785	8	523.0	208.1	25.7	0.0	731.1	1
1L	0	-28138	18	-304	0	-785	-9	523.0	208.6	25.7	0.0	731.6	1
1M	0	27391	-20	232	0	796	8	509.1	210.7	19.6	0.0	719.9	1
1N	0	27391	18	232	0	796	-9	509.1	211.2	19.6	0.0	720.4	1
1O	0	27391	-20	-304	0	-785	8	509.1	208.1	25.7	0.0	717.2	1
1P	0	27391	18	-304	0	-785	-9	509.1	208.6	25.7	0.0	717.7	1
2	0	-8469	10	-346	0	-228	-4	157.4	61.7	29.3	0.0	219.1	1
7	0	-8486	10	-347	0	-228	-4	157.7	61.7	29.4	0.0	219.4	1
8	0	-6133	7	-257	0	-159	-3	114.0	43.2	21.8	0.0	157.2	1
1A	55	-15336	-14	141	0	318	19	285.1	95.9	11.9	0.0	381.0	1
1B	55	-15336	12	141	0	318	-20	285.1	97.1	11.9	0.0	382.1	1
1C	55	-15336	-14	-213	0	-268	19	285.1	83.0	18.0	0.0	368.1	1
1D	55	-15336	12	-213	0	-268	-20	285.1	84.2	18.0	0.0	369.2	1
1E	55	14636	-14	141	0	318	19	272.0	95.9	11.9	0.0	367.9	1
1F	55	14636	12	141	0	318	-20	272.0	97.1	11.9	0.0	369.1	1
1G	55	14636	-14	-213	0	-268	19	272.0	83.0	18.0	0.0	355.0	1
1H	55	14636	12	-213	0	-268	-20	272.0	84.2	18.0	0.0	356.2	1
1I	55	-28115	-20	232	0	669	-7	522.6	177.2	19.6	0.0	699.7	1
1J	55	-28115	18	232	0	669	5	522.6	176.0	19.6	0.0	698.6	1
1K	55	-28115	-20	-304	0	-619	-7	522.6	164.3	25.7	0.0	686.8	1
1L	55	-28115	18	-304	0	-619	5	522.6	163.1	25.7	0.0	685.7	1
1M	55	27414	-20	232	0	669	-7	509.6	177.2	19.6	0.0	686.7	1
1N	55	27414	18	232	0	669	5	509.6	176.0	19.6	0.0	685.6	1
1O	55	27414	-20	-304	0	-619	-7	509.6	164.3	25.7	0.0	673.8	1
1P	55	27414	18	-304	0	-619	5	509.6	163.1	25.7	0.0	672.6	1
2	55	-8438	10	-184	0	-81	1	156.8	21.9	15.6	0.0	178.8	1
7	55	-8456	10	-185	0	-81	1	157.2	21.8	15.6	0.0	179.0	1
8	55	-6102	7	-143	0	-49	1	113.4	13.0	12.1	0.0	126.4	1
1A	111	-15313	-14	141	0	244	17	284.6	75.6	11.9	0.0	360.3	1
1B	111	-15313	12	141	0	244	-20	284.6	77.5	11.9	0.0	362.1	1
1C	111	-15313	-14	-213	0	-154	17	284.6	52.5	18.0	0.0	337.1	1
1D	111	-15313	12	-213	0	-154	-20	284.6	54.3	18.0	0.0	338.9	1
1E	111	14659	-14	141	0	244	17	272.5	75.6	11.9	0.0	348.1	1
1F	111	14659	12	141	0	244	-20	272.5	77.5	11.9	0.0	349.9	1
1G	111	14659	-14	-213	0	-154	17	272.5	52.5	18.0	0.0	325.0	1
1H	111	14659	12	-213	0	-154	-20	272.5	54.3	18.0	0.0	326.8	1
1I	111	-28091	-20	232	0	542	-22	522.1	155.5	19.6	0.0	677.7	1
1J	111	-28091	18	232	0	542	19	522.1	153.7	19.6	0.0	675.8	1
1K	111	-28091	-20	-304	0	-452	-22	522.1	132.4	25.7	0.0	654.5	1
1L	111	-28091	18	-304	0	-452	19	522.1	130.5	25.7	0.0	652.7	1
1M	111	27438	-20	232	0	542	-22	510.0	155.5	19.6	0.0	665.5	1
1N	111	27438	18	232	0	542	19	510.0	153.7	19.6	0.0	663.7	1
1O	111	27438	-20	-304	0	-452	-22	510.0	132.4	25.7	0.0	642.4	1
1P	111	27438	18	-304	0	-452	19	510.0	130.5	25.7	0.0	640.5	1
2	111	-8408	10	-21	0	-25	7	156.3	11.4	1.8	0.0	167.7	1
7	111	-8426	10	-22	0	-24	7	156.6	11.2	1.9	0.0	167.8	1
8	111	-6072	7	-29	0	-1	4	112.9	3.5	2.5	0.0	116.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-15360	333	19	23	23	14	1.03	1.00	394.4	
1B	-15360	333	21	23	23	14	1.03	1.00	395.4	
1C	-15360	291	19	23	23	14	1.03	1.00	383.5	
1D	-15360	291	21	23	23	14	1.03	1.00	384.5	
1E	14659	333	19	23	23	14	1.00	1.00	372.4	
1F	14659	333	21	23	23	14	1.00	1.00	373.5	
1G	14659	291	19	23	23	14	1.00	1.00	361.6	
1H	14659	291	21	23	23	14	1.00	1.00	362.6	
1I	-28138	694	10	23	23	14	1.03	1.00	725.6	
1J	-28138	694	8	23	23	14	1.03	1.00	724.3	
1K	-28138	652	10	23	23	14	1.03	1.00	714.7	
1L	-28138	652	8	23	23	14	1.03	1.00	713.4	
1M	27438	694	10	23	23	14	1.00	1.00	695.9	
1N	27438	694	8	23	23	14	1.00	1.00	694.6	
1O	27438	652	10	23	23	14	1.00	1.00	685.0	
1P	27438	652	8	23	23	14	1.00	1.00	683.7	
2	-8469	146	3	23	23	14	1.03	1.00	201.9	
7	-8486	146	3	23	23	14	1.03	1.00	202.2	
8	-6133	96	2	23	23	14	1.03	1.00	143.4	

ASTA NUM. 476 NI 143 NF 144 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10590	-15	148	0	296	18	196.8	89.7	12.5	0.0	286.6	1	
1B	0	-10590	11	148	0	296	-18	196.8	89.7	12.5	0.0	286.6	1	
1C	0	-10590	-15	-104	0	-211	18	196.8	68.0	8.8	0.0	264.9	1	
1D	0	-10590	11	-104	0	-211	-18	196.8	68.0	8.8	0.0	264.9	1	
1E	0	10458	-15	148	0	296	18	194.4	89.7	12.5	0.0	284.1	1	
1F	0	10458	11	148	0	296	-18	194.4	89.7	12.5	0.0	284.1	1	
1G	0	10458	-15	-104	0	-211	18	194.4	68.0	8.8	0.0	262.4	1	
1H	0	10458	11	-104	0	-211	-18	194.4	68.0	8.8	0.0	262.4	1	

1I	0	-19039	-25	254	0	680	22	353.9	191.5	21.5	0.0	545.4	1
1J	0	-19039	22	254	0	680	-22	353.9	191.5	21.5	0.0	545.4	1
1K	0	-19039	-25	-210	0	-596	22	353.9	169.9	17.8	0.0	523.8	1
1L	0	-19039	22	-210	0	-596	-22	353.9	169.9	17.8	0.0	523.8	1
1M	0	18907	-25	254	0	680	22	351.4	191.5	21.5	0.0	543.0	1
1N	0	18907	22	254	0	680	-22	351.4	191.5	21.5	0.0	543.0	1
1O	0	18907	-25	-210	0	-596	22	351.4	169.9	17.8	0.0	521.3	1
1P	0	18907	22	-210	0	-596	-22	351.4	169.9	17.8	0.0	521.3	1
2	0	-3323	-12	-265	0	-113	7	61.8	34.3	22.5	0.0	96.1	1
7	0	-3326	-13	-265	0	-112	7	61.8	34.2	22.5	0.0	96.0	1
8	0	-2392	-10	-178	0	-64	5	44.5	20.3	15.1	0.0	64.7	1
1A	55	-10567	-15	148	0	257	12	196.4	75.1	12.5	0.0	271.5	1
1B	55	-10567	11	148	0	257	-14	196.4	76.7	12.5	0.0	273.1	1
1C	55	-10567	-15	-104	0	-197	12	196.4	59.7	8.8	0.0	256.1	1
1D	55	-10567	11	-104	0	-197	-14	196.4	61.3	8.8	0.0	257.7	1
1E	55	10481	-15	148	0	257	12	194.8	75.1	12.5	0.0	269.9	1
1F	55	10481	11	148	0	257	-14	194.8	76.7	12.5	0.0	271.5	1
1G	55	10481	-15	-104	0	-197	12	194.8	59.7	8.8	0.0	254.5	1
1H	55	10481	11	-104	0	-197	-14	194.8	61.3	8.8	0.0	256.1	1
1I	55	-19016	-25	254	0	552	6	353.5	146.8	21.5	0.0	500.3	1
1J	55	-19016	22	254	0	552	-8	353.5	148.4	21.5	0.0	501.9	1
1K	55	-19016	-25	-210	0	-492	6	353.5	131.4	17.8	0.0	484.9	1
1L	55	-19016	22	-210	0	-492	-8	353.5	133.0	17.8	0.0	486.4	1
1M	55	18930	-25	254	0	552	6	351.9	146.8	21.5	0.0	498.7	1
1N	55	18930	22	254	0	552	-8	351.9	148.4	21.5	0.0	500.3	1
1O	55	18930	-25	-210	0	-492	6	351.9	131.4	17.8	0.0	483.3	1
1P	55	18930	22	-210	0	-492	-8	351.9	133.0	17.8	0.0	484.8	1
2	55	-3292	-12	-103	0	-11	0	61.2	3.0	8.7	0.0	65.1	3
7	55	-3296	-13	-103	0	-10	0	61.3	2.8	8.7	0.0	65.1	3
8	55	-2362	-10	-64	0	3	-0	43.9	0.9	5.4	0.0	45.3	3
1A	111	-10544	-15	148	0	218	6	196.0	60.5	12.5	0.0	256.4	1
1B	111	-10544	11	148	0	218	-10	196.0	63.6	12.5	0.0	259.6	1
1C	111	-10544	-15	-104	0	-183	6	196.0	51.3	8.8	0.0	247.3	1
1D	111	-10544	11	-104	0	-183	-10	196.0	54.5	8.8	0.0	250.5	1
1E	111	10504	-15	148	0	218	6	195.2	60.5	12.5	0.0	255.7	1
1F	111	10504	11	148	0	218	-10	195.2	63.6	12.5	0.0	258.9	1
1G	111	10504	-15	-104	0	-183	6	195.2	51.3	8.8	0.0	246.5	1
1H	111	10504	11	-104	0	-183	-10	195.2	54.5	8.8	0.0	249.7	1
1I	111	-18993	-25	254	0	425	-10	353.0	116.4	21.5	0.0	469.4	1
1J	111	-18993	22	254	0	425	5	353.0	113.2	21.5	0.0	466.2	1
1K	111	-18993	-25	-210	0	-389	-10	353.0	107.2	17.8	0.0	460.2	1
1L	111	-18993	22	-210	0	-389	5	353.0	104.0	17.8	0.0	457.1	1
1M	111	18953	-25	254	0	425	-10	352.3	116.4	21.5	0.0	468.7	1
1N	111	18953	22	254	0	425	5	352.3	113.2	21.5	0.0	465.5	1
1O	111	18953	-25	-210	0	-389	-10	352.3	107.2	17.8	0.0	459.5	1
1P	111	18953	22	-210	0	-389	5	352.3	104.0	17.8	0.0	456.3	1
2	111	-3262	-12	60	0	1	-7	60.6	5.3	5.1	0.0	65.9	1
7	111	-3266	-13	60	0	1	-7	60.7	5.4	5.1	0.0	66.1	1
8	111	-2331	-10	50	0	7	-6	43.3	5.9	4.2	0.0	49.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10590	265	13	23	23	14	1.03	1.00	280.9	
1B	-10590	265	15	23	23	14	1.03	1.00	282.2	
1C	-10590	200	13	23	23	14	1.03	1.00	264.2	
1D	-10590	200	15	23	23	14	1.03	1.00	265.5	
1E	10504	265	13	23	23	14	1.00	1.00	273.3	
1F	10504	265	15	23	23	14	1.00	1.00	274.5	
1G	10504	200	13	23	23	14	1.00	1.00	256.6	
1H	10504	200	15	23	23	14	1.00	1.00	257.9	
1I	-19039	578	10	23	23	14	1.03	1.00	520.8	
1J	-19039	578	11	23	23	14	1.03	1.00	522.1	
1K	-19039	513	10	23	23	14	1.03	1.00	504.1	
1L	-19039	513	11	23	23	14	1.03	1.00	505.4	
1M	18953	578	10	23	23	14	1.00	1.00	508.1	
1N	18953	578	11	23	23	14	1.00	1.00	509.3	
1O	18953	513	10	23	23	14	1.00	1.00	491.4	
1P	18953	513	11	23	23	14	1.00	1.00	492.7	
2	-3323	67	3	23	23	14	1.03	1.00	83.1	
7	-3326	67	3	23	23	14	1.03	1.00	83.0	
8	-2392	36	2	23	23	14	1.03	1.00	56.7	

ASTA NUM. 477 NI 144 NF 145 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8116	-22	97	0	250	7	150.9	69.7	8.2	0.0	220.5	1	
1B	0	-8116	18	97	0	250	-8	150.9	70.3	8.2	0.0	221.2	1	
1C	0	-8116	-22	-158	0	-220	7	150.9	61.8	13.4	0.0	212.7	1	
1D	0	-8116	18	-158	0	-220	-8	150.9	62.4	13.4	0.0	213.3	1	
1E	0	8360	-22	97	0	250	7	155.4	69.7	8.2	0.0	225.1	1	
1F	0	8360	18	97	0	250	-8	155.4	70.3	8.2	0.0	225.7	1	
1G	0	8360	-22	-158	0	-220	7	155.4	61.8	13.4	0.0	217.2	1	
1H	0	8360	18	-158	0	-220	-8	155.4	62.4	13.4	0.0	217.8	1	
1I	0	-17219	-30	224	0	552	9	320.1	149.0	19.0	0.0	469.1	1	

1J	0	-17219	27	224	0	552	-10	320.1	149.6	19.0	0.0	469.7	1
1K	0	-17219	-30	-285	0	-521	9	320.1	141.1	24.2	0.0	461.2	1
1L	0	-17219	27	-285	0	-521	-10	320.1	141.8	24.2	0.0	461.8	1
1M	0	17463	-30	224	0	552	9	324.6	149.0	19.0	0.0	473.6	1
1N	0	17463	27	224	0	552	-10	324.6	149.6	19.0	0.0	474.2	1
1O	0	17463	-30	-285	0	-521	9	324.6	141.1	24.2	0.0	465.7	1
1P	0	17463	27	-285	0	-521	-10	324.6	141.8	24.2	0.0	466.3	1
2	0	-2748	4	-276	0	-64	-5	51.1	19.9	23.4	0.0	75.1	3
7	0	-2747	4	-277	0	-64	-5	51.1	19.9	23.5	0.0	75.1	3
8	0	-1916	2	-206	0	-40	-3	35.6	12.8	17.4	0.0	52.3	3
1A	55	-8093	-22	97	0	197	-7	150.4	55.7	8.2	0.0	206.1	1
1B	55	-8093	18	97	0	197	4	150.4	53.7	8.2	0.0	204.1	1
1C	55	-8093	-22	-158	0	-132	-7	150.4	39.1	13.4	0.0	189.5	1
1D	55	-8093	18	-158	0	-132	4	150.4	37.1	13.4	0.0	187.5	1
1E	55	8383	-22	97	0	197	-7	155.8	55.7	8.2	0.0	211.5	1
1F	55	8383	18	97	0	197	4	155.8	53.7	8.2	0.0	209.5	1
1G	55	8383	-22	-158	0	-132	-7	155.8	39.1	13.4	0.0	194.9	1
1H	55	8383	18	-158	0	-132	4	155.8	37.1	13.4	0.0	192.9	1
1I	55	-17196	-30	224	0	428	-8	319.6	116.2	19.0	0.0	435.8	1
1J	55	-17196	27	224	0	428	5	319.6	114.2	19.0	0.0	433.8	1
1K	55	-17196	-30	-285	0	-364	-8	319.6	99.6	24.2	0.0	419.2	1
1L	55	-17196	27	-285	0	-364	5	319.6	97.6	24.2	0.0	417.2	1
1M	55	17486	-30	224	0	428	-8	325.0	116.2	19.0	0.0	441.2	1
1N	55	17486	27	224	0	428	5	325.0	114.2	19.0	0.0	439.2	1
1O	55	17486	-30	-285	0	-364	-8	325.0	99.6	24.2	0.0	424.6	1
1P	55	17486	27	-285	0	-364	5	325.0	97.6	24.2	0.0	422.6	1
2	55	-2718	4	-114	0	44	-2	50.5	13.0	9.6	0.0	63.5	1
7	55	-2716	4	-114	0	44	-2	50.5	13.2	9.7	0.0	63.7	1
8	55	-1886	2	-92	0	42	-2	35.0	12.4	7.8	0.0	47.5	1
1A	111	-8069	-22	97	0	144	-20	150.0	52.2	8.2	0.0	202.2	1
1B	111	-8069	18	97	0	144	16	150.0	48.9	8.2	0.0	198.9	1
1C	111	-8069	-22	-158	0	-45	-20	150.0	26.9	13.4	0.0	176.9	1
1D	111	-8069	18	-158	0	-45	16	150.0	23.5	13.4	0.0	173.5	1
1E	111	8407	-22	97	0	144	-20	156.3	52.2	8.2	0.0	208.5	1
1F	111	8407	18	97	0	144	16	156.3	48.9	8.2	0.0	205.1	1
1G	111	8407	-22	-158	0	-45	-20	156.3	26.9	13.4	0.0	183.1	1
1H	111	8407	18	-158	0	-45	16	156.3	23.5	13.4	0.0	179.8	1
1I	111	-17172	-30	224	0	305	-25	319.2	97.4	19.0	0.0	416.6	1
1J	111	-17172	27	224	0	305	21	319.2	94.0	19.0	0.0	413.2	1
1K	111	-17172	-30	-285	0	-206	-25	319.2	72.0	24.2	0.0	391.2	1
1L	111	-17172	27	-285	0	-206	21	319.2	68.7	24.2	0.0	387.9	1
1M	111	17510	-30	224	0	305	-25	325.5	97.4	19.0	0.0	422.9	1
1N	111	17510	27	224	0	305	21	325.5	94.0	19.0	0.0	419.5	1
1O	111	17510	-30	-285	0	-206	-25	325.5	72.0	24.2	0.0	397.5	1
1P	111	17510	27	-285	0	-206	21	325.5	68.7	24.2	0.0	394.1	1
2	111	-2688	4	49	0	62	-0	50.0	15.9	4.1	0.0	65.8	1
7	111	-2686	4	48	0	63	0	49.9	16.2	4.1	0.0	66.1	1
8	111	-1855	2	22	0	62	-1	34.5	16.5	1.8	0.0	51.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8116	208	9	23	23	14	1.03	1.00	216.0	
1B	-8116	208	6	23	23	14	1.03	1.00	213.7	
1C	-8116	150	9	23	23	14	1.03	1.00	201.1	
1D	-8116	150	6	23	23	14	1.03	1.00	198.8	
1E	8407	208	9	23	23	14	1.00	1.00	216.7	
1F	8407	208	6	23	23	14	1.00	1.00	214.5	
1G	8407	150	9	23	23	14	1.00	1.00	201.9	
1H	8407	150	6	23	23	14	1.00	1.00	199.6	
1I	-17219	453	12	23	23	14	1.03	1.00	455.2	
1J	-17219	453	8	23	23	14	1.03	1.00	453.0	
1K	-17219	395	12	23	23	14	1.03	1.00	440.3	
1L	-17219	395	8	23	23	14	1.03	1.00	438.0	
1M	17510	453	12	23	23	14	1.00	1.00	450.6	
1N	17510	453	8	23	23	14	1.00	1.00	448.3	
1O	17510	395	12	23	23	14	1.00	1.00	435.7	
1P	17510	395	8	23	23	14	1.00	1.00	433.5	
2	-2748	26	3	23	23	14	1.03	1.00	61.3	
7	-2747	26	3	23	23	14	1.03	1.00	61.2	
8	-1916	25	2	23	23	14	1.03	1.00	44.8	

ASTA NUM. 478 NI 145 NF 146 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3825	-19	110	0	187	12	71.1	57.1	9.4	0.0	128.2	1	
1B	0	-3825	13	110	0	187	-10	71.1	55.8	9.4	0.0	126.9	1	
1C	0	-3825	-19	-81	0	-95	12	71.1	33.4	6.9	0.0	104.5	1	
1D	0	-3825	13	-81	0	-95	-10	71.1	32.2	6.9	0.0	103.3	1	
1E	0	4680	-19	110	0	187	12	87.0	57.1	9.4	0.0	144.0	1	
1F	0	4680	13	110	0	187	-10	87.0	55.8	9.4	0.0	142.8	1	
1G	0	4680	-19	-81	0	-95	12	87.0	33.4	6.9	0.0	120.4	1	
1H	0	4680	13	-81	0	-95	-10	87.0	32.2	6.9	0.0	119.2	1	
1I	0	-8606	-17	238	0	432	12	160.0	119.8	20.2	0.0	279.8	1	
1J	0	-8606	11	238	0	432	-10	160.0	118.6	20.2	0.0	278.5	1	

1K	0	-8606	-17	-209	0	-340	12	160.0	96.2	17.7	0.0	256.1	1
1L	0	-8606	11	-209	0	-340	-10	160.0	94.9	17.7	0.0	254.9	1
1M	0	9461	-17	238	0	432	12	175.8	119.8	20.2	0.0	295.7	1
1N	0	9461	11	238	0	432	-10	175.8	118.6	20.2	0.0	294.4	1
1O	0	9461	-17	-209	0	-340	12	175.8	96.2	17.7	0.0	272.0	1
1P	0	9461	11	-209	0	-340	-10	175.8	94.9	17.7	0.0	270.8	1
2	0	-22	-10	-204	0	17	4	0.4	7.5	17.3	0.0	29.9	4
7	0	-8	-10	-204	0	18	4	0.1	7.7	17.3	0.0	29.9	4
8	0	130	-9	-138	0	29	3	2.4	9.9	11.7	0.0	20.4	4
1A	55	-3802	-19	110	0	139	1	70.7	36.4	9.4	0.0	107.1	1
1B	55	-3802	13	110	0	139	-3	70.7	37.9	9.4	0.0	108.6	1
1C	55	-3802	-19	-81	0	-63	1	70.7	17.0	6.9	0.0	87.6	1
1D	55	-3802	13	-81	0	-63	-3	70.7	18.4	6.9	0.0	89.1	1
1E	55	4703	-19	110	0	139	1	87.4	36.4	9.4	0.0	123.9	1
1F	55	4703	13	110	0	139	-3	87.4	37.9	9.4	0.0	125.3	1
1G	55	4703	-19	-81	0	-63	1	87.4	17.0	6.9	0.0	104.4	1
1H	55	4703	13	-81	0	-63	-3	87.4	18.4	6.9	0.0	105.8	1
1I	55	-8583	-17	238	0	304	2	159.5	79.6	20.2	0.0	239.1	1
1J	55	-8583	11	238	0	304	-4	159.5	81.0	20.2	0.0	240.6	1
1K	55	-8583	-17	-209	0	-228	2	159.5	60.1	17.7	0.0	219.6	1
1L	55	-8583	11	-209	0	-228	-4	159.5	61.6	17.7	0.0	221.1	1
1M	55	9484	-17	238	0	304	2	176.3	79.6	20.2	0.0	255.9	1
1N	55	9484	11	238	0	304	-4	176.3	81.0	20.2	0.0	257.3	1
1O	55	9484	-17	-209	0	-228	2	176.3	60.1	17.7	0.0	236.4	1
1P	55	9484	11	-209	0	-228	-4	176.3	61.6	17.7	0.0	237.8	1
2	55	8	-10	-41	0	85	-1	0.1	22.9	3.5	0.0	23.0	1
7	55	23	-10	-41	0	86	-1	0.4	23.2	3.5	0.0	23.6	1
8	55	160	-9	-24	0	73	-1	3.0	19.9	2.0	0.0	22.8	1
1A	111	-3778	-19	110	0	91	-10	70.2	30.7	9.4	0.0	101.0	1
1B	111	-3778	13	110	0	91	4	70.2	26.6	9.4	0.0	96.8	1
1C	111	-3778	-19	-81	0	-31	-10	70.2	15.4	6.9	0.0	85.6	1
1D	111	-3778	13	-81	0	-31	4	70.2	11.2	6.9	0.0	81.5	1
1E	111	4726	-19	110	0	91	-10	87.9	30.7	9.4	0.0	118.6	1
1F	111	4726	13	110	0	91	4	87.9	26.6	9.4	0.0	114.4	1
1G	111	4726	-19	-81	0	-31	-10	87.9	15.4	6.9	0.0	103.3	1
1H	111	4726	13	-81	0	-31	4	87.9	11.2	6.9	0.0	99.1	1
1I	111	-8560	-17	238	0	176	-8	159.1	51.0	20.2	0.0	210.1	1
1J	111	-8560	11	238	0	176	2	159.1	46.8	20.2	0.0	205.9	1
1K	111	-8560	-17	-209	0	-116	-8	159.1	35.6	17.7	0.0	194.7	1
1L	111	-8560	11	-209	0	-116	2	159.1	31.5	17.7	0.0	190.6	1
1M	111	9508	-17	238	0	176	-8	176.7	51.0	20.2	0.0	227.7	1
1N	111	9508	11	238	0	176	2	176.7	46.8	20.2	0.0	223.5	1
1O	111	9508	-17	-209	0	-116	-8	176.7	35.6	17.7	0.0	212.4	1
1P	111	9508	11	-209	0	-116	2	176.7	31.5	17.7	0.0	208.2	1
2	111	38	-10	121	0	63	-7	0.7	21.4	10.3	0.0	22.2	1
7	111	53	-10	121	0	63	-7	1.0	21.7	10.3	0.0	22.7	1
8	111	191	-9	90	0	55	-6	3.5	18.7	7.6	0.0	22.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3825	149	5	23	23	14	1.03	1.00	115.0	
1B	-3825	149	4	23	23	14	1.03	1.00	114.8	
1C	-3825	70	5	23	23	14	1.03	1.00	94.7	
1D	-3825	70	4	23	23	14	1.03	1.00	94.4	
1E	4726	149	5	23	23	14	1.00	1.00	129.6	
1F	4726	149	4	23	23	14	1.00	1.00	129.3	
1G	4726	70	5	23	23	14	1.00	1.00	109.3	
1H	4726	70	4	23	23	14	1.00	1.00	109.0	
1I	-8606	329	5	23	23	14	1.03	1.00	253.1	
1J	-8606	329	5	23	23	14	1.03	1.00	253.5	
1K	-8606	250	5	23	23	14	1.03	1.00	232.8	
1L	-8606	250	5	23	23	14	1.03	1.00	233.1	
1M	9508	329	5	23	23	14	1.00	1.00	264.9	
1N	9508	329	5	23	23	14	1.00	1.00	265.3	
1O	9508	250	5	23	23	14	1.00	1.00	244.6	
1P	9508	250	5	23	23	14	1.00	1.00	244.9	
2	-22	44	3	23	23	14	1.03	1.00	14.0	
7	-8	45	3	23	23	14	1.03	1.00	13.9	
8	191	44	2	23	23	14	1.00	1.00	16.8	

ASTA NUM. 479 NI 146 NF 147 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2195	-68	54	0	116	21	40.8	45.7	4.6	0.0	86.5	1	
1B	0	-2195	44	54	0	116	-19	40.8	44.5	4.6	0.0	85.3	1	
1C	0	-2195	-68	-147	0	-63	21	40.8	31.9	12.4	0.0	72.7	1	
1D	0	-2195	44	-147	0	-63	-19	40.8	30.7	12.4	0.0	71.5	1	
1E	0	3441	-68	54	0	116	21	64.0	45.7	4.6	0.0	109.7	1	
1F	0	3441	44	54	0	116	-19	64.0	44.5	4.6	0.0	108.4	1	
1G	0	3441	-68	-147	0	-63	21	64.0	31.9	12.4	0.0	95.9	1	
1H	0	3441	44	-147	0	-63	-19	64.0	30.7	12.4	0.0	94.7	1	
1I	0	-7146	-57	182	0	287	26	132.8	93.1	15.4	0.0	225.9	1	
1J	0	-7146	33	182	0	287	-24	132.8	91.9	15.4	0.0	224.7	1	
1K	0	-7146	-57	-274	0	-234	26	132.8	79.3	23.3	0.0	212.1	1	

1L	0	-7146	33	-274	0	-234	-24	132.8	78.1	23.3	0.0	210.9	1
1M	0	8392	-57	182	0	287	26	156.0	93.1	15.4	0.0	249.0	1
1N	0	8392	33	182	0	287	-24	156.0	91.9	15.4	0.0	247.8	1
1O	0	8392	-57	-274	0	-234	26	156.0	79.3	23.3	0.0	235.3	1
1P	0	8392	33	-274	0	-234	-24	156.0	78.1	23.3	0.0	234.1	1
2	0	389	-12	-215	0	41	-2	7.2	11.9	18.2	0.0	32.5	3
7	0	408	-12	-216	0	41	-2	7.6	12.2	18.3	0.0	32.9	3
8	0	495	-13	-169	0	38	-1	9.2	10.5	14.4	0.0	28.4	3
1A	55	-2172	-68	54	0	80	-26	40.4	39.7	4.6	0.0	80.1	1
1B	55	-2172	44	54	0	80	14	40.4	31.0	4.6	0.0	71.4	1
1C	55	-2172	-68	-147	0	25	-26	40.4	25.5	12.4	0.0	65.9	1
1D	55	-2172	44	-147	0	25	14	40.4	16.8	12.4	0.0	57.2	1
1E	55	3465	-68	54	0	80	-26	64.4	39.7	4.6	0.0	104.1	1
1F	55	3465	44	54	0	80	14	64.4	31.0	4.6	0.0	95.4	1
1G	55	3465	-68	-147	0	25	-26	64.4	25.5	12.4	0.0	89.9	1
1H	55	3465	44	-147	0	25	14	64.4	16.8	12.4	0.0	81.2	1
1I	55	-7123	-57	182	0	196	-9	132.4	56.9	15.4	0.0	189.3	1
1J	55	-7123	33	182	0	196	-3	132.4	52.5	15.4	0.0	184.9	1
1K	55	-7123	-57	-274	0	-91	-9	132.4	30.0	23.3	0.0	162.4	1
1L	55	-7123	33	-274	0	-91	-3	132.4	25.6	23.3	0.0	157.9	1
1M	55	8415	-57	182	0	196	-9	156.4	56.9	15.4	0.0	213.4	1
1N	55	8415	33	182	0	196	-3	156.4	52.5	15.4	0.0	208.9	1
1O	55	8415	-57	-274	0	-91	-9	156.4	30.0	23.3	0.0	186.4	1
1P	55	8415	33	-274	0	-91	-3	156.4	25.6	23.3	0.0	182.0	1
2	55	419	-12	-52	0	115	-9	7.8	35.9	4.4	0.0	43.7	1
7	55	438	-12	-54	0	116	-9	8.1	36.4	4.5	0.0	44.5	1
8	55	526	-13	-56	0	100	-8	9.8	32.0	4.7	0.0	41.8	1
1A	111	-2149	-68	54	0	44	-72	39.9	65.3	4.6	0.0	105.3	1
1B	111	-2149	44	54	0	44	47	39.9	46.7	4.6	0.0	86.6	1
1C	111	-2149	-68	-147	0	112	-72	39.9	83.0	12.4	0.0	123.0	1
1D	111	-2149	44	-147	0	112	47	39.9	64.4	12.4	0.0	104.3	1
1E	111	3488	-68	54	0	44	-72	64.8	65.3	4.6	0.0	130.1	1
1F	111	3488	44	54	0	44	47	64.8	46.7	4.6	0.0	111.5	1
1G	111	3488	-68	-147	0	112	-72	64.8	83.0	12.4	0.0	147.9	1
1H	111	3488	44	-147	0	112	47	64.8	64.4	12.4	0.0	129.2	1
1I	111	-7099	-57	182	0	104	-43	132.0	59.1	15.4	0.0	191.1	1
1J	111	-7099	33	182	0	104	18	132.0	40.5	15.4	0.0	172.4	1
1K	111	-7099	-57	-274	0	52	-43	132.0	45.6	23.3	0.0	177.6	1
1L	111	-7099	33	-274	0	52	18	132.0	27.0	23.3	0.0	159.0	1
1M	111	8438	-57	182	0	104	-43	156.8	59.1	15.4	0.0	215.9	1
1N	111	8438	33	182	0	104	18	156.8	40.5	15.4	0.0	197.3	1
1O	111	8438	-57	-274	0	52	-43	156.8	45.6	23.3	0.0	202.5	1
1P	111	8438	33	-274	0	52	18	156.8	27.0	23.3	0.0	183.9	1
2	111	450	-12	110	0	99	-15	8.4	36.9	9.3	0.0	45.2	1
7	111	468	-12	109	0	101	-15	8.7	37.4	9.2	0.0	46.1	1
8	111	556	-13	58	0	99	-16	10.3	37.3	4.9	0.0	47.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2195	87	35	23	23	14	1.03	1.00	90.7	
1B	-2195	87	21	23	23	14	1.03	1.00	80.0	
1C	-2195	45	35	23	23	14	1.03	1.00	79.8	
1D	-2195	45	21	23	23	14	1.03	1.00	69.1	
1E	3488	87	35	23	23	14	1.00	1.00	113.4	
1F	3488	87	21	23	23	14	1.00	1.00	102.7	
1G	3488	45	35	23	23	14	1.00	1.00	102.6	
1H	3488	45	21	23	23	14	1.00	1.00	91.9	
1I	-7146	214	17	23	23	14	1.03	1.00	204.9	
1J	-7146	214	10	23	23	14	1.03	1.00	199.2	
1K	-7146	120	17	23	23	14	1.03	1.00	180.6	
1L	-7146	120	10	23	23	14	1.03	1.00	174.8	
1M	8438	214	17	23	23	14	1.00	1.00	224.8	
1N	8438	214	10	23	23	14	1.00	1.00	219.1	
1O	8438	120	17	23	23	14	1.00	1.00	200.5	
1P	8438	120	10	23	23	14	1.00	1.00	194.8	
2	450	75	10	23	23	14	1.00	1.00	35.2	
7	468	77	10	23	23	14	1.00	1.00	36.1	
8	556	75	10	23	23	14	1.00	1.00	36.9	

ASTA NUM. 480 NI 147 NF 148 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-777	-72	163	0	124	70	14.4	84.2	13.8	0.0	98.7	1	
1B	0	-777	75	163	0	124	-88	14.4	97.6	13.8	0.0	112.1	1	
1C	0	-777	-72	-75	0	33	70	14.4	60.8	6.4	0.0	75.3	1	
1D	0	-777	75	-75	0	33	-88	14.4	74.2	6.4	0.0	88.7	1	
1E	0	1935	-72	163	0	124	70	36.0	84.2	13.8	0.0	120.2	1	
1F	0	1935	75	163	0	124	-88	36.0	97.6	13.8	0.0	133.6	1	
1G	0	1935	-72	-75	0	33	70	36.0	60.8	6.4	0.0	96.8	1	
1H	0	1935	75	-75	0	33	-88	36.0	74.2	6.4	0.0	110.2	1	
1I	0	-859	-34	341	0	200	25	16.0	70.5	28.9	0.0	86.5	1	
1J	0	-859	37	341	0	200	-43	16.0	83.9	28.9	0.0	99.9	1	
1K	0	-859	-34	-253	0	-43	25	16.0	30.1	21.5	0.0	46.1	1	
1L	0	-859	37	-253	0	-43	-43	16.0	43.5	21.5	0.0	59.5	1	

1M	0	2016	-34	341	0	200	25	37.5	70.5	28.9	0.0	108.0	1
1N	0	2016	37	341	0	200	-43	37.5	83.9	28.9	0.0	121.4	1
1O	0	2016	-34	-253	0	-43	25	37.5	30.1	21.5	0.0	67.6	1
1P	0	2016	37	-253	0	-43	-43	37.5	43.5	21.5	0.0	81.0	1
2	0	504	4	-51	0	101	-10	9.4	33.0	4.3	0.0	42.4	1
7	0	521	4	-49	0	103	-10	9.7	33.8	4.2	0.0	43.5	1
8	0	578	2	-20	0	101	-10	10.7	33.4	1.7	0.0	44.1	1
1A	55	-754	-72	163	0	28	106	14.0	86.6	13.8	0.0	100.6	1
1B	55	-754	75	163	0	28	-122	14.0	98.8	13.8	0.0	112.8	1
1C	55	-754	-72	-75	0	81	106	14.0	100.2	6.4	0.0	114.2	1
1D	55	-754	75	-75	0	81	-122	14.0	112.4	6.4	0.0	126.4	1
1E	55	1958	-72	163	0	28	106	36.4	86.6	13.8	0.0	123.0	1
1F	55	1958	75	163	0	28	-122	36.4	98.8	13.8	0.0	135.2	1
1G	55	1958	-72	-75	0	81	106	36.4	100.2	6.4	0.0	136.6	1
1H	55	1958	75	-75	0	81	-122	36.4	112.4	6.4	0.0	148.8	1
1I	55	-836	-34	341	0	10	35	15.5	28.4	28.9	0.0	52.7	4
1J	55	-836	37	341	0	10	-51	15.5	40.6	28.9	0.0	56.1	1
1K	55	-836	-34	-253	0	99	35	15.5	51.4	21.5	0.0	66.9	1
1L	55	-836	37	-253	0	99	-51	15.5	63.5	21.5	0.0	79.1	1
1M	55	2040	-34	341	0	10	35	37.9	28.4	28.9	0.0	66.3	1
1N	55	2040	37	341	0	10	-51	37.9	40.6	28.9	0.0	78.5	1
1O	55	2040	-34	-253	0	99	35	37.9	51.4	21.5	0.0	89.3	1
1P	55	2040	37	-253	0	99	-51	37.9	63.5	21.5	0.0	101.5	1
2	55	534	4	112	0	84	-8	9.9	27.2	9.5	0.0	37.2	1
7	55	552	4	113	0	86	-8	10.3	27.7	9.6	0.0	38.0	1
8	55	608	2	94	0	80	-9	11.3	27.1	8.0	0.0	38.4	1
1A	111	-730	-72	163	0	-69	142	13.6	124.3	13.8	0.0	137.9	1
1B	111	-730	75	163	0	-69	-157	13.6	135.2	13.8	0.0	148.8	1
1C	111	-730	-72	-75	0	128	142	13.6	139.6	6.4	0.0	153.2	1
1D	111	-730	75	-75	0	128	-157	13.6	150.5	6.4	0.0	164.1	1
1E	111	1981	-72	163	0	-69	142	36.8	124.3	13.8	0.0	161.1	1
1F	111	1981	75	163	0	-69	-157	36.8	135.2	13.8	0.0	172.0	1
1G	111	1981	-72	-75	0	128	142	36.8	139.6	6.4	0.0	176.4	1
1H	111	1981	75	-75	0	128	-157	36.8	150.5	6.4	0.0	187.3	1
1I	111	-812	-34	341	0	-181	44	15.1	79.5	28.9	0.0	94.6	1
1J	111	-812	37	341	0	-181	-59	15.1	90.4	28.9	0.0	105.5	1
1K	111	-812	-34	-253	0	241	44	15.1	94.8	21.5	0.0	109.9	1
1L	111	-812	37	-253	0	241	-59	15.1	105.7	21.5	0.0	120.8	1
1M	111	2063	-34	341	0	-181	44	38.4	79.5	28.9	0.0	117.8	1
1N	111	2063	37	341	0	-181	-59	38.4	90.4	28.9	0.0	128.8	1
1O	111	2063	-34	-253	0	241	44	38.4	94.8	21.5	0.0	133.1	1
1P	111	2063	37	-253	0	241	-59	38.4	105.7	21.5	0.0	144.1	1
2	111	564	4	274	0	-23	-6	10.5	10.0	23.2	0.0	41.6	4
7	111	582	4	276	0	-22	-5	10.8	9.7	23.4	0.0	41.9	4
8	111	638	2	208	0	-3	-7	11.9	6.4	17.6	0.0	32.8	4

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-777	50	113	23	23	14	1.03	1.00	112.6	
1B	-777	50	129	23	23	14	1.03	1.00	124.5	
1C	-777	90	113	23	23	14	1.03	1.00	123.0	
1D	-777	90	129	23	23	14	1.03	1.00	134.9	
1E	1981	50	113	23	23	14	1.00	1.00	134.5	
1F	1981	50	129	23	23	14	1.00	1.00	146.4	
1G	1981	90	113	23	23	14	1.00	1.00	144.9	
1H	1981	90	129	23	23	14	1.00	1.00	156.8	
1I	-859	80	37	23	23	14	1.03	1.00	64.4	
1J	-859	80	52	23	23	14	1.03	1.00	76.3	
1K	-859	127	37	23	23	14	1.03	1.00	76.5	
1L	-859	127	52	23	23	14	1.03	1.00	88.5	
1M	2063	80	37	23	23	14	1.00	1.00	86.3	
1N	2063	80	52	23	23	14	1.00	1.00	98.2	
1O	2063	127	37	23	23	14	1.00	1.00	98.4	
1P	2063	127	52	23	23	14	1.00	1.00	110.3	
2	564	51	8	23	23	14	1.00	1.00	29.6	
7	582	53	8	23	23	14	1.00	1.00	30.5	
8	638	59	9	23	23	14	1.00	1.00	33.8	

ASTA NUM. 481 NI 148 NF 158 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-71	-142	150	0	123	153	1.3	145.7	12.7	0.0	147.0	1	
1B	0	-71	162	150	0	123	-169	1.3	158.4	12.7	0.0	159.7	1	
1C	0	-71	-142	26	0	-27	153	1.3	121.0	5.3	0.0	122.4	1	
1D	0	-71	162	26	0	-27	-169	1.3	133.7	6.1	0.0	135.0	1	
1E	0	855	-142	150	0	123	153	15.9	145.7	12.7	0.0	161.6	1	
1F	0	855	162	150	0	123	-169	15.9	158.4	12.7	0.0	174.3	1	
1G	0	855	-142	26	0	-27	153	15.9	121.0	5.3	0.0	136.9	1	
1H	0	855	162	26	0	-27	-169	15.9	133.7	6.1	0.0	149.6	1	
1I	0	-594	-50	175	0	207	50	11.0	90.7	14.8	0.0	101.7	1	
1J	0	-594	70	175	0	207	-67	11.0	103.4	14.8	0.0	114.4	1	
1K	0	-594	-50	2	0	-111	50	11.0	66.0	1.9	0.0	77.1	1	
1L	0	-594	70	2	0	-111	-67	11.0	78.7	2.6	0.0	89.7	1	
1M	0	1378	-50	175	0	207	50	25.6	90.7	14.8	0.0	116.3	1	

1N	0	1378	70	175	0	207	-67	25.6	103.4	14.8	0.0	129.0	1
1O	0	1378	-50	2	0	-111	50	25.6	66.0	1.9	0.0	91.6	1
1P	0	1378	70	2	0	-111	-67	25.6	78.7	2.6	0.0	104.3	1
2	0	360	3	-91	0	5	-3	6.7	3.2	7.7	0.0	14.9	4
7	0	373	3	-88	0	6	-3	6.9	3.6	7.4	0.0	14.7	4
8	0	403	7	-29	0	22	-6	7.5	10.2	2.4	0.0	17.7	1
1A	55	-47	-142	150	0	54	74	0.9	69.1	12.7	0.0	70.0	1
1B	55	-47	162	150	0	54	-80	0.9	73.5	12.7	0.0	74.4	1
1C	55	-47	-142	26	0	-56	74	0.9	69.6	5.3	0.0	70.5	1
1D	55	-47	162	26	0	-56	-80	0.9	74.0	6.1	0.0	74.9	1
1E	55	879	-142	150	0	54	74	16.3	69.1	12.7	0.0	85.5	1
1F	55	879	162	150	0	54	-80	16.3	73.5	12.7	0.0	89.9	1
1G	55	879	-142	26	0	-56	74	16.3	69.6	5.3	0.0	86.0	1
1H	55	879	162	26	0	-56	-80	16.3	74.0	6.1	0.0	90.4	1
1I	55	-570	-50	175	0	114	22	10.6	45.9	14.8	0.0	56.5	1
1J	55	-570	70	175	0	114	-28	10.6	50.4	14.8	0.0	61.0	1
1K	55	-570	-50	2	0	-116	22	10.6	46.4	1.9	0.0	57.0	1
1L	55	-570	70	2	0	-116	-28	10.6	50.9	2.6	0.0	61.5	1
1M	55	1402	-50	175	0	114	22	26.1	45.9	14.8	0.0	72.0	1
1N	55	1402	70	175	0	114	-28	26.1	50.4	14.8	0.0	76.4	1
1O	55	1402	-50	2	0	-116	22	26.1	46.4	1.9	0.0	72.5	1
1P	55	1402	70	2	0	-116	-28	26.1	50.9	2.6	0.0	76.9	1
2	55	390	3	72	0	10	-1	7.2	3.2	6.1	0.0	13.3	3
7	55	403	3	75	0	10	-1	7.5	3.2	6.3	0.0	13.8	3
8	55	433	7	85	0	7	-2	8.1	3.3	7.2	0.0	14.9	4
1A	111	-24	-142	150	0	-14	-5	0.4	7.5	12.7	0.0	22.1	4
1B	111	-24	162	150	0	-14	10	0.4	11.3	12.7	0.0	22.5	3
1C	111	-24	-142	26	0	-86	-5	0.4	26.1	5.3	0.0	26.6	1
1D	111	-24	162	26	0	-86	10	0.4	30.0	6.1	0.0	30.4	1
1E	111	902	-142	150	0	-14	-5	16.8	7.5	12.7	0.0	29.5	3
1F	111	902	162	150	0	-14	10	16.8	11.3	12.7	0.0	30.0	3
1G	111	902	-142	26	0	-86	-5	16.8	26.1	5.3	0.0	42.9	1
1H	111	902	162	26	0	-86	10	16.8	30.0	6.1	0.0	46.7	1
1I	111	-547	-50	175	0	22	-6	10.2	10.3	14.8	0.0	27.7	4
1J	111	-547	70	175	0	22	11	10.2	14.1	14.8	0.0	27.9	3
1K	111	-547	-50	2	0	-122	-6	10.2	36.0	1.9	0.0	46.1	1
1L	111	-547	70	2	0	-122	11	10.2	39.8	2.6	0.0	50.0	1
1M	111	1425	-50	175	0	22	-6	26.5	10.3	14.8	0.0	39.2	3
1N	111	1425	70	175	0	22	11	26.5	14.1	14.8	0.0	40.6	1
1O	111	1425	-50	2	0	-122	-6	26.5	36.0	1.9	0.0	62.5	1
1P	111	1425	70	2	0	-122	11	26.5	39.8	2.6	0.0	66.3	1
2	111	420	3	234	0	-75	1	7.8	20.1	19.9	0.0	39.4	3
7	111	434	3	237	0	-76	1	8.1	20.4	20.1	0.0	40.1	3
8	111	464	7	199	0	-72	2	8.6	19.8	16.9	0.0	36.1	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-71	68	89	23	23	14	1.03	1.00	85.8	
1B	-71	68	98	23	23	14	1.03	1.00	91.9	
1C	-71	62	89	23	23	14	1.03	1.00	84.3	
1D	-71	62	98	23	23	14	1.03	1.00	90.4	
1E	902	68	89	23	23	14	1.00	1.00	101.2	
1F	902	68	98	23	23	14	1.00	1.00	107.3	
1G	902	62	89	23	23	14	1.00	1.00	99.7	
1H	902	62	98	23	23	14	1.00	1.00	105.8	
1I	-594	133	28	23	23	14	1.03	1.00	66.3	
1J	-594	133	36	23	23	14	1.03	1.00	72.3	
1K	-594	118	28	23	23	14	1.03	1.00	62.3	
1L	-594	118	36	23	23	14	1.03	1.00	68.4	
1M	1425	133	28	23	23	14	1.00	1.00	81.4	
1N	1425	133	36	23	23	14	1.00	1.00	87.5	
1O	1425	118	28	23	23	14	1.00	1.00	77.4	
1P	1425	118	36	23	23	14	1.00	1.00	83.5	
2	420	43	1	23	23	14	1.00	1.00	19.8	
7	434	43	1	23	23	14	1.00	1.00	20.1	
8	464	34	3	23	23	14	1.00	1.00	19.5	

ASTA NUM. 482 NI 101 NF 102 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-14893	-28	210	0	252	24	276.8	82.8	17.8	0.0	359.7	1	
1B	0	-14893	35	210	0	252	-17	276.8	77.8	17.8	0.0	354.6	1	
1C	0	-14893	-28	-142	0	-215	24	276.8	73.3	12.1	0.0	350.1	1	
1D	0	-14893	35	-142	0	-215	-17	276.8	68.2	12.1	0.0	345.0	1	
1E	0	11181	-28	210	0	252	24	207.8	82.8	17.8	0.0	290.7	1	
1F	0	11181	35	210	0	252	-17	207.8	77.8	17.8	0.0	285.6	1	
1G	0	11181	-28	-142	0	-215	24	207.8	73.3	12.1	0.0	281.1	1	
1H	0	11181	35	-142	0	-215	-17	207.8	68.2	12.1	0.0	276.0	1	
1I	0	-21255	-20	258	0	618	26	395.1	178.7	21.9	0.0	573.8	1	
1J	0	-21255	27	258	0	618	-20	395.1	173.7	21.9	0.0	568.8	1	
1K	0	-21255	-20	-190	0	-581	26	395.1	169.2	16.1	0.0	564.2	1	
1L	0	-21255	27	-190	0	-581	-20	395.1	164.1	16.1	0.0	559.2	1	
1M	0	17543	-20	258	0	618	26	326.1	178.7	21.9	0.0	504.8	1	
1N	0	17543	27	258	0	618	-20	326.1	173.7	21.9	0.0	499.8	1	

1O	0	17543	-20	-190	0	-581	26	326.1	169.2	16.1	0.0	495.2	1
1P	0	17543	27	-190	0	-581	-20	326.1	164.1	16.1	0.0	490.2	1
2	0	-10320	20	-358	0	-243	18	191.8	76.4	30.4	0.0	268.2	1
7	0	-9549	17	-366	0	-242	17	177.5	74.7	31.0	0.0	252.2	1
8	0	-8128	15	-238	0	-168	14	151.1	53.9	20.2	0.0	205.0	1
1A	55	-14870	-28	210	0	225	43	276.4	89.8	17.8	0.0	366.2	1
1B	55	-14870	35	210	0	225	-32	276.4	81.9	17.8	0.0	358.3	1
1C	55	-14870	-28	-142	0	-226	43	276.4	89.9	12.1	0.0	366.3	1
1D	55	-14870	35	-142	0	-226	-32	276.4	82.0	12.1	0.0	358.4	1
1E	55	11204	-28	210	0	225	43	208.3	89.8	17.8	0.0	298.1	1
1F	55	11204	35	210	0	225	-32	208.3	81.9	17.8	0.0	290.1	1
1G	55	11204	-28	-142	0	-226	43	208.3	89.9	12.1	0.0	298.2	1
1H	55	11204	35	-142	0	-226	-32	208.3	82.0	12.1	0.0	290.2	1
1I	55	-21232	-20	258	0	502	41	394.6	159.7	21.9	0.0	554.4	1
1J	55	-21232	27	258	0	502	-30	394.6	151.8	21.9	0.0	546.4	1
1K	55	-21232	-20	-190	0	-502	41	394.6	159.8	16.1	0.0	554.5	1
1L	55	-21232	27	-190	0	-502	-30	394.6	151.9	16.1	0.0	546.5	1
1M	55	17567	-20	258	0	502	41	326.5	159.7	21.9	0.0	486.3	1
1N	55	17567	27	258	0	502	-30	326.5	151.8	21.9	0.0	478.3	1
1O	55	17567	-20	-190	0	-502	41	326.5	159.8	16.1	0.0	486.3	1
1P	55	17567	27	-190	0	-502	-30	326.5	151.9	16.1	0.0	478.4	1
2	55	-10290	20	-141	0	-105	29	191.3	48.9	12.0	0.0	240.2	1
7	55	-9518	17	-149	0	-99	26	176.9	45.3	12.6	0.0	222.2	1
8	55	-8098	15	-87	0	-78	23	150.5	37.2	7.3	0.0	187.7	1
1A	111	-14846	-28	210	0	199	61	275.9	96.9	17.8	0.0	372.8	1
1B	111	-14846	35	210	0	199	-47	275.9	86.0	17.8	0.0	361.9	1
1C	111	-14846	-28	-142	0	-237	61	275.9	106.6	12.1	0.0	382.6	1
1D	111	-14846	35	-142	0	-237	-47	275.9	95.7	12.1	0.0	371.7	1
1E	111	11228	-28	210	0	199	61	208.7	96.9	17.8	0.0	305.6	1
1F	111	11228	35	210	0	199	-47	208.7	86.0	17.8	0.0	294.7	1
1G	111	11228	-28	-142	0	-237	61	208.7	106.6	12.1	0.0	315.3	1
1H	111	11228	35	-142	0	-237	-47	208.7	95.7	12.1	0.0	304.4	1
1I	111	-21208	-20	258	0	386	55	394.2	140.7	21.9	0.0	534.9	1
1J	111	-21208	27	258	0	386	-41	394.2	129.8	21.9	0.0	524.0	1
1K	111	-21208	-20	-190	0	-424	55	394.2	150.5	16.1	0.0	544.7	1
1L	111	-21208	27	-190	0	-424	-41	394.2	139.6	16.1	0.0	533.8	1
1M	111	17590	-20	258	0	386	55	327.0	140.7	21.9	0.0	467.7	1
1N	111	17590	27	258	0	386	-41	327.0	129.8	21.9	0.0	456.8	1
1O	111	17590	-20	-190	0	-424	55	327.0	150.5	16.1	0.0	477.5	1
1P	111	17590	27	-190	0	-424	-41	327.0	139.6	16.1	0.0	466.6	1
2	111	-10260	20	75	0	-86	40	190.7	52.3	6.4	0.0	243.0	1
7	111	-9488	17	68	0	-77	36	176.4	46.6	5.7	0.0	223.0	1
8	111	-8068	15	65	0	-72	32	150.0	42.0	5.5	0.0	192.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-14893	231	46	23	23	14	1.03	1.00	379.5	
1B	-14893	231	35	23	23	14	1.03	1.00	370.9	
1C	-14893	228	46	23	23	14	1.03	1.00	378.8	
1D	-14893	228	35	23	23	14	1.03	1.00	370.2	
1E	11228	231	46	23	23	14	1.00	1.00	302.7	
1F	11228	231	35	23	23	14	1.00	1.00	294.2	
1G	11228	228	46	23	23	14	1.00	1.00	302.0	
1H	11228	228	35	23	23	14	1.00	1.00	293.4	
1I	-21255	525	44	23	23	14	1.03	1.00	575.6	
1J	-21255	525	32	23	23	14	1.03	1.00	567.0	
1K	-21255	518	44	23	23	14	1.03	1.00	573.8	
1L	-21255	518	32	23	23	14	1.03	1.00	565.2	
1M	17590	525	44	23	23	14	1.00	1.00	494.8	
1N	17590	525	32	23	23	14	1.00	1.00	486.3	
1O	17590	518	44	23	23	14	1.00	1.00	493.0	
1P	17590	518	32	23	23	14	1.00	1.00	484.4	
2	-10320	180	31	23	23	14	1.03	1.00	267.8	
7	-9549	176	28	23	23	14	1.03	1.00	249.4	
8	-8128	129	25	23	23	14	1.03	1.00	207.5	

ASTA NUM. 483 NI 102 NF 103 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10040	-25	85	0	220	52	186.6	95.6	7.2	0.0	282.2	1	
1B	0	-10040	18	85	0	220	-44	186.6	89.8	7.2	0.0	276.4	1	
1C	0	-10040	-25	-191	0	-273	52	186.6	109.3	16.2	0.0	295.9	1	
1D	0	-10040	18	-191	0	-273	-44	186.6	103.5	16.2	0.0	290.1	1	
1E	0	6630	-25	85	0	220	52	123.2	95.6	7.2	0.0	218.8	1	
1F	0	6630	18	85	0	220	-44	123.2	89.8	7.2	0.0	213.1	1	
1G	0	6630	-25	-191	0	-273	52	123.2	109.3	16.2	0.0	232.5	1	
1H	0	6630	18	-191	0	-273	-44	123.2	103.5	16.2	0.0	226.7	1	
1I	0	-19685	-38	180	0	527	55	365.9	176.7	15.3	0.0	542.6	1	
1J	0	-19685	31	180	0	527	-47	365.9	170.9	15.3	0.0	536.8	1	
1K	0	-19685	-38	-287	0	-580	55	365.9	190.3	24.3	0.0	556.2	1	
1L	0	-19685	31	-287	0	-580	-47	365.9	184.6	24.3	0.0	550.5	1	
1M	0	16275	-38	180	0	527	55	302.5	176.7	15.3	0.0	479.2	1	
1N	0	16275	31	180	0	527	-47	302.5	170.9	15.3	0.0	473.4	1	
1O	0	16275	-38	-287	0	-580	55	302.5	190.3	24.3	0.0	492.8	1	

1P	0	16275	31	-287	0	-580	-47	302.5	184.6	24.3	0.0	487.1	1
2	0	-9654	-30	-504	0	-238	37	179.4	89.2	42.7	0.0	268.6	1
7	0	-8952	-27	-483	0	-224	33	166.4	82.3	40.9	0.0	248.7	1
8	0	-7588	-23	-375	0	-182	28	141.0	67.8	31.8	0.0	208.8	1
1A	55	-10016	-25	85	0	183	40	186.2	77.3	7.2	0.0	263.5	1
1B	55	-10016	18	85	0	183	-36	186.2	74.4	7.2	0.0	260.6	1
1C	55	-10016	-25	-191	0	-178	40	186.2	75.8	16.2	0.0	262.0	1
1D	55	-10016	18	-191	0	-178	-36	186.2	72.9	16.2	0.0	259.1	1
1E	55	6654	-25	85	0	183	40	123.7	77.3	7.2	0.0	201.0	1
1F	55	6654	18	85	0	183	-36	123.7	74.4	7.2	0.0	198.1	1
1G	55	6654	-25	-191	0	-178	40	123.7	75.8	16.2	0.0	199.4	1
1H	55	6654	18	-191	0	-178	-36	123.7	72.9	16.2	0.0	196.6	1
1I	55	-19661	-38	180	0	430	35	365.4	136.8	15.3	0.0	502.2	1
1J	55	-19661	31	180	0	430	-31	365.4	133.9	15.3	0.0	499.3	1
1K	55	-19661	-38	-287	0	-424	35	365.4	135.2	24.3	0.0	500.7	1
1L	55	-19661	31	-287	0	-424	-31	365.4	132.3	24.3	0.0	497.8	1
1M	55	16298	-38	180	0	430	35	302.9	136.8	15.3	0.0	439.7	1
1N	55	16298	31	180	0	430	-31	302.9	133.9	15.3	0.0	436.8	1
1O	55	16298	-38	-287	0	-424	35	302.9	135.2	24.3	0.0	438.2	1
1P	55	16298	31	-287	0	-424	-31	302.9	132.3	24.3	0.0	435.3	1
2	55	-9624	-30	-287	0	-19	21	178.9	20.4	24.3	0.0	199.3	1
7	55	-8922	-27	-266	0	-17	18	165.8	18.0	22.6	0.0	183.8	1
8	55	-7558	-23	-224	0	-16	16	140.5	15.8	19.0	0.0	156.2	1
1A	111	-9993	-25	85	0	147	28	185.7	59.0	7.2	0.0	244.7	1
1B	111	-9993	18	85	0	147	-28	185.7	59.0	7.2	0.0	244.7	1
1C	111	-9993	-25	-191	0	-82	28	185.7	42.3	16.2	0.0	228.0	1
1D	111	-9993	18	-191	0	-82	-28	185.7	42.3	16.2	0.0	228.0	1
1E	111	6677	-25	85	0	147	28	124.1	59.0	7.2	0.0	183.1	1
1F	111	6677	18	85	0	147	-28	124.1	59.0	7.2	0.0	183.1	1
1G	111	6677	-25	-191	0	-82	28	124.1	42.3	16.2	0.0	166.4	1
1H	111	6677	18	-191	0	-82	-28	124.1	42.3	16.2	0.0	166.4	1
1I	111	-19638	-38	180	0	333	15	365.0	96.8	15.3	0.0	461.8	1
1J	111	-19638	31	180	0	333	-15	365.0	96.8	15.3	0.0	461.8	1
1K	111	-19638	-38	-287	0	-269	15	365.0	80.1	24.3	0.0	445.1	1
1L	111	-19638	31	-287	0	-269	-15	365.0	80.1	24.3	0.0	445.1	1
1M	111	16322	-38	180	0	333	15	303.4	96.8	15.3	0.0	400.2	1
1N	111	16322	31	180	0	333	-15	303.4	96.8	15.3	0.0	400.2	1
1O	111	16322	-38	-287	0	-269	15	303.4	80.1	24.3	0.0	383.5	1
1P	111	16322	31	-287	0	-269	-15	303.4	80.1	24.3	0.0	383.5	1
2	111	-9593	-30	-70	0	80	4	178.3	23.6	6.0	0.0	201.9	1
7	111	-8891	-27	-50	0	71	4	165.3	21.0	4.2	0.0	186.2	1
8	111	-7527	-23	-72	0	66	3	139.9	19.2	6.1	0.0	159.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10040	191	43	23	23	14	1.03	1.00	273.4	
1B	-10040	191	38	23	23	14	1.03	1.00	269.9	
1C	-10040	197	43	23	23	14	1.03	1.00	274.9	
1D	-10040	197	38	23	23	14	1.03	1.00	271.5	
1E	6677	191	43	23	23	14	1.00	1.00	205.1	
1F	6677	191	38	23	23	14	1.00	1.00	201.6	
1G	6677	197	43	23	23	14	1.00	1.00	206.6	
1H	6677	197	38	23	23	14	1.00	1.00	203.1	
1I	-19685	450	39	23	23	14	1.03	1.00	522.3	
1J	-19685	450	34	23	23	14	1.03	1.00	518.8	
1K	-19685	455	39	23	23	14	1.03	1.00	523.8	
1L	-19685	455	34	23	23	14	1.03	1.00	520.3	
1M	16322	450	39	23	23	14	1.00	1.00	448.1	
1N	16322	450	34	23	23	14	1.00	1.00	444.7	
1O	16322	455	39	23	23	14	1.00	1.00	449.6	
1P	16322	455	34	23	23	14	1.00	1.00	446.2	
2	-9654	111	24	23	23	14	1.03	1.00	231.5	
7	-8952	106	21	23	23	14	1.03	1.00	214.7	
8	-7588	83	18	23	23	14	1.03	1.00	180.2	

ASTA NUM. 484 NI 103 NF 104 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-7656	-22	166	0	198	18	142.3	64.5	14.1	0.0	206.8	1	
1B	0	-7656	16	166	0	198	-14	142.3	61.7	14.1	0.0	204.0	1	
1C	0	-7656	-22	-113	0	-150	18	142.3	52.1	9.6	0.0	194.4	1	
1D	0	-7656	16	-113	0	-150	-14	142.3	49.3	9.6	0.0	191.6	1	
1E	0	5232	-22	166	0	198	18	97.2	64.5	14.1	0.0	161.8	1	
1F	0	5232	16	166	0	198	-14	97.2	61.7	14.1	0.0	159.0	1	
1G	0	5232	-22	-113	0	-150	18	97.2	52.1	9.6	0.0	149.3	1	
1H	0	5232	16	-113	0	-150	-14	97.2	49.3	9.6	0.0	146.5	1	
1I	0	-11235	-38	292	0	476	20	208.8	137.1	24.8	0.0	345.9	1	
1J	0	-11235	32	292	0	476	-16	208.8	134.3	24.8	0.0	343.1	1	
1K	0	-11235	-38	-240	0	-427	20	208.8	124.7	20.3	0.0	333.5	1	
1L	0	-11235	32	-240	0	-427	-16	208.8	121.8	20.3	0.0	330.7	1	
1M	0	8811	-38	292	0	476	20	163.8	137.1	24.8	0.0	300.9	1	
1N	0	8811	32	292	0	476	-16	163.8	134.3	24.8	0.0	298.1	1	
1O	0	8811	-38	-240	0	-427	20	163.8	124.7	20.3	0.0	288.4	1	
1P	0	8811	32	-240	0	-427	-16	163.8	121.8	20.3	0.0	285.6	1	

2	0	-2783	-29	-318	0	-43	13	51.7	21.0	27.0	0.0	74.5	3
7	0	-2355	-25	-323	0	-47	12	43.8	20.9	27.4	0.0	69.1	3
8	0	-2524	-21	-214	0	-24	10	46.9	13.9	18.1	0.0	60.8	1
1A	55	-7632	-22	166	0	148	2	141.9	39.5	14.1	0.0	181.4	1
1B	55	-7632	16	166	0	148	-1	141.9	39.3	14.1	0.0	181.1	1
1C	55	-7632	-22	-113	0	-129	2	141.9	34.5	9.6	0.0	176.4	1
1D	55	-7632	16	-113	0	-129	-1	141.9	34.3	9.6	0.0	176.2	1
1E	55	5256	-22	166	0	148	2	97.7	39.5	14.1	0.0	137.2	1
1F	55	5256	16	166	0	148	-1	97.7	39.3	14.1	0.0	137.0	1
1G	55	5256	-22	-113	0	-129	2	97.7	34.5	9.6	0.0	132.2	1
1H	55	5256	16	-113	0	-129	-1	97.7	34.3	9.6	0.0	132.0	1
1I	55	-11212	-38	292	0	327	-3	208.4	86.2	24.8	0.0	294.6	1
1J	55	-11212	32	292	0	327	3	208.4	86.4	24.8	0.0	294.8	1
1K	55	-11212	-38	-240	0	-307	-3	208.4	81.2	20.3	0.0	289.6	1
1L	55	-11212	32	-240	0	-307	3	208.4	81.5	20.3	0.0	289.8	1
1M	55	8835	-38	292	0	327	-3	164.2	86.2	24.8	0.0	250.4	1
1N	55	8835	32	292	0	327	3	164.2	86.4	24.8	0.0	250.6	1
1O	55	8835	-38	-240	0	-307	-3	164.2	81.2	20.3	0.0	245.4	1
1P	55	8835	32	-240	0	-307	3	164.2	81.5	20.3	0.0	245.7	1
2	55	-2752	-29	-101	0	73	-3	51.2	20.7	8.6	0.0	71.8	1
7	55	-2324	-25	-106	0	72	-2	43.2	20.2	9.0	0.0	63.4	1
8	55	-2494	-21	-62	0	52	-2	46.4	14.7	5.3	0.0	61.0	1
1A	111	-7609	-22	166	0	98	-14	141.4	36.2	14.1	0.0	177.6	1
1B	111	-7609	16	166	0	98	11	141.4	33.8	14.1	0.0	175.3	1
1C	111	-7609	-22	-113	0	-108	-14	141.4	38.7	9.6	0.0	180.1	1
1D	111	-7609	16	-113	0	-108	11	141.4	36.3	9.6	0.0	177.8	1
1E	111	5279	-22	166	0	98	-14	98.1	36.2	14.1	0.0	134.3	1
1F	111	5279	16	166	0	98	11	98.1	33.8	14.1	0.0	132.0	1
1G	111	5279	-22	-113	0	-108	-14	98.1	38.7	9.6	0.0	136.8	1
1H	111	5279	16	-113	0	-108	11	98.1	36.3	9.6	0.0	134.4	1
1I	111	-11188	-38	292	0	178	-25	208.0	64.6	24.8	0.0	272.5	1
1J	111	-11188	32	292	0	178	22	208.0	62.2	24.8	0.0	270.2	1
1K	111	-11188	-38	-240	0	-187	-25	208.0	67.1	20.3	0.0	275.0	1
1L	111	-11188	32	-240	0	-187	22	208.0	64.7	20.3	0.0	272.7	1
1M	111	8858	-38	292	0	178	-25	164.6	64.6	24.8	0.0	229.2	1
1N	111	8858	32	292	0	178	22	164.6	62.2	24.8	0.0	226.9	1
1O	111	8858	-38	-240	0	-187	-25	164.6	67.1	20.3	0.0	231.7	1
1P	111	8858	32	-240	0	-187	22	164.6	64.7	20.3	0.0	229.4	1
2	111	-2722	-29	115	0	69	-18	50.6	31.5	9.8	0.0	82.1	1
7	111	-2294	-25	110	0	71	-16	42.6	30.5	9.4	0.0	73.1	1
8	111	-2464	-21	89	0	44	-14	45.8	21.6	7.6	0.0	67.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-7656	158	7	23	23	14	1.03	1.00	192.8	
1B	-7656	158	6	23	23	14	1.03	1.00	191.7	
1C	-7656	133	7	23	23	14	1.03	1.00	186.3	
1D	-7656	133	6	23	23	14	1.03	1.00	185.2	
1E	5279	158	7	23	23	14	1.00	1.00	144.3	
1F	5279	158	6	23	23	14	1.00	1.00	143.1	
1G	5279	133	7	23	23	14	1.00	1.00	137.8	
1H	5279	133	6	23	23	14	1.00	1.00	136.7	
1I	-11235	357	10	23	23	14	1.03	1.00	314.6	
1J	-11235	357	9	23	23	14	1.03	1.00	313.7	
1K	-11235	331	10	23	23	14	1.03	1.00	308.1	
1L	-11235	331	9	23	23	14	1.03	1.00	307.2	
1M	8858	357	10	23	23	14	1.00	1.00	264.0	
1N	8858	357	9	23	23	14	1.00	1.00	263.0	
1O	8858	331	10	23	23	14	1.00	1.00	257.5	
1P	8858	331	9	23	23	14	1.00	1.00	256.5	
2	-2783	28	7	23	23	14	1.03	1.00	65.9	
7	-2355	28	7	23	23	14	1.03	1.00	57.3	
8	-2524	18	5	23	23	14	1.03	1.00	57.0	

ASTA NUM. 485 NI 104 NF 105 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5269	-23	52	0	121	12	97.9	40.0	4.4	0.0	138.0	1	
1B	0	-5269	20	52	0	121	-17	97.9	43.5	4.4	0.0	141.5	1	
1C	0	-5269	-23	-153	0	-145	12	97.9	46.2	13.0	0.0	144.1	1	
1D	0	-5269	20	-153	0	-145	-17	97.9	49.7	13.0	0.0	147.7	1	
1E	0	3079	-23	52	0	121	12	57.2	40.0	4.4	0.0	97.3	1	
1F	0	3079	20	52	0	121	-17	57.2	43.5	4.4	0.0	100.8	1	
1G	0	3079	-23	-153	0	-145	12	57.2	46.2	13.0	0.0	103.4	1	
1H	0	3079	20	-153	0	-145	-17	57.2	49.7	13.0	0.0	106.9	1	
1I	0	-10198	-22	188	0	313	20	189.6	95.8	15.9	0.0	285.3	1	
1J	0	-10198	20	188	0	313	-25	189.6	99.3	15.9	0.0	288.8	1	
1K	0	-10198	-22	-289	0	-337	20	189.6	101.9	24.5	0.0	291.5	1	
1L	0	-10198	20	-289	0	-337	-25	189.6	105.4	24.5	0.0	295.0	1	
1M	0	8008	-22	188	0	313	20	148.8	95.8	15.9	0.0	244.6	1	
1N	0	8008	20	188	0	313	-25	148.8	99.3	15.9	0.0	248.1	1	
1O	0	8008	-22	-289	0	-337	20	148.8	101.9	24.5	0.0	250.8	1	
1P	0	8008	20	-289	0	-337	-25	148.8	105.4	24.5	0.0	254.3	1	
2	0	-2377	-5	-416	0	-21	-14	44.2	15.7	35.2	0.0	75.5	4	

7	0	-1988	-2	-395	0	-15	-13	37.0	13.8	33.5	0.0	69.0	4
8	0	-2183	-4	-313	0	-22	-11	40.6	13.8	26.5	0.0	61.5	4
1A	55	-5246	-23	52	0	96	-3	97.5	26.6	4.4	0.0	124.1	1
1B	55	-5246	20	52	0	96	-4	97.5	27.2	4.4	0.0	124.7	1
1C	55	-5246	-23	-153	0	-63	-3	97.5	18.4	13.0	0.0	115.9	1
1D	55	-5246	20	-153	0	-63	-4	97.5	19.0	13.0	0.0	116.5	1
1E	55	3103	-23	52	0	96	-3	57.7	26.6	4.4	0.0	84.3	1
1F	55	3103	20	52	0	96	-4	57.7	27.2	4.4	0.0	84.9	1
1G	55	3103	-23	-153	0	-63	-3	57.7	18.4	13.0	0.0	76.0	1
1H	55	3103	20	-153	0	-63	-4	57.7	19.0	13.0	0.0	76.6	1
1I	55	-10174	-22	188	0	210	4	189.1	56.9	15.9	0.0	246.0	1
1J	55	-10174	20	188	0	210	-10	189.1	61.5	15.9	0.0	250.6	1
1K	55	-10174	-22	-289	0	-178	4	189.1	48.6	24.5	0.0	237.7	1
1L	55	-10174	20	-289	0	-178	-10	189.1	53.3	24.5	0.0	242.4	1
1M	55	8031	-22	188	0	210	4	149.3	56.9	15.9	0.0	206.1	1
1N	55	8031	20	188	0	210	-10	149.3	61.5	15.9	0.0	210.8	1
1O	55	8031	-22	-289	0	-178	4	149.3	48.6	24.5	0.0	197.9	1
1P	55	8031	20	-289	0	-178	-10	149.3	53.3	24.5	0.0	202.5	1
2	55	-2347	-5	-199	0	149	-16	43.6	50.6	16.9	0.0	94.3	1
7	55	-1958	-2	-178	0	144	-14	36.4	47.7	15.1	0.0	84.1	1
8	55	-2153	-4	-161	0	109	-13	40.0	37.6	13.7	0.0	77.6	1
1A	111	-5222	-23	52	0	70	-17	97.1	31.0	4.4	0.0	128.1	1
1B	111	-5222	20	52	0	70	10	97.1	25.2	4.4	0.0	122.3	1
1C	111	-5222	-23	-153	0	18	-17	97.1	17.6	13.0	0.0	114.6	1
1D	111	-5222	20	-153	0	18	10	97.1	11.8	13.0	0.0	108.9	1
1E	111	3126	-23	52	0	70	-17	58.1	31.0	4.4	0.0	89.1	1
1F	111	3126	20	52	0	70	10	58.1	25.2	4.4	0.0	83.3	1
1G	111	3126	-23	-153	0	18	-17	58.1	17.6	13.0	0.0	75.7	1
1H	111	3126	20	-153	0	18	10	58.1	11.8	13.0	0.0	69.9	1
1I	111	-10151	-22	188	0	107	-13	188.7	37.2	15.9	0.0	225.9	1
1J	111	-10151	20	188	0	107	5	188.7	31.4	15.9	0.0	220.1	1
1K	111	-10151	-22	-289	0	-19	-13	188.7	14.5	24.5	0.0	203.2	1
1L	111	-10151	20	-289	0	-19	5	188.7	8.7	24.5	0.0	197.4	1
1M	111	8055	-22	188	0	107	-13	149.7	37.2	15.9	0.0	186.9	1
1N	111	8055	20	188	0	107	5	149.7	31.4	15.9	0.0	181.1	1
1O	111	8055	-22	-289	0	-19	-13	149.7	14.5	24.5	0.0	164.2	1
1P	111	8055	20	-289	0	-19	5	149.7	8.7	24.5	0.0	158.7	3
2	111	-2317	-5	18	0	199	-19	43.1	65.5	1.5	0.0	108.5	1
7	111	-1927	-2	38	0	182	-16	35.8	58.6	3.2	0.0	94.4	1
8	111	-2123	-4	-9	0	156	-15	39.5	51.3	0.8	0.0	90.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5269	101	7	23	23	14	1.03	1.00	132.0	
1B	-5269	101	7	23	23	14	1.03	1.00	131.8	
1C	-5269	80	7	23	23	14	1.03	1.00	126.6	
1D	-5269	80	7	23	23	14	1.03	1.00	126.4	
1E	3126	101	7	23	23	14	1.00	1.00	89.2	
1F	3126	101	7	23	23	14	1.00	1.00	89.0	
1G	3126	80	7	23	23	14	1.00	1.00	83.8	
1H	3126	80	7	23	23	14	1.00	1.00	83.6	
1I	-10198	231	8	23	23	14	1.03	1.00	260.8	
1J	-10198	231	13	23	23	14	1.03	1.00	264.5	
1K	-10198	210	8	23	23	14	1.03	1.00	255.4	
1L	-10198	210	13	23	23	14	1.03	1.00	259.1	
1M	8055	231	8	23	23	14	1.00	1.00	215.2	
1N	8055	231	13	23	23	14	1.00	1.00	218.8	
1O	8055	210	8	23	23	14	1.00	1.00	209.8	
1P	8055	210	13	23	23	14	1.00	1.00	213.4	
2	-2377	111	17	23	23	14	1.03	1.00	86.8	
7	-1988	103	15	23	23	14	1.03	1.00	75.6	
8	-2183	85	13	23	23	14	1.03	1.00	73.5	

ASTA NUM. 486 NI 105 NF 106 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3049	-21	144	0	122	28	56.7	52.7	12.2	0.0	109.4	1	
1B	0	-3049	18	144	0	122	-32	56.7	55.1	12.2	0.0	111.8	1	
1C	0	-3049	-21	-97	0	-50	28	56.7	34.2	8.3	0.0	90.9	1	
1D	0	-3049	18	-97	0	-50	-32	56.7	36.6	8.3	0.0	93.3	1	
1E	0	1833	-21	144	0	122	28	34.1	52.7	12.2	0.0	86.7	1	
1F	0	1833	18	144	0	122	-32	34.1	55.1	12.2	0.0	89.1	1	
1G	0	1833	-21	-97	0	-50	28	34.1	34.2	8.3	0.0	68.3	1	
1H	0	1833	18	-97	0	-50	-32	34.1	36.6	8.3	0.0	70.7	1	
1I	0	-2063	-19	287	0	246	18	38.4	76.9	24.3	0.0	115.3	1	
1J	0	-2063	16	287	0	246	-21	38.4	79.3	24.3	0.0	117.7	1	
1K	0	-2063	-19	-240	0	-175	18	38.4	58.5	20.3	0.0	96.8	1	
1L	0	-2063	16	-240	0	-175	-21	38.4	60.9	20.3	0.0	99.2	1	
1M	0	847	-19	287	0	246	18	15.7	76.9	24.3	0.0	92.7	1	
1N	0	847	16	287	0	246	-21	15.7	79.3	24.3	0.0	95.1	1	
1O	0	847	-19	-240	0	-175	18	15.7	58.5	20.3	0.0	74.2	1	
1P	0	847	16	-240	0	-175	-21	15.7	60.9	20.3	0.0	76.6	1	
2	0	1221	-6	-222	0	135	-11	22.7	43.1	18.8	0.0	65.8	1	
7	0	1340	-4	-228	0	123	-10	24.9	39.0	19.3	0.0	63.9	1	

8	0	587	-5	-148	0	107	-8	10.9	33.8	12.5	0.0	44.8	1
1A	55	-3026	-21	144	0	41	22	56.2	27.0	12.2	0.0	83.3	1
1B	55	-3026	18	144	0	41	-27	56.2	30.8	12.2	0.0	87.0	1
1C	55	-3026	-21	-97	0	5	22	56.2	18.0	8.3	0.0	74.2	1
1D	55	-3026	18	-97	0	5	-27	56.2	21.7	8.3	0.0	78.0	1
1E	55	1857	-21	144	0	41	22	34.5	27.0	12.2	0.0	61.5	1
1F	55	1857	18	144	0	41	-27	34.5	30.8	12.2	0.0	65.3	1
1G	55	1857	-21	-97	0	5	22	34.5	18.0	8.3	0.0	52.5	1
1H	55	1857	18	-97	0	5	-27	34.5	21.7	8.3	0.0	56.2	1
1I	55	-2040	-19	287	0	87	13	37.9	32.0	24.3	0.0	70.0	1
1J	55	-2040	16	287	0	87	-18	37.9	35.8	24.3	0.0	73.7	1
1K	55	-2040	-19	-240	0	-41	13	37.9	20.3	20.3	0.0	58.2	1
1L	55	-2040	16	-240	0	-41	-18	37.9	24.0	20.3	0.0	61.9	1
1M	55	871	-19	287	0	87	13	16.2	32.0	24.3	0.0	52.2	3
1N	55	871	16	287	0	87	-18	16.2	35.8	24.3	0.0	52.3	3
1O	55	871	-19	-240	0	-41	13	16.2	20.3	20.3	0.0	40.6	3
1P	55	871	16	-240	0	-41	-18	16.2	24.0	20.3	0.0	40.7	3
2	55	1252	-6	-5	0	198	-15	23.3	62.0	0.5	0.0	85.2	1
7	55	1370	-4	-11	0	189	-12	25.5	57.6	0.9	0.0	83.1	1
8	55	617	-5	4	0	147	-11	11.5	46.2	0.3	0.0	57.7	1
1A	111	-3003	-21	144	0	-41	16	55.8	22.5	12.2	0.0	78.3	1
1B	111	-3003	18	144	0	-41	-23	55.8	27.6	12.2	0.0	83.4	1
1C	111	-3003	-21	-97	0	61	16	55.8	27.6	8.3	0.0	83.4	1
1D	111	-3003	18	-97	0	61	-23	55.8	32.7	8.3	0.0	88.5	1
1E	111	1880	-21	144	0	-41	16	34.9	22.5	12.2	0.0	57.5	1
1F	111	1880	18	144	0	-41	-23	34.9	27.6	12.2	0.0	62.6	1
1G	111	1880	-21	-97	0	61	16	34.9	27.6	8.3	0.0	62.5	1
1H	111	1880	18	-97	0	61	-23	34.9	32.7	8.3	0.0	67.6	1
1I	111	-2017	-19	287	0	-72	8	37.5	24.3	24.3	0.0	65.9	3
1J	111	-2017	16	287	0	-72	-14	37.5	29.4	24.3	0.0	66.9	1
1K	111	-2017	-19	-240	0	92	8	37.5	29.4	20.3	0.0	66.9	1
1L	111	-2017	16	-240	0	92	-14	37.5	34.5	20.3	0.0	72.0	1
1M	111	894	-19	287	0	-72	8	16.6	24.3	24.3	0.0	50.1	3
1N	111	894	16	287	0	-72	-14	16.6	29.4	24.3	0.0	50.2	3
1O	111	894	-19	-240	0	92	8	16.6	29.4	20.3	0.0	49.1	3
1P	111	894	16	-240	0	92	-14	16.6	34.5	20.3	0.0	51.1	1
2	111	1282	-6	211	0	141	-18	23.8	49.9	17.9	0.0	73.8	1
7	111	1401	-4	206	0	135	-14	26.0	45.3	17.4	0.0	71.4	1
8	111	647	-5	155	0	103	-14	12.0	36.9	13.2	0.0	49.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3049	57	23	23	23	14	1.03	1.00	90.6	
1B	-3049	57	28	23	23	14	1.03	1.00	94.1	
1C	-3049	24	23	23	23	14	1.03	1.00	82.2	
1D	-3049	24	28	23	23	14	1.03	1.00	85.7	
1E	1880	57	23	23	23	14	1.00	1.00	67.1	
1F	1880	57	28	23	23	14	1.00	1.00	70.6	
1G	1880	24	23	23	23	14	1.00	1.00	58.7	
1H	1880	24	28	23	23	14	1.00	1.00	62.2	
1I	-2063	119	14	23	23	14	1.03	1.00	80.5	
1J	-2063	119	19	23	23	14	1.03	1.00	84.0	
1K	-2063	70	14	23	23	14	1.03	1.00	67.9	
1L	-2063	70	19	23	23	14	1.03	1.00	71.4	
1M	894	119	14	23	23	14	1.00	1.00	57.6	
1N	894	119	19	23	23	14	1.00	1.00	61.1	
1O	894	70	14	23	23	14	1.00	1.00	45.0	
1P	894	70	19	23	23	14	1.00	1.00	48.5	
2	1282	139	15	23	23	14	1.00	1.00	71.0	
7	1401	130	12	23	23	14	1.00	1.00	68.8	
8	647	105	12	23	23	14	1.00	1.00	47.9	

ASTA NUM. 487 NI 106 NF 107 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-841	-19	72	0	32	30	15.6	30.2	6.1	0.0	45.9	1	
1B	0	-841	32	72	0	32	-40	15.6	38.0	6.1	0.0	53.6	1	
1C	0	-841	-19	-178	0	-26	30	15.6	28.8	15.1	0.0	44.4	1	
1D	0	-841	32	-178	0	-26	-40	15.6	36.5	15.1	0.0	52.2	1	
1E	0	-181	-19	72	0	32	30	3.4	30.2	6.1	0.0	33.6	1	
1F	0	-181	32	72	0	32	-40	3.4	38.0	6.1	0.0	41.3	1	
1G	0	-181	-19	-178	0	-26	30	3.4	28.8	15.1	0.0	32.2	1	
1H	0	-181	32	-178	0	-26	-40	3.4	36.5	15.1	0.0	39.9	1	
1I	0	-1120	-18	275	0	75	16	20.8	31.5	23.3	0.0	52.6	3	
1J	0	-1120	31	275	0	75	-26	20.8	39.2	23.3	0.0	60.0	1	
1K	0	-1120	-18	-381	0	-70	16	20.8	30.0	32.3	0.0	61.9	3	
1L	0	-1120	31	-381	0	-70	-26	20.8	37.8	32.3	0.0	62.1	3	
1M	0	97	-18	275	0	75	16	1.8	31.5	23.3	0.0	40.7	3	
1N	0	97	31	275	0	75	-26	1.8	39.2	23.3	0.0	41.0	1	
1O	0	97	-18	-381	0	-70	16	1.8	30.0	32.3	0.0	55.9	4	
1P	0	97	31	-381	0	-70	-26	1.8	37.8	32.3	0.0	55.9	4	
2	0	1301	27	-282	0	108	-20	24.2	42.8	23.9	0.0	67.0	1	
7	0	1399	24	-274	0	106	-17	26.0	40.1	23.2	0.0	66.1	1	
8	0	693	21	-221	0	76	-16	12.9	31.4	18.7	0.0	44.2	1	

1A	55	-818	-19	72	0	-9	24	15.2	20.6	6.1	0.0	35.8	1
1B	55	-818	32	72	0	-9	-28	15.2	23.1	6.1	0.0	38.3	1
1C	55	-818	-19	-178	0	73	24	15.2	37.1	15.1	0.0	52.3	1
1D	55	-818	32	-178	0	73	-28	15.2	39.6	15.1	0.0	54.8	1
1E	55	-158	-19	72	0	-9	24	2.9	20.6	6.1	0.0	23.6	1
1F	55	-158	32	72	0	-9	-28	2.9	23.1	6.1	0.0	26.0	1
1G	55	-158	-19	-178	0	73	24	2.9	37.1	15.1	0.0	40.1	1
1H	55	-158	32	-178	0	73	-28	2.9	39.6	15.1	0.0	42.6	1
1I	55	-1096	-18	275	0	-77	2	20.4	21.3	23.3	0.0	52.3	3
1J	55	-1096	31	275	0	-77	-5	20.4	23.7	23.3	0.0	52.3	3
1K	55	-1096	-18	-381	0	141	2	20.4	37.8	32.3	0.0	72.4	3
1L	55	-1096	31	-381	0	141	-5	20.4	40.3	32.3	0.0	72.5	3
1M	55	121	-18	275	0	-77	2	2.2	21.3	23.3	0.0	40.9	3
1N	55	121	31	275	0	-77	-5	2.2	23.7	23.3	0.0	41.0	3
1O	55	121	-18	-381	0	141	2	2.2	37.8	32.3	0.0	60.5	3
1P	55	121	31	-381	0	141	-5	2.2	40.3	32.3	0.0	60.5	3
2	55	1332	27	-65	0	204	-5	24.7	56.3	5.5	0.0	81.0	1
7	55	1430	24	-57	0	197	-4	26.6	53.9	4.8	0.0	80.4	1
8	55	723	21	-69	0	156	-4	13.4	43.3	5.8	0.0	56.7	1
1A	111	-795	-19	72	0	-50	19	14.8	27.3	6.1	0.0	42.1	1
1B	111	-795	32	72	0	-50	-15	14.8	24.5	6.1	0.0	39.3	1
1C	111	-795	-19	-178	0	173	19	14.8	58.9	15.1	0.0	73.6	1
1D	111	-795	32	-178	0	173	-15	14.8	56.1	15.1	0.0	70.9	1
1E	111	-134	-19	72	0	-50	19	2.5	27.3	6.1	0.0	29.8	1
1F	111	-134	32	72	0	-50	-15	2.5	24.5	6.1	0.0	27.0	1
1G	111	-134	-19	-178	0	173	19	2.5	58.9	15.1	0.0	61.4	1
1H	111	-134	32	-178	0	173	-15	2.5	56.1	15.1	0.0	58.6	1
1I	111	-1073	-18	275	0	-229	-12	19.9	68.2	23.3	0.0	88.1	1
1J	111	-1073	31	275	0	-229	16	19.9	71.0	23.3	0.0	90.9	1
1K	111	-1073	-18	-381	0	352	-12	19.9	99.8	32.3	0.0	119.7	1
1L	111	-1073	31	-381	0	352	16	19.9	102.6	32.3	0.0	122.5	1
1M	111	144	-18	275	0	-229	-12	2.7	68.2	23.3	0.0	70.9	1
1N	111	144	31	275	0	-229	16	2.7	71.0	23.3	0.0	73.7	1
1O	111	144	-18	-381	0	352	-12	2.7	99.8	32.3	0.0	102.5	1
1P	111	144	31	-381	0	352	16	2.7	102.6	32.3	0.0	105.2	1
2	111	1362	27	151	0	180	10	25.3	53.7	12.8	0.0	79.0	1
7	111	1460	24	160	0	169	9	27.1	50.2	13.5	0.0	77.3	1
8	111	754	21	83	0	152	7	14.0	44.5	7.0	0.0	58.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-841	20	25	23	23	14	1.03	1.00	40.3	
1B	-841	20	30	23	23	14	1.03	1.00	43.8	
1C	-841	93	25	23	23	14	1.03	1.00	59.1	
1D	-841	93	30	23	23	14	1.03	1.00	62.7	
1E	-181	20	25	23	23	14	1.03	1.00	27.6	
1F	-181	20	30	23	23	14	1.03	1.00	31.2	
1G	-181	93	25	23	23	14	1.03	1.00	46.5	
1H	-181	93	30	23	23	14	1.03	1.00	50.0	
1I	-1120	107	6	23	23	14	1.03	1.00	53.9	
1J	-1120	107	11	23	23	14	1.03	1.00	57.0	
1K	-1120	183	6	23	23	14	1.03	1.00	73.5	
1L	-1120	183	11	23	23	14	1.03	1.00	76.6	
1M	144	107	6	23	23	14	1.00	1.00	35.2	
1N	144	107	11	23	23	14	1.00	1.00	38.3	
1O	144	183	6	23	23	14	1.00	1.00	54.7	
1P	144	183	11	23	23	14	1.00	1.00	57.8	
2	1362	151	8	23	23	14	1.00	1.00	70.3	
7	1460	144	7	23	23	14	1.00	1.00	69.3	
8	754	121	7	23	23	14	1.00	1.00	50.2	

ASTA NUM. 488 NI 107 NF 108 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2345	-43	232	0	120	45	43.6	64.3	19.7	0.0	107.9	1	
1B	0	-2345	51	232	0	120	-45	43.6	64.4	19.7	0.0	108.0	1	
1C	0	-2345	-43	-115	0	-12	45	43.6	36.4	9.7	0.0	80.0	1	
1D	0	-2345	51	-115	0	-12	-45	43.6	36.5	9.7	0.0	80.1	1	
1E	0	2195	-43	232	0	120	45	40.8	64.3	19.7	0.0	105.1	1	
1F	0	2195	51	232	0	120	-45	40.8	64.4	19.7	0.0	105.2	1	
1G	0	2195	-43	-115	0	-12	45	40.8	36.4	9.7	0.0	77.2	1	
1H	0	2195	51	-115	0	-12	-45	40.8	36.5	9.7	0.0	77.3	1	
1I	0	-5218	-24	472	0	235	30	97.0	83.0	40.1	0.0	180.0	1	
1J	0	-5218	32	472	0	235	-30	97.0	83.0	40.1	0.0	180.0	1	
1K	0	-5218	-24	-355	0	-127	30	97.0	55.1	30.1	0.0	152.1	1	
1L	0	-5218	32	-355	0	-127	-30	97.0	55.1	30.1	0.0	152.1	1	
1M	0	5067	-24	472	0	235	30	94.2	83.0	40.1	0.0	177.2	1	
1N	0	5067	32	472	0	235	-30	94.2	83.0	40.1	0.0	177.2	1	
1O	0	5067	-24	-355	0	-127	30	94.2	55.1	30.1	0.0	149.3	1	
1P	0	5067	32	-355	0	-127	-30	94.2	55.1	30.1	0.0	149.3	1	
2	0	2321	17	-184	0	165	-1	43.1	43.2	15.6	0.0	86.4	1	
7	0	1990	15	-145	0	161	-2	37.0	43.0	12.3	0.0	80.0	1	
8	0	1623	13	-109	0	137	-1	30.2	35.8	9.2	0.0	65.9	1	

1A	55	-2322	-43	232	0	182	16	43.2	58.5	19.7	0.0	101.6	1
1B	55	-2322	51	232	0	182	-11	43.2	55.4	19.7	0.0	98.5	1
1C	55	-2322	-43	-115	0	-138	16	43.2	47.2	9.7	0.0	90.4	1
1D	55	-2322	51	-115	0	-138	-11	43.2	44.2	9.7	0.0	87.3	1
1E	55	2218	-43	232	0	182	16	41.2	58.5	19.7	0.0	99.7	1
1F	55	2218	51	232	0	182	-11	41.2	55.4	19.7	0.0	96.6	1
1G	55	2218	-43	-115	0	-138	16	41.2	47.2	9.7	0.0	88.5	1
1H	55	2218	51	-115	0	-138	-11	41.2	44.2	9.7	0.0	85.4	1
1I	55	-5195	-24	472	0	431	11	96.6	118.8	40.1	0.0	215.4	1
1J	55	-5195	32	472	0	431	-7	96.6	115.8	40.1	0.0	212.3	1
1K	55	-5195	-24	-355	0	-387	11	96.6	107.6	30.1	0.0	204.2	1
1L	55	-5195	32	-355	0	-387	-7	96.6	104.6	30.1	0.0	201.1	1
1M	55	5091	-24	472	0	431	11	94.6	118.8	40.1	0.0	213.5	1
1N	55	5091	32	472	0	431	-7	94.6	115.8	40.1	0.0	210.4	1
1O	55	5091	-24	-355	0	-387	11	94.6	107.6	30.1	0.0	202.2	1
1P	55	5091	32	-355	0	-387	-7	94.6	104.6	30.1	0.0	199.2	1
2	55	2352	17	32	0	207	9	43.7	59.6	2.7	0.0	103.3	1
7	55	2020	15	72	0	181	7	37.6	51.6	6.1	0.0	89.1	1
8	55	1654	13	43	0	156	7	30.7	45.2	3.6	0.0	76.0	1
1A	111	-2298	-43	232	0	244	-14	42.7	72.8	19.7	0.0	115.5	1
1B	111	-2298	51	232	0	244	22	42.7	79.0	19.7	0.0	121.7	1
1C	111	-2298	-43	-115	0	-265	-14	42.7	78.3	9.7	0.0	121.0	1
1D	111	-2298	51	-115	0	-265	22	42.7	84.4	9.7	0.0	127.2	1
1E	111	2241	-43	232	0	244	-14	41.7	72.8	19.7	0.0	114.5	1
1F	111	2241	51	232	0	244	22	41.7	79.0	19.7	0.0	120.6	1
1G	111	2241	-43	-115	0	-265	-14	41.7	78.3	9.7	0.0	119.9	1
1H	111	2241	51	-115	0	-265	22	41.7	84.4	9.7	0.0	126.1	1
1I	111	-5171	-24	472	0	626	-9	96.1	167.7	40.1	0.0	263.8	1
1J	111	-5171	32	472	0	626	17	96.1	173.9	40.1	0.0	270.0	1
1K	111	-5171	-24	-355	0	-648	-9	96.1	173.2	30.1	0.0	269.3	1
1L	111	-5171	32	-355	0	-648	17	96.1	179.4	30.1	0.0	275.5	1
1M	111	5114	-24	472	0	626	-9	95.1	167.7	40.1	0.0	262.8	1
1N	111	5114	32	472	0	626	17	95.1	173.9	40.1	0.0	268.9	1
1O	111	5114	-24	-355	0	-648	-9	95.1	173.2	30.1	0.0	268.3	1
1P	111	5114	32	-355	0	-648	17	95.1	179.4	30.1	0.0	274.4	1
2	111	2382	17	249	0	129	18	44.3	46.8	21.1	0.0	91.1	1
7	111	2051	15	288	0	82	15	38.1	32.3	24.5	0.0	70.4	1
8	111	1684	13	194	0	90	14	31.3	33.9	16.5	0.0	65.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2345	194	21	23	23	14	1.03	1.00	110.9	
1B	-2345	194	18	23	23	14	1.03	1.00	108.5	
1C	-2345	164	21	23	23	14	1.03	1.00	103.0	
1D	-2345	164	18	23	23	14	1.03	1.00	100.6	
1E	2241	194	21	23	23	14	1.00	1.00	107.6	
1F	2241	194	18	23	23	14	1.00	1.00	105.2	
1G	2241	164	21	23	23	14	1.00	1.00	99.8	
1H	2241	164	18	23	23	14	1.00	1.00	97.3	
1I	-5218	470	15	23	23	14	1.03	1.00	231.8	
1J	-5218	470	12	23	23	14	1.03	1.00	230.0	
1K	-5218	439	15	23	23	14	1.03	1.00	224.0	
1L	-5218	439	12	23	23	14	1.03	1.00	222.1	
1M	5114	470	15	23	23	14	1.00	1.00	226.9	
1N	5114	470	12	23	23	14	1.00	1.00	225.0	
1O	5114	439	15	23	23	14	1.00	1.00	219.0	
1P	5114	439	12	23	23	14	1.00	1.00	217.1	
2	2382	150	10	23	23	14	1.00	1.00	90.8	
7	2051	129	8	23	23	14	1.00	1.00	77.6	
8	1684	119	8	23	23	14	1.00	1.00	68.0	

ASTA NUM. 489 NI 108 NF 118 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2179	-14	280	0	252	12	40.5	73.6	23.7	0.0	114.1	1	
1B	0	-2179	25	280	0	252	-18	40.5	78.0	23.7	0.0	118.5	1	
1C	0	-2179	-14	-473	0	-289	12	40.5	83.2	40.1	0.0	123.7	3	
1D	0	-2179	25	-473	0	-289	-18	40.5	87.6	40.1	0.0	128.1	1	
1E	0	2184	-14	280	0	252	12	40.6	73.6	23.7	0.0	114.2	1	
1F	0	2184	25	280	0	252	-18	40.6	78.0	23.7	0.0	118.6	1	
1G	0	2184	-14	-473	0	-289	12	40.6	83.2	40.1	0.0	123.8	3	
1H	0	2184	25	-473	0	-289	-18	40.6	87.6	40.1	0.0	128.2	1	
1I	0	-4857	-22	870	0	671	23	90.3	189.7	73.7	0.0	279.9	1	
1J	0	-4857	33	870	0	671	-29	90.3	194.1	73.7	0.0	284.4	1	
1K	0	-4857	-22	-1063	0	-708	23	90.3	199.2	90.1	0.0	289.5	1	
1L	0	-4857	33	-1063	0	-708	-29	90.3	203.7	90.1	0.0	293.9	1	
1M	0	4862	-22	870	0	671	23	90.4	189.7	73.7	0.0	280.0	1	
1N	0	4862	33	870	0	671	-29	90.4	194.1	73.7	0.0	284.4	1	
1O	0	4862	-22	-1063	0	-708	23	90.4	199.2	90.1	0.0	289.6	1	
1P	0	4862	33	-1063	0	-708	-29	90.4	203.7	90.1	0.0	294.0	1	
2	0	2548	17	-228	0	106	-9	47.4	34.4	19.3	0.0	81.7	1	
7	0	2139	16	-227	0	72	-10	39.8	25.9	19.2	0.0	65.7	1	
8	0	1811	13	-192	0	71	-7	33.7	23.5	16.3	0.0	57.2	1	
1A	55	-2156	-14	280	0	96	3	40.1	26.7	23.7	0.0	72.1	3	

1B	55	-2156	25	280	0	96	-3	40.1	26.6	23.7	0.0	72.1	3
1C	55	-2156	-14	-473	0	-26	3	40.1	8.7	40.1	0.0	80.3	4
1D	55	-2156	25	-473	0	-26	-3	40.1	8.7	40.1	0.0	80.3	4
1E	55	2207	-14	280	0	96	3	41.0	26.7	23.7	0.0	73.0	3
1F	55	2207	25	280	0	96	-3	41.0	26.6	23.7	0.0	73.0	3
1G	55	2207	-14	-473	0	-26	3	41.0	8.7	40.1	0.0	80.7	4
1H	55	2207	25	-473	0	-26	-3	41.0	8.7	40.1	0.0	80.7	4
1I	55	-4834	-22	870	0	190	10	89.8	56.2	73.7	0.0	175.1	3
1J	55	-4834	33	870	0	190	-10	89.8	56.2	73.7	0.0	175.1	3
1K	55	-4834	-22	-1063	0	-120	10	89.8	38.2	90.1	0.0	181.4	3
1L	55	-4834	33	-1063	0	-120	-10	89.8	38.2	90.1	0.0	181.4	3
1M	55	4885	-22	870	0	190	10	90.8	56.2	73.7	0.0	175.8	3
1N	55	4885	33	870	0	190	-10	90.8	56.2	73.7	0.0	175.8	3
1O	55	4885	-22	-1063	0	-120	10	90.8	38.2	90.1	0.0	182.1	3
1P	55	4885	33	-1063	0	-120	-10	90.8	38.2	90.1	0.0	182.1	3
2	55	2578	17	-11	0	172	-0	47.9	44.5	0.9	0.0	92.4	1
7	55	2169	16	-10	0	138	-1	40.3	36.3	0.9	0.0	76.6	1
8	55	1842	13	-40	0	136	0	34.2	35.1	3.4	0.0	69.3	1
1A	111	-2133	-14	280	0	-59	-7	39.6	20.2	23.7	0.0	64.6	3
1B	111	-2133	25	280	0	-59	13	39.6	24.7	23.7	0.0	64.8	3
1C	111	-2133	-14	-473	0	236	-7	39.6	65.7	40.1	0.0	112.5	3
1D	111	-2133	25	-473	0	236	13	39.6	70.2	40.1	0.0	112.6	3
1E	111	2231	-14	280	0	-59	-7	41.5	20.2	23.7	0.0	66.2	3
1F	111	2231	25	280	0	-59	13	41.5	24.7	23.7	0.0	66.3	3
1G	111	2231	-14	-473	0	236	-7	41.5	65.7	40.1	0.0	114.0	3
1H	111	2231	25	-473	0	236	13	41.5	70.2	40.1	0.0	114.1	3
1I	111	-4811	-22	870	0	-292	-3	89.4	77.2	73.7	0.0	193.2	3
1J	111	-4811	33	870	0	-292	9	89.4	81.8	73.7	0.0	193.3	3
1K	111	-4811	-22	-1063	0	469	-3	89.4	122.8	90.1	0.0	240.9	3
1L	111	-4811	33	-1063	0	469	9	89.4	127.3	90.1	0.0	241.1	3
1M	111	4909	-22	870	0	-292	-3	91.2	77.2	73.7	0.0	194.7	3
1N	111	4909	33	870	0	-292	9	91.2	81.8	73.7	0.0	194.8	3
1O	111	4909	-22	-1063	0	469	-3	91.2	122.8	90.1	0.0	242.4	3
1P	111	4909	33	-1063	0	469	9	91.2	127.3	90.1	0.0	242.6	3
2	111	2609	17	206	0	119	9	48.5	37.2	17.4	0.0	85.7	1
7	111	2199	16	206	0	84	8	40.9	27.3	17.5	0.0	68.1	1
8	111	1872	13	111	0	116	7	34.8	35.4	9.4	0.0	70.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2179	127	5	23	23	14	1.03	1.00	78.0	
1B	-2179	127	7	23	23	14	1.03	1.00	79.8	
1C	-2179	116	5	23	23	14	1.03	1.00	75.0	
1D	-2179	116	7	23	23	14	1.03	1.00	76.8	
1E	2231	127	5	23	23	14	1.00	1.00	77.7	
1F	2231	127	7	23	23	14	1.00	1.00	79.5	
1G	2231	116	5	23	23	14	1.00	1.00	74.7	
1H	2231	116	7	23	23	14	1.00	1.00	76.5	
1I	-4857	286	12	23	23	14	1.03	1.00	176.0	
1J	-4857	286	14	23	23	14	1.03	1.00	176.8	
1K	-4857	283	12	23	23	14	1.03	1.00	175.3	
1L	-4857	283	14	23	23	14	1.03	1.00	176.2	
1M	4909	286	12	23	23	14	1.00	1.00	174.1	
1N	4909	286	14	23	23	14	1.00	1.00	175.0	
1O	4909	283	12	23	23	14	1.00	1.00	173.5	
1P	4909	283	14	23	23	14	1.00	1.00	174.3	
2	2609	114	4	23	23	14	1.00	1.00	80.6	
7	2199	79	4	23	23	14	1.00	1.00	64.1	
8	1872	98	3	23	23	14	1.00	1.00	62.3	

ASTA NUM. 490 NI 61 NF 62 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8594	-10	153	0	195	15	159.7	61.2	13.0	0.0	221.0	1	
1B	0	-8594	14	153	0	195	-9	159.7	56.7	13.0	0.0	216.5	1	
1C	0	-8594	-10	-141	0	-218	15	159.7	67.1	12.0	0.0	226.9	1	
1D	0	-8594	14	-141	0	-218	-9	159.7	62.6	12.0	0.0	222.4	1	
1E	0	4168	-10	153	0	195	15	77.5	61.2	13.0	0.0	138.7	1	
1F	0	4168	14	153	0	195	-9	77.5	56.7	13.0	0.0	134.2	1	
1G	0	4168	-10	-141	0	-218	15	77.5	67.1	12.0	0.0	144.6	1	
1H	0	4168	14	-141	0	-218	-9	77.5	62.6	12.0	0.0	140.1	1	
1I	0	-14838	-14	119	0	359	20	275.8	107.3	10.1	0.0	383.1	1	
1J	0	-14838	18	119	0	359	-14	275.8	102.8	10.1	0.0	378.6	1	
1K	0	-14838	-14	-107	0	-382	20	275.8	113.2	9.1	0.0	389.0	1	
1L	0	-14838	18	-107	0	-382	-14	275.8	108.7	9.1	0.0	384.5	1	
1M	0	10412	-14	119	0	359	20	193.5	107.3	10.1	0.0	300.8	1	
1N	0	10412	18	119	0	359	-14	193.5	102.8	10.1	0.0	296.3	1	
1O	0	10412	-14	-107	0	-382	20	193.5	113.2	9.1	0.0	306.7	1	
1P	0	10412	18	-107	0	-382	-14	193.5	108.7	9.1	0.0	302.2	1	
2	0	-13070	16	-441	0	-322	18	242.9	96.0	37.4	0.0	338.9	1	
7	0	-11380	14	-429	0	-296	15	211.5	87.6	36.4	0.0	299.1	1	
8	0	-10250	12	-308	0	-238	14	190.5	71.3	26.1	0.0	261.9	1	
1A	55	-8571	-10	153	0	151	17	159.3	51.4	13.0	0.0	210.7	1	
1B	55	-8571	14	153	0	151	-9	159.3	45.3	13.0	0.0	204.6	1	

1C	55	-8571	-10	-141	0	-180	17	159.3	59.0	12.0	0.0	218.3	1
1D	55	-8571	14	-141	0	-180	-9	159.3	52.9	12.0	0.0	212.2	1
1E	55	4191	-10	153	0	151	17	77.9	51.4	13.0	0.0	129.3	1
1F	55	4191	14	153	0	151	-9	77.9	45.3	13.0	0.0	123.2	1
1G	55	4191	-10	-141	0	-180	17	77.9	59.0	12.0	0.0	136.9	1
1H	55	4191	14	-141	0	-180	-9	77.9	52.9	12.0	0.0	130.8	1
1I	55	-14815	-14	119	0	305	28	275.4	99.4	10.1	0.0	374.7	1
1J	55	-14815	18	119	0	305	-20	275.4	93.3	10.1	0.0	368.6	1
1K	55	-14815	-14	-107	0	-335	28	275.4	107.0	9.1	0.0	382.3	1
1L	55	-14815	18	-107	0	-335	-20	275.4	100.9	9.1	0.0	376.2	1
1M	55	10435	-14	119	0	305	28	194.0	99.4	10.1	0.0	293.3	1
1N	55	10435	18	119	0	305	-20	194.0	93.3	10.1	0.0	287.2	1
1O	55	10435	-14	-107	0	-335	28	194.0	107.0	9.1	0.0	300.9	1
1P	55	10435	18	-107	0	-335	-20	194.0	100.9	9.1	0.0	294.8	1
2	55	-13040	16	-224	0	-138	26	242.4	55.3	19.0	0.0	297.7	1
7	55	-11350	14	-213	0	-118	23	211.0	47.7	18.0	0.0	258.7	1
8	55	-10215	12	-157	0	-109	21	189.9	43.4	13.3	0.0	233.3	1
1A	111	-8548	-10	153	0	107	19	158.9	41.6	13.0	0.0	200.4	1
1B	111	-8548	14	153	0	107	-9	158.9	33.9	13.0	0.0	192.7	1
1C	111	-8548	-10	-141	0	-143	19	158.9	50.9	12.0	0.0	209.7	1
1D	111	-8548	14	-141	0	-143	-9	158.9	43.2	12.0	0.0	202.0	1
1E	111	4214	-10	153	0	107	19	78.3	41.6	13.0	0.0	119.9	1
1F	111	4214	14	153	0	107	-9	78.3	33.9	13.0	0.0	112.2	1
1G	111	4214	-10	-141	0	-143	19	78.3	50.9	12.0	0.0	129.2	1
1H	111	4214	14	-141	0	-143	-9	78.3	43.2	12.0	0.0	121.5	1
1I	111	-14792	-14	119	0	251	36	274.9	91.5	10.1	0.0	366.4	1
1J	111	-14792	18	119	0	251	-25	274.9	83.7	10.1	0.0	358.7	1
1K	111	-14792	-14	-107	0	-288	36	274.9	100.8	9.1	0.0	375.7	1
1L	111	-14792	18	-107	0	-288	-25	274.9	93.0	9.1	0.0	368.0	1
1M	111	10458	-14	119	0	251	36	194.4	91.5	10.1	0.0	285.8	1
1N	111	10458	18	119	0	251	-25	194.4	83.7	10.1	0.0	278.1	1
1O	111	10458	-14	-107	0	-288	36	194.4	100.8	9.1	0.0	295.1	1
1P	111	10458	18	-107	0	-288	-25	194.4	93.0	9.1	0.0	287.4	1
2	111	-13010	16	-8	0	-74	35	241.8	45.6	0.6	0.0	287.4	1
7	111	-11320	14	4	0	-60	31	210.4	38.6	0.5	0.0	249.0	1
8	111	-10180	12	-5	0	-64	27	189.2	37.0	0.5	0.0	226.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8594	159	17	23	23	14	1.03	1.00	218.6	
1B	-8594	159	9	23	23	14	1.03	1.00	212.2	
1C	-8594	188	17	23	23	14	1.03	1.00	225.9	
1D	-8594	188	9	23	23	14	1.03	1.00	219.5	
1E	4214	159	17	23	23	14	1.00	1.00	132.3	
1F	4214	159	9	23	23	14	1.00	1.00	125.9	
1G	4214	188	17	23	23	14	1.00	1.00	139.6	
1H	4214	188	9	23	23	14	1.00	1.00	133.2	
1I	-14838	316	29	23	23	14	1.03	1.00	387.7	
1J	-14838	316	21	23	23	14	1.03	1.00	381.3	
1K	-14838	344	29	23	23	14	1.03	1.00	395.0	
1L	-14838	344	21	23	23	14	1.03	1.00	388.6	
1M	10458	316	29	23	23	14	1.00	1.00	297.7	
1N	10458	316	21	23	23	14	1.00	1.00	291.3	
1O	10458	344	29	23	23	14	1.00	1.00	305.0	
1P	10458	344	21	23	23	14	1.00	1.00	298.5	
2	-13070	223	28	23	23	14	1.03	1.00	329.0	
7	-11380	201	25	23	23	14	1.03	1.00	288.4	
8	-10250	168	22	23	23	14	1.03	1.00	256.1	

ASTA NUM. 491 NI 62 NF 63 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-8409	-43	-3	0	94	28	156.3	44.9	1.6	0.0	201.2	1	
1B	0	-8409	32	-3	0	94	-15	156.3	35.3	1.2	0.0	191.6	1	
1C	0	-8409	-43	-162	0	-184	28	156.3	68.2	13.7	0.0	224.5	1	
1D	0	-8409	32	-162	0	-184	-15	156.3	58.6	13.7	0.0	214.9	1	
1E	0	4323	-43	-3	0	94	28	80.4	44.9	1.6	0.0	125.3	1	
1F	0	4323	32	-3	0	94	-15	80.4	35.3	1.2	0.0	115.6	1	
1G	0	4323	-43	-162	0	-184	28	80.4	68.2	13.7	0.0	148.6	1	
1H	0	4323	32	-162	0	-184	-15	80.4	58.6	13.7	0.0	138.9	1	
1I	0	-14363	-37	63	0	302	42	267.0	109.4	5.3	0.0	376.3	1	
1J	0	-14363	26	63	0	302	-29	267.0	99.7	5.3	0.0	366.7	1	
1K	0	-14363	-37	-228	0	-393	42	267.0	132.7	19.3	0.0	399.6	1	
1L	0	-14363	26	-228	0	-393	-29	267.0	123.0	19.3	0.0	390.0	1	
1M	0	10277	-37	63	0	302	42	191.0	109.4	5.3	0.0	300.4	1	
1N	0	10277	26	63	0	302	-29	191.0	99.7	5.3	0.0	290.7	1	
1O	0	10277	-37	-228	0	-393	42	191.0	132.7	19.3	0.0	323.7	1	
1P	0	10277	26	-228	0	-393	-29	191.0	123.0	19.3	0.0	314.0	1	
2	0	-12010	-32	-702	0	-321	39	223.2	112.0	59.5	0.0	335.2	1	
7	0	-10430	-28	-633	0	-279	35	193.9	97.7	53.7	0.0	291.6	1	
8	0	-9426	-25	-526	0	-249	31	175.2	87.0	44.6	0.0	262.2	1	
1A	55	-8386	-43	-3	0	115	1	155.9	30.2	1.6	0.0	186.0	1	
1B	55	-8386	32	-3	0	115	6	155.9	34.1	1.2	0.0	190.0	1	
1C	55	-8386	-43	-162	0	-114	1	155.9	30.0	13.7	0.0	185.9	1	

1D	55	-8386	32	-162	0	-114	6	155.9	34.0	13.7	0.0	189.8	1
1E	55	4346	-43	-3	0	115	1	80.8	30.2	1.6	0.0	110.9	1
1F	55	4346	32	-3	0	115	6	80.8	34.1	1.2	0.0	114.9	1
1G	55	4346	-43	-162	0	-114	1	80.8	30.0	13.7	0.0	110.8	1
1H	55	4346	32	-162	0	-114	6	80.8	34.0	13.7	0.0	114.7	1
1I	55	-14340	-37	63	0	273	29	266.5	91.9	5.3	0.0	358.5	1
1J	55	-14340	26	63	0	273	-22	266.5	86.8	5.3	0.0	353.4	1
1K	55	-14340	-37	-228	0	-273	29	266.5	91.8	19.3	0.0	358.4	1
1L	55	-14340	26	-228	0	-273	-22	266.5	86.7	19.3	0.0	353.2	1
1M	55	10300	-37	63	0	273	29	191.5	91.9	5.3	0.0	283.4	1
1N	55	10300	26	63	0	273	-22	191.5	86.8	5.3	0.0	278.3	1
1O	55	10300	-37	-228	0	-273	29	191.5	91.8	19.3	0.0	283.3	1
1P	55	10300	26	-228	0	-273	-22	191.5	86.7	19.3	0.0	278.2	1
2	55	-11980	-32	-485	0	7	22	222.7	18.1	41.1	0.0	240.8	1
7	55	-10400	-28	-416	0	11	19	193.3	17.1	35.3	0.0	210.4	1
8	55	-9396	-25	-374	0	-0	17	174.6	12.7	31.7	0.0	187.4	1
1A	111	-8363	-43	-3	0	136	-26	155.4	54.6	1.6	0.0	210.0	1
1B	111	-8363	32	-3	0	136	27	155.4	55.1	1.2	0.0	210.6	1
1C	111	-8363	-43	-162	0	-44	-26	155.4	31.0	13.7	0.0	186.5	1
1D	111	-8363	32	-162	0	-44	27	155.4	31.6	13.7	0.0	187.0	1
1E	111	4369	-43	-3	0	136	-26	81.2	54.6	1.6	0.0	135.8	1
1F	111	4369	32	-3	0	136	27	81.2	55.1	1.2	0.0	136.4	1
1G	111	4369	-43	-162	0	-44	-26	81.2	31.0	13.7	0.0	112.2	1
1H	111	4369	32	-162	0	-44	27	81.2	31.6	13.7	0.0	112.8	1
1I	111	-14317	-37	63	0	244	16	266.1	74.5	5.3	0.0	340.6	1
1J	111	-14317	26	63	0	244	-15	266.1	74.0	5.3	0.0	340.1	1
1K	111	-14317	-37	-228	0	-153	16	266.1	50.9	19.3	0.0	317.1	1
1L	111	-14317	26	-228	0	-153	-15	266.1	50.4	19.3	0.0	316.5	1
1M	111	10323	-37	63	0	244	16	191.9	74.5	5.3	0.0	266.4	1
1N	111	10323	26	63	0	244	-15	191.9	74.0	5.3	0.0	265.8	1
1O	111	10323	-37	-228	0	-153	16	191.9	50.9	19.3	0.0	242.8	1
1P	111	10323	26	-228	0	-153	-15	191.9	50.4	19.3	0.0	242.3	1
2	111	-11950	-32	-269	0	216	4	222.1	58.6	22.8	0.0	280.7	1
7	111	-10370	-28	-200	0	181	4	192.8	49.5	16.9	0.0	242.2	1
8	111	-9365	-25	-222	0	164	3	174.1	44.7	18.8	0.0	218.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-8409	119	11	23	23	14	1.03	1.00	200.0	
1B	-8409	119	11	23	23	14	1.03	1.00	199.8	
1C	-8409	128	11	23	23	14	1.03	1.00	202.4	
1D	-8409	128	11	23	23	14	1.03	1.00	202.2	
1E	4369	119	11	23	23	14	1.00	1.00	120.2	
1F	4369	119	11	23	23	14	1.00	1.00	119.9	
1G	4369	128	11	23	23	14	1.00	1.00	122.6	
1H	4369	128	11	23	23	14	1.00	1.00	122.3	
1I	-14363	279	32	23	23	14	1.03	1.00	370.7	
1J	-14363	279	24	23	23	14	1.03	1.00	364.7	
1K	-14363	297	32	23	23	14	1.03	1.00	375.3	
1L	-14363	297	24	23	23	14	1.03	1.00	369.3	
1M	10323	279	32	23	23	14	1.00	1.00	287.3	
1N	10323	279	24	23	23	14	1.00	1.00	281.3	
1O	10323	297	32	23	23	14	1.00	1.00	291.9	
1P	10323	297	24	23	23	14	1.00	1.00	285.8	
2	-12010	128	25	23	23	14	1.03	1.00	282.0	
7	-10430	112	22	23	23	14	1.03	1.00	245.2	
8	-9426	100	20	23	23	14	1.03	1.00	220.9	

ASTA NUM. 492 NI 63 NF 64 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6986	-48	139	0	162	15	129.9	53.0	11.8	0.0	182.8	1	
1B	0	-6986	38	139	0	162	-12	129.9	50.8	11.8	0.0	180.6	1	
1C	0	-6986	-48	-150	0	-125	15	129.9	43.4	12.7	0.0	173.3	1	
1D	0	-6986	38	-150	0	-125	-12	129.9	41.2	12.7	0.0	171.1	1	
1E	0	5992	-48	139	0	162	15	111.4	53.0	11.8	0.0	164.4	1	
1F	0	5992	38	139	0	162	-12	111.4	50.8	11.8	0.0	162.1	1	
1G	0	5992	-48	-150	0	-125	15	111.4	43.4	12.7	0.0	154.8	1	
1H	0	5992	38	-150	0	-125	-12	111.4	41.2	12.7	0.0	152.6	1	
1I	0	-8879	-40	145	0	305	17	165.0	91.2	12.3	0.0	256.2	1	
1J	0	-8879	29	145	0	305	-14	165.0	89.0	12.3	0.0	254.0	1	
1K	0	-8879	-40	-156	0	-267	17	165.0	81.6	13.2	0.0	246.7	1	
1L	0	-8879	29	-156	0	-267	-14	165.0	79.4	13.2	0.0	244.4	1	
1M	0	7884	-40	145	0	305	17	146.5	91.2	12.3	0.0	237.7	1	
1N	0	7884	29	145	0	305	-14	146.5	89.0	12.3	0.0	235.5	1	
1O	0	7884	-40	-156	0	-267	17	146.5	81.6	13.2	0.0	228.2	1	
1P	0	7884	29	-156	0	-267	-14	146.5	79.4	13.2	0.0	226.0	1	
2	0	55	-31	-422	0	-0	13	1.0	9.5	35.7	0.0	61.9	4	
7	0	102	-27	-402	0	-7	11	1.9	10.2	34.1	0.0	59.1	4	
8	0	-286	-24	-300	0	1	9	5.3	7.3	25.5	0.0	44.4	4	
1A	55	-6963	-48	139	0	41	31	129.4	33.5	11.8	0.0	162.9	1	
1B	55	-6963	38	139	0	41	-34	129.4	35.6	11.8	0.0	165.1	1	
1C	55	-6963	-48	-150	0	2	31	129.4	23.6	12.7	0.0	153.1	1	
1D	55	-6963	38	-150	0	2	-34	129.4	25.8	12.7	0.0	155.2	1	

1E	55	6016	-48	139	0	41	31	111.8	33.5	11.8	0.0	145.3	1
1F	55	6016	38	139	0	41	-34	111.8	35.6	11.8	0.0	147.4	1
1G	55	6016	-48	-150	0	2	31	111.8	23.6	12.7	0.0	135.4	1
1H	55	6016	38	-150	0	2	-34	111.8	25.8	12.7	0.0	137.6	1
1I	55	-8855	-40	145	0	243	-7	164.6	68.1	12.3	0.0	232.6	1
1J	55	-8855	29	145	0	243	5	164.6	65.9	12.3	0.0	230.5	1
1K	55	-8855	-40	-156	0	-200	-7	164.6	57.0	13.2	0.0	221.6	1
1L	55	-8855	29	-156	0	-200	5	164.6	54.9	13.2	0.0	219.4	1
1M	55	7908	-40	145	0	243	-7	147.0	68.1	12.3	0.0	215.0	1
1N	55	7908	29	145	0	243	5	147.0	65.9	12.3	0.0	212.9	1
1O	55	7908	-40	-156	0	-200	-7	147.0	57.0	13.2	0.0	204.0	1
1P	55	7908	29	-156	0	-200	5	147.0	54.9	13.2	0.0	201.8	1
2	55	86	-31	-205	0	173	-4	1.6	47.7	17.4	0.0	49.4	3
7	55	132	-27	-186	0	155	-4	2.5	42.8	15.7	0.0	45.3	3
8	55	-255	-24	-149	0	125	-4	4.7	34.9	12.6	0.0	39.6	1
1A	111	-6940	-48	139	0	-81	47	129.0	55.7	11.8	0.0	184.7	1
1B	111	-6940	38	139	0	-81	-55	129.0	62.2	11.8	0.0	191.2	1
1C	111	-6940	-48	-150	0	130	47	129.0	68.3	12.7	0.0	197.3	1
1D	111	-6940	38	-150	0	130	-55	129.0	74.8	12.7	0.0	203.8	1
1E	111	6039	-48	139	0	-81	47	112.2	55.7	11.8	0.0	168.0	1
1F	111	6039	38	139	0	-81	-55	112.2	62.2	11.8	0.0	174.4	1
1G	111	6039	-48	-150	0	130	47	112.2	68.3	12.7	0.0	180.5	1
1H	111	6039	38	-150	0	130	-55	112.2	74.8	12.7	0.0	187.0	1
1I	111	-8832	-40	145	0	181	-32	164.2	70.5	12.3	0.0	234.7	1
1J	111	-8832	29	145	0	181	23	164.2	64.1	12.3	0.0	228.2	1
1K	111	-8832	-40	-156	0	-132	-32	164.2	58.0	13.2	0.0	222.1	1
1L	111	-8832	29	-156	0	-132	23	164.2	51.5	13.2	0.0	215.6	1
1M	111	7931	-40	145	0	181	-32	147.4	70.5	12.3	0.0	218.0	1
1N	111	7931	29	145	0	181	23	147.4	64.1	12.3	0.0	211.5	1
1O	111	7931	-40	-156	0	-132	-32	147.4	58.0	13.2	0.0	205.4	1
1P	111	7931	29	-156	0	-132	23	147.4	51.5	13.2	0.0	198.9	1
2	111	116	-31	12	0	226	-21	2.2	74.2	1.1	0.0	76.3	1
7	111	162	-27	31	0	198	-19	3.0	65.0	2.6	0.0	68.0	1
8	111	-225	-24	3	0	165	-17	4.2	55.1	0.9	0.0	59.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6986	65	34	23	23	14	1.03	1.00	176.0	
1B	-6986	65	38	23	23	14	1.03	1.00	179.0	
1C	-6986	52	34	23	23	14	1.03	1.00	172.6	
1D	-6986	52	38	23	23	14	1.03	1.00	175.6	
1E	6039	65	34	23	23	14	1.00	1.00	154.4	
1F	6039	65	38	23	23	14	1.00	1.00	157.4	
1G	6039	52	34	23	23	14	1.00	1.00	151.0	
1H	6039	52	38	23	23	14	1.00	1.00	154.0	
1I	-8879	255	13	23	23	14	1.03	1.00	245.4	
1J	-8879	255	9	23	23	14	1.03	1.00	242.8	
1K	-8879	213	13	23	23	14	1.03	1.00	234.6	
1L	-8879	213	9	23	23	14	1.03	1.00	232.0	
1M	7931	255	13	23	23	14	1.00	1.00	222.7	
1N	7931	255	9	23	23	14	1.00	1.00	220.1	
1O	7931	213	13	23	23	14	1.00	1.00	211.9	
1P	7931	213	9	23	23	14	1.00	1.00	209.3	
2	116	136	8	23	23	14	1.00	1.00	43.4	
7	162	116	7	23	23	14	1.00	1.00	38.5	
8	-286	99	7	23	23	14	1.03	1.00	36.1	

ASTA NUM. 493 NI 64 NF 65 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4347	-22	-13	0	100	42	80.8	57.5	1.1	0.0	138.3	1	
1B	0	-4347	17	-13	0	100	-44	80.8	58.7	1.1	0.0	139.5	1	
1C	0	-4347	-22	-150	0	-104	42	80.8	58.6	12.7	0.0	139.4	1	
1D	0	-4347	17	-150	0	-104	-44	80.8	59.8	12.7	0.0	140.6	1	
1E	0	3688	-22	-13	0	100	42	68.5	57.5	1.1	0.0	126.1	1	
1F	0	3688	17	-13	0	100	-44	68.5	58.7	1.1	0.0	127.2	1	
1G	0	3688	-22	-150	0	-104	42	68.5	58.6	12.7	0.0	127.1	1	
1H	0	3688	17	-150	0	-104	-44	68.5	59.8	12.7	0.0	128.3	1	
1I	0	-7453	-17	65	0	223	24	138.5	75.3	5.5	0.0	213.8	1	
1J	0	-7453	12	65	0	223	-26	138.5	76.5	5.5	0.0	215.0	1	
1K	0	-7453	-17	-228	0	-227	24	138.5	76.3	19.3	0.0	214.9	1	
1L	0	-7453	12	-228	0	-227	-26	138.5	77.5	19.3	0.0	216.0	1	
1M	0	6794	-17	65	0	223	24	126.3	75.3	5.5	0.0	201.6	1	
1N	0	6794	12	65	0	223	-26	126.3	76.5	5.5	0.0	202.7	1	
1O	0	6794	-17	-228	0	-227	24	126.3	76.3	19.3	0.0	202.6	1	
1P	0	6794	12	-228	0	-227	-26	126.3	77.5	19.3	0.0	203.8	1	
2	0	897	-6	-620	0	43	-11	16.7	19.5	52.6	0.0	92.6	4	
7	0	861	-5	-549	0	42	-10	16.0	18.2	46.5	0.0	82.2	4	
8	0	369	-5	-468	0	25	-8	6.9	12.7	39.7	0.0	69.1	4	
1A	55	-4323	-22	-13	0	108	35	80.4	53.6	1.1	0.0	134.0	1	
1B	55	-4323	17	-13	0	108	-39	80.4	56.7	1.1	0.0	137.0	1	
1C	55	-4323	-22	-150	0	-22	35	80.4	31.4	12.7	0.0	111.8	1	
1D	55	-4323	17	-150	0	-22	-39	80.4	34.5	12.7	0.0	114.8	1	
1E	55	3711	-22	-13	0	108	35	69.0	53.6	1.1	0.0	122.6	1	

1F	55	3711	17	-13	0	108	-39	69.0	56.7	1.1	0.0	125.7	1
1G	55	3711	-22	-150	0	-22	35	69.0	31.4	12.7	0.0	100.4	1
1H	55	3711	17	-150	0	-22	-39	69.0	34.5	12.7	0.0	103.5	1
1I	55	-7430	-17	65	0	187	17	138.1	60.6	5.5	0.0	198.7	1
1J	55	-7430	12	65	0	187	-21	138.1	63.7	5.5	0.0	201.8	1
1K	55	-7430	-17	-228	0	-101	17	138.1	38.4	19.3	0.0	176.5	1
1L	55	-7430	12	-228	0	-101	-21	138.1	41.5	19.3	0.0	179.6	1
1M	55	6818	-17	65	0	187	17	126.7	60.6	5.5	0.0	187.4	1
1N	55	6818	12	65	0	187	-21	126.7	63.7	5.5	0.0	190.4	1
1O	55	6818	-17	-228	0	-101	17	126.7	38.4	19.3	0.0	165.2	1
1P	55	6818	12	-228	0	-101	-21	126.7	41.5	19.3	0.0	168.2	1
2	55	928	-6	-403	0	326	-15	17.2	94.9	34.2	0.0	112.1	1
7	55	891	-5	-332	0	286	-12	16.6	82.8	28.2	0.0	99.4	1
8	55	399	-5	-317	0	242	-11	7.4	70.7	26.8	0.0	78.1	1
1A	111	-4300	-22	-13	0	116	27	79.9	49.7	1.1	0.0	129.6	1
1B	111	-4300	17	-13	0	116	-33	79.9	54.7	1.1	0.0	134.6	1
1C	111	-4300	-22	-150	0	61	27	79.9	35.7	12.7	0.0	115.6	1
1D	111	-4300	17	-150	0	61	-33	79.9	40.6	12.7	0.0	120.5	1
1E	111	3734	-22	-13	0	116	27	69.4	49.7	1.1	0.0	119.1	1
1F	111	3734	17	-13	0	116	-33	69.4	54.7	1.1	0.0	124.1	1
1G	111	3734	-22	-150	0	61	27	69.4	35.7	12.7	0.0	105.1	1
1H	111	3734	17	-150	0	61	-33	69.4	40.6	12.7	0.0	110.0	1
1I	111	-7407	-17	65	0	152	9	137.7	46.0	5.5	0.0	183.7	1
1J	111	-7407	12	65	0	152	-16	137.7	50.9	5.5	0.0	188.6	1
1K	111	-7407	-17	-228	0	25	9	137.7	13.4	19.3	0.0	151.0	1
1L	111	-7407	12	-228	0	25	-16	137.7	18.3	19.3	0.0	156.0	1
1M	111	6841	-17	65	0	152	9	127.2	46.0	5.5	0.0	173.1	1
1N	111	6841	12	65	0	152	-16	127.2	50.9	5.5	0.0	178.1	1
1O	111	6841	-17	-228	0	25	9	127.2	13.4	19.3	0.0	140.5	1
1P	111	6841	12	-228	0	25	-16	127.2	18.3	19.3	0.0	145.5	1
2	111	958	-6	-187	0	489	-18	17.8	139.5	15.8	0.0	157.3	1
7	111	921	-5	-116	0	410	-15	17.1	116.6	9.8	0.0	133.7	1
8	111	429	-5	-165	0	375	-14	8.0	107.0	14.0	0.0	115.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4347	109	36	23	23	14	1.03	1.00	138.5	
1B	-4347	109	40	23	23	14	1.03	1.00	141.2	
1C	-4347	42	36	23	23	14	1.03	1.00	121.1	
1D	-4347	42	40	23	23	14	1.03	1.00	123.7	
1E	3734	109	36	23	23	14	1.00	1.00	124.6	
1F	3734	109	40	23	23	14	1.00	1.00	127.3	
1G	3734	42	36	23	23	14	1.00	1.00	107.2	
1H	3734	42	40	23	23	14	1.00	1.00	109.9	
1I	-7453	194	18	23	23	14	1.03	1.00	206.4	
1J	-7453	194	22	23	23	14	1.03	1.00	209.1	
1K	-7453	126	18	23	23	14	1.03	1.00	188.8	
1L	-7453	126	22	23	23	14	1.03	1.00	191.5	
1M	6841	194	18	23	23	14	1.00	1.00	190.7	
1N	6841	194	22	23	23	14	1.00	1.00	193.4	
1O	6841	126	18	23	23	14	1.00	1.00	173.2	
1P	6841	126	22	23	23	14	1.00	1.00	175.9	
2	958	311	15	23	23	14	1.00	1.00	109.3	
7	921	263	13	23	23	14	1.00	1.00	94.3	
8	429	235	12	23	23	14	1.00	1.00	77.3	

ASTA NUM. 494 NI 65 NF 66 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3173	-12	105	0	128	13	59.0	43.0	8.9	0.0	101.9	1	
1B	0	-3173	8	105	0	128	-18	59.0	46.2	8.9	0.0	105.2	1	
1C	0	-3173	-12	-126	0	-6	13	59.0	11.5	10.7	0.0	70.5	1	
1D	0	-3173	8	-126	0	-6	-18	59.0	14.8	10.7	0.0	73.8	1	
1E	0	5585	-12	105	0	128	13	103.8	43.0	8.9	0.0	146.8	1	
1F	0	5585	8	105	0	128	-18	103.8	46.2	8.9	0.0	150.0	1	
1G	0	5585	-12	-126	0	-6	13	103.8	11.5	10.7	0.0	115.3	1	
1H	0	5585	8	-126	0	-6	-18	103.8	14.8	10.7	0.0	118.6	1	
1I	0	-2216	-11	135	0	205	12	41.2	61.9	11.4	0.0	103.1	1	
1J	0	-2216	6	135	0	205	-16	41.2	65.2	11.4	0.0	106.4	1	
1K	0	-2216	-11	-156	0	-83	12	41.2	30.5	13.2	0.0	71.6	1	
1L	0	-2216	6	-156	0	-83	-16	41.2	33.7	13.2	0.0	74.9	1	
1M	0	4628	-11	135	0	205	12	86.0	61.9	11.4	0.0	147.9	1	
1N	0	4628	6	135	0	205	-16	86.0	65.2	11.4	0.0	151.2	1	
1O	0	4628	-11	-156	0	-83	12	86.0	30.5	13.2	0.0	116.5	1	
1P	0	4628	6	-156	0	-83	-16	86.0	33.7	13.2	0.0	119.7	1	
2	0	9665	-8	-341	0	332	-12	179.6	94.2	28.9	0.0	273.9	1	
7	0	8102	-6	-320	0	280	-10	150.6	79.6	27.1	0.0	230.2	1	
8	0	7197	-6	-246	0	252	-9	133.8	71.9	20.8	0.0	205.7	1	
1A	55	-3150	-12	105	0	67	10	58.5	25.0	8.9	0.0	83.6	1	
1B	55	-3150	8	105	0	67	-17	58.5	30.3	8.9	0.0	88.9	1	
1C	55	-3150	-12	-126	0	66	10	58.5	24.8	10.7	0.0	83.3	1	
1D	55	-3150	8	-126	0	66	-17	58.5	30.1	10.7	0.0	88.6	1	
1E	55	5609	-12	105	0	67	10	104.2	25.0	8.9	0.0	129.3	1	
1F	55	5609	8	105	0	67	-17	104.2	30.3	8.9	0.0	134.6	1	

1G	55	5609	-12	-126	0	66	10	104.2	24.8	10.7	0.0	129.0	1
1H	55	5609	8	-126	0	66	-17	104.2	30.1	10.7	0.0	134.3	1
1I	55	-2193	-11	135	0	125	8	40.8	38.2	11.4	0.0	79.0	1
1J	55	-2193	6	135	0	125	-15	40.8	43.5	11.4	0.0	84.3	1
1K	55	-2193	-11	-156	0	8	8	40.8	8.2	13.2	0.0	48.9	1
1L	55	-2193	6	-156	0	8	-15	40.8	13.4	13.2	0.0	54.2	1
1M	55	4652	-11	135	0	125	8	86.5	38.2	11.4	0.0	124.7	1
1N	55	4652	6	135	0	125	-15	86.5	43.5	11.4	0.0	130.0	1
1O	55	4652	-11	-156	0	8	8	86.5	8.2	13.2	0.0	94.6	1
1P	55	4652	6	-156	0	8	-15	86.5	13.4	13.2	0.0	99.9	1
2	55	9695	-8	-124	0	460	-16	180.2	130.7	10.5	0.0	310.9	1
7	55	8132	-6	-103	0	397	-14	151.2	112.3	8.7	0.0	263.5	1
8	55	7228	-6	-94	0	346	-13	134.3	98.7	8.0	0.0	233.0	1
1A	111	-3126	-12	105	0	7	7	58.1	7.1	8.9	0.0	65.2	1
1B	111	-3126	8	105	0	7	-17	58.1	14.4	8.9	0.0	72.5	1
1C	111	-3126	-12	-126	0	138	7	58.1	41.0	10.7	0.0	99.1	1
1D	111	-3126	8	-126	0	138	-17	58.1	48.3	10.7	0.0	106.4	1
1E	111	5632	-12	105	0	7	7	104.7	7.1	8.9	0.0	111.8	1
1F	111	5632	8	105	0	7	-17	104.7	14.4	8.9	0.0	119.1	1
1G	111	5632	-12	-126	0	138	7	104.7	41.0	10.7	0.0	145.7	1
1H	111	5632	8	-126	0	138	-17	104.7	48.3	10.7	0.0	153.0	1
1I	111	-2169	-11	135	0	45	4	40.3	14.5	11.4	0.0	54.9	1
1J	111	-2169	6	135	0	45	-14	40.3	21.8	11.4	0.0	62.1	1
1K	111	-2169	-11	-156	0	100	4	40.3	28.6	13.2	0.0	69.0	1
1L	111	-2169	6	-156	0	100	-14	40.3	35.9	13.2	0.0	76.2	1
1M	111	4675	-11	135	0	45	4	86.9	14.5	11.4	0.0	101.4	1
1N	111	4675	6	135	0	45	-14	86.9	21.8	11.4	0.0	108.7	1
1O	111	4675	-11	-156	0	100	4	86.9	28.6	13.2	0.0	115.5	1
1P	111	4675	6	-156	0	100	-14	86.9	35.9	13.2	0.0	122.8	1
2	111	9725	-8	93	0	469	-21	180.8	136.3	7.8	0.0	317.0	1
7	111	8163	-6	114	0	394	-17	151.7	114.2	9.6	0.0	265.9	1
8	111	7258	-6	58	0	356	-16	134.9	103.9	4.9	0.0	238.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3173	79	11	23	23	14	1.03	1.00	89.4	
1B	-3173	79	17	23	23	14	1.03	1.00	94.3	
1C	-3173	81	11	23	23	14	1.03	1.00	89.7	
1D	-3173	81	17	23	23	14	1.03	1.00	94.6	
1E	5632	79	11	23	23	14	1.00	1.00	133.3	
1F	5632	79	17	23	23	14	1.00	1.00	138.2	
1G	5632	81	11	23	23	14	1.00	1.00	133.7	
1H	5632	81	17	23	23	14	1.00	1.00	138.5	
1I	-2216	141	9	23	23	14	1.03	1.00	85.4	
1J	-2216	141	15	23	23	14	1.03	1.00	90.3	
1K	-2216	40	9	23	23	14	1.03	1.00	59.3	
1L	-2216	40	15	23	23	14	1.03	1.00	64.2	
1M	4675	141	9	23	23	14	1.00	1.00	129.9	
1N	4675	141	15	23	23	14	1.00	1.00	134.7	
1O	4675	40	9	23	23	14	1.00	1.00	103.8	
1P	4675	40	15	23	23	14	1.00	1.00	108.7	
2	9725	414	17	23	23	14	1.00	1.00	300.2	
7	8163	348	14	23	23	14	1.00	1.00	252.1	
8	7258	315	13	23	23	14	1.00	1.00	226.0	

ASTA NUM. 495 NI 66 NF 67 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-571	-25	-29	0	105	12	10.6	35.9	2.4	0.0	46.5	1	
1B	0	-571	32	-29	0	105	-16	10.6	39.0	2.4	0.0	49.6	1	
1C	0	-571	-25	-160	0	-10	12	10.6	11.6	13.6	0.0	25.9	4	
1D	0	-571	32	-160	0	-10	-16	10.6	14.6	13.6	0.0	25.9	4	
1E	0	3331	-25	-29	0	105	12	61.9	35.9	2.4	0.0	97.8	1	
1F	0	3331	32	-29	0	105	-16	61.9	39.0	2.4	0.0	100.9	1	
1G	0	3331	-25	-160	0	-10	12	61.9	11.6	13.6	0.0	73.5	1	
1H	0	3331	32	-160	0	-10	-16	61.9	14.6	13.6	0.0	76.5	1	
1I	0	-772	-32	58	0	133	17	14.4	46.9	4.9	0.0	61.3	1	
1J	0	-772	38	58	0	133	-21	14.4	50.0	4.9	0.0	64.3	1	
1K	0	-772	-32	-247	0	-39	17	14.4	22.5	20.9	0.0	39.9	3	
1L	0	-772	38	-247	0	-39	-21	14.4	25.6	20.9	0.0	40.0	3	
1M	0	3532	-32	58	0	133	17	65.7	46.9	4.9	0.0	112.6	1	
1N	0	3532	38	58	0	133	-21	65.7	50.0	4.9	0.0	115.6	1	
1O	0	3532	-32	-247	0	-39	17	65.7	22.5	20.9	0.0	88.2	1	
1P	0	3532	38	-247	0	-39	-21	65.7	25.6	20.9	0.0	91.3	1	
2	0	10330	32	-584	0	349	-18	192.0	103.2	49.5	0.0	295.2	1	
7	0	8677	28	-500	0	299	-15	161.3	88.3	42.4	0.0	249.6	1	
8	0	7728	22	-448	0	261	-13	143.6	76.8	38.0	0.0	220.5	1	
1A	55	-547	-25	-29	0	167	-4	10.2	45.7	2.4	0.0	55.9	1	
1B	55	-547	32	-29	0	167	3	10.2	45.3	2.4	0.0	55.5	1	
1C	55	-547	-25	-160	0	32	-4	10.2	11.0	13.6	0.0	27.3	3	
1D	55	-547	32	-160	0	32	3	10.2	10.6	13.6	0.0	27.3	3	
1E	55	3354	-25	-29	0	167	-4	62.3	45.7	2.4	0.0	108.1	1	
1F	55	3354	32	-29	0	167	3	62.3	45.3	2.4	0.0	107.6	1	
1G	55	3354	-25	-160	0	32	-4	62.3	11.0	13.6	0.0	73.3	1	

1H	55	3354	32	-160	0	32	3	62.3	10.6	13.6	0.0	72.9	1
1I	55	-749	-32	58	0	91	-1	13.9	24.5	4.9	0.0	38.4	1
1J	55	-749	38	58	0	91	1	13.9	24.0	4.9	0.0	37.9	1
1K	55	-749	-32	-247	0	108	-1	13.9	28.6	20.9	0.0	50.3	3
1L	55	-749	38	-247	0	108	1	13.9	28.2	20.9	0.0	50.3	3
1M	55	3556	-32	58	0	91	-1	66.1	24.5	4.9	0.0	90.5	1
1N	55	3556	38	58	0	91	1	66.1	24.0	4.9	0.0	90.1	1
1O	55	3556	-32	-247	0	108	-1	66.1	28.6	20.9	0.0	96.4	3
1P	55	3556	38	-247	0	108	1	66.1	28.2	20.9	0.0	96.4	3
2	55	10360	32	-367	0	612	-0	192.6	157.8	31.1	0.0	350.3	1
7	55	8708	28	-284	0	516	0	161.8	133.1	24.0	0.0	294.9	1
8	55	7758	22	-296	0	467	-1	144.2	120.5	25.1	0.0	264.7	1
1A	111	-524	-25	-29	0	229	-19	9.7	73.4	2.4	0.0	83.2	1
1B	111	-524	32	-29	0	229	22	9.7	75.6	2.4	0.0	85.4	1
1C	111	-524	-25	-160	0	74	-19	9.7	33.6	13.6	0.0	43.3	1
1D	111	-524	32	-160	0	74	22	9.7	35.7	13.6	0.0	45.5	1
1E	111	3378	-25	-29	0	229	-19	62.8	73.4	2.4	0.0	136.2	1
1F	111	3378	32	-29	0	229	22	62.8	75.6	2.4	0.0	138.4	1
1G	111	3378	-25	-160	0	74	-19	62.8	33.6	13.6	0.0	96.3	1
1H	111	3378	32	-160	0	74	22	62.8	35.7	13.6	0.0	98.5	1
1I	111	-725	-32	58	0	49	-19	13.5	27.2	4.9	0.0	40.7	1
1J	111	-725	38	58	0	49	22	13.5	29.4	4.9	0.0	42.9	1
1K	111	-725	-32	-247	0	254	-19	13.5	79.8	20.9	0.0	93.3	1
1L	111	-725	38	-247	0	254	22	13.5	82.0	20.9	0.0	95.5	1
1M	111	3579	-32	58	0	49	-19	66.5	27.2	4.9	0.0	93.7	1
1N	111	3579	38	58	0	49	22	66.5	29.4	4.9	0.0	95.9	1
1O	111	3579	-32	-247	0	254	-19	66.5	79.8	20.9	0.0	146.4	1
1P	111	3579	38	-247	0	254	22	66.5	82.0	20.9	0.0	148.5	1
2	111	10390	32	-150	0	755	17	193.1	207.0	12.7	0.0	400.1	1
7	111	8738	28	-67	0	613	16	162.4	169.6	5.7	0.0	332.0	1
8	111	7789	22	-145	0	589	12	144.8	160.3	12.3	0.0	305.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-571	179	8	23	23	14	1.03	1.00	62.9	
1B	-571	179	9	23	23	14	1.03	1.00	63.8	
1C	-571	40	8	23	23	14	1.03	1.00	27.1	
1D	-571	40	9	23	23	14	1.03	1.00	28.0	
1E	3378	179	8	23	23	14	1.00	1.00	114.7	
1F	3378	179	9	23	23	14	1.00	1.00	115.6	
1G	3378	40	8	23	23	14	1.00	1.00	79.0	
1H	3378	40	9	23	23	14	1.00	1.00	79.8	
1I	-772	100	8	23	23	14	1.03	1.00	46.3	
1J	-772	100	9	23	23	14	1.03	1.00	47.1	
1K	-772	137	8	23	23	14	1.03	1.00	55.8	
1L	-772	137	9	23	23	14	1.03	1.00	56.7	
1M	3579	100	8	23	23	14	1.00	1.00	98.0	
1N	3579	100	9	23	23	14	1.00	1.00	98.9	
1O	3579	137	8	23	23	14	1.00	1.00	107.5	
1P	3579	137	9	23	23	14	1.00	1.00	108.4	
2	10390	592	7	23	23	14	1.00	1.00	350.9	
7	8738	488	6	23	23	14	1.00	1.00	292.6	
8	7789	458	5	23	23	14	1.00	1.00	266.4	

ASTA NUM. 496 NI 67 NF 68 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1039	-22	29	0	162	45	19.3	75.7	2.5	0.0	95.0	1	
1B	0	-1039	26	29	0	162	-45	19.3	75.2	2.5	0.0	94.5	1	
1C	0	-1039	-22	-267	0	100	45	19.3	59.8	22.6	0.0	79.1	1	
1D	0	-1039	26	-267	0	100	-45	19.3	59.3	22.6	0.0	78.6	1	
1E	0	5879	-22	29	0	162	45	109.3	75.7	2.5	0.0	184.9	1	
1F	0	5879	26	29	0	162	-45	109.3	75.2	2.5	0.0	184.5	1	
1G	0	5879	-22	-267	0	100	45	109.3	59.8	22.6	0.0	169.0	1	
1H	0	5879	26	-267	0	100	-45	109.3	59.3	22.6	0.0	168.6	1	
1I	0	-97	-31	154	0	162	21	1.8	57.5	13.1	0.0	59.3	1	
1J	0	-97	35	154	0	162	-20	1.8	57.0	13.1	0.0	58.8	1	
1K	0	-97	-31	-392	0	100	21	1.8	41.4	33.2	0.0	57.6	4	
1L	0	-97	35	-392	0	100	-20	1.8	40.9	33.2	0.0	57.6	4	
1M	0	4937	-31	154	0	162	21	91.8	57.5	13.1	0.0	149.3	1	
1N	0	4937	35	154	0	162	-20	91.8	57.0	13.1	0.0	148.8	1	
1O	0	4937	-31	-392	0	100	21	91.8	41.4	33.2	0.0	133.2	1	
1P	0	4937	35	-392	0	100	-20	91.8	40.9	33.2	0.0	132.7	1	
2	0	13760	22	-743	0	684	4	255.8	179.1	63.0	0.0	434.8	1	
7	0	11050	20	-601	0	563	3	205.4	147.5	50.9	0.0	352.9	1	
8	0	10620	16	-572	0	529	3	197.4	138.4	48.5	0.0	335.8	1	
1A	55	-1015	-22	29	0	309	47	18.9	114.9	2.5	0.0	133.8	1	
1B	55	-1015	26	29	0	309	-45	18.9	112.9	2.5	0.0	131.8	1	
1C	55	-1015	-22	-267	0	84	47	18.9	57.1	22.6	0.0	75.9	1	
1D	55	-1015	26	-267	0	84	-45	18.9	55.0	22.6	0.0	73.9	1	
1E	55	5902	-22	29	0	309	47	109.7	114.9	2.5	0.0	224.7	1	
1F	55	5902	26	29	0	309	-45	109.7	112.9	2.5	0.0	222.6	1	
1G	55	5902	-22	-267	0	84	47	109.7	57.1	22.6	0.0	166.8	1	
1H	55	5902	26	-267	0	84	-45	109.7	55.0	22.6	0.0	164.8	1	

1I	55	-74	-31	154	0	379	-6	1.4	102.2	13.1	0.0	103.6	1
1J	55	-74	35	154	0	379	9	1.4	104.2	13.1	0.0	105.6	1
1K	55	-74	-31	-392	0	15	-6	1.4	8.7	33.2	0.0	57.6	4
1L	55	-74	35	-392	0	15	9	1.4	10.7	33.2	0.0	57.6	4
1M	55	4961	-31	154	0	379	-6	92.2	102.2	13.1	0.0	194.4	1
1N	55	4961	35	154	0	379	9	92.2	104.2	13.1	0.0	196.5	1
1O	55	4961	-31	-392	0	15	-6	92.2	8.7	33.2	0.0	108.8	4
1P	55	4961	35	-392	0	15	9	92.2	10.7	33.2	0.0	108.9	4
2	55	13790	22	-526	0	1035	17	256.3	278.7	44.6	0.0	535.0	1
7	55	11080	20	-384	0	836	15	205.9	226.0	32.6	0.0	432.0	1
8	55	10650	16	-421	0	804	12	198.0	215.6	35.7	0.0	413.6	1
1A	111	-992	-22	29	0	457	49	18.4	154.2	2.5	0.0	172.7	1
1B	111	-992	26	29	0	457	-44	18.4	150.6	2.5	0.0	169.1	1
1C	111	-992	-22	-267	0	68	49	18.4	54.4	22.6	0.0	72.8	1
1D	111	-992	26	-267	0	68	-44	18.4	50.8	22.6	0.0	69.2	1
1E	111	5926	-22	29	0	457	49	110.1	154.2	2.5	0.0	264.4	1
1F	111	5926	26	29	0	457	-44	110.1	150.6	2.5	0.0	260.8	1
1G	111	5926	-22	-267	0	68	49	110.1	54.4	22.6	0.0	164.5	1
1H	111	5926	26	-267	0	68	-44	110.1	50.8	22.6	0.0	160.9	1
1I	111	-50	-31	154	0	595	-34	0.9	178.4	13.1	0.0	179.3	1
1J	111	-50	35	154	0	595	39	0.9	182.0	13.1	0.0	182.9	1
1K	111	-50	-31	-392	0	-70	-34	0.9	43.3	33.2	0.0	57.6	4
1L	111	-50	35	-392	0	-70	39	0.9	46.9	33.2	0.0	57.6	4
1M	111	4984	-31	154	0	595	-34	92.6	178.4	13.1	0.0	271.0	1
1N	111	4984	35	154	0	595	39	92.6	182.0	13.1	0.0	274.6	1
1O	111	4984	-31	-392	0	-70	-34	92.6	43.3	33.2	0.0	135.9	1
1P	111	4984	35	-392	0	-70	39	92.6	46.9	33.2	0.0	139.5	1
2	111	13820	22	-309	0	1266	29	256.9	347.5	26.2	0.0	604.4	1
7	111	11110	20	-168	0	988	26	206.5	273.7	14.2	0.0	480.2	1
8	111	10680	16	-269	0	995	20	198.5	271.2	22.8	0.0	469.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1039	339	48	23	23	14	1.03	1.00	142.7	
1B	-1039	339	45	23	23	14	1.03	1.00	140.5	
1C	-1039	88	48	23	23	14	1.03	1.00	78.1	
1D	-1039	88	45	23	23	14	1.03	1.00	75.8	
1E	5926	339	48	23	23	14	1.00	1.00	232.9	
1F	5926	339	45	23	23	14	1.00	1.00	230.7	
1G	5926	88	48	23	23	14	1.00	1.00	168.3	
1H	5926	88	45	23	23	14	1.00	1.00	166.0	
1I	-97	422	14	23	23	14	1.03	1.00	120.5	
1J	-97	422	15	23	23	14	1.03	1.00	122.0	
1K	-97	40	14	23	23	14	1.03	1.00	22.3	
1L	-97	40	15	23	23	14	1.03	1.00	23.7	
1M	4984	422	14	23	23	14	1.00	1.00	211.3	
1N	4984	422	15	23	23	14	1.00	1.00	212.8	
1O	4984	40	14	23	23	14	1.00	1.00	113.1	
1P	4984	40	15	23	23	14	1.00	1.00	114.5	
2	13820	1033	19	23	23	14	1.00	1.00	537.0	
7	11110	818	17	23	23	14	1.00	1.00	429.7	
8	10680	809	13	23	23	14	1.00	1.00	416.6	

ASTA NUM. 497 NI 68 NF 78 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1524	-62	570	0	464	73	28.3	174.1	48.3	0.0	202.5	1	
1B	0	1524	56	570	0	464	-67	28.3	169.5	48.3	0.0	197.8	1	
1C	0	1524	-62	187	0	107	73	28.3	82.3	15.8	0.0	110.6	1	
1D	0	1524	56	187	0	107	-67	28.3	77.6	15.8	0.0	105.9	1	
1E	0	3392	-62	570	0	464	73	63.1	174.1	48.3	0.0	237.2	1	
1F	0	3392	56	570	0	464	-67	63.1	169.5	48.3	0.0	232.5	1	
1G	0	3392	-62	187	0	107	73	63.1	82.3	15.8	0.0	145.3	1	
1H	0	3392	56	187	0	107	-67	63.1	77.6	15.8	0.0	140.6	1	
1I	0	432	-29	761	0	609	33	8.0	181.1	64.5	0.0	189.1	1	
1J	0	432	23	761	0	609	-26	8.0	176.4	64.5	0.0	184.4	1	
1K	0	432	-29	-4	0	-38	33	8.0	34.1	1.1	0.0	42.1	1	
1L	0	432	23	-4	0	-38	-26	8.0	29.4	0.9	0.0	37.4	1	
1M	0	4484	-29	761	0	609	33	83.3	181.1	64.5	0.0	264.4	1	
1N	0	4484	23	761	0	609	-26	83.3	176.4	64.5	0.0	259.7	1	
1O	0	4484	-29	-4	0	-38	33	83.3	34.1	1.1	0.0	117.4	1	
1P	0	4484	23	-4	0	-38	-26	83.3	29.4	0.9	0.0	112.7	1	
2	0	13590	-6	1777	0	1414	9	252.6	370.2	150.7	0.0	622.8	1	
7	0	10940	-6	1385	0	1116	8	203.3	293.3	117.4	0.0	496.6	1	
8	0	10510	-5	1398	0	1107	7	195.4	290.2	118.5	0.0	485.6	3	
1A	55	1547	-62	570	0	136	39	28.8	64.5	48.3	0.0	96.1	3	
1B	55	1547	56	570	0	136	-36	28.8	62.0	48.3	0.0	96.0	3	
1C	55	1547	-62	187	0	16	39	28.8	33.5	15.8	0.0	62.3	1	
1D	55	1547	56	187	0	16	-36	28.8	31.1	15.8	0.0	59.8	1	
1E	55	3416	-62	570	0	136	39	63.5	64.5	48.3	0.0	128.0	1	
1F	55	3416	56	570	0	136	-36	63.5	62.0	48.3	0.0	125.5	1	
1G	55	3416	-62	187	0	16	39	63.5	33.5	15.8	0.0	97.0	1	
1H	55	3416	56	187	0	16	-36	63.5	31.1	15.8	0.0	94.6	1	
1I	55	456	-29	761	0	184	18	8.5	60.6	64.5	0.0	112.1	4	

1J	55	456	23	761	0	184	-14	8.5	58.1	64.5	0.0	112.1	4
1K	55	456	-29	-4	0	-31	18	8.5	21.3	1.1	0.0	29.8	1
1L	55	456	23	-4	0	-31	-14	8.5	18.9	0.9	0.0	27.3	1
1M	55	4507	-29	761	0	184	18	83.8	60.6	64.5	0.0	160.5	3
1N	55	4507	23	761	0	184	-14	83.8	58.1	64.5	0.0	160.5	3
1O	55	4507	-29	-4	0	-31	18	83.8	21.3	1.1	0.0	105.1	1
1P	55	4507	23	-4	0	-31	-14	83.8	18.9	0.9	0.0	102.6	1
2	55	13620	-6	1994	0	371	5	253.2	99.3	169.0	0.0	426.4	3
7	55	10970	-6	1601	0	290	5	203.9	78.1	135.8	0.0	341.5	3
8	55	10540	-5	1550	0	292	4	195.9	78.2	131.4	0.0	331.3	3
1A	111	1571	-62	570	0	-191	5	29.2	53.3	48.3	0.0	104.3	3
1B	111	1571	56	570	0	-191	-5	29.2	53.1	48.3	0.0	104.3	3
1C	111	1571	-62	187	0	-75	5	29.2	23.4	15.8	0.0	52.7	3
1D	111	1571	56	187	0	-75	-5	29.2	23.1	15.8	0.0	52.6	3
1E	111	3439	-62	570	0	-191	5	63.9	53.3	48.3	0.0	131.1	3
1F	111	3439	56	570	0	-191	-5	63.9	53.1	48.3	0.0	131.1	3
1G	111	3439	-62	187	0	-75	5	63.9	23.4	15.8	0.0	87.3	1
1H	111	3439	56	187	0	-75	-5	63.9	23.1	15.8	0.0	87.1	1
1I	111	479	-29	761	0	-241	3	8.9	64.3	64.5	0.0	118.0	3
1J	111	479	23	761	0	-241	-3	8.9	64.0	64.5	0.0	118.0	3
1K	111	479	-29	-4	0	-25	3	8.9	8.6	1.1	0.0	17.5	1
1L	111	479	23	-4	0	-25	-3	8.9	8.3	0.9	0.0	17.2	1
1M	111	4531	-29	761	0	-241	3	84.2	64.3	64.5	0.0	171.2	3
1N	111	4531	23	761	0	-241	-3	84.2	64.0	64.5	0.0	171.2	3
1O	111	4531	-29	-4	0	-25	3	84.2	8.6	1.1	0.0	92.8	1
1P	111	4531	23	-4	0	-25	-3	84.2	8.3	0.9	0.0	92.5	1
2	111	13650	-6	2210	0	-792	2	253.7	205.0	187.4	0.0	522.1	3
7	111	11000	-6	1818	0	-656	1	204.5	169.8	154.1	0.0	426.8	3
8	111	10570	-5	1701	0	-607	1	196.5	157.2	144.2	0.0	402.4	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1571	202	46	23	23	14	1.00	1.00	115.6	
1B	1571	202	42	23	23	14	1.00	1.00	112.7	
1C	1571	43	46	23	23	14	1.00	1.00	74.7	
1D	1571	43	42	23	23	14	1.00	1.00	71.8	
1E	3439	202	46	23	23	14	1.00	1.00	150.4	
1F	3439	202	42	23	23	14	1.00	1.00	147.5	
1G	3439	43	46	23	23	14	1.00	1.00	109.4	
1H	3439	43	42	23	23	14	1.00	1.00	106.5	
1I	479	269	21	23	23	14	1.00	1.00	93.6	
1J	479	269	17	23	23	14	1.00	1.00	90.7	
1K	479	32	21	23	23	14	1.00	1.00	32.8	
1L	479	32	17	23	23	14	1.00	1.00	29.9	
1M	4531	269	21	23	23	14	1.00	1.00	168.9	
1N	4531	269	17	23	23	14	1.00	1.00	166.0	
1O	4531	32	21	23	23	14	1.00	1.00	108.1	
1P	4531	32	17	23	23	14	1.00	1.00	105.2	
2	13650	566	6	23	23	14	1.00	1.00	403.6	
7	11000	446	5	23	23	14	1.00	1.00	323.4	
8	10570	443	5	23	23	14	1.00	1.00	314.0	

ASTA NUM. 498 NI 21 NF 22 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-10231	-9	177	0	114	24	190.2	47.4	15.0	0.0	237.6	1	
1B	0	-10231	30	177	0	114	-40	190.2	59.0	15.0	0.0	249.1	1	
1C	0	-10231	-9	-176	0	-134	24	190.2	52.7	15.0	0.0	242.8	1	
1D	0	-10231	30	-176	0	-134	-40	190.2	64.2	15.0	0.0	254.4	1	
1E	0	7311	-9	177	0	114	24	135.9	47.4	15.0	0.0	183.3	1	
1F	0	7311	30	177	0	114	-40	135.9	59.0	15.0	0.0	194.9	1	
1G	0	7311	-9	-176	0	-134	24	135.9	52.7	15.0	0.0	188.6	1	
1H	0	7311	30	-176	0	-134	-40	135.9	64.2	15.0	0.0	200.1	1	
1I	0	-7643	-21	113	0	179	19	142.1	60.1	9.5	0.0	202.1	1	
1J	0	-7643	42	113	0	179	-34	142.1	71.6	9.5	0.0	213.7	1	
1K	0	-7643	-21	-112	0	-199	19	142.1	65.3	9.5	0.0	207.4	1	
1L	0	-7643	42	-112	0	-199	-34	142.1	76.9	9.5	0.0	218.9	1	
1M	0	4723	-21	113	0	179	19	87.8	60.1	9.5	0.0	147.9	1	
1N	0	4723	42	113	0	179	-34	87.8	71.6	9.5	0.0	159.4	1	
1O	0	4723	-21	-112	0	-199	19	87.8	65.3	9.5	0.0	153.1	1	
1P	0	4723	42	-112	0	-199	-34	87.8	76.9	9.5	0.0	164.7	1	
2	0	-7888	66	-366	0	-252	-52	146.6	103.9	31.1	0.0	250.5	1	
7	0	-6624	56	-350	0	-222	-44	123.1	90.5	29.7	0.0	213.6	1	
8	0	-6531	55	-258	0	-192	-42	121.4	81.1	21.9	0.0	202.5	1	
1A	55	-10208	-9	177	0	-14	24	189.7	21.3	15.0	0.0	211.1	1	
1B	55	-10208	30	177	0	-14	-27	189.7	24.3	15.0	0.0	214.0	1	
1C	55	-10208	-9	-176	0	-6	24	189.7	19.3	15.0	0.0	209.0	1	
1D	55	-10208	30	-176	0	-6	-27	189.7	22.2	15.0	0.0	211.9	1	
1E	55	7334	-9	177	0	-14	24	136.3	21.3	15.0	0.0	157.7	1	
1F	55	7334	30	177	0	-14	-27	136.3	24.3	15.0	0.0	160.6	1	
1G	55	7334	-9	-176	0	-6	24	136.3	19.3	15.0	0.0	155.6	1	
1H	55	7334	30	-176	0	-6	-27	136.3	22.2	15.0	0.0	158.5	1	
1I	55	-7620	-21	113	0	147	3	141.6	39.9	9.5	0.0	181.5	1	
1J	55	-7620	42	113	0	147	-6	141.6	42.8	9.5	0.0	184.4	1	

1K	55	-7620	-21	-112	0	-168	3	141.6	45.2	9.5	0.0	186.9	1
1L	55	-7620	42	-112	0	-168	-6	141.6	48.1	9.5	0.0	189.8	1
1M	55	4746	-21	113	0	147	3	88.2	39.9	9.5	0.0	128.1	1
1N	55	4746	42	113	0	147	-6	88.2	42.8	9.5	0.0	131.0	1
1O	55	4746	-21	-112	0	-168	3	88.2	45.2	9.5	0.0	133.4	1
1P	55	4746	42	-112	0	-168	-6	88.2	48.1	9.5	0.0	136.4	1
2	55	-7858	66	-204	0	-94	-15	146.1	35.8	17.3	0.0	181.9	1
7	55	-6594	56	-188	0	-74	-13	122.6	28.8	15.9	0.0	151.4	1
8	55	-6500	55	-145	0	-80	-12	120.8	29.6	12.3	0.0	150.4	1
1A	111	-10185	-9	177	0	-143	23	189.3	53.9	15.0	0.0	243.2	1
1B	111	-10185	30	177	0	-143	-15	189.3	48.2	15.0	0.0	237.5	1
1C	111	-10185	-9	-176	0	122	23	189.3	48.4	15.0	0.0	237.7	1
1D	111	-10185	30	-176	0	122	-15	189.3	42.7	15.0	0.0	232.0	1
1E	111	7357	-9	177	0	-143	23	136.7	53.9	15.0	0.0	190.6	1
1F	111	7357	30	177	0	-143	-15	136.7	48.2	15.0	0.0	184.9	1
1G	111	7357	-9	-176	0	122	23	136.7	48.4	15.0	0.0	185.2	1
1H	111	7357	30	-176	0	122	-15	136.7	42.7	15.0	0.0	179.4	1
1I	111	-7597	-21	113	0	116	-14	141.2	39.9	9.5	0.0	181.1	1
1J	111	-7597	42	113	0	116	21	141.2	45.6	9.5	0.0	186.8	1
1K	111	-7597	-21	-112	0	-137	-14	141.2	45.4	9.5	0.0	186.6	1
1L	111	-7597	42	-112	0	-137	21	141.2	51.1	9.5	0.0	192.3	1
1M	111	4769	-21	113	0	116	-14	88.6	39.9	9.5	0.0	128.6	1
1N	111	4769	42	113	0	116	21	88.6	45.6	9.5	0.0	134.3	1
1O	111	4769	-21	-112	0	-137	-14	88.6	45.4	9.5	0.0	134.0	1
1P	111	4769	42	-112	0	-137	21	88.6	51.1	9.5	0.0	139.8	1
2	111	-7827	66	-41	0	-27	21	145.5	22.8	3.5	0.0	168.3	1
7	111	-6563	56	-25	0	-15	18	122.0	17.3	2.1	0.0	139.3	1
8	111	-6470	55	-31	0	-32	19	120.3	22.2	2.6	0.0	142.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-10231	57	24	23	23	14	1.03	1.00	228.4	
1B	-10231	57	30	23	23	14	1.03	1.00	233.1	
1C	-10231	54	24	23	23	14	1.03	1.00	227.5	
1D	-10231	54	30	23	23	14	1.03	1.00	232.2	
1E	7357	57	24	23	23	14	1.00	1.00	169.2	
1F	7357	57	30	23	23	14	1.00	1.00	173.8	
1G	7357	54	24	23	23	14	1.00	1.00	168.3	
1H	7357	54	30	23	23	14	1.00	1.00	172.9	
1I	-7643	154	7	23	23	14	1.03	1.00	191.6	
1J	-7643	154	14	23	23	14	1.03	1.00	196.2	
1K	-7643	175	7	23	23	14	1.03	1.00	196.9	
1L	-7643	175	14	23	23	14	1.03	1.00	201.5	
1M	4769	154	7	23	23	14	1.00	1.00	133.8	
1N	4769	154	14	23	23	14	1.00	1.00	138.4	
1O	4769	175	7	23	23	14	1.00	1.00	139.1	
1P	4769	175	14	23	23	14	1.00	1.00	143.8	
2	-7888	162	23	23	23	14	1.03	1.00	209.8	
7	-6624	139	19	23	23	14	1.03	1.00	177.3	
8	-6531	128	18	23	23	14	1.03	1.00	171.5	

ASTA NUM. 499 NI 22 NF 23 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6798	-23	38	0	84	29	126.4	43.1	3.2	0.0	169.5	1	
1B	0	-6798	8	38	0	84	-21	126.4	37.1	3.2	0.0	163.4	1	
1C	0	-6798	-23	-156	0	-149	29	126.4	59.8	13.2	0.0	186.2	1	
1D	0	-6798	8	-156	0	-149	-21	126.4	53.7	13.2	0.0	180.1	1	
1E	0	3906	-23	38	0	84	29	72.6	43.1	3.2	0.0	115.8	1	
1F	0	3906	8	38	0	84	-21	72.6	37.1	3.2	0.0	109.7	1	
1G	0	3906	-23	-156	0	-149	29	72.6	59.8	13.2	0.0	132.4	1	
1H	0	3906	8	-156	0	-149	-21	72.6	53.7	13.2	0.0	126.3	1	
1I	0	-7106	-42	8	0	129	28	132.1	54.2	1.6	0.0	186.3	1	
1J	0	-7106	28	8	0	129	-20	132.1	48.1	1.0	0.0	180.2	1	
1K	0	-7106	-42	-126	0	-193	28	132.1	70.9	10.7	0.0	203.0	1	
1L	0	-7106	28	-126	0	-193	-20	132.1	64.8	10.7	0.0	196.9	1	
1M	0	4214	-42	8	0	129	28	78.3	54.2	1.6	0.0	132.5	1	
1N	0	4214	28	8	0	129	-20	78.3	48.1	1.0	0.0	126.5	1	
1O	0	4214	-42	-126	0	-193	28	78.3	70.9	10.7	0.0	149.2	1	
1P	0	4214	28	-126	0	-193	-20	78.3	64.8	10.7	0.0	143.1	1	
2	0	-7965	-42	-503	0	-221	28	148.0	77.6	42.7	0.0	225.6	1	
7	0	-6691	-36	-451	0	-185	24	124.4	65.5	38.3	0.0	189.9	1	
8	0	-6537	-35	-381	0	-179	23	121.5	62.9	32.3	0.0	184.4	1	
1A	55	-6776	-23	38	0	83	23	125.9	38.7	3.2	0.0	164.7	1	
1B	55	-6776	8	38	0	83	-23	125.9	38.8	3.2	0.0	164.7	1	
1C	55	-6776	-23	-156	0	-83	23	125.9	38.6	13.2	0.0	164.5	1	
1D	55	-6776	8	-156	0	-83	-23	125.9	38.6	13.2	0.0	164.6	1	
1E	55	3930	-23	38	0	83	23	73.0	38.7	3.2	0.0	111.8	1	
1F	55	3930	8	38	0	83	-23	73.0	38.8	3.2	0.0	111.8	1	
1G	55	3930	-23	-156	0	-83	23	73.0	38.6	13.2	0.0	111.6	1	
1H	55	3930	8	-156	0	-83	-23	73.0	38.6	13.2	0.0	111.7	1	
1I	55	-7083	-42	8	0	130	0	131.7	33.8	1.6	0.0	165.5	1	
1J	55	-7083	28	8	0	130	-0	131.7	33.9	1.0	0.0	165.5	1	
1K	55	-7083	-42	-126	0	-130	0	131.7	33.7	10.7	0.0	165.3	1	

1L	55	-7083	28	-126	0	-130	-0	131.7	33.7	10.7	0.0	165.4	1
1M	55	4237	-42	8	0	130	0	78.8	33.8	1.6	0.0	112.6	1
1N	55	4237	28	8	0	130	-0	78.8	33.9	1.0	0.0	112.6	1
1O	55	4237	-42	-126	0	-130	0	78.8	33.7	10.7	0.0	112.4	1
1P	55	4237	28	-126	0	-130	-0	78.8	33.7	10.7	0.0	112.5	1
2	55	-7935	-42	-341	0	13	4	147.5	6.6	28.9	0.0	156.9	3
7	55	-6661	-36	-289	0	20	4	123.8	8.2	24.5	0.0	133.9	3
8	55	-6506	-35	-267	0	0	3	120.9	2.6	22.6	0.0	127.2	4
1A	111	-6752	-23	38	0	83	17	125.5	34.3	3.2	0.0	159.9	1
1B	111	-6752	8	38	0	83	-26	125.5	40.5	3.2	0.0	166.0	1
1C	111	-6752	-23	-156	0	-17	17	125.5	17.4	13.2	0.0	142.9	1
1D	111	-6752	8	-156	0	-17	-26	125.5	23.5	13.2	0.0	149.0	1
1E	111	3952	-23	38	0	83	17	73.5	34.3	3.2	0.0	107.8	1
1F	111	3952	8	38	0	83	-26	73.5	40.5	3.2	0.0	113.9	1
1G	111	3952	-23	-156	0	-17	17	73.5	17.4	13.2	0.0	90.8	1
1H	111	3952	8	-156	0	-17	-26	73.5	23.5	13.2	0.0	97.0	1
1I	111	-7060	-42	8	0	132	-27	131.2	54.5	1.6	0.0	185.8	1
1J	111	-7060	28	8	0	132	19	131.2	48.4	1.0	0.0	179.6	1
1K	111	-7060	-42	-126	0	-66	-27	131.2	37.6	10.7	0.0	168.8	1
1L	111	-7060	28	-126	0	-66	19	131.2	31.4	10.7	0.0	162.7	1
1M	111	4260	-42	8	0	132	-27	79.2	54.5	1.6	0.0	133.7	1
1N	111	4260	28	8	0	132	19	79.2	48.4	1.0	0.0	127.6	1
1O	111	4260	-42	-126	0	-66	-27	79.2	37.6	10.7	0.0	116.8	1
1P	111	4260	28	-126	0	-66	19	79.2	31.4	10.7	0.0	110.6	1
2	111	-7905	-42	-178	0	156	-19	146.9	54.3	15.1	0.0	201.3	1
7	111	-6631	-36	-126	0	135	-16	123.3	46.5	10.7	0.0	169.8	1
8	111	-6476	-35	-153	0	117	-16	120.4	41.9	13.0	0.0	162.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6798	83	24	23	23	14	1.03	1.00	169.9	
1B	-6798	83	24	23	23	14	1.03	1.00	169.4	
1C	-6798	96	24	23	23	14	1.03	1.00	173.1	
1D	-6798	96	24	23	23	14	1.03	1.00	172.6	
1E	3952	83	24	23	23	14	1.00	1.00	113.1	
1F	3952	83	24	23	23	14	1.00	1.00	112.6	
1G	3952	96	24	23	23	14	1.00	1.00	116.3	
1H	3952	96	24	23	23	14	1.00	1.00	115.8	
1I	-7106	131	11	23	23	14	1.03	1.00	178.2	
1J	-7106	131	8	23	23	14	1.03	1.00	175.8	
1K	-7106	142	11	23	23	14	1.03	1.00	181.2	
1L	-7106	142	8	23	23	14	1.03	1.00	178.8	
1M	4260	131	11	23	23	14	1.00	1.00	121.3	
1N	4260	131	8	23	23	14	1.00	1.00	118.8	
1O	4260	142	11	23	23	14	1.00	1.00	124.3	
1P	4260	142	8	23	23	14	1.00	1.00	121.9	
2	-7965	88	11	23	23	14	1.03	1.00	183.6	
7	-6691	74	10	23	23	14	1.03	1.00	154.4	
8	-6537	71	9	23	23	14	1.03	1.00	150.4	

ASTA NUM. 500 NI 23 NF 24 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6289	-2	116	0	97	13	116.9	34.6	9.9	0.0	151.5	1	
1B	0	-6289	12	116	0	97	-20	116.9	40.0	9.9	0.0	156.9	1	
1C	0	-6289	-2	-130	0	-73	13	116.9	28.4	11.0	0.0	145.3	1	
1D	0	-6289	12	-130	0	-73	-20	116.9	33.8	11.0	0.0	150.7	1	
1E	0	5799	-2	116	0	97	13	107.8	34.6	9.9	0.0	142.4	1	
1F	0	5799	12	116	0	97	-20	107.8	40.0	9.9	0.0	147.8	1	
1G	0	5799	-2	-130	0	-73	13	107.8	28.4	11.0	0.0	136.2	1	
1H	0	5799	12	-130	0	-73	-20	107.8	33.8	11.0	0.0	141.6	1	
1I	0	-4158	-11	94	0	157	12	77.3	49.4	8.0	0.0	126.7	1	
1J	0	-4158	21	94	0	157	-19	77.3	54.8	8.0	0.0	132.1	1	
1K	0	-4158	-11	-108	0	-133	12	77.3	43.2	9.1	0.0	120.5	1	
1L	0	-4158	21	-108	0	-133	-19	77.3	48.6	9.1	0.0	125.9	1	
1M	0	3668	-11	94	0	157	12	68.2	49.4	8.0	0.0	117.5	1	
1N	0	3668	21	94	0	157	-19	68.2	54.8	8.0	0.0	123.0	1	
1O	0	3668	-11	-108	0	-133	12	68.2	43.2	9.1	0.0	111.4	1	
1P	0	3668	21	-108	0	-133	-19	68.2	48.6	9.1	0.0	116.8	1	
2	0	1268	9	-337	0	-9	-12	23.6	11.7	28.6	0.0	54.9	4	
7	0	1251	7	-316	0	-7	-10	23.3	9.3	26.8	0.0	52.0	4	
8	0	556	10	-243	0	-10	-12	10.3	11.3	20.6	0.0	37.2	4	
1A	55	-6266	-2	116	0	16	14	116.5	14.4	9.9	0.0	130.9	1	
1B	55	-6266	12	116	0	16	-15	116.5	15.6	9.9	0.0	132.1	1	
1C	55	-6266	-2	-130	0	16	14	116.5	14.4	11.0	0.0	130.9	1	
1D	55	-6266	12	-130	0	16	-15	116.5	15.6	11.0	0.0	132.1	1	
1E	55	5822	-2	116	0	16	14	108.2	14.4	9.9	0.0	122.6	1	
1F	55	5822	12	116	0	16	-15	108.2	15.6	9.9	0.0	123.8	1	
1G	55	5822	-2	-130	0	16	14	108.2	14.4	11.0	0.0	122.6	1	
1H	55	5822	12	-130	0	16	-15	108.2	15.6	11.0	0.0	123.9	1	
1I	55	-4134	-11	94	0	125	3	76.8	34.2	8.0	0.0	111.1	1	
1J	55	-4134	21	94	0	125	-4	76.8	35.5	8.0	0.0	112.3	1	
1K	55	-4134	-11	-108	0	-94	3	76.8	26.2	9.1	0.0	103.0	1	
1L	55	-4134	21	-108	0	-94	-4	76.8	27.4	9.1	0.0	104.2	1	

1M	55	3691	-11	94	0	125	3	68.6	34.2	8.0	0.0	102.8	1
1N	55	3691	21	94	0	125	-4	68.6	35.5	8.0	0.0	104.1	1
1O	55	3691	-11	-108	0	-94	3	68.6	26.2	9.1	0.0	94.8	1
1P	55	3691	21	-108	0	-94	-4	68.6	27.4	9.1	0.0	96.0	1
2	55	1298	9	-175	0	132	-7	24.1	39.5	14.8	0.0	63.6	1
7	55	1282	7	-153	0	122	-6	23.8	35.8	13.0	0.0	59.7	1
8	55	587	10	-129	0	93	-6	10.9	28.6	10.9	0.0	39.5	1
1A	111	-6242	-2	116	0	-66	15	116.0	28.1	9.9	0.0	144.1	1
1B	111	-6242	12	116	0	-66	-11	116.0	25.1	9.9	0.0	141.1	1
1C	111	-6242	-2	-130	0	105	15	116.0	38.0	11.0	0.0	154.1	1
1D	111	-6242	12	-130	0	105	-11	116.0	35.1	11.0	0.0	151.1	1
1E	111	5846	-2	116	0	-66	15	108.7	28.1	9.9	0.0	136.7	1
1F	111	5846	12	116	0	-66	-11	108.7	25.1	9.9	0.0	133.7	1
1G	111	5846	-2	-130	0	105	15	108.7	38.0	11.0	0.0	146.7	1
1H	111	5846	12	-130	0	105	-11	108.7	35.1	11.0	0.0	143.7	1
1I	111	-4111	-11	94	0	93	-7	76.4	28.9	8.0	0.0	105.3	1
1J	111	-4111	21	94	0	93	11	76.4	31.9	8.0	0.0	108.3	1
1K	111	-4111	-11	-108	0	-55	-7	76.4	18.9	9.1	0.0	95.3	1
1L	111	-4111	21	-108	0	-55	11	76.4	21.9	9.1	0.0	98.3	1
1M	111	3714	-11	94	0	93	-7	69.0	28.9	8.0	0.0	97.9	1
1N	111	3714	21	94	0	93	11	69.0	31.9	8.0	0.0	100.9	1
1O	111	3714	-11	-108	0	-55	-7	69.0	18.9	9.1	0.0	88.0	1
1P	111	3714	21	-108	0	-55	11	69.0	21.9	9.1	0.0	90.9	1
2	111	1329	9	-12	0	184	-2	24.7	48.9	1.0	0.0	73.6	1
7	111	1312	7	9	0	162	-2	24.4	43.0	0.8	0.0	67.4	1
8	111	617	10	-15	0	132	-1	11.5	34.8	1.3	0.0	46.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6289	39	14	23	23	14	1.03	1.00	141.0	
1B	-6289	39	16	23	23	14	1.03	1.00	142.7	
1C	-6289	42	14	23	23	14	1.03	1.00	141.7	
1D	-6289	42	16	23	23	14	1.03	1.00	143.5	
1E	5846	39	14	23	23	14	1.00	1.00	129.2	
1F	5846	39	16	23	23	14	1.00	1.00	130.9	
1G	5846	42	14	23	23	14	1.00	1.00	129.9	
1H	5846	42	16	23	23	14	1.00	1.00	131.7	
1I	-4158	131	5	23	23	14	1.03	1.00	117.0	
1J	-4158	131	8	23	23	14	1.03	1.00	119.2	
1K	-4158	101	5	23	23	14	1.03	1.00	109.3	
1L	-4158	101	8	23	23	14	1.03	1.00	111.5	
1M	3714	131	5	23	23	14	1.00	1.00	106.5	
1N	3714	131	8	23	23	14	1.00	1.00	108.6	
1O	3714	101	5	23	23	14	1.00	1.00	98.8	
1P	3714	101	8	23	23	14	1.00	1.00	100.9	
2	1329	107	8	23	23	14	1.00	1.00	58.4	
7	1312	95	7	23	23	14	1.00	1.00	53.6	
8	617	75	7	23	23	14	1.00	1.00	36.4	

ASTA NUM. 501 NI 24 NF 25 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2937	-11	-3	0	65	10	54.6	24.5	0.4	0.0	79.1	1	
1B	0	-2937	14	-3	0	65	-10	54.6	24.0	0.5	0.0	78.6	1	
1C	0	-2937	-11	-117	0	-69	10	54.6	25.6	9.9	0.0	80.2	1	
1D	0	-2937	14	-117	0	-69	-10	54.6	25.1	9.9	0.0	79.7	1	
1E	0	2472	-11	-3	0	65	10	45.9	24.5	0.4	0.0	70.5	1	
1F	0	2472	14	-3	0	65	-10	45.9	24.0	0.5	0.0	70.0	1	
1G	0	2472	-11	-117	0	-69	10	45.9	25.6	9.9	0.0	71.5	1	
1H	0	2472	14	-117	0	-69	-10	45.9	25.1	9.9	0.0	71.1	1	
1I	0	-3685	-16	5	0	105	11	68.5	35.2	0.6	0.0	103.7	1	
1J	0	-3685	19	5	0	105	-10	68.5	34.7	0.7	0.0	103.2	1	
1K	0	-3685	-16	-125	0	-109	11	68.5	36.3	10.6	0.0	104.8	1	
1L	0	-3685	19	-125	0	-109	-10	68.5	35.8	10.6	0.0	104.3	1	
1M	0	3220	-16	5	0	105	11	59.8	35.2	0.6	0.0	95.1	1	
1N	0	3220	19	5	0	105	-10	59.8	34.7	0.7	0.0	94.6	1	
1O	0	3220	-16	-125	0	-109	11	59.8	36.3	10.6	0.0	96.1	1	
1P	0	3220	19	-125	0	-109	-10	59.8	35.8	10.6	0.0	95.7	1	
2	0	1013	25	-454	0	36	-6	18.8	13.3	38.5	0.0	69.3	4	
7	0	1008	22	-399	0	38	-5	18.7	13.3	33.8	0.0	61.6	4	
8	0	424	18	-346	0	18	-4	7.9	7.5	29.4	0.0	51.5	4	
1A	55	-2914	-11	-3	0	76	15	54.2	30.8	0.4	0.0	85.0	1	
1B	55	-2914	14	-3	0	76	-12	54.2	28.8	0.5	0.0	83.0	1	
1C	55	-2914	-11	-117	0	-14	15	54.2	14.8	9.9	0.0	69.0	1	
1D	55	-2914	14	-117	0	-14	-12	54.2	12.9	9.9	0.0	67.0	1	
1E	55	2495	-11	-3	0	76	15	46.4	30.8	0.4	0.0	77.2	1	
1F	55	2495	14	-3	0	76	-12	46.4	28.8	0.5	0.0	75.2	1	
1G	55	2495	-11	-117	0	-14	15	46.4	14.8	9.9	0.0	61.2	1	
1H	55	2495	14	-117	0	-14	-12	46.4	12.9	9.9	0.0	59.3	1	
1I	55	-3661	-16	5	0	105	0	68.1	27.3	0.6	0.0	95.3	1	
1J	55	-3661	19	5	0	105	2	68.1	28.7	0.7	0.0	96.8	1	
1K	55	-3661	-16	-125	0	-43	0	68.1	11.3	10.6	0.0	79.6	3	
1L	55	-3661	19	-125	0	-43	2	68.1	12.8	10.6	0.0	80.8	1	
1M	55	3243	-16	5	0	105	0	60.3	27.3	0.6	0.0	87.5	1	

1N	55	3243	19	5	0	105	2	60.3	28.7	0.7	0.0	89.0	1
1O	55	3243	-16	-125	0	-43	0	60.3	11.3	10.6	0.0	72.0	3
1P	55	3243	19	-125	0	-43	2	60.3	12.8	10.6	0.0	73.0	1
2	55	1043	25	-291	0	242	9	19.4	68.6	24.7	0.0	88.0	1
7	55	1038	22	-237	0	214	7	19.3	60.5	20.1	0.0	79.8	1
8	55	454	18	-232	0	178	6	8.4	50.3	19.7	0.0	58.7	1
1A	111	-2890	-11	-3	0	87	20	53.7	37.1	0.4	0.0	90.8	1
1B	111	-2890	14	-3	0	87	-15	53.7	33.7	0.5	0.0	87.4	1
1C	111	-2890	-11	-117	0	41	20	53.7	25.4	9.9	0.0	79.1	1
1D	111	-2890	14	-117	0	41	-15	53.7	22.0	9.9	0.0	75.7	1
1E	111	2519	-11	-3	0	87	20	46.8	37.1	0.4	0.0	83.9	1
1F	111	2519	14	-3	0	87	-15	46.8	33.7	0.5	0.0	80.5	1
1G	111	2519	-11	-117	0	41	20	46.8	25.4	9.9	0.0	72.2	1
1H	111	2519	14	-117	0	41	-15	46.8	22.0	9.9	0.0	68.8	1
1I	111	-3638	-16	5	0	105	-10	67.6	34.8	0.6	0.0	102.4	1
1J	111	-3638	19	5	0	105	15	67.6	38.2	0.7	0.0	105.8	1
1K	111	-3638	-16	-125	0	23	-10	67.6	13.7	10.6	0.0	81.3	1
1L	111	-3638	19	-125	0	23	15	67.6	17.1	10.6	0.0	84.7	1
1M	111	3266	-16	5	0	105	-10	60.7	34.8	0.6	0.0	95.5	1
1N	111	3266	19	5	0	105	15	60.7	38.2	0.7	0.0	98.9	1
1O	111	3266	-16	-125	0	23	-10	60.7	13.7	10.6	0.0	74.4	1
1P	111	3266	19	-125	0	23	15	60.7	17.1	10.6	0.0	77.8	1
2	111	1073	25	-129	0	358	23	19.9	109.0	10.9	0.0	129.0	1
7	111	1068	22	-74	0	300	19	19.9	91.6	6.3	0.0	111.5	1
8	111	485	18	-119	0	275	16	9.0	82.8	10.1	0.0	91.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2937	78	16	23	23	14	1.03	1.00	88.3	
1B	-2937	78	13	23	23	14	1.03	1.00	86.1	
1C	-2937	28	16	23	23	14	1.03	1.00	75.3	
1D	-2937	28	13	23	23	14	1.03	1.00	73.1	
1E	2519	78	16	23	23	14	1.00	1.00	78.9	
1F	2519	78	13	23	23	14	1.00	1.00	76.6	
1G	2519	28	16	23	23	14	1.00	1.00	65.9	
1H	2519	28	13	23	23	14	1.00	1.00	63.7	
1I	-3685	105	4	23	23	14	1.03	1.00	100.9	
1J	-3685	105	6	23	23	14	1.03	1.00	102.1	
1K	-3685	56	4	23	23	14	1.03	1.00	88.3	
1L	-3685	56	6	23	23	14	1.03	1.00	89.5	
1M	3266	105	4	23	23	14	1.00	1.00	91.0	
1N	3266	105	6	23	23	14	1.00	1.00	92.2	
1O	3266	56	4	23	23	14	1.00	1.00	78.5	
1P	3266	56	6	23	23	14	1.00	1.00	79.6	
2	1073	229	11	23	23	14	1.00	1.00	87.4	
7	1068	195	10	23	23	14	1.00	1.00	77.3	
8	485	172	8	23	23	14	1.00	1.00	59.3	

ASTA NUM. 502 NI 25 NF 26 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2568	-22	70	0	99	10	47.7	33.4	5.9	0.0	81.1	1	
1B	0	-2568	26	70	0	99	-12	47.7	34.7	5.9	0.0	82.4	1	
1C	0	-2568	-22	-90	0	-14	10	47.7	11.3	7.6	0.0	59.1	1	
1D	0	-2568	26	-90	0	-14	-12	47.7	12.6	7.6	0.0	60.3	1	
1E	0	4529	-22	70	0	99	10	84.2	33.4	5.9	0.0	117.6	1	
1F	0	4529	26	70	0	99	-12	84.2	34.7	5.9	0.0	118.9	1	
1G	0	4529	-22	-90	0	-14	10	84.2	11.3	7.6	0.0	95.5	1	
1H	0	4529	26	-90	0	-14	-12	84.2	12.6	7.6	0.0	96.8	1	
1I	0	-847	-17	68	0	128	12	15.7	42.1	5.8	0.0	57.9	1	
1J	0	-847	21	68	0	128	-14	15.7	43.4	5.8	0.0	59.2	1	
1K	0	-847	-17	-88	0	-42	12	15.7	20.0	7.5	0.0	35.8	1	
1L	0	-847	21	-88	0	-42	-14	15.7	21.3	7.5	0.0	37.1	1	
1M	0	2808	-17	68	0	128	12	52.2	42.1	5.8	0.0	94.3	1	
1N	0	2808	21	68	0	128	-14	52.2	43.4	5.8	0.0	95.6	1	
1O	0	2808	-17	-88	0	-42	12	52.2	20.0	7.5	0.0	72.2	1	
1P	0	2808	21	-88	0	-42	-14	52.2	21.3	7.5	0.0	73.5	1	
2	0	7881	-15	-268	0	235	8	146.5	66.5	22.7	0.0	212.9	1	
7	0	6583	-11	-246	0	200	6	122.4	56.2	20.9	0.0	178.6	1	
8	0	5857	-11	-196	0	178	6	108.9	49.9	16.6	0.0	158.8	1	
1A	55	-2545	-22	70	0	57	-2	47.3	16.3	5.9	0.0	63.6	1	
1B	55	-2545	26	70	0	57	3	47.3	16.6	5.9	0.0	63.9	1	
1C	55	-2545	-22	-90	0	40	-2	47.3	11.9	7.6	0.0	59.2	1	
1D	55	-2545	26	-90	0	40	3	47.3	12.2	7.6	0.0	59.5	1	
1E	55	4552	-22	70	0	57	-2	84.6	16.3	5.9	0.0	100.9	1	
1F	55	4552	26	70	0	57	3	84.6	16.6	5.9	0.0	101.2	1	
1G	55	4552	-22	-90	0	40	-2	84.6	11.9	7.6	0.0	96.5	1	
1H	55	4552	26	-90	0	40	3	84.6	12.2	7.6	0.0	96.8	1	
1I	55	-824	-17	68	0	81	3	15.3	22.7	5.8	0.0	38.1	1	
1J	55	-824	21	68	0	81	-2	15.3	22.5	5.8	0.0	37.8	1	
1K	55	-824	-17	-88	0	16	3	15.3	6.2	7.5	0.0	22.3	3	
1L	55	-824	21	-88	0	16	-2	15.3	5.9	7.5	0.0	22.3	3	
1M	55	2831	-17	68	0	81	3	52.6	22.7	5.8	0.0	75.4	1	
1N	55	2831	21	68	0	81	-2	52.6	22.5	5.8	0.0	75.1	1	

1O	55	2831	-17	-88	0	16	3	52.6	6.2	7.5	0.0	58.8	1
1P	55	2831	21	-88	0	16	-2	52.6	5.9	7.5	0.0	58.5	1
2	55	7912	-15	-106	0	338	-0	147.1	87.1	8.9	0.0	234.2	1
7	55	6614	-11	-84	0	291	0	122.9	74.9	7.1	0.0	197.8	1
8	55	5888	-11	-82	0	255	-1	109.4	66.0	7.0	0.0	175.5	1
1A	111	-2521	-22	70	0	15	-15	46.9	14.9	5.9	0.0	61.8	1
1B	111	-2521	26	70	0	15	17	46.9	16.7	5.9	0.0	63.6	1
1C	111	-2521	-22	-90	0	93	-15	46.9	35.2	7.6	0.0	82.1	1
1D	111	-2521	26	-90	0	93	17	46.9	37.0	7.6	0.0	83.9	1
1E	111	4575	-22	70	0	15	-15	85.0	14.9	5.9	0.0	99.9	1
1F	111	4575	26	70	0	15	17	85.0	16.7	5.9	0.0	101.8	1
1G	111	4575	-22	-90	0	93	-15	85.0	35.2	7.6	0.0	120.2	1
1H	111	4575	26	-90	0	93	17	85.0	37.0	7.6	0.0	122.1	1
1I	111	-800	-17	68	0	33	-7	14.9	13.8	5.8	0.0	28.7	1
1J	111	-800	21	68	0	33	9	14.9	15.6	5.8	0.0	30.5	1
1K	111	-800	-17	-88	0	75	-7	14.9	24.4	7.5	0.0	39.3	1
1L	111	-800	21	-88	0	75	9	14.9	26.3	7.5	0.0	41.1	1
1M	111	2854	-17	68	0	33	-7	53.1	13.8	5.8	0.0	66.9	1
1N	111	2854	21	68	0	33	9	53.1	15.6	5.8	0.0	68.7	1
1O	111	2854	-17	-88	0	75	-7	53.1	24.4	7.5	0.0	77.5	1
1P	111	2854	21	-88	0	75	9	53.1	26.3	7.5	0.0	79.3	1
2	111	7942	-15	57	0	352	-8	147.6	96.7	4.8	0.0	244.3	1
7	111	6644	-11	79	0	292	-6	123.5	79.9	6.7	0.0	203.4	1
8	111	5918	-11	31	0	269	-7	110.0	74.4	2.7	0.0	184.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2568	65	6	23	23	14	1.03	1.00	70.5	
1B	-2568	65	7	23	23	14	1.03	1.00	71.2	
1C	-2568	51	6	23	23	14	1.03	1.00	66.7	
1D	-2568	51	7	23	23	14	1.03	1.00	67.4	
1E	4575	65	6	23	23	14	1.00	1.00	106.4	
1F	4575	65	7	23	23	14	1.00	1.00	107.1	
1G	4575	51	6	23	23	14	1.00	1.00	102.5	
1H	4575	51	7	23	23	14	1.00	1.00	103.3	
1I	-847	90	5	23	23	14	1.03	1.00	43.1	
1J	-847	90	6	23	23	14	1.03	1.00	43.6	
1K	-847	30	5	23	23	14	1.03	1.00	27.6	
1L	-847	30	6	23	23	14	1.03	1.00	28.1	
1M	2854	90	5	23	23	14	1.00	1.00	79.9	
1N	2854	90	6	23	23	14	1.00	1.00	80.4	
1O	2854	30	5	23	23	14	1.00	1.00	64.4	
1P	2854	30	6	23	23	14	1.00	1.00	64.9	
2	7942	305	3	23	23	14	1.00	1.00	228.6	
7	6644	255	3	23	23	14	1.00	1.00	191.1	
8	5918	232	3	23	23	14	1.00	1.00	171.9	

ASTA NUM. 503 NI 26 NF 27 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	309	-15	-28	0	59	8	5.7	21.4	2.4	0.0	27.1	1	
1B	0	309	32	-28	0	59	-15	5.7	26.2	2.4	0.0	31.9	1	
1C	0	309	-15	-114	0	7	8	5.7	8.1	9.7	0.0	17.8	4	
1D	0	309	32	-114	0	7	-15	5.7	12.9	9.7	0.0	18.6	1	
1E	0	1759	-15	-28	0	59	8	32.7	21.4	2.4	0.0	54.1	1	
1F	0	1759	32	-28	0	59	-15	32.7	26.2	2.4	0.0	58.9	1	
1G	0	1759	-15	-114	0	7	8	32.7	8.1	9.7	0.0	40.8	1	
1H	0	1759	32	-114	0	7	-15	32.7	12.9	9.7	0.0	45.6	1	
1I	0	-455	-8	4	0	88	6	8.5	27.1	0.4	0.0	35.5	1	
1J	0	-455	26	4	0	88	-12	8.5	31.9	1.0	0.0	40.3	1	
1K	0	-455	-8	-147	0	-22	6	8.5	10.1	12.4	0.0	23.5	3	
1L	0	-455	26	-147	0	-22	-12	8.5	14.9	12.4	0.0	23.7	3	
1M	0	2523	-8	4	0	88	6	46.9	27.1	0.4	0.0	74.0	1	
1N	0	2523	26	4	0	88	-12	46.9	31.9	1.0	0.0	78.8	1	
1O	0	2523	-8	-147	0	-22	6	46.9	10.1	12.4	0.0	57.0	1	
1P	0	2523	26	-147	0	-22	-12	46.9	14.9	12.4	0.0	61.8	1	
2	0	7680	64	-446	0	248	-29	142.8	85.1	37.8	0.0	227.9	1	
7	0	6368	54	-379	0	212	-25	118.4	72.9	32.1	0.0	191.2	1	
8	0	5769	49	-346	0	185	-22	107.2	64.0	29.3	0.0	171.3	1	
1A	55	332	-15	-28	0	69	-0	6.2	17.8	2.4	0.0	23.9	1	
1B	55	332	32	-28	0	69	3	6.2	20.2	2.4	0.0	26.4	1	
1C	55	332	-15	-114	0	76	-0	6.2	19.5	9.7	0.0	27.9	3	
1D	55	332	32	-114	0	76	3	6.2	22.0	9.7	0.0	28.1	1	
1E	55	1782	-15	-28	0	69	-0	33.1	17.8	2.4	0.0	50.9	1	
1F	55	1782	32	-28	0	69	3	33.1	20.2	2.4	0.0	53.3	1	
1G	55	1782	-15	-114	0	76	-0	33.1	19.5	9.7	0.0	52.7	3	
1H	55	1782	32	-114	0	76	3	33.1	22.0	9.7	0.0	55.1	1	
1I	55	-431	-8	4	0	84	1	8.0	22.3	0.4	0.0	30.3	1	
1J	55	-431	26	4	0	84	2	8.0	23.5	1.0	0.0	31.5	1	
1K	55	-431	-8	-147	0	61	1	8.0	16.2	12.4	0.0	29.1	3	
1L	55	-431	26	-147	0	61	2	8.0	17.4	12.4	0.0	29.2	3	
1M	55	2546	-8	4	0	84	1	47.3	22.3	0.4	0.0	69.6	1	
1N	55	2546	26	4	0	84	2	47.3	23.5	1.0	0.0	70.8	1	
1O	55	2546	-8	-147	0	61	1	47.3	16.2	12.4	0.0	64.2	3	

1P	55	2546	26	-147	0	61	2	47.3	17.4	12.4	0.0	64.7	1
2	55	7710	64	-283	0	450	7	143.3	121.0	24.0	0.0	264.4	1
7	55	6398	54	-216	0	376	5	118.9	100.9	18.3	0.0	219.8	1
8	55	5800	49	-232	0	345	5	107.8	92.7	19.7	0.0	200.5	1
1A	111	356	-15	-28	0	79	-8	6.6	26.7	2.4	0.0	33.3	1
1B	111	356	32	-28	0	79	21	6.6	36.3	2.4	0.0	42.9	1
1C	111	356	-15	-114	0	145	-8	6.6	43.5	9.7	0.0	50.1	1
1D	111	356	32	-114	0	145	21	6.6	53.1	9.7	0.0	59.7	1
1E	111	1806	-15	-28	0	79	-8	33.6	26.7	2.4	0.0	60.2	1
1F	111	1806	32	-28	0	79	21	33.6	36.3	2.4	0.0	69.9	1
1G	111	1806	-15	-114	0	145	-8	33.6	43.5	9.7	0.0	77.0	1
1H	111	1806	32	-114	0	145	21	33.6	53.1	9.7	0.0	86.7	1
1I	111	-408	-8	4	0	80	-4	7.6	23.7	0.4	0.0	31.3	1
1J	111	-408	26	4	0	80	17	7.6	33.4	1.0	0.0	40.9	1
1K	111	-408	-8	-147	0	144	-4	7.6	40.0	12.4	0.0	47.6	1
1L	111	-408	26	-147	0	144	17	7.6	49.7	12.4	0.0	57.3	1
1M	111	2570	-8	4	0	80	-4	47.8	23.7	0.4	0.0	71.5	1
1N	111	2570	26	4	0	80	17	47.8	33.4	1.0	0.0	81.1	1
1O	111	2570	-8	-147	0	144	-4	47.8	40.0	12.4	0.0	87.8	1
1P	111	2570	26	-147	0	144	17	47.8	49.7	12.4	0.0	97.5	1
2	111	7740	64	-121	0	562	43	143.9	176.5	10.3	0.0	320.4	1
7	111	6429	54	-54	0	451	35	119.5	142.6	4.6	0.0	262.1	1
8	111	5830	49	-118	0	442	32	108.4	138.0	10.0	0.0	246.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	356	71	3	23	23	14	1.00	1.00	27.4	
1B	356	71	9	23	23	14	1.00	1.00	31.3	
1C	356	90	3	23	23	14	1.00	1.00	32.2	
1D	356	90	9	23	23	14	1.00	1.00	36.0	
1E	1806	71	3	23	23	14	1.00	1.00	54.4	
1F	1806	71	9	23	23	14	1.00	1.00	58.2	
1G	1806	90	3	23	23	14	1.00	1.00	59.1	
1H	1806	90	9	23	23	14	1.00	1.00	63.0	
1I	-455	85	2	23	23	14	1.03	1.00	32.3	
1J	-455	85	7	23	23	14	1.03	1.00	35.7	
1K	-455	77	2	23	23	14	1.03	1.00	30.3	
1L	-455	77	7	23	23	14	1.03	1.00	33.7	
1M	2570	85	2	23	23	14	1.00	1.00	71.4	
1N	2570	85	7	23	23	14	1.00	1.00	74.7	
1O	2570	77	2	23	23	14	1.00	1.00	69.4	
1P	2570	77	7	23	23	14	1.00	1.00	72.7	
2	7740	436	17	23	23	14	1.00	1.00	268.9	
7	6429	355	14	23	23	14	1.00	1.00	221.5	
8	5830	339	13	23	23	14	1.00	1.00	205.4	

ASTA NUM. 504 NI 27 NF 28 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	95	-55	-18	0	113	45	1.8	62.9	2.1	0.0	64.7	1	
1B	0	95	43	-18	0	113	-40	1.8	59.0	1.6	0.0	60.8	1	
1C	0	95	-55	-191	0	76	45	1.8	53.5	16.2	0.0	55.3	1	
1D	0	95	43	-191	0	76	-40	1.8	49.6	16.2	0.0	51.4	1	
1E	0	3755	-55	-18	0	113	45	69.8	62.9	2.1	0.0	132.7	1	
1F	0	3755	43	-18	0	113	-40	69.8	59.0	1.6	0.0	128.8	1	
1G	0	3755	-55	-191	0	76	45	69.8	53.5	16.2	0.0	123.3	1	
1H	0	3755	43	-191	0	76	-40	69.8	49.6	16.2	0.0	119.4	1	
1I	0	876	-26	32	0	112	33	16.3	53.1	2.7	0.0	69.4	1	
1J	0	876	14	32	0	112	-27	16.3	49.2	2.7	0.0	65.5	1	
1K	0	876	-26	-241	0	78	33	16.3	44.4	20.4	0.0	60.7	1	
1L	0	876	14	-241	0	78	-27	16.3	40.5	20.4	0.0	56.8	1	
1M	0	2974	-26	32	0	112	33	55.3	53.1	2.7	0.0	108.4	1	
1N	0	2974	14	32	0	112	-27	55.3	49.2	2.7	0.0	104.5	1	
1O	0	2974	-26	-241	0	78	33	55.3	44.4	20.4	0.0	99.7	1	
1P	0	2974	14	-241	0	78	-27	55.3	40.5	20.4	0.0	95.8	1	
2	0	10820	-44	-621	0	498	18	201.1	141.7	52.7	0.0	342.8	1	
7	0	8567	-36	-496	0	406	12	159.2	113.9	42.1	0.0	273.1	1	
8	0	8420	-35	-484	0	389	15	156.5	111.3	41.0	0.0	267.8	1	
1A	55	119	-55	-18	0	117	10	2.2	37.4	2.1	0.0	39.6	1	
1B	55	119	43	-18	0	117	-11	2.2	38.4	1.6	0.0	40.6	1	
1C	55	119	-55	-191	0	188	10	2.2	55.6	16.2	0.0	57.8	1	
1D	55	119	43	-191	0	188	-11	2.2	56.7	16.2	0.0	58.9	1	
1E	55	3778	-55	-18	0	117	10	70.2	37.4	2.1	0.0	107.6	1	
1F	55	3778	43	-18	0	117	-11	70.2	38.4	1.6	0.0	108.6	1	
1G	55	3778	-55	-191	0	188	10	70.2	55.6	16.2	0.0	125.9	1	
1H	55	3778	43	-191	0	188	-11	70.2	56.7	16.2	0.0	126.9	1	
1I	55	900	-26	32	0	92	24	16.7	41.9	2.7	0.0	58.7	1	
1J	55	900	14	32	0	92	-26	16.7	43.0	2.7	0.0	59.7	1	
1K	55	900	-26	-241	0	213	24	16.7	73.2	20.4	0.0	89.9	1	
1L	55	900	14	-241	0	213	-26	16.7	74.2	20.4	0.0	91.0	1	
1M	55	2997	-26	32	0	92	24	55.7	41.9	2.7	0.0	97.6	1	
1N	55	2997	14	32	0	92	-26	55.7	43.0	2.7	0.0	98.7	1	
1O	55	2997	-26	-241	0	213	24	55.7	73.2	20.4	0.0	128.9	1	
1P	55	2997	14	-241	0	213	-26	55.7	74.2	20.4	0.0	129.9	1	

2	55	10850	-44	-459	0	797	-6	201.7	209.9	38.9	0.0	411.5	1
7	55	8598	-36	-334	0	636	-7	159.8	169.1	28.3	0.0	328.9	1
8	55	8450	-35	-370	0	625	-4	157.1	163.8	31.4	0.0	320.9	1
1A	111	142	-55	-18	0	121	-26	2.6	50.5	2.1	0.0	53.1	1
1B	111	142	43	-18	0	121	18	2.6	44.5	1.6	0.0	47.1	1
1C	111	142	-55	-191	0	300	-26	2.6	96.4	16.2	0.0	99.0	1
1D	111	142	43	-191	0	300	18	2.6	90.4	16.2	0.0	93.1	1
1E	111	3802	-55	-18	0	121	-26	70.7	50.5	2.1	0.0	121.1	1
1F	111	3802	43	-18	0	121	18	70.7	44.5	1.6	0.0	115.2	1
1G	111	3802	-55	-191	0	300	-26	70.7	96.4	16.2	0.0	167.1	1
1H	111	3802	43	-191	0	300	18	70.7	90.4	16.2	0.0	161.1	1
1I	111	924	-26	32	0	72	16	17.2	30.7	2.7	0.0	47.9	1
1J	111	924	14	32	0	72	-24	17.2	36.7	2.7	0.0	53.9	1
1K	111	924	-26	-241	0	349	16	17.2	102.0	20.4	0.0	119.1	1
1L	111	924	14	-241	0	349	-24	17.2	107.9	20.4	0.0	125.1	1
1M	111	3020	-26	32	0	72	16	56.1	30.7	2.7	0.0	86.9	1
1N	111	3020	14	32	0	72	-24	56.1	36.7	2.7	0.0	92.8	1
1O	111	3020	-26	-241	0	349	16	56.1	102.0	20.4	0.0	158.1	1
1P	111	3020	14	-241	0	349	-24	56.1	107.9	20.4	0.0	164.1	1
2	111	10880	-44	-296	0	1006	-31	202.2	282.0	25.1	0.0	484.2	1
7	111	8628	-36	-171	0	776	-27	160.4	219.8	14.5	0.0	380.2	1
8	111	8480	-35	-256	0	798	-23	157.6	222.7	21.7	0.0	380.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	142	118	18	23	23	14	1.00	1.00	46.5	
1B	142	118	17	23	23	14	1.00	1.00	45.6	
1C	142	210	18	23	23	14	1.00	1.00	70.3	
1D	142	210	17	23	23	14	1.00	1.00	69.4	
1E	3802	118	18	23	23	14	1.00	1.00	114.5	
1F	3802	118	17	23	23	14	1.00	1.00	113.6	
1G	3802	210	18	23	23	14	1.00	1.00	138.3	
1H	3802	210	17	23	23	14	1.00	1.00	137.4	
1I	924	96	26	23	23	14	1.00	1.00	61.3	
1J	924	96	26	23	23	14	1.00	1.00	61.4	
1K	924	240	26	23	23	14	1.00	1.00	98.5	
1L	924	240	26	23	23	14	1.00	1.00	98.6	
1M	3020	96	26	23	23	14	1.00	1.00	100.3	
1N	3020	96	26	23	23	14	1.00	1.00	100.4	
1O	3020	240	26	23	23	14	1.00	1.00	137.5	
1P	3020	240	26	23	23	14	1.00	1.00	137.6	
2	10880	803	12	23	23	14	1.00	1.00	418.1	
7	8628	628	11	23	23	14	1.00	1.00	330.4	
8	8480	634	9	23	23	14	1.00	1.00	327.8	

ASTA NUM. 505 NI 28 NF 38 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	1118	-25	391	0	293	27	20.8	95.7	33.1	0.0	116.5	1	
1B	0	1118	27	391	0	293	-32	20.8	99.6	33.1	0.0	120.3	1	
1C	0	1118	-25	206	0	163	27	20.8	62.4	17.5	0.0	83.2	1	
1D	0	1118	27	206	0	163	-32	20.8	66.2	17.5	0.0	87.0	1	
1E	0	2878	-25	391	0	293	27	53.5	95.7	33.1	0.0	149.3	1	
1F	0	2878	27	391	0	293	-32	53.5	99.6	33.1	0.0	153.1	1	
1G	0	2878	-25	206	0	163	27	53.5	62.4	17.5	0.0	115.9	1	
1H	0	2878	27	206	0	163	-32	53.5	66.2	17.5	0.0	119.7	1	
1I	0	1263	-41	409	0	339	41	23.5	117.7	34.7	0.0	141.2	1	
1J	0	1263	43	409	0	339	-46	23.5	121.5	34.7	0.0	145.0	1	
1K	0	1263	-41	187	0	117	41	23.5	60.4	15.9	0.0	83.9	1	
1L	0	1263	43	187	0	117	-46	23.5	64.3	15.9	0.0	87.7	1	
1M	0	2733	-41	409	0	339	41	50.8	117.7	34.7	0.0	168.5	1	
1N	0	2733	43	409	0	339	-46	50.8	121.5	34.7	0.0	172.3	1	
1O	0	2733	-41	187	0	117	41	50.8	60.4	15.9	0.0	111.2	1	
1P	0	2733	43	187	0	117	-46	50.8	64.3	15.9	0.0	115.1	1	
2	0	10780	21	1380	0	1114	-27	200.4	306.6	117.0	0.0	507.0	1	
7	0	8556	20	1055	0	867	-25	159.0	241.8	89.5	0.0	400.8	1	
8	0	8409	15	1099	0	881	-19	156.3	241.3	93.2	0.0	397.6	1	
1A	55	1141	-25	391	0	56	17	21.2	27.2	33.1	0.0	61.4	3	
1B	55	1141	27	391	0	56	-21	21.2	30.3	33.1	0.0	61.5	3	
1C	55	1141	-25	206	0	69	17	21.2	30.6	17.5	0.0	51.8	1	
1D	55	1141	27	206	0	69	-21	21.2	33.7	17.5	0.0	55.0	1	
1E	55	2902	-25	391	0	56	17	53.9	27.2	33.1	0.0	84.3	3	
1F	55	2902	27	391	0	56	-21	53.9	30.3	33.1	0.0	84.4	3	
1G	55	2902	-25	206	0	69	17	53.9	30.6	17.5	0.0	84.6	1	
1H	55	2902	27	206	0	69	-21	53.9	33.7	17.5	0.0	87.7	1	
1I	55	1286	-41	409	0	96	16	23.9	36.9	34.7	0.0	70.6	3	
1J	55	1286	43	409	0	96	-21	23.9	40.0	34.7	0.0	70.7	3	
1K	55	1286	-41	187	0	30	16	23.9	19.9	15.9	0.0	43.8	1	
1L	55	1286	43	187	0	30	-21	23.9	23.1	15.9	0.0	47.0	1	
1M	55	2757	-41	409	0	96	16	51.2	36.9	34.7	0.0	90.9	3	
1N	55	2757	43	409	0	96	-21	51.2	40.0	34.7	0.0	91.3	1	
1O	55	2757	-41	187	0	30	16	51.2	19.9	15.9	0.0	71.2	1	
1P	55	2757	43	187	0	30	-21	51.2	23.1	15.9	0.0	74.3	1	
2	55	10810	21	1542	0	306	-15	200.9	89.9	130.8	0.0	337.6	3	

7	55	8586	20	1218	0	238	-14	159.6	71.6	103.2	0.0	266.7	3
8	55	8439	15	1212	0	242	-11	156.9	70.6	102.8	0.0	264.8	3
1A	111	1165	-25	391	0	-180	7	21.6	51.5	33.1	0.0	81.2	3
1B	111	1165	27	391	0	-180	-10	21.6	53.9	33.1	0.0	81.3	3
1C	111	1165	-25	206	0	-24	7	21.6	11.3	17.5	0.0	38.3	3
1D	111	1165	27	206	0	-24	-10	21.6	13.7	17.5	0.0	38.4	3
1E	111	2925	-25	391	0	-180	7	54.4	51.5	33.1	0.0	108.7	3
1F	111	2925	27	391	0	-180	-10	54.4	53.9	33.1	0.0	108.8	3
1G	111	2925	-25	206	0	-24	7	54.4	11.3	17.5	0.0	65.8	3
1H	111	2925	27	206	0	-24	-10	54.4	13.7	17.5	0.0	68.1	1
1I	111	1310	-41	409	0	-148	-8	24.3	43.9	34.7	0.0	79.1	3
1J	111	1310	43	409	0	-148	5	24.3	41.5	34.7	0.0	79.1	3
1K	111	1310	-41	187	0	-57	-8	24.3	20.6	15.9	0.0	44.9	3
1L	111	1310	43	187	0	-57	5	24.3	18.2	15.9	0.0	44.9	3
1M	111	2780	-41	409	0	-148	-8	51.7	43.9	34.7	0.0	101.0	3
1N	111	2780	43	409	0	-148	5	51.7	41.5	34.7	0.0	101.0	3
1O	111	2780	-41	187	0	-57	-8	51.7	20.6	15.9	0.0	72.3	1
1P	111	2780	43	187	0	-57	5	51.7	18.2	15.9	0.0	69.8	1
2	111	10840	21	1705	0	-593	-3	201.5	155.1	144.6	0.0	404.1	3
7	111	8617	20	1380	0	-481	-3	160.2	125.7	117.0	0.0	324.9	3
8	111	8469	15	1326	0	-461	-3	157.4	120.8	112.4	0.0	314.9	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	1165	117	19	23	23	14	1.00	1.00	66.1	
1B	1165	117	23	23	23	14	1.00	1.00	69.3	
1C	1165	88	19	23	23	14	1.00	1.00	58.6	
1D	1165	88	23	23	23	14	1.00	1.00	61.9	
1E	2925	117	19	23	23	14	1.00	1.00	98.8	
1F	2925	117	23	23	23	14	1.00	1.00	102.0	
1G	2925	88	19	23	23	14	1.00	1.00	91.4	
1H	2925	88	23	23	23	14	1.00	1.00	94.6	
1I	1310	144	21	23	23	14	1.00	1.00	77.4	
1J	1310	144	26	23	23	14	1.00	1.00	80.7	
1K	1310	47	21	23	23	14	1.00	1.00	52.4	
1L	1310	47	26	23	23	14	1.00	1.00	55.6	
1M	2780	144	21	23	23	14	1.00	1.00	104.7	
1N	2780	144	26	23	23	14	1.00	1.00	108.0	
1O	2780	47	21	23	23	14	1.00	1.00	79.7	
1P	2780	47	26	23	23	14	1.00	1.00	83.0	
2	10840	446	17	23	23	14	1.00	1.00	329.2	
7	8617	347	16	23	23	14	1.00	1.00	261.4	
8	8469	353	13	23	23	14	1.00	1.00	257.8	

ASTA NUM. 506 NI 20 NF 19 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6935	-12	187	0	125	28	128.9	52.8	15.9	0.0	181.7	1	
1B	0	-6935	32	187	0	125	-43	128.9	64.0	15.9	0.0	192.9	1	
1C	0	-6935	-12	-157	0	-108	28	128.9	48.5	13.3	0.0	177.4	1	
1D	0	-6935	32	-157	0	-108	-43	128.9	59.7	13.3	0.0	188.6	1	
1E	0	5458	-12	187	0	125	28	101.5	52.8	15.9	0.0	154.2	1	
1F	0	5458	32	187	0	125	-43	101.5	64.0	15.9	0.0	165.4	1	
1G	0	5458	-12	-157	0	-108	28	101.5	48.5	13.3	0.0	150.0	1	
1H	0	5458	32	-157	0	-108	-43	101.5	59.7	13.3	0.0	161.2	1	
1I	0	-5247	-23	83	0	90	21	97.5	38.5	7.0	0.0	136.0	1	
1J	0	-5247	43	83	0	90	-35	97.5	49.7	7.0	0.0	147.2	1	
1K	0	-5247	-23	-53	0	-73	21	97.5	34.3	4.5	0.0	131.8	1	
1L	0	-5247	43	-53	0	-73	-35	97.5	45.4	4.5	0.0	143.0	1	
1M	0	3770	-23	83	0	90	21	70.1	38.5	7.0	0.0	108.6	1	
1N	0	3770	43	83	0	90	-35	70.1	49.7	7.0	0.0	119.8	1	
1O	0	3770	-23	-53	0	-73	21	70.1	34.3	4.5	0.0	104.3	1	
1P	0	3770	43	-53	0	-73	-35	70.1	45.4	4.5	0.0	115.5	1	
2	0	-4486	68	-143	0	-100	-54	83.4	66.3	12.2	0.0	149.7	1	
7	0	-3864	58	-124	0	-82	-46	71.8	55.6	10.5	0.0	127.5	1	
8	0	-3818	56	-117	0	-85	-44	71.0	54.8	9.9	0.0	125.8	1	
1A	55	-6912	-12	187	0	8	25	128.5	20.8	15.9	0.0	149.3	1	
1B	55	-6912	32	187	0	8	-29	128.5	23.9	15.9	0.0	152.4	1	
1C	55	-6912	-12	-157	0	-8	25	128.5	20.8	13.3	0.0	149.3	1	
1D	55	-6912	32	-157	0	-8	-29	128.5	23.9	13.3	0.0	152.4	1	
1E	55	5482	-12	187	0	8	25	101.9	20.8	15.9	0.0	122.7	1	
1F	55	5482	32	187	0	8	-29	101.9	23.9	15.9	0.0	125.8	1	
1G	55	5482	-12	-157	0	-8	25	101.9	20.8	13.3	0.0	122.7	1	
1H	55	5482	32	-157	0	-8	-29	101.9	23.9	13.3	0.0	125.8	1	
1I	55	-5224	-23	83	0	81	3	97.1	23.1	7.0	0.0	120.2	1	
1J	55	-5224	43	83	0	81	-7	97.1	26.2	7.0	0.0	123.3	1	
1K	55	-5224	-23	-53	0	-81	3	97.1	23.1	4.5	0.0	120.2	1	
1L	55	-5224	43	-53	0	-81	-7	97.1	26.2	4.5	0.0	123.3	1	
1M	55	3794	-23	83	0	81	3	70.5	23.1	7.0	0.0	93.6	1	
1N	55	3794	43	83	0	81	-7	70.5	26.2	7.0	0.0	96.7	1	
1O	55	3794	-23	-53	0	-81	3	70.5	23.1	4.5	0.0	93.6	1	
1P	55	3794	43	-53	0	-81	-7	70.5	26.2	4.5	0.0	96.7	1	
2	55	-4456	68	-80	0	-38	-17	82.8	22.2	6.8	0.0	105.0	1	
7	55	-3834	58	-63	0	-30	-14	71.3	18.4	5.3	0.0	89.7	1	

8	55	-3788	56	-70	0	-33	-13	70.4	18.1	6.0	0.0	88.5	1
1A	111	-6888	-12	187	0	-109	22	128.0	44.8	15.9	0.0	172.8	1
1B	111	-6888	32	187	0	-109	-16	128.0	39.9	15.9	0.0	167.9	1
1C	111	-6888	-12	-157	0	92	22	128.0	40.5	13.3	0.0	168.6	1
1D	111	-6888	32	-157	0	92	-16	128.0	35.6	13.3	0.0	163.6	1
1E	111	5505	-12	187	0	-109	22	102.3	44.8	15.9	0.0	147.1	1
1F	111	5505	32	187	0	-109	-16	102.3	39.9	15.9	0.0	142.2	1
1G	111	5505	-12	-157	0	92	22	102.3	40.5	13.3	0.0	142.8	1
1H	111	5505	32	-157	0	92	-16	102.3	35.6	13.3	0.0	137.9	1
1I	111	-5200	-23	83	0	72	-14	96.7	29.1	7.0	0.0	125.8	1
1J	111	-5200	43	83	0	72	21	96.7	34.1	7.0	0.0	130.7	1
1K	111	-5200	-23	-53	0	-88	-14	96.7	33.4	4.5	0.0	130.1	1
1L	111	-5200	43	-53	0	-88	21	96.7	38.3	4.5	0.0	135.0	1
1M	111	3817	-23	83	0	72	-14	71.0	29.1	7.0	0.0	100.1	1
1N	111	3817	43	83	0	72	21	71.0	34.1	7.0	0.0	105.0	1
1O	111	3817	-23	-53	0	-88	-14	71.0	33.4	4.5	0.0	104.3	1
1P	111	3817	43	-53	0	-88	21	71.0	38.3	4.5	0.0	109.3	1
2	111	-4425	68	-17	0	-11	21	82.2	18.5	2.6	0.0	100.8	1
7	111	-3803	58	-2	0	-12	18	70.7	16.3	2.2	0.0	87.0	1
8	111	-3757	56	-23	0	-7	18	69.8	15.4	2.1	0.0	85.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6935	50	26	23	23	14	1.03	1.00	164.8	
1B	-6935	50	32	23	23	14	1.03	1.00	169.6	
1C	-6935	43	26	23	23	14	1.03	1.00	163.1	
1D	-6935	43	32	23	23	14	1.03	1.00	167.9	
1E	5505	50	26	23	23	14	1.00	1.00	134.3	
1F	5505	50	32	23	23	14	1.00	1.00	139.0	
1G	5505	43	26	23	23	14	1.00	1.00	132.6	
1H	5505	43	32	23	23	14	1.00	1.00	137.3	
1I	-5247	82	8	23	23	14	1.03	1.00	127.9	
1J	-5247	82	14	23	23	14	1.03	1.00	132.4	
1K	-5247	82	8	23	23	14	1.03	1.00	127.8	
1L	-5247	82	14	23	23	14	1.03	1.00	132.3	
1M	3817	82	8	23	23	14	1.00	1.00	98.3	
1N	3817	82	14	23	23	14	1.00	1.00	102.8	
1O	3817	82	8	23	23	14	1.00	1.00	98.2	
1P	3817	82	14	23	23	14	1.00	1.00	102.7	
2	-4486	64	24	23	23	14	1.03	1.00	120.6	
7	-3864	54	21	23	23	14	1.03	1.00	103.3	
8	-3818	54	19	23	23	14	1.03	1.00	101.3	

ASTA NUM. 507 NI 19 NF 18 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6942	-23	89	0	72	27	129.0	38.4	7.5	0.0	167.5	1	
1B	0	-6942	6	89	0	72	-17	129.0	31.5	7.5	0.0	160.6	1	
1C	0	-6942	-23	-125	0	-92	27	129.0	43.7	10.6	0.0	172.7	1	
1D	0	-6942	6	-125	0	-92	-17	129.0	36.8	10.6	0.0	165.8	1	
1E	0	5592	-23	89	0	72	27	103.9	38.4	7.5	0.0	142.4	1	
1F	0	5592	6	89	0	72	-17	103.9	31.5	7.5	0.0	135.5	1	
1G	0	5592	-23	-125	0	-92	27	103.9	43.7	10.6	0.0	147.6	1	
1H	0	5592	6	-125	0	-92	-17	103.9	36.8	10.6	0.0	140.7	1	
1I	0	-5145	-43	57	0	79	28	95.6	41.0	4.8	0.0	136.7	1	
1J	0	-5145	27	57	0	79	-19	95.6	34.2	4.8	0.0	129.8	1	
1K	0	-5145	-43	-93	0	-99	28	95.6	46.3	7.9	0.0	141.9	1	
1L	0	-5145	27	-93	0	-99	-19	95.6	39.4	7.9	0.0	135.0	1	
1M	0	3795	-43	57	0	79	28	70.5	41.0	4.8	0.0	111.6	1	
1N	0	3795	27	57	0	79	-19	70.5	34.2	4.8	0.0	104.7	1	
1O	0	3795	-43	-93	0	-99	28	70.5	46.3	7.9	0.0	116.8	1	
1P	0	3795	27	-93	0	-99	-19	70.5	39.4	7.9	0.0	109.9	1	
2	0	-4095	-42	-208	0	-90	28	76.1	44.0	17.6	0.0	120.2	1	
7	0	-3527	-36	-183	0	-78	24	65.6	38.1	15.5	0.0	103.6	1	
8	0	-3472	-35	-170	0	-75	23	64.5	36.4	14.4	0.0	101.0	1	
1A	55	-6919	-23	89	0	17	22	128.6	20.5	7.5	0.0	149.1	1	
1B	55	-6919	6	89	0	17	-22	128.6	20.5	7.5	0.0	149.1	1	
1C	55	-6919	-23	-125	0	-17	22	128.6	20.6	10.6	0.0	149.2	1	
1D	55	-6919	6	-125	0	-17	-22	128.6	20.6	10.6	0.0	149.2	1	
1E	55	5615	-23	89	0	17	22	104.4	20.5	7.5	0.0	124.9	1	
1F	55	5615	6	89	0	17	-22	104.4	20.5	7.5	0.0	124.9	1	
1G	55	5615	-23	-125	0	-17	22	104.4	20.6	10.6	0.0	124.9	1	
1H	55	5615	6	-125	0	-17	-22	104.4	20.6	10.6	0.0	125.0	1	
1I	55	-5122	-43	57	0	60	-0	95.2	15.7	4.8	0.0	110.9	1	
1J	55	-5122	27	57	0	60	0	95.2	15.6	4.8	0.0	110.8	1	
1K	55	-5122	-43	-93	0	-60	-0	95.2	15.7	7.9	0.0	110.9	1	
1L	55	-5122	27	-93	0	-60	0	95.2	15.7	7.9	0.0	110.9	1	
1M	55	3818	-43	57	0	60	-0	71.0	15.7	4.8	0.0	86.6	1	
1N	55	3818	27	57	0	60	0	71.0	15.6	4.8	0.0	86.6	1	
1O	55	3818	-43	-93	0	-60	-0	71.0	15.7	7.9	0.0	86.7	1	
1P	55	3818	27	-93	0	-60	0	71.0	15.7	7.9	0.0	86.7	1	
2	55	-4065	-42	-144	0	7	4	75.6	5.1	12.2	0.0	80.7	1	
7	55	-3497	-36	-122	0	7	4	65.0	4.8	10.4	0.0	69.8	1	
8	55	-3442	-35	-123	0	6	3	64.0	3.9	10.4	0.0	67.9	1	

1A	111	-6895	-23	89	0	-38	16	128.2	22.1	7.5	0.0	150.3	1
1B	111	-6895	6	89	0	-38	-26	128.2	29.1	7.5	0.0	157.3	1
1C	111	-6895	-23	-125	0	58	16	128.2	27.2	10.6	0.0	155.4	1
1D	111	-6895	6	-125	0	58	-26	128.2	34.2	10.6	0.0	162.4	1
1E	111	5638	-23	89	0	-38	16	104.8	22.1	7.5	0.0	126.9	1
1F	111	5638	6	89	0	-38	-26	104.8	29.1	7.5	0.0	133.9	1
1G	111	5638	-23	-125	0	58	16	104.8	27.2	10.6	0.0	132.0	1
1H	111	5638	6	-125	0	58	-26	104.8	34.2	10.6	0.0	139.0	1
1I	111	-5098	-43	57	0	41	-28	94.8	31.8	4.8	0.0	126.6	1
1J	111	-5098	27	57	0	41	19	94.8	24.8	4.8	0.0	119.6	1
1K	111	-5098	-43	-93	0	-21	-28	94.8	26.7	7.9	0.0	121.5	1
1L	111	-5098	27	-93	0	-21	19	94.8	19.8	7.9	0.0	114.5	1
1M	111	3841	-43	57	0	41	-28	71.4	31.8	4.8	0.0	103.2	1
1N	111	3841	27	57	0	41	19	71.4	24.8	4.8	0.0	96.2	1
1O	111	3841	-43	-93	0	-21	-28	71.4	26.7	7.9	0.0	98.1	1
1P	111	3841	27	-93	0	-21	19	71.4	19.8	7.9	0.0	91.2	1
2	111	-4035	-42	-81	0	70	-19	75.0	32.2	6.9	0.0	107.2	1
7	111	-3467	-36	-62	0	58	-16	64.4	27.0	5.3	0.0	91.4	1
8	111	-3411	-35	-76	0	61	-16	63.4	27.9	6.4	0.0	91.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6942	29	23	23	23	14	1.03	1.00	157.3	
1B	-6942	29	22	23	23	14	1.03	1.00	157.2	
1C	-6942	37	23	23	23	14	1.03	1.00	159.4	
1D	-6942	37	22	23	23	14	1.03	1.00	159.3	
1E	5638	29	23	23	23	14	1.00	1.00	129.1	
1F	5638	29	22	23	23	14	1.00	1.00	129.0	
1G	5638	37	23	23	23	14	1.00	1.00	131.2	
1H	5638	37	22	23	23	14	1.00	1.00	131.1	
1I	-5145	64	11	23	23	14	1.03	1.00	123.4	
1J	-5145	64	8	23	23	14	1.03	1.00	120.6	
1K	-5145	68	11	23	23	14	1.03	1.00	124.5	
1L	-5145	68	8	23	23	14	1.03	1.00	121.7	
1M	3841	64	11	23	23	14	1.00	1.00	96.3	
1N	3841	64	8	23	23	14	1.00	1.00	93.5	
1O	3841	68	11	23	23	14	1.00	1.00	97.4	
1P	3841	68	8	23	23	14	1.00	1.00	94.6	
2	-4095	36	11	23	23	14	1.03	1.00	96.0	
7	-3527	31	10	23	23	14	1.03	1.00	82.8	
8	-3472	30	9	23	23	14	1.03	1.00	81.1	

ASTA NUM. 508 NI 18 NF 17 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4078	-5	128	0	88	16	75.8	34.4	10.8	0.0	110.2	1	
1B	0	-4078	13	128	0	88	-22	75.8	39.1	10.8	0.0	114.9	1	
1C	0	-4078	-5	-111	0	-71	16	75.8	30.0	9.4	0.0	105.8	1	
1D	0	-4078	13	-111	0	-71	-22	75.8	34.7	9.4	0.0	110.5	1	
1E	0	3332	-5	128	0	88	16	61.9	34.4	10.8	0.0	96.3	1	
1F	0	3332	13	128	0	88	-22	61.9	39.1	10.8	0.0	101.0	1	
1G	0	3332	-5	-111	0	-71	16	61.9	30.0	9.4	0.0	91.9	1	
1H	0	3332	13	-111	0	-71	-22	61.9	34.7	9.4	0.0	96.6	1	
1I	0	-2689	-13	62	0	61	14	50.0	26.0	5.2	0.0	75.9	1	
1J	0	-2689	22	62	0	61	-20	50.0	30.7	5.2	0.0	80.6	1	
1K	0	-2689	-13	-45	0	-44	14	50.0	21.6	3.8	0.0	71.5	1	
1L	0	-2689	22	-45	0	-44	-20	50.0	26.3	3.8	0.0	76.2	1	
1M	0	1943	-13	62	0	61	14	36.1	26.0	5.2	0.0	62.1	1	
1N	0	1943	22	62	0	61	-20	36.1	30.7	5.2	0.0	66.8	1	
1O	0	1943	-13	-45	0	-44	14	36.1	21.6	3.8	0.0	57.7	1	
1P	0	1943	22	-45	0	-44	-20	36.1	26.3	3.8	0.0	62.4	1	
2	0	221	9	-128	0	13	-12	4.1	12.5	10.9	0.0	19.4	4	
7	0	118	7	-113	0	11	-10	2.2	10.1	9.6	0.0	16.7	4	
8	0	134	9	-102	0	11	-11	2.5	11.4	8.7	0.0	15.3	4	
1A	55	-4055	-5	128	0	13	15	75.4	14.5	10.8	0.0	89.9	1	
1B	55	-4055	13	128	0	13	-17	75.4	15.8	10.8	0.0	91.2	1	
1C	55	-4055	-5	-111	0	-5	15	75.4	12.5	9.4	0.0	87.9	1	
1D	55	-4055	13	-111	0	-5	-17	75.4	13.8	9.4	0.0	89.2	1	
1E	55	3356	-5	128	0	13	15	62.4	14.5	10.8	0.0	76.9	1	
1F	55	3356	13	128	0	13	-17	62.4	15.8	10.8	0.0	78.2	1	
1G	55	3356	-5	-111	0	-5	15	62.4	12.5	9.4	0.0	74.9	1	
1H	55	3356	13	-111	0	-5	-17	62.4	13.8	9.4	0.0	76.2	1	
1I	55	-2666	-13	62	0	12	3	49.6	5.3	5.2	0.0	54.8	1	
1J	55	-2666	22	62	0	12	-5	49.6	6.6	5.2	0.0	56.2	1	
1K	55	-2666	-13	-45	0	-4	3	49.6	3.3	3.8	0.0	52.9	1	
1L	55	-2666	22	-45	0	-4	-5	49.6	4.6	3.8	0.0	54.2	1	
1M	55	1967	-13	62	0	12	3	36.6	5.3	5.2	0.0	41.8	1	
1N	55	1967	22	62	0	12	-5	36.6	6.6	5.2	0.0	43.2	1	
1O	55	1967	-13	-45	0	-4	3	36.6	3.3	3.8	0.0	39.9	1	
1P	55	1967	22	-45	0	-4	-5	36.6	4.6	3.8	0.0	41.2	1	
2	55	251	9	-65	0	66	-7	4.7	22.6	5.5	0.0	27.2	1	
7	55	149	7	-52	0	57	-6	2.8	18.9	4.4	0.0	21.7	1	
8	55	164	9	-55	0	55	-6	3.1	18.9	4.7	0.0	22.0	1	

1A	111	-4032	-5	128	0	-62	14	74.9	26.8	10.8	0.0	101.7	1
1B	111	-4032	13	128	0	-62	-12	74.9	24.7	10.8	0.0	99.6	1
1C	111	-4032	-5	-111	0	61	14	74.9	26.3	9.4	0.0	101.2	1
1D	111	-4032	13	-111	0	61	-12	74.9	24.2	9.4	0.0	99.1	1
1E	111	3379	-5	128	0	-62	14	62.8	26.8	10.8	0.0	89.6	1
1F	111	3379	13	128	0	-62	-12	62.8	24.7	10.8	0.0	87.5	1
1G	111	3379	-5	-111	0	61	14	62.8	26.3	9.4	0.0	89.1	1
1H	111	3379	13	-111	0	61	-12	62.8	24.2	9.4	0.0	87.0	1
1I	111	-2643	-13	62	0	-37	-8	49.1	15.4	5.2	0.0	64.5	1
1J	111	-2643	22	62	0	-37	11	49.1	17.5	5.2	0.0	66.6	1
1K	111	-2643	-13	-45	0	35	-8	49.1	14.9	3.8	0.0	64.0	1
1L	111	-2643	22	-45	0	35	11	49.1	17.0	3.8	0.0	66.1	1
1M	111	1990	-13	62	0	-37	-8	37.0	15.4	5.2	0.0	52.4	1
1N	111	1990	22	62	0	-37	11	37.0	17.5	5.2	0.0	54.5	1
1O	111	1990	-13	-45	0	35	-8	37.0	14.9	3.8	0.0	51.9	1
1P	111	1990	22	-45	0	35	11	37.0	17.0	3.8	0.0	54.0	1
2	111	282	9	-2	0	85	-2	5.2	23.6	0.3	0.0	28.8	1
7	111	179	7	8	0	69	-2	3.3	19.2	0.7	0.0	22.5	1
8	111	195	9	-8	0	73	-1	3.6	19.8	0.7	0.0	23.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4078	35	15	23	23	14	1.03	1.00	98.5	
1B	-4078	35	18	23	23	14	1.03	1.00	100.5	
1C	-4078	28	15	23	23	14	1.03	1.00	96.7	
1D	-4078	28	18	23	23	14	1.03	1.00	98.7	
1E	3379	35	15	23	23	14	1.00	1.00	83.2	
1F	3379	35	18	23	23	14	1.00	1.00	85.2	
1G	3379	28	15	23	23	14	1.00	1.00	81.4	
1H	3379	28	18	23	23	14	1.00	1.00	83.4	
1I	-2689	25	5	23	23	14	1.03	1.00	61.9	
1J	-2689	25	8	23	23	14	1.03	1.00	63.8	
1K	-2689	18	5	23	23	14	1.03	1.00	60.1	
1L	-2689	18	8	23	23	14	1.03	1.00	62.0	
1M	1990	25	5	23	23	14	1.00	1.00	47.4	
1N	1990	25	8	23	23	14	1.00	1.00	49.3	
1O	1990	18	5	23	23	14	1.00	1.00	45.6	
1P	1990	18	8	23	23	14	1.00	1.00	47.5	
2	282	56	8	23	23	14	1.00	1.00	25.9	
7	179	46	7	23	23	14	1.00	1.00	20.0	
8	195	48	7	23	23	14	1.00	1.00	21.5	

ASTA NUM. 509 NI 17 NF 16 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4095	-14	49	0	38	8	76.1	15.6	4.1	0.0	91.7	1	
1B	0	-4095	18	49	0	38	-7	76.1	14.8	4.1	0.0	90.9	1	
1C	0	-4095	-14	-77	0	-43	8	76.1	16.9	6.5	0.0	93.1	1	
1D	0	-4095	18	-77	0	-43	-7	76.1	16.1	6.5	0.0	92.2	1	
1E	0	3473	-14	49	0	38	8	64.6	15.6	4.1	0.0	80.2	1	
1F	0	3473	18	49	0	38	-7	64.6	14.8	4.1	0.0	79.3	1	
1G	0	3473	-14	-77	0	-43	8	64.6	16.9	6.5	0.0	81.5	1	
1H	0	3473	18	-77	0	-43	-7	64.6	16.1	6.5	0.0	80.7	1	
1I	0	-2599	-16	42	0	39	10	48.3	17.8	3.5	0.0	66.1	1	
1J	0	-2599	20	42	0	39	-9	48.3	16.9	3.5	0.0	65.2	1	
1K	0	-2599	-16	-70	0	-44	10	48.3	19.1	5.9	0.0	67.4	1	
1L	0	-2599	20	-70	0	-44	-9	48.3	18.3	5.9	0.0	66.6	1	
1M	0	1977	-16	42	0	39	10	36.8	17.8	3.5	0.0	54.5	1	
1N	0	1977	20	42	0	39	-9	36.8	16.9	3.5	0.0	53.7	1	
1O	0	1977	-16	-70	0	-44	10	36.8	19.1	5.9	0.0	55.9	1	
1P	0	1977	20	-70	0	-44	-9	36.8	18.3	5.9	0.0	55.0	1	
2	0	467	30	-144	0	42	-7	8.7	15.8	12.2	0.0	26.4	3	
7	0	335	25	-130	0	33	-6	6.2	12.7	11.0	0.0	22.0	3	
8	0	355	21	-116	0	36	-5	6.6	12.7	9.8	0.0	21.3	3	
1A	55	-4072	-14	49	0	10	15	75.7	13.6	4.1	0.0	89.3	1	
1B	55	-4072	18	49	0	10	-12	75.7	11.3	4.1	0.0	87.0	1	
1C	55	-4072	-14	-77	0	0	15	75.7	11.0	6.5	0.0	86.7	1	
1D	55	-4072	18	-77	0	0	-12	75.7	8.7	6.5	0.0	84.4	1	
1E	55	3497	-14	49	0	10	15	65.0	13.6	4.1	0.0	78.6	1	
1F	55	3497	18	49	0	10	-12	65.0	11.3	4.1	0.0	76.3	1	
1G	55	3497	-14	-77	0	0	15	65.0	11.0	6.5	0.0	76.0	1	
1H	55	3497	18	-77	0	0	-12	65.0	8.7	6.5	0.0	73.7	1	
1I	55	-2576	-16	42	0	15	0	47.9	3.9	3.5	0.0	51.7	1	
1J	55	-2576	20	42	0	15	3	47.9	6.0	3.5	0.0	53.8	1	
1K	55	-2576	-16	-70	0	-4	0	47.9	1.2	5.9	0.0	49.7	3	
1L	55	-2576	20	-70	0	-4	3	47.9	3.3	5.9	0.0	51.2	1	
1M	55	2001	-16	42	0	15	0	37.2	3.9	3.5	0.0	41.1	1	
1N	55	2001	20	42	0	15	3	37.2	6.0	3.5	0.0	43.1	1	
1O	55	2001	-16	-70	0	-4	0	37.2	1.2	5.9	0.0	39.3	3	
1P	55	2001	20	-70	0	-4	3	37.2	3.3	5.9	0.0	40.5	1	
2	55	498	30	-81	0	104	10	9.2	34.1	6.9	0.0	43.3	1	
7	55	365	25	-69	0	88	8	6.8	29.0	5.9	0.0	35.8	1	
8	55	385	21	-69	0	87	7	7.2	27.6	5.8	0.0	34.7	1	
1A	111	-4048	-14	49	0	-17	21	75.2	20.5	4.1	0.0	95.7	1	

1B	111	-4048	18	49	0	-17	-16	75.2	16.8	4.1	0.0	92.0	1
1C	111	-4048	-14	-77	0	43	21	75.2	27.1	6.5	0.0	102.4	1
1D	111	-4048	18	-77	0	43	-16	75.2	23.4	6.5	0.0	98.7	1
1E	111	3520	-14	49	0	-17	21	65.4	20.5	4.1	0.0	85.9	1
1F	111	3520	18	49	0	-17	-16	65.4	16.8	4.1	0.0	82.2	1
1G	111	3520	-14	-77	0	43	21	65.4	27.1	6.5	0.0	92.6	1
1H	111	3520	18	-77	0	43	-16	65.4	23.4	6.5	0.0	88.9	1
1I	111	-2552	-16	42	0	-10	-10	47.4	10.0	3.5	0.0	57.5	1
1J	111	-2552	20	42	0	-10	15	47.4	13.7	3.5	0.0	61.2	1
1K	111	-2552	-16	-70	0	36	-10	47.4	16.7	5.9	0.0	64.1	1
1L	111	-2552	20	-70	0	36	15	47.4	20.4	5.9	0.0	67.8	1
1M	111	2024	-16	42	0	-10	-10	37.6	10.0	3.5	0.0	47.6	1
1N	111	2024	20	42	0	-10	15	37.6	13.7	3.5	0.0	51.3	1
1O	111	2024	-16	-70	0	36	-10	37.6	16.7	5.9	0.0	54.3	1
1P	111	2024	20	-70	0	36	15	37.6	20.4	5.9	0.0	58.0	1
2	111	528	30	-18	0	131	26	9.8	53.4	1.5	0.0	63.2	1
7	111	396	25	-8	0	109	22	7.4	45.0	0.9	0.0	52.3	1
8	111	416	21	-22	0	112	19	7.7	42.7	1.8	0.0	50.4	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4095	16	16	23	23	14	1.03	1.00	94.4	
1B	-4095	16	13	23	23	14	1.03	1.00	91.9	
1C	-4095	17	16	23	23	14	1.03	1.00	94.8	
1D	-4095	17	13	23	23	14	1.03	1.00	92.3	
1E	3520	16	16	23	23	14	1.00	1.00	81.4	
1F	3520	16	13	23	23	14	1.00	1.00	78.9	
1G	3520	17	16	23	23	14	1.00	1.00	81.8	
1H	3520	17	13	23	23	14	1.00	1.00	79.3	
1I	-2599	20	4	23	23	14	1.03	1.00	57.9	
1J	-2599	20	6	23	23	14	1.03	1.00	59.3	
1K	-2599	18	4	23	23	14	1.03	1.00	57.4	
1L	-2599	18	6	23	23	14	1.03	1.00	58.8	
1M	2024	20	4	23	23	14	1.00	1.00	45.7	
1N	2024	20	6	23	23	14	1.00	1.00	47.1	
1O	2024	18	4	23	23	14	1.00	1.00	45.3	
1P	2024	18	6	23	23	14	1.00	1.00	46.7	
2	528	96	13	23	23	14	1.00	1.00	44.1	
7	396	79	11	23	23	14	1.00	1.00	36.1	
8	416	81	9	23	23	14	1.00	1.00	35.6	

ASTA NUM. 510 NI 16 NF 15 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1696	-14	88	0	69	7	31.5	23.2	7.4	0.0	54.7	1	
1B	0	-1696	13	88	0	69	-7	31.5	23.1	7.4	0.0	54.6	1	
1C	0	-1696	-14	-78	0	-45	7	31.5	17.1	6.6	0.0	48.6	1	
1D	0	-1696	13	-78	0	-45	-7	31.5	17.0	6.6	0.0	48.5	1	
1E	0	1600	-14	88	0	69	7	29.7	23.2	7.4	0.0	52.9	1	
1F	0	1600	13	88	0	69	-7	29.7	23.1	7.4	0.0	52.8	1	
1G	0	1600	-14	-78	0	-45	7	29.7	17.1	6.6	0.0	46.8	1	
1H	0	1600	13	-78	0	-45	-7	29.7	17.0	6.6	0.0	46.7	1	
1I	0	-899	-13	48	0	33	12	16.7	17.0	4.1	0.0	33.7	1	
1J	0	-899	13	48	0	33	-11	16.7	16.9	4.1	0.0	33.6	1	
1K	0	-899	-13	-38	0	-9	12	16.7	10.9	3.3	0.0	27.6	1	
1L	0	-899	13	-38	0	-9	-11	16.7	10.8	3.3	0.0	27.5	1	
1M	0	804	-13	48	0	33	12	14.9	17.0	4.1	0.0	32.0	1	
1N	0	804	13	48	0	33	-11	14.9	16.9	4.1	0.0	31.8	1	
1O	0	804	-13	-38	0	-9	12	14.9	10.9	3.3	0.0	25.9	1	
1P	0	804	13	-38	0	-9	-11	14.9	10.8	3.3	0.0	25.7	1	
2	0	2695	-22	-81	0	110	11	50.1	36.3	6.9	0.0	86.3	1	
7	0	2241	-18	-75	0	92	9	41.7	30.3	6.4	0.0	71.9	1	
8	0	2168	-17	-61	0	93	8	40.3	29.7	5.2	0.0	70.0	1	
1A	55	-1672	-14	88	0	19	-1	31.1	5.5	7.4	0.0	37.2	3	
1B	55	-1672	13	88	0	19	1	31.1	5.3	7.4	0.0	37.2	3	
1C	55	-1672	-14	-78	0	-0	-1	31.1	0.9	6.6	0.0	33.1	4	
1D	55	-1672	13	-78	0	-0	1	31.1	0.7	6.6	0.0	33.1	4	
1E	55	1623	-14	88	0	19	-1	30.2	5.5	7.4	0.0	36.3	3	
1F	55	1623	13	88	0	19	1	30.2	5.3	7.4	0.0	36.3	3	
1G	55	1623	-14	-78	0	-0	-1	30.2	0.9	6.6	0.0	32.3	4	
1H	55	1623	13	-78	0	-0	1	30.2	0.7	6.6	0.0	32.3	4	
1I	55	-876	-13	48	0	2	3	16.3	3.0	4.1	0.0	19.3	1	
1J	55	-876	13	48	0	2	-4	16.3	3.3	4.1	0.0	19.5	1	
1K	55	-876	-13	-38	0	16	3	16.3	6.7	3.3	0.0	23.0	1	
1L	55	-876	13	-38	0	16	-4	16.3	6.9	3.3	0.0	23.2	1	
1M	55	827	-13	48	0	2	3	15.4	3.0	4.1	0.0	18.4	1	
1N	55	827	13	48	0	2	-4	15.4	3.3	4.1	0.0	18.6	1	
1O	55	827	-13	-38	0	16	3	15.4	6.7	3.3	0.0	22.1	1	
1P	55	827	13	-38	0	16	-4	15.4	6.9	3.3	0.0	22.3	1	
2	55	2725	-22	-18	0	138	-2	50.7	36.8	1.5	0.0	87.4	1	
7	55	2272	-18	-14	0	117	-1	42.2	31.1	1.2	0.0	73.3	1	
8	55	2198	-17	-14	0	114	-2	40.9	30.8	1.2	0.0	71.6	1	
1A	111	-1649	-14	88	0	-31	-9	30.6	15.1	7.4	0.0	45.8	1	
1B	111	-1649	13	88	0	-31	9	30.6	14.6	7.4	0.0	45.2	1	

1C	111	-1649	-14	-78	0	44	-9	30.6	18.4	6.6	0.0	49.0	1
1D	111	-1649	13	-78	0	44	9	30.6	17.8	6.6	0.0	48.5	1
1E	111	1647	-14	88	0	-31	-9	30.6	15.1	7.4	0.0	45.7	1
1F	111	1647	13	88	0	-31	9	30.6	14.6	7.4	0.0	45.2	1
1G	111	1647	-14	-78	0	44	-9	30.6	18.4	6.6	0.0	49.0	1
1H	111	1647	13	-78	0	44	9	30.6	17.8	6.6	0.0	48.4	1
1I	111	-852	-13	48	0	-29	-5	15.8	10.9	4.1	0.0	26.8	1
1J	111	-852	13	48	0	-29	4	15.8	10.4	4.1	0.0	26.2	1
1K	111	-852	-13	-38	0	41	-5	15.8	14.2	3.3	0.0	30.0	1
1L	111	-852	13	-38	0	41	4	15.8	13.6	3.3	0.0	29.5	1
1M	111	850	-13	48	0	-29	-5	15.8	10.9	4.1	0.0	26.7	1
1N	111	850	13	48	0	-29	4	15.8	10.4	4.1	0.0	26.2	1
1O	111	850	-13	-38	0	41	-5	15.8	14.2	3.3	0.0	30.0	1
1P	111	850	13	-38	0	41	4	15.8	13.6	3.3	0.0	29.4	1
2	111	2755	-22	45	0	130	-14	51.2	44.1	3.8	0.0	95.3	1
7	111	2302	-18	46	0	108	-12	42.8	36.5	3.9	0.0	79.3	1
8	111	2228	-17	33	0	109	-12	41.4	36.6	2.8	0.0	78.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1696	29	4	23	23	14	1.03	1.00	42.7	
1B	-1696	29	3	23	23	14	1.03	1.00	42.4	
1C	-1696	18	4	23	23	14	1.03	1.00	39.9	
1D	-1696	18	3	23	23	14	1.03	1.00	39.7	
1E	1647	29	4	23	23	14	1.00	1.00	40.8	
1F	1647	29	3	23	23	14	1.00	1.00	40.6	
1G	1647	18	4	23	23	14	1.00	1.00	38.1	
1H	1647	18	3	23	23	14	1.00	1.00	37.8	
1I	-899	13	5	23	23	14	1.03	1.00	24.3	
1J	-899	13	5	23	23	14	1.03	1.00	24.5	
1K	-899	21	5	23	23	14	1.03	1.00	26.4	
1L	-899	21	5	23	23	14	1.03	1.00	26.6	
1M	850	13	5	23	23	14	1.00	1.00	22.9	
1N	850	13	5	23	23	14	1.00	1.00	23.1	
1O	850	21	5	23	23	14	1.00	1.00	25.0	
1P	850	21	5	23	23	14	1.00	1.00	25.2	
2	2755	122	6	23	23	14	1.00	1.00	86.9	
7	2302	102	5	23	23	14	1.00	1.00	72.4	
8	2228	103	5	23	23	14	1.00	1.00	71.3	

ASTA NUM. 511 NI 15 NF 14 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1757	-38	3	0	15	17	32.7	16.8	1.4	0.0	49.4	1	
1B	0	-1757	60	3	0	15	-25	32.7	22.7	2.3	0.0	55.4	1	
1C	0	-1757	-38	-28	0	-5	17	32.7	14.0	2.4	0.0	46.6	1	
1D	0	-1757	60	-28	0	-5	-25	32.7	20.0	2.4	0.0	52.6	1	
1E	0	1779	-38	3	0	15	17	33.1	16.8	1.4	0.0	49.8	1	
1F	0	1779	60	3	0	15	-25	33.1	22.7	2.3	0.0	55.8	1	
1G	0	1779	-38	-28	0	-5	17	33.1	14.0	2.4	0.0	47.0	1	
1H	0	1779	60	-28	0	-5	-25	33.1	20.0	2.4	0.0	53.0	1	
1I	0	-910	-22	20	0	22	11	16.9	13.9	1.7	0.0	30.8	1	
1J	0	-910	44	20	0	22	-19	16.9	19.9	1.7	0.0	36.8	1	
1K	0	-910	-22	-46	0	-11	11	16.9	11.1	3.9	0.0	28.1	1	
1L	0	-910	44	-46	0	-11	-19	16.9	17.1	3.9	0.0	34.0	1	
1M	0	932	-22	20	0	22	11	17.3	13.9	1.7	0.0	31.3	1	
1N	0	932	44	20	0	22	-19	17.3	19.9	1.7	0.0	37.2	1	
1O	0	932	-22	-46	0	-11	11	17.3	11.1	3.9	0.0	28.5	1	
1P	0	932	44	-46	0	-11	-19	17.3	17.1	3.9	0.0	34.5	1	
2	0	2787	81	-88	0	125	-35	51.8	58.8	7.5	0.0	110.6	1	
7	0	2329	69	-82	0	104	-31	43.3	49.7	6.9	0.0	93.0	1	
8	0	2257	61	-67	0	105	-27	42.0	46.9	5.6	0.0	88.9	1	
1A	55	-1734	-38	3	0	29	-4	32.2	10.7	1.4	0.0	42.9	1	
1B	55	-1734	60	3	0	29	8	32.2	13.6	2.3	0.0	45.8	1	
1C	55	-1734	-38	-28	0	-4	-4	32.2	4.3	2.4	0.0	36.5	1	
1D	55	-1734	60	-28	0	-4	8	32.2	7.2	2.4	0.0	39.4	1	
1E	55	1802	-38	3	0	29	-4	33.5	10.7	1.4	0.0	44.2	1	
1F	55	1802	60	3	0	29	8	33.5	13.6	2.3	0.0	47.1	1	
1G	55	1802	-38	-28	0	-4	-4	33.5	4.3	2.4	0.0	37.7	1	
1H	55	1802	60	-28	0	-4	8	33.5	7.2	2.4	0.0	40.7	1	
1I	55	-887	-22	20	0	46	-2	16.5	12.9	1.7	0.0	29.4	1	
1J	55	-887	44	20	0	46	5	16.5	15.9	1.7	0.0	32.4	1	
1K	55	-887	-22	-46	0	-21	-2	16.5	6.5	3.9	0.0	23.0	1	
1L	55	-887	44	-46	0	-21	5	16.5	9.5	3.9	0.0	26.0	1	
1M	55	955	-22	20	0	46	-2	17.8	12.9	1.7	0.0	30.7	1	
1N	55	955	44	20	0	46	5	17.8	15.9	1.7	0.0	33.6	1	
1O	55	955	-22	-46	0	-21	-2	17.8	6.5	3.9	0.0	24.3	1	
1P	55	955	44	-46	0	-21	5	17.8	9.5	3.9	0.0	27.2	1	
2	55	2818	81	-25	0	157	9	52.4	47.2	3.0	0.0	99.6	1	
7	55	2360	69	-21	0	133	7	43.9	39.6	2.6	0.0	83.5	1	
8	55	2288	61	-20	0	129	7	42.5	38.2	2.3	0.0	80.7	1	
1A	111	-1710	-38	3	0	42	-26	31.8	30.2	1.4	0.0	61.9	1	
1B	111	-1710	60	3	0	42	42	31.8	42.0	2.3	0.0	73.8	1	
1C	111	-1710	-38	-28	0	-4	-26	31.8	20.1	2.4	0.0	51.9	1	

1D	111	-1710	60	-28	0	-4	42	31.8	32.0	2.4	0.0	63.8	1
1E	111	1825	-38	3	0	42	-26	33.9	30.2	1.4	0.0	64.1	1
1F	111	1825	60	3	0	42	42	33.9	42.0	2.3	0.0	76.0	1
1G	111	1825	-38	-28	0	-4	-26	33.9	20.1	2.4	0.0	54.1	1
1H	111	1825	60	-28	0	-4	42	33.9	32.0	2.4	0.0	65.9	1
1I	111	-864	-22	20	0	70	-14	16.1	28.4	1.7	0.0	44.5	1
1J	111	-864	44	20	0	70	30	16.1	40.3	1.7	0.0	56.4	1
1K	111	-864	-22	-46	0	-31	-14	16.1	18.4	3.9	0.0	34.5	1
1L	111	-864	44	-46	0	-31	30	16.1	30.3	3.9	0.0	46.4	1
1M	111	979	-22	20	0	70	-14	18.2	28.4	1.7	0.0	46.6	1
1N	111	979	44	20	0	70	30	18.2	40.3	1.7	0.0	58.5	1
1O	111	979	-22	-46	0	-31	-14	18.2	18.4	3.9	0.0	36.6	1
1P	111	979	44	-46	0	-31	30	18.2	30.3	3.9	0.0	48.5	1
2	111	2848	81	39	0	153	54	52.9	79.7	3.3	0.0	132.7	1
7	111	2390	69	39	0	128	45	44.4	66.8	3.3	0.0	111.2	1
8	111	2318	61	27	0	126	40	43.1	62.8	2.3	0.0	105.9	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1757	32	10	23	23	14	1.03	1.00	49.5	
1B	-1757	32	17	23	23	14	1.03	1.00	54.2	
1C	-1757	4	10	23	23	14	1.03	1.00	42.4	
1D	-1757	4	17	23	23	14	1.03	1.00	47.1	
1E	1825	32	10	23	23	14	1.00	1.00	49.8	
1F	1825	32	17	23	23	14	1.00	1.00	54.5	
1G	1825	4	10	23	23	14	1.00	1.00	42.7	
1H	1825	4	17	23	23	14	1.00	1.00	47.4	
1I	-910	51	6	23	23	14	1.03	1.00	34.7	
1J	-910	51	12	23	23	14	1.03	1.00	39.4	
1K	-910	23	6	23	23	14	1.03	1.00	27.5	
1L	-910	23	12	23	23	14	1.03	1.00	32.3	
1M	979	51	6	23	23	14	1.00	1.00	35.4	
1N	979	51	12	23	23	14	1.00	1.00	40.2	
1O	979	23	6	23	23	14	1.00	1.00	28.3	
1P	979	23	12	23	23	14	1.00	1.00	33.0	
2	2848	142	22	23	23	14	1.00	1.00	105.6	
7	2390	118	18	23	23	14	1.00	1.00	88.4	
8	2318	118	16	23	23	14	1.00	1.00	85.5	

ASTA NUM. 512 NI 14 NF 13 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-661	-21	107	0	65	25	12.3	35.6	9.1	0.0	47.9	1	
1B	0	-661	-0	107	0	65	-14	12.3	27.1	9.1	0.0	39.4	1	
1C	0	-661	-21	-86	0	-26	25	12.3	25.5	7.3	0.0	37.8	1	
1D	0	-661	-0	-86	0	-26	-14	12.3	17.0	7.3	0.0	29.3	1	
1E	0	781	-21	107	0	65	25	14.5	35.6	9.1	0.0	50.1	1	
1F	0	781	-0	107	0	65	-14	14.5	27.1	9.1	0.0	41.6	1	
1G	0	781	-21	-86	0	-26	25	14.5	25.5	7.3	0.0	40.0	1	
1H	0	781	-0	-86	0	-26	-14	14.5	17.0	7.3	0.0	31.5	1	
1I	0	-1185	-23	84	0	75	22	22.0	35.7	7.1	0.0	57.7	1	
1J	0	-1185	1	84	0	75	-11	22.0	27.2	7.1	0.0	49.2	1	
1K	0	-1185	-23	-63	0	-36	22	22.0	25.6	5.4	0.0	47.6	1	
1L	0	-1185	1	-63	0	-36	-11	22.0	17.1	5.4	0.0	39.1	1	
1M	0	1304	-23	84	0	75	22	24.2	35.7	7.1	0.0	59.9	1	
1N	0	1304	1	84	0	75	-11	24.2	27.2	7.1	0.0	51.4	1	
1O	0	1304	-23	-63	0	-36	22	24.2	25.6	5.4	0.0	49.8	1	
1P	0	1304	1	-63	0	-36	-11	24.2	17.1	5.4	0.0	41.3	1	
2	0	2050	-66	22	0	172	33	38.1	69.0	2.5	0.0	107.1	1	
7	0	1725	-55	12	0	145	26	32.1	56.4	2.1	0.0	88.5	1	
8	0	1632	-51	25	0	143	26	30.3	56.3	2.1	0.0	86.7	1	
1A	55	-638	-21	107	0	-9	23	11.9	19.4	9.1	0.0	31.2	1	
1B	55	-638	-0	107	0	-9	-23	11.9	19.8	9.1	0.0	31.7	1	
1C	55	-638	-21	-86	0	37	23	11.9	26.5	7.3	0.0	38.3	1	
1D	55	-638	-0	-86	0	37	-23	11.9	26.9	7.3	0.0	38.8	1	
1E	55	804	-21	107	0	-9	23	14.9	19.4	9.1	0.0	34.3	1	
1F	55	804	-0	107	0	-9	-23	14.9	19.8	9.1	0.0	34.8	1	
1G	55	804	-21	-86	0	37	23	14.9	26.5	7.3	0.0	41.4	1	
1H	55	804	-0	-86	0	37	-23	14.9	26.9	7.3	0.0	41.9	1	
1I	55	-1161	-23	84	0	101	20	21.6	41.0	7.1	0.0	62.6	1	
1J	55	-1161	1	84	0	101	-21	21.6	41.4	7.1	0.0	63.0	1	
1K	55	-1161	-23	-63	0	-73	20	21.6	33.9	5.4	0.0	55.5	1	
1L	55	-1161	1	-63	0	-73	-21	21.6	34.3	5.4	0.0	55.9	1	
1M	55	1328	-23	84	0	101	20	24.7	41.0	7.1	0.0	65.6	1	
1N	55	1328	1	84	0	101	-21	24.7	41.4	7.1	0.0	66.1	1	
1O	55	1328	-23	-63	0	-73	20	24.7	33.9	5.4	0.0	58.5	1	
1P	55	1328	1	-63	0	-73	-21	24.7	34.3	5.4	0.0	59.0	1	
2	55	2080	-66	85	0	143	-4	38.7	39.5	7.2	0.0	78.2	1	
7	55	1756	-55	73	0	121	-5	32.6	34.8	6.2	0.0	67.4	1	
8	55	1662	-51	72	0	116	-2	30.9	31.5	6.1	0.0	62.4	1	
1A	111	-614	-21	107	0	-83	20	11.4	36.6	9.1	0.0	48.0	1	
1B	111	-614	-0	107	0	-83	-33	11.4	46.0	9.1	0.0	57.4	1	
1C	111	-614	-21	-86	0	99	20	11.4	40.7	7.3	0.0	52.1	1	
1D	111	-614	-0	-86	0	99	-33	11.4	50.1	7.3	0.0	61.6	1	

1E	111	827	-21	107	0	-83	20	15.4	36.6	9.1	0.0	52.0	1
1F	111	827	-0	107	0	-83	-33	15.4	46.0	9.1	0.0	61.4	1
1G	111	827	-21	-86	0	99	20	15.4	40.7	7.3	0.0	56.1	1
1H	111	827	-0	-86	0	99	-33	15.4	50.1	7.3	0.0	65.5	1
1I	111	-1138	-23	84	0	127	18	21.2	46.3	7.1	0.0	67.4	1
1J	111	-1138	1	84	0	127	-31	21.2	55.7	7.1	0.0	76.9	1
1K	111	-1138	-23	-63	0	-111	18	21.2	42.1	5.4	0.0	63.3	1
1L	111	-1138	1	-63	0	-111	-31	21.2	51.6	5.4	0.0	72.7	1
1M	111	1351	-23	84	0	127	18	25.1	46.3	7.1	0.0	71.4	1
1N	111	1351	1	84	0	127	-31	25.1	55.7	7.1	0.0	80.8	1
1O	111	1351	-23	-63	0	-111	18	25.1	42.1	5.4	0.0	67.3	1
1P	111	1351	1	-63	0	-111	-31	25.1	51.6	5.4	0.0	76.7	1
2	111	2111	-66	149	0	78	-40	39.2	50.4	12.6	0.0	89.6	1
7	111	1786	-55	133	0	64	-35	33.2	42.9	11.3	0.0	76.1	1
8	111	1693	-51	119	0	63	-31	31.5	39.2	10.1	0.0	70.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-661	33	23	23	23	14	1.03	1.00	38.6	
1B	-661	33	25	23	23	14	1.03	1.00	40.1	
1C	-661	49	23	23	23	14	1.03	1.00	42.7	
1D	-661	49	25	23	23	14	1.03	1.00	44.2	
1E	827	33	23	23	23	14	1.00	1.00	41.3	
1F	827	33	25	23	23	14	1.00	1.00	42.9	
1G	827	49	23	23	23	14	1.00	1.00	45.4	
1H	827	49	25	23	23	14	1.00	1.00	47.0	
1I	-1185	106	20	23	23	14	1.03	1.00	65.3	
1J	-1185	106	23	23	23	14	1.03	1.00	67.0	
1K	-1185	81	20	23	23	14	1.03	1.00	58.8	
1L	-1185	81	23	23	23	14	1.03	1.00	60.5	
1M	1351	106	20	23	23	14	1.00	1.00	67.7	
1N	1351	106	23	23	23	14	1.00	1.00	69.4	
1O	1351	81	20	23	23	14	1.00	1.00	61.2	
1P	1351	81	23	23	23	14	1.00	1.00	62.9	
2	2111	135	16	23	23	14	1.00	1.00	86.0	
7	1786	113	14	23	23	14	1.00	1.00	72.7	
8	1693	111	12	23	23	14	1.00	1.00	69.2	

ASTA NUM. 513 NI 13 NF 3 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-691	-58	104	0	88	62	12.8	69.0	8.8	0.0	81.8	1	
1B	0	-691	59	104	0	88	-65	12.8	71.5	8.8	0.0	84.3	1	
1C	0	-691	-58	-52	0	-62	62	12.8	62.2	4.4	0.0	75.1	1	
1D	0	-691	59	-52	0	-62	-65	12.8	64.7	4.4	0.0	77.6	1	
1E	0	866	-58	104	0	88	62	16.1	69.0	8.8	0.0	85.1	1	
1F	0	866	59	104	0	88	-65	16.1	71.5	8.8	0.0	87.6	1	
1G	0	866	-58	-52	0	-62	62	16.1	62.2	4.4	0.0	78.3	1	
1H	0	866	59	-52	0	-62	-65	16.1	64.7	4.4	0.0	80.8	1	
1I	0	-1139	-52	196	0	137	52	21.2	74.4	16.6	0.0	95.5	1	
1J	0	-1139	52	196	0	137	-55	21.2	76.9	16.6	0.0	98.0	1	
1K	0	-1139	-52	-144	0	-111	52	21.2	67.6	12.2	0.0	88.8	1	
1L	0	-1139	52	-144	0	-111	-55	21.2	70.1	12.2	0.0	91.3	1	
1M	0	1314	-52	196	0	137	52	24.4	74.4	16.6	0.0	98.8	1	
1N	0	1314	52	196	0	137	-55	24.4	76.9	16.6	0.0	101.3	1	
1O	0	1314	-52	-144	0	-111	52	24.4	67.6	12.2	0.0	92.0	1	
1P	0	1314	52	-144	0	-111	-55	24.4	70.1	12.2	0.0	94.5	1	
2	0	1870	18	223	0	133	-24	34.8	52.3	18.9	0.0	87.1	1	
7	0	1582	18	182	0	111	-22	29.4	45.5	15.5	0.0	74.9	1	
8	0	1501	13	184	0	108	-17	27.9	40.8	15.6	0.0	68.7	1	
1A	55	-668	-58	104	0	4	29	12.4	22.7	8.8	0.0	35.1	1	
1B	55	-668	59	104	0	4	-32	12.4	25.1	8.8	0.0	37.5	1	
1C	55	-668	-58	-52	0	-7	29	12.4	23.4	4.4	0.0	35.8	1	
1D	55	-668	59	-52	0	-7	-32	12.4	25.8	4.4	0.0	38.2	1	
1E	55	890	-58	104	0	4	29	16.5	22.7	8.8	0.0	39.3	1	
1F	55	890	59	104	0	4	-32	16.5	25.1	8.8	0.0	41.6	1	
1G	55	890	-58	-52	0	-7	29	16.5	23.4	4.4	0.0	39.9	1	
1H	55	890	59	-52	0	-7	-32	16.5	25.8	4.4	0.0	42.3	1	
1I	55	-1116	-52	196	0	21	23	20.7	22.5	16.6	0.0	43.2	1	
1J	55	-1116	52	196	0	21	-26	20.7	24.9	16.6	0.0	45.6	1	
1K	55	-1116	-52	-144	0	-23	23	20.7	23.1	12.2	0.0	43.9	1	
1L	55	-1116	52	-144	0	-23	-26	20.7	25.5	12.2	0.0	46.2	1	
1M	55	1337	-52	196	0	21	23	24.9	22.5	16.6	0.0	47.3	1	
1N	55	1337	52	196	0	21	-26	24.9	24.9	16.6	0.0	49.7	1	
1O	55	1337	-52	-144	0	-23	23	24.9	23.1	12.2	0.0	48.0	1	
1P	55	1337	52	-144	0	-23	-26	24.9	25.5	12.2	0.0	50.4	1	
2	55	1900	18	286	0	-8	-14	35.3	12.6	24.3	0.0	55.2	4	
7	55	1612	18	243	0	-6	-13	30.0	11.2	20.6	0.0	46.8	4	
8	55	1531	13	231	0	-7	-10	28.5	9.6	19.6	0.0	44.5	4	
1A	111	-644	-58	104	0	-79	-4	12.0	23.5	8.8	0.0	35.5	1	
1B	111	-644	59	104	0	-79	1	12.0	21.2	8.8	0.0	33.3	3	
1C	111	-644	-58	-52	0	48	-4	12.0	15.5	4.4	0.0	27.4	1	
1D	111	-644	59	-52	0	48	1	12.0	13.2	4.4	0.0	25.1	1	
1E	111	913	-58	104	0	-79	-4	17.0	23.5	8.8	0.0	40.5	1	

1F	111	913	59	104	0	-79	1	17.0	21.2	8.8	0.0	38.2	1
1G	111	913	-58	-52	0	48	-4	17.0	15.5	4.4	0.0	32.4	1
1H	111	913	59	-52	0	48	1	17.0	13.2	4.4	0.0	30.1	1
1I	111	-1092	-52	196	0	-96	-6	20.3	29.4	16.6	0.0	49.7	3
1J	111	-1092	52	196	0	-96	3	20.3	27.1	16.6	0.0	49.7	3
1K	111	-1092	-52	-144	0	65	-6	20.3	21.4	12.2	0.0	41.7	1
1L	111	-1092	52	-144	0	65	3	20.3	19.1	12.2	0.0	40.1	3
1M	111	1361	-52	196	0	-96	-6	25.3	29.4	16.6	0.0	54.7	1
1N	111	1361	52	196	0	-96	3	25.3	27.1	16.6	0.0	54.0	3
1O	111	1361	-52	-144	0	65	-6	25.3	21.4	12.2	0.0	46.7	1
1P	111	1361	52	-144	0	65	3	25.3	19.1	12.2	0.0	44.6	3
2	111	1931	18	350	0	-184	-4	35.9	50.3	29.7	0.0	90.6	3
7	111	1643	18	303	0	-157	-3	30.5	42.8	25.7	0.0	77.6	3
8	111	1561	13	278	0	-148	-3	29.0	40.5	23.6	0.0	72.8	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-691	35	35	23	23	14	1.03	1.00	48.8	
1B	-691	35	39	23	23	14	1.03	1.00	51.3	
1C	-691	25	35	23	23	14	1.03	1.00	46.1	
1D	-691	25	39	23	23	14	1.03	1.00	48.6	
1E	913	35	35	23	23	14	1.00	1.00	52.6	
1F	913	35	39	23	23	14	1.00	1.00	55.0	
1G	913	25	35	23	23	14	1.00	1.00	49.9	
1H	913	25	39	23	23	14	1.00	1.00	52.3	
1I	-1139	55	29	23	23	14	1.03	1.00	57.5	
1J	-1139	55	32	23	23	14	1.03	1.00	59.9	
1K	-1139	45	29	23	23	14	1.03	1.00	54.8	
1L	-1139	45	32	23	23	14	1.03	1.00	57.2	
1M	1361	55	29	23	23	14	1.00	1.00	61.0	
1N	1361	55	32	23	23	14	1.00	1.00	63.4	
1O	1361	45	29	23	23	14	1.00	1.00	58.3	
1P	1361	45	32	23	23	14	1.00	1.00	60.7	
2	1931	74	16	23	23	14	1.00	1.00	66.9	
7	1643	63	15	23	23	14	1.00	1.00	57.8	
8	1561	59	12	23	23	14	1.00	1.00	53.1	

ASTA NUM. 514 NI 12 NF 11 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6664	-9	185	0	121	16	123.9	43.1	15.7	0.0	167.0	1	
1B	0	-6664	14	185	0	121	-15	123.9	42.6	15.7	0.0	166.5	1	
1C	0	-6664	-9	-155	0	-105	16	123.9	39.0	13.1	0.0	162.9	1	
1D	0	-6664	14	-155	0	-105	-15	123.9	38.5	13.1	0.0	162.4	1	
1E	0	5462	-9	185	0	121	16	101.5	43.1	15.7	0.0	144.6	1	
1F	0	5462	14	185	0	121	-15	101.5	42.6	15.7	0.0	144.1	1	
1G	0	5462	-9	-155	0	-105	16	101.5	39.0	13.1	0.0	140.5	1	
1H	0	5462	14	-155	0	-105	-15	101.5	38.5	13.1	0.0	140.0	1	
1I	0	-3922	-6	82	0	87	9	72.9	29.2	7.0	0.0	102.1	1	
1J	0	-3922	12	82	0	87	-8	72.9	28.7	7.0	0.0	101.6	1	
1K	0	-3922	-6	-52	0	-71	9	72.9	25.1	4.4	0.0	98.0	1	
1L	0	-3922	12	-52	0	-71	-8	72.9	24.6	4.4	0.0	97.5	1	
1M	0	2720	-6	82	0	87	9	50.6	29.2	7.0	0.0	79.7	1	
1N	0	2720	12	82	0	87	-8	50.6	28.7	7.0	0.0	79.2	1	
1O	0	2720	-6	-52	0	-71	9	50.6	25.1	4.4	0.0	75.6	1	
1P	0	2720	12	-52	0	-71	-8	50.6	24.6	4.4	0.0	75.1	1	
2	0	3213	17	-124	0	-90	0	59.7	23.2	10.5	0.0	82.9	1	
7	0	2511	15	-91	0	-71	0	46.7	18.6	7.8	0.0	65.3	1	
8	0	2809	12	-116	0	-79	-1	52.2	21.0	9.9	0.0	73.2	1	
1A	55	-6641	-9	185	0	5	23	123.4	18.4	15.7	0.0	141.9	1	
1B	55	-6641	14	185	0	5	-19	123.4	15.5	15.7	0.0	139.0	1	
1C	55	-6641	-9	-155	0	-6	23	123.4	18.6	13.1	0.0	142.1	1	
1D	55	-6641	14	-155	0	-6	-19	123.4	15.7	13.1	0.0	139.2	1	
1E	55	5486	-9	185	0	5	23	102.0	18.4	15.7	0.0	120.4	1	
1F	55	5486	14	185	0	5	-19	102.0	15.5	15.7	0.0	117.5	1	
1G	55	5486	-9	-155	0	-6	23	102.0	18.6	13.1	0.0	120.6	1	
1H	55	5486	14	-155	0	-6	-19	102.0	15.7	13.1	0.0	117.7	1	
1I	55	-3899	-6	82	0	80	12	72.5	29.5	7.0	0.0	102.0	1	
1J	55	-3899	12	82	0	80	-8	72.5	26.7	7.0	0.0	99.1	1	
1K	55	-3899	-6	-52	0	-81	12	72.5	29.7	4.4	0.0	102.2	1	
1L	55	-3899	12	-52	0	-81	-8	72.5	26.8	4.4	0.0	99.3	1	
1M	55	2744	-6	82	0	80	12	51.0	29.5	7.0	0.0	80.5	1	
1N	55	2744	12	82	0	80	-8	51.0	26.7	7.0	0.0	77.6	1	
1O	55	2744	-6	-52	0	-81	12	51.0	29.7	4.4	0.0	80.7	1	
1P	55	2744	12	-52	0	-81	-8	51.0	26.8	4.4	0.0	77.8	1	
2	55	3244	17	-60	0	-39	9	60.3	17.0	5.1	0.0	77.3	1	
7	55	2542	15	-47	0	-33	9	47.2	15.1	4.0	0.0	62.4	1	
8	55	2840	12	-53	0	-32	6	52.8	12.5	4.5	0.0	65.3	1	
1A	111	-6618	-9	185	0	-111	30	123.0	50.8	15.7	0.0	173.8	1	
1B	111	-6618	14	185	0	-111	-23	123.0	45.5	15.7	0.0	168.5	1	
1C	111	-6618	-9	-155	0	93	30	123.0	46.3	13.1	0.0	169.3	1	
1D	111	-6618	14	-155	0	93	-23	123.0	41.0	13.1	0.0	164.0	1	
1E	111	5509	-9	185	0	-111	30	102.4	50.8	15.7	0.0	153.2	1	
1F	111	5509	14	185	0	-111	-23	102.4	45.5	15.7	0.0	147.9	1	

1G	111	5509	-9	-155	0	93	30	102.4	46.3	13.1	0.0	148.7	1
1H	111	5509	14	-155	0	93	-23	102.4	41.0	13.1	0.0	143.4	1
1I	111	-3876	-6	82	0	73	15	72.0	29.9	7.0	0.0	102.0	1
1J	111	-3876	12	82	0	73	-8	72.0	24.6	7.0	0.0	96.7	1
1K	111	-3876	-6	-52	0	-90	15	72.0	34.4	4.4	0.0	106.4	1
1L	111	-3876	12	-52	0	-90	-8	72.0	29.1	4.4	0.0	101.1	1
1M	111	2767	-6	82	0	73	15	51.4	29.9	7.0	0.0	81.4	1
1N	111	2767	12	82	0	73	-8	51.4	24.6	7.0	0.0	76.1	1
1O	111	2767	-6	-52	0	-90	15	51.4	34.4	4.4	0.0	85.8	1
1P	111	2767	12	-52	0	-90	-8	51.4	29.1	4.4	0.0	80.5	1
2	111	3274	17	4	0	-23	19	60.9	19.9	0.6	0.0	80.8	1
7	111	2572	15	-2	0	-19	17	47.8	18.0	0.6	0.0	65.8	1
8	111	2870	12	11	0	-21	12	53.3	14.4	1.0	0.0	67.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-6664	48	24	23	23	14	1.03	1.00	158.3	
1B	-6664	48	20	23	23	14	1.03	1.00	154.9	
1C	-6664	42	24	23	23	14	1.03	1.00	156.6	
1D	-6664	42	20	23	23	14	1.03	1.00	153.2	
1E	5509	48	24	23	23	14	1.00	1.00	133.0	
1F	5509	48	20	23	23	14	1.00	1.00	129.6	
1G	5509	42	24	23	23	14	1.00	1.00	131.4	
1H	5509	42	20	23	23	14	1.00	1.00	128.0	
1I	-3922	82	13	23	23	14	1.03	1.00	105.5	
1J	-3922	82	8	23	23	14	1.03	1.00	102.2	
1K	-3922	83	13	23	23	14	1.03	1.00	105.8	
1L	-3922	83	8	23	23	14	1.03	1.00	102.5	
1M	2767	82	13	23	23	14	1.00	1.00	81.8	
1N	2767	82	8	23	23	14	1.00	1.00	78.5	
1O	2767	83	13	23	23	14	1.00	1.00	82.1	
1P	2767	83	8	23	23	14	1.00	1.00	78.8	
2	3274	63	11	23	23	14	1.00	1.00	85.5	
7	2572	50	11	23	23	14	1.00	1.00	68.7	
8	2870	56	7	23	23	14	1.00	1.00	72.9	

ASTA NUM. 515 NI 11 NF 10 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-5072	-8	91	0	73	31	94.3	41.9	7.7	0.0	136.1	1	
1B	0	-5072	15	91	0	73	-26	94.3	38.6	7.7	0.0	132.8	1	
1C	0	-5072	-8	-128	0	-94	31	94.3	47.1	10.8	0.0	141.4	1	
1D	0	-5072	15	-128	0	-94	-26	94.3	43.8	10.8	0.0	138.1	1	
1E	0	3756	-8	91	0	73	31	69.8	41.9	7.7	0.0	111.7	1	
1F	0	3756	15	91	0	73	-26	69.8	38.6	7.7	0.0	108.4	1	
1G	0	3756	-8	-128	0	-94	31	69.8	47.1	10.8	0.0	117.0	1	
1H	0	3756	15	-128	0	-94	-26	69.8	43.8	10.8	0.0	113.6	1	
1I	0	-2570	-9	61	0	81	15	47.8	32.4	5.2	0.0	80.2	1	
1J	0	-2570	16	61	0	81	-11	47.8	29.1	5.2	0.0	76.9	1	
1K	0	-2570	-9	-97	0	-102	15	47.8	37.7	8.3	0.0	85.5	1	
1L	0	-2570	16	-97	0	-102	-11	47.8	34.4	8.3	0.0	82.1	1	
1M	0	1255	-9	61	0	81	15	23.3	32.4	5.2	0.0	55.8	1	
1N	0	1255	16	61	0	81	-11	23.3	29.1	5.2	0.0	52.4	1	
1O	0	1255	-9	-97	0	-102	15	23.3	37.7	8.3	0.0	61.0	1	
1P	0	1255	16	-97	0	-102	-11	23.3	34.4	8.3	0.0	57.7	1	
2	0	-1228	20	-230	0	-103	10	22.8	34.1	19.5	0.0	56.9	1	
7	0	-1162	18	-185	0	-85	10	21.6	29.1	15.7	0.0	50.7	1	
8	0	-1002	14	-205	0	-89	7	18.6	27.9	17.4	0.0	47.5	3	
1A	55	-5048	-8	91	0	18	38	93.8	32.8	7.7	0.0	126.6	1	
1B	55	-5048	15	91	0	18	-30	93.8	26.7	7.7	0.0	120.5	1	
1C	55	-5048	-8	-128	0	-18	38	93.8	32.8	10.8	0.0	126.6	1	
1D	55	-5048	15	-128	0	-18	-30	93.8	26.7	10.8	0.0	120.5	1	
1E	55	3780	-8	91	0	18	38	70.3	32.8	7.7	0.0	103.0	1	
1F	55	3780	15	91	0	18	-30	70.3	26.7	7.7	0.0	96.9	1	
1G	55	3780	-8	-128	0	-18	38	70.3	32.8	10.8	0.0	103.1	1	
1H	55	3780	15	-128	0	-18	-30	70.3	26.7	10.8	0.0	96.9	1	
1I	55	-2547	-9	61	0	60	20	47.3	30.4	5.2	0.0	77.8	1	
1J	55	-2547	16	61	0	60	-12	47.3	24.3	5.2	0.0	71.6	1	
1K	55	-2547	-9	-97	0	-60	20	47.3	30.4	8.3	0.0	77.8	1	
1L	55	-2547	16	-97	0	-60	-12	47.3	24.3	8.3	0.0	71.7	1	
1M	55	1278	-9	61	0	60	20	23.8	30.4	5.2	0.0	54.2	1	
1N	55	1278	16	61	0	60	-12	23.8	24.3	5.2	0.0	48.0	1	
1O	55	1278	-9	-97	0	-60	20	23.8	30.4	8.3	0.0	54.2	1	
1P	55	1278	16	-97	0	-60	-12	23.8	24.3	8.3	0.0	48.1	1	
2	55	-1198	20	-166	0	6	21	22.3	17.7	14.1	0.0	40.0	1	
7	55	-1132	18	-140	0	5	20	21.0	16.0	11.9	0.0	37.0	1	
8	55	-972	14	-141	0	6	14	18.1	12.4	12.0	0.0	30.5	1	
1A	111	-5025	-8	91	0	-38	45	93.4	43.2	7.7	0.0	136.6	1	
1B	111	-5025	15	91	0	-38	-33	93.4	34.3	7.7	0.0	127.7	1	
1C	111	-5025	-8	-128	0	58	45	93.4	48.4	10.8	0.0	141.8	1	
1D	111	-5025	15	-128	0	58	-33	93.4	39.5	10.8	0.0	132.9	1	
1E	111	3803	-8	91	0	-38	45	70.7	43.2	7.7	0.0	113.9	1	
1F	111	3803	15	91	0	-38	-33	70.7	34.3	7.7	0.0	105.0	1	
1G	111	3803	-8	-128	0	58	45	70.7	48.4	10.8	0.0	119.1	1	

1H	111	3803	15	-128	0	58	-33	70.7	39.5	10.8	0.0	110.2	1
1I	111	-2524	-9	61	0	40	24	46.9	28.4	5.2	0.0	75.3	1
1J	111	-2524	16	61	0	40	-12	46.9	19.5	5.2	0.0	66.4	1
1K	111	-2524	-9	-97	0	-19	24	46.9	23.2	8.3	0.0	70.1	1
1L	111	-2524	16	-97	0	-19	-12	46.9	14.3	8.3	0.0	61.2	1
1M	111	1302	-9	61	0	40	24	24.2	28.4	5.2	0.0	52.6	1
1N	111	1302	16	61	0	40	-12	24.2	19.5	5.2	0.0	43.7	1
1O	111	1302	-9	-97	0	-19	24	24.2	23.2	8.3	0.0	47.4	1
1P	111	1302	16	-97	0	-19	-12	24.2	14.3	8.3	0.0	38.5	1
2	111	-1167	20	-102	0	81	33	21.7	45.1	8.6	0.0	66.8	1
7	111	-1101	18	-96	0	70	30	20.5	40.4	8.1	0.0	60.9	1
8	111	-941	14	-77	0	67	22	17.5	33.8	6.5	0.0	51.3	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-5072	29	39	23	23	14	1.03	1.00	134.0	
1B	-5072	29	30	23	23	14	1.03	1.00	127.3	
1C	-5072	38	39	23	23	14	1.03	1.00	136.1	
1D	-5072	38	30	23	23	14	1.03	1.00	129.4	
1E	3803	29	39	23	23	14	1.00	1.00	107.5	
1F	3803	29	30	23	23	14	1.00	1.00	100.8	
1G	3803	38	39	23	23	14	1.00	1.00	109.6	
1H	3803	38	30	23	23	14	1.00	1.00	102.9	
1I	-2570	65	21	23	23	14	1.03	1.00	81.4	
1J	-2570	65	12	23	23	14	1.03	1.00	74.7	
1K	-2570	69	21	23	23	14	1.03	1.00	82.4	
1L	-2570	69	12	23	23	14	1.03	1.00	75.8	
1M	1302	65	21	23	23	14	1.00	1.00	56.3	
1N	1302	65	12	23	23	14	1.00	1.00	49.6	
1O	1302	69	21	23	23	14	1.00	1.00	57.4	
1P	1302	69	12	23	23	14	1.00	1.00	50.7	
2	-1228	41	24	23	23	14	1.03	1.00	51.8	
7	-1162	34	22	23	23	14	1.03	1.00	47.3	
8	-1002	36	16	23	23	14	1.03	1.00	40.3	

ASTA NUM. 516 NI 10 NF 9 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-4900	-7	128	0	88	48	91.1	58.6	10.9	0.0	149.6	1	
1B	0	-4900	12	128	0	88	-36	91.1	50.0	10.9	0.0	141.0	1	
1C	0	-4900	-7	-111	0	-71	48	91.1	54.2	9.4	0.0	145.3	1	
1D	0	-4900	12	-111	0	-71	-36	91.1	45.6	9.4	0.0	136.7	1	
1E	0	3669	-7	128	0	88	48	68.2	58.6	10.9	0.0	126.8	1	
1F	0	3669	12	128	0	88	-36	68.2	50.0	10.9	0.0	118.1	1	
1G	0	3669	-7	-111	0	-71	48	68.2	54.2	9.4	0.0	122.4	1	
1H	0	3669	12	-111	0	-71	-36	68.2	45.6	9.4	0.0	113.8	1	
1I	0	-2430	-16	62	0	62	22	45.2	32.6	5.2	0.0	77.8	1	
1J	0	-2430	20	62	0	62	-11	45.2	24.0	5.2	0.0	69.2	1	
1K	0	-2430	-16	-44	0	-45	22	45.2	28.3	3.7	0.0	73.4	1	
1L	0	-2430	20	-44	0	-45	-11	45.2	19.6	3.7	0.0	64.8	1	
1M	0	1198	-16	62	0	62	22	22.3	32.6	5.2	0.0	54.9	1	
1N	0	1198	20	62	0	62	-11	22.3	24.0	5.2	0.0	46.3	1	
1O	0	1198	-16	-44	0	-45	22	22.3	28.3	3.7	0.0	50.5	1	
1P	0	1198	20	-44	0	-45	-11	22.3	19.6	3.7	0.0	41.9	1	
2	0	-1407	16	-115	0	20	30	26.2	27.4	9.7	0.0	53.5	1	
7	0	-1299	15	-85	0	20	27	24.1	25.3	7.2	0.0	49.5	1	
8	0	-1147	12	-107	0	15	20	21.3	19.0	9.0	0.0	40.4	1	
1A	55	-4877	-7	128	0	13	54	90.6	43.5	10.9	0.0	134.1	1	
1B	55	-4877	12	128	0	13	-40	90.6	32.9	10.9	0.0	123.5	1	
1C	55	-4877	-7	-111	0	-5	54	90.6	41.6	9.4	0.0	132.2	1	
1D	55	-4877	12	-111	0	-5	-40	90.6	31.0	9.4	0.0	121.7	1	
1E	55	3692	-7	128	0	13	54	68.6	43.5	10.9	0.0	112.1	1	
1F	55	3692	12	128	0	13	-40	68.6	32.9	10.9	0.0	101.5	1	
1G	55	3692	-7	-111	0	-5	54	68.6	41.6	9.4	0.0	110.2	1	
1H	55	3692	12	-111	0	-5	-40	68.6	31.0	9.4	0.0	99.6	1	
1I	55	-2407	-16	62	0	12	32	44.7	27.4	5.2	0.0	72.1	1	
1J	55	-2407	20	62	0	12	-18	44.7	16.8	5.2	0.0	61.5	1	
1K	55	-2407	-16	-44	0	-5	32	44.7	25.5	3.7	0.0	70.2	1	
1L	55	-2407	20	-44	0	-5	-18	44.7	14.9	3.7	0.0	59.6	1	
1M	55	1222	-16	62	0	12	32	22.7	27.4	5.2	0.0	50.1	1	
1N	55	1222	20	62	0	12	-18	22.7	16.8	5.2	0.0	39.5	1	
1O	55	1222	-16	-44	0	-5	32	22.7	25.5	3.7	0.0	48.2	1	
1P	55	1222	20	-44	0	-5	-18	22.7	14.9	3.7	0.0	37.6	1	
2	55	-1377	16	-51	0	66	39	25.6	45.9	4.3	0.0	71.4	1	
7	55	-1269	15	-40	0	55	35	23.6	40.3	3.4	0.0	63.9	1	
8	55	-1116	12	-43	0	56	27	20.8	34.5	3.6	0.0	55.2	1	
1A	111	-4854	-7	128	0	-63	60	90.2	60.8	10.9	0.0	151.0	1	
1B	111	-4854	12	128	0	-63	-43	90.2	48.3	10.9	0.0	138.5	1	
1C	111	-4854	-7	-111	0	61	60	90.2	60.2	9.4	0.0	150.4	1	
1D	111	-4854	12	-111	0	61	-43	90.2	47.7	9.4	0.0	137.9	1	
1E	111	3715	-7	128	0	-63	60	69.1	60.8	10.9	0.0	129.9	1	
1F	111	3715	12	128	0	-63	-43	69.1	48.3	10.9	0.0	117.3	1	
1G	111	3715	-7	-111	0	61	60	69.1	60.2	9.4	0.0	129.3	1	
1H	111	3715	12	-111	0	61	-43	69.1	47.7	9.4	0.0	116.7	1	

1I	111	-2384	-16	62	0	-37	42	44.3	41.3	5.2	0.0	85.7	1
1J	111	-2384	20	62	0	-37	-26	44.3	28.8	5.2	0.0	73.1	1
1K	111	-2384	-16	-44	0	35	42	44.3	40.7	3.7	0.0	85.0	1
1L	111	-2384	20	-44	0	35	-26	44.3	28.2	3.7	0.0	72.5	1
1M	111	1245	-16	62	0	-37	42	23.1	41.3	5.2	0.0	64.5	1
1N	111	1245	20	62	0	-37	-26	23.1	28.8	5.2	0.0	51.9	1
1O	111	1245	-16	-44	0	35	42	23.1	40.7	3.7	0.0	63.9	1
1P	111	1245	20	-44	0	35	-26	23.1	28.2	3.7	0.0	51.3	1
2	111	-1347	16	13	0	76	48	25.0	55.2	1.1	0.0	80.3	1
7	111	-1239	15	4	0	65	43	23.0	49.0	0.5	0.0	72.0	1
8	111	-1086	12	21	0	62	33	20.2	40.8	1.8	0.0	61.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-4900	35	55	23	23	14	1.03	1.00	144.1	
1B	-4900	35	40	23	23	14	1.03	1.00	133.1	
1C	-4900	29	55	23	23	14	1.03	1.00	142.4	
1D	-4900	29	40	23	23	14	1.03	1.00	131.4	
1E	3715	35	55	23	23	14	1.00	1.00	119.2	
1F	3715	35	40	23	23	14	1.00	1.00	108.3	
1G	3715	29	55	23	23	14	1.00	1.00	117.5	
1H	3715	29	40	23	23	14	1.00	1.00	106.5	
1I	-2430	25	34	23	23	14	1.03	1.00	78.6	
1J	-2430	25	20	23	23	14	1.03	1.00	67.7	
1K	-2430	18	34	23	23	14	1.03	1.00	76.9	
1L	-2430	18	20	23	23	14	1.03	1.00	65.9	
1M	1245	25	34	23	23	14	1.00	1.00	55.2	
1N	1245	25	20	23	23	14	1.00	1.00	44.3	
1O	1245	18	34	23	23	14	1.00	1.00	53.5	
1P	1245	18	20	23	23	14	1.00	1.00	42.5	
2	-1407	54	40	23	23	14	1.03	1.00	71.0	
7	-1299	47	37	23	23	14	1.03	1.00	64.4	
8	-1147	43	28	23	23	14	1.03	1.00	54.1	

ASTA NUM. 517 NI 9 NF 8 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3414	-8	51	0	38	74	63.5	64.9	4.3	0.0	128.4	1	
1B	0	-3414	8	51	0	38	-54	63.5	49.9	4.3	0.0	113.4	1	
1C	0	-3414	-8	-79	0	-43	74	63.5	66.2	6.7	0.0	129.6	1	
1D	0	-3414	8	-79	0	-43	-54	63.5	51.2	6.7	0.0	114.6	1	
1E	0	2108	-8	51	0	38	74	39.2	64.9	4.3	0.0	104.1	1	
1F	0	2108	8	51	0	38	-54	39.2	49.9	4.3	0.0	89.1	1	
1G	0	2108	-8	-79	0	-43	74	39.2	66.2	6.7	0.0	105.4	1	
1H	0	2108	8	-79	0	-43	-54	39.2	51.2	6.7	0.0	90.4	1	
1I	0	-1803	-19	45	0	40	45	33.5	44.1	3.8	0.0	77.6	1	
1J	0	-1803	19	45	0	40	-25	33.5	29.1	3.8	0.0	62.6	1	
1K	0	-1803	-19	-73	0	-45	45	33.5	45.4	6.2	0.0	78.9	1	
1L	0	-1803	19	-73	0	-45	-25	33.5	30.4	6.2	0.0	63.9	1	
1M	0	496	-19	45	0	40	45	9.2	44.1	3.8	0.0	53.3	1	
1N	0	496	19	45	0	40	-25	9.2	29.1	3.8	0.0	38.3	1	
1O	0	496	-19	-73	0	-45	45	9.2	45.4	6.2	0.0	54.6	1	
1P	0	496	19	-73	0	-45	-25	9.2	30.4	6.2	0.0	39.6	1	
2	0	-3755	5	-162	0	33	55	69.8	49.4	13.8	0.0	119.2	1	
7	0	-3234	5	-128	0	29	49	60.1	44.2	10.9	0.0	104.3	1	
8	0	-3143	4	-147	0	25	38	58.4	35.3	12.5	0.0	93.8	1	
1A	55	-3391	-8	51	0	10	78	63.0	60.7	4.3	0.0	123.7	1	
1B	55	-3391	8	51	0	10	-58	63.0	45.7	4.3	0.0	108.7	1	
1C	55	-3391	-8	-79	0	1	78	63.0	58.4	6.7	0.0	121.4	1	
1D	55	-3391	8	-79	0	1	-58	63.0	43.4	6.7	0.0	106.4	1	
1E	55	2131	-8	51	0	10	78	39.6	60.7	4.3	0.0	100.3	1	
1F	55	2131	8	51	0	10	-58	39.6	45.7	4.3	0.0	85.3	1	
1G	55	2131	-8	-79	0	1	78	39.6	58.4	6.7	0.0	98.0	1	
1H	55	2131	8	-79	0	1	-58	39.6	43.4	6.7	0.0	83.0	1	
1I	55	-1779	-19	45	0	14	55	33.1	44.8	3.8	0.0	77.9	1	
1J	55	-1779	19	45	0	14	-35	33.1	29.8	3.8	0.0	62.9	1	
1K	55	-1779	-19	-73	0	-3	55	33.1	42.0	6.2	0.0	75.1	1	
1L	55	-1779	19	-73	0	-3	-35	33.1	27.0	6.2	0.0	60.1	1	
1M	55	520	-19	45	0	14	55	9.7	44.8	3.8	0.0	54.5	1	
1N	55	520	19	45	0	14	-35	9.7	29.8	3.8	0.0	39.4	1	
1O	55	520	-19	-73	0	-3	55	9.7	42.0	6.2	0.0	51.7	1	
1P	55	520	19	-73	0	-3	-35	9.7	27.0	6.2	0.0	36.7	1	
2	55	-3724	5	-98	0	105	57	69.2	70.0	8.3	0.0	139.2	1	
7	55	-3204	5	-83	0	87	52	59.5	61.2	7.1	0.0	120.8	1	
8	55	-3112	4	-83	0	89	40	57.9	53.2	7.1	0.0	111.0	1	
1A	111	-3367	-8	51	0	-19	82	62.6	66.1	4.3	0.0	128.7	1	
1B	111	-3367	8	51	0	-19	-62	62.6	51.0	4.3	0.0	113.6	1	
1C	111	-3367	-8	-79	0	45	82	62.6	72.8	6.7	0.0	135.4	1	
1D	111	-3367	8	-79	0	45	-62	62.6	57.8	6.7	0.0	120.4	1	
1E	111	2154	-8	51	0	-19	82	40.0	66.1	4.3	0.0	106.1	1	
1F	111	2154	8	51	0	-19	-62	40.0	51.0	4.3	0.0	91.1	1	
1G	111	2154	-8	-79	0	45	82	40.0	72.8	6.7	0.0	112.9	1	
1H	111	2154	8	-79	0	45	-62	40.0	57.8	6.7	0.0	97.9	1	
1I	111	-1756	-19	45	0	-12	65	32.6	51.6	3.8	0.0	84.3	1	

1J	111	-1756	19	45	0	-12	-45	32.6	36.6	3.8	0.0	69.2	1
1K	111	-1756	-19	-73	0	38	65	32.6	58.4	6.2	0.0	91.0	1
1L	111	-1756	19	-73	0	38	-45	32.6	43.4	6.2	0.0	76.0	1
1M	111	543	-19	45	0	-12	65	10.1	51.6	3.8	0.0	61.7	1
1N	111	543	19	45	0	-12	-45	10.1	36.6	3.8	0.0	46.7	1
1O	111	543	-19	-73	0	38	65	10.1	58.4	6.2	0.0	68.5	1
1P	111	543	19	-73	0	38	-45	10.1	43.4	6.2	0.0	53.5	1
2	111	-3694	5	-34	0	142	60	68.7	81.5	2.9	0.0	150.1	1
7	111	-3173	5	-39	0	121	54	59.0	71.9	3.3	0.0	130.9	1
8	111	-3082	4	-19	0	117	42	57.3	61.9	1.6	0.0	119.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3414	16	79	23	23	14	1.03	1.00	128.3	
1B	-3414	16	58	23	23	14	1.03	1.00	113.2	
1C	-3414	18	79	23	23	14	1.03	1.00	128.9	
1D	-3414	18	58	23	23	14	1.03	1.00	113.8	
1E	2154	16	79	23	23	14	1.00	1.00	102.8	
1F	2154	16	58	23	23	14	1.00	1.00	87.8	
1G	2154	18	79	23	23	14	1.00	1.00	103.5	
1H	2154	18	58	23	23	14	1.00	1.00	88.4	
1I	-1803	19	57	23	23	14	1.03	1.00	82.2	
1J	-1803	19	37	23	23	14	1.03	1.00	67.1	
1K	-1803	18	57	23	23	14	1.03	1.00	81.8	
1L	-1803	18	37	23	23	14	1.03	1.00	66.8	
1M	543	19	57	23	23	14	1.00	1.00	57.7	
1N	543	19	37	23	23	14	1.00	1.00	42.7	
1O	543	18	57	23	23	14	1.00	1.00	57.4	
1P	543	18	37	23	23	14	1.00	1.00	42.4	
2	-3755	98	58	23	23	14	1.03	1.00	140.6	
7	-3234	84	52	23	23	14	1.03	1.00	122.8	
8	-3143	81	41	23	23	14	1.03	1.00	111.5	

ASTA NUM. 518 NI 8 NF 7 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3270	-44	88	0	69	104	60.8	95.4	7.5	0.0	156.1	1	
1B	0	-3270	23	88	0	69	-78	60.8	76.2	7.5	0.0	137.0	1	
1C	0	-3270	-44	-77	0	-45	104	60.8	89.2	6.5	0.0	149.9	1	
1D	0	-3270	23	-77	0	-45	-78	60.8	70.1	6.5	0.0	130.8	1	
1E	0	2050	-44	88	0	69	104	38.1	95.4	7.5	0.0	133.5	1	
1F	0	2050	23	88	0	69	-78	38.1	76.2	7.5	0.0	114.4	1	
1G	0	2050	-44	-77	0	-45	104	38.1	89.2	6.5	0.0	127.3	1	
1H	0	2050	23	-77	0	-45	-78	38.1	70.1	6.5	0.0	108.2	1	
1I	0	-1778	-32	49	0	33	76	33.1	65.1	4.1	0.0	98.1	1	
1J	0	-1778	11	49	0	33	-50	33.1	46.0	4.1	0.0	79.0	1	
1K	0	-1778	-32	-38	0	-9	76	33.1	58.9	3.2	0.0	92.0	1	
1L	0	-1778	11	-38	0	-9	-50	33.1	39.8	3.2	0.0	72.8	1	
1M	0	559	-32	49	0	33	76	10.4	65.1	4.1	0.0	75.5	1	
1N	0	559	11	49	0	33	-50	10.4	46.0	4.1	0.0	56.4	1	
1O	0	559	-32	-38	0	-9	76	10.4	58.9	3.2	0.0	69.3	1	
1P	0	559	11	-38	0	-9	-50	10.4	39.8	3.2	0.0	50.2	1	
2	0	-3789	-51	-67	0	118	74	70.4	85.5	5.7	0.0	156.0	1	
7	0	-3251	-45	-47	0	101	67	60.4	75.9	4.0	0.0	136.3	1	
8	0	-3163	-38	-65	0	97	52	58.8	64.1	5.5	0.0	122.9	1	
1A	55	-3246	-44	88	0	19	83	60.3	66.5	7.5	0.0	126.9	1	
1B	55	-3246	23	88	0	19	-69	60.3	56.2	7.5	0.0	116.5	1	
1C	55	-3246	-44	-77	0	-1	83	60.3	61.9	6.5	0.0	122.3	1	
1D	55	-3246	23	-77	0	-1	-69	60.3	51.6	6.5	0.0	111.9	1	
1E	55	2074	-44	88	0	19	83	38.5	66.5	7.5	0.0	105.1	1	
1F	55	2074	23	88	0	19	-69	38.5	56.2	7.5	0.0	94.7	1	
1G	55	2074	-44	-77	0	-1	83	38.5	61.9	6.5	0.0	100.5	1	
1H	55	2074	23	-77	0	-1	-69	38.5	51.6	6.5	0.0	90.1	1	
1I	55	-1755	-32	49	0	2	68	32.6	51.5	4.1	0.0	84.1	1	
1J	55	-1755	11	49	0	2	-54	32.6	41.1	4.1	0.0	73.7	1	
1K	55	-1755	-32	-38	0	16	68	32.6	54.9	3.2	0.0	87.5	1	
1L	55	-1755	11	-38	0	16	-54	32.6	44.5	3.2	0.0	77.1	1	
1M	55	582	-32	49	0	2	68	10.8	51.5	4.1	0.0	62.3	1	
1N	55	582	11	49	0	2	-54	10.8	41.1	4.1	0.0	52.0	1	
1O	55	582	-32	-38	0	16	68	10.8	54.9	3.2	0.0	65.7	1	
1P	55	582	11	-38	0	16	-54	10.8	44.5	3.2	0.0	55.4	1	
2	55	-3758	-51	-3	0	137	45	69.9	69.3	1.9	0.0	139.1	1	
7	55	-3220	-45	-2	0	115	42	59.9	60.8	1.7	0.0	120.6	1	
8	55	-3132	-38	-1	0	115	32	58.2	53.3	1.4	0.0	111.5	1	
1A	111	-3223	-44	88	0	-32	61	59.9	54.0	7.5	0.0	113.9	1	
1B	111	-3223	23	88	0	-32	-59	59.9	52.4	7.5	0.0	112.3	1	
1C	111	-3223	-44	-77	0	43	61	59.9	57.0	6.5	0.0	116.9	1	
1D	111	-3223	23	-77	0	43	-59	59.9	55.5	6.5	0.0	115.4	1	
1E	111	2097	-44	88	0	-32	61	39.0	54.0	7.5	0.0	93.0	1	
1F	111	2097	23	88	0	-32	-59	39.0	52.4	7.5	0.0	91.4	1	
1G	111	2097	-44	-77	0	43	61	39.0	57.0	6.5	0.0	96.0	1	
1H	111	2097	23	-77	0	43	-59	39.0	55.5	6.5	0.0	94.5	1	
1I	111	-1732	-32	49	0	-28	60	32.2	52.3	4.1	0.0	84.5	1	
1J	111	-1732	11	49	0	-28	-58	32.2	50.8	4.1	0.0	82.9	1	

1K	111	-1732	-32	-38	0	40	60	32.2	55.4	3.2	0.0	87.5	1
1L	111	-1732	11	-38	0	40	-58	32.2	53.8	3.2	0.0	86.0	1
1M	111	606	-32	49	0	-28	60	11.3	52.3	4.1	0.0	63.6	1
1N	111	606	11	49	0	-28	-58	11.3	50.8	4.1	0.0	62.0	1
1O	111	606	-32	-38	0	40	60	11.3	55.4	3.2	0.0	66.6	1
1P	111	606	11	-38	0	40	-58	11.3	53.8	3.2	0.0	65.1	1
2	111	-3728	-51	61	0	121	17	69.3	43.9	5.1	0.0	113.2	1
7	111	-3190	-45	43	0	104	17	59.3	39.3	3.6	0.0	98.6	1
8	111	-3102	-38	63	0	98	11	57.7	33.4	5.3	0.0	91.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3270	29	87	23	23	14	1.03	1.00	135.0	
1B	-3270	29	71	23	23	14	1.03	1.00	122.9	
1C	-3270	18	87	23	23	14	1.03	1.00	132.2	
1D	-3270	18	71	23	23	14	1.03	1.00	120.1	
1E	2097	29	87	23	23	14	1.00	1.00	111.3	
1F	2097	29	71	23	23	14	1.00	1.00	99.2	
1G	2097	18	87	23	23	14	1.00	1.00	108.5	
1H	2097	18	71	23	23	14	1.00	1.00	96.4	
1I	-1778	13	69	23	23	14	1.03	1.00	89.5	
1J	-1778	13	55	23	23	14	1.03	1.00	78.6	
1K	-1778	20	69	23	23	14	1.03	1.00	91.4	
1L	-1778	20	55	23	23	14	1.03	1.00	80.5	
1M	606	13	69	23	23	14	1.00	1.00	66.7	
1N	606	13	55	23	23	14	1.00	1.00	55.8	
1O	606	20	69	23	23	14	1.00	1.00	68.5	
1P	606	20	55	23	23	14	1.00	1.00	57.6	
2	-3789	120	51	23	23	14	1.03	1.00	141.7	
7	-3251	103	47	23	23	14	1.03	1.00	123.7	
8	-3163	98	36	23	23	14	1.03	1.00	112.5	

ASTA NUM. 519 NI 7 NF 6 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1832	-86	8	0	15	111	34.1	86.7	3.2	0.0	120.8	1	
1B	0	-1832	44	8	0	15	-98	34.1	77.0	1.7	0.0	111.0	1	
1C	0	-1832	-86	-25	0	-4	111	34.1	83.9	3.2	0.0	118.0	1	
1D	0	-1832	44	-25	0	-4	-98	34.1	74.1	2.1	0.0	108.2	1	
1E	0	648	-86	8	0	15	111	12.0	86.7	3.2	0.0	98.8	1	
1F	0	648	44	8	0	15	-98	12.0	77.0	1.7	0.0	89.0	1	
1G	0	648	-86	-25	0	-4	111	12.0	83.9	3.2	0.0	95.9	1	
1H	0	648	44	-25	0	-4	-98	12.0	74.1	2.1	0.0	86.2	1	
1I	0	-1934	-62	30	0	21	92	36.0	73.9	2.5	0.0	109.8	1	
1J	0	-1934	20	30	0	21	-79	36.0	64.1	2.5	0.0	100.0	1	
1K	0	-1934	-62	-47	0	-10	92	36.0	71.0	4.0	0.0	107.0	1	
1L	0	-1934	20	-47	0	-10	-79	36.0	61.3	4.0	0.0	97.2	1	
1M	0	750	-62	30	0	21	92	13.9	73.9	2.5	0.0	87.8	1	
1N	0	750	20	30	0	21	-79	13.9	64.1	2.5	0.0	78.0	1	
1O	0	750	-62	-47	0	-10	92	13.9	71.0	4.0	0.0	85.0	1	
1P	0	750	20	-47	0	-10	-79	13.9	61.3	4.0	0.0	75.2	1	
2	0	-3957	-107	-85	0	117	47	73.6	65.5	7.2	0.0	139.0	1	
7	0	-3366	-94	-62	0	100	44	62.6	58.8	5.3	0.0	121.4	1	
8	0	-3298	-78	-81	0	94	33	61.3	48.8	6.9	0.0	110.1	1	
1A	55	-1809	-86	8	0	26	66	33.6	56.6	3.2	0.0	90.2	1	
1B	55	-1809	44	8	0	26	-77	33.6	64.2	1.7	0.0	97.8	1	
1C	55	-1809	-86	-25	0	-6	66	33.6	51.3	3.2	0.0	84.9	1	
1D	55	-1809	44	-25	0	-6	-77	33.6	58.9	2.1	0.0	92.5	1	
1E	55	671	-86	8	0	26	66	12.5	56.6	3.2	0.0	69.0	1	
1F	55	671	44	8	0	26	-77	12.5	64.2	1.7	0.0	76.6	1	
1G	55	671	-86	-25	0	-6	66	12.5	51.3	3.2	0.0	63.8	1	
1H	55	671	44	-25	0	-6	-77	12.5	58.9	2.1	0.0	71.4	1	
1I	55	-1911	-62	30	0	45	66	35.5	60.8	2.5	0.0	96.3	1	
1J	55	-1911	20	30	0	45	-76	35.5	68.4	2.5	0.0	103.9	1	
1K	55	-1911	-62	-47	0	-24	66	35.5	55.5	4.0	0.0	91.0	1	
1L	55	-1911	20	-47	0	-24	-76	35.5	63.1	4.0	0.0	98.6	1	
1M	55	773	-62	30	0	45	66	14.4	60.8	2.5	0.0	75.1	1	
1N	55	773	20	30	0	45	-76	14.4	68.4	2.5	0.0	82.7	1	
1O	55	773	-62	-47	0	-24	66	14.4	55.5	4.0	0.0	69.9	1	
1P	55	773	20	-47	0	-24	-76	14.4	63.1	4.0	0.0	77.5	1	
2	55	-3926	-107	-21	0	146	-12	73.0	46.4	4.0	0.0	119.4	1	
7	55	-3336	-94	-18	0	122	-8	62.0	37.3	3.5	0.0	99.3	1	
8	55	-3268	-78	-17	0	122	-11	60.7	39.2	2.9	0.0	100.0	1	
1A	111	-1786	-86	8	0	38	22	33.2	26.4	3.2	0.0	59.6	1	
1B	111	-1786	44	8	0	38	-55	33.2	51.4	1.7	0.0	84.5	1	
1C	111	-1786	-86	-25	0	-8	22	33.2	18.7	3.2	0.0	51.9	1	
1D	111	-1786	44	-25	0	-8	-55	33.2	43.7	2.1	0.0	76.8	1	
1E	111	694	-86	8	0	38	22	12.9	26.4	3.2	0.0	39.3	1	
1F	111	694	44	8	0	38	-55	12.9	51.4	1.7	0.0	64.3	1	
1G	111	694	-86	-25	0	-8	22	12.9	18.7	3.2	0.0	31.6	1	
1H	111	694	44	-25	0	-8	-55	12.9	43.7	2.1	0.0	56.6	1	
1I	111	-1888	-62	30	0	69	40	35.1	47.7	2.5	0.0	82.8	1	
1J	111	-1888	20	30	0	69	-73	35.1	72.7	2.5	0.0	107.7	1	
1K	111	-1888	-62	-47	0	-39	40	35.1	40.0	4.0	0.0	75.1	1	

1L	111	-1888	20	-47	0	-39	-73	35.1	65.0	4.0	0.0	100.0	1
1M	111	796	-62	30	0	69	40	14.8	47.7	2.5	0.0	62.5	1
1N	111	796	20	30	0	69	-73	14.8	72.7	2.5	0.0	87.5	1
1O	111	796	-62	-47	0	-39	40	14.8	40.0	4.0	0.0	54.8	1
1P	111	796	20	-47	0	-39	-73	14.8	65.0	4.0	0.0	79.8	1
2	111	-3896	-107	43	0	140	-71	72.4	89.2	4.0	0.0	161.6	1
7	111	-3305	-94	27	0	120	-60	61.4	75.5	3.5	0.0	136.9	1
8	111	-3237	-78	46	0	114	-54	60.2	69.6	3.9	0.0	129.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1832	29	75	23	23	14	1.03	1.00	98.9	
1B	-1832	29	81	23	23	14	1.03	1.00	103.1	
1C	-1832	6	75	23	23	14	1.03	1.00	93.2	
1D	-1832	6	81	23	23	14	1.03	1.00	97.3	
1E	694	29	75	23	23	14	1.00	1.00	76.7	
1F	694	29	81	23	23	14	1.00	1.00	80.8	
1G	694	6	75	23	23	14	1.00	1.00	70.9	
1H	694	6	81	23	23	14	1.00	1.00	75.1	
1I	-1934	49	71	23	23	14	1.03	1.00	102.9	
1J	-1934	49	77	23	23	14	1.03	1.00	107.1	
1K	-1934	27	71	23	23	14	1.03	1.00	97.2	
1L	-1934	27	77	23	23	14	1.03	1.00	101.3	
1M	796	49	71	23	23	14	1.00	1.00	80.7	
1N	796	49	77	23	23	14	1.00	1.00	84.8	
1O	796	27	71	23	23	14	1.00	1.00	74.9	
1P	796	27	77	23	23	14	1.00	1.00	79.1	
2	-3957	130	28	23	23	14	1.03	1.00	130.7	
7	-3366	112	24	23	23	14	1.03	1.00	111.1	
8	-3298	106	22	23	23	14	1.03	1.00	106.6	

ASTA NUM. 520 NI 6 NF 5 Lungh. 110.7 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1660	-270	89	0	64	67	30.9	66.6	10.1	0.0	97.5	1	
1B	0	-1660	175	89	0	64	-95	30.9	87.5	7.6	0.0	118.4	1	
1C	0	-1660	-270	-141	0	-32	67	30.9	58.6	12.0	0.0	89.5	1	
1D	0	-1660	175	-141	0	-32	-95	30.9	79.5	12.0	0.0	110.4	1	
1E	0	579	-270	89	0	64	67	10.8	66.6	10.1	0.0	77.4	1	
1F	0	579	175	89	0	64	-95	10.8	87.5	7.6	0.0	98.3	1	
1G	0	579	-270	-141	0	-32	67	10.8	58.6	12.0	0.0	69.4	1	
1H	0	579	175	-141	0	-32	-95	10.8	79.5	12.0	0.0	90.3	1	
1I	0	-1871	-216	42	0	71	71	34.8	71.5	8.1	0.0	106.2	1	
1J	0	-1871	121	42	0	71	-99	34.8	92.4	4.5	0.0	127.1	1	
1K	0	-1871	-216	-94	0	-40	71	34.8	63.4	8.1	0.0	98.2	1	
1L	0	-1871	121	-94	0	-40	-99	34.8	84.3	8.0	0.0	119.1	1	
1M	0	790	-216	42	0	71	71	14.7	71.5	8.1	0.0	86.1	1	
1N	0	790	121	42	0	71	-99	14.7	92.4	4.5	0.0	107.0	1	
1O	0	790	-216	-94	0	-40	71	14.7	63.4	8.1	0.0	78.1	1	
1P	0	790	121	-94	0	-40	-99	14.7	84.3	8.0	0.0	99.0	1	
2	0	-3815	-261	-141	0	158	-53	70.9	80.3	12.0	0.0	151.2	1	
7	0	-3235	-231	-112	0	136	-43	60.1	66.8	9.5	0.0	126.9	1	
8	0	-3170	-190	-118	0	129	-41	58.9	63.9	10.0	0.0	122.9	1	
1A	55	-1636	-270	89	0	0	-88	30.4	66.1	10.1	0.0	96.6	1	
1B	55	-1636	175	89	0	0	8	30.4	5.8	7.6	0.0	36.2	1	
1C	55	-1636	-270	-141	0	59	-88	30.4	81.4	12.0	0.0	111.8	1	
1D	55	-1636	175	-141	0	59	8	30.4	21.0	12.0	0.0	51.5	1	
1E	55	602	-270	89	0	0	-88	11.2	66.1	10.1	0.0	77.3	1	
1F	55	602	175	89	0	0	8	11.2	5.8	7.6	0.0	19.9	3	
1G	55	602	-270	-141	0	59	-88	11.2	81.4	12.0	0.0	92.6	1	
1H	55	602	175	-141	0	59	8	11.2	21.0	12.0	0.0	33.1	3	
1I	55	-1848	-216	42	0	110	-65	34.3	76.9	8.1	0.0	111.2	1	
1J	55	-1848	121	42	0	110	-16	34.3	40.1	4.5	0.0	74.5	1	
1K	55	-1848	-216	-94	0	-50	-65	34.3	61.5	8.1	0.0	95.8	1	
1L	55	-1848	121	-94	0	-50	-16	34.3	24.8	8.0	0.0	59.1	1	
1M	55	813	-216	42	0	110	-65	15.1	76.9	8.1	0.0	92.0	1	
1N	55	813	121	42	0	110	-16	15.1	40.1	4.5	0.0	55.3	1	
1O	55	813	-216	-94	0	-50	-65	15.1	61.5	8.1	0.0	76.6	1	
1P	55	813	121	-94	0	-50	-16	15.1	24.8	8.0	0.0	39.9	1	
2	55	-3785	-261	-77	0	219	-197	70.4	203.8	9.8	0.0	274.1	1	
7	55	-3204	-231	-67	0	185	-170	59.6	175.2	8.7	0.0	234.8	1	
8	55	-3140	-190	-54	0	177	-146	58.4	154.9	7.1	0.0	213.3	1	
1A	111	-1613	-270	89	0	-63	-244	30.0	198.6	10.1	0.0	228.6	1	
1B	111	-1613	175	89	0	-63	110	30.0	98.8	7.6	0.0	128.8	1	
1C	111	-1613	-270	-141	0	151	-244	30.0	221.3	12.0	0.0	251.3	1	
1D	111	-1613	175	-141	0	151	110	30.0	121.6	12.0	0.0	151.6	1	
1E	111	625	-270	89	0	-63	-244	11.6	198.6	10.1	0.0	210.2	1	
1F	111	625	175	89	0	-63	110	11.6	98.8	7.6	0.0	110.4	1	
1G	111	625	-270	-141	0	151	-244	11.6	221.3	12.0	0.0	233.0	1	
1H	111	625	175	-141	0	151	110	11.6	121.6	12.0	0.0	133.2	1	
1I	111	-1824	-216	42	0	150	-201	33.9	188.8	8.1	0.0	222.7	1	
1J	111	-1824	121	42	0	150	68	33.9	89.1	4.5	0.0	123.0	1	
1K	111	-1824	-216	-94	0	-61	-201	33.9	166.1	8.1	0.0	200.0	1	
1L	111	-1824	121	-94	0	-61	68	33.9	66.3	8.0	0.0	100.2	1	

1M	111	836	-216	42	0	150	-201	15.5	188.8	8.1	0.0	204.4	1
1N	111	836	121	42	0	150	68	15.5	89.1	4.5	0.0	104.6	1
1O	111	836	-216	-94	0	-61	-201	15.5	166.1	8.1	0.0	181.6	1
1P	111	836	121	-94	0	-61	68	15.5	66.3	8.0	0.0	81.9	1
2	111	-3755	-261	-13	0	244	-341	69.8	318.2	9.8	0.0	388.0	1
7	111	-3174	-231	-22	0	210	-298	59.0	277.3	8.7	0.0	336.3	1
8	111	-3109	-190	10	0	189	-251	57.8	236.8	7.1	0.0	294.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1660	25	119	23	23	14	1.03	1.00	127.7	
1B	-1660	25	44	23	23	14	1.03	1.00	71.4	
1C	-1660	78	119	23	23	14	1.03	1.00	141.2	
1D	-1660	78	44	23	23	14	1.03	1.00	84.9	
1E	625	25	119	23	23	14	1.00	1.00	107.5	
1F	625	25	44	23	23	14	1.00	1.00	51.2	
1G	625	78	119	23	23	14	1.00	1.00	121.0	
1H	625	78	44	23	23	14	1.00	1.00	64.7	
1I	-1871	118	92	23	23	14	1.03	1.00	135.2	
1J	-1871	118	40	23	23	14	1.03	1.00	95.9	
1K	-1871	53	92	23	23	14	1.03	1.00	118.3	
1L	-1871	53	40	23	23	14	1.03	1.00	79.0	
1M	836	118	92	23	23	14	1.00	1.00	114.8	
1N	836	118	40	23	23	14	1.00	1.00	75.6	
1O	836	53	92	23	23	14	1.00	1.00	98.0	
1P	836	53	40	23	23	14	1.00	1.00	58.7	
2	-3815	209	226	23	23	14	1.03	1.00	296.4	
7	-3235	180	196	23	23	14	1.03	1.00	255.3	
8	-3170	165	167	23	23	14	1.03	1.00	228.5	

ASTA NUM. 521 NI 722 NF 4 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-304	-361	48	0	73	155	5.6	135.0	13.5	0.0	140.6	1	
1B	0	-304	370	48	0	73	-158	5.6	137.3	13.9	0.0	143.0	1	
1C	0	-304	-361	-277	0	-138	155	5.6	151.6	23.5	0.0	157.2	1	
1D	0	-304	370	-277	0	-138	-158	5.6	153.9	23.5	0.0	159.6	1	
1E	0	214	-361	48	0	73	155	4.0	135.0	13.5	0.0	139.0	1	
1F	0	214	370	48	0	73	-158	4.0	137.3	13.9	0.0	141.3	1	
1G	0	214	-361	-277	0	-138	155	4.0	151.6	23.5	0.0	155.6	1	
1H	0	214	370	-277	0	-138	-158	4.0	153.9	23.5	0.0	157.9	1	
1I	0	-507	-316	87	0	173	137	9.4	147.2	11.9	0.0	156.6	1	
1J	0	-507	325	87	0	173	-140	9.4	149.5	12.2	0.0	158.9	1	
1K	0	-507	-316	-316	0	-238	137	9.4	163.7	26.8	0.0	173.2	1	
1L	0	-507	325	-316	0	-238	-140	9.4	166.1	26.8	0.0	175.5	1	
1M	0	417	-316	87	0	173	137	7.8	147.2	11.9	0.0	154.9	1	
1N	0	417	325	87	0	173	-140	7.8	149.5	12.2	0.0	157.3	1	
1O	0	417	-316	-316	0	-238	137	7.8	163.7	26.8	0.0	171.5	1	
1P	0	417	325	-316	0	-238	-140	7.8	166.1	26.8	0.0	173.9	1	
2	0	-471	82	-922	0	-394	-34	8.8	126.9	78.2	0.0	156.4	3	
7	0	-401	87	-792	0	-334	-37	7.5	113.3	67.1	0.0	133.7	3	
8	0	-408	54	-734	0	-322	-22	7.6	99.7	62.3	0.0	126.0	3	
1A	22	-295	-361	48	0	79	77	5.5	78.2	13.5	0.0	83.7	1	
1B	22	-295	370	48	0	79	-78	5.5	79.1	13.9	0.0	84.6	1	
1C	22	-295	-361	-277	0	-94	77	5.5	82.1	23.5	0.0	87.5	1	
1D	22	-295	370	-277	0	-94	-78	5.5	83.0	23.5	0.0	88.5	1	
1E	22	223	-361	48	0	79	77	4.1	78.2	13.5	0.0	82.3	1	
1F	22	223	370	48	0	79	-78	4.1	79.1	13.9	0.0	83.3	1	
1G	22	223	-361	-277	0	-94	77	4.1	82.1	23.5	0.0	86.2	1	
1H	22	223	370	-277	0	-94	-78	4.1	83.0	23.5	0.0	87.2	1	
1I	22	-498	-316	87	0	165	69	9.3	94.3	11.9	0.0	103.5	1	
1J	22	-498	325	87	0	165	-70	9.3	95.2	12.2	0.0	104.5	1	
1K	22	-498	-316	-316	0	-180	69	9.3	98.2	26.8	0.0	107.4	1	
1L	22	-498	325	-316	0	-180	-70	9.3	99.1	26.8	0.0	108.3	1	
1M	22	426	-316	87	0	165	69	7.9	94.3	11.9	0.0	102.2	1	
1N	22	426	325	87	0	165	-70	7.9	95.2	12.2	0.0	103.1	1	
1O	22	426	-316	-316	0	-180	69	7.9	98.2	26.8	0.0	106.1	1	
1P	22	426	325	-316	0	-180	-70	7.9	99.1	26.8	0.0	107.0	1	
2	22	-459	82	-898	0	-199	-16	8.5	63.4	76.1	0.0	132.1	4	
7	22	-389	87	-774	0	-166	-18	7.2	55.9	65.7	0.0	114.0	4	
8	22	-396	54	-710	0	-167	-11	7.4	51.0	60.2	0.0	104.5	4	
1A	43	-286	-361	48	0	85	-1	5.3	22.4	13.5	0.0	34.8	3	
1B	43	-286	370	48	0	85	1	5.3	22.9	13.9	0.0	35.2	3	
1C	43	-286	-361	-277	0	-51	-1	5.3	13.6	23.5	0.0	46.2	3	
1D	43	-286	370	-277	0	-51	1	5.3	14.1	23.5	0.0	46.5	3	
1E	43	232	-361	48	0	85	-1	4.3	22.4	13.5	0.0	34.1	3	
1F	43	232	370	48	0	85	1	4.3	22.9	13.9	0.0	34.5	3	
1G	43	232	-361	-277	0	-51	-1	4.3	13.6	23.5	0.0	45.9	3	
1H	43	232	370	-277	0	-51	1	4.3	14.1	23.5	0.0	46.2	3	
1I	43	-489	-316	87	0	157	1	9.1	41.4	11.9	0.0	50.9	3	
1J	43	-489	325	87	0	157	-1	9.1	40.9	12.2	0.0	51.2	3	
1K	43	-489	-316	-316	0	-123	1	9.1	32.6	26.8	0.0	59.2	3	
1L	43	-489	325	-316	0	-123	-1	9.1	32.1	26.8	0.0	59.4	3	
1M	43	435	-316	87	0	157	1	8.1	41.4	11.9	0.0	50.1	3	

1N	43	435	325	87	0	157	-1	8.1	40.9	12.2	0.0	50.3	3
1O	43	435	-316	-316	0	-123	1	8.1	32.6	26.8	0.0	58.6	3
1P	43	435	325	-316	0	-123	-1	8.1	32.1	26.8	0.0	58.8	3
2	43	-448	82	-873	0	-8	1	8.3	3.1	74.0	0.0	128.4	4
7	43	-378	87	-757	0	-1	1	7.0	1.0	64.2	0.0	111.4	4
8	43	-385	54	-685	0	-17	1	7.1	5.1	58.1	0.0	100.8	4

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-304	80	93	9	9	6	1.00	1.00	95.8	
1B	-304	80	94	9	9	6	1.00	1.00	97.0	
1C	-304	103	93	9	9	6	1.00	1.00	101.6	
1D	-304	103	94	9	9	6	1.00	1.00	102.8	
1E	232	80	93	9	9	6	1.00	1.00	94.5	
1F	232	80	94	9	9	6	1.00	1.00	95.7	
1G	232	103	93	9	9	6	1.00	1.00	100.3	
1H	232	103	94	9	9	6	1.00	1.00	101.5	
1I	-507	167	83	9	9	6	1.00	1.00	114.3	
1J	-507	167	84	9	9	6	1.00	1.00	115.5	
1K	-507	192	83	9	9	6	1.00	1.00	120.7	
1L	-507	192	84	9	9	6	1.00	1.00	121.9	
1M	435	167	83	9	9	6	1.00	1.00	112.9	
1N	435	167	84	9	9	6	1.00	1.00	114.2	
1O	435	192	83	9	9	6	1.00	1.00	119.4	
1P	435	192	84	9	9	6	1.00	1.00	120.6	
2	-471	240	20	9	9	6	1.00	1.00	85.4	
7	-401	201	22	9	9	6	1.00	1.00	75.3	
8	-408	200	13	9	9	6	1.00	1.00	68.8	

ASTA NUM. 522 NI 721 NF 37 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1349	-279	-413	0	-458	119	25.1	207.1	35.0	0.0	232.2	1	
1B	0	-1349	282	-413	0	-458	-120	25.1	207.7	35.0	0.0	232.8	1	
1C	0	-1349	-279	-1189	0	-996	119	25.1	345.4	100.8	0.0	370.5	1	
1D	0	-1349	282	-1189	0	-996	-120	25.1	346.0	100.8	0.0	371.1	1	
1E	0	-649	-279	-413	0	-458	119	12.1	207.1	35.0	0.0	219.2	1	
1F	0	-649	282	-413	0	-458	-120	12.1	207.7	35.0	0.0	219.8	1	
1G	0	-649	-279	-1189	0	-996	119	12.1	345.4	100.8	0.0	357.5	1	
1H	0	-649	282	-1189	0	-996	-120	12.1	346.0	100.8	0.0	358.1	1	
1I	0	-1469	-261	-579	0	-423	113	27.3	193.1	49.1	0.0	220.4	1	
1J	0	-1469	264	-579	0	-423	-113	27.3	193.7	49.1	0.0	221.0	1	
1K	0	-1469	-261	-1023	0	-1031	113	27.3	349.7	86.7	0.0	377.0	1	
1L	0	-1469	264	-1023	0	-1031	-113	27.3	350.2	86.7	0.0	377.5	1	
1M	0	-529	-261	-579	0	-423	113	9.8	193.1	49.1	0.0	203.0	1	
1N	0	-529	264	-579	0	-423	-113	9.8	193.7	49.1	0.0	203.5	1	
1O	0	-529	-261	-1023	0	-1031	113	9.8	349.7	86.7	0.0	359.5	1	
1P	0	-529	264	-1023	0	-1031	-113	9.8	350.2	86.7	0.0	360.1	1	
2	0	-5008	56	-4367	0	-3770	-23	93.1	987.3	370.3	0.0	1116.5	3	
7	0	-3965	63	-3505	0	-2990	-26	73.7	788.9	297.2	0.0	888.3	3	
8	0	-3932	36	-3408	0	-2952	-15	73.1	770.5	289.0	0.0	873.6	3	
1A	22	-1340	-279	-413	0	-358	59	24.9	136.1	35.0	0.0	161.1	1	
1B	22	-1340	282	-413	0	-358	-59	24.9	136.2	35.0	0.0	161.1	1	
1C	22	-1340	-279	-1189	0	-752	59	24.9	237.6	100.8	0.0	262.5	1	
1D	22	-1340	282	-1189	0	-752	-59	24.9	237.6	100.8	0.0	262.5	1	
1E	22	-640	-279	-413	0	-358	59	11.9	136.1	35.0	0.0	148.0	1	
1F	22	-640	282	-413	0	-358	-59	11.9	136.2	35.0	0.0	148.1	1	
1G	22	-640	-279	-1189	0	-752	59	11.9	237.6	100.8	0.0	249.4	1	
1H	22	-640	282	-1189	0	-752	-59	11.9	237.6	100.8	0.0	249.5	1	
1I	22	-1460	-261	-579	0	-290	57	27.1	117.3	49.1	0.0	144.4	1	
1J	22	-1460	264	-579	0	-290	-57	27.1	117.4	49.1	0.0	144.5	1	
1K	22	-1460	-261	-1023	0	-820	57	27.1	253.7	86.7	0.0	280.9	1	
1L	22	-1460	264	-1023	0	-820	-57	27.1	253.8	86.7	0.0	280.9	1	
1M	22	-520	-261	-579	0	-290	57	9.7	117.3	49.1	0.0	127.0	1	
1N	22	-520	264	-579	0	-290	-57	9.7	117.4	49.1	0.0	127.0	1	
1O	22	-520	-261	-1023	0	-820	57	9.7	253.7	86.7	0.0	263.4	1	
1P	22	-520	264	-1023	0	-820	-57	9.7	253.8	86.7	0.0	263.4	1	
2	22	-4996	56	-4367	0	-2832	-11	92.9	736.7	370.3	0.0	936.5	3	
7	22	-3954	63	-3505	0	-2236	-13	73.5	584.9	297.2	0.0	744.3	3	
8	22	-3920	36	-3408	0	-2219	-7	72.9	576.1	289.0	0.0	732.8	3	
1A	43	-1331	-279	-413	0	-258	-1	24.7	67.4	35.0	0.0	101.3	3	
1B	43	-1331	282	-413	0	-258	2	24.7	67.8	35.0	0.0	101.4	3	
1C	43	-1331	-279	-1189	0	-508	-1	24.7	131.9	100.8	0.0	210.4	3	
1D	43	-1331	282	-1189	0	-508	2	24.7	132.3	100.8	0.0	210.5	3	
1E	43	-631	-279	-413	0	-258	-1	11.7	67.4	35.0	0.0	90.8	3	
1F	43	-631	282	-413	0	-258	2	11.7	67.8	35.0	0.0	90.9	3	
1G	43	-631	-279	-1189	0	-508	-1	11.7	131.9	100.8	0.0	201.9	3	
1H	43	-631	282	-1189	0	-508	2	11.7	132.3	100.8	0.0	201.9	3	
1I	43	-1451	-261	-579	0	-157	1	27.0	41.5	49.1	0.0	99.6	3	
1J	43	-1451	264	-579	0	-157	-1	27.0	41.0	49.1	0.0	99.6	3	
1K	43	-1451	-261	-1023	0	-609	1	27.0	157.8	86.7	0.0	214.2	3	
1L	43	-1451	264	-1023	0	-609	-1	27.0	157.3	86.7	0.0	214.2	3	
1M	43	-511	-261	-579	0	-157	1	9.5	41.5	49.1	0.0	89.6	3	
1N	43	-511	264	-579	0	-157	-1	9.5	41.0	49.1	0.0	89.6	3	

1O	43	-511	-261	-1023	0	-609	1	9.5	157.8	86.7	0.0	200.9	3
1P	43	-511	264	-1023	0	-609	-1	9.5	157.3	86.7	0.0	200.9	3
2	43	-4985	56	-4367	0	-1893	1	92.7	488.0	370.3	0.0	775.4	3
7	43	-3942	63	-3505	0	-1483	1	73.3	382.3	297.2	0.0	615.9	3
8	43	-3908	36	-3408	0	-1486	1	72.6	383.1	289.0	0.0	606.7	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1349	378	71	9	9	6	1.00	1.00	175.4	
1B	-1349	378	71	9	9	6	1.00	1.00	175.6	
1C	-1349	801	71	9	9	6	1.00	1.00	284.2	
1D	-1349	801	71	9	9	6	1.00	1.00	284.4	
1E	-649	378	71	9	9	6	1.00	1.00	162.4	
1F	-649	378	71	9	9	6	1.00	1.00	162.6	
1G	-649	801	71	9	9	6	1.00	1.00	271.2	
1H	-649	801	71	9	9	6	1.00	1.00	271.4	
1I	-1469	317	68	9	9	6	1.00	1.00	159.8	
1J	-1469	317	68	9	9	6	1.00	1.00	159.9	
1K	-1469	862	68	9	9	6	1.00	1.00	300.2	
1L	-1469	862	68	9	9	6	1.00	1.00	300.4	
1M	-529	317	68	9	9	6	1.00	1.00	142.3	
1N	-529	317	68	9	9	6	1.00	1.00	142.5	
1O	-529	862	68	9	9	6	1.00	1.00	282.8	
1P	-529	862	68	9	9	6	1.00	1.00	282.9	
2	-5008	3019	13	9	9	6	1.00	1.00	880.3	
7	-3965	2387	15	9	9	6	1.00	1.00	699.6	
8	-3932	2366	8	9	9	6	1.00	1.00	688.3	

ASTA NUM. 523 NI 392 NF 77 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1601	-213	-622	0	-534	90	29.8	204.9	52.7	0.0	234.6	1	
1B	0	-1601	220	-622	0	-534	-93	29.8	206.9	52.7	0.0	236.7	1	
1C	0	-1601	-213	-1422	0	-1206	90	29.8	377.9	120.6	0.0	407.7	1	
1D	0	-1601	220	-1422	0	-1206	-93	29.8	380.0	120.6	0.0	409.7	1	
1E	0	-711	-213	-622	0	-534	90	13.2	204.9	52.7	0.0	218.1	1	
1F	0	-711	220	-622	0	-534	-93	13.2	206.9	52.7	0.0	220.1	1	
1G	0	-711	-213	-1422	0	-1206	90	13.2	377.9	120.6	0.0	391.1	1	
1H	0	-711	220	-1422	0	-1206	-93	13.2	380.0	120.6	0.0	393.2	1	
1I	0	-2223	-224	-177	0	-82	96	41.3	92.8	15.0	0.0	134.1	1	
1J	0	-2223	230	-177	0	-82	-99	41.3	94.9	15.0	0.0	136.2	1	
1K	0	-2223	-224	-1867	0	-1658	96	41.3	498.4	158.3	0.0	539.7	1	
1L	0	-2223	230	-1867	0	-1658	-99	41.3	500.5	158.3	0.0	541.8	1	
1M	0	-89	-224	-177	0	-82	96	1.7	92.8	15.0	0.0	94.5	1	
1N	0	-89	230	-177	0	-82	-99	1.7	94.9	15.0	0.0	96.5	1	
1O	0	-89	-224	-1867	0	-1658	96	1.7	498.4	158.3	0.0	500.0	1	
1P	0	-89	230	-1867	0	-1658	-99	1.7	500.5	158.3	0.0	502.1	1	
2	0	-6019	57	-5712	0	-4655	-25	111.9	1216.2	484.3	0.0	1397.5	3	
7	0	-4807	58	-4663	0	-3734	-25	89.3	979.6	395.4	0.0	1126.4	3	
8	0	-4687	38	-4409	0	-3613	-16	87.1	941.9	373.8	0.0	1083.2	3	
1A	22	-1592	-213	-622	0	-398	44	29.6	135.6	52.7	0.0	165.1	1	
1B	22	-1592	220	-622	0	-398	-46	29.6	136.6	52.7	0.0	166.2	1	
1C	22	-1592	-213	-1422	0	-903	44	29.6	265.5	120.6	0.0	302.0	3	
1D	22	-1592	220	-1422	0	-903	-46	29.6	266.5	120.6	0.0	302.0	3	
1E	22	-702	-213	-622	0	-398	44	13.1	135.6	52.7	0.0	148.6	1	
1F	22	-702	220	-622	0	-398	-46	13.1	136.6	52.7	0.0	149.7	1	
1G	22	-702	-213	-1422	0	-903	44	13.1	265.5	120.6	0.0	289.1	3	
1H	22	-702	220	-1422	0	-903	-46	13.1	266.5	120.6	0.0	289.2	3	
1I	22	-2214	-224	-177	0	-42	48	41.2	46.5	15.0	0.0	87.6	1	
1J	22	-2214	230	-177	0	-42	-49	41.2	47.5	15.0	0.0	88.7	1	
1K	22	-2214	-224	-1867	0	-1258	48	41.2	359.4	158.3	0.0	411.5	3	
1L	22	-2214	230	-1867	0	-1258	-49	41.2	360.5	158.3	0.0	411.5	3	
1M	22	-80	-224	-177	0	-42	48	1.5	46.5	15.0	0.0	48.0	1	
1N	22	-80	230	-177	0	-42	-49	1.5	47.5	15.0	0.0	49.0	1	
1O	22	-80	-224	-1867	0	-1258	48	1.5	359.4	158.3	0.0	380.2	3	
1P	22	-80	230	-1867	0	-1258	-49	1.5	360.5	158.3	0.0	380.2	3	
2	22	-6008	57	-5712	0	-3427	-12	111.7	891.1	484.3	0.0	1167.2	3	
7	22	-4796	58	-4663	0	-2732	-13	89.1	712.3	395.4	0.0	939.7	3	
8	22	-4675	38	-4409	0	-2665	-8	86.9	691.9	373.8	0.0	905.0	3	
1A	43	-1583	-213	-622	0	-262	-2	29.4	68.6	52.7	0.0	121.6	3	
1B	43	-1583	220	-622	0	-262	2	29.4	68.6	52.7	0.0	121.6	3	
1C	43	-1583	-213	-1422	0	-599	-2	29.4	155.3	120.6	0.0	249.7	3	
1D	43	-1583	220	-1422	0	-599	2	29.4	155.3	120.6	0.0	249.7	3	
1E	43	-693	-213	-622	0	-262	-2	12.9	68.6	52.7	0.0	109.9	3	
1F	43	-693	220	-622	0	-262	2	12.9	68.6	52.7	0.0	110.0	3	
1G	43	-693	-213	-1422	0	-599	-2	12.9	155.3	120.6	0.0	238.9	3	
1H	43	-693	220	-1422	0	-599	2	12.9	155.3	120.6	0.0	238.9	3	
1I	43	-2205	-224	-177	0	-2	-1	41.0	1.1	15.0	0.0	49.7	3	
1J	43	-2205	230	-177	0	-2	1	41.0	1.1	15.0	0.0	49.8	3	
1K	43	-2205	-224	-1867	0	-859	-1	41.0	221.4	158.3	0.0	340.6	3	
1L	43	-2205	230	-1867	0	-859	1	41.0	221.4	158.3	0.0	340.6	3	
1M	43	-71	-224	-177	0	-2	-1	1.3	1.1	15.0	0.0	27.3	3	
1N	43	-71	230	-177	0	-2	1	1.3	1.1	15.0	0.0	27.5	3	
1O	43	-71	-224	-1867	0	-859	-1	1.3	221.4	158.3	0.0	314.1	3	

1P	43	-71	230	-1867	0	-859	1	1.3	221.4	158.3	0.0	314.1	3
2	43	-5996	57	-5712	0	-2199	-0	111.4	565.9	484.3	0.0	965.5	3
7	43	-4784	58	-4663	0	-1729	-0	88.9	445.0	395.4	0.0	777.3	3
8	43	-4663	38	-4409	0	-1717	-0	86.7	441.9	373.8	0.0	748.6	3

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1601	425	54	9	9	6	1.00	1.00	179.2	
1B	-1601	425	55	9	9	6	1.00	1.00	180.4	
1C	-1601	963	54	9	9	6	1.00	1.00	317.7	
1D	-1601	963	55	9	9	6	1.00	1.00	319.0	
1E	-711	425	54	9	9	6	1.00	1.00	162.7	
1F	-711	425	55	9	9	6	1.00	1.00	163.9	
1G	-711	963	54	9	9	6	1.00	1.00	301.2	
1H	-711	963	55	9	9	6	1.00	1.00	302.4	
1I	-2223	50	57	9	9	6	1.00	1.00	97.1	
1J	-2223	50	59	9	9	6	1.00	1.00	98.3	
1K	-2223	1338	57	9	9	6	1.00	1.00	428.6	
1L	-2223	1338	59	9	9	6	1.00	1.00	429.9	
1M	-89	50	57	9	9	6	1.00	1.00	57.4	
1N	-89	50	59	9	9	6	1.00	1.00	58.7	
1O	-89	1338	57	9	9	6	1.00	1.00	388.9	
1P	-89	1338	59	9	9	6	1.00	1.00	390.1	
2	-6019	3673	15	9	9	6	1.00	1.00	1068.5	
7	-4807	2932	15	9	9	6	1.00	1.00	855.4	
8	-4687	2855	10	9	9	6	1.00	1.00	829.3	

ASTA NUM. 524 NI 394 NF 117 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1224	-291	1091	0	423	124	22.8	201.6	92.5	0.0	224.4	1	
1B	0	-1224	294	1091	0	423	-126	22.8	203.2	92.5	0.0	226.0	1	
1C	0	-1224	-291	-614	0	-794	124	22.8	297.1	52.1	0.0	319.9	1	
1D	0	-1224	294	-614	0	-794	-126	22.8	298.7	52.1	0.0	321.5	1	
1E	0	369	-291	1091	0	423	124	6.9	201.6	92.5	0.0	208.5	1	
1F	0	369	294	1091	0	423	-126	6.9	203.2	92.5	0.0	210.1	1	
1G	0	369	-291	-614	0	-794	124	6.9	297.1	52.1	0.0	304.0	1	
1H	0	369	294	-614	0	-794	-126	6.9	298.7	52.1	0.0	305.6	1	
1I	0	-2343	-259	2542	0	1387	111	43.5	440.0	215.5	0.0	492.9	3	
1J	0	-2343	262	2542	0	1387	-113	43.5	441.5	215.5	0.0	492.9	3	
1K	0	-2343	-259	-2065	0	-1758	111	43.5	535.4	175.1	0.0	579.0	1	
1L	0	-2343	262	-2065	0	-1758	-113	43.5	537.0	175.1	0.0	580.6	1	
1M	0	1488	-259	2542	0	1387	111	27.7	440.0	215.5	0.0	481.2	3	
1N	0	1488	262	2542	0	1387	-113	27.7	441.5	215.5	0.0	481.2	3	
1O	0	1488	-259	-2065	0	-1758	111	27.7	535.4	175.1	0.0	563.1	1	
1P	0	1488	262	-2065	0	-1758	-113	27.7	537.0	175.1	0.0	564.7	1	
2	0	-2375	68	-328	0	-1430	-32	44.1	391.6	27.8	0.0	435.7	1	
7	0	-1968	67	-331	0	-1193	-31	36.6	329.8	28.0	0.0	366.4	1	
8	0	-1844	45	-148	0	-1084	-21	34.3	294.7	12.6	0.0	329.0	1	
1A	22	-1215	-291	1091	0	213	61	22.6	100.5	92.5	0.0	162.0	4	
1B	22	-1215	294	1091	0	213	-63	22.6	101.7	92.5	0.0	162.0	4	
1C	22	-1215	-291	-614	0	-687	61	22.6	222.4	52.1	0.0	244.9	1	
1D	22	-1215	294	-614	0	-687	-63	22.6	223.5	52.1	0.0	246.1	1	
1E	22	378	-291	1091	0	213	61	7.0	100.5	92.5	0.0	160.4	4	
1F	22	378	294	1091	0	213	-63	7.0	101.7	92.5	0.0	160.4	4	
1G	22	378	-291	-614	0	-687	61	7.0	222.4	52.1	0.0	229.4	1	
1H	22	378	294	-614	0	-687	-63	7.0	223.5	52.1	0.0	230.5	1	
1I	22	-2334	-259	2542	0	849	56	43.4	260.1	215.5	0.0	408.6	3	
1J	22	-2334	262	2542	0	849	-57	43.4	261.3	215.5	0.0	408.6	3	
1K	22	-2334	-259	-2065	0	-1322	56	43.4	382.0	175.1	0.0	440.6	3	
1L	22	-2334	262	-2065	0	-1322	-57	43.4	383.1	175.1	0.0	440.7	3	
1M	22	1497	-259	2542	0	849	56	27.8	260.1	215.5	0.0	399.7	3	
1N	22	1497	262	2542	0	849	-57	27.8	261.3	215.5	0.0	399.7	3	
1O	22	1497	-259	-2065	0	-1322	56	27.8	382.0	175.1	0.0	428.4	3	
1P	22	1497	262	-2065	0	-1322	-57	27.8	383.1	175.1	0.0	428.4	3	
2	22	-2364	68	-328	0	-1360	-17	43.9	362.5	27.8	0.0	406.4	1	
7	22	-1956	67	-331	0	-1122	-16	36.4	300.7	28.0	0.0	337.0	1	
8	22	-1832	45	-148	0	-1052	-11	34.1	279.2	12.6	0.0	313.3	1	
1A	43	-1206	-291	1091	0	3	-2	22.4	2.0	92.5	0.0	161.8	4	
1B	43	-1206	294	1091	0	3	1	22.4	1.4	92.5	0.0	161.8	4	
1C	43	-1206	-291	-614	0	-579	-2	22.4	150.2	52.1	0.0	176.0	3	
1D	43	-1206	294	-614	0	-579	1	22.4	149.6	52.1	0.0	176.0	3	
1E	43	387	-291	1091	0	3	-2	7.2	2.0	92.5	0.0	160.4	4	
1F	43	387	294	1091	0	3	1	7.2	1.4	92.5	0.0	160.4	4	
1G	43	387	-291	-614	0	-579	-2	7.2	150.2	52.1	0.0	162.7	3	
1H	43	387	294	-614	0	-579	1	7.2	149.6	52.1	0.0	162.7	3	
1I	43	-2325	-259	2542	0	311	1	43.2	80.3	215.5	0.0	375.8	4	
1J	43	-2325	262	2542	0	311	-1	43.2	81.0	215.5	0.0	375.8	4	
1K	43	-2325	-259	-2065	0	-887	1	43.2	228.5	175.1	0.0	365.3	3	
1L	43	-2325	262	-2065	0	-887	-1	43.2	229.2	175.1	0.0	365.3	3	
1M	43	1506	-259	2542	0	311	1	28.0	80.3	215.5	0.0	374.3	4	
1N	43	1506	262	2542	0	311	-1	28.0	81.0	215.5	0.0	374.3	4	
1O	43	1506	-259	-2065	0	-887	1	28.0	228.5	175.1	0.0	355.1	3	
1P	43	1506	262	-2065	0	-887	-1	28.0	229.2	175.1	0.0	355.2	3	

2	43	-2352	68	-328	0	-1289	-2	43.7	333.3	27.8	0.0	377.1	1
7	43	-1944	67	-331	0	-1050	-2	36.1	271.5	28.0	0.0	307.6	1
8	43	-1820	45	-148	0	-1020	-2	33.8	263.7	12.6	0.0	297.6	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1224	255	74	9	9	6	1.00	1.00	143.5	
1B	-1224	255	75	9	9	6	1.00	1.00	144.7	
1C	-1224	708	74	9	9	6	1.00	1.00	260.1	
1D	-1224	708	75	9	9	6	1.00	1.00	261.3	
1E	387	255	74	9	9	6	1.00	1.00	127.9	
1F	387	255	75	9	9	6	1.00	1.00	129.2	
1G	387	708	74	9	9	6	1.00	1.00	244.5	
1H	387	708	75	9	9	6	1.00	1.00	245.7	
1I	-2343	956	67	9	9	6	1.00	1.00	339.7	
1J	-2343	956	68	9	9	6	1.00	1.00	340.9	
1K	-2343	1409	67	9	9	6	1.00	1.00	456.3	
1L	-2343	1409	68	9	9	6	1.00	1.00	457.5	
1M	1506	956	67	9	9	6	1.00	1.00	324.1	
1N	1506	956	68	9	9	6	1.00	1.00	325.3	
1O	1506	1409	67	9	9	6	1.00	1.00	440.6	
1P	1506	1409	68	9	9	6	1.00	1.00	441.9	
2	-2375	1374	20	9	9	6	1.00	1.00	412.5	
7	-1968	1136	19	9	9	6	1.00	1.00	343.1	
8	-1844	1058	13	9	9	6	1.00	1.00	316.6	

ASTA NUM. 525 NI 396 NF 157 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-239	-257	-134	0	-43	109	4.4	92.9	11.4	0.0	97.4	1	
1B	0	-239	226	-134	0	-43	-97	4.4	83.4	11.4	0.0	87.9	1	
1C	0	-239	-257	-375	0	-174	109	4.4	126.7	31.8	0.0	131.1	1	
1D	0	-239	226	-375	0	-174	-97	4.4	117.1	31.8	0.0	121.6	1	
1E	0	-15	-257	-134	0	-43	109	0.3	92.9	11.4	0.0	93.2	1	
1F	0	-15	226	-134	0	-43	-97	0.3	83.4	11.4	0.0	83.7	1	
1G	0	-15	-257	-375	0	-174	109	0.3	126.7	31.8	0.0	126.9	1	
1H	0	-15	226	-375	0	-174	-97	0.3	117.1	31.8	0.0	117.4	1	
1I	0	-348	-236	-69	0	8	100	6.5	76.6	8.9	0.0	83.1	1	
1J	0	-348	205	-69	0	8	-87	6.5	67.1	7.7	0.0	73.6	1	
1K	0	-348	-236	-441	0	-225	100	6.5	132.5	37.4	0.0	138.9	1	
1L	0	-348	205	-441	0	-225	-87	6.5	123.0	37.4	0.0	129.4	1	
1M	0	95	-236	-69	0	8	100	1.8	76.6	8.9	0.0	78.4	1	
1N	0	95	205	-69	0	8	-87	1.8	67.1	7.7	0.0	68.9	1	
1O	0	95	-236	-441	0	-225	100	1.8	132.5	37.4	0.0	134.2	1	
1P	0	95	205	-441	0	-225	-87	1.8	123.0	37.4	0.0	124.7	1	
2	0	-128	-1	-398	0	-141	0	2.4	36.7	33.7	0.0	62.4	3	
7	0	-131	1	-406	0	-145	-0	2.4	37.5	34.4	0.0	63.7	3	
8	0	-139	-8	-377	0	-141	3	2.6	38.8	32.0	0.0	60.3	3	
1A	22	-230	-257	-134	0	-10	54	4.3	42.8	11.4	0.0	47.0	1	
1B	22	-230	226	-134	0	-10	-48	4.3	38.2	11.4	0.0	42.5	1	
1C	22	-230	-257	-375	0	-98	54	4.3	65.5	31.8	0.0	69.8	1	
1D	22	-230	226	-375	0	-98	-48	4.3	61.0	31.8	0.0	65.2	1	
1E	22	-5	-257	-134	0	-10	54	0.1	42.8	11.4	0.0	42.9	1	
1F	22	-5	226	-134	0	-10	-48	0.1	38.2	11.4	0.0	38.3	1	
1G	22	-5	-257	-375	0	-98	54	0.1	65.5	31.8	0.0	65.6	1	
1H	22	-5	226	-375	0	-98	-48	0.1	61.0	31.8	0.0	61.1	1	
1I	22	-339	-236	-69	0	24	49	6.3	42.7	8.9	0.0	49.0	1	
1J	22	-339	205	-69	0	24	-43	6.3	38.2	7.7	0.0	44.5	1	
1K	22	-339	-236	-441	0	-132	49	6.3	70.3	37.4	0.0	76.6	1	
1L	22	-339	205	-441	0	-132	-43	6.3	65.8	37.4	0.0	72.1	1	
1M	22	104	-236	-69	0	24	49	1.9	42.7	8.9	0.0	44.6	1	
1N	22	104	205	-69	0	24	-43	1.9	38.2	7.7	0.0	40.1	1	
1O	22	104	-236	-441	0	-132	49	1.9	70.3	37.4	0.0	72.3	1	
1P	22	104	205	-441	0	-132	-43	1.9	65.8	37.4	0.0	67.7	1	
2	22	-116	-1	-398	0	-56	0	2.2	14.6	33.7	0.0	58.4	4	
7	22	-119	1	-406	0	-57	-0	2.2	14.9	34.4	0.0	59.6	4	
8	22	-127	-8	-377	0	-60	2	2.4	16.6	32.0	0.0	55.5	4	
1A	43	-221	-257	-134	0	24	-2	4.1	7.4	11.4	0.0	26.0	3	
1B	43	-221	226	-134	0	24	1	4.1	7.0	11.4	0.0	24.8	3	
1C	43	-221	-257	-375	0	-22	-2	4.1	6.8	31.8	0.0	55.3	4	
1D	43	-221	226	-375	0	-22	1	4.1	6.4	31.8	0.0	55.3	4	
1E	43	4	-257	-134	0	24	-2	0.1	7.4	11.4	0.0	24.8	3	
1F	43	4	226	-134	0	24	1	0.1	7.0	11.4	0.0	23.5	3	
1G	43	4	-257	-375	0	-22	-2	0.1	6.8	31.8	0.0	55.1	4	
1H	43	4	226	-375	0	-22	1	0.1	6.4	31.8	0.0	55.1	4	
1I	43	-330	-236	-69	0	41	-2	6.1	12.1	8.9	0.0	23.6	3	
1J	43	-330	205	-69	0	41	2	6.1	11.7	7.7	0.0	22.3	3	
1K	43	-330	-236	-441	0	-38	-2	6.1	11.6	37.4	0.0	65.1	4	
1L	43	-330	205	-441	0	-38	2	6.1	11.1	37.4	0.0	65.1	4	
1M	43	113	-236	-69	0	41	-2	2.1	12.1	8.9	0.0	21.2	3	
1N	43	113	205	-69	0	41	2	2.1	11.7	7.7	0.0	19.7	3	
1O	43	113	-236	-441	0	-38	-2	2.1	11.6	37.4	0.0	64.8	4	
1P	43	113	205	-441	0	-38	2	2.1	11.1	37.4	0.0	64.8	4	
2	43	-105	-1	-398	0	30	0	1.9	7.7	33.7	0.0	58.4	4	

7	43	-107	1	-406	0	30	0	2.0	7.8	34.4	0.0	59.6	4
8	43	-115	-8	-377	0	21	-0	2.1	5.5	32.0	0.0	55.5	4

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-239	17	65	9	9	6	1.00	1.00	57.5	
1B	-239	17	58	9	9	6	1.00	1.00	52.0	
1C	-239	113	65	9	9	6	1.00	1.00	82.2	
1D	-239	113	58	9	9	6	1.00	1.00	76.7	
1E	-15	17	65	9	9	6	1.00	1.00	53.3	
1F	-15	17	58	9	9	6	1.00	1.00	47.8	
1G	-15	113	65	9	9	6	1.00	1.00	78.0	
1H	-15	113	58	9	9	6	1.00	1.00	72.5	
1I	-348	28	59	9	9	6	1.00	1.00	57.6	
1J	-348	28	51	9	9	6	1.00	1.00	52.1	
1K	-348	150	59	9	9	6	1.00	1.00	89.2	
1L	-348	150	51	9	9	6	1.00	1.00	83.7	
1M	113	28	59	9	9	6	1.00	1.00	53.3	
1N	113	28	51	9	9	6	1.00	1.00	47.7	
1O	113	150	59	9	9	6	1.00	1.00	84.9	
1P	113	150	51	9	9	6	1.00	1.00	79.3	
2	-128	73	0	9	9	6	1.00	1.00	21.4	
7	-131	75	0	9	9	6	1.00	1.00	21.8	
8	-139	76	2	9	9	6	1.00	1.00	23.6	

ASTA NUM. 526 NI 397 NF 867 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2606	-536	138	0	-28	2	48.4	8.4	20.1	0.0	67.5	3	
1B	0	-2606	424	138	0	-28	-87	48.4	72.4	15.9	0.0	120.8	1	
1C	0	-2606	-536	-255	0	-138	2	48.4	36.7	21.6	0.0	93.6	3	
1D	0	-2606	424	-255	0	-138	-87	48.4	100.8	21.6	0.0	149.2	1	
1E	0	-804	-536	138	0	-28	2	14.9	8.4	20.1	0.0	44.7	3	
1F	0	-804	424	138	0	-28	-87	14.9	72.4	15.9	0.0	87.3	1	
1G	0	-804	-536	-255	0	-138	2	14.9	36.7	21.6	0.0	67.1	3	
1H	0	-804	424	-255	0	-138	-87	14.9	100.8	21.6	0.0	115.7	1	
1I	0	-3308	-487	163	0	-9	48	61.5	38.2	18.3	0.0	99.7	1	
1J	0	-3308	375	163	0	-9	-133	61.5	102.3	14.1	0.0	163.8	1	
1K	0	-3308	-487	-280	0	-157	48	61.5	76.3	23.8	0.0	137.8	1	
1L	0	-3308	375	-280	0	-157	-133	61.5	140.4	23.8	0.0	201.8	1	
1M	0	-102	-487	163	0	-9	48	1.9	38.2	18.3	0.0	40.1	1	
1N	0	-102	375	163	0	-9	-133	1.9	102.3	14.1	0.0	104.1	1	
1O	0	-102	-487	-280	0	-157	48	1.9	76.3	23.8	0.0	78.2	1	
1P	0	-102	375	-280	0	-157	-133	1.9	140.4	23.8	0.0	142.2	1	
2	0	-2012	-86	-103	0	-98	-50	37.4	62.6	8.7	0.0	100.0	1	
7	0	-2002	-84	-106	0	-99	-50	37.2	62.6	9.0	0.0	99.8	1	
8	0	-2076	-83	-93	0	-101	-52	38.6	64.9	7.9	0.0	103.4	1	
1A	22	-2597	-536	138	0	-79	84	48.3	83.7	20.1	0.0	131.9	1	
1B	22	-2597	424	138	0	-79	-194	48.3	165.7	15.9	0.0	214.0	1	
1C	22	-2597	-536	-255	0	-62	84	48.3	79.2	21.6	0.0	127.4	1	
1D	22	-2597	424	-255	0	-62	-194	48.3	161.2	21.6	0.0	209.5	1	
1E	22	-795	-536	138	0	-79	84	14.8	83.7	20.1	0.0	98.4	1	
1F	22	-795	424	138	0	-79	-194	14.8	165.7	15.9	0.0	180.5	1	
1G	22	-795	-536	-255	0	-62	84	14.8	79.2	21.6	0.0	93.9	1	
1H	22	-795	424	-255	0	-62	-194	14.8	161.2	21.6	0.0	176.0	1	
1I	22	-3299	-487	163	0	35	126	61.3	103.2	18.3	0.0	164.5	1	
1J	22	-3299	375	163	0	35	-236	61.3	185.3	14.1	0.0	246.6	1	
1K	22	-3299	-487	-280	0	-176	126	61.3	139.5	23.8	0.0	200.8	1	
1L	22	-3299	375	-280	0	-176	-236	61.3	221.6	23.8	0.0	282.9	1	
1M	22	-93	-487	163	0	35	126	1.7	103.2	18.3	0.0	104.9	1	
1N	22	-93	375	163	0	35	-236	1.7	185.3	14.1	0.0	187.0	1	
1O	22	-93	-487	-280	0	-176	126	1.7	139.5	23.8	0.0	141.2	1	
1P	22	-93	375	-280	0	-176	-236	1.7	221.6	23.8	0.0	223.3	1	
2	22	-2000	-86	-103	0	-76	-68	37.2	70.7	8.7	0.0	107.9	1	
7	22	-1990	-84	-106	0	-76	-68	37.0	70.2	9.0	0.0	107.2	1	
8	22	-2064	-83	-93	0	-81	-70	38.4	73.1	7.9	0.0	111.5	1	
1A	43	-2588	-536	138	0	-131	167	48.1	158.9	20.1	0.0	207.0	1	
1B	43	-2588	424	138	0	-131	-301	48.1	259.1	15.9	0.0	307.2	1	
1C	43	-2588	-536	-255	0	15	167	48.1	129.1	21.6	0.0	177.2	1	
1D	43	-2588	424	-255	0	15	-301	48.1	229.3	21.6	0.0	277.3	1	
1E	43	-786	-536	138	0	-131	167	14.6	158.9	20.1	0.0	173.6	1	
1F	43	-786	424	138	0	-131	-301	14.6	259.1	15.9	0.0	273.7	1	
1G	43	-786	-536	-255	0	15	167	14.6	129.1	21.6	0.0	143.7	1	
1H	43	-786	424	-255	0	15	-301	14.6	229.3	21.6	0.0	243.9	1	
1I	43	-3290	-487	163	0	78	204	61.2	172.9	18.3	0.0	234.0	1	
1J	43	-3290	375	163	0	78	-338	61.2	273.0	14.1	0.0	334.2	1	
1K	43	-3290	-487	-280	0	-194	204	61.2	202.7	23.8	0.0	263.9	1	
1L	43	-3290	375	-280	0	-194	-338	61.2	302.8	23.8	0.0	364.0	1	
1M	43	-84	-487	163	0	78	204	1.6	172.9	18.3	0.0	174.4	1	
1N	43	-84	375	163	0	78	-338	1.6	273.0	14.1	0.0	274.6	1	
1O	43	-84	-487	-280	0	-194	204	1.6	202.7	23.8	0.0	204.3	1	
1P	43	-84	375	-280	0	-194	-338	1.6	302.8	23.8	0.0	304.4	1	
2	43	-1988	-86	-103	0	-54	-87	37.0	78.8	8.7	0.0	115.7	1	
7	43	-1979	-84	-106	0	-54	-86	36.8	77.8	9.0	0.0	114.6	1	

8	43	-2052	-83	-93	0	-60	-88	38.1	81.3	7.9	0.0	119.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2606	90	101	9	9	6	1.00	1.00	147.2	
1B	-2606	90	216	9	9	6	1.00	1.00	232.9	
1C	-2606	77	101	9	9	6	1.00	1.00	144.0	
1D	-2606	77	216	9	9	6	1.00	1.00	229.7	
1E	-804	90	101	9	9	6	1.00	1.00	113.7	
1F	-804	90	216	9	9	6	1.00	1.00	199.4	
1G	-804	77	101	9	9	6	1.00	1.00	110.5	
1H	-804	77	216	9	9	6	1.00	1.00	196.2	
1I	-3308	43	142	9	9	6	1.00	1.00	178.6	
1J	-3308	43	256	9	9	6	1.00	1.00	264.4	
1K	-3308	179	142	9	9	6	1.00	1.00	213.7	
1L	-3308	179	256	9	9	6	1.00	1.00	299.4	
1M	-102	43	142	9	9	6	1.00	1.00	119.0	
1N	-102	43	256	9	9	6	1.00	1.00	204.7	
1O	-102	179	142	9	9	6	1.00	1.00	154.0	
1P	-102	179	256	9	9	6	1.00	1.00	239.7	
2	-2012	81	72	9	9	6	1.00	1.00	112.0	
7	-2002	81	71	9	9	6	1.00	1.00	111.3	
8	-2076	85	74	9	9	6	1.00	1.00	115.4	

ASTA NUM. 527 NI 398 NF 184 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-300	-300	50	0	79	128	5.6	116.2	11.2	0.0	121.7	1	
1B	0	-300	299	50	0	79	-128	5.6	116.4	11.2	0.0	121.9	1	
1C	0	-300	-300	-323	0	-162	128	5.6	137.6	27.4	0.0	143.2	1	
1D	0	-300	299	-323	0	-162	-128	5.6	137.8	27.4	0.0	143.4	1	
1E	0	212	-300	50	0	79	128	3.9	116.2	11.2	0.0	120.1	1	
1F	0	212	299	50	0	79	-128	3.9	116.4	11.2	0.0	120.3	1	
1G	0	212	-300	-323	0	-162	128	3.9	137.6	27.4	0.0	141.5	1	
1H	0	212	299	-323	0	-162	-128	3.9	137.8	27.4	0.0	141.7	1	
1I	0	-511	-273	83	0	178	118	9.5	133.7	10.3	0.0	143.2	1	
1J	0	-511	272	83	0	178	-118	9.5	134.0	10.2	0.0	143.4	1	
1K	0	-511	-273	-356	0	-261	118	9.5	155.2	30.2	0.0	164.7	1	
1L	0	-511	272	-356	0	-261	-118	9.5	155.4	30.2	0.0	164.9	1	
1M	0	422	-273	83	0	178	118	7.9	133.7	10.3	0.0	141.6	1	
1N	0	422	272	83	0	178	-118	7.9	134.0	10.2	0.0	141.8	1	
1O	0	422	-273	-356	0	-261	118	7.9	155.2	30.2	0.0	163.0	1	
1P	0	422	272	-356	0	-261	-118	7.9	155.4	30.2	0.0	163.2	1	
2	0	-468	-58	-1000	0	-425	23	8.7	126.7	84.8	0.0	168.4	3	
7	0	-398	-64	-861	0	-362	26	7.4	112.7	73.0	0.0	144.5	3	
8	0	-406	-38	-788	0	-343	15	7.5	99.3	66.8	0.0	134.3	3	
1A	22	-291	-300	50	0	80	63	5.4	68.0	11.2	0.0	73.4	1	
1B	22	-291	299	50	0	80	-64	5.4	68.4	11.2	0.0	73.8	1	
1C	22	-291	-300	-323	0	-105	63	5.4	74.4	27.4	0.0	79.8	1	
1D	22	-291	299	-323	0	-105	-64	5.4	74.8	27.4	0.0	80.2	1	
1E	22	221	-300	50	0	80	63	4.1	68.0	11.2	0.0	72.1	1	
1F	22	221	299	50	0	80	-64	4.1	68.4	11.2	0.0	72.5	1	
1G	22	221	-300	-323	0	-105	63	4.1	74.4	27.4	0.0	78.5	1	
1H	22	221	299	-323	0	-105	-64	4.1	74.8	27.4	0.0	78.9	1	
1I	22	-502	-273	83	0	167	59	9.3	87.2	10.3	0.0	96.5	1	
1J	22	-502	272	83	0	167	-60	9.3	87.6	10.2	0.0	96.9	1	
1K	22	-502	-273	-356	0	-192	59	9.3	93.6	30.2	0.0	102.9	1	
1L	22	-502	272	-356	0	-192	-60	9.3	94.0	30.2	0.0	103.3	1	
1M	22	432	-273	83	0	167	59	8.0	87.2	10.3	0.0	95.2	1	
1N	22	432	272	83	0	167	-60	8.0	87.6	10.2	0.0	95.6	1	
1O	22	432	-273	-356	0	-192	59	8.0	93.6	30.2	0.0	101.6	1	
1P	22	432	272	-356	0	-192	-60	8.0	94.0	30.2	0.0	102.0	1	
2	22	-456	-58	-975	0	-212	11	8.5	62.7	82.7	0.0	143.5	4	
7	22	-387	-64	-844	0	-178	12	7.2	55.2	71.6	0.0	124.2	4	
8	22	-394	-38	-763	0	-176	7	7.3	50.3	64.7	0.0	112.3	4	
1A	43	-282	-300	50	0	81	-1	5.2	21.9	11.2	0.0	31.6	3	
1B	43	-282	299	50	0	81	1	5.2	21.3	11.2	0.0	31.5	3	
1C	43	-282	-300	-323	0	-47	-1	5.2	13.2	27.4	0.0	49.0	3	
1D	43	-282	299	-323	0	-47	1	5.2	12.6	27.4	0.0	48.9	3	
1E	43	230	-300	50	0	81	-1	4.3	21.9	11.2	0.0	30.8	3	
1F	43	230	299	50	0	81	1	4.3	21.3	11.2	0.0	30.8	3	
1G	43	230	-300	-323	0	-47	-1	4.3	13.2	27.4	0.0	48.7	3	
1H	43	230	299	-323	0	-47	1	4.3	12.6	27.4	0.0	48.6	3	
1I	43	-493	-273	83	0	157	0	9.2	40.7	10.3	0.0	49.9	1	
1J	43	-493	272	83	0	157	-1	9.2	41.3	10.2	0.0	50.4	1	
1K	43	-493	-273	-356	0	-123	0	9.2	32.0	30.2	0.0	62.1	3	
1L	43	-493	272	-356	0	-123	-1	9.2	32.5	30.2	0.0	62.1	3	
1M	43	441	-273	83	0	157	0	8.2	40.7	10.3	0.0	48.9	3	
1N	43	441	272	83	0	157	-1	8.2	41.3	10.2	0.0	49.5	1	
1O	43	441	-273	-356	0	-123	0	8.2	32.0	30.2	0.0	61.5	3	
1P	43	441	272	-356	0	-123	-1	8.2	32.5	30.2	0.0	61.5	3	
2	43	-444	-58	-950	0	-5	-2	8.3	2.7	80.6	0.0	139.8	4	
7	43	-375	-64	-826	0	1	-1	7.0	1.3	70.1	0.0	121.6	4	
8	43	-382	-38	-738	0	-15	-1	7.1	4.7	62.6	0.0	108.7	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-300	80	76	9	9	6	1.00	1.00	83.3	
1B	-300	80	77	9	9	6	1.00	1.00	83.7	
1C	-300	116	76	9	9	6	1.00	1.00	92.6	
1D	-300	116	77	9	9	6	1.00	1.00	93.0	
1E	230	80	76	9	9	6	1.00	1.00	82.0	
1F	230	80	77	9	9	6	1.00	1.00	82.4	
1G	230	116	76	9	9	6	1.00	1.00	91.3	
1H	230	116	77	9	9	6	1.00	1.00	91.6	
1I	-511	169	71	9	9	6	1.00	1.00	106.0	
1J	-511	169	71	9	9	6	1.00	1.00	106.4	
1K	-511	206	71	9	9	6	1.00	1.00	115.4	
1L	-511	206	71	9	9	6	1.00	1.00	115.8	
1M	441	169	71	9	9	6	1.00	1.00	104.7	
1N	441	169	71	9	9	6	1.00	1.00	105.1	
1O	441	206	71	9	9	6	1.00	1.00	114.1	
1P	441	206	71	9	9	6	1.00	1.00	114.4	
2	-468	257	13	9	9	6	1.00	1.00	84.8	
7	-398	217	15	9	9	6	1.00	1.00	74.5	
8	-406	212	8	9	9	6	1.00	1.00	68.2	

ASTA NUM. 528 NI 399 NF 204 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1334	-386	-437	0	-485	165	24.8	247.9	37.1	0.0	272.7	1	
1B	0	-1334	379	-437	0	-485	-162	24.8	246.1	37.1	0.0	270.9	1	
1C	0	-1334	-386	-1179	0	-982	165	24.8	375.9	100.0	0.0	400.7	1	
1D	0	-1334	379	-1179	0	-982	-162	24.8	374.1	100.0	0.0	398.9	1	
1E	0	-678	-386	-437	0	-485	165	12.6	247.9	37.1	0.0	260.5	1	
1F	0	-678	379	-437	0	-485	-162	12.6	246.1	37.1	0.0	258.7	1	
1G	0	-678	-386	-1179	0	-982	165	12.6	375.9	100.0	0.0	388.5	1	
1H	0	-678	379	-1179	0	-982	-162	12.6	374.1	100.0	0.0	386.7	1	
1I	0	-1435	-363	-628	0	-457	156	26.7	234.1	53.2	0.0	260.8	1	
1J	0	-1435	356	-628	0	-457	-153	26.7	232.3	53.2	0.0	259.0	1	
1K	0	-1435	-363	-989	0	-1010	156	26.7	376.4	83.8	0.0	403.0	1	
1L	0	-1435	356	-989	0	-1010	-153	26.7	374.6	83.8	0.0	401.3	1	
1M	0	-577	-363	-628	0	-457	156	10.7	234.1	53.2	0.0	244.8	1	
1N	0	-577	356	-628	0	-457	-153	10.7	232.3	53.2	0.0	243.1	1	
1O	0	-577	-363	-989	0	-1010	156	10.7	376.4	83.8	0.0	387.1	1	
1P	0	-577	356	-989	0	-1010	-153	10.7	374.6	83.8	0.0	385.3	1	
2	0	-5020	-89	-4362	0	-3781	37	93.3	1000.3	369.9	0.0	1118.8	3	
7	0	-3972	-95	-3498	0	-2997	39	73.8	800.6	296.6	0.0	889.6	3	
8	0	-3941	-59	-3406	0	-2961	24	73.3	779.7	288.8	0.0	875.6	3	
1A	22	-1325	-386	-437	0	-375	81	24.6	157.4	37.1	0.0	182.0	1	
1B	22	-1325	379	-437	0	-375	-81	24.6	156.8	37.1	0.0	181.5	1	
1C	22	-1325	-386	-1179	0	-744	81	24.6	252.4	100.0	0.0	277.0	1	
1D	22	-1325	379	-1179	0	-744	-81	24.6	251.8	100.0	0.0	276.4	1	
1E	22	-669	-386	-437	0	-375	81	12.4	157.4	37.1	0.0	169.8	1	
1F	22	-669	379	-437	0	-375	-81	12.4	156.8	37.1	0.0	169.2	1	
1G	22	-669	-386	-1179	0	-744	81	12.4	252.4	100.0	0.0	264.8	1	
1H	22	-669	379	-1179	0	-744	-81	12.4	251.8	100.0	0.0	264.2	1	
1I	22	-1426	-363	-628	0	-310	77	26.5	137.6	53.2	0.0	164.1	1	
1J	22	-1426	356	-628	0	-310	-76	26.5	137.0	53.2	0.0	163.5	1	
1K	22	-1426	-363	-989	0	-809	77	26.5	266.1	83.8	0.0	292.6	1	
1L	22	-1426	356	-989	0	-809	-76	26.5	265.5	83.8	0.0	292.0	1	
1M	22	-568	-363	-628	0	-310	77	10.6	137.6	53.2	0.0	148.2	1	
1N	22	-568	356	-628	0	-310	-76	10.6	137.0	53.2	0.0	147.6	1	
1O	22	-568	-363	-989	0	-809	77	10.6	266.1	83.8	0.0	276.6	1	
1P	22	-568	356	-989	0	-809	-76	10.6	265.5	83.8	0.0	276.0	1	
2	22	-5008	-89	-4362	0	-2844	17	93.1	744.7	369.9	0.0	938.6	3	
7	22	-3960	-95	-3498	0	-2245	19	73.6	591.9	296.6	0.0	745.5	3	
8	22	-3930	-59	-3406	0	-2228	11	73.0	581.8	288.8	0.0	734.6	3	
1A	43	-1316	-386	-437	0	-265	-2	24.5	69.7	37.1	0.0	105.8	3	
1B	43	-1316	379	-437	0	-265	1	24.5	69.1	37.1	0.0	105.6	3	
1C	43	-1316	-386	-1179	0	-506	-2	24.5	131.6	100.0	0.0	209.8	3	
1D	43	-1316	379	-1179	0	-506	1	24.5	131.1	100.0	0.0	209.7	3	
1E	43	-660	-386	-437	0	-265	-2	12.3	69.7	37.1	0.0	96.2	3	
1F	43	-660	379	-437	0	-265	1	12.3	69.1	37.1	0.0	96.0	3	
1G	43	-660	-386	-1179	0	-506	-2	12.3	131.6	100.0	0.0	201.8	3	
1H	43	-660	379	-1179	0	-506	1	12.3	131.1	100.0	0.0	201.7	3	
1I	43	-1417	-363	-628	0	-163	-1	26.3	42.8	53.2	0.0	106.3	3	
1J	43	-1417	356	-628	0	-163	0	26.3	42.3	53.2	0.0	106.1	3	
1K	43	-1417	-363	-989	0	-609	-1	26.3	157.5	83.8	0.0	211.6	3	
1L	43	-1417	356	-989	0	-609	0	26.3	156.9	83.8	0.0	211.5	3	
1M	43	-559	-363	-628	0	-163	-1	10.4	42.8	53.2	0.0	97.5	3	
1N	43	-559	356	-628	0	-163	0	10.4	42.3	53.2	0.0	97.4	3	
1O	43	-559	-363	-989	0	-609	-1	10.4	157.5	83.8	0.0	199.3	3	
1P	43	-559	356	-989	0	-609	0	10.4	156.9	83.8	0.0	199.2	3	
2	43	-4996	-89	-4362	0	-1906	-2	92.9	491.8	369.9	0.0	777.1	3	
7	43	-3948	-95	-3498	0	-1493	-1	73.4	385.2	296.6	0.0	616.9	3	
8	43	-3918	-59	-3406	0	-1496	-1	72.8	386.0	288.8	0.0	608.2	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1334	397	98	9	9	6	1.00	1.00	200.3	
1B	-1334	397	97	9	9	6	1.00	1.00	199.5	
1C	-1334	792	98	9	9	6	1.00	1.00	301.9	
1D	-1334	792	97	9	9	6	1.00	1.00	301.1	
1E	-678	397	98	9	9	6	1.00	1.00	188.1	
1F	-678	397	97	9	9	6	1.00	1.00	187.3	
1G	-678	792	98	9	9	6	1.00	1.00	289.7	
1H	-678	792	97	9	9	6	1.00	1.00	288.9	
1I	-1435	339	93	9	9	6	1.00	1.00	183.6	
1J	-1435	339	92	9	9	6	1.00	1.00	182.8	
1K	-1435	849	93	9	9	6	1.00	1.00	314.8	
1L	-1435	849	92	9	9	6	1.00	1.00	314.0	
1M	-577	339	93	9	9	6	1.00	1.00	167.6	
1N	-577	339	92	9	9	6	1.00	1.00	166.8	
1O	-577	849	93	9	9	6	1.00	1.00	298.9	
1P	-577	849	92	9	9	6	1.00	1.00	298.0	
2	-5020	3031	21	9	9	6	1.00	1.00	889.5	
7	-3972	2395	23	9	9	6	1.00	1.00	707.7	
8	-3941	2375	14	9	9	6	1.00	1.00	694.9	

ASTA NUM. 529 NI 401 NF 244 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1593	-300	-627	0	-539	127	29.6	234.2	53.2	0.0	263.8	1	
1B	0	-1593	295	-627	0	-539	-125	29.6	232.3	53.2	0.0	261.9	1	
1C	0	-1593	-300	-1411	0	-1198	127	29.6	403.8	119.7	0.0	433.4	1	
1D	0	-1593	295	-1411	0	-1198	-125	29.6	401.9	119.7	0.0	431.5	1	
1E	0	-717	-300	-627	0	-539	127	13.3	234.2	53.2	0.0	247.5	1	
1F	0	-717	295	-627	0	-539	-125	13.3	232.3	53.2	0.0	245.6	1	
1G	0	-717	-300	-1411	0	-1198	127	13.3	403.8	119.7	0.0	417.1	1	
1H	0	-717	295	-1411	0	-1198	-125	13.3	401.9	119.7	0.0	415.2	1	
1I	0	-2239	-310	-150	0	-69	133	41.6	117.3	12.8	0.0	158.9	1	
1J	0	-2239	305	-150	0	-69	-131	41.6	115.4	12.8	0.0	157.1	1	
1K	0	-2239	-310	-1888	0	-1669	133	41.6	529.1	160.0	0.0	570.7	1	
1L	0	-2239	305	-1888	0	-1669	-131	41.6	527.2	160.0	0.0	568.8	1	
1M	0	-71	-310	-150	0	-69	133	1.3	117.3	12.8	0.0	118.6	1	
1N	0	-71	305	-150	0	-69	-131	1.3	115.4	12.8	0.0	116.8	1	
1O	0	-71	-310	-1888	0	-1669	133	1.3	529.1	160.0	0.0	530.4	1	
1P	0	-71	305	-1888	0	-1669	-131	1.3	527.2	160.0	0.0	528.5	1	
2	0	-6016	-70	-5706	0	-4652	31	111.8	1220.1	483.8	0.0	1396.6	3	
7	0	-4805	-72	-4658	0	-3731	32	89.3	983.7	395.0	0.0	1125.6	3	
8	0	-4683	-46	-4403	0	-3610	20	87.0	944.1	373.3	0.0	1082.2	3	
1A	22	-1584	-300	-627	0	-402	63	29.4	150.6	53.2	0.0	180.0	1	
1B	22	-1584	295	-627	0	-402	-62	29.4	149.6	53.2	0.0	179.0	1	
1C	22	-1584	-300	-1411	0	-897	63	29.4	277.8	119.7	0.0	307.3	1	
1D	22	-1584	295	-1411	0	-897	-62	29.4	276.8	119.7	0.0	306.3	1	
1E	22	-708	-300	-627	0	-402	63	13.2	150.6	53.2	0.0	163.7	1	
1F	22	-708	295	-627	0	-402	-62	13.2	149.6	53.2	0.0	162.7	1	
1G	22	-708	-300	-1411	0	-897	63	13.2	277.8	119.7	0.0	291.0	1	
1H	22	-708	295	-1411	0	-897	-62	13.2	276.8	119.7	0.0	290.0	1	
1I	22	-2230	-310	-150	0	-35	66	41.5	58.5	12.8	0.0	100.0	1	
1J	22	-2230	305	-150	0	-35	-65	41.5	57.5	12.8	0.0	99.0	1	
1K	22	-2230	-310	-1888	0	-1265	66	41.5	375.0	160.0	0.0	416.5	1	
1L	22	-2230	305	-1888	0	-1265	-65	41.5	374.0	160.0	0.0	415.5	1	
1M	22	-62	-310	-150	0	-35	66	1.2	58.5	12.8	0.0	59.7	1	
1N	22	-62	305	-150	0	-35	-65	1.2	57.5	12.8	0.0	58.7	1	
1O	22	-62	-310	-1888	0	-1265	66	1.2	375.0	160.0	0.0	383.3	3	
1P	22	-62	305	-1888	0	-1265	-65	1.2	374.0	160.0	0.0	383.3	3	
2	22	-6004	-70	-5706	0	-3425	16	111.6	893.1	483.8	0.0	1166.4	3	
7	22	-4793	-72	-4658	0	-2730	16	89.1	714.3	395.0	0.0	938.9	3	
8	22	-4672	-46	-4403	0	-2663	10	86.8	693.0	373.3	0.0	904.1	3	
1A	43	-1575	-300	-627	0	-265	-2	29.3	69.6	53.2	0.0	123.2	3	
1B	43	-1575	295	-627	0	-265	2	29.3	69.7	53.2	0.0	123.2	3	
1C	43	-1575	-300	-1411	0	-596	-2	29.3	154.6	119.7	0.0	248.4	3	
1D	43	-1575	295	-1411	0	-596	2	29.3	154.7	119.7	0.0	248.4	3	
1E	43	-699	-300	-627	0	-265	-2	13.0	69.6	53.2	0.0	111.8	3	
1F	43	-699	295	-627	0	-265	2	13.0	69.7	53.2	0.0	111.8	3	
1G	43	-699	-300	-1411	0	-596	-2	13.0	154.6	119.7	0.0	237.8	3	
1H	43	-699	295	-1411	0	-596	2	13.0	154.7	119.7	0.0	237.8	3	
1I	43	-2221	-310	-150	0	-1	-1	41.3	0.6	12.8	0.0	50.1	3	
1J	43	-2221	305	-150	0	-1	1	41.3	0.7	12.8	0.0	49.9	3	
1K	43	-2221	-310	-1888	0	-860	-1	41.3	221.8	160.0	0.0	343.3	3	
1L	43	-2221	305	-1888	0	-860	1	41.3	221.9	160.0	0.0	343.3	3	
1M	43	-53	-310	-150	0	-1	-1	1.0	0.6	12.8	0.0	28.1	3	
1N	43	-53	305	-150	0	-1	1	1.0	0.7	12.8	0.0	27.8	3	
1O	43	-53	-310	-1888	0	-860	-1	1.0	221.8	160.0	0.0	316.5	3	
1P	43	-53	305	-1888	0	-860	1	1.0	221.9	160.0	0.0	316.5	3	
2	43	-5993	-70	-5706	0	-2198	1	111.4	566.0	483.8	0.0	964.8	3	
7	43	-4781	-72	-4658	0	-1728	0	88.9	445.0	395.0	0.0	776.6	3	
8	43	-4660	-46	-4403	0	-1716	0	86.6	441.9	373.3	0.0	747.8	3	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1593	430	76	9	9	6	1.00	1.00	196.9	
1B	-1593	430	74	9	9	6	1.00	1.00	195.7	
1C	-1593	957	76	9	9	6	1.00	1.00	332.7	
1D	-1593	957	74	9	9	6	1.00	1.00	331.5	
1E	-717	430	76	9	9	6	1.00	1.00	180.6	
1F	-717	430	74	9	9	6	1.00	1.00	179.4	
1G	-717	957	76	9	9	6	1.00	1.00	316.4	
1H	-717	957	74	9	9	6	1.00	1.00	315.2	
1I	-2239	41	80	9	9	6	1.00	1.00	111.9	
1J	-2239	41	78	9	9	6	1.00	1.00	110.7	
1K	-2239	1345	80	9	9	6	1.00	1.00	447.5	
1L	-2239	1345	78	9	9	6	1.00	1.00	446.3	
1M	-71	41	80	9	9	6	1.00	1.00	71.6	
1N	-71	41	78	9	9	6	1.00	1.00	70.4	
1O	-71	1345	80	9	9	6	1.00	1.00	407.1	
1P	-71	1345	78	9	9	6	1.00	1.00	406.0	
2	-6016	3670	19	9	9	6	1.00	1.00	1070.8	
7	-4805	2930	19	9	9	6	1.00	1.00	857.8	
8	-4683	2852	12	9	9	6	1.00	1.00	830.6	

ASTA NUM. 530 NI 403 NF 284 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-1265	-222	1145	0	494	94	23.5	197.4	97.1	0.0	220.9	1	
1B	0	-1265	221	1145	0	494	-92	23.5	196.1	97.1	0.0	219.6	1	
1C	0	-1265	-222	-604	0	-826	94	23.5	282.9	51.2	0.0	306.4	1	
1D	0	-1265	221	-604	0	-826	-92	23.5	281.6	51.2	0.0	305.1	1	
1E	0	455	-222	1145	0	494	94	8.5	197.4	97.1	0.0	205.9	1	
1F	0	455	221	1145	0	494	-92	8.5	196.1	97.1	0.0	204.5	1	
1G	0	455	-222	-604	0	-826	94	8.5	282.9	51.2	0.0	291.4	1	
1H	0	455	221	-604	0	-826	-92	8.5	281.6	51.2	0.0	290.0	1	
1I	0	-2344	-211	2597	0	1425	91	43.6	434.9	220.2	0.0	503.7	3	
1J	0	-2344	209	2597	0	1425	-89	43.6	433.6	220.2	0.0	503.7	3	
1K	0	-2344	-211	-2056	0	-1757	91	43.6	520.4	174.3	0.0	563.9	1	
1L	0	-2344	209	-2056	0	-1757	-89	43.6	519.0	174.3	0.0	562.6	1	
1M	0	1534	-211	2597	0	1425	91	28.5	434.9	220.2	0.0	492.7	3	
1N	0	1534	209	2597	0	1425	-89	28.5	433.6	220.2	0.0	492.6	3	
1O	0	1534	-211	-2056	0	-1757	91	28.5	520.4	174.3	0.0	548.9	1	
1P	0	1534	209	-2056	0	-1757	-89	28.5	519.0	174.3	0.0	547.5	1	
2	0	-2356	-62	-301	0	-1413	29	43.8	385.4	25.5	0.0	429.2	1	
7	0	-1946	-59	-298	0	-1173	28	36.2	322.5	25.3	0.0	358.6	1	
8	0	-1822	-41	-116	0	-1065	20	33.9	288.7	9.9	0.0	322.5	1	
1A	22	-1256	-222	1145	0	255	46	23.3	100.1	97.1	0.0	171.0	3	
1B	22	-1256	221	1145	0	255	-45	23.3	99.0	97.1	0.0	171.0	3	
1C	22	-1256	-222	-604	0	-704	46	23.3	215.5	51.2	0.0	238.8	1	
1D	22	-1256	221	-604	0	-704	-45	23.3	214.4	51.2	0.0	237.8	1	
1E	22	464	-222	1145	0	255	46	8.6	100.1	97.1	0.0	168.4	4	
1F	22	464	221	1145	0	255	-45	8.6	99.0	97.1	0.0	168.4	4	
1G	22	464	-222	-604	0	-704	46	8.6	215.5	51.2	0.0	224.1	1	
1H	22	464	221	-604	0	-704	-45	8.6	214.4	51.2	0.0	223.1	1	
1I	22	-2335	-211	2597	0	870	45	43.4	257.7	220.2	0.0	417.1	3	
1J	22	-2335	209	2597	0	870	-44	43.4	256.6	220.2	0.0	417.0	3	
1K	22	-2335	-211	-2056	0	-1319	45	43.4	373.1	174.3	0.0	439.0	3	
1L	22	-2335	209	-2056	0	-1319	-44	43.4	372.0	174.3	0.0	438.9	3	
1M	22	1543	-211	2597	0	870	45	28.7	257.7	220.2	0.0	408.6	3	
1N	22	1543	209	2597	0	870	-44	28.7	256.6	220.2	0.0	408.6	3	
1O	22	1543	-211	-2056	0	-1319	45	28.7	373.1	174.3	0.0	427.4	3	
1P	22	1543	209	-2056	0	-1319	-44	28.7	372.0	174.3	0.0	427.3	3	
2	22	-2344	-62	-301	0	-1348	16	43.6	358.9	25.5	0.0	402.4	1	
7	22	-1934	-59	-298	0	-1109	15	35.9	296.5	25.3	0.0	332.4	1	
8	22	-1810	-41	-116	0	-1040	11	33.6	275.5	9.9	0.0	309.2	1	
1A	43	-1247	-222	1145	0	17	-2	23.2	6.1	97.1	0.0	169.7	4	
1B	43	-1247	221	1145	0	17	3	23.2	6.8	97.1	0.0	169.7	4	
1C	43	-1247	-222	-604	0	-582	-2	23.2	151.4	51.2	0.0	176.3	3	
1D	43	-1247	221	-604	0	-582	3	23.2	152.2	51.2	0.0	176.3	3	
1E	43	473	-222	1145	0	17	-2	8.8	6.1	97.1	0.0	168.3	4	
1F	43	473	221	1145	0	17	3	8.8	6.8	97.1	0.0	168.3	4	
1G	43	473	-222	-604	0	-582	-2	8.8	151.4	51.2	0.0	163.6	3	
1H	43	473	221	-604	0	-582	3	8.8	152.2	51.2	0.0	163.6	3	
1I	43	-2326	-211	2597	0	316	-1	43.2	81.9	220.2	0.0	383.8	4	
1J	43	-2326	209	2597	0	316	2	43.2	82.7	220.2	0.0	383.8	4	
1K	43	-2326	-211	-2056	0	-880	-1	43.2	227.2	174.3	0.0	363.3	3	
1L	43	-2326	209	-2056	0	-880	2	43.2	228.0	174.3	0.0	363.3	3	
1M	43	1552	-211	2597	0	316	-1	28.8	81.9	220.2	0.0	382.4	4	
1N	43	1552	209	2597	0	316	2	28.8	82.7	220.2	0.0	382.4	4	
1O	43	1552	-211	-2056	0	-880	-1	28.8	227.2	174.3	0.0	353.7	3	
1P	43	1552	209	-2056	0	-880	2	28.8	228.0	174.3	0.0	353.7	3	
2	43	-2333	-62	-301	0	-1284	3	43.4	332.3	25.5	0.0	375.7	1	
7	43	-1922	-59	-298	0	-1045	2	35.7	270.5	25.3	0.0	306.2	1	
8	43	-1798	-41	-116	0	-1014	2	33.4	262.4	9.9	0.0	295.8	1	

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-1265	303	56	9	9	6	1.00	1.00	143.1	
1B	-1265	303	54	9	9	6	1.00	1.00	142.0	
1C	-1265	728	56	9	9	6	1.00	1.00	252.5	
1D	-1265	728	54	9	9	6	1.00	1.00	251.4	
1E	473	303	56	9	9	6	1.00	1.00	128.3	
1F	473	303	54	9	9	6	1.00	1.00	127.2	
1G	473	728	56	9	9	6	1.00	1.00	237.8	
1H	473	728	54	9	9	6	1.00	1.00	236.7	
1I	-2344	981	54	9	9	6	1.00	1.00	336.7	
1J	-2344	981	53	9	9	6	1.00	1.00	335.6	
1K	-2344	1406	54	9	9	6	1.00	1.00	446.2	
1L	-2344	1406	53	9	9	6	1.00	1.00	445.1	
1M	1552	981	54	9	9	6	1.00	1.00	322.0	
1N	1552	981	53	9	9	6	1.00	1.00	320.9	
1O	1552	1406	54	9	9	6	1.00	1.00	431.4	
1P	1552	1406	53	9	9	6	1.00	1.00	430.3	
2	-2356	1361	19	9	9	6	1.00	1.00	408.0	
7	-1946	1122	17	9	9	6	1.00	1.00	337.9	
8	-1822	1045	13	9	9	6	1.00	1.00	312.1	

ASTA NUM. 531 NI 405 NF 324 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-224	-255	-141	0	-44	108	4.2	92.6	12.0	0.0	96.8	1	
1B	0	-224	288	-141	0	-44	-122	4.2	102.8	12.0	0.0	107.0	1	
1C	0	-224	-255	-372	0	-174	108	4.2	125.9	31.5	0.0	130.0	1	
1D	0	-224	288	-372	0	-174	-122	4.2	136.1	31.5	0.0	140.2	1	
1E	0	-28	-255	-141	0	-44	108	0.5	92.6	12.0	0.0	93.1	1	
1F	0	-28	288	-141	0	-44	-122	0.5	102.8	12.0	0.0	103.3	1	
1G	0	-28	-255	-372	0	-174	108	0.5	125.9	31.5	0.0	126.4	1	
1H	0	-28	288	-372	0	-174	-122	0.5	136.1	31.5	0.0	136.6	1	
1I	0	-338	-233	-84	0	4	98	6.3	74.4	8.7	0.0	80.7	1	
1J	0	-338	267	-84	0	4	-112	6.3	84.6	10.0	0.0	90.9	1	
1K	0	-338	-233	-429	0	-222	98	6.3	130.5	36.3	0.0	136.8	1	
1L	0	-338	267	-429	0	-222	-112	6.3	140.7	36.3	0.0	147.0	1	
1M	0	86	-233	-84	0	4	98	1.6	74.4	8.7	0.0	76.0	1	
1N	0	86	267	-84	0	4	-112	1.6	84.6	10.0	0.0	86.2	1	
1O	0	86	-233	-429	0	-222	98	1.6	130.5	36.3	0.0	132.1	1	
1P	0	86	267	-429	0	-222	-112	1.6	140.7	36.3	0.0	142.3	1	
2	0	-130	4	-404	0	-144	-2	2.4	38.4	34.3	0.0	63.5	3	
7	0	-133	2	-412	0	-148	-1	2.5	38.6	34.9	0.0	64.8	3	
8	0	-140	11	-383	0	-143	-4	2.6	40.2	32.4	0.0	61.2	3	
1A	22	-215	-255	-141	0	-9	54	4.0	42.4	12.0	0.0	46.4	1	
1B	22	-215	288	-141	0	-9	-60	4.0	47.3	12.0	0.0	51.3	1	
1C	22	-215	-255	-372	0	-98	54	4.0	65.4	31.5	0.0	69.4	1	
1D	22	-215	288	-372	0	-98	-60	4.0	70.2	31.5	0.0	74.2	1	
1E	22	-19	-255	-141	0	-9	54	0.4	42.4	12.0	0.0	42.8	1	
1F	22	-19	288	-141	0	-9	-60	0.4	47.3	12.0	0.0	47.6	1	
1G	22	-19	-255	-372	0	-98	54	0.4	65.4	31.5	0.0	65.7	1	
1H	22	-19	288	-372	0	-98	-60	0.4	70.2	31.5	0.0	70.6	1	
1I	22	-329	-233	-84	0	23	48	6.1	41.9	8.7	0.0	48.0	1	
1J	22	-329	267	-84	0	23	-54	6.1	46.7	10.0	0.0	52.8	1	
1K	22	-329	-233	-429	0	-131	48	6.1	69.6	36.3	0.0	75.7	1	
1L	22	-329	267	-429	0	-131	-54	6.1	74.4	36.3	0.0	80.5	1	
1M	22	95	-233	-84	0	23	48	1.8	41.9	8.7	0.0	43.6	1	
1N	22	95	267	-84	0	23	-54	1.8	46.7	10.0	0.0	48.5	1	
1O	22	95	-233	-429	0	-131	48	1.8	69.6	36.3	0.0	71.4	1	
1P	22	95	267	-429	0	-131	-54	1.8	74.4	36.3	0.0	76.2	1	
2	22	-118	4	-404	0	-57	-1	2.2	15.4	34.3	0.0	59.4	4	
7	22	-121	2	-412	0	-59	-0	2.2	15.5	34.9	0.0	60.6	4	
8	22	-128	11	-383	0	-61	-2	2.4	17.3	32.4	0.0	56.2	4	
1A	43	-206	-255	-141	0	26	-1	3.8	7.7	12.0	0.0	26.6	3	
1B	43	-206	288	-141	0	26	2	3.8	8.3	12.0	0.0	28.0	3	
1C	43	-206	-255	-372	0	-23	-1	3.8	7.0	31.5	0.0	54.8	4	
1D	43	-206	288	-372	0	-23	2	3.8	7.6	31.5	0.0	54.8	4	
1E	43	-10	-255	-141	0	26	-1	0.2	7.7	12.0	0.0	25.5	3	
1F	43	-10	288	-141	0	26	2	0.2	8.3	12.0	0.0	26.9	3	
1G	43	-10	-255	-372	0	-23	-1	0.2	7.0	31.5	0.0	54.6	4	
1H	43	-10	288	-372	0	-23	2	0.2	7.6	31.5	0.0	54.6	4	
1I	43	-320	-233	-84	0	43	-2	5.9	12.8	8.7	0.0	24.6	3	
1J	43	-320	267	-84	0	43	3	5.9	13.3	10.0	0.0	26.0	3	
1K	43	-320	-233	-429	0	-40	-2	5.9	12.1	36.3	0.0	63.2	4	
1L	43	-320	267	-429	0	-40	3	5.9	12.6	36.3	0.0	63.2	4	
1M	43	104	-233	-84	0	43	-2	1.9	12.8	8.7	0.0	22.2	3	
1N	43	104	267	-84	0	43	3	1.9	13.3	10.0	0.0	23.7	3	
1O	43	104	-233	-429	0	-40	-2	1.9	12.1	36.3	0.0	63.0	4	
1P	43	104	267	-429	0	-40	3	1.9	12.6	36.3	0.0	63.0	4	
2	43	-106	4	-404	0	30	-0	2.0	7.7	34.3	0.0	59.4	4	
7	43	-109	2	-412	0	30	-0	2.0	7.7	34.9	0.0	60.6	4	
8	43	-116	11	-383	0	21	0	2.2	5.6	32.4	0.0	56.2	4	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-224	18	65	9	9	6	1.00	1.00	57.0	
1B	-224	18	72	9	9	6	1.00	1.00	62.9	
1C	-224	113	65	9	9	6	1.00	1.00	81.6	
1D	-224	113	72	9	9	6	1.00	1.00	87.6	
1E	-28	18	65	9	9	6	1.00	1.00	53.4	
1F	-28	18	72	9	9	6	1.00	1.00	59.3	
1G	-28	113	65	9	9	6	1.00	1.00	78.0	
1H	-28	113	72	9	9	6	1.00	1.00	83.9	
1I	-338	27	58	9	9	6	1.00	1.00	56.7	
1J	-338	27	66	9	9	6	1.00	1.00	62.6	
1K	-338	149	58	9	9	6	1.00	1.00	88.1	
1L	-338	149	66	9	9	6	1.00	1.00	94.0	
1M	104	27	58	9	9	6	1.00	1.00	52.3	
1N	104	27	66	9	9	6	1.00	1.00	58.2	
1O	104	149	58	9	9	6	1.00	1.00	83.7	
1P	104	149	66	9	9	6	1.00	1.00	89.6	
2	-130	75	1	9	9	6	1.00	1.00	22.4	
7	-133	77	1	9	9	6	1.00	1.00	22.6	
8	-140	77	3	9	9	6	1.00	1.00	24.5	

ASTA NUM. 532 NI 406 NF 868 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2548	-399	124	0	-23	84	47.4	68.9	15.0	0.0	116.3	1	
1B	0	-2548	495	124	0	-23	-11	47.4	13.9	18.6	0.0	64.0	3	
1C	0	-2548	-399	-238	0	-143	84	47.4	99.9	20.2	0.0	147.3	1	
1D	0	-2548	495	-238	0	-143	-11	47.4	44.9	20.2	0.0	92.3	1	
1E	0	-862	-399	124	0	-23	84	16.0	68.9	15.0	0.0	84.9	1	
1F	0	-862	495	124	0	-23	-11	16.0	13.9	18.6	0.0	41.9	3	
1G	0	-862	-399	-238	0	-143	84	16.0	99.9	20.2	0.0	115.9	1	
1H	0	-862	495	-238	0	-143	-11	16.0	44.9	20.2	0.0	66.5	3	
1I	0	-3278	-362	145	0	1	132	60.9	98.6	13.6	0.0	159.5	1	
1J	0	-3278	458	145	0	1	-58	60.9	43.6	17.2	0.0	104.6	1	
1K	0	-3278	-362	-259	0	-167	132	60.9	141.4	21.9	0.0	202.3	1	
1L	0	-3278	458	-259	0	-167	-58	60.9	86.4	21.9	0.0	147.4	1	
1M	0	-132	-362	145	0	1	132	2.4	98.6	13.6	0.0	101.0	1	
1N	0	-132	458	145	0	1	-58	2.4	43.6	17.2	0.0	46.1	1	
1O	0	-132	-362	-259	0	-167	132	2.4	141.4	21.9	0.0	143.9	1	
1P	0	-132	458	-259	0	-167	-58	2.4	86.4	21.9	0.0	88.9	1	
2	0	-2012	80	-98	0	-97	41	37.4	55.6	8.3	0.0	93.0	1	
7	0	-2001	79	-102	0	-98	40	37.2	55.4	8.6	0.0	92.6	1	
8	0	-2076	77	-90	0	-100	43	38.6	58.1	7.6	0.0	96.7	1	
1A	22	-2539	-399	124	0	-75	181	47.2	154.6	15.0	0.0	201.8	1	
1B	22	-2539	495	124	0	-75	-87	47.2	84.2	18.6	0.0	131.4	1	
1C	22	-2539	-399	-238	0	-66	181	47.2	152.3	20.2	0.0	199.5	1	
1D	22	-2539	495	-238	0	-66	-87	47.2	81.9	20.2	0.0	129.1	1	
1E	22	-853	-399	124	0	-75	181	15.9	154.6	15.0	0.0	170.5	1	
1F	22	-853	495	124	0	-75	-87	15.9	84.2	18.6	0.0	100.0	1	
1G	22	-853	-399	-238	0	-66	181	15.9	152.3	20.2	0.0	168.2	1	
1H	22	-853	495	-238	0	-66	-87	15.9	81.9	20.2	0.0	97.7	1	
1I	22	-3269	-362	145	0	39	227	60.8	180.0	13.6	0.0	240.8	1	
1J	22	-3269	458	145	0	39	-133	60.8	109.6	17.2	0.0	170.3	1	
1K	22	-3269	-362	-259	0	-181	227	60.8	216.5	21.9	0.0	277.3	1	
1L	22	-3269	458	-259	0	-181	-133	60.8	146.1	21.9	0.0	206.8	1	
1M	22	-123	-362	145	0	39	227	2.3	180.0	13.6	0.0	182.3	1	
1N	22	-123	458	145	0	39	-133	2.3	109.6	17.2	0.0	111.8	1	
1O	22	-123	-362	-259	0	-181	227	2.3	216.5	21.9	0.0	218.8	1	
1P	22	-123	458	-259	0	-181	-133	2.3	146.1	21.9	0.0	148.3	1	
2	22	-2000	80	-98	0	-76	58	37.2	63.1	8.3	0.0	100.3	1	
7	22	-1989	79	-102	0	-76	57	37.0	62.5	8.6	0.0	99.4	1	
8	22	-2064	77	-90	0	-80	60	38.4	65.5	7.6	0.0	103.9	1	
1A	43	-2530	-399	124	0	-128	277	47.0	240.3	15.0	0.0	287.4	1	
1B	43	-2530	495	124	0	-128	-162	47.0	154.4	18.6	0.0	201.4	1	
1C	43	-2530	-399	-238	0	10	277	47.0	210.2	20.2	0.0	257.2	1	
1D	43	-2530	495	-238	0	10	-162	47.0	124.2	20.2	0.0	171.2	1	
1E	43	-844	-399	124	0	-128	277	15.7	240.3	15.0	0.0	256.0	1	
1F	43	-844	495	124	0	-128	-162	15.7	154.4	18.6	0.0	170.1	1	
1G	43	-844	-399	-238	0	10	277	15.7	210.2	20.2	0.0	225.9	1	
1H	43	-844	495	-238	0	10	-162	15.7	124.2	20.2	0.0	139.9	1	
1I	43	-3260	-362	145	0	78	322	60.6	261.5	13.6	0.0	322.1	1	
1J	43	-3260	458	145	0	78	-208	60.6	175.5	17.2	0.0	236.1	1	
1K	43	-3260	-362	-259	0	-195	322	60.6	291.6	21.9	0.0	352.2	1	
1L	43	-3260	458	-259	0	-195	-208	60.6	205.7	21.9	0.0	266.3	1	
1M	43	-114	-362	145	0	78	322	2.1	261.5	13.6	0.0	263.6	1	
1N	43	-114	458	145	0	78	-208	2.1	175.5	17.2	0.0	177.6	1	
1O	43	-114	-362	-259	0	-195	322	2.1	291.6	21.9	0.0	293.8	1	
1P	43	-114	458	-259	0	-195	-208	2.1	205.7	21.9	0.0	207.8	1	
2	43	-1988	80	-98	0	-55	76	37.0	70.6	8.3	0.0	107.6	1	
7	43	-1977	79	-102	0	-54	74	36.7	69.5	8.6	0.0	106.3	1	
8	43	-2053	77	-90	0	-61	76	38.2	72.9	7.6	0.0	111.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2548	86	200	9	9	6	1.00	1.00	219.2	
1B	-2548	86	102	9	9	6	1.00	1.00	145.6	
1C	-2548	82	200	9	9	6	1.00	1.00	218.1	
1D	-2548	82	102	9	9	6	1.00	1.00	144.6	
1E	-862	86	200	9	9	6	1.00	1.00	187.8	
1F	-862	86	102	9	9	6	1.00	1.00	114.2	
1G	-862	82	200	9	9	6	1.00	1.00	186.8	
1H	-862	82	102	9	9	6	1.00	1.00	113.2	
1I	-3278	47	246	9	9	6	1.00	1.00	257.3	
1J	-3278	47	148	9	9	6	1.00	1.00	183.7	
1K	-3278	184	246	9	9	6	1.00	1.00	292.6	
1L	-3278	184	148	9	9	6	1.00	1.00	219.0	
1M	-132	47	246	9	9	6	1.00	1.00	198.8	
1N	-132	47	148	9	9	6	1.00	1.00	125.2	
1O	-132	184	246	9	9	6	1.00	1.00	234.0	
1P	-132	184	148	9	9	6	1.00	1.00	160.4	
2	-2012	80	62	9	9	6	1.00	1.00	104.2	
7	-2001	80	61	9	9	6	1.00	1.00	103.3	
8	-2076	84	63	9	9	6	1.00	1.00	107.6	

ASTA NUM. 533 NI 407 NF 870 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3701	-7156	1252	0	928	2685	68.8	2248.3	268.4	0.0	2317.1	1	
1B	0	-3701	4268	1252	0	928	-537	68.8	640.5	160.1	0.0	709.3	1	
1C	0	-3701	-7156	-1188	0	-389	2685	68.8	2109.7	268.4	0.0	2178.5	1	
1D	0	-3701	4268	-1188	0	-389	-537	68.8	501.9	160.1	0.0	570.7	1	
1E	0	1293	-7156	1252	0	928	2685	24.0	2248.3	268.4	0.0	2272.3	1	
1F	0	1293	4268	1252	0	928	-537	24.0	640.5	160.1	0.0	664.6	1	
1G	0	1293	-7156	-1188	0	-389	2685	24.0	2109.7	268.4	0.0	2133.7	1	
1H	0	1293	4268	-1188	0	-389	-537	24.0	501.9	160.1	0.0	525.9	1	
1I	0	-5020	-6640	3322	0	2121	2546	93.3	2451.2	281.7	0.0	2544.5	1	
1J	0	-5020	3752	3322	0	2121	-398	93.3	843.4	281.7	0.0	936.7	1	
1K	0	-5020	-6640	-3258	0	-1582	2546	93.3	2312.5	276.2	0.0	2405.8	1	
1L	0	-5020	3752	-3258	0	-1582	-398	93.3	704.7	276.2	0.0	798.0	1	
1M	0	2612	-6640	3322	0	2121	2546	48.5	2451.2	281.7	0.0	2499.7	1	
1N	0	2612	3752	3322	0	2121	-398	48.5	843.4	281.7	0.0	891.9	1	
1O	0	2612	-6640	-3258	0	-1582	2546	48.5	2312.5	276.2	0.0	2361.1	1	
1P	0	2612	3752	-3258	0	-1582	-398	48.5	704.7	276.2	0.0	753.3	1	
2	0	-636	-1437	-1013	0	479	1331	11.8	1119.5	85.9	0.0	1131.4	1	
7	0	-452	-1147	-990	0	261	1240	8.4	995.3	83.9	0.0	1003.7	1	
8	0	-862	-1667	-701	0	431	1375	16.0	1140.1	62.5	0.0	1156.1	1	
1A	22	-3692	-7156	1252	0	713	1139	68.6	1035.9	268.4	0.0	1104.6	1	
1B	22	-3692	4268	1252	0	713	388	68.6	474.0	160.1	0.0	542.7	1	
1C	22	-3692	-7156	-1188	0	-188	1139	68.6	900.9	268.4	0.0	969.5	1	
1D	22	-3692	4268	-1188	0	-188	388	68.6	339.0	160.1	0.0	407.6	1	
1E	22	1302	-7156	1252	0	713	1139	24.2	1035.9	268.4	0.0	1060.1	1	
1F	22	1302	4268	1252	0	713	388	24.2	474.0	160.1	0.0	498.2	1	
1G	22	1302	-7156	-1188	0	-188	1139	24.2	900.9	268.4	0.0	925.1	1	
1H	22	1302	4268	-1188	0	-188	388	24.2	339.0	160.1	0.0	363.2	1	
1I	22	-5011	-6640	3322	0	1426	1093	93.1	1185.0	281.7	0.0	1278.2	1	
1J	22	-5011	3752	3322	0	1426	434	93.1	691.5	281.7	0.0	784.7	1	
1K	22	-5011	-6640	-3258	0	-901	1093	93.1	1049.9	276.2	0.0	1143.1	1	
1L	22	-5011	3752	-3258	0	-901	434	93.1	556.5	276.2	0.0	649.6	1	
1M	22	2621	-6640	3322	0	1426	1093	48.7	1185.0	281.7	0.0	1233.7	1	
1N	22	2621	3752	3322	0	1426	434	48.7	691.5	281.7	0.0	740.3	1	
1O	22	2621	-6640	-3258	0	-901	1093	48.7	1049.9	276.2	0.0	1098.6	1	
1P	22	2621	3752	-3258	0	-901	434	48.7	556.5	276.2	0.0	605.2	1	
2	22	-624	-1437	-1013	0	697	1022	11.6	944.5	85.9	0.0	956.1	1	
7	22	-440	-1147	-990	0	474	993	8.2	865.3	83.9	0.0	873.5	1	
8	22	-850	-1667	-701	0	582	1017	15.8	910.8	62.5	0.0	926.6	1	
1A	43	-3683	-7156	1252	0	499	-407	68.5	433.0	268.4	0.0	529.0	3	
1B	43	-3683	4268	1252	0	499	1313	68.5	1111.1	160.1	0.0	1179.6	1	
1C	43	-3683	-7156	-1188	0	13	-407	68.5	308.0	268.4	0.0	496.4	3	
1D	43	-3683	4268	-1188	0	13	1313	68.5	986.1	160.1	0.0	1054.6	1	
1E	43	1311	-7156	1252	0	499	-407	24.4	433.0	268.4	0.0	514.5	3	
1F	43	1311	4268	1252	0	499	1313	24.4	1111.1	160.1	0.0	1135.5	1	
1G	43	1311	-7156	-1188	0	13	-407	24.4	308.0	268.4	0.0	491.2	3	
1H	43	1311	4268	-1188	0	13	1313	24.4	986.1	160.1	0.0	1010.5	1	
1I	43	-5002	-6640	3322	0	730	-359	93.0	456.6	281.7	0.0	667.1	3	
1J	43	-5002	3752	3322	0	730	1265	93.0	1134.8	281.7	0.0	1227.8	1	
1K	43	-5002	-6640	-3258	0	-219	-359	93.0	325.1	276.2	0.0	623.1	3	
1L	43	-5002	3752	-3258	0	-219	1265	93.0	1003.2	276.2	0.0	1096.2	1	
1M	43	2630	-6640	3322	0	730	-359	48.9	456.6	281.7	0.0	650.5	3	
1N	43	2630	3752	3322	0	730	1265	48.9	1134.8	281.7	0.0	1183.7	1	
1O	43	2630	-6640	-3258	0	-219	-359	48.9	325.1	276.2	0.0	613.8	3	
1P	43	2630	3752	-3258	0	-219	1265	48.9	1003.2	276.2	0.0	1052.1	1	
2	43	-612	-1437	-1013	0	915	714	11.4	769.5	85.9	0.0	780.9	1	
7	43	-428	-1147	-990	0	687	746	8.0	735.4	83.9	0.0	743.3	1	
8	43	-839	-1667	-701	0	733	659	15.6	681.5	62.5	0.0	697.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota

	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3701	756	1448	9	9	6	1.00	1.00	1347.6	
1B	-3701	756	573	9	9	6	1.00	1.00	692.6	
1C	-3701	228	1448	9	9	6	1.00	1.00	1211.8	
1D	-3701	228	573	9	9	6	1.00	1.00	556.7	
1E	1311	756	1448	9	9	6	1.00	1.00	1302.8	
1F	1311	756	573	9	9	6	1.00	1.00	647.9	
1G	1311	228	1448	9	9	6	1.00	1.00	1167.0	
1H	1311	228	573	9	9	6	1.00	1.00	512.1	
1I	-5020	1565	1384	9	9	6	1.00	1.00	1532.2	
1J	-5020	1565	600	9	9	6	1.00	1.00	945.5	
1K	-5020	1037	1384	9	9	6	1.00	1.00	1396.3	
1L	-5020	1037	600	9	9	6	1.00	1.00	809.6	
1M	2630	1565	1384	9	9	6	1.00	1.00	1487.1	
1N	2630	1565	600	9	9	6	1.00	1.00	900.7	
1O	2630	1037	1384	9	9	6	1.00	1.00	1351.3	
1P	2630	1037	600	9	9	6	1.00	1.00	764.9	
2	-636	740	1084	9	9	6	1.00	1.00	1013.8	
7	-452	516	1043	9	9	6	1.00	1.00	921.7	
8	-862	612	1088	9	9	6	1.00	1.00	988.3	

ASTA NUM. 534 NI 409 NF 478 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3833	-86	1461	0	1289	42	71.2	362.9	123.9	0.0	434.2	1	
1B	0	-3833	92	1461	0	1289	-32	71.2	356.0	123.9	0.0	427.2	1	
1C	0	-3833	-86	247	0	343	42	71.2	119.5	20.9	0.0	190.7	1	
1D	0	-3833	92	247	0	343	-32	71.2	112.5	20.9	0.0	183.8	1	
1E	0	-709	-86	1461	0	1289	42	13.2	362.9	123.9	0.0	376.1	1	
1F	0	-709	92	1461	0	1289	-32	13.2	356.0	123.9	0.0	369.2	1	
1G	0	-709	-86	247	0	343	42	13.2	119.5	20.9	0.0	132.7	1	
1H	0	-709	92	247	0	343	-32	13.2	112.5	20.9	0.0	125.7	1	
1I	0	-4556	-144	1761	0	1678	69	84.7	483.5	149.3	0.0	568.2	1	
1J	0	-4556	149	1761	0	1678	-60	84.7	476.5	149.3	0.0	561.2	1	
1K	0	-4556	-144	-52	0	-45	69	84.7	63.4	5.4	0.0	148.1	1	
1L	0	-4556	149	-52	0	-45	-60	84.7	56.4	5.6	0.0	141.1	1	
1M	0	14	-144	1761	0	1678	69	0.3	483.5	149.3	0.0	483.7	1	
1N	0	14	149	1761	0	1678	-60	0.3	476.5	149.3	0.0	476.8	1	
1O	0	14	-144	-52	0	-45	69	0.3	63.4	5.4	0.0	63.7	1	
1P	0	14	149	-52	0	-45	-60	0.3	56.4	5.6	0.0	56.7	1	
2	0	-10450	44	4035	0	3749	-11	194.2	972.5	342.1	0.0	1180.4	3	
7	0	-8014	47	3088	0	2866	-12	149.0	746.3	261.8	0.0	903.1	3	
8	0	-8173	29	3150	0	2930	-4	151.9	757.2	267.1	0.0	922.3	3	
1A	22	-3824	-86	1461	0	977	22	71.1	267.9	123.9	0.0	352.1	3	
1B	22	-3824	92	1461	0	977	-12	71.1	260.0	123.9	0.0	351.8	3	
1C	22	-3824	-86	247	0	289	22	71.1	91.0	20.9	0.0	162.0	1	
1D	22	-3824	92	247	0	289	-12	71.1	83.1	20.9	0.0	154.2	1	
1E	22	-700	-86	1461	0	977	22	13.0	267.9	123.9	0.0	304.8	3	
1F	22	-700	92	1461	0	977	-12	13.0	260.0	123.9	0.0	304.6	3	
1G	22	-700	-86	247	0	289	22	13.0	91.0	20.9	0.0	104.0	1	
1H	22	-700	92	247	0	289	-12	13.0	83.1	20.9	0.0	96.1	1	
1I	22	-4547	-144	1761	0	1301	39	84.5	364.1	149.3	0.0	448.6	1	
1J	22	-4547	149	1761	0	1301	-29	84.5	356.2	149.3	0.0	447.6	3	
1K	22	-4547	-144	-52	0	-35	39	84.5	38.5	5.4	0.0	123.0	1	
1L	22	-4547	149	-52	0	-35	-29	84.5	30.6	5.6	0.0	115.1	1	
1M	22	23	-144	1761	0	1301	39	0.4	364.1	149.3	0.0	378.0	3	
1N	22	23	149	1761	0	1301	-29	0.4	356.2	149.3	0.0	377.8	3	
1O	22	23	-144	-52	0	-35	39	0.4	38.5	5.4	0.0	38.9	1	
1P	22	23	149	-52	0	-35	-29	0.4	30.6	5.6	0.0	31.0	1	
2	22	-10435	44	4035	0	2882	-1	194.0	742.2	342.1	0.0	1004.9	3	
7	22	-8002	47	3088	0	2202	-2	148.7	568.1	261.8	0.0	768.8	3	
8	22	-8161	29	3150	0	2252	2	151.7	581.0	267.1	0.0	785.4	3	
1A	43	-3815	-86	1461	0	664	3	70.9	172.9	123.9	0.0	293.5	3	
1B	43	-3815	92	1461	0	664	9	70.9	177.4	123.9	0.0	293.6	3	
1C	43	-3815	-86	247	0	235	3	70.9	62.4	20.9	0.0	133.3	1	
1D	43	-3815	92	247	0	235	9	70.9	67.0	20.9	0.0	137.9	1	
1E	43	-691	-86	1461	0	664	3	12.8	172.9	123.9	0.0	252.0	3	
1F	43	-691	92	1461	0	664	9	12.8	177.4	123.9	0.0	252.1	3	
1G	43	-691	-86	247	0	235	3	12.8	62.4	20.9	0.0	75.3	1	
1H	43	-691	92	247	0	235	9	12.8	67.0	20.9	0.0	79.9	1	
1I	43	-4538	-144	1761	0	923	10	84.3	244.7	149.3	0.0	375.1	3	
1J	43	-4538	149	1761	0	923	2	84.3	239.1	149.3	0.0	374.9	3	
1K	43	-4538	-144	-52	0	-25	10	84.3	13.5	5.4	0.0	97.9	1	
1L	43	-4538	149	-52	0	-25	2	84.3	8.0	5.6	0.0	92.4	1	
1M	43	32	-144	1761	0	923	10	0.6	244.7	149.3	0.0	312.9	3	
1N	43	32	149	1761	0	923	2	0.6	239.1	149.3	0.0	312.8	3	
1O	43	32	-144	-52	0	-25	10	0.6	13.5	5.4	0.0	14.1	1	
1P	43	32	149	-52	0	-25	2	0.6	8.0	5.6	0.0	13.4	3	
2	43	-10420	44	4035	0	2014	8	193.7	524.6	342.1	0.0	840.9	3	
7	43	-7991	47	3088	0	1539	8	148.5	402.2	261.8	0.0	643.4	3	
8	43	-8149	29	3150	0	1575	8	151.5	411.4	267.1	0.0	657.2	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

	kg	kg*m							kg/cmq
1A	-3833	1039	26	9	9	6	1.00	1.00	358.3
1B	-3833	1039	16	9	9	6	1.00	1.00	350.6
1C	-3833	300	26	9	9	6	1.00	1.00	167.9
1D	-3833	300	16	9	9	6	1.00	1.00	160.3
1E	-709	1039	26	9	9	6	1.00	1.00	300.1
1F	-709	1039	16	9	9	6	1.00	1.00	292.4
1G	-709	300	26	9	9	6	1.00	1.00	109.9
1H	-709	300	16	9	9	6	1.00	1.00	102.2
1I	-4556	1376	45	9	9	6	1.00	1.00	472.8
1J	-4556	1376	35	9	9	6	1.00	1.00	465.1
1K	-4556	37	45	9	9	6	1.00	1.00	128.2
1L	-4556	37	35	9	9	6	1.00	1.00	120.5
1M	32	1376	45	9	9	6	1.00	1.00	388.6
1N	32	1376	35	9	9	6	1.00	1.00	380.9
1O	32	37	45	9	9	6	1.00	1.00	44.0
1P	32	37	35	9	9	6	1.00	1.00	36.4
2	-10450	3055	4	9	9	6	1.00	1.00	984.2
7	-8014	2335	5	9	9	6	1.00	1.00	753.8
8	-8173	2388	3	9	9	6	1.00	1.00	769.3

ASTA NUM. 535 NI 411 NF 518 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3360	-135	1310	0	1065	48	62.5	310.2	111.1	0.0	372.7	1	
1B	0	-3360	165	1310	0	1065	-63	62.5	321.5	111.1	0.0	384.0	1	
1C	0	-3360	-135	155	0	370	48	62.5	131.4	13.1	0.0	193.8	1	
1D	0	-3360	165	155	0	370	-63	62.5	142.7	13.1	0.0	205.1	1	
1E	0	-566	-135	1310	0	1065	48	10.5	310.2	111.1	0.0	320.8	1	
1F	0	-566	165	1310	0	1065	-63	10.5	321.5	111.1	0.0	332.0	1	
1G	0	-566	-135	155	0	370	48	10.5	131.4	13.1	0.0	141.9	1	
1H	0	-566	165	155	0	370	-63	10.5	142.7	13.1	0.0	153.2	1	
1I	0	-2588	-155	970	0	994	64	48.1	303.7	82.2	0.0	351.8	1	
1J	0	-2588	185	970	0	994	-79	48.1	315.0	82.2	0.0	363.1	1	
1K	0	-2588	-155	495	0	442	64	48.1	161.6	41.9	0.0	209.7	1	
1L	0	-2588	185	495	0	442	-79	48.1	172.9	41.9	0.0	221.0	1	
1M	0	-1338	-155	970	0	994	64	24.9	303.7	82.2	0.0	328.5	1	
1N	0	-1338	185	970	0	994	-79	24.9	315.0	82.2	0.0	339.8	1	
1O	0	-1338	-155	495	0	442	64	24.9	161.6	41.9	0.0	186.5	1	
1P	0	-1338	185	495	0	442	-79	24.9	172.9	41.9	0.0	197.7	1	
2	0	-9182	96	3525	0	3308	-48	170.7	887.3	298.9	0.0	1058.0	1	
7	0	-7232	96	2798	0	2588	-47	134.4	701.1	237.2	0.0	835.5	1	
8	0	-7111	70	2714	0	2567	-35	132.2	686.8	230.1	0.0	819.0	1	
1A	22	-3351	-135	1310	0	799	19	62.3	219.4	111.1	0.0	299.7	3	
1B	22	-3351	165	1310	0	799	-27	62.3	225.9	111.1	0.0	300.0	3	
1C	22	-3351	-135	155	0	322	19	62.3	96.8	13.1	0.0	159.1	1	
1D	22	-3351	165	155	0	322	-27	62.3	103.3	13.1	0.0	165.6	1	
1E	22	-557	-135	1310	0	799	19	10.4	219.4	111.1	0.0	258.7	3	
1F	22	-557	165	1310	0	799	-27	10.4	225.9	111.1	0.0	258.9	3	
1G	22	-557	-135	155	0	322	19	10.4	96.8	13.1	0.0	107.1	1	
1H	22	-557	165	155	0	322	-27	10.4	103.3	13.1	0.0	113.7	1	
1I	22	-2579	-155	970	0	811	29	47.9	230.6	82.2	0.0	278.5	1	
1J	22	-2579	185	970	0	811	-38	47.9	237.1	82.2	0.0	285.1	1	
1K	22	-2579	-155	495	0	310	29	47.9	101.7	41.9	0.0	149.7	1	
1L	22	-2579	185	495	0	310	-38	47.9	108.2	41.9	0.0	156.2	1	
1M	22	-1329	-155	970	0	811	29	24.7	230.6	82.2	0.0	255.3	1	
1N	22	-1329	185	970	0	811	-38	24.7	237.1	82.2	0.0	261.8	1	
1O	22	-1329	-155	495	0	310	29	24.7	101.7	41.9	0.0	126.4	1	
1P	22	-1329	185	495	0	310	-38	24.7	108.2	41.9	0.0	132.9	1	
2	22	-9170	96	3525	0	2550	-28	170.5	676.7	298.9	0.0	885.8	3	
7	22	-7220	96	2798	0	1986	-26	134.2	530.8	237.2	0.0	694.9	3	
8	22	-7099	70	2714	0	1984	-20	132.0	525.5	230.1	0.0	686.6	3	
1A	43	-3342	-135	1310	0	532	-11	62.1	145.2	111.1	0.0	251.4	3	
1B	43	-3342	165	1310	0	532	9	62.1	143.4	111.1	0.0	251.4	3	
1C	43	-3342	-135	155	0	274	-11	62.1	78.8	13.1	0.0	140.9	1	
1D	43	-3342	165	155	0	274	9	62.1	77.0	13.1	0.0	139.1	1	
1E	43	-548	-135	1310	0	532	-11	10.2	145.2	111.1	0.0	216.1	3	
1F	43	-548	165	1310	0	532	9	10.2	143.4	111.1	0.0	216.1	3	
1G	43	-548	-135	155	0	274	-11	10.2	78.8	13.1	0.0	89.0	1	
1H	43	-548	165	155	0	274	9	10.2	77.0	13.1	0.0	87.2	1	
1I	43	-2570	-155	970	0	628	-5	47.8	165.5	82.2	0.0	230.2	3	
1J	43	-2570	185	970	0	628	3	47.8	163.7	82.2	0.0	230.2	3	
1K	43	-2570	-155	495	0	178	-5	47.8	49.8	41.9	0.0	110.2	3	
1L	43	-2570	185	495	0	178	3	47.8	48.1	41.9	0.0	110.3	3	
1M	43	-1320	-155	970	0	628	-5	24.5	165.5	82.2	0.0	211.2	3	
1N	43	-1320	185	970	0	628	3	24.5	163.7	82.2	0.0	211.2	3	
1O	43	-1320	-155	495	0	178	-5	24.5	49.8	41.9	0.0	92.4	3	
1P	43	-1320	185	495	0	178	3	24.5	48.1	41.9	0.0	92.6	3	
2	43	-9159	96	3525	0	1792	-7	170.2	466.2	298.9	0.0	741.4	3	
7	43	-7209	96	2798	0	1385	-5	134.0	360.5	237.2	0.0	580.8	3	
8	43	-7087	70	2714	0	1400	-5	131.7	364.2	230.1	0.0	575.0	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-3360	852	25	9	9	6	1.00	1.00	300.1
1B	-3360	852	34	9	9	6	1.00	1.00	307.6
1C	-3360	332	25	9	9	6	1.00	1.00	166.2
1D	-3360	332	34	9	9	6	1.00	1.00	173.7
1E	-566	852	25	9	9	6	1.00	1.00	248.1
1F	-566	852	34	9	9	6	1.00	1.00	255.6
1G	-566	332	25	9	9	6	1.00	1.00	114.2
1H	-566	332	34	9	9	6	1.00	1.00	121.7
1I	-2588	847	36	9	9	6	1.00	1.00	293.4
1J	-2588	847	46	9	9	6	1.00	1.00	300.9
1K	-2588	336	36	9	9	6	1.00	1.00	161.8
1L	-2588	336	46	9	9	6	1.00	1.00	169.3
1M	-1338	847	36	9	9	6	1.00	1.00	270.1
1N	-1338	847	46	9	9	6	1.00	1.00	277.6
1O	-1338	336	36	9	9	6	1.00	1.00	138.6
1P	-1338	336	46	9	9	6	1.00	1.00	146.0
2	-9182	2702	32	9	9	6	1.00	1.00	890.1
7	-7232	2107	30	9	9	6	1.00	1.00	699.6
8	-7111	2100	23	9	9	6	1.00	1.00	690.3

ASTA NUM. 536 NI 412 NF 538 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2203	-96	375	0	270	35	40.9	95.6	31.8	0.0	136.5	1	
1B	0	-2203	125	375	0	270	-50	40.9	106.7	31.8	0.0	147.6	1	
1C	0	-2203	-96	-63	0	-168	35	40.9	69.3	5.3	0.0	110.2	1	
1D	0	-2203	125	-63	0	-168	-50	40.9	80.4	5.3	0.0	121.3	1	
1E	0	1748	-96	375	0	270	35	32.5	95.6	31.8	0.0	128.1	1	
1F	0	1748	125	375	0	270	-50	32.5	106.7	31.8	0.0	139.2	1	
1G	0	1748	-96	-63	0	-168	35	32.5	69.3	5.3	0.0	101.8	1	
1H	0	1748	125	-63	0	-168	-50	32.5	80.4	5.3	0.0	112.9	1	
1I	0	-1971	-105	312	0	274	44	36.6	103.3	26.4	0.0	140.0	1	
1J	0	-1971	134	312	0	274	-59	36.6	114.4	26.4	0.0	151.1	1	
1K	0	-1971	-105	0	0	-172	44	36.6	77.0	3.9	0.0	113.7	1	
1L	0	-1971	134	0	0	-172	-59	36.6	88.1	5.0	0.0	124.8	1	
1M	0	1516	-105	312	0	274	44	28.2	103.3	26.4	0.0	131.5	1	
1N	0	1516	134	312	0	274	-59	28.2	114.4	26.4	0.0	142.6	1	
1O	0	1516	-105	0	0	-172	44	28.2	77.0	3.9	0.0	105.2	1	
1P	0	1516	134	0	0	-172	-59	28.2	88.1	5.0	0.0	116.3	1	
2	0	613	85	418	0	-13	-43	11.4	35.8	35.4	0.0	62.6	4	
7	0	557	83	340	0	-20	-41	10.3	35.9	28.8	0.0	51.1	4	
8	0	507	63	332	0	-14	-32	9.4	27.9	28.2	0.0	49.9	4	
1A	22	-2194	-96	375	0	192	14	40.8	59.8	31.8	0.0	100.6	1	
1B	22	-2194	125	375	0	192	-22	40.8	66.3	31.8	0.0	107.1	1	
1C	22	-2194	-96	-63	0	-157	14	40.8	50.7	5.3	0.0	91.5	1	
1D	22	-2194	125	-63	0	-157	-22	40.8	57.2	5.3	0.0	98.0	1	
1E	22	1757	-96	375	0	192	14	32.7	59.8	31.8	0.0	92.5	1	
1F	22	1757	125	375	0	192	-22	32.7	66.3	31.8	0.0	98.9	1	
1G	22	1757	-96	-63	0	-157	14	32.7	50.7	5.3	0.0	83.4	1	
1H	22	1757	125	-63	0	-157	-22	32.7	57.2	5.3	0.0	89.9	1	
1I	22	-1962	-105	312	0	217	20	36.5	70.6	26.4	0.0	107.1	1	
1J	22	-1962	134	312	0	217	-28	36.5	77.1	26.4	0.0	113.6	1	
1K	22	-1962	-105	0	0	-182	20	36.5	61.6	3.9	0.0	98.1	1	
1L	22	-1962	134	0	0	-182	-28	36.5	68.1	5.0	0.0	104.6	1	
1M	22	1526	-105	312	0	217	20	28.4	70.6	26.4	0.0	99.0	1	
1N	22	1526	134	312	0	217	-28	28.4	77.1	26.4	0.0	105.5	1	
1O	22	1526	-105	0	0	-182	20	28.4	61.6	3.9	0.0	89.9	1	
1P	22	1526	134	0	0	-182	-28	28.4	68.1	5.0	0.0	96.4	1	
2	22	625	85	443	0	-105	-25	11.6	45.9	37.5	0.0	68.4	3	
7	22	568	83	357	0	-95	-23	10.6	41.9	30.3	0.0	57.2	3	
8	22	519	63	357	0	-88	-19	9.6	36.8	30.3	0.0	55.6	3	
1A	43	-2185	-96	375	0	115	-8	40.6	35.3	31.8	0.0	83.3	3	
1B	43	-2185	125	375	0	115	5	40.6	33.4	31.8	0.0	83.4	3	
1C	43	-2185	-96	-63	0	-147	-8	40.6	43.5	5.3	0.0	84.1	1	
1D	43	-2185	125	-63	0	-147	5	40.6	41.6	5.3	0.0	82.2	1	
1E	43	1766	-96	375	0	115	-8	32.8	35.3	31.8	0.0	77.2	3	
1F	43	1766	125	375	0	115	5	32.8	33.4	31.8	0.0	77.3	3	
1G	43	1766	-96	-63	0	-147	-8	32.8	43.5	5.3	0.0	76.3	1	
1H	43	1766	125	-63	0	-147	5	32.8	41.6	5.3	0.0	74.4	1	
1I	43	-1953	-105	312	0	161	-5	36.3	44.8	26.4	0.0	84.1	3	
1J	43	-1953	134	312	0	161	2	36.3	42.9	26.4	0.0	84.2	3	
1K	43	-1953	-105	0	0	-193	-5	36.3	53.0	3.9	0.0	89.3	1	
1L	43	-1953	134	0	0	-193	2	36.3	51.1	5.0	0.0	87.4	1	
1M	43	1535	-105	312	0	161	-5	28.5	44.8	26.4	0.0	77.4	3	
1N	43	1535	134	312	0	161	2	28.5	42.9	26.4	0.0	77.6	3	
1O	43	1535	-105	0	0	-193	-5	28.5	53.0	3.9	0.0	81.5	1	
1P	43	1535	134	0	0	-193	2	28.5	51.1	5.0	0.0	79.6	1	
2	43	637	85	468	0	-203	-7	11.8	57.4	39.6	0.0	84.7	3	
7	43	580	83	374	0	-174	-5	10.8	48.9	31.7	0.0	70.7	3	
8	43	531	63	382	0	-168	-5	9.9	47.1	32.4	0.0	69.6	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-2203	208	18	9	9	6	1.00	1.00	107.9
1B	-2203	208	28	9	9	6	1.00	1.00	115.3
1C	-2203	159	18	9	9	6	1.00	1.00	95.4
1D	-2203	159	28	9	9	6	1.00	1.00	102.8
1E	1766	208	18	9	9	6	1.00	1.00	99.8
1F	1766	208	28	9	9	6	1.00	1.00	107.2
1G	1766	159	18	9	9	6	1.00	1.00	87.3
1H	1766	159	28	9	9	6	1.00	1.00	94.7
1I	-1971	229	25	9	9	6	1.00	1.00	113.8
1J	-1971	229	34	9	9	6	1.00	1.00	121.2
1K	-1971	184	25	9	9	6	1.00	1.00	102.4
1L	-1971	184	34	9	9	6	1.00	1.00	109.8
1M	1535	229	25	9	9	6	1.00	1.00	105.7
1N	1535	229	34	9	9	6	1.00	1.00	113.1
1O	1535	184	25	9	9	6	1.00	1.00	94.3
1P	1535	184	34	9	9	6	1.00	1.00	101.7
2	637	127	29	9	9	6	1.00	1.00	66.1
7	580	113	27	9	9	6	1.00	1.00	59.8
8	531	106	22	9	9	6	1.00	1.00	53.4

ASTA NUM. 537 NI 413 NF 869 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-6199	-3481	623	0	741	611	115.2	648.2	130.6	0.0	763.4	1	
1B	0	-6199	7499	623	0	741	-2639	115.2	2166.2	281.2	0.0	2281.4	1	
1C	0	-6199	-3481	-2038	0	-572	611	115.2	604.8	172.8	0.0	720.0	1	
1D	0	-6199	7499	-2038	0	-572	-2639	115.2	2122.7	281.2	0.0	2238.0	1	
1E	0	-2281	-3481	623	0	741	611	42.4	648.2	130.6	0.0	690.6	1	
1F	0	-2281	7499	623	0	741	-2639	42.4	2166.2	281.2	0.0	2208.6	1	
1G	0	-2281	-3481	-2038	0	-572	611	42.4	604.8	172.8	0.0	647.2	1	
1H	0	-2281	7499	-2038	0	-572	-2639	42.4	2122.7	281.2	0.0	2165.1	1	
1I	0	-9185	-2976	2837	0	1917	494	170.7	862.7	240.5	0.0	1033.4	1	
1J	0	-9185	6994	2837	0	1917	-2522	170.7	2380.7	262.3	0.0	2551.4	1	
1K	0	-9185	-2976	-4252	0	-1748	494	170.7	819.3	360.5	0.0	990.0	1	
1L	0	-9185	6994	-4252	0	-1748	-2522	170.7	2337.2	360.5	0.0	2508.0	1	
1M	0	705	-2976	2837	0	1917	494	13.1	862.7	240.5	0.0	875.8	1	
1N	0	705	6994	2837	0	1917	-2522	13.1	2380.7	262.3	0.0	2393.8	1	
1O	0	705	-2976	-4252	0	-1748	494	13.1	819.3	360.5	0.0	832.4	1	
1P	0	705	6994	-4252	0	-1748	-2522	13.1	2337.2	360.5	0.0	2350.3	1	
2	0	-3674	2028	-1832	0	296	-1263	68.3	1021.4	155.3	0.0	1089.7	1	
7	0	-3627	1785	-1827	0	70	-1167	67.4	891.4	154.9	0.0	958.8	1	
8	0	-4193	2298	-1568	0	229	-1305	77.9	1035.6	133.0	0.0	1113.6	1	
1A	22	-6189	-3481	623	0	666	-141	115.0	277.2	130.6	0.0	392.2	1	
1B	22	-6189	7499	623	0	666	-1023	115.0	936.9	281.2	0.0	1051.9	1	
1C	22	-6189	-3481	-2038	0	-193	-141	115.0	155.5	172.8	0.0	384.4	3	
1D	22	-6189	7499	-2038	0	-193	-1023	115.0	815.1	281.2	0.0	930.2	1	
1E	22	-2272	-3481	623	0	666	-141	42.2	277.2	130.6	0.0	319.4	1	
1F	22	-2272	7499	623	0	666	-1023	42.2	936.9	281.2	0.0	979.1	1	
1G	22	-2272	-3481	-2038	0	-193	-141	42.2	155.5	172.8	0.0	359.7	3	
1H	22	-2272	7499	-2038	0	-193	-1023	42.2	815.1	281.2	0.0	857.4	1	
1I	22	-9175	-2976	2837	0	1331	-160	170.5	462.3	240.5	0.0	636.0	3	
1J	22	-9175	6994	2837	0	1331	-1004	170.5	1094.3	262.3	0.0	1264.8	1	
1K	22	-9175	-2976	-4252	0	-858	-160	170.5	340.6	360.5	0.0	693.5	3	
1L	22	-9175	6994	-4252	0	-858	-1004	170.5	972.6	360.5	0.0	1143.1	1	
1M	22	714	-2976	2837	0	1331	-160	13.3	462.3	240.5	0.0	527.2	3	
1N	22	714	6994	2837	0	1331	-1004	13.3	1094.3	262.3	0.0	1107.6	1	
1O	22	714	-2976	-4252	0	-858	-160	13.3	340.6	360.5	0.0	624.6	4	
1P	22	714	6994	-4252	0	-858	-1004	13.3	972.6	360.5	0.0	985.9	1	
2	22	-3662	2028	-1832	0	689	-827	68.1	796.5	155.3	0.0	864.6	1	
7	22	-3615	1785	-1827	0	462	-783	67.2	705.1	154.9	0.0	772.3	1	
8	22	-4181	2298	-1568	0	566	-811	77.7	752.7	133.0	0.0	830.4	1	
1A	43	-6180	-3481	623	0	591	-894	114.9	821.3	130.6	0.0	936.2	1	
1B	43	-6180	7499	623	0	591	594	114.9	596.5	281.2	0.0	711.3	1	
1C	43	-6180	-3481	-2038	0	186	-894	114.9	717.3	172.8	0.0	832.2	1	
1D	43	-6180	7499	-2038	0	186	594	114.9	492.4	281.2	0.0	607.3	1	
1E	43	-2262	-3481	623	0	591	-894	42.0	821.3	130.6	0.0	863.4	1	
1F	43	-2262	7499	623	0	591	594	42.0	596.5	281.2	0.0	638.5	1	
1G	43	-2262	-3481	-2038	0	186	-894	42.0	717.3	172.8	0.0	759.3	1	
1H	43	-2262	7499	-2038	0	186	594	42.0	492.4	281.2	0.0	563.3	3	
1I	43	-9166	-2976	2837	0	746	-814	170.4	801.0	240.5	0.0	971.4	1	
1J	43	-9166	6994	2837	0	746	513	170.4	576.2	262.3	0.0	746.5	1	
1K	43	-9166	-2976	-4252	0	31	-814	170.4	616.9	360.5	0.0	787.3	1	
1L	43	-9166	6994	-4252	0	31	513	170.4	392.0	360.5	0.0	740.0	3	
1M	43	724	-2976	2837	0	746	-814	13.5	801.0	240.5	0.0	814.5	1	
1N	43	724	6994	2837	0	746	513	13.5	576.2	262.3	0.0	617.5	3	
1O	43	724	-2976	-4252	0	31	-814	13.5	616.9	360.5	0.0	630.3	1	
1P	43	724	6994	-4252	0	31	513	13.5	392.0	360.5	0.0	715.9	3	
2	43	-3651	2028	-1832	0	1083	-391	67.9	571.6	155.3	0.0	639.5	1	
7	43	-3603	1785	-1827	0	855	-399	67.0	518.8	154.9	0.0	585.8	1	
8	43	-4169	2298	-1568	0	903	-317	77.5	469.7	133.0	0.0	547.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	

1A	-6199	681	358	9	9	6	1.00	1.00	558.4
1B	-6199	681	1346	9	9	6	1.00	1.00	1298.6
1C	-6199	269	358	9	9	6	1.00	1.00	452.3
1D	-6199	269	1346	9	9	6	1.00	1.00	1192.5
1E	-2281	681	358	9	9	6	1.00	1.00	485.4
1F	-2281	681	1346	9	9	6	1.00	1.00	1225.4
1G	-2281	269	358	9	9	6	1.00	1.00	379.3
1H	-2281	269	1346	9	9	6	1.00	1.00	1119.3
1I	-9185	1449	325	9	9	6	1.00	1.00	787.5
1J	-9185	1449	1308	9	9	6	1.00	1.00	1523.4
1K	-9185	1036	325	9	9	6	1.00	1.00	681.4
1L	-9185	1036	1308	9	9	6	1.00	1.00	1417.3
1M	724	1449	325	9	9	6	1.00	1.00	629.8
1N	724	1449	1308	9	9	6	1.00	1.00	1365.0
1O	724	1036	325	9	9	6	1.00	1.00	523.7
1P	724	1036	1308	9	9	6	1.00	1.00	1259.0
2	-3674	768	914	9	9	6	1.00	1.00	950.6
7	-3627	541	860	9	9	6	1.00	1.00	850.5
8	-4193	633	910	9	9	6	1.00	1.00	922.2

ASTA NUM. 538 NI 415 NF 643 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		kg			kg*m				kg/cmq				
1A	0	-3754	-92	1436	0	1276	32	69.8	352.5	121.8	0.0	422.3	1	
1B	0	-3754	80	1436	0	1276	-40	69.8	358.6	121.8	0.0	428.4	1	
1C	0	-3754	-92	237	0	338	32	69.8	111.1	20.1	0.0	180.9	1	
1D	0	-3754	80	237	0	338	-40	69.8	117.2	20.1	0.0	187.0	1	
1E	0	-714	-92	1436	0	1276	32	13.3	352.5	121.8	0.0	365.8	1	
1F	0	-714	80	1436	0	1276	-40	13.3	358.6	121.8	0.0	371.9	1	
1G	0	-714	-92	237	0	338	32	13.3	111.1	20.1	0.0	124.4	1	
1H	0	-714	80	237	0	338	-40	13.3	117.2	20.1	0.0	130.5	1	
1I	0	-4537	-147	1764	0	1673	58	84.3	474.2	149.6	0.0	558.5	1	
1J	0	-4537	134	1764	0	1673	-66	84.3	480.3	149.6	0.0	564.6	1	
1K	0	-4537	-147	-91	0	-59	58	84.3	58.9	7.7	0.0	143.2	1	
1L	0	-4537	134	-91	0	-59	-66	84.3	65.0	7.7	0.0	149.3	1	
1M	0	69	-147	1764	0	1673	58	1.3	474.2	149.6	0.0	475.5	1	
1N	0	69	134	1764	0	1673	-66	1.3	480.3	149.6	0.0	481.5	1	
1O	0	69	-147	-91	0	-59	58	1.3	58.9	7.7	0.0	60.2	1	
1P	0	69	134	-91	0	-59	-66	1.3	65.0	7.7	0.0	66.2	1	
2	0	-10370	-44	3996	0	3731	9	192.8	967.0	338.8	0.0	1173.1	3	
7	0	-7943	-48	3051	0	2849	11	147.6	741.3	258.7	0.0	896.2	3	
8	0	-8106	-30	3116	0	2913	4	150.7	752.3	264.2	0.0	915.7	3	
1A	22	-3744	-92	1436	0	969	11	69.6	257.8	121.8	0.0	347.3	3	
1B	22	-3744	80	1436	0	969	-22	69.6	265.9	121.8	0.0	347.5	3	
1C	22	-3744	-92	237	0	286	11	69.6	82.1	20.1	0.0	151.7	1	
1D	22	-3744	80	237	0	286	-22	69.6	90.2	20.1	0.0	159.8	1	
1E	22	-705	-92	1436	0	969	11	13.1	257.8	121.8	0.0	301.2	3	
1F	22	-705	80	1436	0	969	-22	13.1	265.9	121.8	0.0	301.4	3	
1G	22	-705	-92	237	0	286	11	13.1	82.1	20.1	0.0	95.1	1	
1H	22	-705	80	237	0	286	-22	13.1	90.2	20.1	0.0	103.3	1	
1I	22	-4528	-147	1764	0	1295	28	84.2	353.9	149.6	0.0	446.4	3	
1J	22	-4528	134	1764	0	1295	-39	84.2	362.1	149.6	0.0	446.6	3	
1K	22	-4528	-147	-91	0	-41	28	84.2	31.2	7.7	0.0	115.4	1	
1L	22	-4528	134	-91	0	-41	-39	84.2	39.3	7.7	0.0	123.5	1	
1M	22	79	-147	1764	0	1295	28	1.5	353.9	149.6	0.0	377.9	3	
1N	22	79	134	1764	0	1295	-39	1.5	362.1	149.6	0.0	378.0	3	
1O	22	79	-147	-91	0	-41	28	1.5	31.2	7.7	0.0	32.7	1	
1P	22	79	134	-91	0	-41	-39	1.5	39.3	7.7	0.0	40.8	1	
2	22	-10360	-44	3996	0	2872	-0	192.6	739.0	338.8	0.0	999.1	3	
7	22	-7932	-48	3051	0	2193	1	147.4	564.9	258.7	0.0	763.3	3	
8	22	-8094	-30	3116	0	2243	-3	150.5	579.3	264.2	0.0	780.2	3	
1A	43	-3735	-92	1436	0	661	-9	69.4	177.2	121.8	0.0	289.9	3	
1B	43	-3735	80	1436	0	661	-4	69.4	173.2	121.8	0.0	289.8	3	
1C	43	-3735	-92	237	0	233	-9	69.4	67.1	20.1	0.0	136.6	1	
1D	43	-3735	80	237	0	233	-4	69.4	63.2	20.1	0.0	132.6	1	
1E	43	-695	-92	1436	0	661	-9	12.9	177.2	121.8	0.0	249.4	3	
1F	43	-695	80	1436	0	661	-4	12.9	173.2	121.8	0.0	249.3	3	
1G	43	-695	-92	237	0	233	-9	12.9	67.1	20.1	0.0	80.1	1	
1H	43	-695	80	237	0	233	-4	12.9	63.2	20.1	0.0	76.1	1	
1I	43	-4518	-147	1764	0	916	-3	84.0	237.8	149.6	0.0	373.7	3	
1J	43	-4518	134	1764	0	916	-11	84.0	243.9	149.6	0.0	373.9	3	
1K	43	-4518	-147	-91	0	-22	-3	84.0	7.7	7.7	0.0	91.7	1	
1L	43	-4518	134	-91	0	-22	-11	84.0	13.7	7.7	0.0	97.7	1	
1M	43	88	-147	1764	0	916	-3	1.6	237.8	149.6	0.0	312.8	3	
1N	43	88	134	1764	0	916	-11	1.6	243.9	149.6	0.0	312.9	3	
1O	43	88	-147	-91	0	-22	-3	1.6	7.7	7.7	0.0	16.6	3	
1P	43	88	134	-91	0	-22	-11	1.6	13.7	7.7	0.0	16.2	3	
2	43	-10350	-44	3996	0	2012	-10	192.4	524.9	338.8	0.0	836.4	3	
7	43	-7920	-48	3051	0	1537	-9	147.2	402.6	258.7	0.0	639.1	3	
8	43	-8083	-30	3116	0	1573	-9	150.2	411.8	264.2	0.0	653.2	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3754	1030	16	9	9	6	1.00	1.00	346.6	

1B	-3754	1030	26	9	9	6	1.00	1.00	354.3
1C	-3754	296	16	9	9	6	1.00	1.00	157.7
1D	-3754	296	26	9	9	6	1.00	1.00	165.4
1E	-714	1030	16	9	9	6	1.00	1.00	290.0
1F	-714	1030	26	9	9	6	1.00	1.00	297.7
1G	-714	296	16	9	9	6	1.00	1.00	101.1
1H	-714	296	26	9	9	6	1.00	1.00	108.9
1I	-4537	1370	34	9	9	6	1.00	1.00	462.5
1J	-4537	1370	44	9	9	6	1.00	1.00	470.2
1K	-4537	44	34	9	9	6	1.00	1.00	121.1
1L	-4537	44	44	9	9	6	1.00	1.00	128.8
1M	88	1370	34	9	9	6	1.00	1.00	379.6
1N	88	1370	44	9	9	6	1.00	1.00	387.3
1O	88	44	34	9	9	6	1.00	1.00	38.4
1P	88	44	44	9	9	6	1.00	1.00	46.1
2	-10370	3043	4	9	9	6	1.00	1.00	979.5
7	-7943	2324	4	9	9	6	1.00	1.00	749.4
8	-8106	2377	4	9	9	6	1.00	1.00	765.9

ASTA NUM. 539 NI 417 NF 683 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-3303	-126	1314	0	1036	45	61.4	300.5	111.4	0.0	361.9	1	
1B	0	-3303	89	1314	0	1036	-27	61.4	287.0	111.4	0.0	348.4	1	
1C	0	-3303	-126	130	0	382	45	61.4	132.4	11.0	0.0	193.8	1	
1D	0	-3303	89	130	0	382	-27	61.4	118.8	11.0	0.0	180.2	1	
1E	0	-565	-126	1314	0	1036	45	10.5	300.5	111.4	0.0	311.0	1	
1F	0	-565	89	1314	0	1036	-27	10.5	287.0	111.4	0.0	302.5	3	
1G	0	-565	-126	130	0	382	45	10.5	132.4	11.0	0.0	142.9	1	
1H	0	-565	89	130	0	382	-27	10.5	118.8	11.0	0.0	129.4	1	
1I	0	-2544	-146	964	0	981	62	47.3	298.6	81.7	0.0	345.9	1	
1J	0	-2544	108	964	0	981	-44	47.3	285.1	81.7	0.0	332.4	1	
1K	0	-2544	-146	480	0	437	62	47.3	158.7	40.7	0.0	206.0	1	
1L	0	-2544	108	480	0	437	-44	47.3	145.2	40.7	0.0	192.5	1	
1M	0	-1324	-146	964	0	981	62	24.6	298.6	81.7	0.0	323.2	1	
1N	0	-1324	108	964	0	981	-44	24.6	285.1	81.7	0.0	309.7	1	
1O	0	-1324	-146	480	0	437	62	24.6	158.7	40.7	0.0	183.3	1	
1P	0	-1324	108	480	0	437	-44	24.6	145.2	40.7	0.0	169.8	1	
2	0	-9102	-89	3501	0	3276	45	169.2	876.3	296.9	0.0	1045.5	1	
7	0	-7165	-88	2776	0	2562	43	133.2	691.3	235.4	0.0	824.4	1	
8	0	-7041	-67	2693	0	2540	34	130.9	678.7	228.3	0.0	809.6	1	
1A	22	-3294	-126	1314	0	776	17	61.2	212.8	111.4	0.0	294.9	3	
1B	22	-3294	89	1314	0	776	-7	61.2	205.3	111.4	0.0	294.7	3	
1C	22	-3294	-126	130	0	331	17	61.2	98.3	11.0	0.0	159.5	1	
1D	22	-3294	89	130	0	331	-7	61.2	90.8	11.0	0.0	152.0	1	
1E	22	-556	-126	1314	0	776	17	10.3	212.8	111.4	0.0	255.2	3	
1F	22	-556	89	1314	0	776	-7	10.3	205.3	111.4	0.0	254.9	3	
1G	22	-556	-126	130	0	331	17	10.3	98.3	11.0	0.0	108.6	1	
1H	22	-556	89	130	0	331	-7	10.3	90.8	11.0	0.0	101.1	1	
1I	22	-2536	-146	964	0	802	29	47.1	228.0	81.7	0.0	275.2	1	
1J	22	-2536	108	964	0	802	-19	47.1	220.5	81.7	0.0	267.6	1	
1K	22	-2536	-146	480	0	306	29	47.1	100.4	40.7	0.0	147.5	1	
1L	22	-2536	108	480	0	306	-19	47.1	92.9	40.7	0.0	140.0	1	
1M	22	-1314	-146	964	0	802	29	24.4	228.0	81.7	0.0	252.5	1	
1N	22	-1314	108	964	0	802	-19	24.4	220.5	81.7	0.0	244.9	1	
1O	22	-1314	-146	480	0	306	29	24.4	100.4	40.7	0.0	124.8	1	
1P	22	-1314	108	480	0	306	-19	24.4	92.9	40.7	0.0	117.3	1	
2	22	-9090	-89	3501	0	2524	25	169.0	668.4	296.9	0.0	877.6	3	
7	22	-7154	-88	2776	0	1965	24	133.0	523.6	235.4	0.0	688.1	3	
8	22	-7030	-67	2693	0	1961	19	130.7	519.0	228.3	0.0	679.6	3	
1A	43	-3285	-126	1314	0	517	-11	61.1	140.9	111.4	0.0	248.4	3	
1B	43	-3285	89	1314	0	517	13	61.1	142.4	111.4	0.0	248.4	3	
1C	43	-3285	-126	130	0	280	-11	61.1	80.0	11.0	0.0	141.1	1	
1D	43	-3285	89	130	0	280	13	61.1	81.6	11.0	0.0	142.6	1	
1E	43	-547	-126	1314	0	517	-11	10.2	140.9	111.4	0.0	214.4	3	
1F	43	-547	89	1314	0	517	13	10.2	142.4	111.4	0.0	214.3	3	
1G	43	-547	-126	130	0	280	-11	10.2	80.0	11.0	0.0	90.2	1	
1H	43	-547	89	130	0	280	13	10.2	81.6	11.0	0.0	91.7	1	
1I	43	-2526	-146	964	0	623	-4	47.0	163.0	81.7	0.0	228.1	3	
1J	43	-2526	108	964	0	623	6	47.0	164.5	81.7	0.0	228.0	3	
1K	43	-2526	-146	480	0	174	-4	47.0	47.6	40.7	0.0	107.6	3	
1L	43	-2526	108	480	0	174	6	47.0	49.1	40.7	0.0	107.5	3	
1M	43	-1306	-146	964	0	623	-4	24.3	163.0	81.7	0.0	209.5	3	
1N	43	-1306	108	964	0	623	6	24.3	164.5	81.7	0.0	209.5	3	
1O	43	-1306	-146	480	0	174	-4	24.3	47.6	40.7	0.0	90.2	3	
1P	43	-1306	108	480	0	174	6	24.3	49.1	40.7	0.0	90.0	3	
2	43	-9078	-89	3501	0	1771	6	168.7	460.5	296.9	0.0	734.4	3	
7	43	-7142	-88	2776	0	1368	5	132.8	355.9	235.4	0.0	575.0	3	
8	43	-7018	-67	2693	0	1382	5	130.4	359.3	228.3	0.0	569.0	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-3303	828	23	9	9	6	1.00	1.00	291.8	
1B	-3303	828	11	9	9	6	1.00	1.00	283.1	

1C	-3303	341	23	9	9	6	1.00	1.00	166.5
1D	-3303	341	11	9	9	6	1.00	1.00	157.8
1E	-565	828	23	9	9	6	1.00	1.00	240.8
1F	-565	828	11	9	9	6	1.00	1.00	232.1
1G	-565	341	23	9	9	6	1.00	1.00	115.6
1H	-565	341	11	9	9	6	1.00	1.00	106.9
1I	-2544	838	36	9	9	6	1.00	1.00	289.5
1J	-2544	838	24	9	9	6	1.00	1.00	280.8
1K	-2544	332	36	9	9	6	1.00	1.00	159.4
1L	-2544	332	24	9	9	6	1.00	1.00	150.7
1M	-1324	838	36	9	9	6	1.00	1.00	266.8
1N	-1324	838	24	9	9	6	1.00	1.00	258.1
1O	-1324	332	36	9	9	6	1.00	1.00	136.7
1P	-1324	332	24	9	9	6	1.00	1.00	128.0
2	-9102	2674	29	9	9	6	1.00	1.00	879.7
7	-7165	2084	28	9	9	6	1.00	1.00	690.6
8	-7041	2077	22	9	9	6	1.00	1.00	682.2

ASTA NUM. 540 NI 418 NF 718 Lungh. 43.0 cm SEZ. 9 Ps HEA 200 capovolto

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	kg			kg*m			kg/cmq						
1A	0	-2250	-183	394	0	305	75	41.8	134.8	33.4	0.0	176.6	1	
1B	0	-2250	140	394	0	305	-54	41.8	119.1	33.4	0.0	160.9	1	
1C	0	-2250	-183	-79	0	-203	75	41.8	108.3	6.9	0.0	150.2	1	
1D	0	-2250	140	-79	0	-203	-54	41.8	92.6	6.7	0.0	134.5	1	
1E	0	1735	-183	394	0	305	75	32.2	134.8	33.4	0.0	167.0	1	
1F	0	1735	140	394	0	305	-54	32.2	119.1	33.4	0.0	151.3	1	
1G	0	1735	-183	-79	0	-203	75	32.2	108.3	6.9	0.0	140.6	1	
1H	0	1735	140	-79	0	-203	-54	32.2	92.6	6.7	0.0	124.9	1	
1I	0	-1997	-178	411	0	333	78	37.1	144.1	34.8	0.0	181.2	1	
1J	0	-1997	135	411	0	333	-57	37.1	128.4	34.8	0.0	165.5	1	
1K	0	-1997	-178	-96	0	-230	78	37.1	117.6	8.2	0.0	154.8	1	
1L	0	-1997	135	-96	0	-230	-57	37.1	101.9	8.2	0.0	139.1	1	
1M	0	1482	-178	411	0	333	78	27.6	144.1	34.8	0.0	171.6	1	
1N	0	1482	135	411	0	333	-57	27.6	128.4	34.8	0.0	155.9	1	
1O	0	1482	-178	-96	0	-230	78	27.6	117.6	8.2	0.0	145.2	1	
1P	0	1482	135	-96	0	-230	-57	27.6	101.9	8.2	0.0	129.5	1	
2	0	578	-99	238	0	-87	49	10.7	59.1	20.2	0.0	69.9	1	
7	0	519	-100	191	0	-81	48	9.7	57.0	16.2	0.0	66.6	1	
8	0	469	-75	187	0	-74	37	8.7	47.0	15.9	0.0	55.7	1	
1A	22	-2241	-183	394	0	223	35	41.7	83.6	33.4	0.0	125.2	1	
1B	22	-2241	140	394	0	223	-23	41.7	74.8	33.4	0.0	116.5	1	
1C	22	-2241	-183	-79	0	-187	35	41.7	74.6	6.9	0.0	116.2	1	
1D	22	-2241	140	-79	0	-187	-23	41.7	65.8	6.7	0.0	107.5	1	
1E	22	1744	-183	394	0	223	35	32.4	83.6	33.4	0.0	116.0	1	
1F	22	1744	140	394	0	223	-23	32.4	74.8	33.4	0.0	107.3	1	
1G	22	1744	-183	-79	0	-187	35	32.4	74.6	6.9	0.0	107.0	1	
1H	22	1744	140	-79	0	-187	-23	32.4	65.8	6.7	0.0	98.2	1	
1I	22	-1988	-178	411	0	249	41	37.0	95.0	34.8	0.0	132.0	1	
1J	22	-1988	135	411	0	249	-30	37.0	86.3	34.8	0.0	123.2	1	
1K	22	-1988	-178	-96	0	-214	41	37.0	86.0	8.2	0.0	123.0	1	
1L	22	-1988	135	-96	0	-214	-30	37.0	77.3	8.2	0.0	114.2	1	
1M	22	1491	-178	411	0	249	41	27.7	95.0	34.8	0.0	122.8	1	
1N	22	1491	135	411	0	249	-30	27.7	86.3	34.8	0.0	114.0	1	
1O	22	1491	-178	-96	0	-214	41	27.7	86.0	8.2	0.0	113.7	1	
1P	22	1491	135	-96	0	-214	-30	27.7	77.3	8.2	0.0	105.0	1	
2	22	590	-99	263	0	-141	28	11.0	57.0	22.3	0.0	68.0	1	
7	22	531	-100	209	0	-124	27	9.9	52.0	17.7	0.0	61.9	1	
8	22	481	-75	212	0	-117	21	8.9	46.0	18.0	0.0	54.9	1	
1A	43	-2232	-183	394	0	140	-5	41.5	39.5	33.4	0.0	90.5	3	
1B	43	-2232	140	394	0	140	7	41.5	41.3	33.4	0.0	90.3	3	
1C	43	-2232	-183	-79	0	-172	-5	41.5	47.9	6.9	0.0	89.4	1	
1D	43	-2232	140	-79	0	-172	7	41.5	49.7	6.7	0.0	91.2	1	
1E	43	1753	-183	394	0	140	-5	32.6	39.5	33.4	0.0	83.4	3	
1F	43	1753	140	394	0	140	7	32.6	41.3	33.4	0.0	83.1	3	
1G	43	1753	-183	-79	0	-172	-5	32.6	47.9	6.9	0.0	80.5	1	
1H	43	1753	140	-79	0	-172	7	32.6	49.7	6.7	0.0	82.3	1	
1I	43	-1979	-178	411	0	165	5	36.8	46.0	34.8	0.0	92.8	3	
1J	43	-1979	135	411	0	165	-2	36.8	44.2	34.8	0.0	92.4	3	
1K	43	-1979	-178	-96	0	-198	5	36.8	54.4	8.2	0.0	91.2	1	
1L	43	-1979	135	-96	0	-198	-2	36.8	52.6	8.2	0.0	89.4	1	
1M	43	1500	-178	411	0	165	5	27.9	46.0	34.8	0.0	85.8	3	
1N	43	1500	135	411	0	165	-2	27.9	44.2	34.8	0.0	85.4	3	
1O	43	1500	-178	-96	0	-198	5	27.9	54.4	8.2	0.0	82.3	1	
1P	43	1500	135	-96	0	-198	-2	27.9	52.6	8.2	0.0	80.5	1	
2	43	602	-99	288	0	-200	6	11.2	56.3	24.4	0.0	68.8	3	
7	43	543	-100	226	0	-171	5	10.1	48.0	19.2	0.0	58.1	1	
8	43	493	-75	237	0	-165	5	9.2	46.4	20.1	0.0	56.7	3	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	kg	kg*m							kg/cmq	
1A	-2250	239	43	9	9	6	1.00	1.00	135.7	
1B	-2250	239	30	9	9	6	1.00	1.00	125.5	
1C	-2250	190	43	9	9	6	1.00	1.00	123.2	