MANUTENZIONE STRAORDINARIA

Elettrodotto 132 kV - AGORDO – VELLAI (T. 23.628)

Sostegno EY16 – picchetto 52 (Camolino)

RELAZIONE DI CALCOLO DEL SOSTEGNO

CON AZIONE SISMICA AI SENSI DELLA OPCM 3274

REV.	DATA	DESCRIZIONE	REDATTO	CONTROLLATO	APPROVATO
0	LUGLIO 2006	EMISSIONE	Gallonetto	Bettiol	Bettiol

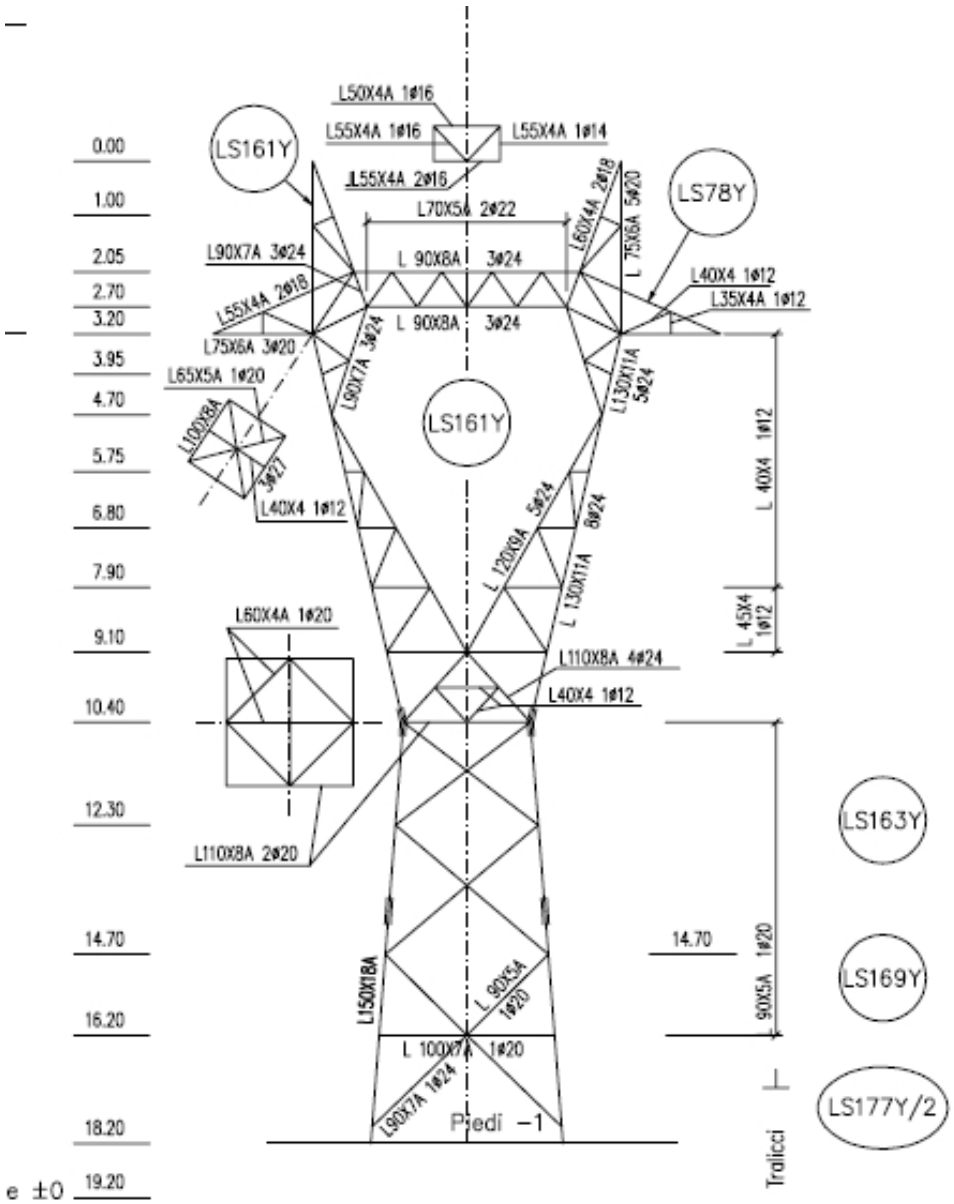
GENERALITA'

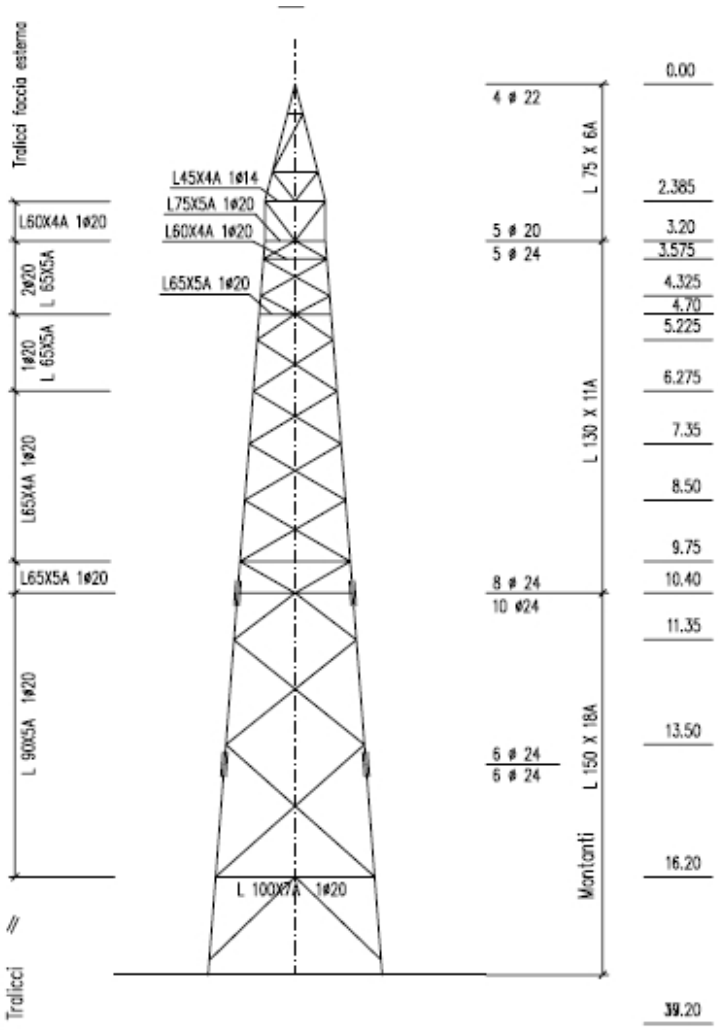
1 Descrizione dell'opera

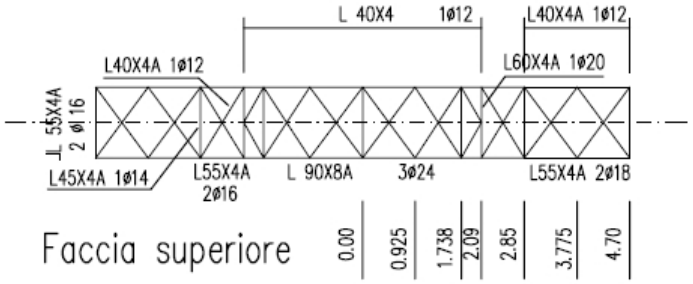
La presente relazione di calcolo tratta la verifica dei principali elementi strutturali che costituiscono il sostegno metallico tipo EY16 – da realizzarsi in corrispondenza al picchetto 52 – Linea 132 kV – Agordo ÷ Vellai.

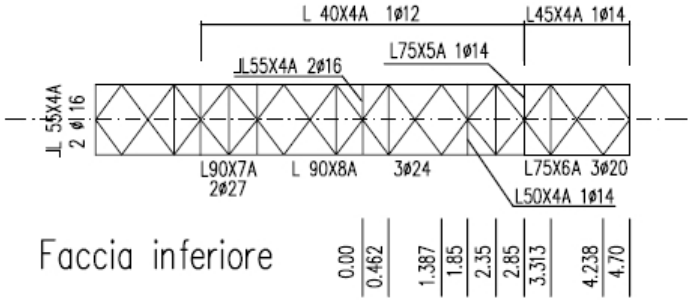
Il sostegno metallico è realizzato mediante profili angolari tra loro tralicciati; di seguito si riportanto:
Schema unificare del sostegno con indicate le aste che costituiscono i montanti, i tralicci + riquadri e le mensole;
Modello di calcolo utilizzato;

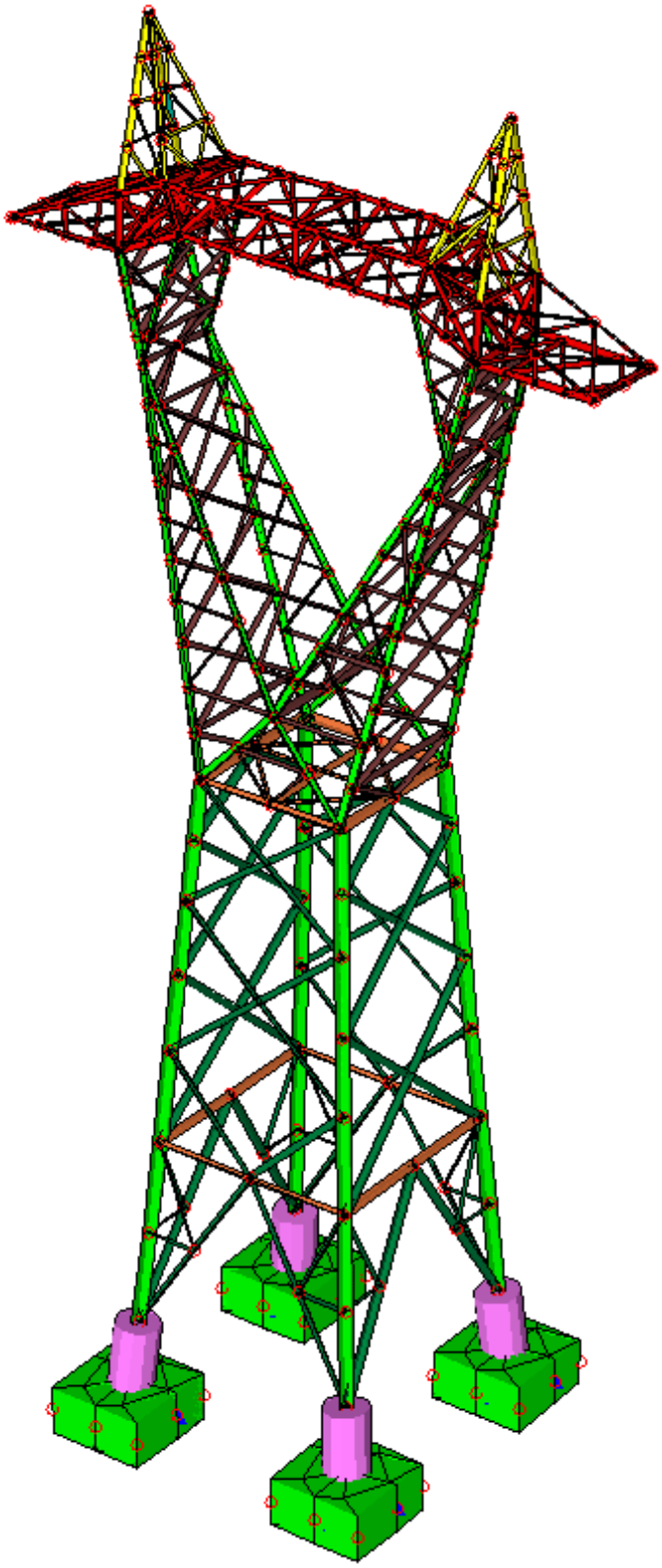
SCHEMA UNIFILARE




Tralicci faccia esterna
L60X4A 1ø20
2ø20 L 65X5A
1ø20 L 65X5A
L65X4A 1ø20
L65X5A 1ø20
L 90X5A 1ø20
Tralicci
L45X4A 1ø14
L75X5A 1ø20
L60X4A 1ø20
L65X5A 1ø20
L 100X7A 1ø20
4 ø 22
L 75 X 6A
5 ø 20
5 ø 24
L 130 X 11A
8 ø 24
10 ø24
6 ø 24
6 ø 24
L 150 X 18A
Montanti
0.00
2.385
3.20
3.575
4.325
4.70
5.225
6.275
7.35
8.50
9.75
10.40
11.35
13.50
16.20
39.20


L 40X4 1ø12
L40X4A 1ø12
L40X4A 1ø12
L60X4A 1ø20
⊥ 55X4A 2 ø 16
L45X4A 1ø14
L55X4A 2ø16
L 90X8A 3ø24
L55X4A 2ø18
Faccia superiore
0.00
0.925
1.738
2.09
2.85
3.775
4.70


L 40X4A 1ø12
L45X4A 1ø14
L75X5A 1ø14
⊥L55X4A 2ø16
⊥ 55X4A 2 ø 16
L90X7A 2ø27
L 90X8A 3ø24
L75X6A 3ø20
L50X4A 1ø14
Faccia inferiore
0.00
0.462
1.387
1.85
2.35
2.85
3.313
4.238
4.70



SCHEMA MODELLO DI CALCOLO UTILIZZATOI

2 Normativa di riferimento

Nell'eseguire le verifiche che costituiscono l'opera di cui alla presente relazione, si è fatto riferimento alla seguente normativa tecnica:

[1] Ordinanza 3274 20 Marzo 2003:
"Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica".

[2] Legge 5 Novembre 1971 n°1086:
"Norme per la disciplina delle opere di conglomerato cementizio armato, normale precompresso ed a struttura metallica".

[3] D.M. 9 gennaio 1996:
"Norme tecniche per il calcolo, l'esecuzione e il collaudo delle strutture in cemento armato normale e precompresso e per le strutture metalliche".

[4] D.M. 16 gennaio 1996:
Norme tecniche relative ai: "Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e dei sovraccarichi".

[5] Circolare 4 luglio 1996 n 156 AA.GG./STC:
"Istruzioni per l'applicazione delle norme tecniche relative ai criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e dei sovraccarichi".

[6] Circolare 15 ottobre 1996, n°252 AA.GG./STC:
"Istruzioni per l'applicazione delle norme tecniche per il calcolo l'esecuzione e il collaudo delle opere in cemento armato normale e precompresso e per le strutture metalliche di cui al decreto ministeriale 9 gennaio 1996".

[7] D.M. 11 marzo 1988:
"Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".

[8] Circolare 24 settembre 1988, n°30483:
"Norme tecniche per terreni e fondazioni: istruzioni applicative".

[9] CNR-UNI 10011 giugno 1997:
"Costruzioni in acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione".

[10] CEI 11-4: settembre 1998
"Esecuzone delle linee elettriche aeree esterne".

3 Materiali utilizzati

3.1 Acciaio tipo Fe 510:

da [9] prospetto 2-I

tensione (carico unitario) di rottura a trazione	f_t	$\geq$ 5100 daN/cm^2;	
tensione (carico unitario) di snervamento	f_y	$\geq$ 3550 daN/cm^2;	
resilienza	KV	B +20°C	$\geq$ 27 J;
		C 0°C	$\geq$ 27 J;
		D -20°C	$\geq$ 27 J;
allungamento percentuale a rottura	ε_t	per lamiere	$\geq$ 21
		per barre e profilati	$\geq$ 21

valido per spessori inferiori ai 40 mm

Costanti elastiche:

modulo di elasticità normale	E	206000 N/mm²
modulto di elasticità tangenziale	G	80000 N/mm²

Coefficiente di dilatazione termica:

	α	1.2x10^{-5} °C^{-1}

In questa sede la [10] (§2.4.09) dice *"Le massime sollecitazioni ammissibili per i sosotegni delle linee elettriche nelle ipotesi 1) e 3) (vedi par.....) sono le seguenti:*

...d) sostegni a traliccio in profilati o tubi d'acciaio

- *per le membrature sollecitate a trazione: il valore indicato nelle tabelle annesse per il tipo di acciaio impiegato e un valore del grado di snellezza $\lambda \leq 15$; ..."*
- *per le membrature sollecitate a compressione con possibilità i inflessione laterale: il valore indicato nelle tabelle annesse per il relativo grado di snellezza l e per il tipo di acciaio impiegato; per i valori di λ superiori a 20"*

Tensione di rifollamento:

la [10] dice (§2.4.12): *"... La pressione esercitata dai bulloni sul contorno dei fori, riferita alla sezione diametrale del foro, non deve superare il 240% della massima sollecitazione determinata in base a quanto prescritto in 2.4.09 (vedi sopra) per i materiali su cui il bullone esercita la pressione per un valore del grado di snellezza $l \leq 15$."*

si riporta la tabella della [10] per l'acciaio *Fe510*:

Sollecitazioni ammissibili per sostegni realizzati con i seguenti tipi di acciaio:
Fe 510 UNI EN 10025; Fe 420 -TM EURONORM 149-80; Fe E 490-TM EURONORM 149-80

λ	σ	λ	σ	λ	σ	λ	σ	λ	σ
0-15	2158 (2200)	63	1599 (1630)	111	844 (860)	159	412 (420)	207	245 (250)
16	2148 (2190)	64	1589 (1620)	112	834 (850)	160	402 (410)	208	235 (240)
17	2139 (2180)	65	1579 (1610)	113	814 (830)	161	402 (410)	209	235 (240)
18	2119 (2160)	66	1570 (1600)	114	804 (820)	162	392 (400)	210	235 (240)
19	2109 (2150)	67	1550 (1580)	115	785 (800)	163	392 (400)	211	235 (240)
20	2099 (2140)	68	1540 (1570)	116	775 (790)	164	383 (390)	212	235 (240)
21	2090 (2130)	69	1530 (1560)	117	755 (770)	165	383 (390)	213	226 (230)
22	2080 (2120)	70	1521 (1550)	118	746 (760)	166	383 (390)	214	226 (230)
23	2060 (2100)	71	1511 (1540)	119	736 (750)	167	373 (380)	215	226 (230)
24	2050 (2090)	72	1491 (1520)	120	716 (730)	168	373 (380)	216	226 (230)
25	2040 (2080)	73	1481 (1510)	121	706 (720)	169	363 (370)	217	226 (230)
26	2031 (2070)	74	1472 (1500)	122	697 (710)	170	363 (370)	218	216 (220)
27	2021 (2060)	75	1462 (1490)	123	687 (700)	171	353 (360)	219	216 (220)
28	2011 (2050)	76	1452 (1480)	124	677 (690)	172	353 (360)	220	216 (220)
29	1991 (2030)	77	1432 (1460)	125	667 (680)	173	343 (350)	221	216 (220)
30	1982 (2020)	78	1422 (1450)	126	657 (670)	174	343 (350)	222	206 (210)
31	1972 (2010)	79	1413 (1440)	127	647 (660)	175	343 (350)	223	206 (210)
32	1962 (2000)	80	1403 (1430)	128	638 (650)	176	334 (340)	224	206 (210)
33	1952 (1990)	81	1393 (1420)	129	628 (640)	177	334 (340)	225	206 (210)
34	1933 (1970)	82	1383 (1410)	130	618 (630)	178	324 (330)	226	206 (210)
35	1923 (1960)	83	1364 (1390)	131	608 (620)	179	324 (330)	227	206 (210)
36	1913 (1950)	84	1354 (1380)	132	598 (610)	180	324 (330)	228	196 (200)
37	1903 (1940)	85	1344 (1370)	133	589 (600)	181	314 (320)	229	196 (200)
38	1893 (1930)	86	1324 (1350)	134	579 (590)	182	314 (320)	230	196 (200)
39	1884 (1920)	87	1305 (1330)	135	569 (580)	183	314 (320)	231	196 (200)
40	1864 (1900)	88	1285 (1310)	136	559 (570)	184	304 (310)	232	196 (200)
41	1854 (1890)	89	1265 (1290)	137	549 (560)	185	304 (310)	233	186 (190)
42	1844 (1880)	90	1246 (1270)	138	549 (560)	186	304 (310)	234	186 (190)
43	1834 (1870)	91	1226 (1250)	139	540 (550)	187	294 (300)	235	186 (190)
44	1825 (1860)	92	1207 (1230)	140	530 (540)	188	294 (300)	236	186 (190)
45	1805 (1840)	93	1187 (1210)	141	520 (530)	189	294 (300)	237	186 (190)
46	1795 (1830)	94	1158 (1180)	142	520 (530)	190	284 (290)	238	186 (190)
47	1785 (1820)	95	1138 (1160)	143	510 (520)	191	284 (290)	239	186 (190)
48	1776 (1810)	96	1118 (1140)	144	500 (510)	192	284 (290)	240	177 (180)
49	1766 (1800)	97	1099 (1120)	145	491 (500)	193	275 (280)	241	177 (180)
50	1746 (1780)	98	1079 (1100)	146	491 (500)	194	275 (280)	242	177 (180)
51	1736 (1770)	99	1059 (1080)	147	481 (490)	195	275 (280)	243	177 (180)
52	1727 (1760)	100	1040 (1060)	148	471 (480)	196	275 (280)	244	177 (180)
53	1717 (1750)	101	1020 (1040)	149	471 (480)	197	265 (270)	245	177 (180)
54	1707 (1740)	102	1101 (1020)	150	461 (470)	198	265 (270)	246	167 (170)
55	1697 (1730)	103	981 (1000)	151	461 (470)	199	265 (270)	247	167 (170)
56	1678 (1710)	104	961 (980)	152	451 (460)	200	255 (260)	248	167 (170)
57	1668 (1700)	105	942 (960)	153	441 (450)	201	255 (260)	249	167 (170)
58	1658 (1690)	106	922 (940)	154	441 (450)	202	255 (260)	250	167 (170)
59	1648 (1680)	107	912 (930)	155	432 (440)	203	255 (260)		
60	1638 (1670)	108	893 (910)	156	432 (440)	204	245 (250)		
61	1619 (1650)	109	873 (890)	157	422 (430)	205	245 (250)		
62	1609 (1640)	110	863 (880)	158	412 (420)	206	245 (250)		

Tabella 1

3.2 Acciaio tipo Fe 360:

da [9] prospetto 2-I

tensione (carico unitario) di rottura a trazione	f_t	$\geq$ 3600daN/cm^2;	
tensione (carico unitario) di snervamento	f_y	$\geq$ 2350 daN/cm^2;	
resilienza	KV	B +20°C	$\geq$ 27 J;
		C 0°C	$\geq$ 27 J;
		D -20°C	$\geq$ 27 J;
allungamento percentuale a rottura	ε_t	per lamiere	$\geq$ 26
		per barre e profilati	$\geq$ 28

valido per spessori inferiori ai 40 mm

Costanti elastiche:

modulo di elasticità normale	E	206000 N/mm²
modulto di elasticità tangenziale	G	80000 N/mm²

Coefficiente di dilatazione termica:

	α	1.2x10^{-5} °C^{-1}

3.3 Bulloneria: classe 6.8

Da [9] prospetto 4-IIIa

Tensione di rottura a trazione	*Rm*	6000 daN/cm²
Tensione di rottura a snervamento	f_y	4800 daN/cm²
Tensione caratteristica a snervamento	$f_{k,N}$	3600 daN/cm²
Tensione ammissibile a trazione:	$\sigma_{b,adm}$	2400 daN/cm²
Tensione ammissibile a taglio:	$\tau_{b,adm}$	1700 daN/cm²

In questa sede la [10] (§2.4.09) dice *"Le massime sollecitazioni ammissibili per i sosotegni delle linee elettriche nelle ipotesi 1) e 3) (vedi par.....) sono le seguenti:*

...d) sostegni a traliccio in profilati o tubi d'acciaio

- *per le membrature sollecitate a trazione: il valore indicato nelle tabelle annesse per il tipo di acciaio impiegato e un valore del grado di snellezza $\lambda \leq 15$; ..."*
- *per le membrature sollecitate a compressione con possibilità i inflessione laterale: il valore indicato nelle tabelle annesse per il relativo grado di snellezza l e per il tipo di acciaio impiegato; per i valori di λ superiori a 20"*

Tensione di rifollamento:

la [10] dice (§2.4.12): *"... La pressione esercitata dai bulloni sul contorno dei fori, riferita alla sezione diametrale del foro, non deve superare il 240% della massima sollecitazione determinata in base a quanto prescritto in 2.4.09 (vedi sopra) per i materiali su cui il bullone esercita la pressione per un valore del grado di snellezza $\lambda \leq 15$."*

si riporta la tabella della [10] per l'acciaio *Fe360*:

Tabelle relative alle sollecitazioni ammissibili per i sostegni di acciaio

λ = Grado di snellezza della membratura (2.4.11) σ = Sollecitazione in daN/cm^2 (kgf/cm^2)

Sollecitazioni ammissibili per sostegni realizzati con i seguenti tipi di acciaio: Fe 360 UNI EN 10025; Fe 430 UNI EN 10025; Fe E 275–TM EURONORM 149-80

λ	σ	λ	σ	λ	σ	λ	σ	λ	σ
0-15	1373 (1400)	63	1079 (1100)	111	775 (790)	159	412 (420)	207	245 (250)
16	1364 (1390)	64	1069 (1090)	112	775 (790)	160	402 (410)	208	235 (240)
17	1364 (1390)	65	1059 (1080)	113	765 (780)	161	402 (410)	209	235 (240)
18	1354 (1380)	66	1059 (1080)	114	755 (770)	162	392 (400)	210	235 (240)
19	1344 (1370)	67	1050 (1070)	115	755 (770)	163	392 (400)	211	235 (240)
20	1344 (1370)	68	1040 (1060)	116	746 (760)	164	383 (390)	212	235 (240)
21	1334 (1360)	69	1040 (1060)	117	736 (750)	165	383 (390)	213	226 (230)
22	1334 (1360)	70	1030 (1050)	118	736 (750)	166	373 (380)	214	226 (230)
23	1324 (1350)	71	1020 (1040)	119	726 (740)	167	373 (380)	215	226 (230)
24	1315 (1340)	72	1020 (1040)	120	716 (730)	168	373 (380)	216	226 (230)
25	1315 (1340)	73	1010 (1030)	121	706 (720)	169	363 (370)	217	226 (230)
26	1305 (1330)	74	1010 (1030)	122	697 (710)	170	363 (370)	218	216 (220)
27	1295 (1320)	75	1001 (1020)	123	687 (700)	171	353 (360)	219	216 (220)
28	1295 (1320)	76	991 (1010)	124	677 (690)	172	353 (360)	220	216 (220)
29	1285 (1310)	77	991 (1010)	125	667 (680)	173	343 (350)	221	216 (220)
30	1275 (1300)	78	981 (1000)	126	657 (670)	174	343 (350)	222	206 (210)
31	1275 (1300)	79	971 (990)	127	647 (660)	175	343 (350)	223	206 (210)
32	1265 (1290)	80	971 (990)	128	638 (650)	176	334 (340)	224	206 (210)
33	1265 (1290)	81	971 (990)	129	628 (640)	177	334 (340)	225	206 (210)
34	1256 (1280)	82	961 (980)	130	618 (630)	178	324 (330)	226	206 (210)
35	1246 (1270)	83	952 (970)	131	608 (620)	179	324 (330)	227	206 (210)
36	1246 (1270)	84	942 (960)	132	598 (610)	180	324 (330)	228	196 (200)
37	1236 (1260)	85	942 (960)	133	589 (600)	181	314 (320)	229	196 (200)
38	1226 (1250)	86	932 (950)	134	579 (590)	182	314 (320)	230	196 (200)
39	1226 (1250)	87	922 (940)	135	569 (580)	183	314 (320)	231	196 (200)
40	1216 (1240)	88	922 (940)	136	559 (570)	184	304 (310)	232	196 (200)
41	1207 (1230)	89	912 (930)	137	549 (560)	185	304 (310)	233	186 (190)
42	1207 (1230)	90	903 (920)	138	549 (560)	186	304 (310)	234	186 (190)
43	1197 (1220)	91	903 (920)	139	540 (550)	187	294 (300)	235	186 (190)
44	1197 (1220)	92	893 (910)	140	530 (540)	188	294 (300)	236	186 (190)
45	1187 (1210)	93	893 (910)	141	520 (530)	189	294 (300)	237	186 (190)
46	1177 (1200)	94	883 (900)	142	520 (530)	190	284 (290)	238	186 (190)
47	1177 (1200)	95	873 (890)	143	510 (520)	191	284 (290)	239	186 (190)
48	1167 (1190)	96	873 (890)	144	500 (510)	192	284 (290)	240	177 (180)
49	1158 (1180)	97	863 (880)	145	490 (500)	193	275 (280)	241	177 (180)
50	1158 (1180)	98	853 (870)	146	490 (500)	194	275 (280)	242	177 (180)
51	1148 (1170)	99	853 (870)	147	481 (490)	195	275 (280)	243	177 (180)
52	1148 (1170)	100	844 (860)	148	471 (480)	196	275 (280)	244	177 (180)
53	1138 (1160)	101	834 (850)	149	471 (480)	197	265 (270)	245	177 (180)
54	1128 (1150)	102	834 (850)	150	461 (470)	198	265 (270)	246	167 (170)
55	1128 (1150)	103	824 (840)	151	461 (470)	199	265 (270)	247	167 (170)
56	1118 (1140)	104	824 (840)	152	451 (460)	200	255 (260)	248	167 (170)
57	1109 (1130)	105	814 (830)	153	441 (450)	201	255 (260)	249	167 (170)
58	1109 (1130)	106	804 (820)	154	441 (450)	202	255 (260)	250	167 (170)
59	1099 (1120)	107	804 (820)	155	432 (440)	203	255 (260)		
60	1089 (1110)	108	795 (810)	156	432 (440)	204	245 (250)		
61	1089 (1110)	109	785 (800)	157	422 (430)	205	245 (250)		
62	1079 (1100)	110	785 (800)	158	412 (420)	206	245 (250)		

Tabella 2

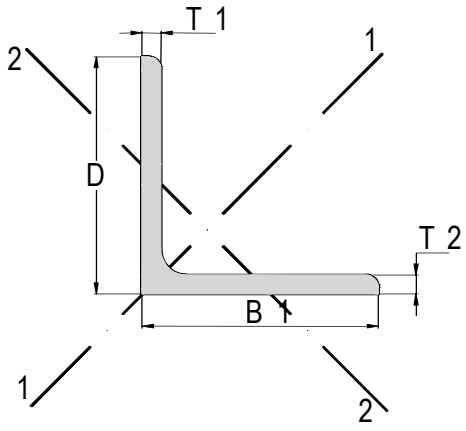
4 Caratteristiche delle aste del traliccio:

PROPRIETA'	AREA [cm²]	L11 [cm⁴]	L22 [cm⁴]	D [cm]	B1 [cm]	T1 [cm]	T2 [cm]	Pmax [cm]	Pmin [cm]
L150x150x18mm Fe510	51.0	1670	438	150	150	18	18	5.70	2.93
L130x130x11mm Fe510	27.6	697	437	130	130	11	11	5.05	2.55
L120x120x9mm Fe510	21.0	452	117	120	120	9	9	4.64	2.36
L110x110x8mm Fe510	17.1	310	80.5	110	110	8	8	4.26	2.17
L100x100x8mm Fe510	15.5	230	59.8	100	100	8	8	3.85	1.96
L100x100x7mm Fe510	13.7	203	53.0	100	100	7	7	3.86	1.97
L90x90x8mm Fe510	13.9	166	43.1	90	90	8	8	3.45	1.76
L90x90x7mm Fe510	12.2	146	37.7	90	90	7	7	3.45	1.76
L90x90x6mm Fe510	10.6	127	33.3	90	90	6	6	3.47	1.77
L90x90x5mm Fe510	8.75	111	28.2	90	90	5	5	3.55	1.78
L75x75x6mm Fe510	8.75	72.3	18.9	75	75	6	6	2.87	1.47
L75x75x5mm Fe510	7.36	60.7	16.2	75	75	5	5	2.87	1.48
L70x70x5mm Fe510	6.84	49.5	13.0	70	70	5	5	2.69	1.38
L65x65x5mm Fe510	6.34	39.9	10.8	65	65	5	5	2.49	1.27
L65x65x4mm Fe510	5.13	33.3	9.1	65	65	4	4	2.50	1.28
L60x60x4mm Fe510	4.71	25.0	6.56	60	60	4	4	2.30	1.18
L60x60x4mm Fe360	4.71	25.0	6.56	60	60	4	4	2.30	1.18
L55x55x4mm Fe510	4.31	19.0	5.00	55	55	4	4	2.10	1.08
L55x55x4mm Fe360	4.31	19.0	5.00	55	55	4	4	2.10	1.08
L50x50x4mm Fe510	3.89	14.2	3.72	50	50	4	4	1.91	0.978
L45x45x4mm Fe510	3.49	10.2	2.68	45	45	4	4	1.71	0.877
L45x45x4mm Fe360	3.49	10.2	2.68	45	45	4	4	1.71	0.877
L40x40x4mm Fe510	3.08	7.09	1.86	40	40	4	4	1.52	0.780
L40x40x4mm Fe360	3.08	7.09	1.86	40	40	4	4	1.52	0.780

Tabella 3

In questa tabella, oltre a tutte le tipologie di profili indicanti il nome con relativo materiale, sono contenute le loro caratteristiche geometriche:

- *l'Area della sezione del profilo:* espressa in cm²
- *I momenti d'inerzia* I_{11} e I_{22} secondo gli assi principali
- *Larghezza del profilo ad L* (D)
- *Altezza del profilo ad L (B1)*:
- *Spessori delle ali* (T_1 e T_2)
- *Raggio d'inerzia massimo* ρ_{max}
- *Raggio d'inerzia minimo* ρ_{min}



5 Tipologie di giunzione

Si riporta qui di seguito una tabella dove sono riportate le tipologie di giunzione:

GIUNZIONE	Tipo Bullone	Ø [mm]	A_{res} [cm²]	N° bulloni	A_{restot} [cm²]	$\sigma_{b,adm}$ [daN/cm²]	$\zeta_{b,adm}$ [daN/cm²]	N° fori per sezione	N° sezioni forate	facce di taglio
10Ø27	6.8	27	5.73	10	57.3	2400	1700	2	2	2
2Ø27	6.8	27	5.73	2	11.46	2400	1700	2	2	2
10Ø24	6.8	24	4.52	10	45.2	2400	1700	2	2	1
8Ø24	6.8	24	4.52	8	36.16	2400	1700	2	2	1
6Ø24	6.8	24	4.52	6	27.12	2400	1700	2	2	1
5Ø24	6.8	24	4.52	5	22.6	2400	1700	2	2	1
4Ø24	6.8	24	4.52	4	18.08	2400	1700	2	2	1
3Ø24	6.8	24	4.52	3	13.56	2400	1700	2	2	1
2Ø24	6.8	24	4.52	2	9.04	2400	1700	2	2	1
1Ø24	6.8	24	4.52	1	4.52	2400	1700	1	1	1
4Ø22	6.8	22	2.696	4	10.78	2400	1700	1	1	1
2Ø22	6.8	22	2.696	2	5.39	2400	1700	1	1	1
1Ø22	6.8	24	2.696	1	2.696	2400	1700	1	1	1
2Ø20	6.8	20	3.14	2	6.28	2400	1700	1	1	1
1Ø20	6.8	20	3.14	1	3.14	2400	1700	1	1	1
2Ø18	6.8	18	1.657	2	3.31	2400	1700	1	1	1
2Ø16	6.8	16	2.01	2	4.02	2400	1700	1	1	1
1Ø16	6.8	16	2.01	1	2.01	2400	1700	1	1	1
1Ø14	6.8	14	1.54	1	1.54	2400	1700	1	1	1
1Ø12	6.8	12	1.13	1	1.13	2400	1700	1	1	1

Vengono indicate tutte le informazioni ncessarie a definirla in maniera totale per consentirne la verifica: tipologia del bullone, diametro, area resistente, numero totale di bulloni, area totale dei bulloni, tensione assiale ammissibile, tensione di taglio ammissibile, numeri di fori per sezione e numero di sezioni forate oltre al numero di facce di taglio considerate.

Per le tipologie di giunzioni contrassergnati dal “flag” P (Passante) si ha che il profilo è solamente “attraversato” dal bullone (o dai bulloni) in esame, e non risulta quindi giuntato ma attraversato. Quindi su di esso viene eseguita, quando si ha uno sforzo di trazione una verifica considerandone l’area al netto del foro del bullone indicato (o dei fori dei bulloni indicati).

6 Metodo di calcolo utilizzato

Per il calcolo delle sollecitazioni e delle deformazioni si sono adottate le ipotesi di materiali linearmente elastici. Le analisi sono svolte nelle ipotesi di piccoli spostamenti e piccole deformazioni impiegando i criteri della Scienza e della Tecnica delle Costruzioni.
La fase di dimensionamento e verifica a sforzo normale è stata eseguita adottando il metodo degli stati limite sencodo quanto previsto dall'ordinanza 3272 del 20/03/2003.
Le verifiche riportate nel presente documento rappresentano un estratto di tutte le verifiche effettuate. Si intende che, per quanto non riportato nella presente relazione, sono stati adottati i criteri di verifica sopra citati, controllando resistenza, stabilità e deformabilità con i medesimi coefficienti di sicurezza ed utilizzando i carichi definiti nella presente relazione.
Per tutte le aste che costituiscono il sostegno oggetto di analisi si è fatta l'ipotesi di aste sottoposte a solo sforzo normale.
Ciò è stato ottenuto rilasciando i due gradi di libertà alla rotazione secondo la direzione dei due momenti flettenti delle aste costituenti i tralicci che si vanno ad innestare nei montanti: tuttavia tutte le aste che compongono il traliccio sono state modellate sia con rigidezza assiale che con rigidezza flessionale, anche se esse lavorano principalmente assialmente , ciò per non rendere labile la struttura modellata numericamente.

7 Carichi di progetto

7.1 Peso proprio strutturale

La massa complessiva del traliccio, valutata numericamente è di 6480 kg

A tutte le aste del modello viene assegnato il peso proprio ipotizzando per l'acciaio un peso specifico di 7850 daN/m^3.

7.2 Carichi trasmessi dai conduttori

Come previsto dalla Normativa si considerano le seguenti condizioni elementari di carico (pag. 17 di [10] §2.4.04):

1. che tutti i conduttori e le corde di guardia siano integri alla temperatura di -5°C e che spiri normalmente alla linea un vento a 130 km/h;
2. nelle condizioni di carico di 1):
   a) sia rotta una fune di guardia;
   b) sia rotto un conduttore della fase centrale;
   c) sia rotto un conduttore della fase esterna;
3. che tutti i conduttori e le corde di guardia siano integri nelle condizioni di temperature e di carico previste per la zona B (manicotto di ghiaccio dello spessore di 12 mm che ricopre i cavi) col vento a 65 km/h spirante normalmente alla linea;
4. nelle condizioni di carico di 3):
   d) sia rotta una fune di guardia;
   e) sia rotto un conduttore della fase centrale;
   f) sia rotto un conduttore della fase esterna;

Queste condizioni di carico, unite a considerazioni di carattere geometrico sulla simmetria della struttura e sulla simmetria generano 8 ipotesi di carico:

IPOTESI 1: conduttori e funi di guardia integri vento trasversale agente alla velocità di 130 km/h

IPOTESI 2: funi di guardia presenti nei cimini una rotta, conduttori nelle mensole e trave e seconda fune di guardia integri, vento trasversale agente alla velocità di 130 km/h

IPOTESI 3: funi di guardia integre, conduttore presente nella trave centrale rotto, conduttori nelle mensole integri; vento trasversale agente alla velocità di 130 km/h

IPOTESI 4: funi di guardia integre; conduttore presente nella mensola esterna rotto; conduttori nella mensola opposta e nella trave centrale integri; vento trasversale agente alla velocità di 130 km/h

IPOTESI 5: conduttori e funi di guardia integri, manicotto di ghiaccio spessore 12 mm che ricopre i cavi e vento trasversale agente alla velocità di 65 km/h

IPOTESI 6: funi di guardia presenti nei cimini una rotta, conduttori nelle mensole e trave e seconda fune di guardia integri, manicotto di ghiaccio spessore 12 mm che ricopre i cavi e vento trasversale agente alla velocità di 65 km/h

IPOTESI 7: funi di guardia integre, conduttore presente nella trave centrale rotto, conduttori nelle mensole integri; manicotto di ghiaccio spessore 12 mm che ricopre i cavi e vento trasversale agente alla velocità di 65 km/h

IPOTESI 8: funi di guardia integre; conduttore presente nella mensola esterna rotto; conduttori nella mensola opposta e nella trave centrale integri; manicotto di ghiaccio spessore 12 mm che ricopre i cavi e vento trasversale agente alla velocità di 65 km/h

La normativa [10] inoltre specifica al paragrafo 2.4.09 che "*..nelle ipotesi 2) e 4) di 2.4.04 sono ammesse per i sostegni sollecitazioni maggiorate del 60% rispetto a quelle di cui sopra*" in sostanza per le nostre verifiche le tensioni di riferimento *per* quanto concerne *le condizioni eccezionali*, che prevedono la rottura di una delle due funi di guardia o di un conduttore *possono essere aumentate di un 60%* rispetto a quelle indicate nelle tabelle.

7.3 Azione del vento sulle aste del sostegno:

Il vento a 130 km/h produce sulle facce dei profili metallici una pressione paria a 120 Kg/m² mentre il vento a 65 km/h produce una pressione pari a 30 kg/m² ne risulta che i profili costituenti il sostegno vengono sollecitati secondo i seguenti carichi:

Montanti

L 60 x 60 x4 mm	$q_{(130)}$ = 120 x 0.06 = 7.2	Kg/m	$q_{(65)}$ = 30 x 0.06 =1.8	Kg/m
L 75 x 75 x6 mm	$q_{(130)}$ = 120 x 0.075 = 9.0	Kg/m	$q_{(65)}$ = 30 x 0.075 =2.25	Kg/m
L90 x 90 x 7 mm	$q_{(130)}$ = 120 x 0.09 = 10.8	Kg/m	$q_{(65)}$ = 30 x 0.09 = 2.7	Kg/m
L 110 x 110 x 8 mm	$q_{(130)}$ = 120 x 0.11 = 13.2	Kg/m	$q_{(65)}$ = 30 x 0.11 = 3.3	Kg/m
L 120 x 120 x 9 mm	$q_{(130)}$ = 120 x 0.12 = 14.4	Kg/m	$q_{(65)}$ = 30 x 0.12 = 3.6	Kg/m
L 130 x 130 x 11 mm	$q_{(130)}$ = 120 x 0.13 = 15.6	Kg/m	$q_{(65)}$ = 30 x 0.13 = 3.9	Kg/m
L 150 x 150 x 18 mm	$q_{(130)}$ = 120 x 0.15 = 18.0	Kg/m	$q_{(65)}$ = 30 x 0.15 = 4.5	Kg/m

Mensole

L 40 x 40 x 4 mm	$q_{(130)}$ = 120 x 0.04 = 4.8	Kg/m	$q_{(65)}$ = 30 x 0.04 = 1.2	Kg/m
L 45 x 45 x 4 mm	$q_{(130)}$ = 120 x 0.045 = 5.4	Kg/m	$q_{(65)}$ = 30 x 0.045 = 1.35	Kg/m
L 50 x 50 x 4 mm	$q_{(130)}$ = 120 x 0.05 = 6	Kg/m	$q_{(65)}$ = 30 x 0.05 = 1.5	Kg/m
L 55 x 55 x 4 mm	$q_{(130)}$ = 120 x 0.055 = 6.6	Kg/m	$q_{(65)}$ = 30 x 0.055 = 1.65	Kg/m
L 60 x 60 x 4 mm	$q_{(130)}$ = 120 x 0.06 = 7.2	Kg/m	$q_{(65)}$ = 30 x 0.06 = 1.8	Kg/m
L 75 x 75 x 6 mm	$q_{(130)}$ = 120 x 0.075 = 9	Kg/m	$q_{(65)}$ = 30 x 0.075 = 2.25	Kg/m
L 75 x 75 x 5 mm	$q_{(130)}$ = 120 x 0.075 = 9	Kg/m	$q_{(65)}$ = 30 x 0.075 = 2.25	Kg/m
L 90 x 90 x 7 mm	$q_{(130)}$ = 120 x 0.09 = 10.8	Kg/m	$q_{(65)}$ = 30 x 0.09 = 2.7	Kg/m

L 90 x 90 x 8 mm	$q_{(130)}$ = 120 x 0.09 = 10.8	Kg/m	$q_{(65)}$ = 30 x 0.09 = 2.71.4	Kg/m

Tralicci e riquadri

L 40 x 40 x 4 mm	$q_{(130)}$ = 120 x 0.04 = 4.8	Kg/m	$q_{(65)}$ = 30 x 0.04 = 1.2	Kg/m
L 45 x 45 x 4 mm	$q_{(130)}$ = 120 x 0.045 = 5.4	Kg/m	$q_{(65)}$ = 30 x 0.045 = 1.35	Kg/m
L 60 x 60 x 4 mm	$q_{(130)}$ = 120 x 0.06 = 7.2	Kg/m	$q_{(65)}$ = 30 x 0.06 = 1.8	Kg/m
L 65 x 65 x 4 mm	$q_{(130)}$ = 120 x 0.065 = 7.8	Kg/m	$q_{(65)}$ = 30 x 0.065 =1.95	Kg/m
L 65 x 65 x 5 mm	$q_{(130)}$ = 120 x 0.065 = 7.8	Kg/m	$q_{(65)}$ = 30 x 0.065 =1.95	Kg/m
L 75 x 75 x 5 mm	$q_{(130)}$ = 120 x 0.075 = 9	Kg/m	$q_{(65)}$ = 30 x 0.075 =2.25	Kg/m
L 90 x 90 x 5 mm	$q_{(130)}$ = 120 x 0.09 = 10.8	Kg/m	$q_{(65)}$ = 30 x 0.09 =2.7	Kg/m

7.4 Azione dei conduttori e della fune di guardia sulle mensole:

La ditta Terna ha fornito le seguenti caratteristiche geometriche riguardanti il sostegno a traliccio in esame:

Linea 132KV - Semplice Terna a Delta serie 'Y'

Linea Agordo – Vellai (T. 23.628) Tratto Camolino - Vellai

Picchetto n°52 Sostegno tipo: EY 16

CARATTERISTICHE PRINCIPALI		CONDUTTORE	CORDA DI GUARDIA
Materiale		All. - Acc.	Acciaio
Diametro esterno (mm)		31.50	10.50
Sezioni	Alluminio (mm²)	519.50	65.81
	Acciaio (mm²)	65.80	
	Totale (mm²)	585.30	
Peso unitario (Kg/m)		1.982	0.532
Modulo di elasticità (Kg/mm²)		6500	19000
Coeff. Di dilatazione (1/°C)		$19.3x10^{-6}$	$12x10^{-6}$
Carico di rottura (Kg)		17161	8884
Conduttore per fase		1	
Numero funi			2

CALCOLO DELLE AZIONI ESTERNE SUL SOSTEGNO

Il calcolo del sostegno è stato eseguito tenendo conto delle azioni esterne dei conduttori e delle corde di guardia nelle ipotesi MSA, MSB e SISMICA.

Le formule per il calcolo di tali azioni, sia per conduttori che per corde di guardia (supposti integri), sono le seguenti:

AZIONE TRAVERSALE $T = v\,Cm + 2 \operatorname{sen} \delta/2\, To + t^*$ (2)

AZIONI VERTICALI $P = p\,Cm + K\,To + p^*$ (3)

ove :

v = Spinta del vento per metro di conduttore

p = Peso per metro di conduttore più eventuale manicotto di ghiaccio

t* = Spinta del vento su isolatori e morsetteria

p* = Peso di isolatori e morsetteria

I valori di t* e p* sono riportati nella seguente tabella:

	CONDUTTORE		CORDA DI GUARDIA	
	t*	p*	t*	P*
MSA	140	160	0	0
MSB	35	160	0	0
SISMICA	0	160	0	0

To = Tiro orizzontale del conduttore

I valori di To sono riportati nella seguente tabella:

	CONDUTTORE	CORDA DI GUARDIA
Tiro orizzontale MSA (Kg)	3200	1760
Tiro orizzontale MSB (Kg)	4000	2765
Tiro orizzontale SISMICA (Kg)	3890	2430

I suddetti tiri sono stati ottenuti mediante l'equazione del cambiamento di stato e rappresentano i massimi valori che il tiro assume nelle ipotesi previste:

Per il conduttore in un intervallo di campate reali pari a 200 – 800 m

Per la corda di guardia in un intervallo di campate reali pari a 100 – 1000 m

Alla luce di quanto riportato sopra si riassumono le condizioni di carico nella seguente tabella:

Sona state determinate le azioni esterne per il calcolo del sostegno in condizioni MSA, MSB e SISMICA sia nell'ipotesi di conduttori e corde di guardia integri (ipotesi normale), sia nell'ipotesi di rottura di un conduttore o di una corda di guardia (ipotesi eccezionale.)

IPOTESI	CONDIZIONE MSA					
	CONDUTTORE			CORDA DI GUARDIA		
	P	T	L	Pg	Tg	Lg
Normale	1885	6005	340	1003	3040	240
Eccezionale (*)	1023	3073	3200	502	1520	1860

IPOTESI	CONDIZIONE MSB					
	CONDUTTORE			CORDA DI GUARDIA		
	P	T	L	Pg	Tg	Lg
Normale	2952	5985	300	1520	4195	360
Eccezionale (*)	1556	3010	4000	760	2098	2820

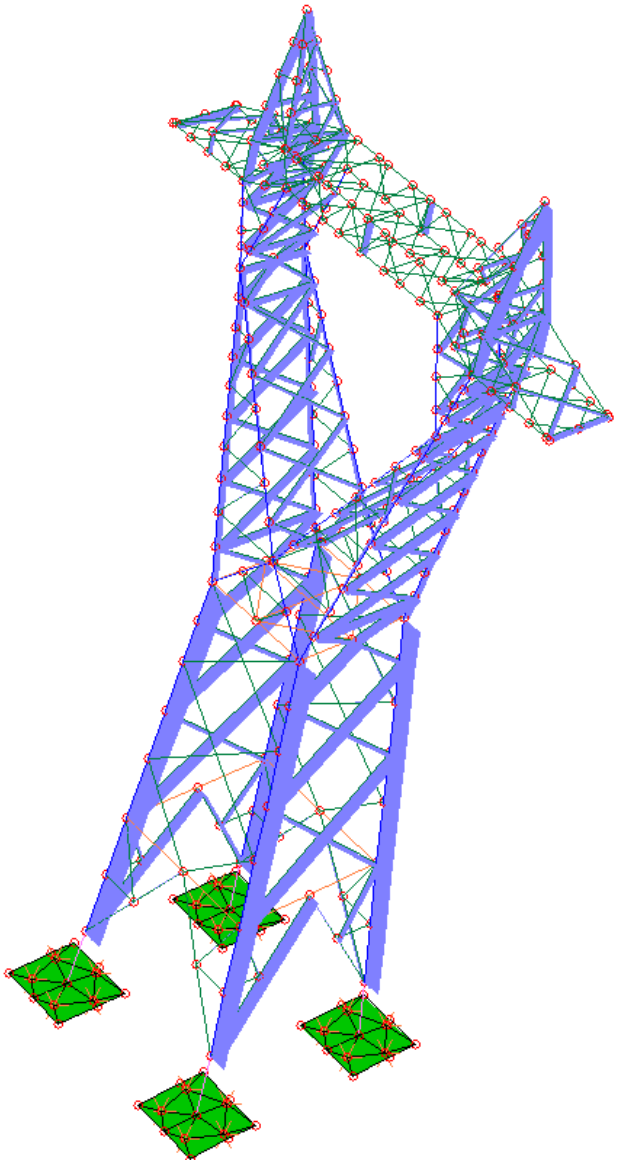
IPOTESI	CONDIZIONE SISMICA					
	CONDUTTORE			CORDA DI GUARDIA		
	P	T	L	Pg	Tg	Lg
Normale	2952	5786	380	1331	3674	270
Eccezionale (*)	1556	2893	3890	666	1837	2470

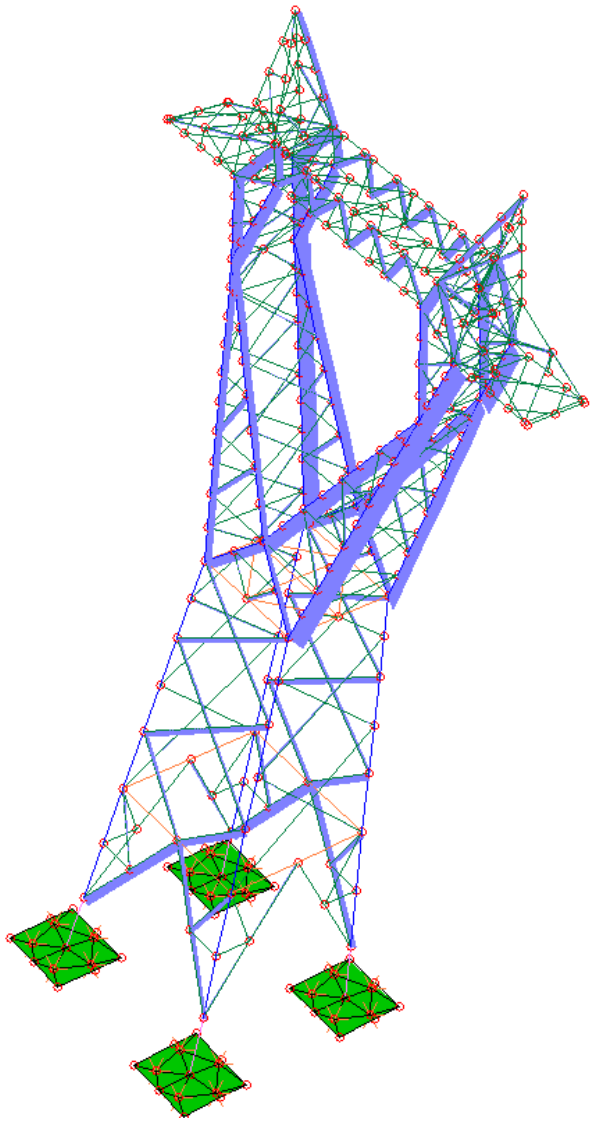
Ai fini della verifica sismica, la massa aggiunta dei cavi è stata stimata come relativa ad una porzione di cavo di lunghezza 17 m, da una parte e dall'altra del traliccio. Tale lunghezza coincide con la semilunghezza d'onda dei cavi alla frequenza fondamentale flessionale del sostegno in esame.

Di seguito si riportano le configurazioni di carico applicate al sostegno.

Ipotesi di carico: *Vento ortogonale alla linea*

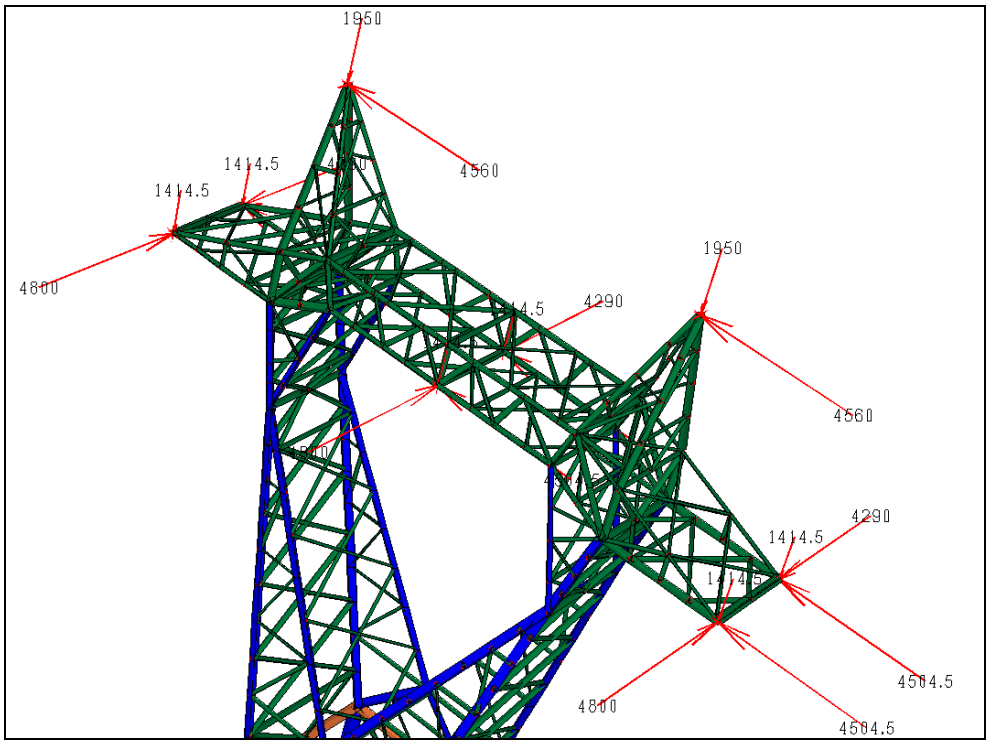
(CARICHI UNIFORMEMENTE DISTRIBUITI SUI PROFILI)



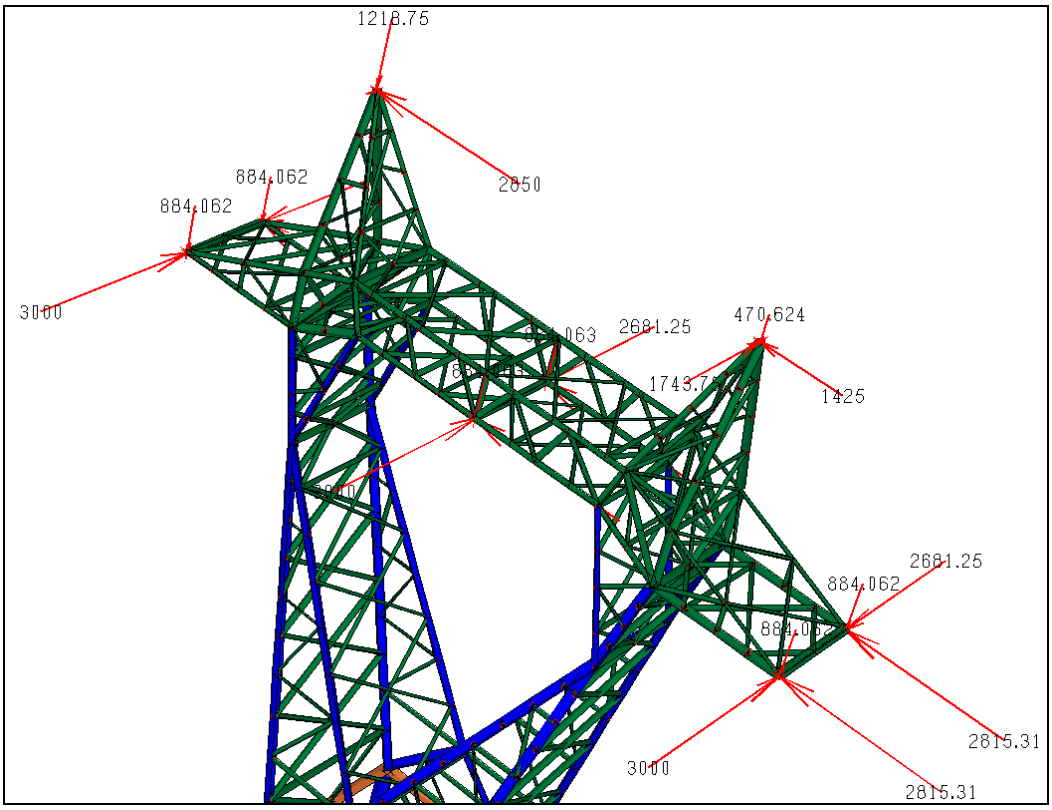


Condizioni di carico MSA vento a 130 km/h assenza di ghiaccio

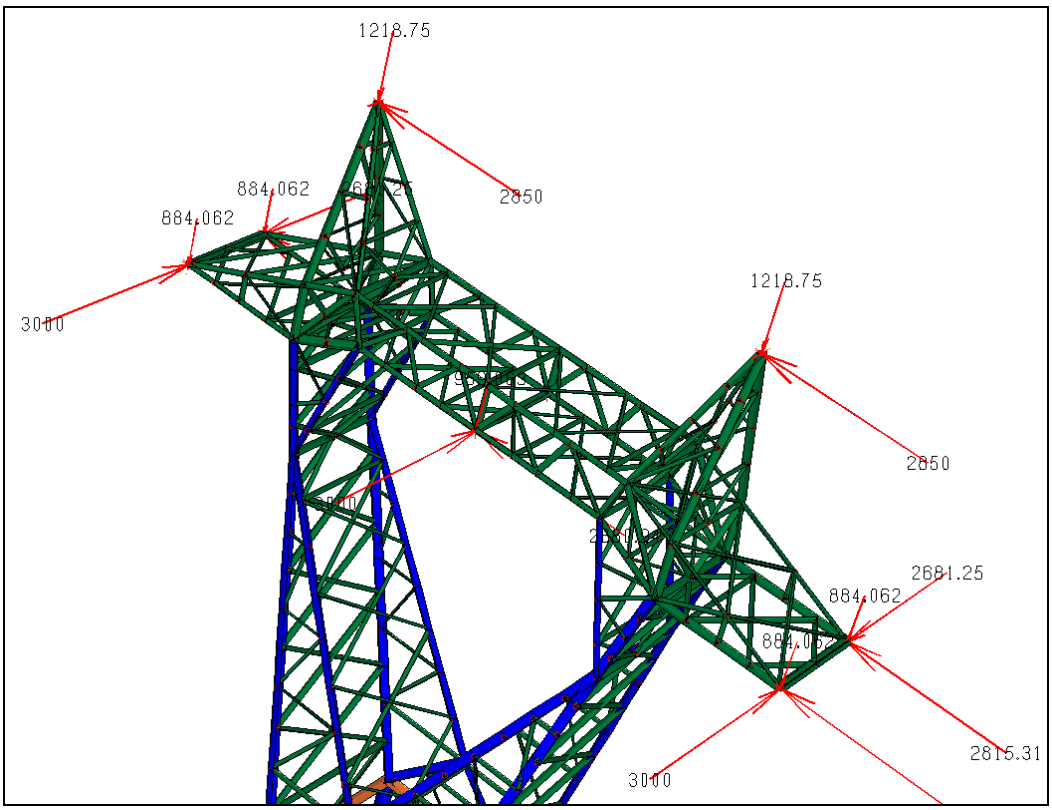
Condizioni di carico: *2° Conduttori e funi integri*



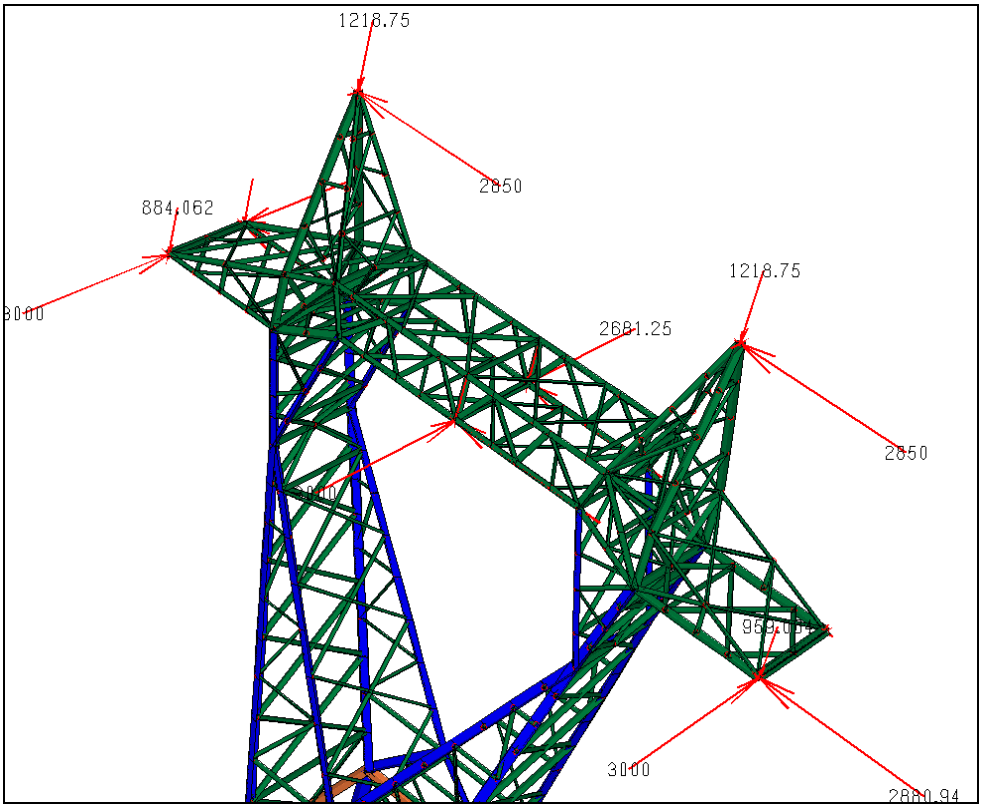
Condizioni di carico: *3° Rottura fune di guardia conduttori integri*



Condizioni di carico: *4° Rottura conduttore centrale – funi di guardia integre*

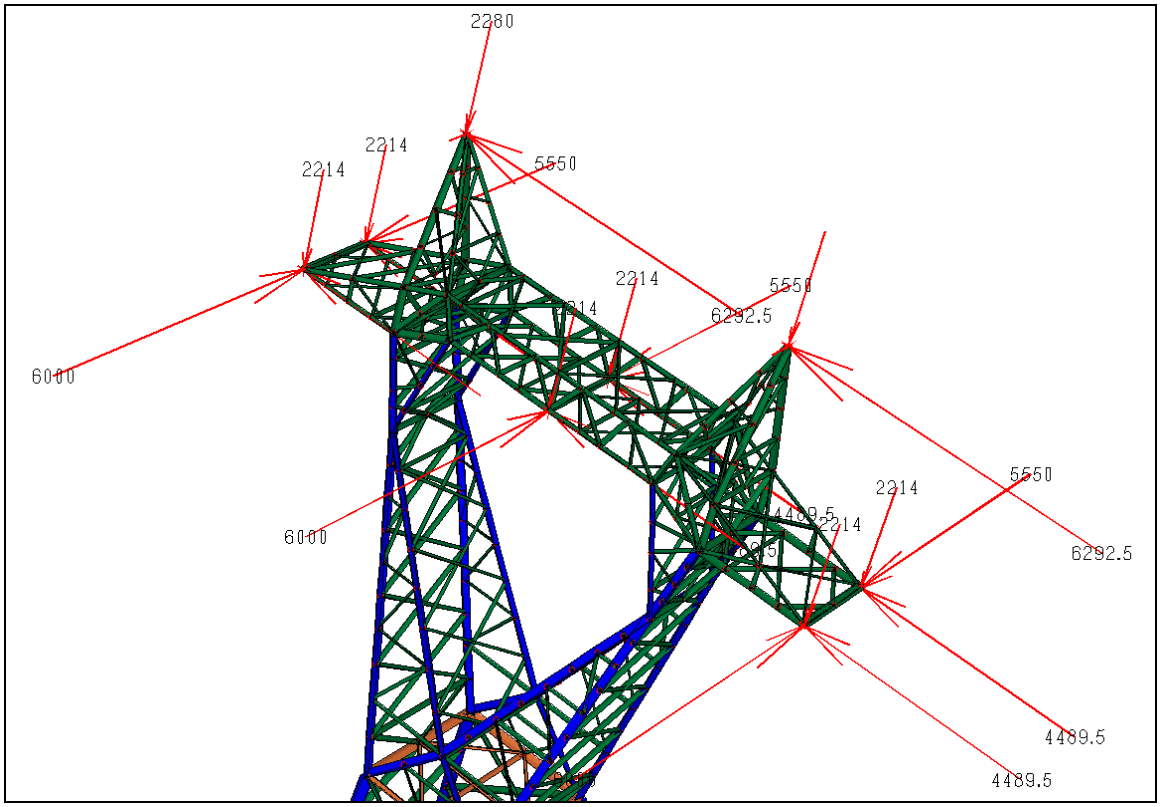


Condizioni di carico: *5° Rottura conduttore esterno – funi di guardia integre*

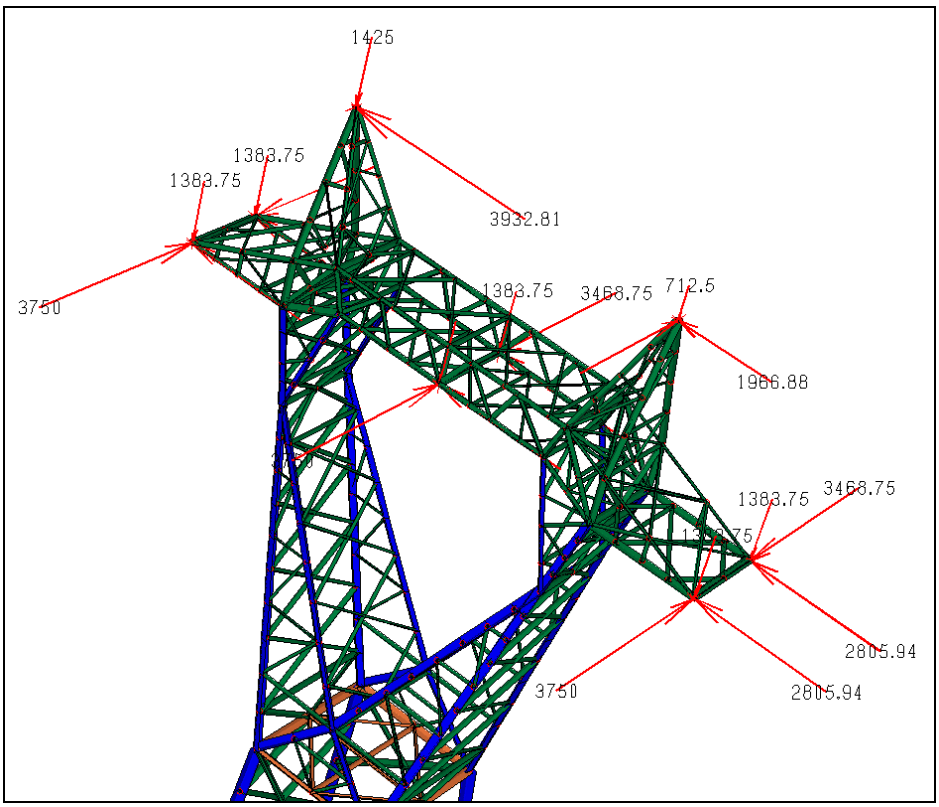


Condizioni di carico MSB con vento a 65 km/h con presenza di ghiaccio

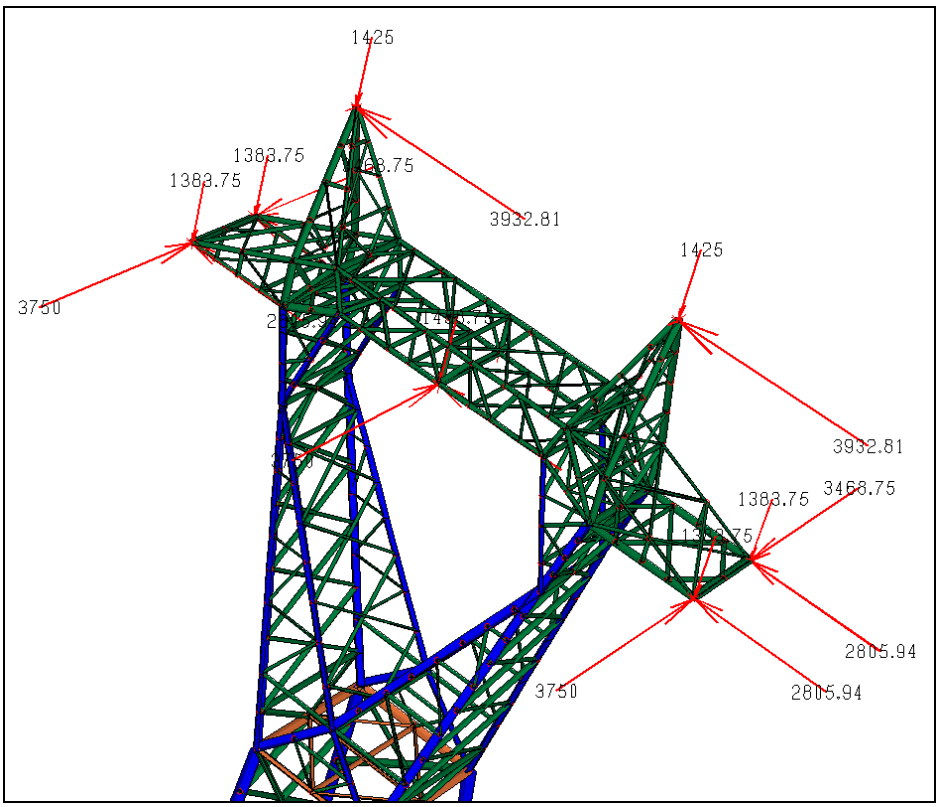
Condizioni di carico: *6° Conduttori e funi integri*



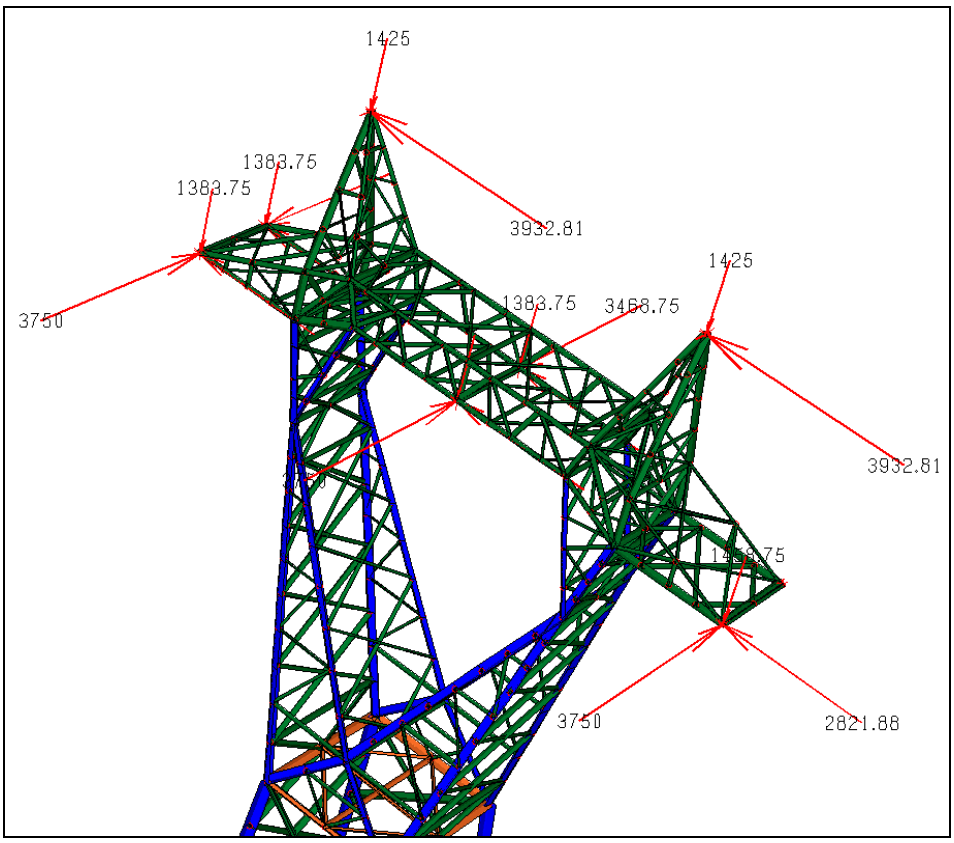
Condizioni di carico: *7° Rottura fune di guardia conduttori integri*



Condizioni di carico: *8° Rottura conduttore centrale – funi di guardia integre*

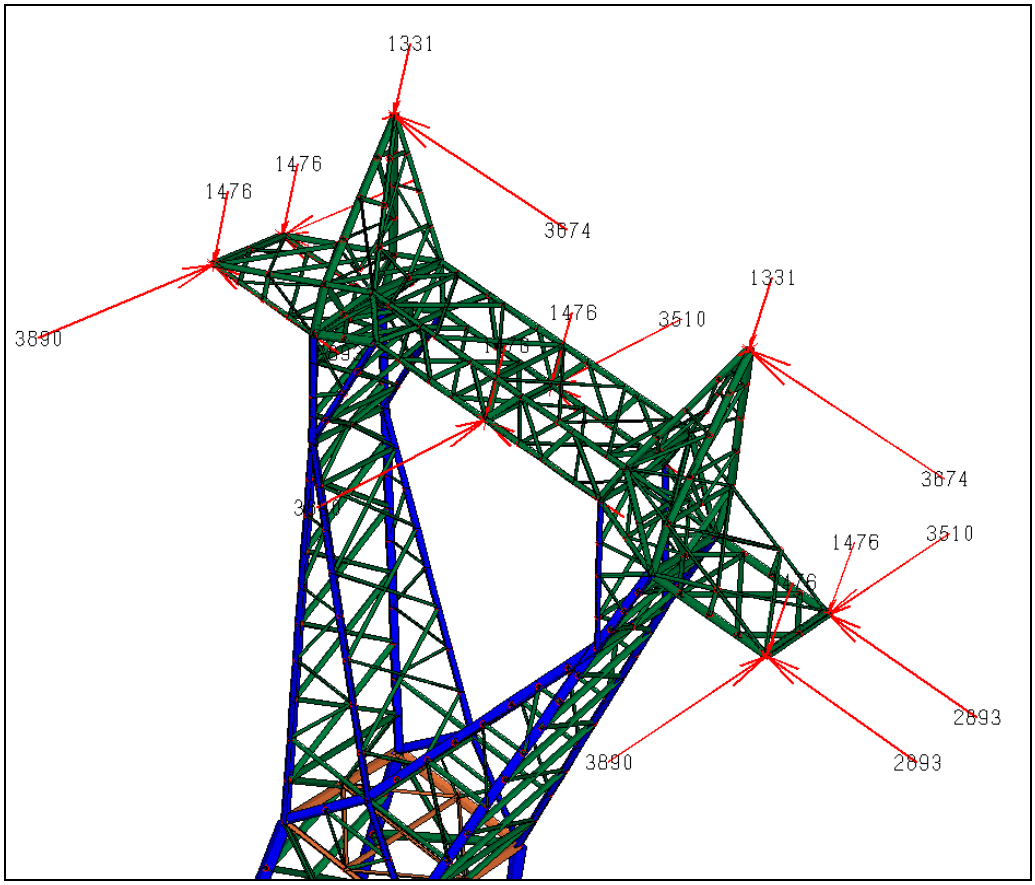


Condizioni di carico: *9° Rottura conduttore esterno – funi di guardia integre*



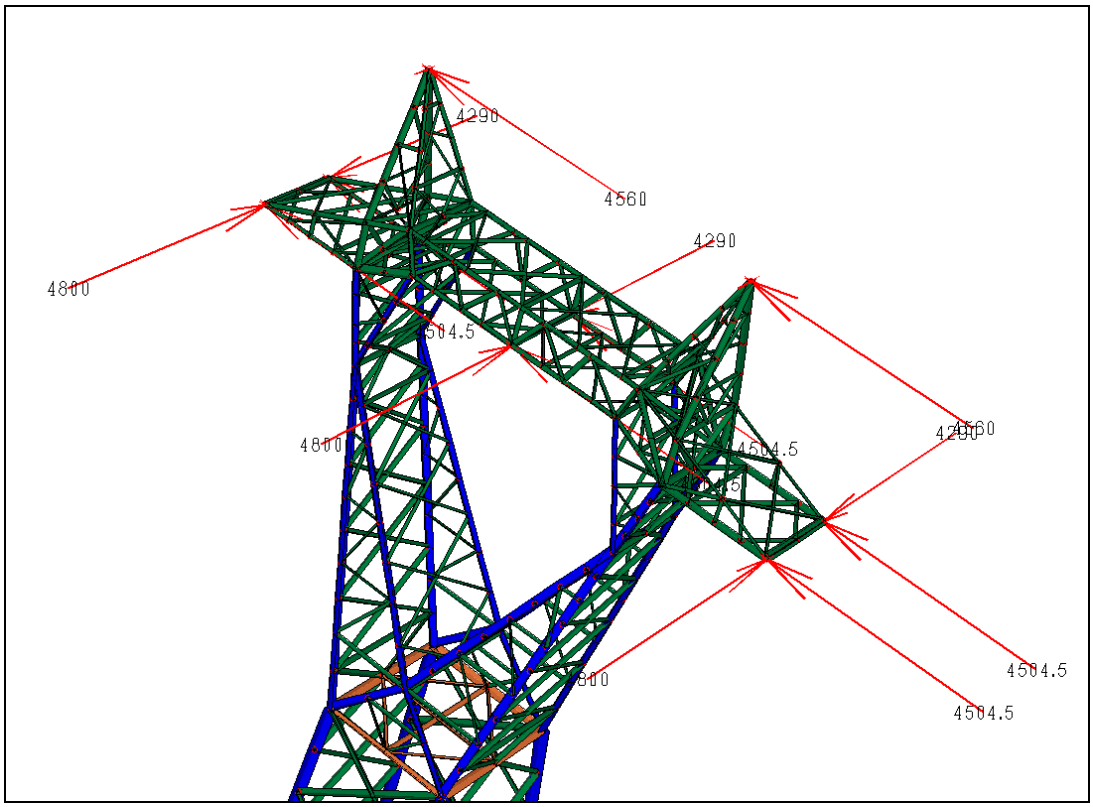
Condizioni di carico SISMICA

Condizioni di carico: *1° Sisma conduttori e guardie integri*

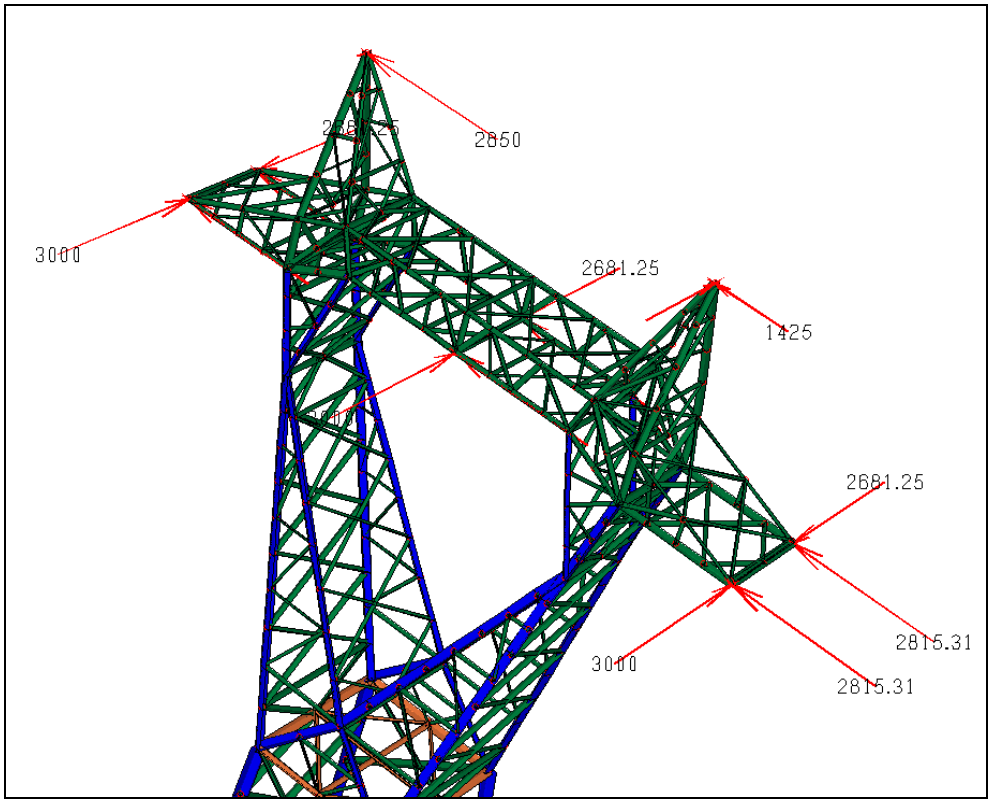


Condizioni di carico MSA vento a 130 km/h assenza di ghiaccio

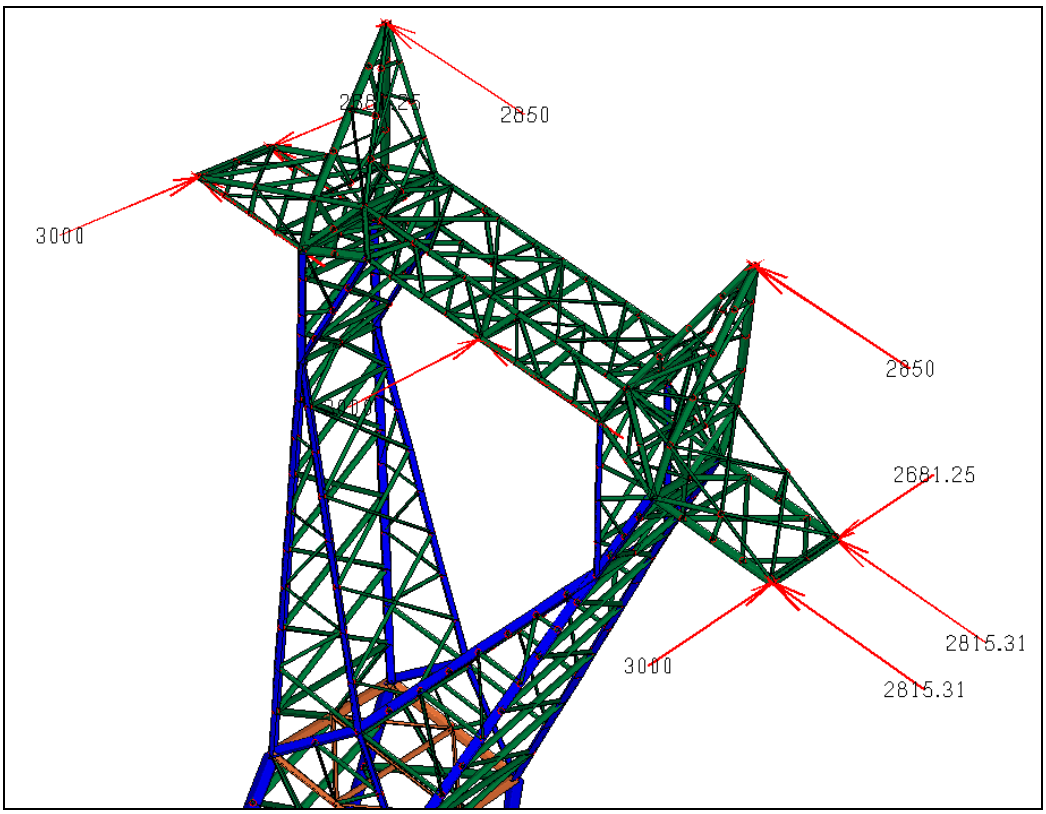
Condizioni di carico: *10° Conduttori e funi integri (campata gravante 0)*



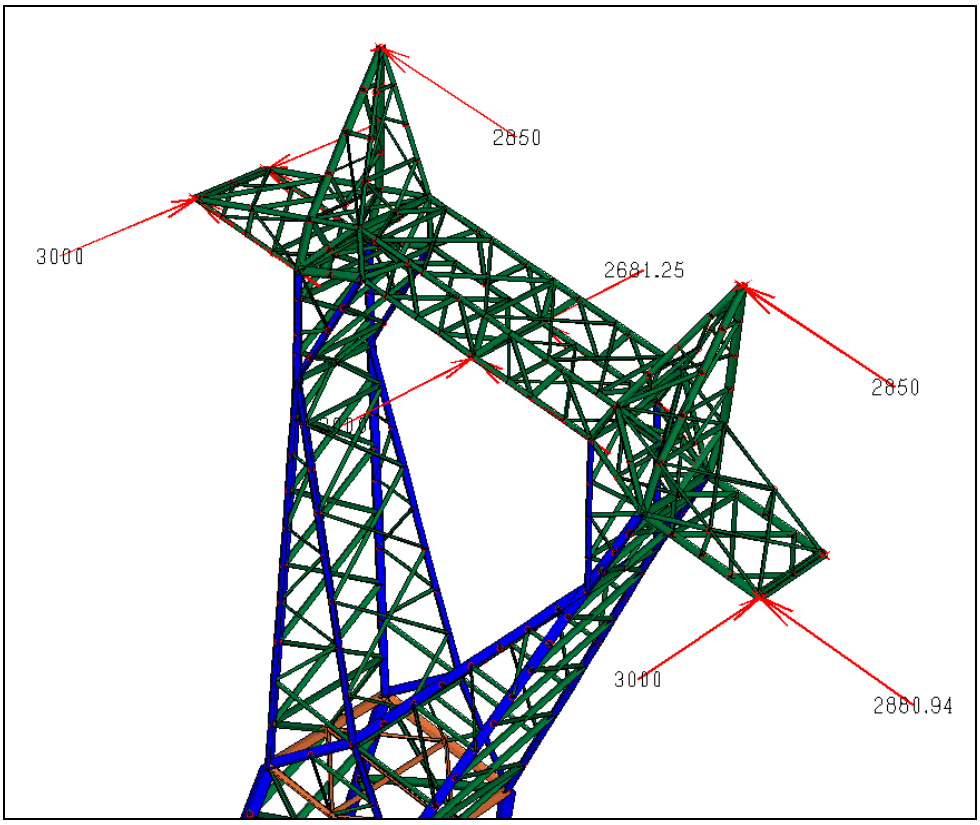
Condizioni di carico: *11° Rottura fune di guardia conduttori integri (campata gravante 0)*



Condizioni di carico: *12° Rottura conduttore centrale – funi di guardia integre (campata gravante 0)*

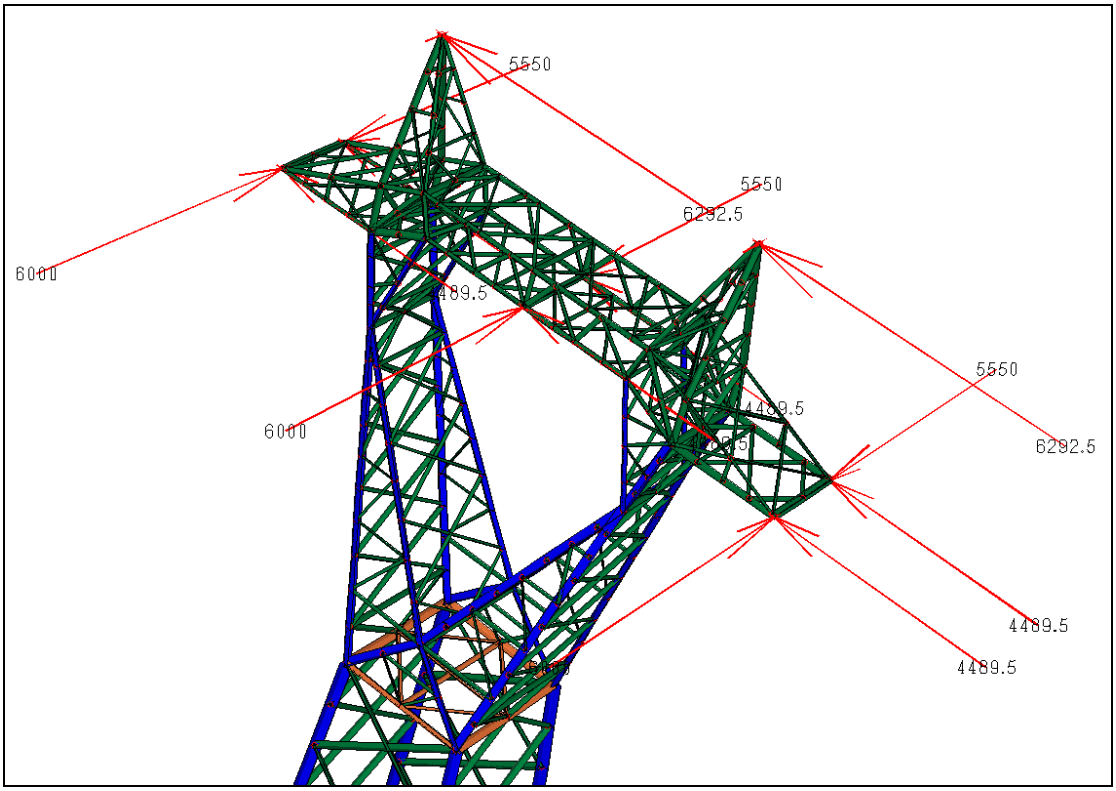


Condizioni di carico: *13° Rottura conduttore esterno – funi di guardia integre (campata gravante 0)*

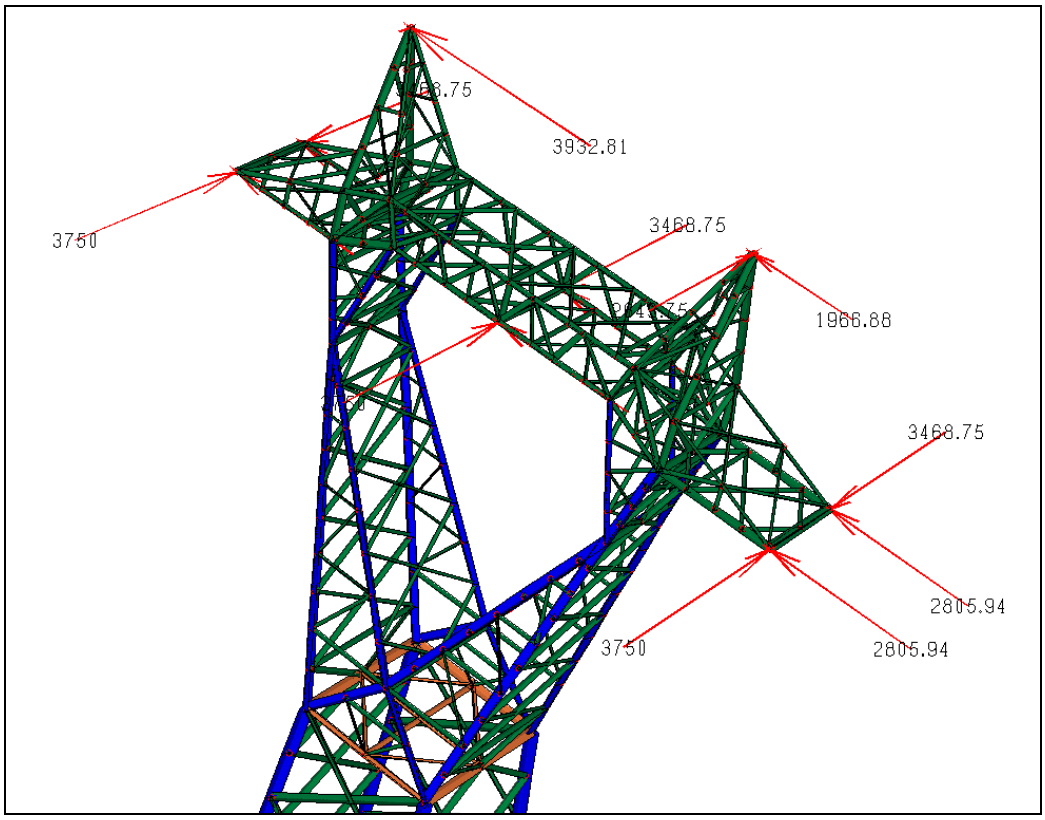


Condizioni di carico MSB con vento a 65 km/h con presenza di ghiaccio

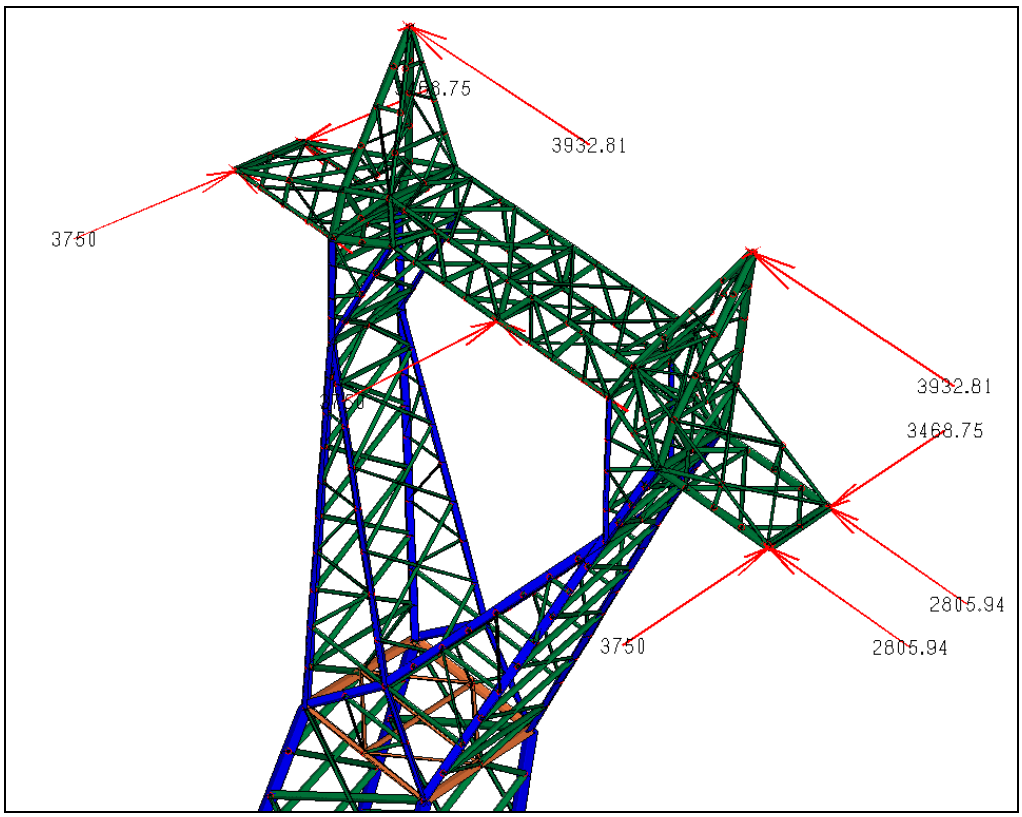
Condizioni di carico: *14° Conduttori e funi integri (campata gravante 0)*



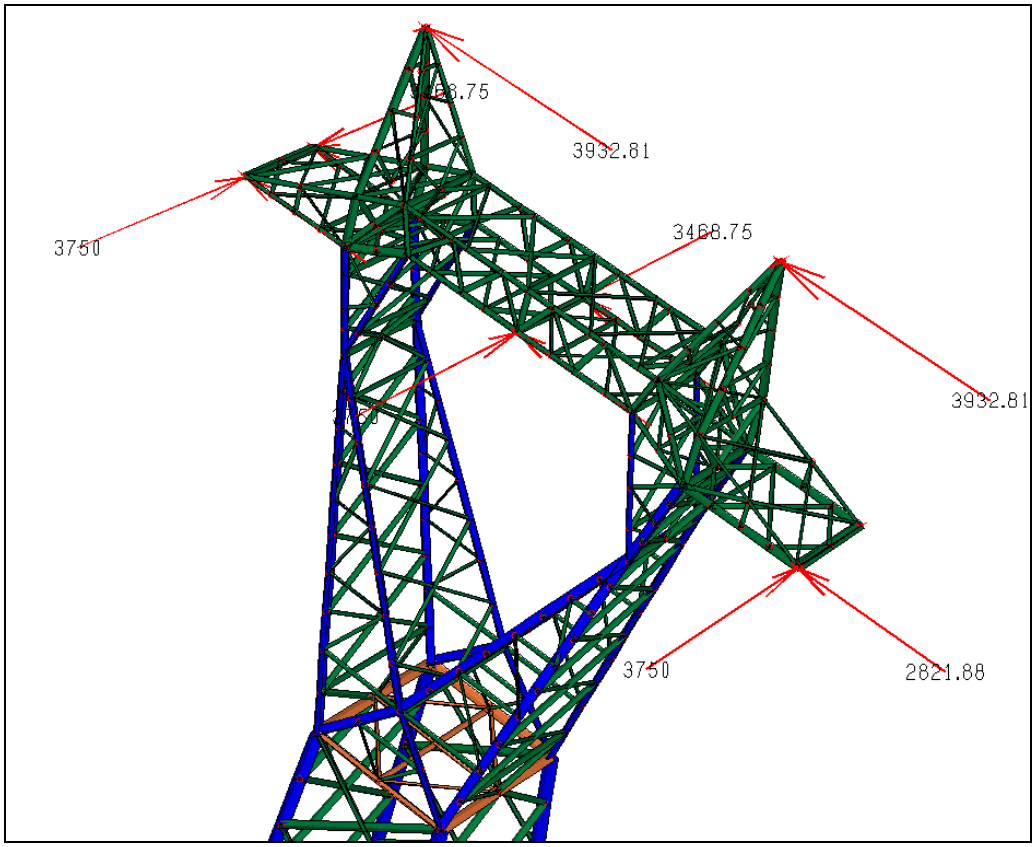
Condizioni di carico: *15° Rottura fune di guardia conduttori integri (campata gravante 0)*



Condizioni di carico: *16° Rottura conduttore centrale – funi di guardia integre (campata gravante 0)*



Condizioni di carico: *17° Rottura conduttore esterno – funi di guardia integre (campata gravante 0)*



8 DATI DI INPUT

INTESTAZIONE E DATI CARATTERISTICI DELLA STRUTTURA (Ordinanza 3274)

Nome dell'archivio di lavoro	:	verifica traliccio fondazioni v1
Intestazione del lavoro	:	verifica traliccio EY 16
Tipo di struttura	:	Nello spazio
Tipo di analisi	:	Statica e Dinamica
Spettro di risposta	:	Stato limite ultimo
Tipo di soluzione	:	Lineare
Unita' di misura delle Forze	:	daN
Unita' di misura Lunghezze	:	m

PARAMETRI SISMICI

Zona sismica	:	2 a/g = 0.25
Categoria del suolo	:	E
Fattore di importanza	:	1.4
Numero di frequenze	:	15
Coefficiente di smorzamento	:	5%
Eccentricità accidentale	:	0%
Angolo del sisma nel piano orizzontale	:	0
Fattori q di struttura per sisma orizzont.	:	qorX = 2 qorY = 1
Sisma lungo l'asse Z	:	No
Combinazione dei modi	:	CQC
Combinazione componenti azioni sismiche	:	Eurocodice 8
λ	:	0.3
μ	:	0.3

GRUPPI DELLA STRUTTURA

ELEMENTO FINITO TRAVE

n.gruppo	descrizione
1	Montanti
2	Riquadri
3	tralicci base
4	pilastrini di fondazione
5	Tralicci bracci
6	Tralicci mensole e trave di collegamento
7	Tralicci cimini

ELEMENTO FINITO GUSCIO

n.gruppo	descrizione
1	Plinti su pali

ELEMENTO FINITO VINCOLO

n.gruppo	descrizione
1	incastri

NODI DEL SISTEMA

nodo	coord X	coord Y	coord Z	temp	uX	uY	uZ	rX	rY	rZ
1	0.000	0.000	3.000	0.000	0	0	0	0	0	0
2	3.252	0.000	3.000	0.000	0	0	0	0	0	0
3	3.252	3.252	3.000	0.000	0	0	0	0	0	0
4	0.000	3.252	3.000	0.000	0	0	0	0	0	0
5	0.430	2.822	8.800	0.000	0	0	0	0	0	0
6	2.822	2.822	8.800	0.000	0	0	0	0	0	0
7	2.822	0.430	8.800	0.000	0	0	0	0	0	0
8	0.430	0.430	8.800	0.000	0	0	0	0	0	0
9	3.052	0.200	5.700	0.000	0	0	0	0	0	0
10	0.200	0.200	5.700	0.000	0	0	0	0	0	0
11	3.052	3.052	5.700	0.000	0	0	0	0	0	0
12	0.200	3.052	5.700	0.000	0	0	0	0	0	0
13	2.892	0.360	7.850	0.000	0	0	0	0	0	0
14	0.360	0.360	7.850	0.000	0	0	0	0	0	0
15	0.360	2.892	7.850	0.000	0	0	0	0	0	0
16	2.892	2.892	7.850	0.000	0	0	0	0	0	0
17	1.626	0.430	8.800	0.000	0	0	0	0	0	0
18	1.626	2.822	8.800	0.000	0	0	0	0	0	0
19	0.111	3.141	4.500	0.000	0	0	0	0	0	0
20	0.111	0.111	4.500	0.000	0	0	0	0	0	0
21	3.141	0.111	4.500	0.000	0	0	0	0	0	0
22	3.141	3.141	4.500	0.000	0	0	0	0	0	0
23	0.289	2.963	6.900	0.000	0	0	0	0	0	0
24	0.289	0.289	6.900	0.000	0	0	0	0	0	0
25	2.963	0.289	6.900	0.000	0	0	0	0	0	0
26	2.963	2.963	6.900	0.000	0	0	0	0	0	0
27	-0.232	3.484	0.000	0.000	0	0	0	0	0	0
28	3.484	3.484	0.000	0.000	0	0	0	0	0	0
29	3.484	-0.232	0.000	0.000	0	0	0	0	0	0
30	-0.232	-0.232	0.000	0.000	0	0	0	0	0	0
31	1.626	3.252	3.000	0.000	0	0	0	0	0	0
32	3.252	1.626	3.000	0.000	0	0	0	0	0	0
33	1.626	0.000	3.000	0.000	0	0	0	0	0	0
34	0.000	1.626	3.000	0.000	0	0	0	0	0	0

35	3.368	0.697	1.500	0.000	0	0	0	0	0	0
36	3.368	2.555	1.500	0.000	0	0	0	0	0	0
37	3.368	-0.116	1.500	0.000	0	0	0	0	0	0
38	3.368	3.368	1.500	0.000	0	0	0	0	0	0
39	2.555	3.368	1.500	0.000	0	0	0	0	0	0
40	0.697	3.368	1.500	0.000	0	0	0	0	0	0
41	-0.116	3.368	1.500	0.000	0	0	0	0	0	0
42	-0.116	2.555	1.500	0.000	0	0	0	0	0	0
43	-0.116	0.697	1.500	0.000	0	0	0	0	0	0
44	-0.116	-0.116	1.500	0.000	0	0	0	0	0	0
45	0.697	-0.116	1.500	0.000	0	0	0	0	0	0
46	2.555	-0.116	1.500	0.000	0	0	0	0	0	0
47	0.430	1.626	8.800	0.000	0	0	0	0	0	0
48	2.822	1.626	8.800	0.000	0	0	0	0	0	0
49	0.526	1.626	10.100	0.000	0	0	0	0	0	0
50	2.726	1.626	10.100	0.000	0	0	0	0	0	0
51	2.339	-0.894	14.500	0.000	0	0	0	0	0	0
52	0.913	-0.894	14.500	0.000	0	0	0	0	0	0
53	2.339	4.146	14.500	0.000	0	0	0	0	0	0
54	0.913	4.146	14.500	0.000	0	0	0	0	0	0
55	0.540	3.124	10.100	0.000	0	0	0	0	0	0
56	0.540	0.128	10.100	0.000	0	0	0	0	0	0
57	2.712	0.128	10.100	0.000	0	0	0	0	0	0
58	2.712	3.124	10.100	0.000	0	0	0	0	0	0
59	2.774	2.224	9.450	0.000	0	0	0	0	0	0
60	2.774	1.028	9.450	0.000	0	0	0	0	0	0
61	0.478	2.224	9.450	0.000	0	0	0	0	0	0
62	0.478	1.028	9.450	0.000	0	0	0	0	0	0
63	0.642	3.403	11.300	0.000	0	0	0	0	0	0
64	0.642	-0.151	11.300	0.000	0	0	0	0	0	0
65	2.610	-0.151	11.300	0.000	0	0	0	0	0	0
66	2.610	3.403	11.300	0.000	0	0	0	0	0	0
67	0.735	3.658	12.400	0.000	0	0	0	0	0	0
68	2.517	3.658	12.400	0.000	0	0	0	0	0	0
69	0.735	-0.406	12.400	0.000	0	0	0	0	0	0
70	2.517	-0.406	12.400	0.000	0	0	0	0	0	0
71	0.824	3.902	13.450	0.000	0	0	0	0	0	0
72	2.428	3.902	13.450	0.000	0	0	0	0	0	0
73	0.824	-0.650	13.450	0.000	0	0	0	0	0	0
74	2.428	-0.650	13.450	0.000	0	0	0	0	0	0
75	0.632	2.313	11.300	0.000	0	0	0	0	0	0
76	0.632	0.939	11.300	0.000	0	0	0	0	0	0
77	2.620	0.939	11.300	0.000	0	0	0	0	0	0
78	2.620	2.313	11.300	0.000	0	0	0	0	0	0
79	0.728	2.943	12.400	0.000	0	0	0	0	0	0
80	0.728	0.309	12.400	0.000	0	0	0	0	0	0
81	2.524	0.309	12.400	0.000	0	0	0	0	0	0
82	2.524	2.943	12.400	0.000	0	0	0	0	0	0
83	0.821	3.545	13.450	0.000	0	0	0	0	0	0
84	0.821	-0.293	13.450	0.000	0	0	0	0	0	0
85	2.431	-0.293	13.450	0.000	0	0	0	0	0	0
86	2.431	3.545	13.450	0.000	0	0	0	0	0	0
87	0.485	0.279	9.450	0.000	0	0	0	0	0	0
88	2.767	0.279	9.450	0.000	0	0	0	0	0	0
89	0.485	2.973	9.450	0.000	0	0	0	0	0	0
90	2.767	2.973	9.450	0.000	0	0	0	0	0	0
91	2.661	-0.011	10.700	0.000	0	0	0	0	0	0
92	0.591	-0.011	10.700	0.000	0	0	0	0	0	0
93	2.564	-0.278	11.850	0.000	0	0	0	0	0	0
94	0.688	-0.278	11.850	0.000	0	0	0	0	0	0
95	0.780	-0.528	12.925	0.000	0	0	0	0	0	0
96	2.472	-0.528	12.925	0.000	0	0	0	0	0	0
97	2.383	-0.772	13.975	0.000	0	0	0	0	0	0
98	0.869	-0.772	13.975	0.000	0	0	0	0	0	0
99	1.626	-0.894	14.500	0.000	0	0	0	0	0	0
100	0.591	3.263	10.700	0.000	0	0	0	0	0	0
101	2.661	3.263	10.700	0.000	0	0	0	0	0	0
102	0.688	3.530	11.850	0.000	0	0	0	0	0	0
103	2.564	3.530	11.850	0.000	0	0	0	0	0	0
104	2.472	3.780	12.925	0.000	0	0	0	0	0	0
105	0.780	3.780	12.925	0.000	0	0	0	0	0	0
106	2.383	4.024	13.975	0.000	0	0	0	0	0	0
107	0.869	4.024	13.975	0.000	0	0	0	0	0	0
108	1.626	4.146	14.500	0.000	0	0	0	0	0	0
109	2.673	1.970	10.700	0.000	0	0	0	0	0	0
110	2.572	2.628	11.850	0.000	0	0	0	0	0	0
111	2.477	3.244	12.925	0.000	0	0	0	0	0	0
112	2.385	3.845	13.975	0.000	0	0	0	0	0	0
113	0.579	1.970	10.700	0.000	0	0	0	0	0	0
114	0.680	2.628	11.850	0.000	0	0	0	0	0	0
115	0.775	3.244	12.925	0.000	0	0	0	0	0	0
116	0.867	3.845	13.975	0.000	0	0	0	0	0	0
117	1.626	1.626	10.100	0.000	0	0	0	0	0	0
118	2.673	1.282	10.700	0.000	0	0	0	0	0	0
119	0.579	1.282	10.700	0.000	0	0	0	0	0	0
120	2.572	0.624	11.850	0.000	0	0	0	0	0	0
121	0.680	0.624	11.850	0.000	0	0	0	0	0	0
122	2.477	0.008	12.925	0.000	0	0	0	0	0	0
123	0.775	0.008	12.925	0.000	0	0	0	0	0	0
124	2.385	-0.593	13.975	0.000	0	0	0	0	0	0
125	0.867	-0.593	13.975	0.000	0	0	0	0	0	0

126	2.289	-1.294	16.000	0.000	0	0	0	0	0	0
127	2.289	4.546	16.000	0.000	0	0	0	0	0	0
128	0.963	-1.294	16.000	0.000	0	0	0	0	0	0
129	0.963	4.546	16.000	0.000	0	0	0	0	0	0
130	0.926	-0.994	14.875	0.000	0	0	0	0	0	0
131	0.951	-1.194	15.625	0.000	0	0	0	0	0	0
132	2.302	-1.194	15.625	0.000	0	0	0	0	0	0
133	2.326	-0.994	14.875	0.000	0	0	0	0	0	0
134	0.926	4.246	14.875	0.000	0	0	0	0	0	0
135	2.326	4.246	14.875	0.000	0	0	0	0	0	0
136	0.951	4.446	15.625	0.000	0	0	0	0	0	0
137	2.302	4.446	15.625	0.000	0	0	0	0	0	0
138	1.626	-1.294	16.000	0.000	0	0	0	0	0	0
139	1.626	4.546	16.000	0.000	0	0	0	0	0	0
140	2.289	3.546	16.500	0.000	0	0	0	0	0	0
141	2.289	-0.294	16.500	0.000	0	0	0	0	0	0
142	0.963	3.546	16.500	0.000	0	0	0	0	0	0
143	0.963	-0.294	16.500	0.000	0	0	0	0	0	0
144	2.289	-0.514	17.150	0.000	0	0	0	0	0	0
145	0.963	-0.514	17.150	0.000	0	0	0	0	0	0
146	2.289	3.766	17.150	0.000	0	0	0	0	0	0
147	0.963	3.766	17.150	0.000	0	0	0	0	0	0
148	0.938	-0.594	15.500	0.000	0	0	0	0	0	0
149	2.314	-0.594	15.500	0.000	0	0	0	0	0	0
150	0.938	-1.094	15.250	0.000	0	0	0	0	0	0
151	2.314	-1.094	15.250	0.000	0	0	0	0	0	0
152	0.938	3.846	15.500	0.000	0	0	0	0	0	0
153	2.314	3.846	15.500	0.000	0	0	0	0	0	0
154	0.935	4.319	15.150	0.000	0	0	0	0	0	0
155	2.314	4.346	15.250	0.000	0	0	0	0	0	0
156	0.924	4.014	14.940	0.000	0	0	0	0	0	0
157	2.328	4.014	14.940	0.000	0	0	0	0	0	0
158	0.949	3.714	15.940	0.000	0	0	0	0	0	0
159	-0.895	3.253	-1.400	0.000	0	0	0	0	0	0
160	2.303	3.714	15.940	0.000	0	0	0	0	0	0
161	1.626	3.546	16.500	0.000	0	0	0	0	0	0
162	0.924	-0.762	14.940	0.000	0	0	0	0	0	0
163	2.328	-0.762	14.940	0.000	0	0	0	0	0	0
164	2.303	-0.462	15.940	0.000	0	0	0	0	0	0
165	0.949	-0.462	15.940	0.000	0	0	0	0	0	0
166	1.626	-0.294	16.500	0.000	0	0	0	0	0	0
167	0.963	2.586	16.500	0.000	0	0	0	0	0	0
168	0.963	1.626	16.500	0.000	0	0	0	0	0	0
169	0.963	0.666	16.500	0.000	0	0	0	0	0	0
170	0.963	2.910	17.150	0.000	0	0	0	0	0	0
171	0.963	2.054	17.150	0.000	0	0	0	0	0	0
172	0.963	1.198	17.150	0.000	0	0	0	0	0	0
173	0.963	0.342	17.150	0.000	0	0	0	0	0	0
174	2.289	2.586	16.500	0.000	0	0	0	0	0	0
175	2.289	1.626	16.500	0.000	0	0	0	0	0	0
176	2.289	0.666	16.500	0.000	0	0	0	0	0	0
177	2.289	2.910	17.150	0.000	0	0	0	0	0	0
178	2.289	2.054	17.150	0.000	0	0	0	0	0	0
179	2.289	1.198	17.150	0.000	0	0	0	0	0	0
180	2.289	0.342	17.150	0.000	0	0	0	0	0	0
181	0.963	1.626	17.150	0.000	0	0	0	0	0	0
182	2.289	1.626	17.150	0.000	0	0	0	0	0	0
183	0.963	3.116	16.500	0.000	0	0	0	0	0	0
184	2.289	3.116	16.500	0.000	0	0	0	0	0	0
185	0.963	2.196	16.500	0.000	0	0	0	0	0	0
186	2.289	2.196	16.500	0.000	0	0	0	0	0	0
187	0.963	0.136	16.500	0.000	0	0	0	0	0	0
188	2.289	0.136	16.500	0.000	0	0	0	0	0	0
189	2.289	1.056	16.500	0.000	0	0	0	0	0	0
190	0.963	1.056	16.500	0.000	0	0	0	0	0	0
191	1.626	1.626	16.500	0.000	0	0	0	0	0	0
192	0.963	3.466	17.150	0.000	0	0	0	0	0	0
193	0.963	2.666	17.150	0.000	0	0	0	0	0	0
194	2.289	3.466	17.150	0.000	0	0	0	0	0	0
195	2.289	2.666	17.150	0.000	0	0	0	0	0	0
196	0.963	-0.214	17.150	0.000	0	0	0	0	0	0
197	2.289	-0.214	17.150	0.000	0	0	0	0	0	0
198	0.963	0.586	17.150	0.000	0	0	0	0	0	0
199	2.289	0.586	17.150	0.000	0	0	0	0	0	0
200	1.626	3.766	17.150	0.000	0	0	0	0	0	0
201	1.626	-0.514	17.150	0.000	0	0	0	0	0	0
202	0.963	-0.794	16.250	0.000	0	0	0	0	0	0
203	2.289	-0.794	16.250	0.000	0	0	0	0	0	0
204	0.963	-0.904	16.575	0.000	0	0	0	0	0	0
205	2.289	-0.904	16.575	0.000	0	0	0	0	0	0
206	1.626	-0.904	16.575	0.000	0	0	0	0	0	0
207	2.289	4.046	16.250	0.000	0	0	0	0	0	0
208	0.963	4.046	16.250	0.000	0	0	0	0	0	0
209	2.289	4.156	16.575	0.000	0	0	0	0	0	0
210	0.963	4.156	16.575	0.000	0	0	0	0	0	0
211	1.626	4.156	16.575	0.000	0	0	0	0	0	0
212	0.963	-3.144	16.000	0.000	0	0	0	0	0	0
213	2.289	-3.144	16.000	0.000	0	0	0	0	0	0
214	0.963	-2.219	16.000	0.000	0	0	0	0	0	0
215	2.289	-2.219	16.000	0.000	0	0	0	0	0	0
216	0.963	5.471	16.000	0.000	0	0	0	0	0	0

217	2.289	5.471	16.000	0.000	0	0	0	0	0	0
218	0.963	6.396	16.000	0.000	0	0	0	0	0	0
219	2.289	6.396	16.000	0.000	0	0	0	0	0	0
220	1.626	6.396	16.000	0.000	0	0	0	0	0	0
221	1.626	-3.144	16.000	0.000	0	0	0	0	0	0
222	0.963	5.006	16.000	0.000	0	0	0	0	0	0
223	2.289	5.006	16.000	0.000	0	0	0	0	0	0
224	0.963	-1.754	16.000	0.000	0	0	0	0	0	0
225	2.289	-1.754	16.000	0.000	0	0	0	0	0	0
226	0.963	5.931	16.000	0.000	0	0	0	0	0	0
227	2.289	5.931	16.000	0.000	0	0	0	0	0	0
228	0.963	-2.679	16.000	0.000	0	0	0	0	0	0
229	2.289	-2.679	16.000	0.000	0	0	0	0	0	0
230	0.963	4.546	16.810	0.000	0	0	0	0	0	0
231	0.963	-1.294	16.810	0.000	0	0	0	0	0	0
232	0.963	5.471	16.405	0.000	0	0	0	0	0	0
233	0.963	-2.219	16.405	0.000	0	0	0	0	0	0
234	2.289	4.546	16.810	0.000	0	0	0	0	0	0
235	2.289	-1.294	16.810	0.000	0	0	0	0	0	0
236	2.289	-2.219	16.405	0.000	0	0	0	0	0	0
237	2.289	5.471	16.405	0.000	0	0	0	0	0	0
238	0.963	-3.098	16.020	0.000	0	0	0	0	0	0
239	2.289	-3.098	16.020	0.000	0	0	0	0	0	0
240	2.289	6.350	16.020	0.000	0	0	0	0	0	0
241	0.963	6.350	16.020	0.000	0	0	0	0	0	0
242	1.787	-1.294	18.620	0.000	0	0	0	0	0	0
243	2.109	-1.294	17.460	0.000	0	0	0	0	0	0
244	1.465	-1.294	18.620	0.000	0	0	0	0	0	0
245	1.143	-1.294	17.460	0.000	0	0	0	0	0	0
246	1.626	4.546	19.200	0.000	0	0	0	0	0	0
247	1.626	-1.294	19.200	0.000	0	0	0	0	0	0
248	1.626	-1.294	16.810	0.000	0	0	0	0	0	0
249	1.626	4.546	16.810	0.000	0	0	0	0	0	0
250	2.109	4.546	17.460	0.000	0	0	0	0	0	0
251	1.787	4.546	18.620	0.000	0	0	0	0	0	0
252	1.143	4.546	17.460	0.000	0	0	0	0	0	0
253	1.465	4.546	18.620	0.000	0	0	0	0	0	0
254	1.304	4.546	18.040	0.000	0	0	0	0	0	0
255	1.293	4.154	18.170	0.000	0	0	0	0	0	0
256	1.948	4.546	18.040	0.000	0	0	0	0	0	0
257	1.959	4.154	18.170	0.000	0	0	0	0	0	0
258	1.304	-1.294	18.040	0.000	0	0	0	0	0	0
259	1.293	-0.902	18.170	0.000	0	0	0	0	0	0
260	1.948	-1.294	18.040	0.000	0	0	0	0	0	0
261	1.959	-0.902	18.170	0.000	0	0	0	0	0	0
262	1.138	3.971	17.690	0.000	0	0	0	0	0	0
263	2.114	3.971	17.690	0.000	0	0	0	0	0	0
264	1.464	4.356	18.700	0.000	0	0	0	0	0	0
265	1.788	4.356	18.700	0.000	0	0	0	0	0	0
266	2.114	-0.719	17.690	0.000	0	0	0	0	0	0
267	1.138	-0.719	17.690	0.000	0	0	0	0	0	0
268	1.788	-1.104	18.700	0.000	0	0	0	0	0	0
269	1.464	-1.104	18.700	0.000	0	0	0	0	0	0
270	-0.845	4.002	-1.400	0.000	0	0	0	0	0	0
271	0.435	3.592	-1.400	0.000	0	0	0	0	0	0
272	-0.123	4.205	-1.400	0.000	0	0	0	0	0	0
273	3.592	-0.340	-1.400	0.000	0	0	0	0	0	0
274	3.592	3.592	-1.400	0.000	0	0	0	0	0	0
275	-0.340	-0.340	-1.400	0.000	0	0	0	0	0	0
276	-0.340	3.592	-1.400	0.000	0	0	0	0	0	0
277	-0.206	2.956	-1.400	0.000	0	0	0	0	0	0
278	0.304	3.506	-1.400	0.000	0	0	0	0	0	0
279	-1.115	3.592	-1.400	0.000	0	0	0	0	0	0
280	-1.115	4.367	-1.400	0.000	0	0	0	0	0	0
281	0.435	4.367	-1.400	0.000	0	0	0	0	0	0
282	-1.115	2.817	-1.400	0.000	0	0	0	0	0	0
283	0.435	2.817	-1.400	0.000	0	0	0	0	0	0
284	-0.206	2.817	-1.400	0.000	0	0	0	0	0	0
285	-0.123	4.367	-1.400	0.000	0	0	0	0	0	0
286	3.809	4.367	-1.400	0.000	0	0	0	0	0	0
287	3.726	2.817	-1.400	0.000	0	0	0	0	0	0
288	4.367	2.817	-1.400	0.000	0	0	0	0	0	0
289	2.817	2.817	-1.400	0.000	0	0	0	0	0	0
290	4.367	4.367	-1.400	0.000	0	0	0	0	0	0
291	2.817	4.367	-1.400	0.000	0	0	0	0	0	0
292	2.817	3.592	-1.400	0.000	0	0	0	0	0	0
293	4.367	3.592	-1.400	0.000	0	0	0	0	0	0
294	4.237	3.506	-1.400	0.000	0	0	0	0	0	0
295	3.726	2.956	-1.400	0.000	0	0	0	0	0	0
296	3.038	3.253	-1.400	0.000	0	0	0	0	0	0
297	3.087	4.002	-1.400	0.000	0	0	0	0	0	0
298	3.809	4.205	-1.400	0.000	0	0	0	0	0	0
299	-0.123	0.435	-1.400	0.000	0	0	0	0	0	0
300	-0.206	-1.115	-1.400	0.000	0	0	0	0	0	0
301	0.435	-1.115	-1.400	0.000	0	0	0	0	0	0
302	-1.115	-1.115	-1.400	0.000	0	0	0	0	0	0
303	0.435	0.435	-1.400	0.000	0	0	0	0	0	0
304	-1.115	0.435	-1.400	0.000	0	0	0	0	0	0
305	-1.115	-0.340	-1.400	0.000	0	0	0	0	0	0
306	0.435	-0.340	-1.400	0.000	0	0	0	0	0	0
307	0.304	-0.426	-1.400	0.000	0	0	0	0	0	0

308	-0.206	-0.976	-1.400	0.000	0	0	0	0	0	0
309	-0.895	-0.679	-1.400	0.000	0	0	0	0	0	0
310	-0.845	0.069	-1.400	0.000	0	0	0	0	0	0
311	-0.123	0.272	-1.400	0.000	0	0	0	0	0	0
312	3.809	0.435	-1.400	0.000	0	0	0	0	0	0
313	3.726	-1.115	-1.400	0.000	0	0	0	0	0	0
314	4.367	-1.115	-1.400	0.000	0	0	0	0	0	0
315	2.817	-1.115	-1.400	0.000	0	0	0	0	0	0
316	4.367	0.435	-1.400	0.000	0	0	0	0	0	0
317	2.817	0.435	-1.400	0.000	0	0	0	0	0	0
318	2.817	-0.340	-1.400	0.000	0	0	0	0	0	0
319	4.367	-0.340	-1.400	0.000	0	0	0	0	0	0
320	4.237	-0.426	-1.400	0.000	0	0	0	0	0	0
321	3.726	-0.976	-1.400	0.000	0	0	0	0	0	0
322	3.038	-0.679	-1.400	0.000	0	0	0	0	0	0
323	3.087	0.069	-1.400	0.000	0	0	0	0	0	0
324	3.809	0.272	-1.400	0.000	0	0	0	0	0	0

LEGENDA: descrizione della simbologia adottata per i gradi di liberta'

Simbolo	Descrizione del Grado di Libertà
0	libero
1	bloccato

MATERIALI UTILIZZATI

mater.	descrizione / Ang.beta	mod.elast / mod.elast 2	c.Poisson / mod.elast 3	peso unit. / c.Poisson 2	dil.term / c.Poisson 3	aliq.inerz / mod.taglio	rigid.taglio / dil.term 2	rigid.fless. / dil.term 3
1	Acciaio	+2.10e+010	0.300	7849.99951	+1.20e-005	1.000	1.000	1.000
	--	--	--	--	--	--	--	--
2	Calcestruzzo	+2.84e+009	0.120	2500.00000	+1.00e-005	1.000	1.000	1.000
	--	--	--	--	--	--	--	--

SEZIONI

sez.	tipo	D
23	Cp	0.700

sez.	tipo	Codice Profilato	Asse y capovolto
1	Ps	L 150X 18	No
2	Ps	L 110X 8	No
3	Ps	L 100X 7	No
4	Ps	L 90X 5	No
5	Ps	L 90X 6	No
6	Ps	L 40X 4	No
7	Ps	L 60X 4	No
9	Ps	L 45X 4	No
10	Ps	L 120X 9	No
11	Ps	L 65X 5	No
13	Ps	L 75X 5	No
14	Ps	L 90X 7	No
15	Ps	L 100X 8	No
16	Ps	L 50X 4	No
17	Ps	L 90X 8	No
18	Ps	L 70X 5	No
19	Ps	L 55X 4	No
21	Ps	L 75X 6	No
22	Ps	L 35X 4	No

sez.	tipo	Codice Profilato	Tipo accopp.	Distanza	Ali	Lati
20	Pd	L 55X 4	__a_'T'__	0.010		

sez.	tipo	Altezza	Base	Spessore anima	Spessore ali	pos.
8	L.	0.130	0.130	0.011	0.011	1
12	L.	0.065	0.065	0.004	0.004	1

CARICHI IN LUCE

car.	Cond.	tipo	descrizione	val.iniz.	dist.nodo i	val.fin.	dist.nodo i	aliq.inerz.
21	E	fY	Vento 130 Km/h	120.000000	0.000	120.000000	L	0.0000
22	F	fY	Vento 65 Km/h	30.000000	0.000	30.000000	L	0.0000

ELEMENTO FINITO TRAVE GRUPPO N.1
Montanti

asta	ni	nj	nk	connessioni nodo i	connessioni nodo j	mat	sez	cond carico nei casi base (1)	(2)	(3)	(4)	(5)
1	14	8	0	(1)	(1)	1	1	A:				
								E:0.15	F:0.15	G:		H:
2	13	7	0	(1)	(1)	1	1	A:				
								E:0.15	F:0.15	G:		H:
3	11	26	0	(1)	(1)	1	1	A:				
								E:0.15	F:0.15	G:		H:
4	15	5	0	(1)	(1)	1	1	A:				
								E:0.15	F:0.15	G:		H:
5	19	12	0	(1)	(1)	1	1	A:				
								E:0.15	F:0.15	G:		H:

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 6    12    23     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
 7    20    10     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
 8    10    24     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
 9    21     9     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
10    25    13     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
11     3    22     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
12    16     6     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
13     4    19     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
14     1    20     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
15     2    21     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
16    22    11     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
17    23    15     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
18    24    14     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
19     9    25     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
20    26    16     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
21    44     1     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
22    37     2     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
23    41     4     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
24    38     3     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
25    29    37     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
26    28    38     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
27    27    41     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
28    30    44     0     (1)     (1)      1   1  A:
                                                  E:0.15   F:0.15   G:      H:
29   122    85     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
30   124    51     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
31   120    81     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
32   118    77     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
33   111    86     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
34   112    53     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
35   110    82     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
36   109    78     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
37   115    83     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
38   116    54     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
39   114    79     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
40   113    75     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
41    97    51     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
42    96    74     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
43    93    70     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
44    91    65     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
45   106    53     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
46   104    72     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
47   103    68     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
48   101    66     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
49   107    54     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
50   105    71     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
51   102    67     0     (1)     (1)      1   8  A:
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                                                  E:0.13   F:0.13   G:      H:
52   100    63     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
53    90    58     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
54     7    88     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
55     5    89     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
56   123    84     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
57   125    52     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
58   121    80     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
59   119    76     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
60    98    52     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
61    95    73     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
62    94    69     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
63    92    64     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
64    60    50     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
65     8    87     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
66    62    49     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
67     8    62     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
68     5    61     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
69    61    49     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
70     7    60     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
71     6    59     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
72    59    50     0     (1)     (1)      1   2  A:
                                                  E:0.11   F:0.11   G:      H:
73    87    56     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
74    88    57     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
75     6    90     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
76    89    55     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
77    56    92     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
78    64    94     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
79    69    95     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
80    73    98     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
81    57    91     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
82    65    93     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
83    70    96     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
84    74    97     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
85    58   101     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
86    66   103     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
87    68   104     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
88    72   106     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
89    55   100     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
90    63   102     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
91    67   105     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
92    71   107     0     (1)     (1)      1   8  A:
                                                  E:0.13   F:0.13   G:      H:
93    49   113     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
94    75   114     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
95    79   115     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
96    83   116     0     (1)     (1)      1  10  A:
                                                  E:0.12   F:0.12   G:      H:
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97	50	109	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
98	78	110	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
99	82	111	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
100	86	112	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
101	50	118	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
102	77	120	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
103	81	122	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
104	85	124	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
105	49	119	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
106	76	121	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
107	80	123	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
108	84	125	0	(1)	(1)	1	10	A:				
								E:0.12	F:0.12	G:	H:	
109	52	130	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
110	150	131	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
111	131	128	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
112	51	133	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
113	151	132	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
114	132	126	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
115	54	134	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
116	154	136	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
117	136	129	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
118	53	135	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
119	155	137	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
120	137	127	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
121	162	148	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
122	165	143	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
123	163	149	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
124	164	141	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
125	130	150	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
126	133	151	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
127	156	152	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
128	157	153	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
129	158	142	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
130	160	140	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
131	134	154	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
132	135	155	0	(1)	(1)	1	8	A:				
								E:0.13	F:0.13	G:	H:	
133	54	156	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
134	152	158	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
135	53	157	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
136	153	160	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
137	51	163	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
138	149	164	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
139	52	162	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	
140	148	165	0	(1)	(1)	1	14	A:				
								E:0.09	F:0.09	G:	H:	

Descrizione delle connessioni / rigidezze

(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO TRAVE GRUPPO N.2
Riquadri

asta	ni	nj	nk	connessioni nodo i	connessioni nodo j	mat	sez		cond carico nei casi base (1)	(2)	(3)	(4)	(5)
1	17	7	0	(1)	(1)	1	2	A:					
2	47	5	0	(1)	(1)	1	2	A:					
3	18	6	0	(1)	(1)	1	2	A:					
4	6	48	0	(1)	(1)	1	2	A:					
5	1	33	0	(1)	(1)	1	3	A:					
6	34	4	0	(1)	(1)	1	3	A:					
7	31	3	0	(1)	(1)	1	3	A:					
8	2	32	0	(1)	(1)	1	3	A:					
9	5	18	0	(1)	(1)	1	2	A:					
10	8	17	0	(1)	(1)	1	2	A:					
11	4	31	0	(1)	(1)	1	3	A:					
12	32	3	0	(1)	(1)	1	3	A:					
13	33	2	0	(1)	(1)	1	3	A:					
14	1	34	0	(1)	(1)	1	3	A:					
15	8	47	0	(1)	(1)	1	2	A:					
16	48	7	0	(1)	(1)	1	2	A:					
17	47	18	0	(1)	(1)	1	7	A:					
18	48	18	0	(1)	(1)	1	7	A:					
19	17	48	0	(1)	(1)	1	7	A:					
20	17	47	0	(1)	(1)	1	7	A:					
21	47	48	0	(1)	(1)	1	7	A:					
22	17	18	0	(1)	(1)	1	7	A:					

Descrizione delle connessioni / rigidezze
(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO TRAVE GRUPPO N.3
tralicci base

asta	ni	nj	nk	connessioni nodo i	connessioni nodo j	mat	sez		cond carico nei casi base (1)	(2)	(3)	(4)	(5)
1	1	9	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
2	2	10	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
3	10	13	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
4	9	14	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
5	14	17	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
6	13	17	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
7	3	12	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
8	4	11	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
9	11	15	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
10	12	16	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
11	16	18	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
12	15	18	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
13	19	24	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
14	20	23	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
15	23	8	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
16	24	5	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
17	22	25	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
18	25	6	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
19	21	26	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
20	26	7	0	(1)	(1)	1	4	A:					
								E:0.09	F:0.09	G:		H:	
21	42	34	0	(1)	(1)	1	5	A:					
								E:0.09	F:0.09	G:		H:	
22	30	43	0	(1)	(1)	1	5	A:					
								E:0.09	F:0.09	G:		H:	
23	45	33	0	(1)	(1)	1	5	A:					
								E:0.09	F:0.09	G:		H:	
24	29	46	0	(1)	(1)	1	5	A:					
								E:0.09	F:0.09	G:		H:	
25	35	32	0	(1)	(1)	1	5	A:					
								E:0.09	F:0.09	G:		H:	

26	28	36	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
27	39	31	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
28	27	40	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
29	29	35	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
30	36	32	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
31	35	37	0	(1)	(1)	1	6	A:				
32	35	2	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
33	36	38	0	(1)	(1)	1	6	A:				
34	36	3	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
35	28	39	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
36	40	31	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
37	38	39	0	(1)	(1)	1	6	A:				
38	39	3	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
39	40	41	0	(1)	(1)	1	6	A:				
40	40	4	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
41	27	42	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
42	43	34	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
43	41	42	0	(1)	(1)	1	6	A:				
44	42	4	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
45	43	44	0	(1)	(1)	1	6	A:				
46	43	1	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
47	30	45	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
48	46	33	0	(1)	(1)	1	5	A:				
								E:0.09	F:0.09	G:		H:
49	44	45	0	(1)	(1)	1	6	A:				
50	45	1	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
51	46	37	0	(1)	(1)	1	6	A:				
52	46	2	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
53	34	19	0	(1)	(1)	1	4	A:				
								E:0.09	F:0.09	G:		H:
54	34	20	0	(1)	(1)	1	4	A:				
								E:0.09	F:0.09	G:		H:
55	32	21	0	(1)	(1)	1	4	A:				
								E:0.09	F:0.09	G:		H:
56	32	22	0	(1)	(1)	1	4	A:				
								E:0.09	F:0.09	G:		H:

Descrizione delle connessioni / rigidezze

(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO TRAVE GRUPPO N.4
pilastrini di fondazione

asta	ni	nj	nk	connessioni		mat	sez	cond carico nei casi base				
				nodo i	nodo j			(1)	(2)	(3)	(4)	(5)
1	273	29	0	Rigida	Rigida	2	23	A:				
2	274	28	0	Rigida	Rigida	2	23	A:				
3	275	30	0	Rigida	Rigida	2	23	A:				
4	276	27	0	Rigida	Rigida	2	23	A:				

ELEMENTO FINITO TRAVE GRUPPO N.5
Tralicci bracci

asta	ni	nj	nk	connessioni		mat	sez	cond carico nei casi base				
				nodo i	nodo j			(1)	(2)	(3)	(4)	(5)
1	153	127	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
2	155	153	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
3	152	129	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
4	154	152	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
5	149	126	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
6	151	149	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:
7	148	128	0	(1)	(1)	1	6	A:				
								E:0.04	F:0.04	G:		H:

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 8   150   148     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
 9   137   139     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
10   136   139     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
11   135   136     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
12   134   137     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
13   108   135     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
14   108   134     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
15   136   137     0     (1)     (1)      1   7  A:
                                                  E:0.06   F:0.06   G:      H:
16   131   132     0     (1)     (1)      1   7  A:
                                                  E:0.06   F:0.06   G:      H:
17   132   138     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
18   131   138     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
19   133   131     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
20   130   132     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
21    99   133     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
22    99   130     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
23   124   125     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
24   125    99     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
25   124    99     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
26   123   124     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
27   122   125     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
28   121   122     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
29   120   123     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
30   119   120     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
31   118   121     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
32   117   119     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
33   117   118     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
34   116   112     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
35   112   108     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
36   116   108     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
37   111   116     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
38   115   112     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
39   110   115     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
40   114   111     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
41   113   110     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
42   109   114     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
43   117   113     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
44   117   109     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
45    49   117     0     (1)     (1)      1   3  A:
46   117    50     0     (1)     (1)      1   3  A:
47   106   108     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
48   107   108     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
49    54   108     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
50   108    53     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
51   105   106     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
52   104   107     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
53   102   104     0     (1)     (1)      1  12  A:
                                                  E:0.065  F:0.065  G:      H:
54   103   105     0     (1)     (1)      1  12  A:
```

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                                                    E:0.065  F:0.065  G:      H:
55   100   103     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
56   101   102     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
57    89   101     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
58    90   100     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
59    97    99     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
60    98    99     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
61    52    99     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
62    99    51     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
63    96    98     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
64    95    97     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
65    93    95     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
66    94    96     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
67    91    94     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
68    92    93     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
69    87    91     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
70    88    92     0     (1)     (1)      1  12  A:
                                                    E:0.065  F:0.065  G:      H:
71    89    18     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
72    90    18     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
73    89    90     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
74    17    87     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
75    17    88     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
76    87    88     0     (1)     (1)      1  11  A:
                                                    E:0.065  F:0.065  G:      H:
77    85    74     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
78    70    85     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
79    81    70     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
80    65    81     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
81    77    65     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
82    57    77     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
83    86    72     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
84    68    86     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
85    82    68     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
86    66    82     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
87    78    66     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
88    58    78     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
89    84    73     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
90    69    84     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
91    80    69     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
92    64    80     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
93    76    64     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
94    56    76     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
95    83    71     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
96    67    83     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
97    79    67     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
98    63    79     0     (1)     (1)      1   6  A:
                                                    E:0.04   F:0.04   G:      H:
99    75    63     0     (1)     (1)      1   9  A:
                                                    E:0.045  F:0.045  G:      H:
```

100	55	75	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
101	55	49	0	(1)	(1)	1	9	A:
102	49	56	0	(1)	(1)	1	9	A:
103	58	50	0	(1)	(1)	1	9	A:
104	50	57	0	(1)	(1)	1	9	A:
105	48	59	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
106	48	60	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
107	59	60	0	(1)	(1)	1	6	A:
108	47	61	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
109	47	62	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
110	61	62	0	(1)	(1)	1	6	A:
111	165	166	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
112	164	166	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
113	162	164	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
114	163	165	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
115	162	163	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
116	99	162	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
117	99	163	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
118	157	158	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
119	156	160	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
120	156	157	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
121	108	157	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
122	108	156	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
123	158	161	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:
124	160	161	0	(1)	(1)	1	9	A:
								E:0.045 F:0.045 G: H:

Descrizione delle connessioni / rigidezze

(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO TRAVE GRUPPO N.6
Tralicci mensole e trave di collegamento

asta	ni	nj	nk	connessioni nodo i	connessioni nodo j	mat	sez	cond carico nei casi base (1) (2) (3) (4) (5)
1	210	211	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
2	211	209	0	(1)	(1)	1	6	A:
								E:0.04 F:0.04 G: H:
3	176	189	0	(1)	(1)	1	17	A:
4	189	175	0	(1)	(1)	1	17	A:
5	141	188	0	(1)	(1)	1	17	A:
6	188	176	0	(1)	(1)	1	17	A:
7	174	184	0	(1)	(1)	1	17	A:
8	184	140	0	(1)	(1)	1	17	A:
9	175	186	0	(1)	(1)	1	17	A:
10	186	174	0	(1)	(1)	1	17	A:
11	169	190	0	(1)	(1)	1	17	A:
12	190	168	0	(1)	(1)	1	17	A:
13	143	187	0	(1)	(1)	1	17	A:
14	187	169	0	(1)	(1)	1	17	A:
15	168	185	0	(1)	(1)	1	17	A:
16	185	167	0	(1)	(1)	1	17	A:
17	167	183	0	(1)	(1)	1	17	A:
18	183	142	0	(1)	(1)	1	17	A:
19	142	161	0	(1)	(1)	1	16	A:
20	161	140	0	(1)	(1)	1	16	A:
21	143	166	0	(1)	(1)	1	16	A:
22	166	141	0	(1)	(1)	1	16	A:
23	161	183	0	(1)	(1)	1	6	A:
24	161	184	0	(1)	(1)	1	6	A:
25	183	186	0	(1)	(1)	1	6	A:
26	184	185	0	(1)	(1)	1	6	A:
27	185	186	0	(1)	(1)	1	6	A:
28	191	175	0	(1)	(1)	1	20	A:
29	168	191	0	(1)	(1)	1	20	A:
30	185	191	0	(1)	(1)	1	6	A:
31	186	191	0	(1)	(1)	1	6	A:
32	166	187	0	(1)	(1)	1	6	A:
33	166	188	0	(1)	(1)	1	6	A:
34	187	189	0	(1)	(1)	1	6	A:

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 35   188   190     0     (1)     (1)      1   6  A:
 36   190   189     0     (1)     (1)      1   6  A:
 37   190   191     0     (1)     (1)      1   6  A:
 38   189   191     0     (1)     (1)      1   6  A:
 39   142   147     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
 40   199   181     0     (1)     (1)      1   6  A:
 41   198   182     0     (1)     (1)      1   6  A:
 42   197   198     0     (1)     (1)      1   6  A:
 43   196   199     0     (1)     (1)      1   6  A:
 44   196   197     0     (1)     (1)      1   6  A:
 45   201   197     0     (1)     (1)      1   6  A:
 46   196   201     0     (1)     (1)      1   6  A:
 47   195   181     0     (1)     (1)      1   6  A:
 48   193   182     0     (1)     (1)      1   6  A:
 49   194   193     0     (1)     (1)      1   6  A:
 50   192   195     0     (1)     (1)      1   6  A:
 51   192   194     0     (1)     (1)      1   6  A:
 52   200   194     0     (1)     (1)      1   6  A:
 53   200   192     0     (1)     (1)      1   6  A:
 54   145   201     0     (1)     (1)      1   7  A:
 55   201   144     0     (1)     (1)      1   7  A:
 56   147   200     0     (1)     (1)      1   7  A:
 57   200   146     0     (1)     (1)      1   7  A:
 58   181   182     0     (1)     (1)      1  16  A:
 59   192   147     0     (1)     (1)      1  17  A:
 60   181   171     0     (1)     (1)      1  17  A:
 61   172   181     0     (1)     (1)      1  17  A:
 62   170   192     0     (1)     (1)      1  17  A:
 63   193   170     0     (1)     (1)      1  17  A:
 64   171   193     0     (1)     (1)      1  17  A:
 65   196   173     0     (1)     (1)      1  17  A:
 66   145   196     0     (1)     (1)      1  17  A:
 67   198   172     0     (1)     (1)      1  17  A:
 68   173   198     0     (1)     (1)      1  17  A:
 69   143   145     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
 70   168   181     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
 71   170   142     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 72   167   170     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 73   171   167     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 74   168   171     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 75   172   168     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 76   169   172     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 77   173   169     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 78   143   173     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 79   182   178     0     (1)     (1)      1  17  A:
 80   179   182     0     (1)     (1)      1  17  A:
 81   194   146     0     (1)     (1)      1  17  A:
 82   177   194     0     (1)     (1)      1  17  A:
 83   195   177     0     (1)     (1)      1  17  A:
 84   178   195     0     (1)     (1)      1  17  A:
 85   197   180     0     (1)     (1)      1  17  A:
 86   144   197     0     (1)     (1)      1  17  A:
 87   199   179     0     (1)     (1)      1  17  A:
 88   180   199     0     (1)     (1)      1  17  A:
 89   141   144     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
 90   140   146     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
 91   175   182     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
 92   177   140     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 93   174   177     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 94   178   174     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 95   175   178     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 96   179   175     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 97   176   179     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 98   180   176     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
 99   141   180     0     (1)     (1)      1  18  A:
                                                 E:0.07   F:0.07   G:      H:
100   209   146     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
101   210   147     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
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102   211   146     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
103   211   147     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
104   166   145     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
105   166   144     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
106   161   146     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
107   161   147     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
108   230   147     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
109   234   146     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
110   230   146     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
111   234   147     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
112   234   249     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
113   249   230     0     (1)     (1)      1   9  A:
                                                  E:0.045  F:0.045  G:      H:
114   240   232     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
115   241   237     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
116   241   240     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
117   218   241     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
118   241   232     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
119   219   240     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
120   240   237     0     (1)     (1)      1  19  A:
                                                  E:0.055  F:0.055  G:      H:
121   217   237     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
122   127   237     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
123   216   232     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
124   129   232     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
125   226   220     0     (1)     (1)      1   9  A:
126   227   220     0     (1)     (1)      1   9  A:
127   222   227     0     (1)     (1)      1   9  A:
128   223   226     0     (1)     (1)      1   9  A:
129   222   223     0     (1)     (1)      1   9  A:
130   139   222     0     (1)     (1)      1   9  A:
131   139   223     0     (1)     (1)      1   9  A:
132   217   227     0     (1)     (1)      1  21  A:
133   227   219     0     (1)     (1)      1  21  A:
134   127   223     0     (1)     (1)      1  21  A:
135   223   217     0     (1)     (1)      1  21  A:
136   216   226     0     (1)     (1)      1  21  A:
137   226   218     0     (1)     (1)      1  21  A:
138   129   222     0     (1)     (1)      1  21  A:
139   222   216     0     (1)     (1)      1  21  A:
140   218   220     0     (1)     (1)      1  20  A:
141   220   219     0     (1)     (1)      1  20  A:
142   127   211     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
143   129   211     0     (1)     (1)      1  11  A:
                                                  E:0.065  F:0.065  G:      H:
144   129   210     0     (1)     (1)      1  15  A:
                                                  E:0.1    F:0.1    G:      H:
145   127   209     0     (1)     (1)      1  15  A:
                                                  E:0.1    F:0.1    G:      H:
146   208   207     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
147   207   161     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
148   139   207     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
149   208   161     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
150   139   208     0     (1)     (1)      1   6  A:
                                                  E:0.04   F:0.04   G:      H:
151   129   208     0     (1)     (1)      1  14  A:
                                                  E:0.09   F:0.09   G:      H:
152   208   142     0     (1)     (1)      1  14  A:
                                                  E:0.09   F:0.09   G:      H:
153   127   207     0     (1)     (1)      1  14  A:
                                                  E:0.09   F:0.09   G:      H:
154   207   140     0     (1)     (1)      1  14  A:
                                                  E:0.09   F:0.09   G:      H:
155   129   139     0     (1)     (1)      1  13  A:
156   139   127     0     (1)     (1)      1  13  A:
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157   129   230     0     (1)     (1)      1  21  A:
                                                 E:0.075  F:0.075  G:      H:
158   232   230     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
159   127   234     0     (1)     (1)      1  21  A:
                                                 E:0.075  F:0.075  G:      H:
160   237   234     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
161   232   234     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
162   237   230     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
163   139   230     0     (1)     (1)      1   7  A:
                                                 E:0.06   F:0.06   G:      H:
164   139   234     0     (1)     (1)      1   7  A:
                                                 E:0.06   F:0.06   G:      H:
165   239   233     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
166   238   236     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
167   238   239     0     (1)     (1)      1  16  A:
                                                 E:0.05   F:0.05   G:      H:
168   213   239     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
169   239   236     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
170   212   238     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
171   238   233     0     (1)     (1)      1  19  A:
                                                 E:0.055  F:0.055  G:      H:
172   215   236     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
173   126   236     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
174   214   233     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
175   128   233     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
176   229   221     0     (1)     (1)      1   9  A:
177   228   221     0     (1)     (1)      1   9  A:
178   224   229     0     (1)     (1)      1   9  A:
179   225   228     0     (1)     (1)      1   9  A:
180   224   225     0     (1)     (1)      1   9  A:
181   138   225     0     (1)     (1)      1   9  A:
182   138   224     0     (1)     (1)      1   9  A:
183   229   213     0     (1)     (1)      1  21  A:
184   215   229     0     (1)     (1)      1  21  A:
185   225   215     0     (1)     (1)      1  21  A:
186   126   225     0     (1)     (1)      1  21  A:
187   228   212     0     (1)     (1)      1  21  A:
188   214   228     0     (1)     (1)      1  21  A:
189   224   214     0     (1)     (1)      1  21  A:
190   128   224     0     (1)     (1)      1  21  A:
191   212   221     0     (1)     (1)      1  20  A:
192   221   213     0     (1)     (1)      1  20  A:
193   204   206     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
194   206   205     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
195   128   206     0     (1)     (1)      1  11  A:
                                                 E:0.065  F:0.065  G:      H:
196   126   206     0     (1)     (1)      1  11  A:
                                                 E:0.065  F:0.065  G:      H:
197   126   205     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
198   128   204     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
199   202   203     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
200   166   203     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
201   202   166     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
202   138   202     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
203   138   203     0     (1)     (1)      1   6  A:
                                                 E:0.04   F:0.04   G:      H:
204   126   203     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
205   203   141     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
206   128   202     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
207   202   143     0     (1)     (1)      1  14  A:
                                                 E:0.09   F:0.09   G:      H:
208   128   138     0     (1)     (1)      1  13  A:
209   138   126     0     (1)     (1)      1  13  A:
210   204   145     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
211   205   144     0     (1)     (1)      1  15  A:
                                                 E:0.1    F:0.1    G:      H:
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212	206	145	0	(1)	(1)	1	11	A: E:0.065 F:0.065 G: H:
213	206	144	0	(1)	(1)	1	11	A: E:0.065 F:0.065 G: H:
214	128	231	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
215	231	145	0	(1)	(1)	1	19	A: E:0.055 F:0.055 G: H:
216	233	231	0	(1)	(1)	1	19	A: E:0.055 F:0.055 G: H:
217	126	235	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
218	235	144	0	(1)	(1)	1	19	A: E:0.055 F:0.055 G: H:
219	236	235	0	(1)	(1)	1	19	A: E:0.055 F:0.055 G: H:
220	233	235	0	(1)	(1)	1	6	A: E:0.04 F:0.04 G: H:
221	236	231	0	(1)	(1)	1	6	A: E:0.04 F:0.04 G: H:
222	231	144	0	(1)	(1)	1	6	A: E:0.04 F:0.04 G: H:
223	235	145	0	(1)	(1)	1	6	A: E:0.04 F:0.04 G: H:
224	138	231	0	(1)	(1)	1	7	A: E:0.06 F:0.06 G: H:
225	138	235	0	(1)	(1)	1	7	A: E:0.06 F:0.06 G: H:
226	248	235	0	(1)	(1)	1	9	A: E:0.045 F:0.045 G: H:
227	231	248	0	(1)	(1)	1	9	A: E:0.045 F:0.045 G: H:

Descrizione delle connessioni / rigidezze

(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO TRAVE GRUPPO N.7
Tralicci cimini

asta	ni	nj	nk	connessioni nodo i	connessioni nodo j	mat	sez	cond carico nei casi base (1) (2) (3) (4) (5)
1	231	245	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
2	244	247	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
3	235	243	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
4	242	247	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
5	248	243	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
6	248	245	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
7	245	243	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
8	245	242	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
9	244	242	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
10	234	250	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
11	251	246	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
12	230	252	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
13	253	246	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
14	249	250	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
15	249	252	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
16	250	252	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
17	250	253	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
18	253	251	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
19	254	253	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
20	252	254	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
21	147	254	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
22	254	255	0	(1)	(1)	1	22	A: E:0.035 F:0.035 G: H:
23	256	251	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:
24	250	256	0	(1)	(1)	1	21	A: E:0.075 F:0.075 G: H:

25	146	256	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
26	257	256	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
27	258	244	0	(1)	(1)	1	21	A:	
								E:0.075	F:0.075 G: H:
28	245	258	0	(1)	(1)	1	21	A:	
								E:0.075	F:0.075 G: H:
29	145	258	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
30	258	259	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
31	260	242	0	(1)	(1)	1	21	A:	
								E:0.075	F:0.075 G: H:
32	243	260	0	(1)	(1)	1	21	A:	
								E:0.075	F:0.075 G: H:
33	144	260	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
34	260	261	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
35	262	255	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
36	147	262	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
37	263	257	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
38	146	263	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
39	265	246	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
40	257	265	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
41	264	246	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
42	255	264	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
43	200	262	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
44	200	263	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
45	262	263	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
46	262	265	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
47	264	265	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
48	144	266	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
49	266	261	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
50	268	247	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
51	261	268	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
52	269	247	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
53	259	269	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
54	145	267	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
55	267	259	0	(1)	(1)	1	7	A:	
								E:0.06	F:0.06 G: H:
56	201	267	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
57	201	266	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
58	266	267	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
59	266	269	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:
60	269	268	0	(1)	(1)	1	22	A:	
								E:0.035	F:0.035 G: H:

Descrizione delle connessioni / rigidezze

(1) Fx=Rigida Fy=Rigida Fz=Rigida Mx=1% My=1% Mz=1%

ELEMENTO FINITO VINCOLO GRUPPO N.1
incastri

nodo	tr/rot X	rigid	tr/rot Y	rigid	tr/rot Z	rigid
159	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
270	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
272	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
277	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
278	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009
	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009	+0.00e+000	+1.00e+009

294	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
295	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
296	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
297	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
298	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
307	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
308	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
309	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
310	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
311	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
320	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
321	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
322	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
323	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
324	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009
	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009	+0.00e+000 +1.00e+009

ELEMENTO FINITO GUSCIO GRUPPO N.1
Plinti su pali

Elem.	ni	nj	nk	nl	vinc.	press1	al.din.	press2	al.din.	press3	al.din.	press4	al.din.	spess.	mat.	T	gr.term
						fX	al.din	fY	al.din	fZ	al.din						
1	282	159	279	279	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
2	282	284	277	159	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
3	284	283	277	277	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
4	283	271	278	278	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
5	277	283	278	278	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
6	271	281	272	278	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
7	272	281	285	285	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
8	270	272	285	280	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
9	279	270	280	280	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
10	159	276	279	279	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
11	279	276	270	270	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
12	270	276	272	272	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
13	276	278	272	272	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
14	276	277	278	278	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
15	276	159	277	277	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
16	274	296	295	295	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
17	274	295	294	294	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
18	274	294	298	298	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
19	297	274	298	298	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
20	292	274	297	297	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
21	296	274	292	292	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
22	292	297	291	291	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
23	297	298	286	291	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
24	298	290	286	286	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
25	293	290	298	294	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
26	295	288	294	294	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						

27	288	293	294	294	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
28	287	288	295	295	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
29	289	287	295	296	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
30	289	296	292	292	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
31	275	309	308	308	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
32	275	308	307	307	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
33	275	307	311	311	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
34	310	275	311	311	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
35	305	275	310	310	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
36	309	275	305	305	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
37	305	310	304	304	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
38	310	311	299	304	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
39	311	303	299	299	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
40	306	303	311	307	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
41	308	301	307	307	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
42	301	306	307	307	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
43	300	301	308	308	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
44	302	300	308	309	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
45	302	309	305	305	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
46	273	322	321	321	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
47	273	321	320	320	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
48	273	320	324	324	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
49	323	273	324	324	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
50	318	273	323	323	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
51	322	273	318	318	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
52	318	323	317	317	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
53	323	324	312	317	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
54	324	316	312	312	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
55	319	316	324	320	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
56	321	314	320	320	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
57	314	319	320	320	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
58	313	314	321	321	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
59	315	313	321	322	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						
60	315	322	318	318	0000	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.0000	0.00	0.80	2	0.0	0.0
						0.00	0.00	0.00	0.00	0.00	0.00						

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO TRAVE

ng descrizione gruppo

1 Montanti

Aliq. inerz. direz. X, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

Aliq. inerz. direz. Y, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

2 Riquadri

Aliq. inerz. direz. X, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

Aliq. inerz. direz. Y, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

3 tralicci base

Aliq. inerz. direz. X, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

Aliq. inerz. direz. Y, caso base A: 0.000 B: 0.000 C: 0.000 D: 0.000
E: 0.000 F: 0.000 G: 0.000 H: 0.000

4 pilastrini di fondazione

```
Aliq. inerz. direz. X, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Y, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000

  5   Tralicci bracci
Aliq. inerz. direz. X, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Y, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000

  6   Tralicci mensole e trave di collegamento
Aliq. inerz. direz. X, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Y, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000

  7   Tralicci cimini
Aliq. inerz. direz. X, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Y, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
```

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO VINCOLO

ng   descrizione gruppo

```
  1   incastri
Moltipl. delle deform. caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
```

ALIQUOTE DI GRUPPO PER ELEMENTO FINITO GUSCIO

ng   descrizione gruppo

```
  1   Plinti su pali
Aliq. inerz. direz. X, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Y, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. inerz. direz. Z, caso base A:  -1.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliq. carico  termico, caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  pressione,   caso base A:   1.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  pressione,   caso base A:   1.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  pressione,   caso base A:   1.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  pressione,   caso base A:   1.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  carico fX,   caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  carico fY,   caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
Aliquota  carico fZ,   caso base A:   0.000  B:   0.000  C:   0.000  D:   0.000
                                 E:   0.000  F:   0.000  G:   0.000  H:   0.000
```

ALIQUOTE COMBINAZIONI DI CARICO

C.C. descrizione

```
 1  perm.+acc. (e dinamici) s.l.u.         A:   1.00  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   0.00  G:   0.00  H:   0.00
 2  perm.+acc. s.l.u. MSA1                 A:   1.40  B:   0.00  C:   0.00  D:   0.00
                                           E:   1.50  F:   0.00  G:   0.00  H:   0.00
 3  perm.+acc. s.l.u. MSA2                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
 4  perm.+acc. s.l.u. MSA3                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
 5  perm.+acc. s.l.u. MSA4                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
 6  perm.+acc. s.l.u. MSB1                 A:   1.40  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   1.50  G:   0.00  H:   0.00
 7  perm.+acc. s.l.u. MSB2                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   0.94  G:   0.00  H:   0.00
 8  perm.+acc. s.l.u. MSB3                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   0.94  G:   0.00  H:   0.00
 9  perm.+acc. s.l.u. MSB4                 A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   0.94  G:   0.00  H:   0.00
10  perm.+acc. s.l.u. MSA1/0               A:   1.40  B:   0.00  C:   0.00  D:   0.00
                                           E:   1.50  F:   0.00  G:   0.00  H:   0.00
11  perm.+acc. s.l.u. MSA2/0               A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
12  perm.+acc. s.l.u. MSA3/0               A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
13  perm.+acc. s.l.u. MSA4/0               A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.94  F:   0.00  G:   0.00  H:   0.00
14  perm.+acc. s.l.u. MSB1/0               A:   1.50  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   1.50  G:   0.00  H:   0.00
15  perm.+acc. s.l.u. MSB2/0               A:   0.88  B:   0.00  C:   0.00  D:   0.00
                                           E:   0.00  F:   0.94  G:   0.00  H:   0.00
```

16 perm.+acc. s.l.u. MSB3/0	A:	0.88	B:	0.00	C:	0.00	D:	0.00
	E:	0.00	F:	0.94	G:	0.00	H:	0.00
17 perm.+acc. s.l.u. MSB4/0	A:	0.88	B:	0.00	C:	0.00	D:	0.00
	E:	0.00	F:	0.94	G:	0.00	H:	0.00

CARICHI AI NODI
C.C. 1 perm.+acc. (e dinamici) s.l.u.

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.89e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	-3.51e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.89e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	-3.51e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.89e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.51e+003	+2.89e+003	-1.48e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.70e+002	+3.67e+003	-1.33e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.70e+002	+3.67e+003	-1.33e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 2 perm.+acc. s.l.u. MSA1

nodo	FX	FY	FZ	MX	MY	MZ
168	+4.80e+003	+4.50e+003	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	-4.29e+003	+4.50e+003	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
212	+4.80e+003	+4.50e+003	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	-4.29e+003	+4.50e+003	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
218	+4.80e+003	+4.55e+002	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-4.29e+003	+4.50e+003	-1.41e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+3.60e+002	+4.56e+003	-1.95e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+3.60e+002	+4.56e+003	-1.95e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 3 perm.+acc. s.l.u. MSA2

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
175	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
213	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.84e+002	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	-1.22e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+1.74e+003	+1.43e+003	-4.71e+002	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 4 perm.+acc. s.l.u. MSA3

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.88e+003	-9.59e+002	+0.00e+000	+0.00e+000	+0.00e+000
175	+1.31e+002	+1.31e+002	-1.50e+002	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
213	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.84e+002	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	-1.22e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.25e+002	+2.85e+003	-1.22e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 5 perm.+acc. s.l.u. MSA4

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
175	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.88e+003	-9.59e+002	+0.00e+000	+0.00e+000	+0.00e+000
213	+1.31e+002	+1.31e+002	-1.50e+002	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.84e+002	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	-8.84e+002	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	-1.22e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.25e+002	+2.85e+003	-1.22e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 6 perm.+acc. s.l.u. MSB1

nodo	FX	FY	FZ	MX	MY	MZ
168	+6.00e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	-5.55e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
212	+6.00e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	-5.55e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
218	+6.00e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-5.55e+003	+4.49e+003	-2.21e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+4.50e+002	+6.29e+003	-2.28e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+4.50e+002	+6.29e+003	-2.28e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 7 perm.+acc. s.l.u. MSB2

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000

218	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	-1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.64e+003	+1.97e+003	-7.13e+002	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 8 perm.+acc. s.l.u. MSB3

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.82e+003	-1.46e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	+3.28e+001	+3.28e+001	-1.50e+002	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	-1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.81e+002	+3.93e+003	-1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 9 perm.+acc. s.l.u. MSB4

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
175	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.82e+003	-1.46e+003	+0.00e+000	+0.00e+000	+0.00e+000
213	+3.28e+001	+3.28e+001	-1.50e+002	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.75e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	-1.38e+003	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	-1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.81e+002	+3.93e+003	-1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 10 perm.+acc. s.l.u. MSA1/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+4.80e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-4.29e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+4.80e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-4.29e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+4.80e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-4.29e+003	+4.50e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+3.60e+002	+4.56e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+3.60e+002	+4.56e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 11 perm.+acc. s.l.u. MSA2/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+1.74e+003	+1.43e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 12 perm.+acc. s.l.u. MSA3/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.88e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	+1.31e+002	+1.31e+002	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.25e+002	+2.85e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 13 perm.+acc. s.l.u. MSA4/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.00e+003	+2.88e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	+1.31e+002	+1.31e+002	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.00e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-2.68e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.25e+002	+2.85e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.25e+002	+2.85e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 14 perm.+acc. s.l.u. MSB1/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+6.00e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-5.55e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+6.00e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-5.55e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

218	+6.00e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-5.55e+003	+4.49e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+4.50e+002	+6.29e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+4.50e+002	+6.29e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 15 perm.+acc. s.l.u. MSB2/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.64e+003	+1.97e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 16 perm.+acc. s.l.u. MSB3/0

nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	+3.28e+001	+3.28e+001	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.81e+002	+3.93e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

CARICHI AI NODI
C.C. 17 perm.+acc. s.l.u. MSB4/0

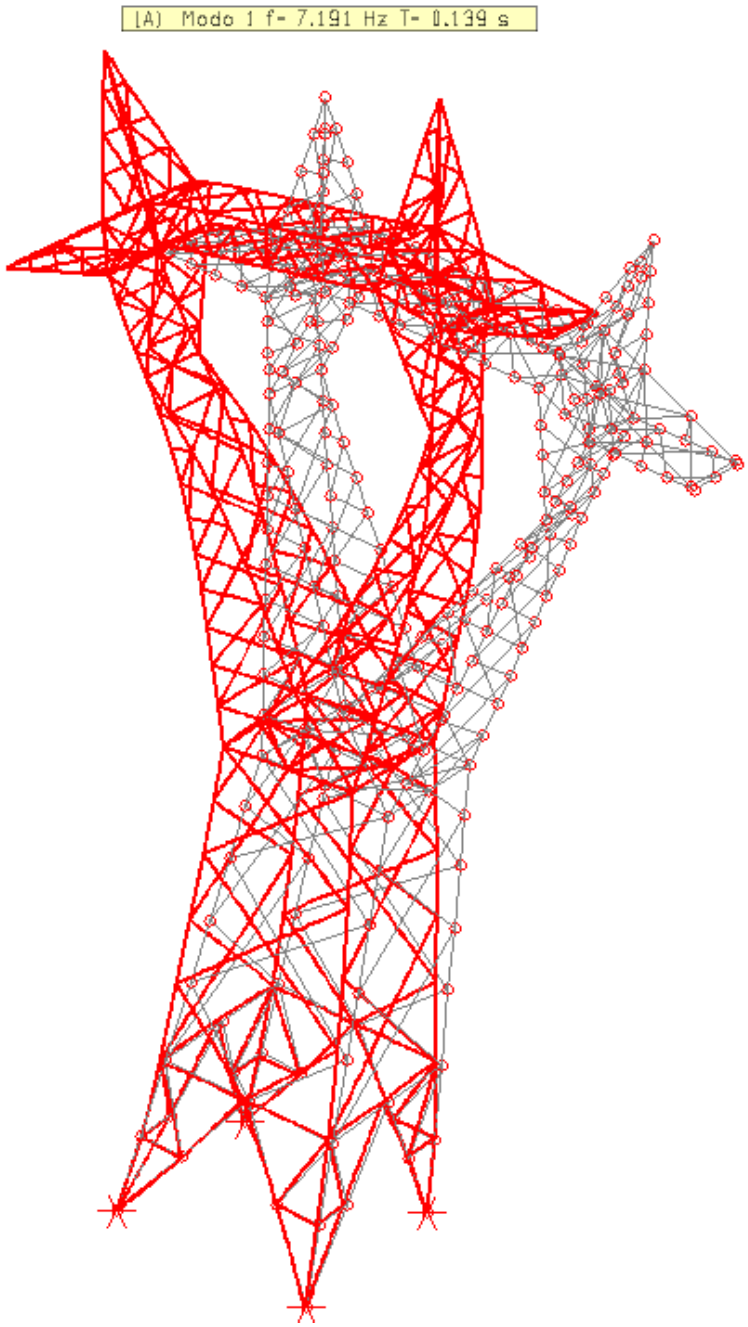
nodo	FX	FY	FZ	MX	MY	MZ
168	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+3.75e+003	+2.82e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	+3.28e+001	+3.28e+001	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+3.75e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	-3.47e+003	+2.81e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+2.81e+002	+3.93e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+2.81e+002	+3.93e+003	+0.00e+000	+0.00e+000	+0.00e+000	+0.00e+000

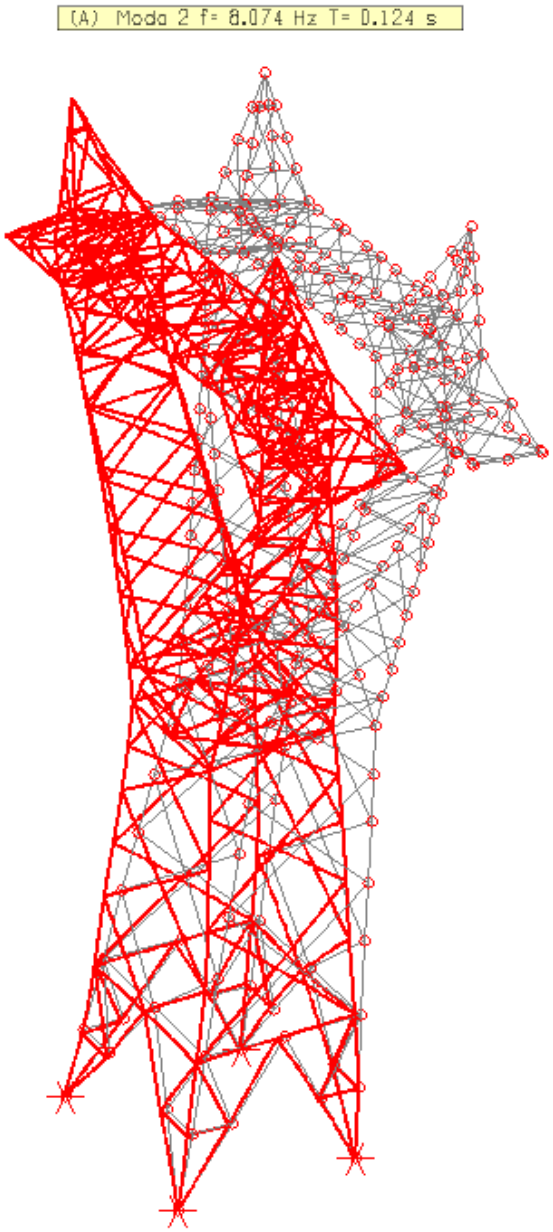
MASSE DINAMICHE AI NODI

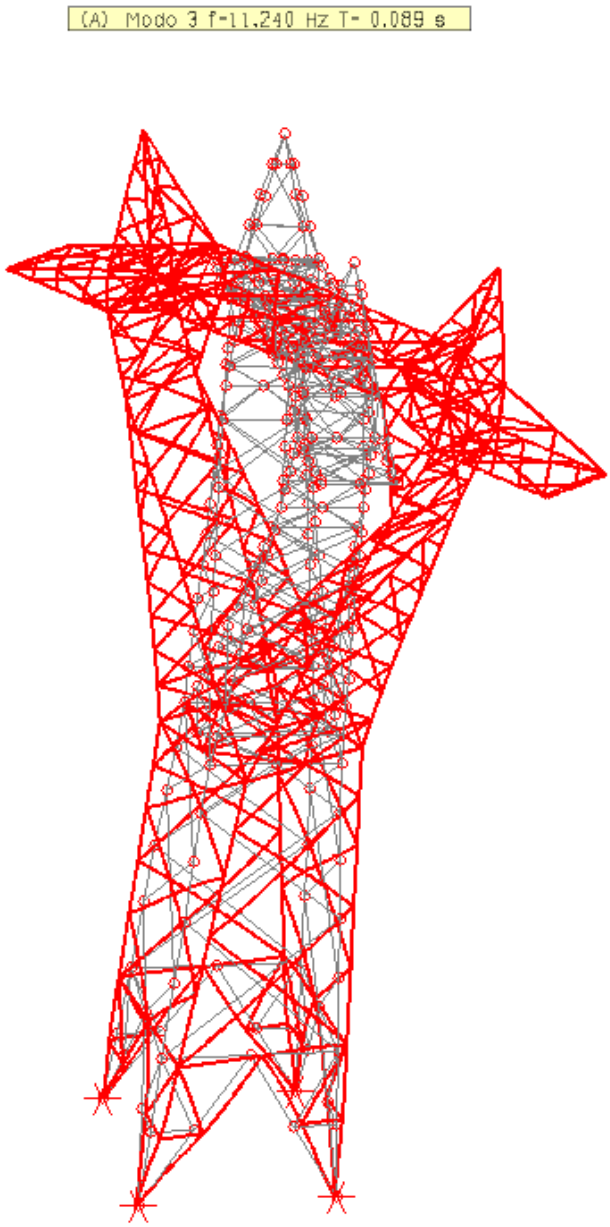
nodo	MaX	MaY	MaZ	MiX	MiY	MiZ
168	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
175	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
212	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
213	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
218	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
219	+0.00e+000	+0.00e+000	+6.10e+000	+0.00e+000	+0.00e+000	+0.00e+000
246	+0.00e+000	+0.00e+000	+2.30e+000	+0.00e+000	+0.00e+000	+0.00e+000
247	+0.00e+000	+0.00e+000	+2.30e+000	+0.00e+000	+0.00e+000	+0.00e+000

9 Analisi frequenziale

Di seguito si riportano i principali modi di vibrare nella struttura. In particolare si evidenzia che i primi modi a comparire sono quelli flessionali globali nelle due direzioni principali (I e II modo). La principale torsionale compare al III modo.

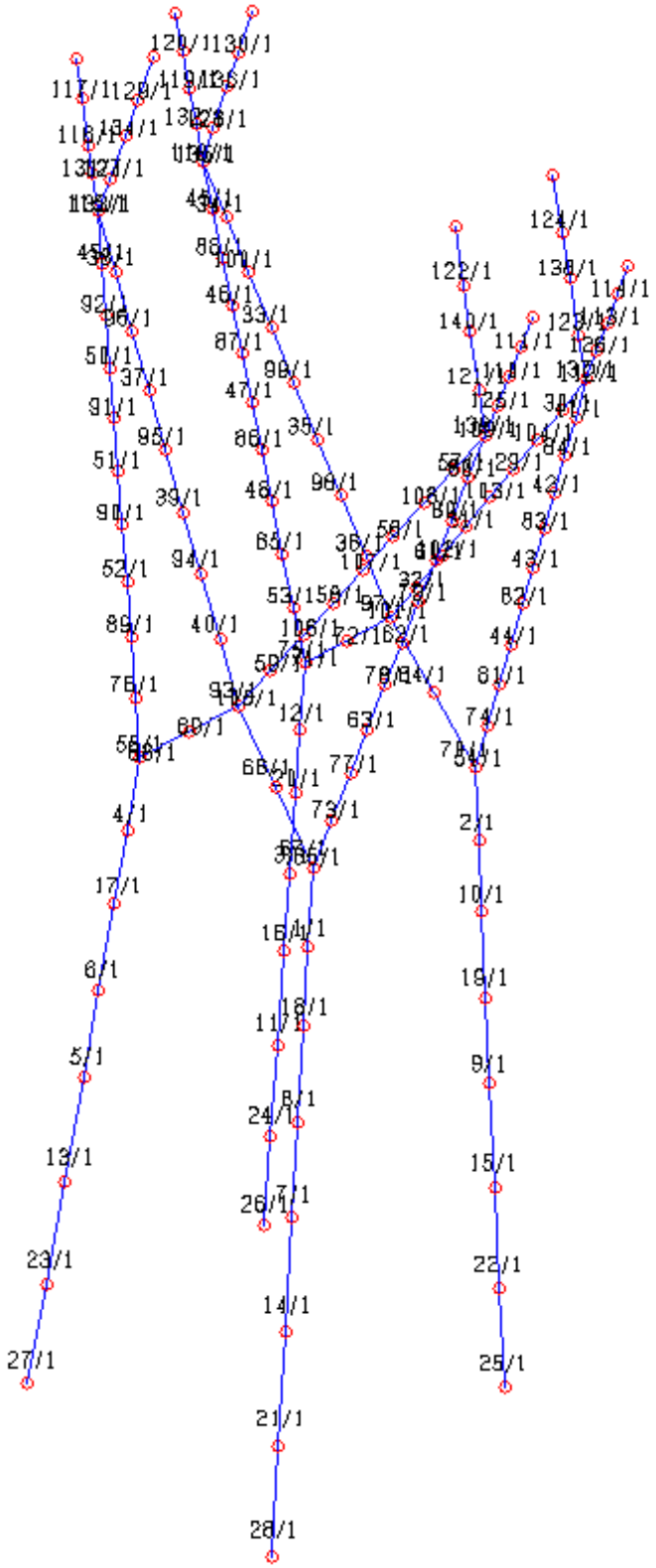



(A) Modo 2 f= 8.074 Hz T= 0.124 s


(A) Modo 3 f=11,240 Hz T= 0,089 s

10 VERIFICHE SLU (STATO LIMITE ULTIMO) DELLE ASTE

10.1 VERIFICHE MONTANTI



Numero aste

Lavoro: **verifica traliccio fondazioni v1** Intestazione lavoro: **verifica traliccio EY 16**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **1** Descrizione: **Montanti**
Tabella: **Montanti 510**
Tipo acciaio: **S 355 (Fe 510)** Beta piano 'yx': **1.000** Beta piano 'zx': **1.000**

ASTA NUM. 1 NI 14 NF 8 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	2.9439	2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	42685	-2	6	0	3	2	837.0	3.8	0.3	0.0	840.8	1	
1E	0	44635	-2	6	0	3	2	875.2	3.8	0.3	0.0	879.0	1	
1I	0	42930	-2	6	0	3	2	841.8	4.4	0.3	0.0	846.2	1	
1M	0	44390	-2	6	0	3	2	870.4	4.4	0.3	0.0	874.8	1	
2	0	61920	-1	11	0	13	1	1214.1	13.3	0.6	0.0	1227.4	1	
3	0	39710	-1	7	0	8	1	778.6	8.2	0.4	0.0	786.8	1	
4	0	38370	-1	7	0	8	1	752.4	8.1	0.4	0.0	760.5	1	
5	0	39720	-1	7	0	7	1	778.8	7.8	0.4	0.0	786.6	1	
6	0	71170	-1	2	0	2	1	1395.5	2.8	0.1	0.0	1398.3	1	
7	0	46230	-1	1	0	1	1	906.5	1.5	0.1	0.0	908.0	1	
8	0	44990	-1	1	0	1	0	882.2	1.5	0.1	0.0	883.6	1	
9	0	46930	-1	1	0	1	0	920.2	1.0	0.0	0.0	921.2	1	
10	0	71310	-2	11	0	12	2	1398.2	13.3	0.6	0.0	1411.5	1	
11	0	44960	-1	7	0	8	1	881.6	8.2	0.4	0.0	889.7	1	
12	0	44200	-2	6	0	8	1	866.7	8.1	0.3	0.0	874.8	1	
13	0	44930	-1	7	0	7	1	881.0	7.8	0.4	0.0	888.8	1	
14	0	75510	-1	2	0	2	1	1480.6	2.9	0.1	0.0	1483.5	1	
15	0	48410	-1	2	0	1	1	949.2	1.6	0.1	0.0	950.8	1	
16	0	47660	-2	1	0	1	0	934.5	1.5	0.1	0.0	936.0	1	
17	0	48510	-1	1	0	1	0	951.2	1.1	0.0	0.0	952.3	1	
1A	48	42700	-3	7	0	-0	1	837.3	1.2	0.4	0.0	838.5	6	
1E	48	44650	-3	7	0	-0	1	875.5	1.2	0.4	0.0	876.7	6	
1I	48	42945	-3	8	0	0	1	842.1	1.0	0.4	0.0	843.1	6	
1M	48	44405	-3	8	0	0	1	870.7	1.0	0.4	0.0	871.7	6	
2	48	61950	-3	26	0	4	0	1214.7	3.8	1.4	0.0	1218.5	1	
3	48	39725	-2	17	0	2	-0	778.9	2.1	0.9	0.0	781.0	1	
4	48	38390	-3	16	0	2	-0	752.7	2.5	0.9	0.0	755.3	1	
5	48	39735	-2	16	0	2	-0	779.1	2.1	0.9	0.0	781.3	1	
6	48	71195	-3	7	0	0	0	1396.0	0.2	0.4	0.0	1396.2	1	
7	48	46245	-2	5	0	-0	-0	906.8	0.4	0.3	0.0	907.2	6	
8	48	45005	-3	4	0	0	-1	882.5	0.6	0.2	0.0	883.1	6	
9	48	46945	-2	4	0	-0	-0	920.5	0.5	0.2	0.0	920.9	6	
10	48	71335	-4	26	0	4	0	1398.7	3.8	1.4	0.0	1402.5	1	
11	48	44975	-3	16	0	2	0	881.9	2.1	0.9	0.0	884.0	1	
12	48	44215	-3	16	0	2	-0	867.0	2.5	0.8	0.0	869.5	1	
13	48	44945	-2	16	0	2	-0	881.3	2.1	0.8	0.0	883.4	1	
14	48	75540	-3	7	0	0	0	1481.2	0.2	0.4	0.0	1481.4	1	
15	48	48425	-2	5	0	-0	-0	949.5	0.4	0.3	0.0	949.9	6	
16	48	47680	-3	4	0	0	-1	934.9	0.7	0.2	0.0	935.6	6	
17	48	48530	-2	4	0	-0	-0	951.6	0.4	0.2	0.0	952.0	6	
1A	96	42715	-4	9	0	-4	-1	837.5	4.5	0.5	0.0	842.0	1	
1E	96	44665	-4	9	0	-4	-1	875.8	4.5	0.5	0.0	880.3	1	
1I	96	42960	-5	9	0	-4	-1	842.3	4.4	0.5	0.0	846.7	1	
1M	96	44420	-5	9	0	-4	-1	871.0	4.4	0.5	0.0	875.4	1	
2	96	61980	-5	41	0	-12	-2	1215.3	13.2	2.2	0.0	1228.5	1	
3	96	39740	-3	26	0	-8	-1	779.2	8.7	1.4	0.0	787.9	1	
4	96	38410	-4	25	0	-7	-2	753.1	8.2	1.3	0.0	761.4	1	
5	96	39750	-3	25	0	-8	-1	779.4	8.4	1.4	0.0	787.8	1	
6	96	71220	-5	12	0	-4	-2	1396.5	5.3	0.7	0.0	1401.8	1	
7	96	46260	-4	8	0	-3	-2	907.1	4.0	0.4	0.0	911.0	1	
8	96	45020	-4	7	0	-2	-2	882.7	3.3	0.4	0.0	886.1	1	
9	96	46960	-3	7	0	-3	-2	920.8	3.5	0.4	0.0	924.3	1	
10	96	71360	-5	41	0	-12	-2	1399.2	13.2	2.2	0.0	1412.4	1	
11	96	44990	-4	26	0	-8	-1	882.2	8.6	1.4	0.0	890.8	1	
12	96	44230	-4	25	0	-7	-2	867.3	8.2	1.3	0.0	875.4	1	
13	96	44960	-3	25	0	-8	-1	881.6	8.4	1.3	0.0	889.9	1	
14	96	75570	-5	13	0	-5	-2	1481.8	5.5	0.7	0.0	1487.2	1	
15	96	48440	-4	8	0	-3	-2	949.8	4.0	0.4	0.0	953.8	1	
16	96	47700	-4	7	0	-2	-2	935.3	3.4	0.4	0.0	938.7	1	
17	96	48550	-3	7	0	-3	-2	952.0	3.6	0.4	0.0	955.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	42715	2	1	33	22	22	1.00	1.00	840.3	
1E	44665	2	1	33	22	22	1.00	1.00	878.5	
1I	42960	2	1	33	22	22	1.00	1.00	844.9	
1M	44420	2	1	33	22	22	1.00	1.00	873.6	
2	61980	5	1	33	22	22	1.00	1.00	1221.0	
3	39740	3	1	33	22	22	1.00	1.00	783.0	
4	38410	3	1	33	22	22	1.00	1.00	757.1	
5	39750	3	1	33	22	22	1.00	1.00	783.1	
6	71220	2	1	33	22	22	1.00	1.00	1399.0	
7	46260	1	1	33	22	22	1.00	1.00	909.3	
8	45020	1	1	33	22	22	1.00	1.00	884.8	
9	46960	1	1	33	22	22	1.00	1.00	923.0	
10	71360	5	1	33	22	22	1.00	1.00	1404.9	
11	44990	3	1	33	22	22	1.00	1.00	886.0	
12	44230	3	1	33	22	22	1.00	1.00	871.2	
13	44960	3	1	33	22	22	1.00	1.00	885.2	
14	75570	2	1	33	22	22	1.00	1.00	1484.4	
15	48440	1	1	33	22	22	1.00	1.00	952.1	
16	47700	1	1	33	22	22	1.00	1.00	937.5	
17	48550	1	1	33	22	22	1.00	1.00	954.2	

ASTA NUM. 2 NI 13 NF 7 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	-2.9439	-2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	37195	-2	6	0	3	1	729.3	3.6	0.3	0.0	733.0	1	
1E	0	39145	-2	6	0	3	1	767.5	3.6	0.3	0.0	771.2	1	
1I	0	37439	-2	7	0	4	1	734.1	4.2	0.4	0.0	738.3	1	
1M	0	38901	-2	7	0	4	1	762.8	4.2	0.4	0.0	767.0	1	
2	0	54310	0	12	0	13	-2	1064.9	13.9	0.6	0.0	1078.8	1	
3	0	27820	-0	8	0	8	-1	545.5	9.0	0.4	0.0	554.4	1	
4	0	25740	-1	8	0	9	-1	504.7	9.0	0.4	0.0	513.8	1	
5	0	26160	-0	8	0	9	-1	512.9	9.2	0.4	0.0	522.2	1	
6	0	63580	0	3	0	3	-1	1246.7	3.3	0.1	0.0	1249.9	1	
7	0	30400	-1	2	0	2	-1	596.1	2.5	0.1	0.0	598.6	1	
8	0	30470	-1	2	0	2	-1	597.5	2.5	0.1	0.0	599.9	1	
9	0	31280	-1	2	0	2	-1	613.3	2.7	0.1	0.0	616.1	1	
10	0	63970	1	12	0	13	-2	1254.3	13.8	0.6	0.0	1268.1	1	
11	0	33240	0	7	0	8	-1	651.8	8.9	0.4	0.0	660.7	1	
12	0	31490	-1	8	0	8	-1	617.5	8.9	0.4	0.0	626.4	1	
13	0	31290	-0	8	0	9	-1	613.5	9.2	0.4	0.0	622.7	1	
14	0	67920	0	3	0	3	-1	1331.8	3.4	0.1	0.0	1335.1	1	
15	0	32570	-0	2	0	2	-1	638.6	2.5	0.1	0.0	641.1	1	
16	0	32760	-1	2	0	2	-1	642.4	2.5	0.1	0.0	644.8	1	
17	0	32460	-0	2	0	2	-1	636.5	2.8	0.1	0.0	639.3	1	
1A	48	37215	-0	8	0	-0	1	729.7	0.7	0.4	0.0	730.4	6	
1E	48	39165	-0	8	0	-0	1	767.9	0.7	0.4	0.0	768.7	6	
1I	48	37459	-1	8	0	0	1	734.5	0.6	0.4	0.0	735.1	6	
1M	48	38921	-1	8	0	0	1	763.1	0.6	0.4	0.0	763.7	6	
2	48	54335	2	27	0	4	-1	1065.4	4.4	1.4	0.0	1069.8	1	
3	48	27835	1	17	0	3	-1	545.8	3.0	0.9	0.0	548.8	1	
4	48	25755	0	17	0	2	-1	505.0	3.0	0.9	0.0	508.0	1	
5	48	26180	1	17	0	3	-1	513.3	3.3	0.9	0.0	516.6	1	
6	48	63605	2	8	0	0	-1	1247.2	0.9	0.4	0.0	1248.1	6	
7	48	30415	1	5	0	0	-1	596.4	1.1	0.3	0.0	597.5	6	
8	48	30490	0	6	0	0	-1	597.8	1.2	0.3	0.0	599.0	6	
9	48	31300	1	5	0	1	-1	613.7	1.0	0.3	0.0	614.8	6	
10	48	63995	3	27	0	4	-1	1254.8	4.1	1.4	0.0	1258.9	1	
11	48	33255	1	17	0	2	-1	652.1	2.9	0.9	0.0	655.0	1	
12	48	31505	1	17	0	2	-1	617.7	2.9	0.9	0.0	620.6	1	
13	48	31305	1	17	0	3	-1	613.8	3.2	0.9	0.0	617.0	1	
14	48	67950	2	8	0	0	-1	1332.4	0.9	0.4	0.0	1333.3	6	
15	48	32590	1	5	0	0	-1	639.0	1.1	0.3	0.0	640.1	6	
16	48	32775	0	6	0	0	-1	642.6	1.2	0.3	0.0	643.8	6	
17	48	32475	1	5	0	1	-1	636.8	1.1	0.3	0.0	637.8	6	
1A	96	37235	1	9	0	-4	1	730.1	4.8	0.5	0.0	734.9	1	
1E	96	39185	1	9	0	-4	1	768.3	4.8	0.5	0.0	773.1	1	
1I	96	37479	1	10	0	-4	1	734.9	4.4	0.5	0.0	739.3	1	
1M	96	38941	1	10	0	-4	1	763.5	4.4	0.5	0.0	767.9	1	
2	96	54360	4	41	0	-12	0	1065.9	12.7	2.2	0.0	1078.6	1	
3	96	27850	2	26	0	-8	-0	546.1	7.8	1.4	0.0	553.9	1	
4	96	25770	2	27	0	-8	-1	505.3	8.4	1.4	0.0	513.7	1	
5	96	26200	2	26	0	-7	-0	513.7	7.6	1.4	0.0	521.4	1	
6	96	63630	4	13	0	-5	1	1247.6	5.1	0.7	0.0	1252.7	1	
7	96	30430	2	8	0	-3	-0	596.7	2.9	0.4	0.0	599.6	1	
8	96	30510	1	9	0	-3	-1	598.2	3.7	0.5	0.0	601.9	1	
9	96	31320	2	8	0	-3	-0	614.1	2.7	0.5	0.0	616.8	1	

10	96	64020	5	41	0	-13	1	1255.3	13.0	2.2	0.0	1268.3	1
11	96	33270	2	26	0	-8	-0	652.4	7.9	1.4	0.0	660.2	1
12	96	31520	2	26	0	-8	-1	618.0	8.4	1.4	0.0	626.5	1
13	96	31320	2	26	0	-8	-0	614.1	7.7	1.4	0.0	621.8	1
14	96	67980	4	13	0	-5	1	1332.9	5.2	0.7	0.0	1338.2	1
15	96	32610	2	8	0	-3	-0	639.4	2.9	0.4	0.0	642.3	1
16	96	32790	1	9	0	-3	-1	642.9	3.6	0.5	0.0	646.5	1
17	96	32490	2	9	0	-3	-0	637.1	2.7	0.5	0.0	639.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	37235	2	1	33	22	22	1.00	1.00	732.8	
1E	39185	2	1	33	22	22	1.00	1.00	771.1	
1I	37479	2	1	33	22	22	1.00	1.00	737.5	
1M	38941	2	1	33	22	22	1.00	1.00	766.1	
2	54360	5	1	33	22	22	1.00	1.00	1072.1	
3	27850	3	1	33	22	22	1.00	1.00	550.3	
4	25770	3	1	33	22	22	1.00	1.00	509.7	
5	26200	3	1	33	22	22	1.00	1.00	518.0	
6	63630	2	1	33	22	22	1.00	1.00	1250.2	
7	30430	1	1	33	22	22	1.00	1.00	598.5	
8	30510	1	1	33	22	22	1.00	1.00	600.4	
9	31320	1	1	33	22	22	1.00	1.00	615.7	
10	64020	5	1	33	22	22	1.00	1.00	1261.5	
11	33270	3	1	33	22	22	1.00	1.00	656.5	
12	31520	3	1	33	22	22	1.00	1.00	622.4	
13	31320	3	1	33	22	22	1.00	1.00	618.4	
14	67980	2	1	33	22	22	1.00	1.00	1335.5	
15	32610	1	1	33	22	22	1.00	1.00	641.2	
16	32790	1	1	33	22	22	1.00	1.00	645.1	
17	32490	1	1	33	22	22	1.00	1.00	638.7	

ASTA NUM. 3 NI 11 NF 26 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	-2.9439	-3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-59419	-17	11	0	4	12	1165.1	14.1	0.9	0.0	1179.1	6	
1E	0	-54981	-17	11	0	4	12	1078.1	14.1	0.9	0.0	1092.1	6	
1I	0	-58524	-9	16	0	9	5	1147.5	11.0	0.9	0.0	1158.5	1	
1M	0	-55876	-9	16	0	9	5	1095.6	11.0	0.9	0.0	1106.6	1	
2	0	-79590	4	34	0	32	-16	1560.6	38.9	1.8	0.0	1599.5	1	
3	0	-50060	2	22	0	20	-10	981.6	24.2	1.2	0.0	1005.7	1	
4	0	-49940	2	22	0	20	-9	979.2	24.2	1.2	0.0	1003.4	1	
5	0	-50390	1	22	0	20	-9	988.0	23.8	1.2	0.0	1011.9	1	
6	0	-92280	2	9	0	5	-14	1809.4	16.5	0.5	0.0	1825.9	6	
7	0	-58650	1	6	0	3	-8	1150.0	9.7	0.3	0.0	1159.7	6	
8	0	-58760	1	6	0	4	-8	1152.2	9.4	0.3	0.0	1161.6	6	
9	0	-59570	0	6	0	3	-7	1168.0	8.6	0.3	0.0	1176.6	6	
10	0	-83850	5	34	0	32	-18	1644.1	39.6	1.8	0.0	1683.7	1	
11	0	-52520	3	22	0	20	-11	1029.8	24.7	1.2	0.0	1054.5	1	
12	0	-52870	2	22	0	20	-10	1036.7	24.6	1.2	0.0	1061.3	1	
13	0	-52750	2	22	0	20	-10	1034.3	24.4	1.2	0.0	1058.7	1	
14	0	-87820	2	8	0	5	-14	1722.0	16.3	0.5	0.0	1738.2	6	
15	0	-55610	1	6	0	3	-8	1090.4	9.9	0.3	0.0	1100.3	6	
16	0	-56370	1	6	0	4	-8	1105.3	9.5	0.3	0.0	1114.7	6	
17	0	-56180	1	6	0	3	-7	1101.6	8.9	0.3	0.0	1110.5	6	
1A	60	-59399	-15	9	0	-2	2	1164.7	2.9	0.8	0.0	1167.6	1	
1E	60	-54961	-15	9	0	-2	2	1077.7	2.9	0.8	0.0	1080.6	1	
1I	60	-58504	-7	14	0	-1	1	1147.1	1.6	0.8	0.0	1148.7	6	
1M	60	-55856	-7	14	0	-1	1	1095.2	1.6	0.8	0.0	1096.8	6	
2	60	-79555	6	48	0	7	-13	1559.9	16.2	2.6	0.0	1576.1	6	
3	60	-50035	4	30	0	4	-8	981.1	9.8	1.6	0.0	990.9	6	
4	60	-49920	3	31	0	4	-8	978.8	9.4	1.7	0.0	988.2	6	
5	60	-50370	3	31	0	4	-7	987.6	9.0	1.7	0.0	996.6	6	
6	60	-92245	5	10	0	-0	-12	1808.7	12.3	0.5	0.0	1821.0	6	
7	60	-58630	3	7	0	-0	-7	1149.6	7.3	0.4	0.0	1156.9	6	
8	60	-58740	2	7	0	-1	-7	1151.8	7.1	0.4	0.0	1158.9	6	
9	60	-59550	2	7	0	-1	-6	1167.6	6.6	0.4	0.0	1174.2	6	
10	60	-83815	7	48	0	7	-15	1643.4	17.5	2.6	0.0	1660.9	6	
11	60	-52500	4	30	0	4	-9	1029.4	10.7	1.6	0.0	1040.1	6	
12	60	-52845	4	31	0	4	-8	1036.2	10.2	1.7	0.0	1046.4	6	
13	60	-52730	4	31	0	4	-8	1033.9	9.9	1.7	0.0	1043.9	6	
14	60	-87785	5	10	0	-1	-12	1721.3	12.4	0.5	0.0	1733.7	6	
15	60	-55590	3	7	0	-0	-7	1090.0	7.4	0.4	0.0	1097.4	6	
16	60	-56345	3	7	0	-1	-7	1104.8	7.1	0.4	0.0	1112.0	6	
17	60	-56160	2	7	0	-1	-7	1101.2	6.9	0.4	0.0	1108.1	6	
1A	121	-59379	-14	8	0	-7	-8	1164.3	11.2	0.7	0.0	1175.4	6	
1E	121	-54941	-14	8	0	-7	-8	1077.3	11.2	0.7	0.0	1088.4	6	
1I	121	-58484	-5	13	0	-9	-2	1146.7	9.6	0.7	0.0	1156.4	1	
1M	121	-55836	-5	13	0	-9	-2	1094.8	9.6	0.7	0.0	1104.4	1	
2	121	-79520	9	62	0	-26	-9	1559.2	30.0	3.3	0.0	1589.2	1	
3	121	-50010	5	39	0	-17	-5	980.6	18.9	2.1	0.0	999.5	1	
4	121	-49900	5	39	0	-17	-5	978.4	19.3	2.1	0.0	997.8	1	
5	121	-50350	5	39	0	-17	-5	987.3	19.2	2.1	0.0	1006.5	1	
6	121	-92210	7	12	0	-7	-8	1808.0	11.2	0.6	0.0	1819.2	6	
7	121	-58610	4	8	0	-5	-5	1149.2	7.0	0.4	0.0	1156.2	6	
8	121	-58720	4	8	0	-5	-5	1151.4	7.4	0.5	0.0	1158.8	1	
9	121	-59530	4	8	0	-5	-5	1167.3	7.3	0.4	0.0	1174.5	1	
10	121	-83780	10	62	0	-26	-9	1642.7	30.5	3.3	0.0	1673.3	1	
11	121	-52480	6	39	0	-17	-6	1029.0	19.3	2.1	0.0	1048.3	1	
12	121	-52820	6	39	0	-17	-6	1035.7	19.6	2.1	0.0	1055.3	1	
13	121	-52710	5	39	0	-17	-5	1033.5	19.6	2.1	0.0	1053.1	1	
14	121	-87750	7	11	0	-7	-8	1720.6	11.3	0.6	0.0	1731.9	6	
15	121	-55570	4	8	0	-5	-5	1089.6	7.1	0.4	0.0	1096.7	6	
16	121	-56320	4	8	0	-5	-5	1104.3	7.3	0.4	0.0	1111.6	1	
17	121	-56140	4	8	0	-5	-5	1100.8	7.4	0.4	0.0	1108.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-59419	3	5	42	27	27	1.23	1.00	1441.3	
1E	-54981	3	5	42	27	27	1.23	1.00	1334.3	
1I	-58524	4	3	42	27	27	1.23	1.00	1417.8	
1M	-55876	4	3	42	27	27	1.23	1.00	1354.0	
2	-79590	13	13	42	27	27	1.23	1.00	1947.2	
3	-50060	8	8	42	27	27	1.23	1.00	1223.9	
4	-49940	8	8	42	27	27	1.23	1.00	1220.7	
5	-50390	8	7	42	27	27	1.23	1.00	1231.1	
6	-92280	3	12	42	27	27	1.23	1.00	2241.3	
7	-58650	2	7	42	27	27	1.23	1.00	1423.8	
8	-58760	2	7	42	27	27	1.23	1.00	1426.4	
9	-59570	2	6	42	27	27	1.23	1.00	1445.3	
10	-83850	13	15	42	27	27	1.23	1.00	2051.6	
11	-52520	8	9	42	27	27	1.23	1.00	1284.3	
12	-52870	8	8	42	27	27	1.23	1.00	1292.4	
13	-52750	8	8	42	27	27	1.23	1.00	1289.2	
14	-87820	3	12	42	27	27	1.23	1.00	2133.7	
15	-55610	2	7	42	27	27	1.23	1.00	1350.6	
16	-56370	2	7	42	27	27	1.23	1.00	1368.7	
17	-56180	2	6	42	27	27	1.23	1.00	1363.8	

ASTA NUM. 4 NI 15 NF 5 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	2.9439	3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-46385	3	7	0	1	-1	909.5	1.0	0.4	0.0	910.6	1	
1E	0	-44435	3	7	0	1	-1	871.3	1.0	0.4	0.0	872.3	1	
1I	0	-46140	2	7	0	1	-0	904.7	1.5	0.4	0.0	906.2	1	
1M	0	-44680	2	7	0	1	-0	876.1	1.5	0.4	0.0	877.6	1	
2	0	-62880	6	13	0	10	-4	1232.9	11.4	0.7	0.0	1244.3	1	
3	0	-33580	3	8	0	6	-2	658.4	7.2	0.4	0.0	665.6	1	
4	0	-30530	3	8	0	6	-2	598.6	7.5	0.4	0.0	606.2	1	
5	0	-32490	3	9	0	6	-2	637.1	7.2	0.5	0.0	644.3	1	
6	0	-74570	6	4	0	-1	-4	1462.2	3.9	0.3	0.0	1466.0	6	
7	0	-38110	3	2	0	-0	-2	747.3	2.3	0.2	0.0	749.6	6	
8	0	-36520	3	3	0	0	-2	716.1	2.3	0.1	0.0	718.4	6	
9	0	-39230	3	4	0	-0	-2	769.2	2.3	0.2	0.0	771.5	6	
10	0	-66120	7	13	0	9	-4	1296.5	11.3	0.7	0.0	1307.8	1	
11	0	-35350	3	8	0	6	-3	693.1	7.2	0.4	0.0	700.3	1	
12	0	-32590	3	8	0	6	-3	639.0	7.5	0.4	0.0	646.5	1	
13	0	-33940	3	9	0	6	-3	665.5	7.2	0.5	0.0	672.7	1	
14	0	-70230	6	3	0	-1	-4	1377.1	4.0	0.3	0.0	1381.1	6	
15	0	-35110	3	2	0	-0	-2	688.4	2.3	0.1	0.0	690.8	6	
16	0	-33850	3	3	0	0	-2	663.7	2.3	0.1	0.0	666.0	6	
17	0	-35480	3	3	0	-0	-2	695.7	2.3	0.2	0.0	698.0	6	
1A	48	-46365	1	6	0	-2	0	909.1	2.5	0.3	0.0	911.6	1	

1E	48	-44415	1	6	0	-2	0	870.9	2.5	0.3	0.0	873.4	1
1I	48	-46120	1	6	0	-2	0	904.3	2.0	0.3	0.0	906.4	1
1M	48	-44660	1	6	0	-2	0	875.7	2.0	0.3	0.0	877.7	1
2	48	-62855	4	23	0	1	-1	1232.5	1.9	1.3	0.0	1234.3	6
3	48	-33560	2	15	0	1	-1	658.0	1.5	0.8	0.0	659.6	6
4	48	-30510	2	15	0	1	-1	598.2	1.7	0.8	0.0	599.9	6
5	48	-32470	2	16	0	0	-1	636.7	1.4	0.9	0.0	638.1	6
6	48	-74540	4	5	0	-3	-1	1461.6	3.1	0.3	0.0	1464.7	1
7	48	-38095	2	3	0	-2	-1	747.0	2.0	0.2	0.0	749.0	1
8	48	-36505	1	4	0	-1	-1	715.8	1.9	0.2	0.0	717.7	1
9	48	-39210	2	4	0	-2	-1	768.8	2.7	0.2	0.0	771.5	1
10	48	-66090	5	23	0	1	-2	1295.9	1.9	1.3	0.0	1297.8	6
11	48	-35335	2	15	0	1	-1	692.8	1.6	0.8	0.0	694.4	6
12	48	-32570	2	15	0	1	-1	638.6	1.7	0.8	0.0	640.3	6
13	48	-33920	2	16	0	0	-1	665.1	1.4	0.8	0.0	666.5	6
14	48	-70200	4	5	0	-3	-1	1376.5	3.2	0.2	0.0	1379.6	1
15	48	-35095	2	3	0	-1	-1	688.1	2.0	0.2	0.0	690.1	1
16	48	-33830	1	4	0	-1	-1	663.3	1.9	0.2	0.0	665.2	1
17	48	-35460	1	4	0	-2	-1	695.3	2.6	0.2	0.0	697.8	1
1A	96	-46345	-0	4	0	-5	1	908.7	5.0	0.2	0.0	913.8	1
1E	96	-44395	-0	4	0	-5	1	870.5	5.0	0.2	0.0	875.5	1
1I	96	-46100	-1	5	0	-4	0	903.9	4.6	0.2	0.0	908.6	1
1M	96	-44640	-1	5	0	-4	0	875.3	4.6	0.2	0.0	879.9	1
2	96	-62830	2	34	0	-13	-0	1232.0	12.9	1.8	0.0	1244.9	1
3	96	-33540	1	21	0	-8	-1	657.6	8.3	1.2	0.0	665.9	1
4	96	-30490	0	22	0	-8	-1	597.8	8.4	1.2	0.0	606.3	1
5	96	-32450	0	23	0	-9	-1	636.3	9.3	1.2	0.0	645.6	1
6	96	-74510	2	6	0	-5	0	1461.0	5.5	0.3	0.0	1466.4	1
7	96	-38080	0	4	0	-3	-1	746.7	3.5	0.2	0.0	750.2	1
8	96	-36490	0	4	0	-3	-1	715.5	3.6	0.2	0.0	719.1	1
9	96	-39190	0	5	0	-4	-1	768.4	4.8	0.3	0.0	773.3	1
10	96	-66060	2	34	0	-13	0	1295.3	13.1	1.8	0.0	1308.4	1
11	96	-35320	1	21	0	-8	-1	692.5	8.3	1.2	0.0	700.8	1
12	96	-32550	1	22	0	-8	-1	638.2	8.5	1.2	0.0	646.7	1
13	96	-33900	1	22	0	-9	-1	664.7	9.3	1.2	0.0	674.0	1
14	96	-70170	2	6	0	-5	0	1375.9	5.3	0.3	0.0	1381.2	1
15	96	-35080	0	4	0	-3	-1	687.8	3.5	0.2	0.0	691.3	1
16	96	-33810	0	4	0	-3	-1	662.9	3.6	0.2	0.0	666.6	1
17	96	-35440	0	5	0	-4	-1	694.9	4.6	0.3	0.0	699.5	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-46385	2	0	33	22	22	1.13	1.00	1030.6	
1E	-44435	2	0	33	22	22	1.13	1.00	987.4	
1I	-46140	2	0	33	22	22	1.13	1.00	1024.7	
1M	-44680	2	0	33	22	22	1.13	1.00	992.3	
2	-62880	5	2	33	22	22	1.13	1.00	1401.0	
3	-33580	3	2	33	22	22	1.13	1.00	749.0	
4	-30530	3	2	33	22	22	1.13	1.00	681.5	
5	-32490	4	2	33	22	22	1.13	1.00	725.3	
6	-74570	3	2	33	22	22	1.13	1.00	1657.8	
7	-38110	2	2	33	22	22	1.13	1.00	848.1	
8	-36520	2	2	33	22	22	1.13	1.00	812.8	
9	-39230	3	2	33	22	22	1.13	1.00	873.7	
10	-66120	5	2	33	22	22	1.13	1.00	1472.9	
11	-35350	3	2	33	22	22	1.13	1.00	788.3	
12	-32590	3	2	33	22	22	1.13	1.00	727.3	
13	-33940	4	2	33	22	22	1.13	1.00	757.5	
14	-70230	3	2	33	22	22	1.13	1.00	1561.7	
15	-35110	2	2	33	22	22	1.13	1.00	781.6	
16	-33850	2	2	33	22	22	1.13	1.00	753.7	
17	-35480	3	2	33	22	22	1.13	1.00	790.5	

ASTA NUM. 5 NI 19 NF 12 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	2.9438	3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-51448	-19	7	0	4	12	1008.8	14.4	1.0	0.0	1023.2	6	
1E	0	-46532	-19	7	0	4	12	912.4	14.4	1.0	0.0	926.8	6	
1I	0	-50376	-6	16	0	5	3	987.8	6.5	0.8	0.0	994.3	1	
1M	0	-47604	-6	16	0	5	3	933.4	6.5	0.8	0.0	939.9	1	
2	0	-68900	48	-54	0	-17	-38	1351.0	45.7	2.9	0.0	1396.7	6	
3	0	-36680	29	-34	0	-11	-23	719.2	27.7	1.8	0.0	747.0	6	
4	0	-31830	27	-35	0	-12	-21	624.1	26.6	1.9	0.0	650.7	6	
5	0	-34560	27	-35	0	-12	-21	677.6	26.7	1.9	0.0	704.4	6	
6	0	-80800	44	-10	0	-5	-35	1584.3	37.7	2.4	0.0	1622.0	6	
7	0	-41050	26	-6	0	-4	-21	804.9	22.6	1.4	0.0	827.5	6	
8	0	-37470	24	-7	0	-5	-19	734.7	21.6	1.3	0.0	756.3	6	
9	0	-41100	24	-8	0	-5	-19	805.9	21.6	1.3	0.0	827.5	6	
10	0	-72730	53	-54	0	-18	-42	1426.1	49.8	2.9	0.0	1475.8	6	
11	0	-38880	32	-34	0	-11	-26	762.4	30.5	1.8	0.0	792.9	6	
12	0	-34310	30	-35	0	-12	-24	672.7	29.1	1.9	0.0	701.9	6	
13	0	-36490	31	-35	0	-12	-24	715.5	29.6	1.9	0.0	745.1	6	
14	0	-76440	44	-9	0	-5	-35	1498.8	37.2	2.3	0.0	1536.1	6	
15	0	-38090	26	-6	0	-4	-21	746.9	22.7	1.4	0.0	769.6	6	
16	0	-34840	24	-7	0	-5	-19	683.1	21.5	1.3	0.0	704.7	6	
17	0	-37510	25	-7	0	-5	-20	735.5	22.1	1.3	0.0	757.6	6	
1A	60	-51428	-21	6	0	3	0	1008.4	3.7	1.1	0.0	1012.1	1	
1E	60	-46512	-21	6	0	3	0	912.0	3.7	1.1	0.0	915.7	1	
1I	60	-50356	-7	14	0	-5	-1	987.4	5.2	0.8	0.0	992.6	1	
1M	60	-47584	-7	14	0	-5	-1	933.0	5.2	0.8	0.0	938.2	1	
2	60	-68865	46	-41	0	11	-10	1350.3	15.4	2.5	0.0	1365.7	1	
3	60	-36660	27	-25	0	7	-6	718.8	9.4	1.5	0.0	728.2	1	
4	60	-31805	25	-26	0	6	-6	623.6	8.8	1.4	0.0	632.4	1	
5	60	-34535	25	-26	0	6	-6	677.2	8.7	1.4	0.0	685.8	1	
6	60	-80765	41	-8	0	0	-9	1583.6	9.6	2.2	0.0	1593.2	6	
7	60	-41030	24	-5	0	-0	-6	804.5	5.7	1.3	0.0	810.2	6	
8	60	-37445	23	-6	0	-1	-5	734.2	5.6	1.2	0.0	739.8	6	
9	60	-41080	22	-7	0	-1	-5	805.5	5.6	1.2	0.0	811.1	6	
10	60	-72695	51	-41	0	11	-11	1425.4	15.6	2.7	0.0	1441.0	1	
11	60	-38860	31	-26	0	7	-7	762.0	9.6	1.7	0.0	771.5	1	
12	60	-34285	28	-26	0	6	-6	672.3	8.9	1.5	0.0	681.2	1	
13	60	-36465	29	-26	0	6	-6	715.0	8.9	1.6	0.0	723.9	6	
14	60	-76405	41	-8	0	0	-9	1498.1	9.4	2.2	0.0	1507.5	6	
15	60	-38065	25	-5	0	-0	-6	746.4	5.7	1.3	0.0	752.1	6	
16	60	-34820	23	-6	0	-1	-5	682.7	5.6	1.2	0.0	688.3	6	
17	60	-37490	23	-6	0	-1	-5	735.1	5.7	1.2	0.0	740.8	6	
1A	121	-51408	-23	4	0	4	-13	1008.0	14.4	1.2	0.0	1022.4	6	
1E	121	-46492	-23	4	0	4	-13	911.6	14.4	1.2	0.0	926.0	6	
1I	121	-50336	-9	12	0	-14	-6	987.0	16.3	0.7	0.0	1003.3	1	
1M	121	-47564	-9	12	0	-14	-6	932.6	16.3	0.7	0.0	948.9	1	
2	121	-68830	43	-27	0	32	17	1349.6	39.1	2.3	0.0	1388.7	1	
3	121	-36640	26	-17	0	20	10	718.4	24.1	1.4	0.0	742.5	1	
4	121	-31780	24	-18	0	20	9	623.1	23.7	1.3	0.0	646.8	1	
5	121	-34510	24	-18	0	20	9	676.7	23.7	1.3	0.0	700.4	1	
6	121	-80730	39	-7	0	5	15	1582.9	17.1	2.1	0.0	1600.1	6	
7	121	-41010	23	-4	0	3	9	804.1	10.0	1.2	0.0	814.1	6	
8	121	-37420	21	-5	0	3	8	733.7	9.2	1.1	0.0	742.9	6	
9	121	-41060	21	-6	0	3	8	805.1	9.1	1.1	0.0	814.2	6	
10	121	-72660	48	-27	0	31	19	1424.7	39.7	2.6	0.0	1464.5	1	
11	121	-38840	29	-17	0	20	11	761.6	24.6	1.6	0.0	786.2	1	
12	121	-34260	27	-18	0	19	11	671.8	24.1	1.4	0.0	695.9	1	
13	121	-36440	27	-18	0	20	11	714.5	24.3	1.5	0.0	738.8	1	
14	121	-76370	38	-7	0	5	15	1497.5	16.8	2.1	0.0	1514.3	6	
15	121	-38040	23	-4	0	3	9	745.9	10.1	1.2	0.0	756.0	6	
16	121	-34800	21	-5	0	3	8	682.4	9.2	1.1	0.0	691.5	6	
17	121	-37470	22	-6	0	3	8	734.7	9.5	1.2	0.0	744.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-51448	4	5	42	27	27	1.23	1.00	1250.4	
1E	-46532	4	5	42	27	27	1.23	1.00	1131.8	
1I	-50376	6	2	42	27	27	1.23	1.00	1223.9	
1M	-47604	6	2	42	27	27	1.23	1.00	1157.0	
2	-68900	13	16	42	27	27	1.23	1.00	1692.2	
3	-36680	8	10	42	27	27	1.23	1.00	902.8	
4	-31830	8	9	42	27	27	1.23	1.00	785.2	
5	-34560	8	9	42	27	27	1.23	1.00	851.1	
6	-80800	2	15	42	27	27	1.23	1.00	1967.1	
7	-41050	1	9	42	27	27	1.23	1.00	1001.0	
8	-37470	2	9	42	27	27	1.23	1.00	914.5	
9	-41100	2	8	42	27	27	1.23	1.00	1002.1	
10	-72730	13	18	42	27	27	1.23	1.00	1786.2	
11	-38880	8	11	42	27	27	1.23	1.00	957.0	
12	-34310	8	10	42	27	27	1.23	1.00	846.0	
13	-36490	8	10	42	27	27	1.23	1.00	898.7	
14	-76440	2	15	42	27	27	1.23	1.00	1861.7	
15	-38090	1	9	42	27	27	1.23	1.00	929.6	
16	-34840	2	8	42	27	27	1.23	1.00	850.9	
17	-37510	2	9	42	27	27	1.23	1.00	915.6	

ASTA NUM. 6 NI 12 NF 23 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	2.9439	3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	-52529	-18	10	0	4	28	1030.0	29.6	1.0	0.0	1059.6	6	
1E	0	-48091	-18	10	0	4	28	943.0	29.6	1.0	0.0	972.6	6	
1I	0	-51635	-10	15	0	8	21	1012.4	24.6	0.8	0.0	1037.1	6	
1M	0	-48985	-10	15	0	8	21	960.5	24.6	0.8	0.0	985.1	6	
2	0	-70380	-4	33	0	31	16	1380.0	38.6	1.8	0.0	1418.6	1	
3	0	-37210	-2	20	0	20	10	729.6	23.8	1.1	0.0	753.4	1	
4	0	-33400	-2	20	0	19	9	654.9	23.4	1.1	0.0	678.3	1	
5	0	-34560	-2	20	0	20	9	677.6	23.5	1.1	0.0	701.1	1	
6	0	-82870	-3	7	0	5	14	1624.9	16.3	0.4	0.0	1641.2	6	
7	0	-41740	-1	4	0	3	8	818.4	9.5	0.2	0.0	828.0	6	
8	0	-39530	-1	3	0	3	7	775.1	8.7	0.2	0.0	783.8	6	
9	0	-41210	-1	3	0	3	7	808.0	8.7	0.2	0.0	816.8	6	
10	0	-74630	-5	33	0	31	18	1463.3	39.2	1.8	0.0	1502.5	1	
11	0	-39670	-3	20	0	20	11	777.8	24.3	1.1	0.0	802.1	1	
12	0	-36130	-2	20	0	19	10	708.4	23.8	1.1	0.0	732.2	1	
13	0	-36720	-3	20	0	19	10	720.0	24.0	1.1	0.0	744.0	1	
14	0	-78410	-2	7	0	5	14	1537.5	16.1	0.4	0.0	1553.5	6	
15	0	-38700	-1	4	0	3	8	758.8	9.7	0.2	0.0	768.5	6	
16	0	-36840	-1	3	0	3	8	722.4	8.8	0.2	0.0	731.1	6	
17	0	-37520	-1	3	0	3	8	735.7	9.1	0.2	0.0	744.8	6	
1A	60	-52509	-20	8	0	-2	15	1029.6	16.3	1.1	0.0	1045.9	6	
1E	60	-48071	-20	8	0	-2	15	942.6	16.3	1.1	0.0	958.9	6	
1I	60	-51615	-12	13	0	-0	15	1012.1	15.3	0.7	0.0	1027.4	6	
1M	60	-48965	-12	13	0	-0	15	960.1	15.3	0.7	0.0	975.4	6	
2	60	-70345	-6	47	0	7	13	1379.3	16.3	2.5	0.0	1395.6	6	
3	60	-37190	-4	29	0	5	8	729.2	9.8	1.6	0.0	739.1	6	
4	60	-33375	-3	28	0	5	7	654.4	9.4	1.5	0.0	663.9	6	
5	60	-34535	-3	28	0	5	7	677.2	9.5	1.5	0.0	686.7	6	
6	60	-82835	-5	9	0	-0	12	1624.2	11.9	0.5	0.0	1636.1	6	
7	60	-41715	-3	5	0	0	7	817.9	7.0	0.3	0.0	824.9	6	
8	60	-39505	-3	4	0	0	6	774.6	6.6	0.2	0.0	781.3	6	
9	60	-41190	-3	4	0	1	6	807.6	6.7	0.2	0.0	814.3	6	
10	60	-74595	-7	47	0	7	14	1462.6	17.5	2.5	0.0	1480.2	6	
11	60	-39645	-5	29	0	5	9	777.4	10.7	1.6	0.0	788.1	6	
12	60	-36110	-4	28	0	5	8	708.0	10.2	1.5	0.0	718.2	6	
13	60	-36700	-4	28	0	5	8	719.6	10.4	1.5	0.0	730.0	6	
14	60	-78375	-5	9	0	-0	12	1536.8	12.1	0.5	0.0	1548.8	6	
15	60	-38680	-3	5	0	0	7	758.4	7.1	0.3	0.0	765.5	6	
16	60	-36815	-3	4	0	0	6	721.9	6.6	0.2	0.0	728.5	6	
17	60	-37500	-3	4	0	1	7	735.3	6.9	0.2	0.0	742.2	6	
1A	121	-52489	-22	7	0	-6	2	1029.2	7.3	1.2	0.0	1036.5	1	
1E	121	-48051	-22	7	0	-6	2	942.2	7.3	1.2	0.0	949.5	1	
1I	121	-51595	-13	12	0	-8	8	1011.7	11.5	0.7	0.0	1023.1	6	
1M	121	-48945	-13	12	0	-8	8	959.7	11.5	0.7	0.0	971.2	6	
2	121	-70310	-9	60	0	-25	8	1378.6	28.8	3.3	0.0	1407.4	1	
3	121	-37170	-5	38	0	-15	5	728.8	17.7	2.0	0.0	746.6	1	
4	121	-33350	-5	37	0	-15	5	653.9	16.8	2.0	0.0	670.7	1	
5	121	-34510	-5	37	0	-14	5	676.7	16.5	2.0	0.0	693.2	1	
6	121	-82800	-8	10	0	-6	8	1623.5	10.4	0.6	0.0	1634.0	6	
7	121	-41690	-5	6	0	-3	5	817.5	6.1	0.3	0.0	823.6	6	
8	121	-39480	-4	5	0	-3	4	774.1	5.5	0.3	0.0	779.6	6	
9	121	-41170	-4	5	0	-2	4	807.3	5.3	0.3	0.0	812.5	6	
10	121	-74560	-10	60	0	-25	9	1462.0	29.2	3.3	0.0	1491.2	1	
11	121	-39620	-6	38	0	-16	5	776.9	18.0	2.0	0.0	794.9	1	
12	121	-36090	-6	37	0	-15	5	707.6	17.1	2.0	0.0	724.7	1	
13	121	-36680	-6	37	0	-15	5	719.2	16.9	2.0	0.0	736.1	1	
14	121	-78340	-8	10	0	-6	8	1536.1	10.6	0.5	0.0	1546.6	6	
15	121	-38660	-5	6	0	-3	5	758.0	6.2	0.3	0.0	764.2	6	
16	121	-36790	-4	5	0	-3	4	721.4	5.5	0.3	0.0	726.9	6	
17	121	-37480	-4	5	0	-2	4	734.9	5.5	0.3	0.0	740.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	--								--	
	daN	daN*m							daN/cmq	
1A	-52529	3	17	42	27	27	1.23	1.00	1287.8	
1E	-48091	3	17	42	27	27	1.23	1.00	1180.7	
1I	-51635	3	16	42	27	27	1.23	1.00	1265.4	
1M	-48985	3	16	42	27	27	1.23	1.00	1201.4	
2	-70380	13	13	42	27	27	1.23	1.00	1724.7	
3	-37210	8	8	42	27	27	1.23	1.00	913.6	
4	-33400	8	7	42	27	27	1.23	1.00	821.1	
5	-34560	8	7	42	27	27	1.23	1.00	849.1	
6	-82870	2	12	42	27	27	1.23	1.00	2013.6	
7	-41740	1	7	42	27	27	1.23	1.00	1015.2	
8	-39530	1	6	42	27	27	1.23	1.00	961.0	
9	-41210	1	6	42	27	27	1.23	1.00	1001.5	
10	-74630	13	14	42	27	27	1.23	1.00	1828.7	
11	-39670	8	9	42	27	27	1.23	1.00	974.0	
12	-36130	8	8	42	27	27	1.23	1.00	887.8	
13	-36720	8	8	42	27	27	1.23	1.00	902.2	
14	-78410	2	12	42	27	27	1.23	1.00	1906.0	
15	-38700	1	7	42	27	27	1.23	1.00	942.0	
16	-36840	1	6	42	27	27	1.23	1.00	896.1	
17	-37520	1	6	42	27	27	1.23	1.00	912.8	

ASTA NUM. 7 NI 20 NF 10 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	2.9438	2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	46352	-72	0	0	4	56	908.9	58.6	3.9	0.0	967.5	6	
1E	0	51268	-72	0	0	4	56	1005.3	58.6	3.9	0.0	1063.8	6	
1I	0	47424	-59	9	0	5	47	929.9	49.6	3.2	0.0	979.5	6	
1M	0	50196	-59	9	0	5	47	984.2	49.6	3.2	0.0	1033.9	6	
2	0	70040	-53	-64	0	-18	43	1373.3	51.4	3.5	0.0	1424.8	6	
3	0	45450	-32	-40	0	-11	26	891.2	30.9	2.2	0.0	922.1	6	
4	0	44670	-30	-39	0	-10	24	875.9	28.9	2.1	0.0	904.7	6	
5	0	46980	-30	-39	0	-10	24	921.2	28.7	2.1	0.0	949.9	6	
6	0	79390	-48	-20	0	-6	40	1556.7	43.2	2.6	0.0	1599.8	6	
7	0	52470	-29	-12	0	-3	24	1028.8	25.4	1.5	0.0	1054.2	6	
8	0	51790	-27	-11	0	-2	22	1015.5	23.4	1.4	0.0	1038.9	6	
9	0	54910	-27	-11	0	-2	22	1076.7	23.0	1.4	0.0	1099.7	6	
10	0	80050	-58	-64	0	-18	48	1569.6	55.6	3.5	0.0	1625.2	6	
11	0	51140	-35	-40	0	-11	29	1002.7	33.8	2.2	0.0	1036.5	6	
12	0	50840	-33	-39	0	-10	27	996.9	31.4	2.1	0.0	1028.3	6	
13	0	52610	-33	-39	0	-10	27	1031.6	31.7	2.1	0.0	1063.3	6	
14	0	83740	-49	-20	0	-6	41	1642.0	43.6	2.6	0.0	1685.6	6	
15	0	54710	-29	-12	0	-3	24	1072.7	25.7	1.6	0.0	1098.5	6	
16	0	54410	-27	-11	0	-2	22	1066.9	23.5	1.4	0.0	1090.4	6	
17	0	56560	-27	-11	0	-2	23	1109.0	23.8	1.5	0.0	1132.9	6	
1A	60	46377	-74	2	0	6	12	909.4	14.8	4.0	0.0	924.1	6	
1E	60	51293	-74	2	0	6	12	1005.7	14.8	4.0	0.0	1020.5	6	
1I	60	47449	-61	11	0	-2	11	930.4	11.8	3.3	0.0	942.2	6	
1M	60	50221	-61	11	0	-2	11	984.7	11.8	3.3	0.0	996.5	6	
2	60	70070	-55	-46	0	15	11	1373.9	20.0	3.0	0.0	1393.9	1	
3	60	45470	-33	-28	0	10	6	891.6	12.6	1.8	0.0	904.1	1	
4	60	44690	-31	-28	0	10	6	876.3	12.9	1.7	0.0	889.2	1	
5	60	47000	-31	-27	0	10	6	921.6	13.1	1.7	0.0	934.6	1	
6	60	79425	-51	-13	0	4	10	1557.4	12.4	2.7	0.0	1569.7	6	
7	60	52490	-30	-8	0	3	6	1029.2	7.4	1.6	0.0	1036.6	6	
8	60	51810	-28	-7	0	4	6	1015.9	7.3	1.5	0.0	1023.1	6	
9	60	54930	-28	-7	0	4	6	1077.1	7.3	1.5	0.0	1084.4	6	
10	60	80085	-60	-46	0	15	12	1570.3	20.4	3.2	0.0	1590.7	1	
11	60	51160	-37	-28	0	10	7	1003.1	12.9	2.0	0.0	1016.0	1	
12	60	50865	-34	-28	0	10	7	997.4	13.2	1.9	0.0	1010.5	1	
13	60	52630	-35	-27	0	10	7	1032.0	13.3	1.9	0.0	1045.3	1	
14	60	83775	-51	-14	0	5	11	1642.6	12.6	2.8	0.0	1655.3	6	
15	60	54730	-31	-8	0	3	6	1073.1	7.5	1.7	0.0	1080.7	6	
16	60	54430	-28	-7	0	4	6	1067.3	7.3	1.5	0.0	1074.6	6	
17	60	56580	-29	-7	0	4	6	1109.4	7.5	1.6	0.0	1116.9	6	
1A	121	46402	-76	4	0	8	-33	909.8	36.9	4.1	0.0	946.7	6	
1E	121	51318	-76	4	0	8	-33	1006.2	36.9	4.1	0.0	1043.1	6	
1I	121	47474	-63	12	0	-10	-26	930.9	30.7	3.4	0.0	961.6	6	
1M	121	50246	-63	12	0	-10	-26	985.2	30.7	3.4	0.0	1015.9	6	
2	121	70100	-58	-27	0	37	-23	1374.5	47.2	3.1	0.0	1421.7	1	
3	121	45490	-35	-17	0	23	-14	892.0	29.5	1.9	0.0	921.5	1	
4	121	44710	-33	-16	0	23	-13	876.7	29.3	1.8	0.0	906.0	1	
5	121	47020	-33	-16	0	23	-13	922.0	29.3	1.8	0.0	951.2	1	
6	121	79460	-53	-7	0	10	-21	1558.0	25.6	2.9	0.0	1583.6	6	
7	121	52510	-32	-4	0	7	-13	1029.6	15.7	1.7	0.0	1045.3	6	
8	121	51830	-30	-3	0	7	-12	1016.3	14.9	1.6	0.0	1031.2	6	
9	121	54950	-30	-3	0	7	-12	1077.5	14.7	1.6	0.0	1092.2	6	
10	121	80120	-63	-27	0	37	-25	1571.0	47.9	3.4	0.0	1618.9	1	
11	121	51180	-38	-17	0	23	-15	1003.5	30.0	2.1	0.0	1033.6	1	
12	121	50890	-36	-16	0	23	-15	997.8	29.7	1.9	0.0	1027.6	1	
13	121	52650	-36	-16	0	23	-15	1032.4	29.8	2.0	0.0	1062.2	1	
14	121	83810	-54	-7	0	11	-21	1643.3	25.8	2.9	0.0	1669.2	6	
15	121	54750	-32	-4	0	7	-13	1073.5	15.9	1.7	0.0	1089.4	6	
16	121	54450	-30	-3	0	7	-12	1067.6	14.9	1.6	0.0	1082.6	6	
17	121	56600	-31	-3	0	7	-12	1109.8	15.1	1.6	0.0	1124.9	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	46402	6	22	42	27	27	1.00	1.00	938.9	
1E	51318	6	22	42	27	27	1.00	1.00	1035.3	
1I	47474	4	19	42	27	27	1.00	1.00	953.9	
1M	50246	4	19	42	27	27	1.00	1.00	1008.2	
2	70100	15	17	42	27	27	1.00	1.00	1407.4	
3	45490	10	10	42	27	27	1.00	1.00	912.3	
4	44710	10	10	42	27	27	1.00	1.00	896.8	
5	47020	10	10	42	27	27	1.00	1.00	942.2	
6	79460	4	16	42	27	27	1.00	1.00	1578.6	
7	52510	3	10	42	27	27	1.00	1.00	1042.2	
8	51830	3	9	42	27	27	1.00	1.00	1028.7	
9	54950	3	9	42	27	27	1.00	1.00	1089.9	
10	80120	15	19	42	27	27	1.00	1.00	1605.5	
11	51180	10	12	42	27	27	1.00	1.00	1025.0	
12	50890	10	11	42	27	27	1.00	1.00	1019.0	
13	52650	10	11	42	27	27	1.00	1.00	1053.7	
14	83810	4	16	42	27	27	1.00	1.00	1664.2	
15	54750	3	10	42	27	27	1.00	1.00	1086.3	
16	54450	3	9	42	27	27	1.00	1.00	1080.1	
17	56600	3	9	42	27	27	1.00	1.00	1122.6	

ASTA NUM. 8 NI 10 NF 24 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	2.9439	2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	47281	-8	14	0	8	8	927.1	11.8	0.7	0.0	938.9	6	
1E	0	51719	-8	14	0	8	8	1014.1	11.8	0.7	0.0	1025.9	6	
1I	0	48175	0	19	0	12	2	944.6	13.1	1.0	0.0	957.8	1	
1M	0	50825	0	19	0	12	2	996.6	13.1	1.0	0.0	1009.7	1	
2	0	70730	16	38	0	37	-22	1386.9	46.5	2.0	0.0	1433.3	1	
3	0	45130	10	24	0	23	-13	884.9	29.1	1.3	0.0	914.0	1	
4	0	44690	10	24	0	23	-12	876.3	28.9	1.3	0.0	905.2	1	
5	0	45350	10	25	0	23	-12	889.2	28.9	1.3	0.0	918.1	1	
6	0	80610	15	12	0	10	-19	1580.6	24.0	0.8	0.0	1604.6	6	
7	0	52070	9	8	0	7	-12	1021.0	14.8	0.5	0.0	1035.8	6	
8	0	52010	9	9	0	7	-11	1019.8	14.1	0.5	0.0	1033.9	6	
9	0	53070	9	9	0	7	-11	1040.6	14.0	0.5	0.0	1054.5	6	
10	0	81280	17	38	0	37	-23	1593.7	47.1	2.0	0.0	1640.8	1	
11	0	51140	11	24	0	23	-14	1002.7	29.6	1.3	0.0	1032.3	1	
12	0	51210	10	24	0	23	-14	1004.1	29.3	1.3	0.0	1033.4	1	
13	0	51310	10	25	0	23	-14	1006.1	29.4	1.3	0.0	1035.5	1	
14	0	85070	15	12	0	11	-20	1668.0	24.3	0.8	0.0	1692.3	6	
15	0	54360	9	8	0	7	-12	1065.9	15.0	0.5	0.0	1080.8	6	
16	0	54710	9	9	0	7	-11	1072.7	14.0	0.5	0.0	1086.8	6	
17	0	54780	9	9	0	7	-11	1074.1	14.3	0.5	0.0	1088.4	6	
1A	60	47301	-10	16	0	-1	2	927.5	2.6	0.8	0.0	930.1	6	
1E	60	51739	-10	16	0	-1	2	1014.5	2.6	0.8	0.0	1017.1	6	
1I	60	48195	-2	21	0	0	2	945.0	2.0	1.1	0.0	947.0	6	
1M	60	50845	-2	21	0	0	2	997.0	2.0	1.1	0.0	999.0	6	
2	60	70765	14	56	0	9	-12	1387.5	16.2	3.0	0.0	1403.8	6	
3	60	45150	9	35	0	6	-8	885.3	10.0	1.9	0.0	895.3	6	
4	60	44710	8	36	0	5	-7	876.7	9.4	1.9	0.0	886.0	6	
5	60	45370	8	36	0	5	-7	889.6	9.3	2.0	0.0	898.9	6	
6	60	80645	13	19	0	1	-11	1581.3	11.7	1.0	0.0	1593.0	6	
7	60	52090	8	12	0	1	-7	1021.4	7.2	0.6	0.0	1028.6	6	
8	60	52035	7	13	0	0	-6	1020.3	6.5	0.7	0.0	1026.8	6	
9	60	53090	7	13	0	0	-6	1041.0	6.4	0.7	0.0	1047.3	6	
10	60	81310	15	57	0	8	-14	1594.3	17.4	3.0	0.0	1611.7	6	
11	60	51160	9	35	0	5	-8	1003.1	10.8	1.9	0.0	1013.9	6	
12	60	51230	9	36	0	5	-8	1004.5	10.1	1.9	0.0	1014.6	6	
13	60	51330	9	36	0	5	-8	1006.5	10.2	2.0	0.0	1016.6	6	
14	60	85105	13	19	0	1	-11	1668.7	11.7	1.0	0.0	1680.5	6	
15	60	54380	8	12	0	1	-7	1066.3	7.3	0.6	0.0	1073.6	6	
16	60	54730	7	13	0	0	-6	1073.1	6.5	0.7	0.0	1079.7	6	
17	60	54800	7	13	0	0	-6	1074.5	6.7	0.7	0.0	1081.2	6	
1A	121	47321	-12	17	0	-11	-5	927.9	13.4	0.9	0.0	941.3	1	
1E	121	51759	-12	17	0	-11	-5	1014.9	13.4	0.9	0.0	1028.3	1	
1I	121	48215	-3	22	0	-13	1	945.4	13.1	1.2	0.0	958.5	1	
1M	121	50865	-3	22	0	-13	1	997.3	13.1	1.2	0.0	1010.4	1	
2	121	70800	11	75	0	-31	-5	1388.2	33.5	4.0	0.0	1421.7	1	
3	121	45170	7	47	0	-19	-3	885.7	20.8	2.5	0.0	906.5	1	
4	121	44730	7	48	0	-20	-3	877.1	21.4	2.6	0.0	898.4	1	
5	121	45390	7	48	0	-20	-3	890.0	21.7	2.6	0.0	911.7	1	
6	121	80680	10	25	0	-12	-4	1582.0	14.2	1.4	0.0	1596.2	1	
7	121	52110	6	16	0	-8	-3	1021.8	8.8	0.9	0.0	1030.6	1	
8	121	52060	6	17	0	-8	-2	1020.8	9.5	0.9	0.0	1030.3	1	
9	121	53110	6	17	0	-9	-2	1041.4	10.0	0.9	0.0	1051.4	1	
10	121	81340	12	75	0	-31	-5	1594.9	34.0	4.1	0.0	1628.9	1	
11	121	51180	8	47	0	-20	-3	1003.5	21.2	2.5	0.0	1024.7	1	
12	121	51250	7	48	0	-20	-3	1004.9	21.8	2.6	0.0	1026.7	1	
13	121	51350	7	48	0	-20	-3	1006.9	22.1	2.6	0.0	1028.9	1	
14	121	85140	10	26	0	-12	-4	1669.4	14.2	1.4	0.0	1683.6	1	
15	121	54400	6	16	0	-8	-3	1066.7	8.8	0.9	0.0	1075.5	1	
16	121	54750	6	17	0	-8	-2	1073.5	9.5	0.9	0.0	1083.0	1	
17	121	54820	6	17	0	-9	-2	1074.9	9.9	0.9	0.0	1084.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	47321	4	3	42	27	27	1.00	1.00	935.8	
1E	51759	4	3	42	27	27	1.00	1.00	1022.8	
1I	48215	5	1	42	27	27	1.00	1.00	951.9	
1M	50865	5	1	42	27	27	1.00	1.00	1003.8	
2	70800	15	15	42	27	27	1.00	1.00	1418.3	
3	45170	9	9	42	27	27	1.00	1.00	904.3	
4	44730	9	9	42	27	27	1.00	1.00	895.2	
5	45390	9	9	42	27	27	1.00	1.00	908.1	
6	80680	5	13	42	27	27	1.00	1.00	1600.5	
7	52110	3	8	42	27	27	1.00	1.00	1033.1	
8	52060	3	8	42	27	27	1.00	1.00	1031.9	
9	53110	4	8	42	27	27	1.00	1.00	1052.6	
10	81340	15	16	42	27	27	1.00	1.00	1626.3	
11	51180	9	10	42	27	27	1.00	1.00	1023.1	
12	51250	9	9	42	27	27	1.00	1.00	1023.8	
13	51350	9	9	42	27	27	1.00	1.00	1026.0	
14	85140	5	13	42	27	27	1.00	1.00	1688.0	
15	54400	3	8	42	27	27	1.00	1.00	1078.1	
16	54750	3	8	42	27	27	1.00	1.00	1084.6	
17	54820	3	8	42	27	27	1.00	1.00	1086.3	

ASTA NUM. 9 NI 21 NF 9 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	-2.9438	-2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	38883	-16	-0	0	3	9	762.4	9.8	0.9	0.0	772.2	6	
1E	0	43797	-16	-0	0	3	9	858.8	9.8	0.9	0.0	868.6	6	
1I	0	39955	-3	8	0	4	-1	783.4	3.9	0.4	0.0	787.3	1	
1M	0	42725	-3	8	0	4	-1	837.7	3.9	0.4	0.0	841.6	1	
2	0	59370	52	-65	0	-20	-43	1164.1	52.1	3.5	0.0	1216.2	6	
3	0	29860	31	-41	0	-13	-26	585.5	31.5	2.2	0.0	617.0	6	
4	0	26690	30	-42	0	-13	-25	523.3	30.8	2.3	0.0	554.1	6	
5	0	25940	29	-42	0	-13	-24	508.6	29.8	2.2	0.0	538.4	6	
6	0	69230	48	-21	0	-7	-40	1357.5	44.0	2.6	0.0	1401.4	6	
7	0	32240	28	-14	0	-5	-24	632.2	26.2	1.5	0.0	658.4	6	
8	0	31300	27	-14	0	-6	-23	613.7	25.8	1.5	0.0	639.5	6	
9	0	30610	25	-14	0	-6	-22	600.2	24.4	1.4	0.0	624.6	6	
10	0	70050	58	-65	0	-20	-48	1373.5	56.4	3.5	0.0	1430.0	6	
11	0	35970	35	-41	0	-13	-29	705.3	34.5	2.2	0.0	739.8	6	
12	0	33120	33	-42	0	-13	-28	649.4	33.5	2.2	0.0	682.9	6	
13	0	31820	32	-42	0	-14	-27	623.9	32.9	2.2	0.0	656.8	6	
14	0	73580	48	-21	0	-7	-41	1442.7	44.4	2.6	0.0	1487.2	6	
15	0	34480	28	-14	0	-5	-24	676.1	26.6	1.5	0.0	702.6	6	
16	0	33670	27	-14	0	-6	-23	660.2	25.9	1.5	0.0	686.1	6	
17	0	32010	26	-14	0	-6	-22	627.6	25.1	1.4	0.0	652.8	6	
1A	60	38908	-14	1	0	6	-1	762.9	6.0	0.8	0.0	768.8	1	
1E	60	43822	-14	1	0	6	-1	859.3	6.0	0.8	0.0	865.2	1	
1I	60	39980	-1	10	0	-3	-2	783.9	3.4	0.5	0.0	787.3	1	
1M	60	42750	-1	10	0	-3	-2	838.2	3.4	0.5	0.0	841.6	1	
2	60	59400	55	-47	0	14	-11	1164.7	19.0	2.9	0.0	1183.7	1	
3	60	29880	33	-30	0	9	-7	585.9	11.5	1.8	0.0	597.4	1	
4	60	26710	31	-30	0	8	-6	523.7	11.0	1.7	0.0	534.7	1	
5	60	25960	30	-30	0	8	-6	509.0	10.9	1.6	0.0	519.9	1	
6	60	69260	51	-14	0	3	-11	1358.0	12.2	2.7	0.0	1370.2	6	

7	60	32260	30	-10	0	2	-6	632.5	7.1	1.6	0.0	639.7	6
8	60	31320	29	-10	0	1	-6	614.1	6.8	1.5	0.0	620.9	6
9	60	30630	27	-10	0	1	-6	600.6	6.5	1.4	0.0	607.0	6
10	60	70085	60	-47	0	14	-12	1374.2	19.4	3.2	0.0	1393.7	1
11	60	35990	36	-30	0	9	-7	705.7	11.8	2.0	0.0	717.5	1
12	60	33140	35	-30	0	8	-7	649.8	11.3	1.9	0.0	661.1	1
13	60	31840	34	-30	0	8	-7	624.3	11.2	1.8	0.0	635.5	1
14	60	73615	51	-15	0	4	-11	1443.4	12.4	2.7	0.0	1455.9	6
15	60	34500	30	-10	0	2	-6	676.5	7.3	1.6	0.0	683.7	6
16	60	33690	29	-10	0	1	-6	660.6	6.9	1.5	0.0	667.5	6
17	60	32030	28	-10	0	1	-6	628.0	6.7	1.5	0.0	634.7	6
1A	121	38933	-12	3	0	7	-9	763.4	11.8	0.7	0.0	775.2	6
1E	121	43847	-12	3	0	7	-9	859.8	11.8	0.7	0.0	871.5	6
1I	121	40005	1	11	0	-10	-2	784.4	10.8	0.6	0.0	795.2	1
1M	121	42775	1	11	0	-10	-2	838.7	10.8	0.6	0.0	849.5	1
2	121	59430	57	-28	0	37	23	1165.3	46.8	3.1	0.0	1212.0	1
3	121	29900	34	-18	0	23	14	586.3	28.9	1.8	0.0	615.2	1
4	121	26730	33	-18	0	23	13	524.1	28.6	1.8	0.0	552.7	1
5	121	25980	32	-18	0	23	12	509.4	28.3	1.7	0.0	537.7	1
6	121	69290	53	-8	0	10	21	1358.6	25.1	2.9	0.0	1383.7	6
7	121	32280	31	-5	0	6	12	632.9	14.8	1.7	0.0	647.7	6
8	121	31340	30	-6	0	6	12	614.5	14.3	1.6	0.0	628.8	6
9	121	30650	28	-6	0	6	11	601.0	13.4	1.5	0.0	614.4	6
10	121	70120	62	-28	0	37	25	1374.9	47.5	3.4	0.0	1422.4	1
11	121	36010	38	-18	0	23	15	706.1	29.4	2.0	0.0	735.5	1
12	121	33160	36	-18	0	23	14	650.2	29.1	1.9	0.0	679.3	1
13	121	31860	35	-18	0	23	14	624.7	28.9	1.9	0.0	653.6	1
14	121	73650	54	-8	0	10	21	1444.1	25.4	2.9	0.0	1469.5	6
15	121	34520	32	-5	0	6	12	676.9	14.9	1.7	0.0	691.7	6
16	121	33710	30	-6	0	6	12	661.0	14.3	1.6	0.0	675.3	6
17	121	32050	29	-6	0	6	11	628.4	13.8	1.6	0.0	642.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	38933	6	3	42	27	27	1.00	1.00	772.5	
1E	43847	6	3	42	27	27	1.00	1.00	868.9	
1I	40005	5	1	42	27	27	1.00	1.00	790.3	
1M	42775	5	1	42	27	27	1.00	1.00	844.6	
2	59430	15	17	42	27	27	1.00	1.00	1197.8	
3	29900	9	10	42	27	27	1.00	1.00	606.1	
4	26730	9	10	42	27	27	1.00	1.00	543.5	
5	25980	9	10	42	27	27	1.00	1.00	528.3	
6	69290	4	16	42	27	27	1.00	1.00	1379.1	
7	32280	3	9	42	27	27	1.00	1.00	645.1	
8	31340	2	9	42	27	27	1.00	1.00	626.3	
9	30650	2	9	42	27	27	1.00	1.00	612.2	
10	70120	15	19	42	27	27	1.00	1.00	1409.1	
11	36010	9	12	42	27	27	1.00	1.00	727.0	
12	33160	9	11	42	27	27	1.00	1.00	670.6	
13	31860	9	11	42	27	27	1.00	1.00	644.8	
14	73650	4	16	42	27	27	1.00	1.00	1464.9	
15	34520	3	10	42	27	27	1.00	1.00	689.2	
16	33710	2	9	42	27	27	1.00	1.00	672.8	
17	32050	2	9	42	27	27	1.00	1.00	640.0	

ASTA NUM. 10 NI 25 NF 13 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	-2.9438	-2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	37976	-9	1	0	4	5	744.6	6.5	0.5	0.0	751.2	6	
1E	0	39604	-9	1	0	4	5	776.5	6.5	0.5	0.0	783.1	6	
1I	0	38077	-9	7	0	5	5	746.6	7.7	0.5	0.0	754.3	1	
1M	0	39503	-9	7	0	5	5	774.6	7.7	0.5	0.0	782.2	1	
2	0	54910	-8	-60	0	-29	4	1076.7	31.5	3.2	0.0	1108.2	1	
3	0	27410	-5	-37	0	-18	2	537.5	19.2	2.0	0.0	556.6	1	
4	0	25690	-5	-37	0	-17	2	503.7	18.5	2.0	0.0	522.2	1	
5	0	24400	-4	-37	0	-17	2	478.4	18.4	2.0	0.0	496.9	1	
6	0	64720	-7	-20	0	-11	4	1269.0	12.7	1.1	0.0	1281.7	1	
7	0	29900	-4	-12	0	-6	2	586.3	7.1	0.7	0.0	593.4	1	
8	0	30620	-4	-11	0	-6	2	600.4	6.4	0.6	0.0	606.8	1	
9	0	29290	-4	-12	0	-6	2	574.3	6.4	0.6	0.0	580.7	1	
10	0	65130	-9	-60	0	-30	5	1277.1	32.1	3.2	0.0	1309.1	1	
11	0	33170	-5	-37	0	-18	3	650.4	19.5	2.0	0.0	669.9	1	
12	0	31800	-5	-37	0	-18	3	623.5	18.9	2.0	0.0	642.4	1	
13	0	29870	-5	-37	0	-18	3	585.7	18.8	2.0	0.0	604.5	1	
14	0	69160	-7	-20	0	-11	4	1356.1	12.6	1.1	0.0	1368.7	1	
15	0	32130	-4	-12	0	-6	2	630.0	7.1	0.6	0.0	637.1	1	
16	0	32980	-4	-11	0	-6	2	646.7	6.5	0.6	0.0	653.1	1	
17	0	30530	-4	-12	0	-6	2	598.6	6.3	0.6	0.0	604.9	1	
1A	48	37991	-7	3	0	4	1	744.9	4.4	0.4	0.0	749.3	1	
1E	48	39619	-7	3	0	4	1	776.8	4.4	0.4	0.0	781.2	1	
1I	48	38092	-8	9	0	1	1	746.9	1.5	0.5	0.0	748.4	6	
1M	48	39518	-8	9	0	1	1	774.9	1.5	0.5	0.0	776.3	6	
2	48	54935	-6	-45	0	-4	1	1077.2	4.8	2.4	0.0	1081.9	1	
3	48	27430	-4	-28	0	-2	0	537.8	2.6	1.5	0.0	540.4	1	
4	48	25705	-3	-27	0	-2	0	504.0	2.2	1.5	0.0	506.2	1	
5	48	24415	-3	-28	0	-2	0	478.7	2.1	1.5	0.0	480.8	1	
6	48	64750	-5	-14	0	-3	1	1269.6	3.2	0.8	0.0	1272.8	1	
7	48	29915	-3	-9	0	-1	0	586.6	1.4	0.5	0.0	587.9	1	
8	48	30640	-3	-8	0	-1	0	600.8	1.0	0.4	0.0	601.8	1	
9	48	29310	-2	-9	0	-1	0	574.7	0.9	0.5	0.0	575.6	1	
10	48	65160	-7	-45	0	-5	1	1277.6	5.1	2.4	0.0	1282.7	1	
11	48	33190	-4	-28	0	-3	1	650.8	2.8	1.5	0.0	653.6	1	
12	48	31815	-4	-28	0	-2	1	623.8	2.4	1.5	0.0	626.3	1	
13	48	29885	-4	-28	0	-2	0	586.0	2.3	1.5	0.0	588.2	1	
14	48	69190	-5	-15	0	-3	1	1356.7	3.1	0.8	0.0	1359.7	1	
15	48	32145	-3	-9	0	-1	0	630.3	1.3	0.5	0.0	631.6	1	
16	48	32995	-3	-8	0	-1	0	647.0	1.0	0.4	0.0	648.0	1	
17	48	30550	-2	-9	0	-1	0	599.0	0.8	0.5	0.0	599.8	1	
1A	96	38006	-6	4	0	3	-2	745.2	4.3	0.3	0.0	749.5	1	
1E	96	39634	-6	4	0	3	-2	777.1	4.3	0.3	0.0	781.4	1	
1I	96	38107	-7	10	0	-4	-2	747.2	5.2	0.5	0.0	752.4	1	
1M	96	39533	-7	10	0	-4	-2	775.2	5.2	0.5	0.0	780.4	1	
2	96	54960	-4	-30	0	14	-2	1077.6	14.5	1.6	0.0	1092.1	1	
3	96	27450	-2	-19	0	9	-1	538.2	9.3	1.0	0.0	547.6	1	
4	96	25720	-2	-18	0	9	-1	504.3	9.4	1.0	0.0	513.7	1	
5	96	24430	-2	-19	0	9	-1	479.0	9.6	1.0	0.0	488.7	1	
6	96	64780	-3	-9	0	3	-1	1270.2	3.4	0.5	0.0	1273.6	1	
7	96	29930	-2	-6	0	2	-1	586.9	2.6	0.3	0.0	589.4	1	
8	96	30660	-2	-5	0	2	-1	601.2	2.6	0.3	0.0	603.8	1	
9	96	29330	-1	-5	0	3	-1	575.1	2.8	0.3	0.0	577.9	1	
10	96	65190	-5	-30	0	13	-2	1278.2	14.3	1.6	0.0	1292.6	1	
11	96	33210	-3	-19	0	9	-1	651.2	9.3	1.0	0.0	660.5	1	
12	96	31830	-3	-18	0	9	-1	624.1	9.3	1.0	0.0	633.4	1	
13	96	29900	-3	-19	0	9	-1	586.3	9.6	1.0	0.0	595.9	1	
14	96	69220	-3	-9	0	3	-1	1357.3	3.5	0.5	0.0	1360.8	1	
15	96	32160	-2	-6	0	2	-1	630.6	2.6	0.3	0.0	633.2	1	
16	96	33010	-2	-5	0	2	-1	647.3	2.6	0.3	0.0	649.8	1	
17	96	30570	-1	-5	0	3	-1	599.4	2.9	0.3	0.0	602.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	38006	4	2	33	22	22	1.00	1.00	751.0	
1E	39634	4	2	33	22	22	1.00	1.00	782.9	
1I	38107	2	2	33	22	22	1.00	1.00	751.6	
1M	39533	2	2	33	22	22	1.00	1.00	779.5	
2	54960	12	2	33	22	22	1.00	1.00	1092.0	
3	27450	7	1	33	22	22	1.00	1.00	546.6	
4	25720	7	1	33	22	22	1.00	1.00	512.3	
5	24430	7	1	33	22	22	1.00	1.00	487.0	
6	64780	5	2	33	22	22	1.00	1.00	1277.6	
7	29930	3	1	33	22	22	1.00	1.00	590.6	
8	30660	2	1	33	22	22	1.00	1.00	604.5	
9	29330	2	1	33	22	22	1.00	1.00	578.2	
10	65190	12	2	33	22	22	1.00	1.00	1293.1	
11	33210	7	1	33	22	22	1.00	1.00	659.9	
12	31830	7	1	33	22	22	1.00	1.00	632.4	
13	29900	7	1	33	22	22	1.00	1.00	594.5	
14	69220	5	2	33	22	22	1.00	1.00	1364.5	
15	32160	3	1	33	22	22	1.00	1.00	634.3	
16	33010	2	1	33	22	22	1.00	1.00	650.6	
17	30570	2	1	33	22	22	1.00	1.00	602.5	

ASTA NUM. 11 NI 3 NF 22 Lungh. 150.8 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	-2.9439	-3.0662 daN/m

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

1A	0	-61238	-66	2	0	-2	92	1200.7	93.8	3.5	0.0	1294.5	6
1E	0	-59722	-66	2	0	-2	92	1171.0	93.8	3.5	0.0	1264.8	6
1I	0	-61614	-61	2	0	-1	114	1208.1	115.6	3.3	0.0	1323.7	6
1M	0	-59346	-61	2	0	-1	114	1163.6	115.6	3.3	0.0	1279.3	6
2	0	-85320	-61	-12	0	-6	125	1672.9	128.8	3.3	0.0	1801.8	6
3	0	-53710	-37	-8	0	-4	75	1053.1	77.6	2.0	0.0	1130.7	6
4	0	-52800	-35	-8	0	-3	70	1035.3	72.3	1.9	0.0	1107.6	6
5	0	-53860	-36	-9	0	-5	70	1056.1	72.9	1.9	0.0	1129.0	6
6	0	-97780	-57	-4	0	-6	115	1917.3	118.9	3.1	0.0	2036.2	6
7	0	-62250	-34	-3	0	-4	68	1220.6	70.8	1.9	0.0	1291.4	6
8	0	-61400	-32	-3	0	-3	64	1203.9	65.7	1.7	0.0	1269.6	6
9	0	-62930	-33	-4	0	-5	63	1233.9	66.0	1.8	0.0	1299.9	6
10	0	-90180	-67	-12	0	-7	136	1768.2	140.8	3.6	0.0	1909.1	6
11	0	-56600	-41	-8	0	-5	83	1109.8	85.9	2.2	0.0	1195.7	6
12	0	-56090	-38	-8	0	-3	77	1099.8	79.9	2.1	0.0	1179.7	6
13	0	-56680	-39	-9	0	-5	79	1111.4	81.7	2.1	0.0	1193.0	6
14	0	-93460	-57	-4	0	-6	115	1832.5	118.7	3.1	0.0	1951.2	6
15	0	-59340	-35	-3	0	-4	69	1163.5	71.3	1.9	0.0	1234.9	6
16	0	-59080	-32	-3	0	-3	64	1158.4	65.5	1.7	0.0	1223.9	6
17	0	-59770	-34	-4	0	-5	65	1172.0	67.8	1.8	0.0	1239.8	6
1A	75	-61208	-64	-0	0	1	39	1200.2	39.6	3.4	0.0	1239.8	6
1E	75	-59692	-64	-0	0	1	39	1170.4	39.6	3.4	0.0	1210.1	6
1I	75	-61584	-59	-0	0	2	77	1207.5	78.9	3.1	0.0	1286.5	6
1M	75	-59316	-59	-0	0	2	77	1163.1	78.9	3.1	0.0	1242.0	6
2	75	-85280	-58	5	0	-4	79	1672.2	82.1	3.1	0.0	1754.2	6
3	75	-53685	-35	3	0	-2	47	1052.6	49.0	1.9	0.0	1101.6	6
4	75	-52775	-33	3	0	-1	44	1034.8	45.6	1.8	0.0	1080.4	6
5	75	-53835	-34	2	0	-2	44	1055.6	45.3	1.8	0.0	1100.9	6
6	75	-97740	-54	-2	0	-4	73	1916.5	75.8	2.9	0.0	1992.2	6
7	75	-62225	-32	-2	0	-2	43	1220.1	44.4	1.7	0.0	1264.5	6
8	75	-61375	-30	-2	0	-1	40	1203.4	41.2	1.6	0.0	1244.7	6
9	75	-62900	-31	-3	0	-2	39	1233.3	40.6	1.7	0.0	1274.0	6
10	75	-90135	-63	5	0	-4	87	1767.4	90.2	3.4	0.0	1857.5	6
11	75	-56570	-39	3	0	-2	53	1109.2	54.6	2.1	0.0	1163.8	6
12	75	-56065	-36	3	0	-2	49	1099.3	50.7	2.0	0.0	1150.0	6
13	75	-56650	-37	2	0	-2	50	1110.8	51.2	2.0	0.0	1162.0	6
14	75	-93415	-54	-2	0	-4	73	1831.7	75.4	2.9	0.0	1907.0	6
15	75	-59315	-33	-2	0	-2	43	1163.0	44.8	1.8	0.0	1207.8	6
16	75	-59050	-30	-2	0	-1	40	1157.8	41.1	1.6	0.0	1199.0	6
17	75	-59745	-32	-3	0	-2	40	1171.5	41.8	1.7	0.0	1213.3	6
1A	151	-61178	-61	-3	0	6	-13	1199.6	15.3	3.3	0.0	1214.9	6
1E	151	-59662	-61	-3	0	6	-13	1169.8	15.3	3.3	0.0	1185.2	6
1I	151	-61554	-56	-2	0	6	42	1206.9	45.3	3.0	0.0	1252.3	6
1M	151	-59286	-56	-2	0	6	42	1162.5	45.3	3.0	0.0	1207.8	6
2	151	-85240	-55	22	0	-14	37	1671.4	43.1	3.0	0.0	1714.5	6
3	151	-53660	-33	13	0	-8	21	1052.2	25.2	1.8	0.0	1077.4	6
4	151	-52750	-31	14	0	-8	20	1034.3	23.7	1.7	0.0	1058.0	6
5	151	-53810	-32	12	0	-8	19	1055.1	22.6	1.7	0.0	1077.7	6
6	151	-97700	-51	0	0	-3	34	1915.7	35.6	2.7	0.0	1951.3	6
7	151	-62200	-31	-1	0	-1	19	1219.6	19.9	1.6	0.0	1239.5	6
8	151	-61350	-28	-1	0	-0	18	1202.9	18.6	1.5	0.0	1221.6	6
9	151	-62870	-29	-2	0	-0	17	1232.7	17.2	1.5	0.0	1249.9	6
10	151	-90090	-60	22	0	-15	41	1766.5	47.3	3.2	0.0	1813.8	6
11	151	-56540	-37	13	0	-9	24	1108.6	28.1	2.0	0.0	1136.7	6
12	151	-56040	-34	14	0	-8	23	1098.8	26.4	1.8	0.0	1125.2	6
13	151	-56620	-35	12	0	-8	22	1110.2	25.6	1.9	0.0	1135.8	6
14	151	-93370	-51	-0	0	-3	34	1830.8	35.2	2.7	0.0	1866.0	6
15	151	-59290	-31	-1	0	-1	19	1162.5	20.1	1.7	0.0	1182.6	6
16	151	-59020	-28	-0	0	-0	18	1157.3	18.6	1.5	0.0	1175.9	6
17	151	-59720	-30	-2	0	-0	17	1171.0	17.7	1.6	0.0	1188.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-61238	3	50	52	34	34	1.37	1.00	1702.1	
1E	-59722	3	50	52	34	34	1.37	1.00	1661.3	
1I	-61614	3	85	52	34	34	1.37	1.00	1751.3	
1M	-59346	3	85	52	34	34	1.37	1.00	1690.1	
2	-85320	11	89	52	34	34	1.37	1.00	2404.3	
3	-53710	7	53	52	34	34	1.37	1.00	1507.6	
4	-52800	6	50	52	34	34	1.37	1.00	1478.6	
5	-53860	7	50	52	34	34	1.37	1.00	1507.3	
6	-97780	5	83	52	34	34	1.37	1.00	2725.6	
7	-62250	3	49	52	34	34	1.37	1.00	1728.2	
8	-61400	2	46	52	34	34	1.37	1.00	1700.8	
9	-62930	3	45	52	34	34	1.37	1.00	1742.3	
10	-90180	11	98	52	34	34	1.37	1.00	2545.5	
11	-56600	7	60	52	34	34	1.37	1.00	1592.1	
12	-56090	6	56	52	34	34	1.37	1.00	1573.3	
13	-56680	7	56	52	34	34	1.37	1.00	1590.2	
14	-93460	5	82	52	34	34	1.37	1.00	2608.6	
15	-59340	3	49	52	34	34	1.37	1.00	1650.3	
16	-59080	2	45	52	34	34	1.37	1.00	1638.2	
17	-59770	3	46	52	34	34	1.37	1.00	1658.6	

ASTA NUM. 12 NI 16 NF 6 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	-2.9439	-3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-51875	-6	7	0	1	4	1017.2	4.1	0.4	0.0	1021.2	6	
1E	0	-49925	-6	7	0	1	4	978.9	4.1	0.4	0.0	983.0	6	
1I	0	-51631	-6	7	0	1	4	1012.4	4.4	0.4	0.0	1016.8	6	
1M	0	-50169	-6	7	0	1	4	983.7	4.4	0.4	0.0	988.1	6	
2	0	-69950	-7	12	0	9	4	1371.6	11.0	0.6	0.0	1382.6	1	
3	0	-43610	-5	7	0	6	2	855.1	6.9	0.4	0.0	862.0	1	
4	0	-43320	-5	7	0	6	2	849.4	6.6	0.4	0.0	856.0	1	
5	0	-43090	-5	7	0	6	2	844.9	6.8	0.4	0.0	851.7	1	
6	0	-82160	-7	3	0	-1	3	1611.0	3.9	0.4	0.0	1614.9	6	
7	0	-51590	-5	1	0	-0	2	1011.6	2.1	0.3	0.0	1013.7	6	
8	0	-51540	-5	1	0	-1	2	1010.6	2.2	0.3	0.0	1012.8	6	
9	0	-51540	-5	1	0	-1	2	1010.6	2.1	0.3	0.0	1012.7	6	
10	0	-73460	-8	12	0	9	4	1440.4	10.9	0.6	0.0	1451.3	1	
11	0	-45560	-5	7	0	6	2	893.3	6.8	0.4	0.0	900.2	1	
12	0	-45790	-5	7	0	6	2	897.8	6.5	0.4	0.0	904.4	1	
13	0	-44950	-5	7	0	6	2	881.4	6.7	0.4	0.0	888.1	1	
14	0	-77820	-7	3	0	-1	3	1525.9	4.0	0.4	0.0	1529.9	6	
15	0	-48600	-5	1	0	-0	2	952.9	2.1	0.3	0.0	955.1	6	
16	0	-49260	-5	1	0	-1	2	965.9	2.2	0.3	0.0	968.1	6	
17	0	-48170	-5	1	0	-1	2	944.5	2.1	0.3	0.0	946.6	6	
1A	48	-51855	-5	5	0	-2	1	1016.8	2.8	0.3	0.0	1019.6	1	
1E	48	-49905	-5	5	0	-2	1	978.5	2.8	0.3	0.0	981.4	1	
1I	48	-51611	-5	6	0	-2	1	1012.0	2.4	0.3	0.0	1014.4	1	
1M	48	-50149	-5	6	0	-2	1	983.3	2.4	0.3	0.0	985.7	1	
2	48	-69920	-5	23	0	1	1	1371.0	1.4	1.2	0.0	1372.4	1	
3	48	-43595	-4	14	0	1	0	854.8	1.0	0.7	0.0	855.8	1	
4	48	-43300	-4	14	0	1	-0	849.0	0.8	0.7	0.0	849.9	1	
5	48	-43075	-4	13	0	1	-0	844.6	1.2	0.7	0.0	845.8	1	
6	48	-82130	-5	4	0	-3	0	1610.4	2.9	0.3	0.0	1613.3	1	
7	48	-51575	-4	2	0	-1	-0	1011.3	1.4	0.2	0.0	1012.7	1	
8	48	-51525	-4	2	0	-2	-0	1010.3	1.7	0.2	0.0	1012.0	1	
9	48	-51525	-4	2	0	-1	-0	1010.3	1.4	0.2	0.0	1011.7	1	
10	48	-73430	-6	23	0	1	1	1439.8	1.2	1.2	0.0	1441.0	1	
11	48	-45540	-4	14	0	1	0	892.9	0.9	0.7	0.0	893.9	1	
12	48	-45775	-4	14	0	1	0	897.5	0.6	0.7	0.0	898.1	1	
13	48	-44930	-4	13	0	1	0	881.0	1.0	0.7	0.0	882.0	1	
14	48	-77790	-5	4	0	-3	0	1525.3	2.9	0.3	0.0	1528.2	1	
15	48	-48580	-4	2	0	-1	-0	952.5	1.3	0.2	0.0	953.9	1	
16	48	-49245	-4	2	0	-2	-0	965.6	1.8	0.2	0.0	967.4	1	
17	48	-48150	-4	1	0	-1	-0	944.1	1.2	0.2	0.0	945.3	1	
1A	96	-51835	-3	4	0	-4	-1	1016.4	4.7	0.2	0.0	1021.1	1	
1E	96	-49885	-3	4	0	-4	-1	978.1	4.7	0.2	0.0	982.9	1	
1I	96	-51591	-4	4	0	-4	-1	1011.6	4.6	0.2	0.0	1016.2	1	
1M	96	-50129	-4	4	0	-4	-1	982.9	4.6	0.2	0.0	987.5	1	
2	96	-69890	-3	33	0	-12	-1	1370.4	13.0	1.8	0.0	1383.4	1	
3	96	-43580	-2	21	0	-7	-1	854.5	7.9	1.1	0.0	862.4	1	
4	96	-43280	-3	20	0	-7	-2	848.6	8.1	1.1	0.0	856.7	1	
5	96	-43060	-3	20	0	-7	-2	844.3	7.7	1.1	0.0	852.0	1	
6	96	-82100	-3	5	0	-5	-2	1609.8	5.7	0.3	0.0	1615.5	1	
7	96	-51560	-3	3	0	-2	-2	1011.0	3.2	0.2	0.0	1014.2	1	
8	96	-51510	-3	3	0	-3	-2	1010.0	3.5	0.1	0.0	1013.5	1	
9	96	-51510	-3	2	0	-2	-2	1010.0	3.0	0.1	0.0	1013.0	1	
10	96	-73400	-4	34	0	-13	-1	1439.2	13.3	1.8	0.0	1452.5	1	
11	96	-45520	-3	21	0	-7	-1	892.5	8.0	1.1	0.0	900.6	1	
12	96	-45760	-3	21	0	-8	-2	897.3	8.4	1.1	0.0	905.6	1	
13	96	-44910	-3	20	0	-7	-2	880.6	7.7	1.1	0.0	888.3	1	
14	96	-77760	-3	5	0	-5	-2	1524.7	5.5	0.3	0.0	1530.2	1	
15	96	-48560	-3	3	0	-2	-2	952.2	3.1	0.1	0.0	955.3	1	
16	96	-49230	-3	3	0	-3	-2	965.3	3.6	0.1	0.0	968.9	1	
17	96	-48130	-3	2	0	-2	-2	943.7	2.7	0.1	0.0	946.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	-51875	2	2	33	22	22	1.13	1.00	1154.0
1E	-49925	2	2	33	22	22	1.13	1.00	1110.8
1I	-51631	2	2	33	22	22	1.13	1.00	1148.2
1M	-50169	2	2	33	22	22	1.13	1.00	1115.8
2	-69950	5	2	33	22	22	1.13	1.00	1556.7
3	-43610	3	1	33	22	22	1.13	1.00	970.1
4	-43320	3	1	33	22	22	1.13	1.00	963.7
5	-43090	3	1	33	22	22	1.13	1.00	958.4
6	-82160	3	1	33	22	22	1.13	1.00	1825.4
7	-51590	2	1	33	22	22	1.13	1.00	1145.6
8	-51540	2	1	33	22	22	1.13	1.00	1144.8
9	-51540	2	1	33	22	22	1.13	1.00	1144.4
10	-73460	5	2	33	22	22	1.13	1.00	1634.8
11	-45560	3	1	33	22	22	1.13	1.00	1013.5
12	-45790	3	1	33	22	22	1.13	1.00	1018.6
13	-44950	3	1	33	22	22	1.13	1.00	999.8
14	-77820	3	1	33	22	22	1.13	1.00	1729.3
15	-48600	2	1	33	22	22	1.13	1.00	1079.3
16	-49260	2	1	33	22	22	1.13	1.00	1094.3
17	-48170	1	1	33	22	22	1.13	1.00	1069.5

ASTA NUM. 13 NI 4 NF 19 Lungh. 150.8 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	2.9439	3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-54589	2	3	0	-2	-42	1070.4	43.1	0.1	0.0	1113.5	6	
1E	0	-53071	2	3	0	-2	-42	1040.6	43.1	0.1	0.0	1083.7	6	
1I	0	-54966	7	3	0	-1	-20	1077.8	20.5	0.4	0.0	1098.3	6	
1M	0	-52694	7	3	0	-1	-20	1033.2	20.5	0.4	0.0	1053.7	6	
2	0	-76160	61	-10	0	-6	-124	1493.3	128.0	3.3	0.0	1621.3	6	
3	0	-40450	36	-6	0	-3	-73	793.1	75.6	1.9	0.0	868.7	6	
4	0	-36970	35	-6	0	-4	-70	724.9	72.6	1.9	0.0	797.5	6	
5	0	-37250	32	-4	0	-2	-67	730.4	68.7	1.7	0.0	799.1	6	
6	0	-88690	57	-3	0	-6	-115	1739.0	119.0	3.0	0.0	1858.1	6	
7	0	-44850	33	-1	0	-3	-67	879.4	68.6	1.8	0.0	948.0	6	
8	0	-43170	32	-1	0	-4	-64	846.5	66.6	1.7	0.0	913.1	6	
9	0	-43730	29	1	0	-2	-60	857.5	61.2	1.6	0.0	918.7	6	
10	0	-81290	66	-11	0	-7	-137	1593.9	141.0	3.6	0.0	1734.9	6	
11	0	-43510	40	-6	0	-3	-82	853.1	84.5	2.1	0.0	937.7	6	
12	0	-40240	38	-6	0	-4	-78	789.0	80.7	2.1	0.0	869.7	6	
13	0	-40040	37	-5	0	-3	-76	785.1	78.0	2.0	0.0	863.1	6	
14	0	-84370	57	-2	0	-6	-115	1654.3	118.7	3.1	0.0	1773.0	6	
15	0	-41940	33	-1	0	-2	-67	822.4	69.1	1.8	0.0	891.5	6	
16	0	-40530	32	-1	0	-4	-64	794.7	66.4	1.7	0.0	861.1	6	
17	0	-40250	30	1	0	-2	-62	789.2	63.1	1.6	0.0	852.3	6	
1A	75	-54559	-1	1	0	0	-46	1069.8	46.7	0.0	0.0	1116.5	6	
1E	75	-53041	-1	1	0	0	-46	1040.0	46.7	0.0	0.0	1086.7	6	
1I	75	-54936	4	1	0	1	-7	1077.2	8.0	0.2	0.0	1085.2	6	
1M	75	-52664	4	1	0	1	-7	1032.6	8.0	0.2	0.0	1040.6	6	
2	75	-76115	57	7	0	-4	-80	1492.5	82.4	3.1	0.0	1574.9	6	
3	75	-40420	34	5	0	-3	-47	792.5	48.9	1.8	0.0	841.5	6	
4	75	-36940	33	5	0	-3	-45	724.3	46.9	1.7	0.0	771.2	6	
5	75	-37220	30	6	0	-3	-43	729.8	45.0	1.6	0.0	774.8	6	
6	75	-88650	53	-1	0	-4	-74	1738.2	76.5	2.9	0.0	1814.7	6	
7	75	-44820	31	1	0	-2	-43	878.8	44.5	1.6	0.0	923.3	6	
8	75	-43145	30	0	0	-3	-41	846.0	43.0	1.6	0.0	889.0	6	
9	75	-43705	27	2	0	-3	-39	857.0	40.3	1.5	0.0	897.3	6	
10	75	-81245	63	6	0	-5	-88	1593.0	90.9	3.4	0.0	1683.9	6	
11	75	-43480	38	5	0	-3	-53	852.5	54.8	2.0	0.0	907.3	6	
12	75	-40210	36	5	0	-4	-50	788.4	52.2	1.9	0.0	840.6	6	
13	75	-40015	34	6	0	-3	-49	784.6	51.1	1.9	0.0	835.7	6	
14	75	-84325	54	-1	0	-4	-73	1653.4	76.1	2.9	0.0	1729.5	6	
15	75	-41915	31	1	0	-2	-43	821.9	44.8	1.7	0.0	866.7	6	
16	75	-40505	30	0	0	-3	-41	794.2	42.9	1.6	0.0	837.1	6	
17	75	-40225	28	2	0	-3	-40	788.7	41.5	1.5	0.0	830.2	6	
1A	151	-54529	-3	-2	0	4	-52	1069.2	54.1	0.2	0.0	1123.3	6	
1E	151	-53011	-3	-2	0	4	-52	1039.4	54.1	0.2	0.0	1093.6	6	
1I	151	-54906	2	-2	0	5	3	1076.6	6.4	0.1	0.0	1083.0	1	
1M	151	-52634	2	-2	0	5	3	1032.0	6.4	0.1	0.0	1038.4	1	
2	151	-76070	54	24	0	-16	-38	1491.6	44.7	2.9	0.0	1536.3	6	
3	151	-40390	32	16	0	-10	-23	792.0	27.2	1.7	0.0	819.1	6	
4	151	-36910	31	16	0	-11	-21	723.7	26.1	1.6	0.0	749.8	6	
5	151	-37190	28	17	0	-11	-21	729.2	26.2	1.5	0.0	755.4	6	
6	151	-88610	50	1	0	-5	-35	1737.5	36.9	2.7	0.0	1774.4	6	
7	151	-44790	29	2	0	-3	-21	878.2	22.2	1.5	0.0	900.5	6	
8	151	-43120	28	2	0	-4	-19	845.5	21.3	1.5	0.0	866.8	6	
9	151	-43680	25	3	0	-5	-19	856.5	21.3	1.3	0.0	877.8	6	
10	151	-81200	60	23	0	-16	-41	1592.2	48.7	3.2	0.0	1640.8	6	
11	151	-43450	36	15	0	-10	-25	852.0	29.9	1.9	0.0	881.9	6	
12	151	-40180	34	15	0	-11	-24	787.8	28.6	1.8	0.0	816.4	6	
13	151	-39990	32	17	0	-11	-24	784.1	29.0	1.7	0.0	813.2	6	
14	151	-84280	50	1	0	-5	-34	1652.5	36.5	2.7	0.0	1689.1	6	
15	151	-41890	29	2	0	-3	-21	821.4	22.4	1.6	0.0	843.7	6	
16	151	-40480	28	2	0	-4	-19	793.7	21.2	1.5	0.0	814.9	6	
17	151	-40200	26	3	0	-5	-20	788.2	21.8	1.4	0.0	810.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-54589	2	48	52	34	34	1.37	1.00	1519.8	
1E	-53071	2	48	52	34	34	1.37	1.00	1479.0	
1I	-54966	3	11	52	34	34	1.37	1.00	1490.7	
1M	-52694	3	11	52	34	34	1.37	1.00	1429.7	
2	-76160	12	89	52	34	34	1.37	1.00	2157.8	
3	-40450	7	53	52	34	34	1.37	1.00	1150.6	
4	-36970	8	51	52	34	34	1.37	1.00	1055.1	
5	-37250	8	49	52	34	34	1.37	1.00	1060.1	
6	-88690	5	83	52	34	34	1.37	1.00	2481.4	
7	-44850	3	48	52	34	34	1.37	1.00	1259.4	
8	-43170	4	46	52	34	34	1.37	1.00	1213.1	
9	-43730	3	44	52	34	34	1.37	1.00	1224.7	
10	-81290	12	98	52	34	34	1.37	1.00	2306.9	
11	-43510	8	59	52	34	34	1.37	1.00	1240.0	
12	-40240	8	56	52	34	34	1.37	1.00	1149.4	
13	-40040	8	55	52	34	34	1.37	1.00	1142.4	
14	-84370	5	83	52	34	34	1.37	1.00	2364.4	
15	-41940	3	49	52	34	34	1.37	1.00	1181.4	
16	-40530	4	46	52	34	34	1.37	1.00	1141.8	
17	-40250	3	45	52	34	34	1.37	1.00	1132.3	

ASTA NUM. 14 NI 1 NF 20 Lungh. 150.8 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	2.9439	2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	51912	-57	-1	0	-1	89	1017.9	91.1	3.1	0.0	1109.0	6	
1E	0	53428	-57	-1	0	-1	89	1047.6	91.1	3.1	0.0	1138.7	6	
1I	0	51534	-52	-1	0	-1	111	1010.5	113.0	2.8	0.0	1123.4	6	
1M	0	53806	-52	-1	0	-1	111	1055.0	113.0	2.8	0.0	1168.0	6	
2	0	75960	-48	-16	0	-5	121	1489.4	124.4	2.6	0.0	1613.8	6	
3	0	47820	-28	-10	0	-3	71	937.6	73.4	1.5	0.0	1011.1	6	
4	0	47430	-27	-11	0	-3	68	930.0	70.2	1.5	0.0	1000.2	6	
5	0	47220	-25	-10	0	-2	65	925.9	66.2	1.3	0.0	992.1	6	
6	0	86000	-44	-8	0	-5	112	1686.3	115.1	2.4	0.0	1801.4	6	
7	0	54610	-25	-5	0	-2	64	1070.8	66.2	1.3	0.0	1137.0	6	
8	0	54770	-24	-6	0	-3	62	1073.9	64.0	1.3	0.0	1138.0	6	
9	0	54720	-22	-5	0	-1	57	1072.9	58.5	1.2	0.0	1131.5	6	
10	0	87240	-54	-16	0	-6	134	1710.6	137.8	2.9	0.0	1848.4	6	
11	0	54360	-32	-10	0	-3	80	1065.9	82.6	1.7	0.0	1148.5	6	
12	0	54420	-31	-11	0	-4	76	1067.1	78.6	1.7	0.0	1145.7	6	
13	0	53730	-29	-10	0	-2	74	1053.5	75.8	1.6	0.0	1129.3	6	
14	0	90320	-44	-8	0	-5	112	1771.0	115.5	2.4	0.0	1886.4	6	
15	0	56880	-25	-5	0	-2	65	1115.3	67.2	1.4	0.0	1182.5	6	
16	0	57410	-25	-6	0	-3	62	1125.7	64.2	1.3	0.0	1189.9	6	
17	0	56500	-23	-5	0	-1	60	1107.8	60.8	1.2	0.0	1168.7	6	
1A	75	51942	-59	1	0	2	41	1018.5	42.7	3.2	0.0	1061.2	6	
1E	75	53458	-59	1	0	2	41	1048.2	42.7	3.2	0.0	1091.0	6	
1I	75	51564	-54	1	0	3	80	1011.1	82.1	2.9	0.0	1093.1	6	
1M	75	53836	-54	1	0	3	80	1055.6	82.1	2.9	0.0	1137.7	6	
2	75	76000	-51	8	0	-2	83	1490.2	85.1	2.8	0.0	1575.3	6	
3	75	47845	-30	5	0	-1	49	938.1	50.4	1.6	0.0	988.6	6	
4	75	47460	-29	4	0	-1	47	930.6	47.8	1.6	0.0	978.4	6	
5	75	47245	-27	5	0	0	45	926.4	45.9	1.4	0.0	972.2	6	
6	75	86040	-47	-0	0	-2	77	1687.1	79.0	2.5	0.0	1766.0	6	
7	75	54635	-27	0	0	-1	45	1071.3	45.7	1.5	0.0	1116.9	6	
8	75	54795	-26	-1	0	-1	43	1074.4	43.6	1.4	0.0	1118.0	6	
9	75	54745	-23	0	0	1	40	1073.4	41.2	1.3	0.0	1114.6	6	
10	75	87280	-57	7	0	-3	92	1711.4	93.9	3.1	0.0	1805.3	6	
11	75	54385	-34	5	0	-1	55	1066.4	56.4	1.8	0.0	1122.8	6	
12	75	54450	-33	4	0	-1	52	1067.6	53.3	1.8	0.0	1120.9	6	
13	75	53755	-31	5	0	-0	51	1054.0	52.0	1.7	0.0	1106.0	6	
14	75	90365	-47	-0	0	-2	77	1771.9	79.4	2.5	0.0	1851.3	6	

15	75	56905	-27	0	0	-1	45	1115.8	46.3	1.5	0.0	1162.1	6
16	75	57435	-26	-1	0	-1	43	1126.2	43.7	1.4	0.0	1169.9	6
17	75	56525	-24	0	0	1	42	1108.3	42.7	1.3	0.0	1151.0	6
1A	151	51972	-61	3	0	4	-8	1019.1	10.0	3.3	0.0	1029.1	6
1E	151	53488	-61	3	0	4	-8	1048.8	10.0	3.3	0.0	1058.8	6
1I	151	51594	-56	3	0	4	47	1011.6	49.2	3.0	0.0	1060.9	6
1M	151	53866	-56	3	0	4	47	1056.2	49.2	3.0	0.0	1105.4	6
2	151	76040	-54	31	0	-17	43	1491.0	51.0	2.9	0.0	1541.9	6
3	151	47870	-32	20	0	-10	26	938.6	30.6	1.7	0.0	969.2	6
4	151	47490	-31	19	0	-9	24	931.2	28.5	1.7	0.0	959.7	6
5	151	47270	-29	20	0	-9	24	926.9	28.4	1.5	0.0	955.3	6
6	151	86080	-50	8	0	-5	40	1687.8	43.0	2.7	0.0	1730.9	6
7	151	54660	-29	5	0	-3	24	1071.8	25.3	1.6	0.0	1097.0	6
8	151	54820	-28	4	0	-2	22	1074.9	23.2	1.5	0.0	1098.1	6
9	151	54770	-25	5	0	-2	22	1073.9	23.0	1.4	0.0	1096.9	6
10	151	87320	-60	30	0	-17	47	1712.2	55.1	3.2	0.0	1767.2	6
11	151	54410	-36	19	0	-10	29	1066.9	33.4	1.9	0.0	1100.3	6
12	151	54480	-35	18	0	-9	27	1068.2	31.1	1.9	0.0	1099.3	6
13	151	53780	-33	19	0	-9	27	1054.5	31.4	1.8	0.0	1085.9	6
14	151	90410	-50	8	0	-5	41	1772.7	43.5	2.7	0.0	1816.2	6
15	151	56930	-29	5	0	-3	24	1116.3	25.6	1.6	0.0	1141.9	6
16	151	57460	-28	4	0	-2	22	1126.7	23.3	1.5	0.0	1150.0	6
17	151	56550	-26	5	0	-2	23	1108.8	23.7	1.4	0.0	1132.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	51972	2	50	52	34	34	1.00	1.00	1071.8	
1E	53488	2	50	52	34	34	1.00	1.00	1101.5	
1I	51594	2	86	52	34	34	1.00	1.00	1100.8	
1M	53866	2	86	52	34	34	1.00	1.00	1145.3	
2	76040	12	90	52	34	34	1.00	1.00	1594.3	
3	47870	7	53	52	34	34	1.00	1.00	999.9	
4	47490	7	51	52	34	34	1.00	1.00	989.3	
5	47270	6	49	52	34	34	1.00	1.00	982.2	
6	86080	5	83	52	34	34	1.00	1.00	1777.3	
7	54660	3	48	52	34	34	1.00	1.00	1123.2	
8	54820	3	46	52	34	34	1.00	1.00	1124.2	
9	54770	1	43	52	34	34	1.00	1.00	1119.1	
10	87320	13	99	52	34	34	1.00	1.00	1825.3	
11	54410	7	60	52	34	34	1.00	1.00	1134.8	
12	54480	7	56	52	34	34	1.00	1.00	1132.5	
13	53780	6	55	52	34	34	1.00	1.00	1116.9	
14	90410	5	83	52	34	34	1.00	1.00	1862.7	
15	56930	3	49	52	34	34	1.00	1.00	1168.5	
16	57460	3	46	52	34	34	1.00	1.00	1176.1	
17	56550	1	45	52	34	34	1.00	1.00	1155.7	

ASTA NUM. 15 NI 2 NF 21 Lungh. 150.8 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	-2.9439	-2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	45262	-7	-0	0	-2	-39	887.5	40.6	0.4	0.0	928.1	6	
1E	0	46778	-7	-0	0	-2	-39	917.2	40.6	0.4	0.0	957.8	6	
1I	0	44886	-2	-0	0	-1	-17	880.1	17.9	0.1	0.0	898.1	6	
1M	0	47154	-2	-0	0	-1	-17	924.6	17.9	0.1	0.0	942.5	6	
2	0	67340	49	-15	0	-6	-122	1320.4	125.6	2.6	0.0	1446.0	6	
3	0	35680	29	-9	0	-4	-73	699.6	75.7	1.6	0.0	775.3	6	
4	0	31610	27	-8	0	-3	-68	619.8	70.5	1.4	0.0	690.3	6	
5	0	33200	27	-9	0	-5	-68	651.0	71.1	1.5	0.0	722.1	6	
6	0	76900	44	-7	0	-5	-112	1507.8	115.3	2.4	0.0	1623.2	6	
7	0	38420	26	-4	0	-4	-66	753.3	68.8	1.4	0.0	822.1	6	
8	0	36200	24	-3	0	-3	-62	709.8	63.8	1.3	0.0	773.6	6	
9	0	38390	24	-4	0	-5	-61	752.7	64.0	1.3	0.0	816.7	6	
10	0	78340	54	-15	0	-7	-134	1536.1	138.1	2.9	0.0	1674.1	6	
11	0	42040	33	-10	0	-4	-82	824.3	84.4	1.8	0.0	908.7	6	
12	0	38230	30	-9	0	-4	-76	749.6	78.3	1.6	0.0	827.9	6	
13	0	39330	31	-10	0	-5	-77	771.2	80.1	1.7	0.0	851.3	6	
14	0	81220	44	-7	0	-6	-112	1592.5	115.7	2.4	0.0	1708.2	6	
15	0	40690	27	-4	0	-4	-67	797.8	69.8	1.4	0.0	867.7	6	
16	0	38530	24	-3	0	-3	-62	755.5	64.0	1.3	0.0	819.5	6	
17	0	39860	25	-5	0	-5	-63	781.6	66.3	1.4	0.0	847.9	6	
1A	75	45292	-5	2	0	1	-49	888.1	49.7	0.3	0.0	937.8	6	
1E	75	46808	-5	2	0	1	-49	917.8	49.7	0.3	0.0	967.5	6	
1I	75	44916	-0	2	0	2	-10	880.7	11.1	0.1	0.0	891.8	6	
1M	75	47184	-0	2	0	2	-10	925.2	11.1	0.1	0.0	936.2	6	
2	75	67380	52	8	0	-4	-84	1321.2	86.1	2.8	0.0	1407.3	6	
3	75	35705	31	5	0	-3	-50	700.1	51.9	1.7	0.0	752.0	6	
4	75	31635	29	6	0	-3	-47	620.3	49.0	1.5	0.0	669.3	6	
5	75	33225	29	5	0	-3	-47	651.5	48.8	1.6	0.0	700.2	6	
6	75	76945	47	1	0	-3	-77	1508.7	79.5	2.5	0.0	1588.3	6	
7	75	38445	28	1	0	-3	-46	753.8	47.4	1.5	0.0	801.3	6	
8	75	36225	26	2	0	-2	-43	710.3	44.8	1.4	0.0	755.1	6	
9	75	38415	26	1	0	-3	-42	753.2	44.1	1.4	0.0	797.4	6	
10	75	78380	57	8	0	-4	-92	1536.9	94.5	3.1	0.0	1631.4	6	
11	75	42065	35	5	0	-3	-56	824.8	57.7	1.9	0.0	882.5	6	
12	75	38255	32	6	0	-3	-53	750.1	54.3	1.7	0.0	804.4	6	
13	75	39360	33	5	0	-3	-53	771.8	54.8	1.8	0.0	826.6	6	
14	75	81265	47	1	0	-3	-78	1593.4	80.0	2.5	0.0	1673.4	6	
15	75	40715	29	1	0	-3	-46	798.3	48.1	1.5	0.0	846.5	6	
16	75	38555	26	2	0	-2	-43	756.0	44.9	1.4	0.0	800.9	6	
17	75	39890	27	1	0	-3	-44	782.2	45.7	1.5	0.0	827.8	6	
1A	151	45322	-3	4	0	3	-56	888.7	57.8	0.2	0.0	946.4	6	
1E	151	46838	-3	4	0	3	-56	918.4	57.8	0.2	0.0	976.2	6	
1I	151	44946	2	4	0	3	-1	881.3	3.6	0.2	0.0	884.9	1	
1M	151	47214	2	4	0	3	-1	925.8	3.6	0.2	0.0	929.4	1	
2	151	67420	55	32	0	-19	-43	1322.0	51.7	2.9	0.0	1373.7	6	
3	151	35730	33	20	0	-12	-26	700.6	31.3	1.8	0.0	731.9	6	
4	151	31660	31	21	0	-13	-25	620.8	30.7	1.6	0.0	651.5	6	
5	151	33250	31	20	0	-13	-24	652.0	29.6	1.7	0.0	681.6	6	
6	151	76990	50	9	0	-7	-41	1509.6	44.0	2.7	0.0	1553.6	6	
7	151	38470	30	6	0	-5	-24	754.3	26.2	1.6	0.0	780.5	6	
8	151	36250	28	7	0	-6	-23	710.8	25.9	1.5	0.0	736.7	6	
9	151	38440	28	6	0	-6	-22	753.7	24.4	1.5	0.0	778.2	6	
10	151	78420	60	31	0	-19	-48	1537.6	56.0	3.2	0.0	1593.7	6	
11	151	42090	37	20	0	-12	-29	825.3	34.3	2.0	0.0	859.6	6	
12	151	38280	34	21	0	-13	-28	750.6	33.3	1.8	0.0	783.9	6	
13	151	39390	35	20	0	-13	-27	772.4	32.7	1.9	0.0	805.0	6	
14	151	81310	50	9	0	-7	-41	1594.3	44.4	2.7	0.0	1638.7	6	
15	151	40740	31	6	0	-5	-24	798.8	26.6	1.6	0.0	825.4	6	
16	151	38580	28	7	0	-6	-23	756.5	26.0	1.5	0.0	782.4	6	
17	151	39920	29	6	0	-6	-22	782.7	25.2	1.6	0.0	807.9	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	45322	1	49	52	34	34	1.00	1.00	939.7	
1E	46838	1	49	52	34	34	1.00	1.00	969.4	
1I	44946	2	11	52	34	34	1.00	1.00	894.0	
1M	47214	2	11	52	34	34	1.00	1.00	938.5	
2	67420	14	90	52	34	34	1.00	1.00	1427.1	
3	35730	9	54	52	34	34	1.00	1.00	764.5	
4	31660	9	51	52	34	34	1.00	1.00	681.5	
5	33250	10	51	52	34	34	1.00	1.00	712.9	
6	76990	6	83	52	34	34	1.00	1.00	1600.3	
7	38470	5	49	52	34	34	1.00	1.00	808.9	
8	36250	5	46	52	34	34	1.00	1.00	762.5	
9	38440	5	45	52	34	34	1.00	1.00	805.2	
10	78420	14	99	52	34	34	1.00	1.00	1652.1	
11	42090	9	60	52	34	34	1.00	1.00	895.6	
12	38280	9	57	52	34	34	1.00	1.00	817.1	
13	39390	10	57	52	34	34	1.00	1.00	839.9	
14	81310	6	84	52	34	34	1.00	1.00	1685.5	
15	40740	5	50	52	34	34	1.00	1.00	854.2	
16	38580	5	47	52	34	34	1.00	1.00	808.2	
17	39920	5	47	52	34	34	1.00	1.00	835.9	

ASTA NUM. 16 NI 22 NF 11 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	-2.9438	-3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-58917	-69	8	0	6	52	1155.2	55.0	3.7	0.0	1210.3	6	
1E	0	-54003	-69	8	0	6	52	1058.9	55.0	3.7	0.0	1113.9	6	
1I	0	-57845	-56	17	0	6	43	1134.2	46.1	3.0	0.0	1180.3	6	
1M	0	-55075	-56	17	0	6	43	1079.9	46.1	3.0	0.0	1126.0	6	
2	0	-78220	-48	-53	0	-16	37	1533.7	44.3	2.9	0.0	1578.1	6	
3	0	-48950	-28	-33	0	-9	22	959.8	26.0	1.8	0.0	985.8	6	

4	0	-49940	-27	-32	0	-8	21	979.2	24.5	1.7	0.0	1003.7	6
5	0	-48760	-25	-32	0	-8	20	956.1	23.5	1.7	0.0	979.6	6
6	0	-90950	-44	-9	0	-3	35	1783.3	36.5	2.3	0.0	1819.8	6
7	0	-57430	-25	-5	0	-1	20	1126.1	20.5	1.3	0.0	1146.6	6
8	0	-58940	-24	-4	0	-0	19	1155.7	19.3	1.3	0.0	1174.9	6
9	0	-57710	-22	-4	0	-0	17	1131.6	17.8	1.2	0.0	1149.4	6
10	0	-82720	-53	-53	0	-16	41	1622.0	48.5	2.9	0.0	1670.5	6
11	0	-51570	-32	-33	0	-9	25	1011.2	28.9	1.8	0.0	1040.1	6
12	0	-53000	-30	-32	0	-9	23	1039.2	27.2	1.7	0.0	1066.4	6
13	0	-51270	-29	-32	0	-9	23	1005.3	26.5	1.7	0.0	1031.8	6
14	0	-86600	-43	-8	0	-3	34	1698.0	36.0	2.3	0.0	1734.1	6
15	0	-54460	-25	-5	0	-1	20	1067.8	20.7	1.4	0.0	1088.5	6
16	0	-56580	-24	-4	0	-1	19	1109.4	19.2	1.3	0.0	1128.6	6
17	0	-54390	-23	-4	0	-0	18	1066.5	18.4	1.2	0.0	1084.8	6
1A	60	-58892	-67	7	0	4	11	1154.8	12.9	3.6	0.0	1167.7	6
1E	60	-53978	-67	7	0	4	11	1058.4	12.9	3.6	0.0	1071.3	6
1I	60	-57820	-54	15	0	-4	10	1133.7	11.7	2.9	0.0	1145.5	6
1M	60	-55050	-54	15	0	-4	10	1079.4	11.7	2.9	0.0	1091.2	6
2	60	-78185	-45	-39	0	12	9	1533.0	16.3	2.4	0.0	1549.4	1
3	60	-48930	-26	-24	0	8	5	959.4	10.4	1.4	0.0	969.8	1
4	60	-49920	-25	-24	0	8	5	978.8	10.7	1.3	0.0	989.5	1
5	60	-48740	-24	-24	0	8	5	955.7	10.6	1.3	0.0	966.3	1
6	60	-90920	-41	-7	0	1	9	1782.7	9.8	2.2	0.0	1792.5	6
7	60	-57405	-23	-4	0	1	5	1125.6	5.7	1.3	0.0	1131.3	6
8	60	-58920	-22	-3	0	2	5	1155.3	5.7	1.2	0.0	1161.0	6
9	60	-57690	-21	-3	0	2	5	1131.2	5.4	1.1	0.0	1136.5	6
10	60	-82685	-50	-39	0	12	10	1621.3	16.6	2.7	0.0	1637.9	1
11	60	-51550	-30	-24	0	8	6	1010.8	10.5	1.6	0.0	1021.3	1
12	60	-52980	-28	-24	0	8	6	1038.8	10.8	1.5	0.0	1049.7	1
13	60	-51250	-27	-24	0	8	6	1004.9	10.8	1.5	0.0	1015.7	1
14	60	-86565	-41	-7	0	1	9	1697.4	9.5	2.2	0.0	1706.9	6
15	60	-54440	-24	-4	0	1	5	1067.5	5.7	1.3	0.0	1073.1	6
16	60	-56555	-22	-3	0	2	5	1108.9	5.6	1.2	0.0	1114.5	6
17	60	-54365	-21	-3	0	2	5	1066.0	5.4	1.1	0.0	1071.4	6
1A	121	-58867	-65	5	0	4	-29	1154.3	30.9	3.5	0.0	1185.2	6
1E	121	-53953	-65	5	0	4	-29	1057.9	30.9	3.5	0.0	1088.8	6
1I	121	-57795	-52	13	0	-14	-22	1133.2	27.9	2.8	0.0	1161.1	6
1M	121	-55025	-52	13	0	-14	-22	1078.9	27.9	2.8	0.0	1106.8	6
2	121	-78150	-42	-26	0	32	-17	1532.4	39.3	2.3	0.0	1571.7	1
3	121	-48910	-25	-16	0	20	-10	959.0	24.4	1.3	0.0	983.5	1
4	121	-49900	-23	-15	0	20	-10	978.4	24.4	1.3	0.0	1002.8	1
5	121	-48720	-22	-15	0	20	-9	955.3	24.1	1.2	0.0	979.4	1
6	121	-90890	-39	-6	0	5	-15	1782.2	17.2	2.1	0.0	1799.4	6
7	121	-57380	-22	-3	0	3	-9	1125.1	10.1	1.2	0.0	1135.2	6
8	121	-58900	-21	-2	0	4	-8	1154.9	9.8	1.1	0.0	1164.7	6
9	121	-57670	-19	-2	0	4	-7	1130.8	8.9	1.0	0.0	1139.7	6
10	121	-82650	-48	-26	0	32	-19	1620.6	40.1	2.6	0.0	1660.7	1
11	121	-51530	-28	-16	0	20	-11	1010.4	25.0	1.5	0.0	1035.4	1
12	121	-52960	-27	-15	0	20	-11	1038.4	24.9	1.4	0.0	1063.3	1
13	121	-51230	-26	-15	0	20	-10	1004.5	24.7	1.4	0.0	1029.2	1
14	121	-86530	-38	-6	0	5	-15	1696.7	17.0	2.0	0.0	1713.6	6
15	121	-54420	-22	-3	0	3	-9	1067.1	10.3	1.2	0.0	1077.4	6
16	121	-56530	-21	-2	0	4	-8	1108.4	9.8	1.1	0.0	1118.2	6
17	121	-54340	-20	-2	0	3	-8	1065.5	9.3	1.1	0.0	1074.8	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-58917	5	21	42	27	27	1.23	1.00	1448.1	
1E	-54003	5	21	42	27	27	1.23	1.00	1329.5	
1I	-57845	6	17	42	27	27	1.23	1.00	1419.0	
1M	-55075	6	17	42	27	27	1.23	1.00	1352.2	
2	-78220	13	16	42	27	27	1.23	1.00	1917.0	
3	-48950	8	9	42	27	27	1.23	1.00	1198.9	
4	-49940	9	9	42	27	27	1.23	1.00	1222.7	
5	-48760	9	8	42	27	27	1.23	1.00	1193.8	
6	-90950	2	15	42	27	27	1.23	1.00	2211.8	
7	-57430	2	8	42	27	27	1.23	1.00	1395.5	
8	-58940	2	8	42	27	27	1.23	1.00	1432.0	
9	-57710	2	8	42	27	27	1.23	1.00	1401.8	
10	-82720	13	17	42	27	27	1.23	1.00	2027.2	
11	-51570	8	10	42	27	27	1.23	1.00	1263.2	
12	-53000	9	10	42	27	27	1.23	1.00	1297.4	
13	-51270	9	9	42	27	27	1.23	1.00	1255.4	
14	-86600	2	15	42	27	27	1.23	1.00	2106.5	
15	-54460	2	8	42	27	27	1.23	1.00	1323.9	
16	-56580	2	8	42	27	27	1.23	1.00	1374.9	
17	-54390	2	8	42	27	27	1.23	1.00	1321.8	

ASTA NUM. 17 NI 23 NF 15 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	2.9438	3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-47164	-11	10	0	7	7	924.8	10.6	0.6	0.0	935.4	6	
1E	0	-45536	-11	10	0	7	7	892.9	10.6	0.6	0.0	903.4	6	
1I	0	-47063	-11	16	0	9	8	922.8	12.1	0.9	0.0	934.9	1	
1M	0	-45637	-11	16	0	9	8	894.8	12.1	0.9	0.0	907.0	1	
2	0	-64550	-11	-48	0	-25	8	1265.7	28.6	2.6	0.0	1294.3	1	
3	0	-34880	-7	-30	0	-15	5	683.9	17.7	1.6	0.0	701.6	1	
4	0	-30680	-6	-29	0	-15	5	601.6	16.7	1.6	0.0	618.3	1	
5	0	-34330	-6	-29	0	-14	5	673.1	16.4	1.5	0.0	689.6	1	
6	0	-76180	-10	-7	0	-6	8	1493.7	10.3	0.5	0.0	1504.0	6	
7	0	-39520	-6	-4	0	-4	4	774.9	6.0	0.3	0.0	780.9	6	
8	0	-36480	-6	-4	0	-3	4	715.3	5.4	0.3	0.0	720.7	6	
9	0	-41300	-6	-3	0	-2	4	809.8	5.2	0.3	0.0	815.0	6	
10	0	-67550	-12	-48	0	-25	9	1324.5	29.1	2.6	0.0	1353.6	1	
11	0	-36500	-7	-30	0	-16	5	715.7	18.0	1.6	0.0	733.6	1	
12	0	-32610	-7	-29	0	-15	5	639.4	17.0	1.6	0.0	656.4	1	
13	0	-35630	-7	-29	0	-15	5	698.6	16.8	1.5	0.0	715.4	1	
14	0	-71740	-10	-7	0	-6	8	1406.7	10.4	0.5	0.0	1417.1	6	
15	0	-36460	-6	-4	0	-4	5	714.9	6.1	0.3	0.0	721.0	6	
16	0	-33770	-6	-4	0	-3	4	662.2	5.4	0.3	0.0	667.6	6	
17	0	-37480	-6	-3	0	-2	4	734.9	5.4	0.3	0.0	740.3	6	
1A	48	-47144	-12	9	0	4	2	924.4	4.6	0.7	0.0	929.0	1	
1E	48	-45516	-12	9	0	4	2	892.5	4.6	0.7	0.0	897.1	1	
1I	48	-47043	-13	15	0	1	2	922.4	2.4	0.8	0.0	924.8	6	
1M	48	-45617	-13	15	0	1	2	894.4	2.4	0.8	0.0	896.9	6	
2	48	-64525	-13	-37	0	-5	2	1265.2	5.9	2.0	0.0	1271.1	1	
3	48	-34860	-8	-23	0	-3	1	683.5	3.5	1.2	0.0	687.0	1	
4	48	-30660	-7	-23	0	-2	1	601.2	2.9	1.2	0.0	604.1	1	
5	48	-34315	-7	-22	0	-2	1	672.8	2.9	1.2	0.0	675.7	1	
6	48	-76150	-12	-6	0	-3	2	1493.1	4.1	0.6	0.0	1497.2	1	
7	48	-39505	-7	-4	0	-2	1	774.6	2.3	0.4	0.0	776.9	1	
8	48	-36465	-7	-3	0	-1	1	715.0	1.7	0.4	0.0	716.7	6	
9	48	-41280	-7	-2	0	-1	1	809.4	1.7	0.4	0.0	811.1	6	
10	48	-67520	-14	-37	0	-5	3	1323.9	6.1	2.0	0.0	1330.1	1	
11	48	-36480	-8	-23	0	-3	2	715.3	3.7	1.2	0.0	718.9	1	
12	48	-32590	-8	-23	0	-2	1	639.0	3.0	1.2	0.0	642.1	1	
13	48	-35610	-8	-22	0	-2	1	698.2	3.1	1.2	0.0	701.3	1	
14	48	-71710	-12	-6	0	-3	2	1406.1	4.2	0.7	0.0	1410.2	1	
15	48	-36445	-7	-4	0	-2	1	714.6	2.3	0.4	0.0	716.9	1	
16	48	-33755	-7	-3	0	-1	1	661.9	1.7	0.4	0.0	663.6	6	
17	48	-37465	-7	-2	0	-1	1	734.6	1.8	0.4	0.0	736.4	6	
1A	96	-47124	-14	7	0	1	-4	924.0	4.6	0.7	0.0	928.6	6	
1E	96	-45496	-14	7	0	1	-4	892.1	4.6	0.7	0.0	896.7	6	
1I	96	-47023	-14	13	0	-7	-4	922.0	8.4	0.8	0.0	930.4	1	
1M	96	-45597	-14	13	0	-7	-4	894.1	8.4	0.8	0.0	902.5	1	
2	96	-64500	-15	-26	0	10	-4	1264.7	12.1	1.4	0.0	1276.8	1	
3	96	-34840	-9	-16	0	6	-3	683.1	7.6	0.9	0.0	690.8	1	
4	96	-30640	-9	-16	0	7	-3	600.8	8.0	0.8	0.0	608.8	1	
5	96	-34300	-9	-15	0	6	-3	672.5	7.6	0.8	0.0	680.2	1	
6	96	-76120	-14	-5	0	-0	-4	1492.5	4.1	0.7	0.0	1496.6	6	
7	96	-39490	-8	-3	0	-0	-2	774.3	2.5	0.5	0.0	776.8	6	
8	96	-36450	-8	-2	0	0	-2	714.7	2.5	0.4	0.0	717.2	6	
9	96	-41260	-8	-1	0	-0	-2	809.0	2.4	0.4	0.0	811.5	6	
10	96	-67490	-16	-26	0	10	-4	1323.3	12.0	1.4	0.0	1335.3	1	
11	96	-36460	-10	-16	0	6	-3	714.9	7.6	0.9	0.0	722.5	1	
12	96	-32570	-9	-16	0	7	-3	638.6	7.9	0.8	0.0	646.6	1	
13	96	-35590	-9	-15	0	6	-3	697.8	7.6	0.8	0.0	705.5	1	
14	96	-71680	-14	-5	0	-1	-4	1405.5	4.2	0.8	0.0	1409.7	6	
15	96	-36430	-9	-3	0	-0	-2	714.3	2.5	0.5	0.0	716.8	6	
16	96	-33740	-8	-2	0	0	-2	661.6	2.5	0.4	0.0	664.0	6	
17	96	-37450	-8	-2	0	-0	-2	734.3	2.5	0.4	0.0	736.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-47164	5	3	33	22	22	1.13	1.00	1053.0	
1E	-45536	5	3	33	22	22	1.13	1.00	1016.9	
1I	-47063	4	3	33	22	22	1.13	1.00	1049.6	
1M	-45637	4	3	33	22	22	1.13	1.00	1018.0	
2	-64550	11	3	33	22	22	1.13	1.00	1445.0	
3	-34880	7	2	33	22	22	1.13	1.00	781.7	

4	-30680	6	2	33	22	22	1.13	1.00	687.9
5	-34330	6	2	33	22	22	1.13	1.00	768.7
6	-76180	4	3	33	22	22	1.13	1.00	1695.2
7	-39520	2	2	33	22	22	1.13	1.00	879.8
8	-36480	2	2	33	22	22	1.13	1.00	811.6
9	-41300	1	2	33	22	22	1.13	1.00	918.3
10	-67550	11	3	33	22	22	1.13	1.00	1511.9
11	-36500	7	2	33	22	22	1.13	1.00	817.9
12	-32610	6	2	33	22	22	1.13	1.00	730.9
13	-35630	6	2	33	22	22	1.13	1.00	797.9
14	-71740	4	3	33	22	22	1.13	1.00	1596.9
15	-36460	2	2	33	22	22	1.13	1.00	812.0
16	-33770	2	2	33	22	22	1.13	1.00	751.6
17	-37480	2	2	33	22	22	1.13	1.00	833.8

ASTA NUM. 18 NI 24 NF 14 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	2.9438	2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	44056	-1	1	0	3	1	863.8	3.5	0.0	0.0	867.3	1	
1E	0	45684	-1	1	0	3	1	895.8	3.5	0.0	0.0	899.2	1	
1I	0	44157	-1	7	0	5	1	865.8	5.1	0.4	0.0	870.9	1	
1M	0	45583	-1	7	0	5	1	893.8	5.1	0.4	0.0	898.9	1	
2	0	64010	8	-60	0	-30	-5	1255.1	32.7	3.2	0.0	1287.8	1	
3	0	41690	5	-38	0	-19	-3	817.5	20.3	2.0	0.0	837.8	1	
4	0	39910	4	-38	0	-20	-3	782.5	20.8	2.1	0.0	803.4	1	
5	0	42980	4	-38	0	-20	-3	842.7	21.2	2.1	0.0	863.9	1	
6	0	73090	7	-20	0	-12	-4	1433.1	13.7	1.1	0.0	1446.9	1	
7	0	48500	4	-12	0	-7	-3	951.0	8.5	0.7	0.0	959.5	1	
8	0	46550	4	-13	0	-8	-2	912.7	9.2	0.7	0.0	921.9	1	
9	0	50650	4	-13	0	-9	-2	993.1	9.6	0.7	0.0	1002.7	1	
10	0	73280	9	-61	0	-31	-5	1436.9	33.2	3.3	0.0	1470.1	1	
11	0	46860	6	-38	0	-19	-3	918.8	20.7	2.0	0.0	939.5	1	
12	0	45640	5	-38	0	-20	-3	894.9	21.2	2.1	0.0	916.1	1	
13	0	48090	5	-38	0	-20	-3	942.9	21.5	2.1	0.0	964.4	1	
14	0	77530	7	-21	0	-12	-4	1520.2	13.7	1.1	0.0	1533.9	1	
15	0	50720	4	-12	0	-7	-3	994.5	8.4	0.7	0.0	1003.0	1	
16	0	49260	4	-13	0	-8	-2	965.9	9.1	0.7	0.0	975.0	1	
17	0	52250	4	-13	0	-8	-2	1024.5	9.5	0.7	0.0	1034.0	1	
1A	48	44076	-2	2	0	3	-0	864.2	3.5	0.1	0.0	867.7	1	
1E	48	45704	-2	2	0	3	-0	896.2	3.5	0.1	0.0	899.6	1	
1I	48	44177	-3	8	0	0	0	866.2	0.5	0.4	0.0	866.7	1	
1M	48	45603	-3	8	0	0	0	894.2	0.5	0.4	0.0	894.6	1	
2	48	64040	6	-46	0	-5	-1	1255.7	5.6	2.5	0.0	1261.3	1	
3	48	41710	4	-28	0	-3	-1	817.8	3.5	1.5	0.0	821.4	1	
4	48	39925	3	-29	0	-4	-1	782.8	3.8	1.6	0.0	786.7	1	
5	48	42995	3	-29	0	-4	-1	843.0	4.2	1.6	0.0	847.2	1	
6	48	73115	5	-15	0	-3	-1	1433.6	4.0	0.8	0.0	1437.6	1	
7	48	48515	3	-9	0	-2	-1	951.3	2.6	0.5	0.0	953.8	1	
8	48	46565	3	-10	0	-3	-1	913.0	2.9	0.5	0.0	916.0	1	
9	48	50665	3	-10	0	-3	-1	993.4	3.4	0.5	0.0	996.8	1	
10	48	73305	7	-46	0	-5	-1	1437.4	5.9	2.5	0.0	1443.3	1	
11	48	46875	4	-28	0	-3	-1	919.1	3.7	1.5	0.0	922.8	1	
12	48	45655	4	-29	0	-4	-1	895.2	4.0	1.6	0.0	899.2	1	
13	48	48105	4	-29	0	-4	-1	943.2	4.3	1.6	0.0	947.6	1	
14	48	77555	5	-15	0	-3	-1	1520.7	3.9	0.8	0.0	1524.5	1	
15	48	50740	3	-9	0	-2	-1	994.9	2.5	0.5	0.0	997.4	1	
16	48	49275	3	-10	0	-3	-1	966.2	2.9	0.5	0.0	969.1	1	
17	48	52265	3	-10	0	-3	-1	1024.8	3.2	0.5	0.0	1028.0	1	
1A	96	44096	-4	4	0	3	-1	864.6	3.6	0.2	0.0	868.3	1	
1E	96	45724	-4	4	0	3	-1	896.5	3.6	0.2	0.0	900.2	1	
1I	96	44197	-4	9	0	-4	-2	866.6	5.2	0.5	0.0	871.8	1	
1M	96	45623	-4	9	0	-4	-2	894.6	5.2	0.5	0.0	899.7	1	
2	96	64070	4	-31	0	13	1	1256.3	13.9	1.7	0.0	1270.1	1	
3	96	41730	3	-19	0	8	1	818.2	8.5	1.0	0.0	826.7	1	
4	96	39940	2	-20	0	8	1	783.1	8.5	1.1	0.0	791.6	1	
5	96	43010	2	-20	0	8	1	843.3	8.1	1.1	0.0	851.4	1	
6	96	73140	3	-10	0	3	1	1434.1	2.9	0.5	0.0	1437.0	1	
7	96	48530	2	-6	0	1	0	951.6	1.6	0.3	0.0	953.2	1	
8	96	46580	1	-7	0	1	0	913.3	1.5	0.4	0.0	914.9	1	
9	96	50680	1	-7	0	1	0	993.7	1.1	0.4	0.0	994.8	1	
10	96	73330	5	-31	0	13	2	1437.8	13.8	1.7	0.0	1451.7	1	
11	96	46890	3	-19	0	8	1	919.4	8.5	1.0	0.0	927.9	1	
12	96	45670	3	-20	0	8	1	895.5	8.4	1.1	0.0	903.9	1	
13	96	48120	3	-20	0	8	1	943.5	8.1	1.1	0.0	951.7	1	
14	96	77580	3	-10	0	3	1	1521.2	3.0	0.5	0.0	1524.2	1	
15	96	50760	2	-6	0	1	0	995.3	1.6	0.3	0.0	996.9	1	
16	96	49290	1	-7	0	1	0	966.5	1.6	0.4	0.0	968.0	1	
17	96	52280	2	-7	0	1	0	1025.1	1.2	0.4	0.0	1026.3	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	44096	3	1	33	22	22	1.00	1.00	868.4	
1E	45724	3	1	33	22	22	1.00	1.00	900.3	
1I	44197	2	1	33	22	22	1.00	1.00	869.1	
1M	45623	2	1	33	22	22	1.00	1.00	897.1	
2	64070	13	2	33	22	22	1.00	1.00	1271.6	
3	41730	8	1	33	22	22	1.00	1.00	827.8	
4	39940	8	1	33	22	22	1.00	1.00	793.0	
5	43010	9	1	33	22	22	1.00	1.00	853.6	
6	73140	6	2	33	22	22	1.00	1.00	1442.4	
7	48530	4	1	33	22	22	1.00	1.00	956.8	
8	46580	4	1	33	22	22	1.00	1.00	919.0	
9	50680	5	1	33	22	22	1.00	1.00	999.8	
10	73330	13	2	33	22	22	1.00	1.00	1453.7	
11	46890	8	2	33	22	22	1.00	1.00	929.4	
12	45670	9	1	33	22	22	1.00	1.00	905.7	
13	48120	9	2	33	22	22	1.00	1.00	954.1	
14	77580	6	2	33	22	22	1.00	1.00	1529.4	
15	50760	4	1	33	22	22	1.00	1.00	1000.5	
16	49290	4	1	33	22	22	1.00	1.00	972.1	
17	52280	5	1	33	22	22	1.00	1.00	1031.1	

ASTA NUM. 19 NI 9 NF 25 Lungh. 120.7 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0979	0.0245	--	--	-2.9439	-2.8215 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	40381	-27	13	0	7	31	791.8	34.8	1.5	0.0	826.6	6	
1E	0	44819	-27	13	0	7	31	878.8	34.8	1.5	0.0	913.6	6	
1I	0	41276	-19	18	0	12	24	809.3	29.8	1.0	0.0	839.1	6	
1M	0	43924	-19	18	0	12	24	861.3	29.8	1.0	0.0	891.1	6	
2	0	61480	-16	37	0	37	21	1205.5	45.9	2.0	0.0	1251.4	1	
3	0	31840	-10	22	0	23	13	624.3	28.4	1.2	0.0	652.7	1	
4	0	28230	-10	22	0	23	12	553.5	28.1	1.2	0.0	581.6	1	
5	0	29150	-9	22	0	23	11	571.6	27.7	1.2	0.0	599.3	1	
6	0	71200	-15	11	0	10	19	1396.1	23.6	0.8	0.0	1419.6	6	
7	0	34500	-9	6	0	6	11	676.5	13.8	0.5	0.0	690.3	6	
8	0	32890	-9	6	0	6	11	644.9	13.4	0.5	0.0	658.3	6	
9	0	34280	-8	6	0	6	10	672.2	12.5	0.4	0.0	684.6	6	
10	0	72050	-17	37	0	37	23	1412.7	46.6	2.0	0.0	1459.4	1	
11	0	37860	-10	23	0	23	14	742.4	28.9	1.2	0.0	771.2	1	
12	0	34570	-10	22	0	23	13	677.8	28.5	1.2	0.0	706.4	1	
13	0	34930	-10	22	0	23	13	684.9	28.3	1.2	0.0	713.2	1	
14	0	75650	-15	11	0	10	19	1483.3	23.8	0.8	0.0	1507.1	6	
15	0	36790	-9	6	0	6	11	721.4	13.9	0.5	0.0	735.3	6	
16	0	35280	-9	6	0	6	11	691.8	13.4	0.5	0.0	705.1	6	
17	0	35690	-8	6	0	6	10	699.8	12.9	0.5	0.0	712.7	6	
1A	60	40406	-25	15	0	-1	15	792.3	15.3	1.4	0.0	807.5	6	
1E	60	44844	-25	15	0	-1	15	879.3	15.3	1.4	0.0	894.5	6	
1I	60	41301	-17	20	0	1	14	809.8	14.9	1.1	0.0	824.7	6	
1M	60	43949	-17	20	0	1	14	861.7	14.9	1.1	0.0	876.7	6	
2	60	61515	-14	55	0	9	12	1206.2	16.1	3.0	0.0	1222.3	6	
3	60	31860	-8	34	0	6	7	624.7	9.6	1.8	0.0	634.3	6	
4	60	28250	-8	34	0	6	7	553.9	9.4	1.8	0.0	563.3	6	
5	60	29170	-8	33	0	6	6	572.0	9.0	1.8	0.0	580.9	6	
6	60	71230	-12	18	0	1	11	1396.7	11.7	0.9	0.0	1408.3	6	
7	60	34520	-7	10	0	1	6	676.9	6.7	0.6	0.0	683.6	6	
8	60	32910	-7	10	0	1	6	645.3	6.6	0.5	0.0	651.9	6	
9	60	34300	-7	10	0	1	5	672.5	6.0	0.5	0.0	678.6	6	
10	60	72085	-15	55	0	9	13	1413.4	17.3	3.0	0.0	1430.7	6	
11	60	37880	-9	34	0	6	8	742.7	10.5	1.8	0.0	753.2	6	
12	60	34590	-9	34	0	6	8	678.2	10.1	1.8	0.0	688.4	6	
13	60	34950	-8	34	0	6	7	685.3	9.9	1.8	0.0	695.2	6	
14	60	75685	-13	18	0	2	11	1484.0	11.7	1.0	0.0	1495.7	6	
15	60	36810	-7	10	0	1	6	721.8	6.8	0.6	0.0	728.6	6	
16	60	35300	-7	10	0	1	6	692.2	6.6	0.5	0.0	698.7	6	
17	60	35710	-7	10	0	1	6	700.2	6.3	0.5	0.0	706.5	6	
1A	121	40431	-24	16	0	-10	-1	792.8	10.6	1.3	0.0	803.4	1	
1E	121	44869	-24	16	0	-10	-1	879.8	10.6	1.3	0.0	890.4	1	
1I	121	41326	-15	21	0	-12	5	810.3	14.1	1.2	0.0	824.4	1	
1M	121	43974	-15	21	0	-12	5	862.2	14.1	1.2	0.0	876.3	1	

2	121	61550	-11	74	0	-30	5	1206.9	32.3	4.0	0.0	1239.1	1
3	121	31880	-7	46	0	-18	3	625.1	19.6	2.5	0.0	644.7	1
4	121	28270	-7	45	0	-18	2	554.3	18.9	2.4	0.0	573.2	1
5	121	29190	-6	45	0	-18	2	572.4	18.8	2.4	0.0	591.2	1
6	121	71260	-10	24	0	-11	4	1397.3	13.1	1.3	0.0	1410.3	1
7	121	34540	-6	14	0	-6	2	677.3	7.3	0.8	0.0	684.6	1
8	121	32930	-6	14	0	-6	2	645.7	6.6	0.7	0.0	652.3	1
9	121	34320	-5	14	0	-6	2	672.9	6.5	0.7	0.0	679.5	1
10	121	72120	-12	74	0	-30	5	1414.1	32.8	4.0	0.0	1446.9	1
11	121	37900	-7	46	0	-18	3	743.1	20.0	2.5	0.0	763.1	1
12	121	34610	-7	45	0	-18	3	678.6	19.3	2.4	0.0	697.9	1
13	121	34970	-7	45	0	-18	3	685.7	19.2	2.4	0.0	704.9	1
14	121	75720	-10	25	0	-11	4	1484.7	13.1	1.3	0.0	1497.8	1
15	121	36830	-6	14	0	-6	2	722.2	7.3	0.8	0.0	729.4	1
16	121	35320	-6	14	0	-6	2	692.5	6.7	0.8	0.0	699.2	1
17	121	35730	-5	14	0	-6	2	700.6	6.5	0.7	0.0	707.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	40431	4	18	42	27	27	1.00	1.00	815.6	
1E	44869	4	18	42	27	27	1.00	1.00	902.6	
1I	41326	5	17	42	27	27	1.00	1.00	832.3	
1M	43974	5	17	42	27	27	1.00	1.00	884.2	
2	61550	15	15	42	27	27	1.00	1.00	1236.4	
3	31880	9	9	42	27	27	1.00	1.00	643.0	
4	28270	9	8	42	27	27	1.00	1.00	571.8	
5	29190	9	8	42	27	27	1.00	1.00	589.4	
6	71260	4	13	42	27	27	1.00	1.00	1415.1	
7	34540	3	8	42	27	27	1.00	1.00	687.5	
8	32930	2	7	42	27	27	1.00	1.00	655.5	
9	34320	2	7	42	27	27	1.00	1.00	682.1	
10	72120	15	16	42	27	27	1.00	1.00	1445.1	
11	37900	9	10	42	27	27	1.00	1.00	762.1	
12	34610	9	9	42	27	27	1.00	1.00	697.0	
13	34970	9	9	42	27	27	1.00	1.00	703.8	
14	75720	4	13	42	27	27	1.00	1.00	1502.6	
15	36830	3	8	42	27	27	1.00	1.00	732.4	
16	35320	2	7	42	27	27	1.00	1.00	702.4	
17	35730	2	7	42	27	27	1.00	1.00	710.0	

ASTA NUM. 20 NI 26 NF 16 Lungh. 95.5 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0979	-0.0245	--	--	-2.9438	-3.0662 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-53244	1	10	0	6	-2	1044.0	7.4	0.5	0.0	1051.4	1	
1E	0	-51616	1	10	0	6	-2	1012.1	7.4	0.5	0.0	1019.5	1	
1I	0	-53143	1	15	0	8	-2	1042.0	8.8	0.8	0.0	1050.8	1	
1M	0	-51717	1	15	0	8	-2	1014.1	8.8	0.8	0.0	1022.8	1	
2	0	-71740	11	-48	0	-26	-8	1406.7	29.8	2.6	0.0	1436.5	1	
3	0	-44310	6	-31	0	-16	-5	868.8	18.8	1.6	0.0	887.6	1	
4	0	-45100	6	-31	0	-17	-5	884.3	19.2	1.7	0.0	903.5	1	
5	0	-43240	6	-31	0	-17	-5	847.8	19.1	1.7	0.0	867.0	1	
6	0	-84540	10	-8	0	-7	-8	1657.6	11.0	0.5	0.0	1668.6	6	
7	0	-52450	6	-5	0	-5	-5	1028.4	6.9	0.3	0.0	1035.3	1	
8	0	-53830	6	-6	0	-5	-5	1055.5	7.4	0.3	0.0	1062.9	1	
9	0	-51800	5	-6	0	-5	-4	1015.7	7.3	0.3	0.0	1023.0	1	
10	0	-75690	12	-48	0	-26	-9	1484.1	30.4	2.6	0.0	1514.5	1	
11	0	-46530	7	-31	0	-17	-6	912.4	19.1	1.6	0.0	931.5	1	
12	0	-47840	7	-31	0	-17	-5	938.0	19.4	1.7	0.0	957.5	1	
13	0	-45350	7	-31	0	-17	-5	889.2	19.5	1.7	0.0	908.7	1	
14	0	-80110	10	-8	0	-7	-8	1570.8	11.1	0.6	0.0	1581.9	6	
15	0	-49390	6	-6	0	-5	-5	968.4	7.0	0.3	0.0	975.4	1	
16	0	-51480	6	-6	0	-5	-5	1009.4	7.4	0.3	0.0	1016.8	1	
17	0	-48330	6	-6	0	-6	-4	947.6	7.4	0.3	0.0	955.1	1	
1A	48	-53224	3	8	0	3	-1	1043.6	3.7	0.4	0.0	1047.3	1	
1E	48	-51596	3	8	0	3	-1	1011.7	3.7	0.4	0.0	1015.4	1	
1I	48	-53123	2	14	0	0	-1	1041.6	1.1	0.8	0.0	1042.8	6	
1M	48	-51697	2	14	0	0	-1	1013.7	1.1	0.8	0.0	1014.8	6	
2	48	-71710	13	-38	0	-5	-3	1406.1	6.6	2.0	0.0	1412.7	1	
3	48	-44295	8	-24	0	-3	-2	868.5	4.2	1.3	0.0	872.7	1	
4	48	-45080	8	-24	0	-4	-2	883.9	4.6	1.3	0.0	888.5	1	
5	48	-43225	7	-24	0	-4	-2	847.5	4.4	1.3	0.0	852.0	1	
6	48	-84515	12	-7	0	-4	-3	1657.2	4.9	0.7	0.0	1662.0	1	
7	48	-52435	7	-5	0	-2	-2	1028.1	3.2	0.4	0.0	1031.3	1	
8	48	-53815	7	-5	0	-3	-2	1055.2	3.6	0.4	0.0	1058.8	1	
9	48	-51785	7	-5	0	-3	-1	1015.4	3.4	0.4	0.0	1018.8	1	
10	48	-75660	14	-38	0	-6	-3	1483.5	7.0	2.0	0.0	1490.5	1	
11	48	-46515	8	-24	0	-4	-2	912.1	4.4	1.3	0.0	916.5	1	
12	48	-47825	8	-24	0	-4	-2	937.7	4.7	1.3	0.0	942.5	1	
13	48	-45335	8	-24	0	-4	-2	888.9	4.6	1.3	0.0	893.5	1	
14	48	-80080	12	-7	0	-4	-3	1570.2	5.0	0.7	0.0	1575.2	1	
15	48	-49370	7	-5	0	-2	-2	968.0	3.2	0.4	0.0	971.2	1	
16	48	-51460	7	-5	0	-3	-2	1009.0	3.6	0.4	0.0	1012.6	1	
17	48	-48310	7	-5	0	-3	-2	947.3	3.5	0.4	0.0	950.7	1	
1A	96	-53204	4	7	0	1	0	1043.2	0.8	0.4	0.0	1044.0	1	
1E	96	-51576	4	7	0	1	0	1011.3	0.8	0.4	0.0	1012.1	1	
1I	96	-53103	4	13	0	-7	0	1041.2	7.1	0.7	0.0	1048.3	1	
1M	96	-51677	4	13	0	-7	0	1013.3	7.1	0.7	0.0	1020.3	1	
2	96	-71680	15	-27	0	10	4	1405.5	11.7	1.4	0.0	1417.2	1	
3	96	-44280	9	-17	0	6	2	868.2	7.4	0.9	0.0	875.6	1	
4	96	-45060	9	-17	0	6	2	883.5	7.0	0.9	0.0	890.6	1	
5	96	-43210	8	-18	0	6	2	847.3	7.2	0.9	0.0	854.5	1	
6	96	-84490	14	-5	0	-1	4	1656.7	4.1	0.8	0.0	1660.8	6	
7	96	-52420	8	-4	0	-0	2	1027.8	2.2	0.5	0.0	1030.1	6	
8	96	-53800	8	-4	0	-1	2	1054.9	2.3	0.4	0.0	1057.2	6	
9	96	-51770	8	-4	0	-1	2	1015.1	2.2	0.4	0.0	1017.3	6	
10	96	-75630	16	-27	0	10	4	1482.9	11.6	1.4	0.0	1494.5	1	
11	96	-46500	10	-17	0	6	3	911.8	7.3	0.9	0.0	919.1	1	
12	96	-47810	9	-17	0	6	2	937.5	6.9	0.9	0.0	944.4	1	
13	96	-45320	9	-18	0	6	2	888.6	7.2	0.9	0.0	895.8	1	
14	96	-80050	15	-5	0	-1	4	1569.6	4.2	0.8	0.0	1573.9	6	
15	96	-49350	8	-4	0	-0	2	967.6	2.3	0.5	0.0	969.9	6	
16	96	-51440	8	-4	0	-1	2	1008.6	2.4	0.4	0.0	1011.0	6	
17	96	-48290	8	-5	0	-0	2	946.9	2.2	0.4	0.0	949.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-53244	4	1	33	22	22	1.13	1.00	1185.1	
1E	-51616	4	1	33	22	22	1.13	1.00	1149.0	
1I	-53143	3	1	33	22	22	1.13	1.00	1181.7	
1M	-51717	3	1	33	22	22	1.13	1.00	1150.1	
2	-71740	12	3	33	22	22	1.13	1.00	1605.3	
3	-44310	7	2	33	22	22	1.13	1.00	991.6	
4	-45100	8	2	33	22	22	1.13	1.00	1009.4	
5	-43240	8	2	33	22	22	1.13	1.00	968.0	
6	-84540	5	3	33	22	22	1.13	1.00	1881.5	
7	-52450	3	2	33	22	22	1.13	1.00	1167.4	
8	-53830	4	2	33	22	22	1.13	1.00	1198.5	
9	-51800	3	2	33	22	22	1.13	1.00	1153.2	
10	-75690	12	4	33	22	22	1.13	1.00	1693.4	
11	-46530	8	2	33	22	22	1.13	1.00	1041.1	
12	-47840	8	2	33	22	22	1.13	1.00	1070.4	
13	-45350	8	2	33	22	22	1.13	1.00	1015.1	
14	-80110	5	3	33	22	22	1.13	1.00	1783.4	
15	-49390	3	2	33	22	22	1.13	1.00	1099.7	
16	-51480	4	2	33	22	22	1.13	1.00	1146.4	
17	-48330	3	2	33	22	22	1.13	1.00	1076.4	

ASTA NUM. 21 NI 44 NF 1 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.1064	-0.0266	--	--	3.0685	2.9356 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	52519	28	-4	0	-4	-4	1029.8	5.5	1.5	0.0	1035.2	6	
1E	0	53761	28	-4	0	-4	-4	1054.1	5.5	1.5	0.0	1059.6	6	
1I	0	52056	16	-4	0	-4	-4	1020.7	5.5	0.9	0.0	1026.3	1	
1M	0	54224	16	-4	0	-4	-4	1063.2	5.5	0.9	0.0	1068.8	1	
2	0	76730	77	-28	0	-6	-6	1504.5	8.4	4.1	0.0	1512.9	1	
3	0	48630	46	-17	0	-4	-4	953.5	5.4	2.5	0.0	958.9	1	
4	0	48030	44	-18	0	-4	-4	941.8	5.1	2.3	0.0	946.9	1	
5	0	48640	43	-17	0	-4	-4	953.7	5.4	2.3	0.0	959.1	1	
6	0	86750	72	-13	0	-7	-7	1701.0	9.9	3.9	0.0	1710.9	1	
7	0	55590	43	-8	0	-5	-4	1090.0	6.5	2.3	0.0	1096.5	1	
8	0	55420	41	-8	0	-4	-4	1086.7	6.2	2.2	0.0	1092.9	1	
9	0	56390	40	-8	0	-5	-5	1105.7	6.6	2.1	0.0	1112.3	1	
10	0	87960	85	-29	0	-7	-7	1724.7	9.7	4.6	0.0	1734.4	1	
11	0	55130	52	-18	0	-4	-4	1081.0	6.1	2.8	0.0	1087.1	1	

12	0	54970	48	-18	0	-4	-4	1077.8	6.0	2.6	0.0	1083.8	1
13	0	55100	49	-18	0	-4	-4	1080.4	6.1	2.6	0.0	1086.5	1
14	0	91100	73	-14	0	-7	-7	1786.3	10.5	3.9	0.0	1796.8	1
15	0	57880	44	-8	0	-5	-5	1134.9	6.8	2.4	0.0	1141.7	1
16	0	58070	41	-9	0	-5	-5	1138.6	6.6	2.2	0.0	1145.2	1
17	0	58180	41	-8	0	-5	-5	1140.8	6.8	2.2	0.0	1147.6	1
1A	75	52549	26	-2	0	-0	16	1030.4	16.6	1.4	0.0	1047.0	6
1E	75	53791	26	-2	0	-0	16	1054.7	16.6	1.4	0.0	1071.3	6
1I	75	52086	14	-2	0	0	47	1021.3	47.7	0.8	0.0	1069.0	6
1M	75	54254	14	-2	0	0	47	1063.8	47.7	0.8	0.0	1111.5	6
2	75	76770	74	-5	0	6	51	1505.3	54.4	4.0	0.0	1559.6	6
3	75	48655	44	-3	0	4	30	954.0	32.4	2.4	0.0	986.4	6
4	75	48055	42	-3	0	4	29	942.3	30.7	2.2	0.0	972.9	6
5	75	48665	41	-2	0	4	28	954.2	29.9	2.2	0.0	984.2	6
6	75	86795	69	-5	0	-0	47	1701.9	47.2	3.7	0.0	1749.0	6
7	75	55615	41	-3	0	-0	27	1090.5	27.8	2.2	0.0	1118.3	6
8	75	55445	39	-3	0	0	26	1087.2	25.9	2.1	0.0	1113.1	6
9	75	56415	38	-3	0	-1	25	1106.2	25.4	2.0	0.0	1131.6	6
10	75	88000	82	-5	0	6	56	1725.5	59.3	4.4	0.0	1784.8	6
11	75	55155	50	-3	0	4	34	1081.5	35.9	2.7	0.0	1117.3	6
12	75	54995	46	-3	0	4	32	1078.3	33.7	2.5	0.0	1112.1	6
13	75	55125	47	-3	0	3	32	1080.9	33.6	2.5	0.0	1114.5	6
14	75	91145	70	-5	0	-0	47	1787.2	47.2	3.7	0.0	1834.4	6
15	75	57905	42	-3	0	-1	28	1135.4	28.1	2.2	0.0	1163.5	6
16	75	58095	39	-3	0	-0	26	1139.1	25.9	2.1	0.0	1165.0	6
17	75	58205	39	-3	0	-1	26	1141.3	26.4	2.1	0.0	1167.6	6
1A	151	52579	24	0	0	2	35	1031.0	36.0	1.3	0.0	1067.0	6
1E	151	53821	24	0	0	2	35	1055.3	36.0	1.3	0.0	1091.3	6
1I	151	52116	12	1	0	2	96	1021.9	98.4	0.6	0.0	1120.3	6
1M	151	54284	12	1	0	2	96	1064.4	98.4	0.6	0.0	1162.8	6
2	151	76810	71	19	0	1	106	1506.1	107.2	3.8	0.0	1613.3	6
3	151	48680	42	12	0	0	63	954.5	64.0	2.3	0.0	1018.5	6
4	151	48080	40	12	0	1	59	942.7	60.3	2.1	0.0	1003.0	6
5	151	48690	39	12	0	-0	58	954.7	59.3	2.1	0.0	1014.0	6
6	151	86840	66	3	0	1	98	1702.7	99.0	3.6	0.0	1801.7	6
7	151	55640	39	2	0	-0	57	1091.0	58.3	2.1	0.0	1149.3	6
8	151	55470	37	2	0	1	54	1087.6	54.9	2.0	0.0	1142.5	6
9	151	56440	36	3	0	-1	53	1106.7	53.6	1.9	0.0	1160.3	6
10	151	88040	78	18	0	1	116	1726.3	118.4	4.2	0.0	1844.6	6
11	151	55180	48	12	0	0	71	1082.0	71.7	2.6	0.0	1153.7	6
12	151	55020	45	11	0	1	66	1078.8	67.2	2.4	0.0	1146.1	6
13	151	55150	45	12	0	-0	66	1081.4	67.2	2.4	0.0	1148.5	6
14	151	91190	66	3	0	0	98	1788.0	99.2	3.6	0.0	1887.2	6
15	151	57930	40	2	0	-0	58	1135.9	59.2	2.1	0.0	1195.0	6
16	151	58120	37	2	0	1	54	1139.6	55.0	2.0	0.0	1194.6	6
17	151	58230	37	3	0	-1	55	1141.8	55.6	2.0	0.0	1197.4	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	52579	2	19	52	34	34	1.00	1.00	1052.1	
1E	53821	2	19	52	34	34	1.00	1.00	1076.4	
1I	52116	2	56	52	34	34	1.00	1.00	1080.4	
1M	54284	2	56	52	34	34	1.00	1.00	1122.9	
2	76810	3	61	52	34	34	1.00	1.00	1571.0	
3	48680	2	36	52	34	34	1.00	1.00	993.6	
4	48080	2	34	52	34	34	1.00	1.00	979.1	
5	48690	2	34	52	34	34	1.00	1.00	991.1	
6	86840	4	56	52	34	34	1.00	1.00	1763.3	
7	55640	3	33	52	34	34	1.00	1.00	1126.9	
8	55470	2	31	52	34	34	1.00	1.00	1121.1	
9	56440	3	30	52	34	34	1.00	1.00	1139.9	
10	88040	4	67	52	34	34	1.00	1.00	1797.9	
11	55180	2	41	52	34	34	1.00	1.00	1125.6	
12	55020	2	38	52	34	34	1.00	1.00	1119.4	
13	55150	3	38	52	34	34	1.00	1.00	1122.6	
14	91190	4	56	52	34	34	1.00	1.00	1848.8	
15	57930	3	33	52	34	34	1.00	1.00	1172.4	
16	58120	3	31	52	34	34	1.00	1.00	1173.2	
17	58230	3	31	52	34	34	1.00	1.00	1176.2	

ASTA NUM. 22 NI 37 NF 2 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.1064	0.0266	--	--	-3.0685	-2.9356 daN/m

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

1A	0	45590	-57	-4	0	-3	4	893.9	5.5	3.0	0.0	899.4	6
1E	0	46830	-57	-4	0	-3	4	918.2	5.5	3.0	0.0	923.7	6
1I	0	45129	-68	-4	0	-3	4	884.9	5.8	3.7	0.0	890.6	6
1M	0	47291	-68	-4	0	-3	4	927.3	5.8	3.7	0.0	933.1	6
2	0	67400	-76	-28	0	-5	5	1321.6	7.3	4.1	0.0	1328.9	1
3	0	35350	-45	-17	0	-3	3	693.1	3.7	2.4	0.0	696.8	1
4	0	31450	-43	-17	0	-2	2	616.7	3.5	2.3	0.0	620.1	1
5	0	32210	-41	-17	0	-2	2	631.6	3.5	2.2	0.0	635.0	1
6	0	77280	-72	-13	0	-6	6	1515.3	8.9	3.9	0.0	1524.2	1
7	0	38080	-42	-8	0	-3	3	746.7	4.2	2.2	0.0	750.9	1
8	0	36170	-40	-7	0	-3	3	709.2	4.3	2.1	0.0	713.5	1
9	0	37340	-38	-8	0	-3	3	732.2	4.3	2.0	0.0	736.5	1
10	0	78680	-84	-28	0	-6	6	1542.7	8.7	4.5	0.0	1551.5	1
11	0	41870	-51	-17	0	-3	3	821.0	4.5	2.7	0.0	825.5	1
12	0	38240	-48	-17	0	-3	3	749.8	4.3	2.6	0.0	754.1	1
13	0	38520	-47	-18	0	-3	3	755.3	4.2	2.5	0.0	759.5	1
14	0	81640	-73	-13	0	-7	7	1600.8	9.5	3.9	0.0	1610.3	1
15	0	40370	-42	-8	0	-3	3	791.6	4.5	2.3	0.0	796.1	1
16	0	38530	-40	-7	0	-3	3	755.5	4.6	2.2	0.0	760.1	1
17	0	38840	-39	-8	0	-3	3	761.6	4.5	2.1	0.0	766.1	1
1A	75	45620	-54	-2	0	0	-38	894.5	38.3	2.9	0.0	932.8	6
1E	75	46860	-54	-2	0	0	-38	918.8	38.3	2.9	0.0	957.2	6
1I	75	45159	-66	-1	0	0	-7	885.5	7.2	3.6	0.0	892.7	6
1M	75	47321	-66	-1	0	0	-7	927.9	7.2	3.6	0.0	935.1	6
2	75	67445	-73	-4	0	7	-51	1322.5	54.8	3.9	0.0	1377.3	6
3	75	35375	-43	-2	0	5	-31	693.6	33.1	2.3	0.0	726.7	6
4	75	31475	-41	-2	0	5	-29	617.2	31.5	2.2	0.0	648.6	6
5	75	32235	-39	-3	0	5	-28	632.1	30.5	2.1	0.0	662.6	6
6	75	77325	-69	-4	0	0	-47	1516.2	47.6	3.7	0.0	1563.8	6
7	75	38105	-40	-2	0	1	-28	747.2	28.4	2.1	0.0	775.6	6
8	75	36195	-38	-2	0	0	-26	709.7	26.9	2.0	0.0	736.6	6
9	75	37365	-36	-3	0	1	-25	732.6	25.5	1.9	0.0	758.1	6
10	75	78720	-81	-5	0	6	-56	1543.5	59.8	4.4	0.0	1603.3	6
11	75	41895	-49	-3	0	4	-34	821.5	36.6	2.6	0.0	858.1	6
12	75	38265	-46	-2	0	4	-32	750.3	34.6	2.5	0.0	784.9	6
13	75	38545	-45	-3	0	5	-32	755.8	34.2	2.4	0.0	790.0	6
14	75	81680	-69	-5	0	0	-47	1601.6	47.6	3.7	0.0	1649.1	6
15	75	40400	-40	-3	0	1	-28	792.2	28.7	2.2	0.0	820.9	6
16	75	38555	-38	-2	0	0	-26	756.0	26.8	2.1	0.0	782.8	6
17	75	38865	-37	-3	0	1	-26	762.1	26.4	2.0	0.0	788.5	6
1A	151	45650	-52	1	0	2	-78	895.1	79.6	2.8	0.0	974.7	6
1E	151	46890	-52	1	0	2	-78	919.4	79.6	2.8	0.0	999.0	6
1I	151	45189	-64	1	0	2	-17	886.0	17.7	3.4	0.0	903.7	6
1M	151	47351	-64	1	0	2	-17	928.5	17.7	3.4	0.0	946.1	6
2	151	67490	-70	19	0	1	-105	1323.3	107.1	3.8	0.0	1430.5	6
3	151	35400	-41	12	0	1	-63	694.1	63.8	2.2	0.0	757.9	6
4	151	31500	-39	13	0	0	-59	617.6	60.2	2.1	0.0	677.9	6
5	151	32260	-37	12	0	1	-57	632.5	58.4	2.0	0.0	690.9	6
6	151	77370	-66	4	0	0	-98	1517.1	99.1	3.5	0.0	1616.1	6
7	151	38130	-38	3	0	1	-57	747.6	57.9	2.0	0.0	805.5	6
8	151	36220	-36	3	0	-0	-54	710.2	55.0	1.9	0.0	765.2	6
9	151	37390	-34	2	0	1	-51	733.1	52.1	1.8	0.0	785.2	6
10	151	78760	-78	19	0	1	-117	1544.3	118.4	4.2	0.0	1662.7	6
11	151	41920	-47	12	0	1	-70	822.0	71.6	2.5	0.0	893.5	6
12	151	38290	-44	12	0	0	-66	750.8	67.3	2.4	0.0	818.0	6
13	151	38570	-43	12	0	1	-65	756.3	66.5	2.3	0.0	822.7	6
14	151	81720	-66	4	0	0	-98	1602.4	99.2	3.5	0.0	1701.6	6
15	151	40430	-38	3	0	1	-58	792.7	58.7	2.1	0.0	851.5	6
16	151	38580	-36	3	0	-0	-54	756.5	55.2	1.9	0.0	811.6	6
17	151	38890	-35	2	0	1	-53	762.5	54.1	1.9	0.0	816.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	45650	1	45	52	34	34	1.00	1.00	942.1	
1E	46890	1	45	52	34	34	1.00	1.00	966.4	
1I	45189	1	8	52	34	34	1.00	1.00	895.8	
1M	47351	1	8	52	34	34	1.00	1.00	938.2	
2	67490	3	61	52	34	34	1.00	1.00	1387.9	
3	35400	1	37	52	34	34	1.00	1.00	732.2	
4	31500	1	35	52	34	34	1.00	1.00	654.0	
5	32260	1	33	52	34	34	1.00	1.00	667.2	
6	77370	4	56	52	34	34	1.00	1.00	1577.6	
7	38130	1	33	52	34	34	1.00	1.00	782.5	
8	36220	2	31	52	34	34	1.00	1.00	743.8	
9	37390	1	29	52	34	34	1.00	1.00	764.3	
10	78760	3	68	52	34	34	1.00	1.00	1616.0	
11	41920	1	41	52	34	34	1.00	1.00	864.9	

12	38290	2	39	52	34	34	1.00	1.00	791.6
13	38570	1	38	52	34	34	1.00	1.00	795.9
14	81720	4	56	52	34	34	1.00	1.00	1663.1
15	40430	2	33	52	34	34	1.00	1.00	828.2
16	38580	2	31	52	34	34	1.00	1.00	790.3
17	38890	1	31	52	34	34	1.00	1.00	794.9

ASTA NUM. 23 NI 41 NF 4 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.1064	0.0266	--	--	3.0685	3.2015 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-55012	-54	0	0	-4	5	1078.7	6.6	2.9	0.0	1085.3	6	
1E	0	-53768	-54	0	0	-4	5	1054.3	6.6	2.9	0.0	1060.9	6	
1I	0	-55474	-66	1	0	-4	5	1087.7	6.9	3.5	0.0	1094.7	6	
1M	0	-53306	-66	1	0	-4	5	1045.2	6.9	3.5	0.0	1052.2	6	
2	0	-77030	-73	-22	0	-6	6	1510.4	8.8	3.9	0.0	1519.2	1	
3	0	-41110	-43	-13	0	-3	3	806.1	4.7	2.3	0.0	810.8	1	
4	0	-37080	-41	-13	0	-3	3	727.1	4.3	2.2	0.0	731.3	1	
5	0	-38170	-40	-12	0	-3	3	748.4	4.6	2.2	0.0	753.1	1	
6	0	-89590	-69	-7	0	-7	7	1756.7	10.7	3.7	0.0	1767.3	1	
7	0	-45600	-40	-4	0	-4	4	894.1	5.5	2.2	0.0	899.6	1	
8	0	-43230	-38	-4	0	-4	4	847.6	5.3	2.0	0.0	852.9	1	
9	0	-44800	-37	-3	0	-4	4	878.4	5.8	2.0	0.0	884.2	1	
10	0	-82040	-80	-22	0	-7	6	1608.6	9.2	4.3	0.0	1617.9	1	
11	0	-44100	-48	-13	0	-4	3	864.7	5.0	2.6	0.0	869.7	1	
12	0	-40290	-45	-13	0	-3	3	790.0	4.6	2.4	0.0	794.6	1	
13	0	-40890	-45	-13	0	-3	3	801.8	4.8	2.4	0.0	806.6	1	
14	0	-85240	-68	-7	0	-7	7	1671.4	10.1	3.7	0.0	1681.4	1	
15	0	-42660	-40	-3	0	-4	4	836.5	5.1	2.2	0.0	841.6	1	
16	0	-40580	-37	-4	0	-3	3	795.7	4.9	2.0	0.0	800.6	1	
17	0	-41290	-38	-3	0	-4	4	809.6	5.2	2.0	0.0	814.8	1	
1A	75	-54982	-56	-2	0	-2	-37	1078.1	38.2	3.0	0.0	1116.3	6	
1E	75	-53738	-56	-2	0	-2	-37	1053.7	38.2	3.0	0.0	1091.9	6	
1I	75	-55444	-68	-2	0	-2	-6	1087.1	7.0	3.7	0.0	1094.2	6	
1M	75	-53276	-68	-2	0	-2	-6	1044.6	7.0	3.7	0.0	1051.7	6	
2	75	-76985	-76	-5	0	4	-50	1509.5	52.4	4.1	0.0	1561.9	6	
3	75	-41085	-45	-2	0	2	-30	805.6	31.6	2.4	0.0	837.2	6	
4	75	-37055	-43	-2	0	3	-28	726.6	29.9	2.3	0.0	756.5	6	
5	75	-38145	-42	-2	0	2	-28	747.9	29.2	2.3	0.0	777.1	6	
6	75	-89550	-72	-5	0	-3	-46	1755.9	47.5	3.9	0.0	1803.4	6	
7	75	-45575	-42	-2	0	-2	-27	893.6	28.2	2.3	0.0	921.9	6	
8	75	-43205	-40	-3	0	-1	-26	847.2	26.4	2.1	0.0	873.5	6	
9	75	-44770	-39	-2	0	-2	-25	877.8	26.0	2.1	0.0	903.8	6	
10	75	-82000	-83	-5	0	4	-55	1607.8	57.6	4.5	0.0	1665.4	6	
11	75	-44070	-50	-3	0	2	-34	864.1	35.2	2.7	0.0	899.4	6	
12	75	-40265	-47	-3	0	3	-32	789.5	33.2	2.5	0.0	822.7	6	
13	75	-40865	-47	-2	0	2	-32	801.3	33.0	2.6	0.0	834.3	6	
14	75	-85195	-72	-5	0	-3	-46	1670.5	47.4	3.9	0.0	1717.9	6	
15	75	-42635	-42	-2	0	-1	-28	836.0	28.6	2.3	0.0	864.5	6	
16	75	-40555	-39	-2	0	-1	-26	795.2	26.4	2.1	0.0	821.6	6	
17	75	-41260	-40	-2	0	-2	-26	809.0	26.8	2.1	0.0	835.9	6	
1A	151	-54952	-59	-5	0	2	-81	1077.5	82.2	3.2	0.0	1159.7	6	
1E	151	-53708	-59	-5	0	2	-81	1053.1	82.2	3.2	0.0	1135.4	6	
1I	151	-55414	-71	-4	0	2	-19	1086.5	20.3	3.8	0.0	1106.9	6	
1M	151	-53246	-71	-4	0	2	-19	1044.0	20.3	3.8	0.0	1064.3	6	
2	151	-76940	-80	12	0	1	-109	1508.6	110.6	4.3	0.0	1619.3	6	
3	151	-41060	-47	8	0	0	-65	805.1	66.2	2.6	0.0	871.3	6	
4	151	-37030	-45	8	0	1	-61	726.1	62.4	2.4	0.0	788.4	6	
5	151	-38120	-44	9	0	-1	-61	747.5	61.7	2.4	0.0	809.1	6	
6	151	-89510	-75	-3	0	0	-101	1755.1	102.7	4.1	0.0	1857.8	6	
7	151	-45550	-44	-1	0	-0	-60	893.1	60.6	2.4	0.0	953.8	6	
8	151	-43180	-42	-1	0	0	-56	846.7	57.0	2.2	0.0	903.7	6	
9	151	-44740	-41	-1	0	-1	-55	877.3	56.2	2.2	0.0	933.4	6	
10	151	-81960	-87	12	0	1	-120	1607.1	121.5	4.7	0.0	1728.6	6	
11	151	-44040	-52	8	0	0	-73	863.5	73.7	2.8	0.0	937.2	6	
12	151	-40240	-49	8	0	1	-68	789.0	69.1	2.6	0.0	858.2	6	
13	151	-40840	-50	9	0	-0	-68	800.8	69.3	2.7	0.0	870.1	6	
14	151	-85150	-75	-3	0	1	-101	1669.6	102.6	4.0	0.0	1772.2	6	
15	151	-42610	-44	-1	0	-0	-60	835.5	61.1	2.4	0.0	896.6	6	
16	151	-40530	-41	-1	0	0	-56	794.7	56.9	2.2	0.0	851.6	6	
17	151	-41230	-42	-1	0	-1	-57	808.4	57.7	2.3	0.0	866.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	-55012	2	46	52	34	34	1.37	1.00	1529.5	
1E	-53768	2	46	52	34	34	1.37	1.00	1496.1	
1I	-55474	2	9	52	34	34	1.37	1.00	1502.2	
1M	-53306	2	9	52	34	34	1.37	1.00	1443.9	
2	-77030	3	63	52	34	34	1.37	1.00	2142.5	
3	-41110	2	38	52	34	34	1.37	1.00	1146.5	
4	-37080	2	36	52	34	34	1.37	1.00	1035.4	
5	-38170	2	35	52	34	34	1.37	1.00	1064.8	
6	-89590	4	58	52	34	34	1.37	1.00	2476.4	
7	-45600	2	34	52	34	34	1.37	1.00	1264.1	
8	-43230	2	32	52	34	34	1.37	1.00	1197.9	
9	-44800	3	31	52	34	34	1.37	1.00	1240.0	
10	-82040	3	69	52	34	34	1.37	1.00	2284.5	
11	-44100	2	42	52	34	34	1.37	1.00	1231.5	
12	-40290	2	40	52	34	34	1.37	1.00	1125.9	
13	-40890	2	40	52	34	34	1.37	1.00	1142.7	
14	-85240	4	58	52	34	34	1.37	1.00	2358.9	
15	-42660	2	35	52	34	34	1.37	1.00	1185.2	
16	-40580	2	32	52	34	34	1.37	1.00	1126.4	
17	-41290	3	33	52	34	34	1.37	1.00	1146.4	

ASTA NUM. 24 NI 38 NF 3 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.1064	-0.0266	--	--	-3.0685	-3.2015 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-61931	26	-0	0	-4	-5	1214.3	6.6	1.4	0.0	1221.0	6	
1E	0	-60689	26	-0	0	-4	-5	1190.0	6.6	1.4	0.0	1196.6	6	
1I	0	-62392	14	0	0	-5	-5	1223.4	6.7	0.8	0.0	1230.1	1	
1M	0	-60228	14	0	0	-5	-5	1180.9	6.7	0.8	0.0	1187.7	1	
2	0	-86260	73	-23	0	-7	-7	1691.4	9.7	3.9	0.0	1701.1	1	
3	0	-54100	43	-14	0	-4	-4	1060.8	6.0	2.3	0.0	1066.8	1	
4	0	-53700	41	-14	0	-4	-4	1052.9	6.0	2.2	0.0	1058.9	1	
5	0	-53980	40	-15	0	-4	-4	1058.4	5.8	2.1	0.0	1064.3	1	
6	0	-99050	69	-8	0	-8	-8	1942.2	11.7	3.7	0.0	1953.8	1	
7	0	-62740	40	-5	0	-5	-5	1230.2	7.3	2.2	0.0	1237.5	1	
8	0	-62570	39	-5	0	-5	-5	1226.9	7.3	2.1	0.0	1234.1	1	
9	0	-63140	37	-6	0	-5	-5	1238.0	7.2	2.0	0.0	1245.2	1	
10	0	-91320	80	-23	0	-7	-7	1790.6	10.2	4.3	0.0	1800.8	1	
11	0	-57110	49	-14	0	-4	-4	1119.8	6.3	2.6	0.0	1126.1	1	
12	0	-57120	46	-14	0	-4	-4	1120.0	6.3	2.5	0.0	1126.3	1	
13	0	-56920	45	-15	0	-4	-4	1116.1	6.1	2.4	0.0	1122.2	1	
14	0	-94700	69	-7	0	-8	-8	1856.9	11.1	3.7	0.0	1867.9	1	
15	0	-59800	41	-5	0	-5	-5	1172.5	6.9	2.2	0.0	1179.4	1	
16	0	-60220	38	-5	0	-5	-5	1180.8	7.0	2.1	0.0	1187.7	1	
17	0	-59930	37	-5	0	-5	-5	1175.1	6.7	2.0	0.0	1181.8	1	
1A	75	-61901	28	-3	0	-2	16	1213.7	16.6	1.5	0.0	1230.4	6	
1E	75	-60659	28	-3	0	-2	16	1189.4	16.6	1.5	0.0	1206.0	6	
1I	75	-62362	16	-2	0	-2	46	1222.8	47.8	0.9	0.0	1270.5	6	
1M	75	-60198	16	-2	0	-2	46	1180.4	47.8	0.9	0.0	1228.1	6	
2	75	-86215	76	-6	0	4	50	1690.5	51.9	4.1	0.0	1742.4	6	
3	75	-54070	46	-4	0	3	29	1060.2	30.8	2.4	0.0	1091.0	6	
4	75	-53670	43	-3	0	2	28	1052.4	29.2	2.3	0.0	1081.5	6	
5	75	-53955	42	-4	0	3	27	1057.9	28.4	2.3	0.0	1086.3	6	
6	75	-99010	73	-6	0	-3	45	1941.4	47.3	3.9	0.0	1988.7	6	
7	75	-62715	42	-4	0	-2	26	1229.7	27.2	2.3	0.0	1256.9	6	
8	75	-62545	41	-4	0	-2	25	1226.4	26.1	2.2	0.0	1252.4	6	
9	75	-63110	39	-4	0	-1	23	1237.5	24.2	2.1	0.0	1261.7	6	
10	75	-91275	84	-6	0	4	55	1789.7	57.1	4.5	0.0	1846.8	6	
11	75	-57085	51	-4	0	2	33	1119.3	34.5	2.7	0.0	1153.8	6	
12	75	-57090	48	-4	0	2	31	1119.4	32.4	2.6	0.0	1151.8	6	
13	75	-56895	47	-4	0	3	31	1115.6	32.2	2.5	0.0	1147.7	6	
14	75	-94655	72	-6	0	-3	45	1856.0	47.2	3.9	0.0	1903.2	6	
15	75	-59775	43	-4	0	-1	27	1172.1	27.5	2.3	0.0	1199.6	6	
16	75	-60190	41	-4	0	-2	25	1180.2	26.0	2.2	0.0	1206.2	6	
17	75	-59905	40	-4	0	-1	24	1174.6	25.1	2.1	0.0	1199.7	6	
1A	151	-61871	30	-5	0	2	38	1213.2	38.7	1.6	0.0	1251.9	6	
1E	151	-60629	30	-5	0	2	38	1188.8	38.7	1.6	0.0	1227.5	6	
1I	151	-62332	19	-5	0	2	99	1222.2	101.1	1.0	0.0	1323.3	6	
1M	151	-60168	19	-5	0	2	99	1179.8	101.1	1.0	0.0	1280.9	6	
2	151	-86170	80	11	0	2	109	1689.6	110.7	4.3	0.0	1800.3	6	
3	151	-54040	48	7	0	1	65	1059.6	65.9	2.6	0.0	1125.5	6	
4	151	-53640	45	7	0	1	61	1051.8	62.5	2.4	0.0	1114.3	6	
5	151	-53930	44	7	0	2	59	1057.5	60.8	2.4	0.0	1118.2	6	
6	151	-98970	76	-4	0	1	101	1940.6	102.9	4.1	0.0	2043.5	6	
7	151	-62690	44	-3	0	1	59	1229.2	60.1	2.4	0.0	1289.3	6	
8	151	-62520	43	-3	0	0	56	1225.9	57.3	2.3	0.0	1283.2	6	
9	151	-63080	41	-3	0	2	53	1236.9	54.7	2.2	0.0	1291.5	6	

10	151	-91230	87	11	0	1	120	1788.8	121.6	4.7	0.0	1910.4	6
11	151	-57060	53	7	0	1	72	1118.8	73.5	2.8	0.0	1192.3	6
12	151	-57060	50	7	0	1	68	1118.8	69.4	2.7	0.0	1188.2	6
13	151	-56870	49	6	0	2	67	1115.1	68.7	2.7	0.0	1183.8	6
14	151	-94610	76	-4	0	1	101	1855.1	102.7	4.1	0.0	1957.8	6
15	151	-59750	45	-3	0	1	59	1171.6	60.6	2.4	0.0	1232.2	6
16	151	-60160	43	-2	0	0	56	1179.6	57.2	2.3	0.0	1236.8	6
17	151	-59880	42	-3	0	2	55	1174.1	56.3	2.2	0.0	1230.5	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-61931	2	21	52	34	34	1.37	1.00	1688.2	
1E	-60689	2	21	52	34	34	1.37	1.00	1654.8	
1I	-62392	2	58	52	34	34	1.37	1.00	1740.6	
1M	-60228	2	58	52	34	34	1.37	1.00	1682.3	
2	-86260	3	63	52	34	34	1.37	1.00	2391.0	
3	-54100	2	37	52	34	34	1.37	1.00	1495.3	
4	-53700	2	35	52	34	34	1.37	1.00	1482.7	
5	-53980	2	34	52	34	34	1.37	1.00	1488.4	
6	-99050	5	58	52	34	34	1.37	1.00	2731.5	
7	-62740	3	33	52	34	34	1.37	1.00	1724.5	
8	-62570	3	32	52	34	34	1.37	1.00	1718.6	
9	-63140	2	30	52	34	34	1.37	1.00	1731.3	
10	-91320	4	69	52	34	34	1.37	1.00	2534.8	
11	-57110	2	41	52	34	34	1.37	1.00	1581.2	
12	-57120	2	39	52	34	34	1.37	1.00	1579.2	
13	-56920	2	39	52	34	34	1.37	1.00	1572.6	
14	-94700	4	58	52	34	34	1.37	1.00	2614.0	
15	-59800	2	34	52	34	34	1.37	1.00	1645.7	
16	-60220	3	32	52	34	34	1.37	1.00	1655.2	
17	-59930	2	31	52	34	34	1.37	1.00	1645.9	

ASTA NUM. 25 NI 29 NF 37 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.1064	0.0266	--	--	-3.0685	-2.9356 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	45529	-348	260	0	392	526	892.7	695.1	18.7	0.0	1587.9	6	
1E	0	46771	-348	260	0	392	526	917.1	695.1	18.7	0.0	1612.2	6	
1I	0	45068	-474	345	0	520	715	883.7	940.2	25.5	0.0	1823.9	6	
1M	0	47232	-474	345	0	520	715	926.1	940.2	25.5	0.0	1866.3	6	
2	0	67320	-572	407	0	644	865	1320.0	1143.2	30.8	0.0	2463.2	6	
3	0	35300	-418	317	0	498	631	692.2	845.9	22.5	0.0	1538.1	6	
4	0	31390	-297	202	0	325	449	615.5	589.1	16.0	0.0	1204.6	6	
5	0	32160	-515	420	0	654	777	630.6	1058.2	27.7	0.0	1688.8	6	
6	0	77200	-485	349	0	533	733	1513.7	964.1	26.1	0.0	2477.9	6	
7	0	38020	-401	319	0	486	606	745.5	815.2	21.6	0.0	1560.7	6	
8	0	36120	-241	165	0	254	364	708.2	474.2	13.0	0.0	1182.4	6	
9	0	37280	-509	435	0	661	769	731.0	1053.7	27.4	0.0	1784.6	6	
10	0	78590	-581	402	0	636	878	1541.0	1153.3	31.2	0.0	2694.3	6	
11	0	41820	-427	317	0	496	645	820.0	859.3	23.0	0.0	1679.3	6	
12	0	38180	-302	199	0	319	457	748.6	595.0	16.3	0.0	1343.7	6	
13	0	38470	-525	421	0	654	793	754.3	1074.6	28.2	0.0	1829.0	6	
14	0	81540	-486	350	0	535	735	1598.8	966.0	26.1	0.0	2564.9	6	
15	0	40320	-405	322	0	491	612	790.6	823.2	21.8	0.0	1613.8	6	
16	0	38470	-241	166	0	254	364	754.3	474.8	13.0	0.0	1229.1	6	
17	0	38790	-519	442	0	672	784	760.6	1072.8	27.9	0.0	1833.3	6	
1A	75	45559	-346	263	0	195	264	893.3	348.3	18.6	0.0	1241.6	6	
1E	75	46801	-346	263	0	195	264	917.7	348.3	18.6	0.0	1266.0	6	
1I	75	45098	-471	347	0	258	359	884.3	470.5	25.4	0.0	1354.8	6	
1M	75	47262	-471	347	0	258	359	926.7	470.5	25.4	0.0	1397.2	6	
2	75	67360	-569	430	0	328	434	1320.8	575.8	30.6	0.0	1896.6	6	
3	75	35325	-416	332	0	253	316	692.6	425.4	22.4	0.0	1118.1	6	
4	75	31415	-295	217	0	166	225	616.0	296.9	15.9	0.0	912.9	6	
5	75	32185	-513	435	0	331	389	631.1	531.6	27.6	0.0	1162.6	6	
6	75	77240	-482	357	0	266	369	1514.5	484.2	25.9	0.0	1998.7	6	
7	75	38050	-399	324	0	243	304	746.1	408.7	21.5	0.0	1154.8	6	
8	75	36145	-239	170	0	127	183	708.7	238.1	12.9	0.0	946.8	6	
9	75	37305	-507	440	0	331	385	731.5	528.0	27.3	0.0	1259.5	6	
10	75	78630	-577	426	0	323	441	1541.8	581.2	31.1	0.0	2122.9	6	
11	75	41845	-425	331	0	252	323	820.5	432.3	22.9	0.0	1252.8	6	
12	75	38205	-300	214	0	164	229	749.1	300.1	16.2	0.0	1049.2	6	
13	75	38495	-523	436	0	331	397	754.8	540.0	28.1	0.0	1294.8	6	
14	75	81585	-482	359	0	267	369	1599.7	485.2	25.9	0.0	2084.9	6	
15	75	40345	-403	327	0	246	307	791.1	412.8	21.7	0.0	1203.8	6	
16	75	38495	-239	171	0	127	183	754.8	238.5	12.9	0.0	993.3	6	
17	75	38815	-517	447	0	336	393	761.1	537.6	27.8	0.0	1298.7	6	
1A	151	45589	-343	265	0	-4	4	893.9	6.3	18.5	0.0	900.2	1	
1E	151	46831	-343	265	0	-4	4	918.2	6.3	18.5	0.0	924.6	1	
1I	151	45128	-469	349	0	-4	4	884.9	5.9	25.2	0.0	890.8	1	
1M	151	47292	-469	349	0	-4	4	927.3	5.9	25.2	0.0	933.2	1	
2	151	67400	-566	454	0	-5	6	1321.6	8.0	30.5	0.0	1329.6	6	
3	151	35350	-414	346	0	-3	3	693.1	4.1	22.3	0.0	697.3	6	
4	151	31440	-294	232	0	-3	3	616.5	3.8	15.8	0.0	620.3	6	
5	151	32210	-511	450	0	-3	3	631.6	3.9	27.5	0.0	636.1	4	
6	151	77280	-478	366	0	-6	7	1515.3	9.4	25.7	0.0	1524.7	6	
7	151	38080	-397	329	0	-3	3	746.7	4.6	21.4	0.0	751.2	6	
8	151	36170	-237	175	0	-3	3	709.2	4.6	12.8	0.0	713.8	6	
9	151	37330	-505	445	0	-3	3	732.0	4.7	27.2	0.0	736.7	6	
10	151	78670	-574	449	0	-6	7	1542.5	9.4	30.9	0.0	1551.9	6	
11	151	41870	-423	346	0	-3	4	821.0	4.9	22.8	0.0	825.9	6	
12	151	38230	-298	228	0	-3	3	749.6	4.7	16.1	0.0	754.3	6	
13	151	38520	-521	450	0	-3	3	755.3	4.7	28.0	0.0	760.0	6	
14	151	81630	-479	367	0	-7	7	1600.6	10.0	25.8	0.0	1610.6	6	
15	151	40370	-401	332	0	-3	3	791.6	4.9	21.6	0.0	796.4	6	
16	151	38520	-237	176	0	-3	3	755.3	4.9	12.8	0.0	760.2	6	
17	151	38840	-515	452	0	-3	4	761.6	4.9	27.7	0.0	766.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	45589	233	317	52	34	34	1.00	1.00	1451.1	
1E	46831	233	317	52	34	34	1.00	1.00	1475.5	
1I	45128	310	431	52	34	34	1.00	1.00	1634.6	
1M	47292	310	431	52	34	34	1.00	1.00	1677.0	
2	67400	384	521	52	34	34	1.00	1.00	2237.8	
3	35350	297	380	52	34	34	1.00	1.00	1378.8	
4	31440	194	270	52	34	34	1.00	1.00	1086.0	
5	32210	391	467	52	34	34	1.00	1.00	1500.5	
6	77280	317	443	52	34	34	1.00	1.00	2284.4	
7	38080	290	365	52	34	34	1.00	1.00	1409.7	
8	36170	151	220	52	34	34	1.00	1.00	1084.5	
9	37330	395	463	52	34	34	1.00	1.00	1600.8	
10	78670	379	529	52	34	34	1.00	1.00	2462.0	
11	41870	297	388	52	34	34	1.00	1.00	1514.2	
12	38230	190	275	52	34	34	1.00	1.00	1220.9	
13	38520	391	477	52	34	34	1.00	1.00	1634.2	
14	81630	318	444	52	34	34	1.00	1.00	2371.5	
15	40370	293	368	52	34	34	1.00	1.00	1461.1	
16	38520	151	220	52	34	34	1.00	1.00	1131.2	
17	38840	402	472	52	34	34	1.00	1.00	1645.7	

ASTA NUM. 26 NI 28 NF 38 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.1064	-0.0266	--	--	-3.0685	-3.2015 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-62001	208	266	0	393	-323	1215.7	532.1	14.3	0.0	1747.8	1	
1E	0	-60759	208	266	0	393	-323	1191.4	532.1	14.3	0.0	1723.4	1	
1I	0	-62462	83	351	0	520	-133	1224.8	582.3	18.9	0.0	1807.1	1	
1M	0	-60298	83	351	0	520	-133	1182.3	582.3	18.9	0.0	1764.6	1	
2	0	-86350	564	414	0	644	-863	1693.1	1141.7	30.3	0.0	2834.8	6	
3	0	-54150	411	321	0	497	-628	1061.8	842.8	22.1	0.0	1904.5	6	
4	0	-53760	288	203	0	318	-442	1054.1	579.2	15.5	0.0	1633.4	6	
5	0	-54040	505	420	0	646	-770	1059.6	1047.9	27.2	0.0	2107.5	6	
6	0	-99140	477	358	0	535	-733	1943.9	964.7	25.7	0.0	2908.6	6	
7	0	-62800	394	324	0	486	-603	1231.4	812.4	21.2	0.0	2043.7	6	
8	0	-62630	231	165	0	246	-356	1228.0	463.1	12.4	0.0	1691.1	6	
9	0	-63190	499	435	0	653	-761	1239.0	1042.1	26.8	0.0	2281.1	6	
10	0	-91410	572	408	0	633	-875	1792.4	1149.4	30.8	0.0	2941.8	6	
11	0	-57170	420	320	0	494	-641	1121.0	854.9	22.6	0.0	1975.9	6	
12	0	-57180	293	199	0	312	-449	1121.2	584.5	15.7	0.0	1705.7	6	
13	0	-56980	515	420	0	645	-785	1117.3	1063.2	27.7	0.0	2180.4	6	
14	0	-94800	476	357	0	533	-732	1858.8	962.7	25.6	0.0	2821.5	6	
15	0	-59860	397	326	0	488	-607	1173.7	818.0	21.4	0.0	1991.7	6	
16	0	-60270	231	165	0	245	-356	1181.8	462.5	12.4	0.0	1644.3	6	
17	0	-59990	508	440	0	661	-774	1176.3	1059.2	27.3	0.0	2235.5	6	
1A	75	-61971	211	264	0	193	-165	1215.1	263.6	14.2	0.0	1478.7	1	

1E	75	-60729	211	264	0	193	-165	1190.8	263.6	14.2	0.0	1454.4	1
1I	75	-62432	85	349	0	256	-70	1224.2	288.9	18.8	0.0	1513.1	1
1M	75	-60268	85	349	0	256	-70	1181.7	288.9	18.8	0.0	1470.7	1
2	75	-86305	567	431	0	325	-436	1692.3	577.0	30.5	0.0	2269.2	6
3	75	-54125	413	332	0	250	-317	1061.3	425.2	22.2	0.0	1486.5	6
4	75	-53730	290	213	0	161	-224	1053.5	293.4	15.6	0.0	1346.9	6
5	75	-54010	507	431	0	325	-388	1059.0	527.8	27.3	0.0	1586.9	6
6	75	-99100	480	360	0	264	-372	1943.1	486.5	25.8	0.0	2429.6	6
7	75	-62775	396	325	0	241	-305	1230.9	408.8	21.3	0.0	1639.7	6
8	75	-62605	233	166	0	121	-182	1227.5	234.1	12.5	0.0	1461.6	6
9	75	-63165	501	436	0	324	-384	1238.5	523.7	26.9	0.0	1762.2	6
10	75	-91365	575	425	0	319	-443	1791.5	580.9	30.9	0.0	2372.4	6
11	75	-57140	422	330	0	249	-324	1120.4	431.3	22.7	0.0	1551.7	6
12	75	-57150	295	210	0	157	-228	1120.6	296.1	15.9	0.0	1416.7	6
13	75	-56950	517	431	0	324	-396	1116.7	535.5	27.8	0.0	1652.2	6
14	75	-94755	480	358	0	263	-371	1857.9	485.4	25.8	0.0	2343.3	6
15	75	-59835	399	327	0	242	-307	1173.2	411.5	21.5	0.0	1584.8	6
16	75	-60245	233	166	0	121	-181	1181.3	233.7	12.5	0.0	1415.0	6
17	75	-59965	510	441	0	329	-390	1175.8	532.2	27.4	0.0	1707.9	6
1A	151	-61941	213	262	0	-6	-5	1214.5	7.9	14.1	0.0	1222.4	1
1E	151	-60699	213	262	0	-6	-5	1190.2	7.9	14.1	0.0	1198.1	1
1I	151	-62402	87	346	0	-6	-6	1223.6	8.0	18.6	0.0	1231.6	1
1M	151	-60238	87	346	0	-6	-6	1181.1	8.0	18.6	0.0	1189.2	1
2	151	-86260	571	448	0	-7	-7	1691.4	10.2	30.7	0.0	1701.6	6
3	151	-54100	416	343	0	-4	-5	1060.8	6.4	22.4	0.0	1067.2	6
4	151	-53700	292	224	0	-4	-4	1052.9	6.3	15.7	0.0	1059.2	6
5	151	-53980	509	442	0	-4	-4	1058.4	6.2	27.4	0.0	1064.7	6
6	151	-99060	484	362	0	-8	-8	1942.4	12.0	26.0	0.0	1954.4	6
7	151	-62750	398	326	0	-5	-5	1230.4	7.5	21.4	0.0	1237.9	6
8	151	-62580	235	168	0	-5	-5	1227.1	7.5	12.6	0.0	1234.5	6
9	151	-63140	503	437	0	-5	-5	1238.0	7.5	27.1	0.0	1245.5	6
10	151	-91320	578	442	0	-7	-8	1790.6	10.8	31.1	0.0	1801.4	6
11	151	-57110	424	341	0	-5	-5	1119.8	6.7	22.8	0.0	1126.5	6
12	151	-57120	297	220	0	-5	-5	1120.0	6.6	16.0	0.0	1126.6	6
13	151	-56920	519	441	0	-4	-5	1116.1	6.5	27.9	0.0	1122.6	6
14	151	-94710	483	360	0	-8	-8	1857.1	11.4	26.0	0.0	1868.5	6
15	151	-59810	401	328	0	-5	-5	1172.7	7.1	21.6	0.0	1179.9	6
16	151	-60220	235	167	0	-5	-5	1180.8	7.1	12.6	0.0	1187.9	6
17	151	-59940	512	442	0	-5	-5	1175.3	7.0	27.5	0.0	1182.3	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-62001	233	196	52	34	34	1.37	1.00	2131.6	
1E	-60759	233	196	52	34	34	1.37	1.00	2097.5	
1I	-62462	310	82	52	34	34	1.37	1.00	2104.1	
1M	-60298	310	82	52	34	34	1.37	1.00	2044.9	
2	-86350	383	521	52	34	34	1.37	1.00	3330.4	
3	-54150	296	379	52	34	34	1.37	1.00	2181.0	
4	-53760	189	267	52	34	34	1.37	1.00	1934.1	
5	-54040	386	463	52	34	34	1.37	1.00	2365.7	
6	-99140	318	443	52	34	34	1.37	1.00	3527.0	
7	-62800	289	364	52	34	34	1.37	1.00	2397.0	
8	-62630	146	216	52	34	34	1.37	1.00	2075.2	
9	-63190	390	459	52	34	34	1.37	1.00	2620.1	
10	-91410	377	528	52	34	34	1.37	1.00	3473.5	
11	-57170	295	387	52	34	34	1.37	1.00	2271.5	
12	-57180	185	271	52	34	34	1.37	1.00	2029.0	
13	-56980	385	473	52	34	34	1.37	1.00	2457.2	
14	-94800	316	442	52	34	34	1.37	1.00	3403.7	
15	-59860	291	366	52	34	34	1.37	1.00	2320.1	
16	-60270	145	216	52	34	34	1.37	1.00	2010.1	
17	-59990	395	467	52	34	34	1.37	1.00	2545.0	

ASTA NUM. 27 NI 27 NF 41 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.1064	0.0266	--	--	3.0685	3.2015 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-55072	-344	268	0	396	528	1079.8	699.0	18.5	0.0	1778.8	6	
1E	0	-53828	-344	268	0	396	528	1055.5	699.0	18.5	0.0	1754.4	6	
1I	0	-55535	-470	353	0	523	717	1088.9	944.0	25.3	0.0	2032.9	6	
1M	0	-53365	-470	353	0	523	717	1046.4	944.0	25.3	0.0	1990.4	6	
2	0	-77120	-477	327	0	513	731	1512.2	953.5	25.7	0.0	2465.7	6	
3	0	-41170	-209	120	0	193	323	807.3	406.9	11.3	0.0	1214.2	6	
4	0	-37140	-299	213	0	334	457	728.2	601.6	16.1	0.0	1329.8	6	
5	0	-38230	-67	-15	0	-9	107	749.6	112.5	3.6	0.0	862.1	6	
6	0	-89680	-480	360	0	538	737	1758.4	969.8	25.8	0.0	2728.2	6	
7	0	-45660	-166	96	0	142	258	895.3	320.5	8.9	0.0	1215.8	6	
8	0	-43290	-300	233	0	350	459	848.8	610.2	16.1	0.0	1459.1	6	
9	0	-44850	-9	-52	0	-80	20	879.4	90.0	2.8	0.0	969.4	1	
10	0	-82140	-574	410	0	637	879	1610.6	1155.0	30.9	0.0	2765.5	6	
11	0	-44150	-274	174	0	275	421	865.7	540.1	14.8	0.0	1405.7	6	
12	0	-40350	-360	265	0	412	549	791.2	727.4	19.3	0.0	1518.6	6	
13	0	-40950	-133	41	0	74	207	802.9	240.5	7.2	0.0	1043.5	6	
14	0	-85340	-479	359	0	536	736	1673.3	967.8	25.8	0.0	2641.1	6	
15	0	-42720	-170	97	0	145	263	837.6	326.1	9.1	0.0	1163.8	6	
16	0	-40640	-299	232	0	348	458	796.9	609.0	16.1	0.0	1405.9	6	
17	0	-41340	-18	-46	0	-72	33	810.6	87.1	2.5	0.0	897.7	1	
1A	75	-55042	-346	266	0	194	267	1079.2	351.5	18.6	0.0	1430.7	6	
1E	75	-53798	-346	266	0	194	267	1054.9	351.5	18.6	0.0	1406.3	6	
1I	75	-55505	-472	350	0	258	362	1088.3	473.7	25.4	0.0	1562.0	6	
1M	75	-53335	-472	350	0	258	362	1045.8	473.7	25.4	0.0	1519.5	6	
2	75	-77075	-480	344	0	260	370	1511.3	482.7	25.8	0.0	1993.9	6	
3	75	-41145	-212	130	0	99	164	806.8	207.0	11.4	0.0	1013.7	6	
4	75	-37115	-301	224	0	169	231	727.7	304.2	16.2	0.0	1032.0	6	
5	75	-38200	-69	-4	0	-3	56	749.0	57.8	3.7	0.0	806.8	6	
6	75	-89640	-483	362	0	266	373	1757.6	488.8	26.0	0.0	2246.4	6	
7	75	-45630	-168	97	0	70	132	894.7	162.4	9.1	0.0	1057.1	6	
8	75	-43265	-302	234	0	173	232	848.3	307.3	16.2	0.0	1155.6	6	
9	75	-44825	-11	-51	0	-42	13	878.9	47.9	2.7	0.0	926.8	1	
10	75	-82095	-578	427	0	322	444	1609.7	583.5	31.1	0.0	2193.2	6	
11	75	-44125	-276	184	0	139	213	865.2	273.6	14.9	0.0	1138.8	6	
12	75	-40320	-362	275	0	208	277	790.6	367.2	19.5	0.0	1157.8	6	
13	75	-40920	-135	51	0	39	106	802.4	123.7	7.3	0.0	926.1	6	
14	75	-85295	-483	360	0	265	373	1672.5	487.7	26.0	0.0	2160.2	6	
15	75	-42695	-172	98	0	71	134	837.2	165.1	9.2	0.0	1002.3	6	
16	75	-40610	-301	233	0	173	232	796.3	306.6	16.2	0.0	1102.8	6	
17	75	-41315	-20	-45	0	-38	19	810.1	46.2	2.4	0.0	856.3	1	
1A	151	-55012	-349	263	0	-5	5	1078.7	7.4	18.8	0.0	1086.1	1	
1E	151	-53768	-349	263	0	-5	5	1054.3	7.4	18.8	0.0	1061.7	1	
1I	151	-55475	-475	348	0	-5	4	1087.7	7.0	25.5	0.0	1094.8	1	
1M	151	-53305	-475	348	0	-5	4	1045.2	7.0	25.5	0.0	1052.2	1	
2	151	-77030	-484	361	0	-6	7	1510.4	9.3	26.0	0.0	1519.7	6	
3	151	-41120	-214	141	0	-4	3	806.3	5.1	11.5	0.0	811.3	1	
4	151	-37090	-303	234	0	-3	3	727.3	4.6	16.3	0.0	731.9	6	
5	151	-38170	-71	7	0	-4	3	748.4	5.0	3.8	0.0	753.4	1	
6	151	-89600	-486	364	0	-8	8	1756.9	11.0	26.2	0.0	1767.9	6	
7	151	-45600	-170	98	0	-4	4	894.1	5.7	9.2	0.0	899.8	1	
8	151	-43240	-304	235	0	-4	4	847.8	5.5	16.3	0.0	853.3	6	
9	151	-44800	-13	-49	0	-4	4	878.4	6.0	2.7	0.0	884.4	1	
10	151	-82050	-581	444	0	-7	7	1608.8	9.8	31.3	0.0	1618.6	6	
11	151	-44100	-278	195	0	-4	4	864.7	5.3	15.0	0.0	870.0	1	
12	151	-40290	-364	286	0	-3	3	790.0	4.9	19.6	0.0	794.9	6	
13	151	-40890	-137	62	0	-4	4	801.8	5.2	7.4	0.0	807.0	1	
14	151	-85250	-486	362	0	-7	7	1671.6	10.4	26.2	0.0	1682.0	6	
15	151	-42670	-174	100	0	-4	4	836.7	5.3	9.3	0.0	842.0	1	
16	151	-40580	-304	234	0	-3	4	795.7	5.1	16.3	0.0	800.8	6	
17	151	-41290	-22	-44	0	-4	4	809.6	5.5	2.4	0.0	815.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-55072	235	319	52	34	34	1.37	1.00	2076.2	
1E	-53828	235	319	52	34	34	1.37	1.00	2041.9	
1I	-55535	312	432	52	34	34	1.37	1.00	2293.9	
1M	-53365	312	432	52	34	34	1.37	1.00	2233.6	
2	-77120	305	441	52	34	34	1.37	1.00	2896.8	
3	-41170	114	195	52	34	34	1.37	1.00	1433.8	
4	-37140	199	275	52	34	34	1.37	1.00	1498.5	
5	-38230	7	66	52	34	34	1.37	1.00	1103.8	
6	-89680	320	445	52	34	34	1.37	1.00	3267.8	
7	-45660	84	156	52	34	34	1.37	1.00	1482.5	
8	-43290	208	277	52	34	34	1.37	1.00	1678.5	
9	-44850	50	14	52	34	34	1.37	1.00	1272.8	
10	-82140	380	530	52	34	34	1.37	1.00	3218.4	
11	-44150	163	254	52	34	34	1.37	1.00	1629.6	
12	-40350	246	331	52	34	34	1.37	1.00	1694.6	
13	-40950	43	126	52	34	34	1.37	1.00	1278.6	
14	-85340	319	444	52	34	34	1.37	1.00	3144.6	
15	-42720	85	159	52	34	34	1.37	1.00	1407.2	
16	-40640	208	276	52	34	34	1.37	1.00	1604.5	
17	-41340	45	22	52	34	34	1.37	1.00	1181.0	

ASTA NUM. 28 NI 30 NF 44 Lungh. 150.9 cm SEZ. 1 Ps L 150X 18

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.1064	-0.0266	--	--	3.0685	2.9356 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	52458	212	259	0	389	-321	1028.6	527.4	13.9	0.0	1556.0	1	
1E	0	53702	212	259	0	389	-321	1053.0	527.4	13.9	0.0	1580.3	1	
1I	0	51996	86	343	0	517	-131	1019.5	577.6	18.5	0.0	1597.1	1	
1M	0	54164	86	343	0	517	-131	1062.0	577.6	18.5	0.0	1639.7	1	
2	0	76650	480	315	0	505	-725	1502.9	944.3	25.8	0.0	2447.2	6	
3	0	48580	210	113	0	188	-318	952.5	400.6	11.3	0.0	1353.1	6	
4	0	47970	296	202	0	323	-448	940.6	587.6	15.9	0.0	1528.2	6	
5	0	48590	64	-27	0	-23	-97	952.7	107.5	3.4	0.0	1060.2	6	
6	0	86670	482	347	0	529	-730	1699.4	958.9	25.9	0.0	2658.3	6	
7	0	55530	166	88	0	137	-253	1088.8	312.6	8.9	0.0	1401.4	6	
8	0	55360	296	220	0	336	-448	1085.5	593.5	15.9	0.0	1679.0	6	
9	0	56340	4	-66	0	-97	-8	1104.7	101.1	3.6	0.0	1205.8	1	
10	0	87880	578	400	0	632	-874	1723.1	1147.7	31.1	0.0	2870.8	6	
11	0	55070	275	168	0	271	-417	1079.8	534.7	14.8	0.0	1614.5	6	
12	0	54920	357	255	0	402	-541	1076.9	714.9	19.2	0.0	1791.7	6	
13	0	55040	130	30	0	62	-198	1079.2	226.2	7.0	0.0	1305.5	6	
14	0	91010	483	348	0	531	-731	1784.5	960.9	26.0	0.0	2745.4	6	
15	0	57830	170	92	0	142	-259	1133.9	320.6	9.2	0.0	1454.5	6	
16	0	58020	296	221	0	337	-449	1137.6	594.7	15.9	0.0	1732.4	6	
17	0	58130	14	-58	0	-85	-23	1139.8	95.9	3.1	0.0	1235.7	1	
1A	75	52488	210	261	0	193	-162	1029.2	262.5	14.0	0.0	1291.7	1	
1E	75	53732	210	261	0	193	-162	1053.6	262.5	14.0	0.0	1316.1	1	
1I	75	52026	84	345	0	257	-67	1020.1	287.9	18.6	0.0	1308.0	1	
1M	75	54194	84	345	0	257	-67	1062.6	287.9	18.6	0.0	1350.5	1	
2	75	76690	476	339	0	258	-365	1503.7	476.5	25.6	0.0	1980.2	6	
3	75	48605	208	127	0	98	-160	953.0	203.0	11.2	0.0	1156.1	6	
4	75	48000	294	216	0	165	-225	941.2	296.5	15.8	0.0	1237.7	6	
5	75	48615	62	-12	0	-8	-50	953.2	53.5	3.3	0.0	1006.8	6	
6	75	86710	479	355	0	264	-367	1700.2	481.8	25.8	0.0	2182.0	6	
7	75	55560	164	94	0	68	-128	1089.4	157.7	8.8	0.0	1247.1	6	
8	75	55385	294	225	0	168	-226	1086.0	298.2	15.8	0.0	1384.2	6	
9	75	56365	2	-61	0	-49	-5	1105.2	51.7	3.3	0.0	1156.9	1	
10	75	87920	574	423	0	321	-439	1723.9	578.5	30.9	0.0	2302.5	6	
11	75	55100	273	183	0	139	-210	1080.4	270.3	14.7	0.0	1350.6	6	
12	75	54945	355	269	0	204	-272	1077.4	360.3	19.1	0.0	1437.7	6	
13	75	55065	128	44	0	34	-100	1079.7	116.0	6.9	0.0	1195.7	6	
14	75	91055	479	357	0	265	-368	1785.4	482.8	25.8	0.0	2268.2	6	
15	75	57855	168	97	0	70	-131	1134.4	161.8	9.0	0.0	1296.2	6	
16	75	58045	294	226	0	168	-226	1138.1	298.9	15.8	0.0	1437.0	6	
17	75	58155	12	-53	0	-43	-13	1140.3	49.2	2.9	0.0	1189.5	1	
1A	151	52518	207	263	0	-5	-4	1029.8	6.8	14.2	0.0	1036.6	1	
1E	151	53762	207	263	0	-5	-4	1054.1	6.8	14.2	0.0	1061.0	1	
1I	151	52056	82	348	0	-5	-5	1020.7	6.9	18.7	0.0	1027.6	1	
1M	151	54224	82	348	0	-5	-5	1063.2	6.9	18.7	0.0	1070.2	1	
2	151	76730	473	362	0	-6	-6	1504.5	9.0	25.5	0.0	1513.5	6	
3	151	48630	206	142	0	-4	-4	953.5	5.8	11.1	0.0	959.3	1	
4	151	48030	292	231	0	-4	-4	941.8	5.5	15.7	0.0	947.3	6	
5	151	48640	60	2	0	-4	-4	953.7	5.8	3.2	0.0	959.6	1	
6	151	86750	476	364	0	-7	-7	1701.0	10.4	25.6	0.0	1711.3	6	
7	151	55590	162	99	0	-5	-5	1090.0	6.7	8.7	0.0	1096.7	1	
8	151	55410	292	231	0	-4	-5	1086.5	6.5	15.7	0.0	1092.9	6	
9	151	56390	0	-56	0	-5	-5	1105.7	6.9	3.0	0.0	1112.5	1	
10	151	87960	571	447	0	-7	-7	1724.7	10.4	30.7	0.0	1735.1	6	
11	151	55130	271	197	0	-5	-5	1081.0	6.5	14.6	0.0	1087.5	1	
12	151	54970	354	284	0	-4	-4	1077.8	6.4	19.0	0.0	1084.2	6	
13	151	55090	126	59	0	-5	-4	1080.2	6.6	6.8	0.0	1086.8	1	
14	151	91100	476	365	0	-8	-8	1786.3	11.0	25.6	0.0	1797.2	6	
15	151	57880	166	102	0	-5	-5	1134.9	7.0	8.9	0.0	1141.9	1	
16	151	58070	292	232	0	-5	-5	1138.6	6.8	15.7	0.0	1145.5	6	
17	151	58180	10	-48	0	-5	-5	1140.8	7.1	2.6	0.0	1147.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	52518	231	194	52	34	34	1.00	1.00	1460.6	
1E	53762	231	194	52	34	34	1.00	1.00	1485.0	
1I	52056	308	81	52	34	34	1.00	1.00	1414.2	
1M	54224	308	81	52	34	34	1.00	1.00	1456.7	
2	76730	300	438	52	34	34	1.00	1.00	2251.7	
3	48630	111	193	52	34	34	1.00	1.00	1261.1	
4	48030	192	270	52	34	34	1.00	1.00	1409.7	
5	48640	15	60	52	34	34	1.00	1.00	1029.6	
6	86750	314	441	52	34	34	1.00	1.00	2465.6	
7	55590	80	153	52	34	34	1.00	1.00	1326.4	
8	55410	200	271	52	34	34	1.00	1.00	1562.7	
9	56390	60	6	52	34	34	1.00	1.00	1172.9	
10	87960	376	527	52	34	34	1.00	1.00	2639.3	
11	55130	161	252	52	34	34	1.00	1.00	1498.7	
12	54970	239	326	52	34	34	1.00	1.00	1650.6	
13	55090	35	121	52	34	34	1.00	1.00	1238.1	
14	91100	315	442	52	34	34	1.00	1.00	2552.7	
15	57880	83	157	52	34	34	1.00	1.00	1377.9	
16	58070	200	271	52	34	34	1.00	1.00	1616.1	
17	58180	53	15	52	34	34	1.00	1.00	1210.3	

ASTA NUM. 29 NI 122 NF 85 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-27416	2	4	0	2	4	1305.5	15.7	0.5	0.0	1321.2	6	
1E	0	-27164	2	4	0	2	4	1293.5	15.7	0.5	0.0	1309.2	6	
1I	0	-27519	1	3	0	2	4	1310.4	16.1	0.4	0.0	1326.6	6	
1M	0	-27061	1	3	0	2	4	1288.6	16.1	0.4	0.0	1304.8	6	
2	0	-38170	10	2	0	2	2	1817.6	9.3	1.4	0.0	1827.0	6	
3	0	-24310	6	1	0	1	1	1157.6	5.0	0.8	0.0	1162.7	1	
4	0	-21770	6	1	0	1	1	1036.7	4.7	0.8	0.0	1041.4	1	
5	0	-23780	6	1	0	1	1	1132.4	4.5	0.8	0.0	1136.9	1	
6	0	-44180	6	3	0	3	6	2103.8	20.5	0.8	0.0	2124.4	6	
7	0	-28420	3	2	0	2	3	1353.3	11.3	0.4	0.0	1364.6	6	
8	0	-25670	3	2	0	2	3	1222.4	11.3	0.4	0.0	1233.7	6	
9	0	-28170	3	2	0	2	3	1341.4	11.4	0.4	0.0	1352.8	6	
10	0	-40300	11	2	0	2	3	1919.0	11.3	1.5	0.0	1930.3	6	
11	0	-25480	6	1	0	1	1	1213.3	5.9	0.9	0.0	1219.2	6	
12	0	-22940	6	1	0	1	1	1092.4	5.4	0.8	0.0	1097.8	1	
13	0	-25140	6	1	0	1	1	1197.1	5.5	0.8	0.0	1202.6	6	
14	0	-42860	6	3	0	3	6	2041.0	21.5	0.8	0.0	2062.4	6	
15	0	-27460	3	2	0	2	3	1307.6	11.5	0.4	0.0	1319.1	6	
16	0	-24570	3	2	0	2	3	1170.0	11.4	0.4	0.0	1181.4	6	
17	0	-27390	3	2	0	2	3	1304.3	11.5	0.4	0.0	1315.8	6	
1A	30	-27411	-1	4	0	1	4	1305.3	15.0	0.5	0.0	1320.3	6	
1E	30	-27159	-1	4	0	1	4	1293.3	15.0	0.5	0.0	1308.3	6	
1I	30	-27514	-1	3	0	1	4	1310.2	15.1	0.4	0.0	1325.2	6	
1M	30	-27056	-1	3	0	1	4	1288.4	15.1	0.4	0.0	1303.4	6	
2	30	-38165	12	1	0	2	6	1817.4	19.0	1.6	0.0	1836.4	6	
3	30	-24300	7	1	0	1	3	1157.1	10.5	0.9	0.0	1167.7	6	
4	30	-21765	7	1	0	1	3	1036.4	10.0	0.9	0.0	1046.4	6	
5	30	-23775	7	1	0	1	3	1132.1	10.0	0.9	0.0	1142.1	6	
6	30	-44170	4	3	0	2	7	2103.3	24.0	0.5	0.0	2127.4	6	
7	30	-28415	2	2	0	1	4	1353.1	12.9	0.2	0.0	1365.9	6	
8	30	-25665	2	2	0	1	4	1222.1	13.0	0.2	0.0	1235.2	6	
9	30	-28165	2	2	0	1	4	1341.2	13.1	0.2	0.0	1354.3	6	
10	30	-40295	13	1	0	2	6	1918.8	21.7	1.7	0.0	1940.5	6	
11	30	-25475	7	1	0	1	4	1213.1	11.9	1.0	0.0	1225.0	6	
12	30	-22935	7	1	0	1	3	1092.1	11.3	1.0	0.0	1103.5	6	
13	30	-25135	7	1	0	1	3	1196.9	11.4	1.0	0.0	1208.3	6	
14	30	-42855	4	3	0	2	7	2040.7	25.1	0.5	0.0	2065.8	6	
15	30	-27455	2	2	0	1	4	1307.4	13.2	0.2	0.0	1320.6	6	
16	30	-24565	2	2	0	1	4	1169.8	13.1	0.3	0.0	1182.9	6	
17	30	-27385	2	2	0	1	4	1304.0	13.3	0.3	0.0	1317.3	6	
1A	61	-27406	-3	4	0	0	4	1305.1	12.0	0.5	0.0	1317.1	6	
1E	61	-27154	-3	4	0	0	4	1293.0	12.0	0.5	0.0	1305.1	6	
1I	61	-27509	-4	3	0	0	4	1309.9	11.6	0.5	0.0	1321.6	6	
1M	61	-27051	-4	3	0	0	4	1288.1	11.6	0.5	0.0	1299.8	6	
2	61	-38160	13	0	0	1	9	1817.1	30.3	1.7	0.0	1847.5	6	
3	61	-24290	8	0	0	1	5	1156.7	17.2	1.0	0.0	1173.8	6	
4	61	-21760	8	0	0	1	5	1036.2	16.5	1.0	0.0	1052.7	6	
5	61	-23770	8	0	0	1	5	1131.9	16.5	1.0	0.0	1148.4	6	
6	61	-44160	1	3	0	1	8	2102.9	25.5	0.4	0.0	2128.3	6	
7	61	-28410	0	2	0	1	4	1352.9	13.1	0.2	0.0	1366.0	6	
8	61	-25660	0	2	0	1	4	1221.9	13.4	0.2	0.0	1235.4	6	
9	61	-28160	0	2	0	1	4	1341.0	13.4	0.2	0.0	1354.4	6	
10	61	-40290	14	0	0	2	10	1918.6	33.7	1.9	0.0	1952.2	6	
11	61	-25470	8	0	0	1	6	1212.9	19.0	1.1	0.0	1231.8	6	
12	61	-22930	8	0	0	1	6	1091.9	18.3	1.1	0.0	1110.2	6	
13	61	-25130	8	0	0	1	6	1196.7	18.3	1.1	0.0	1215.0	6	
14	61	-42850	1	3	0	1	8	2040.5	26.4	0.4	0.0	2066.8	6	
15	61	-27450	0	2	0	1	4	1307.1	13.6	0.2	0.0	1320.8	6	
16	61	-24560	0	2	0	1	4	1169.5	13.6	0.2	0.0	1183.2	6	
17	61	-27380	0	2	0	1	4	1303.8	13.8	0.2	0.0	1317.6	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27416	2	4	26	17	17	1.08	1.00	1427.5	
1E	-27164	2	4	26	17	17	1.08	1.00	1414.5	
1I	-27519	2	4	26	17	17	1.08	1.00	1432.9	
1M	-27061	2	4	26	17	17	1.08	1.00	1409.3	
2	-38170	2	6	26	17	17	1.08	1.00	1989.4	
3	-24310	1	4	26	17	17	1.08	1.00	1264.8	
4	-21770	1	3	26	17	17	1.08	1.00	1133.5	
5	-23780	1	3	26	17	17	1.08	1.00	1236.7	
6	-44180	2	7	26	17	17	1.08	1.00	2301.5	
7	-28420	1	4	26	17	17	1.08	1.00	1477.0	
8	-25670	1	4	26	17	17	1.08	1.00	1335.8	
9	-28170	1	4	26	17	17	1.08	1.00	1464.3	
10	-40300	2	7	26	17	17	1.08	1.00	2102.3	
11	-25480	1	4	26	17	17	1.08	1.00	1326.8	
12	-22940	1	4	26	17	17	1.08	1.00	1195.4	
13	-25140	1	4	26	17	17	1.08	1.00	1308.5	
14	-42860	2	7	26	17	17	1.08	1.00	2234.5	
15	-27460	1	4	26	17	17	1.08	1.00	1428.0	
16	-24570	1	4	26	17	17	1.08	1.00	1279.3	
17	-27390	1	4	26	17	17	1.08	1.00	1424.3	

ASTA NUM. 30 NI 124 NF 51 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27099	-5	3	0	0	5	1290.4	14.7	0.7	0.0	1305.1	6	
1E	0	-26941	-5	3	0	0	5	1282.9	14.7	0.7	0.0	1297.6	6	
1I	0	-27217	-6	2	0	0	5	1296.1	15.3	0.8	0.0	1311.3	6	
1M	0	-26823	-6	2	0	0	5	1277.3	15.3	0.8	0.0	1292.5	6	
2	0	-37600	0	3	0	-1	2	1790.5	7.7	0.4	0.0	1798.2	6	
3	0	-23890	1	2	0	-0	1	1137.6	4.3	0.3	0.0	1141.9	6	
4	0	-21510	1	2	0	-0	1	1024.3	4.1	0.3	0.0	1028.4	6	
5	0	-23150	2	3	0	-0	2	1102.4	5.1	0.3	0.0	1107.5	6	
6	0	-43690	-6	3	0	-0	6	2080.5	19.3	0.8	0.0	2099.8	6	
7	0	-28040	-2	3	0	-0	4	1335.2	11.5	0.4	0.0	1346.8	6	
8	0	-25460	-3	3	0	-0	4	1212.4	11.3	0.4	0.0	1223.7	6	
9	0	-27510	-2	3	0	-0	4	1310.0	12.6	0.4	0.0	1322.6	6	
10	0	-39730	-1	3	0	-1	3	1891.9	8.6	0.4	0.0	1900.5	6	
11	0	-25070	0	2	0	-0	1	1193.8	4.9	0.3	0.0	1198.7	6	
12	0	-22680	1	2	0	-0	1	1080.0	4.9	0.3	0.0	1084.9	6	
13	0	-24530	1	3	0	-0	2	1168.1	5.5	0.3	0.0	1173.6	6	
14	0	-42380	-7	3	0	-0	6	2018.1	19.2	0.9	0.0	2037.3	6	
15	0	-27080	-3	3	0	-0	4	1289.5	11.2	0.4	0.0	1300.7	6	
16	0	-24380	-3	3	0	-0	4	1161.0	11.3	0.4	0.0	1172.3	6	
17	0	-26770	-2	3	0	-0	4	1274.8	12.0	0.4	0.0	1286.8	6	
1A	30	-27094	-8	3	0	-1	3	1290.2	9.1	1.0	0.0	1299.3	6	
1E	30	-26936	-8	3	0	-1	3	1282.7	9.1	1.0	0.0	1291.8	6	
1I	30	-27212	-8	2	0	-1	3	1295.8	9.3	1.1	0.0	1305.2	6	
1M	30	-26818	-8	2	0	-1	3	1277.0	9.3	1.1	0.0	1286.4	6	
2	30	-37590	2	2	0	-1	3	1790.0	9.4	0.3	0.0	1799.4	6	
3	30	-23885	2	2	0	-1	2	1137.4	6.3	0.2	0.0	1143.7	6	
4	30	-21505	2	2	0	-1	2	1024.0	6.3	0.3	0.0	1030.4	6	
5	30	-23145	3	2	0	-1	2	1102.1	7.9	0.3	0.0	1110.1	6	
6	30	-43685	-8	3	0	-1	4	2080.2	14.0	1.1	0.0	2094.2	6	
7	30	-28035	-4	3	0	-1	3	1335.0	9.8	0.5	0.0	1344.8	6	
8	30	-25460	-4	2	0	-1	3	1212.4	9.1	0.5	0.0	1221.5	6	
9	30	-27505	-3	3	0	-1	3	1309.8	11.3	0.4	0.0	1321.1	6	
10	30	-39720	0	2	0	-1	2	1891.4	9.1	0.3	0.0	1900.5	6	
11	30	-25065	1	2	0	-1	2	1193.6	6.3	0.2	0.0	1199.8	6	
12	30	-22675	2	2	0	-1	2	1079.8	6.6	0.2	0.0	1086.4	6	
13	30	-24525	2	2	0	-1	2	1167.9	7.6	0.3	0.0	1175.5	6	
14	30	-42375	-9	3	0	-1	4	2017.9	12.6	1.3	0.0	2030.5	6	
15	30	-27075	-4	3	0	-1	3	1289.3	8.9	0.6	0.0	1298.2	6	
16	30	-24375	-4	2	0	-1	3	1160.7	9.0	0.6	0.0	1169.8	6	
17	30	-26765	-4	3	0	-1	3	1274.5	10.2	0.5	0.0	1284.7	6	
1A	61	-27089	-10	3	0	-1	0	1290.0	4.3	1.4	0.0	1294.2	1	
1E	61	-26931	-10	3	0	-1	0	1282.4	4.3	1.4	0.0	1286.7	1	
1I	61	-27207	-11	2	0	-1	-0	1295.6	4.5	1.5	0.0	1300.1	1	
1M	61	-26813	-11	2	0	-1	-0	1276.8	4.5	1.5	0.0	1281.3	1	
2	61	-37580	3	1	0	-2	3	1789.5	12.2	0.4	0.0	1801.7	6	
3	61	-23880	3	1	0	-2	2	1137.1	9.0	0.4	0.0	1146.1	6	
4	61	-21500	3	1	0	-1	2	1023.8	9.1	0.4	0.0	1032.9	6	
5	61	-23140	3	2	0	-2	3	1101.9	11.4	0.5	0.0	1113.3	6	
6	61	-43680	-10	3	0	-2	1	2080.0	8.3	1.4	0.0	2088.3	1	
7	61	-28030	-5	3	0	-2	1	1334.8	7.6	0.7	0.0	1342.3	1	
8	61	-25460	-5	2	0	-2	1	1212.4	6.4	0.7	0.0	1218.8	1	
9	61	-27500	-5	3	0	-2	2	1309.5	8.6	0.6	0.0	1318.1	6	
10	61	-39710	2	1	0	-2	3	1891.0	10.5	0.2	0.0	1901.5	6	
11	61	-25060	2	1	0	-2	2	1193.3	8.2	0.3	0.0	1201.6	6	
12	61	-22670	2	1	0	-1	2	1079.5	8.9	0.3	0.0	1088.4	6	
13	61	-24520	3	1	0	-2	3	1167.6	10.3	0.4	0.0	1178.0	6	
14	61	-42370	-12	3	0	-2	0	2017.6	7.0	1.6	0.0	2024.6	1	
15	61	-27070	-6	3	0	-2	1	1289.0	6.9	0.8	0.0	1296.0	1	
16	61	-24370	-6	2	0	-2	1	1160.5	6.2	0.7	0.0	1166.7	1	
17	61	-26760	-5	3	0	-2	2	1274.3	7.6	0.7	0.0	1281.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27099	1	3	26	17	17	1.08	1.00	1404.9	
1E	-26941	1	3	26	17	17	1.08	1.00	1396.8	
1I	-27217	1	3	26	17	17	1.08	1.00	1411.5	
1M	-26823	1	3	26	17	17	1.08	1.00	1391.2	
2	-37600	1	3	26	17	17	1.08	1.00	1947.1	
3	-23890	1	2	26	17	17	1.08	1.00	1237.9	
4	-21510	1	2	26	17	17	1.08	1.00	1115.3	
5	-23150	1	2	26	17	17	1.08	1.00	1201.7	
6	-43690	1	4	26	17	17	1.08	1.00	2264.8	
7	-28040	1	3	26	17	17	1.08	1.00	1454.6	
8	-25460	1	3	26	17	17	1.08	1.00	1320.9	
9	-27510	1	3	26	17	17	1.08	1.00	1428.8	
10	-39730	1	3	26	17	17	1.08	1.00	2056.0	
11	-25070	1	2	26	17	17	1.08	1.00	1298.4	
12	-22680	1	2	26	17	17	1.08	1.00	1175.7	
13	-24530	1	2	26	17	17	1.08	1.00	1272.3	
14	-42380	1	4	26	17	17	1.08	1.00	2196.1	
15	-27080	1	3	26	17	17	1.08	1.00	1404.4	
16	-24380	1	3	26	17	17	1.08	1.00	1265.2	
17	-26770	1	3	26	17	17	1.08	1.00	1389.6	

ASTA NUM. 31 NI 120 NF 81 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27479	-2	1	0	-0	3	1308.5	9.0	0.3	0.0	1317.5	6	
1E	0	-27141	-2	1	0	-0	3	1292.4	9.0	0.3	0.0	1301.4	6	
1I	0	-27578	-3	-0	0	-1	3	1313.2	10.3	0.4	0.0	1323.5	6	
1M	0	-27042	-3	-0	0	-1	3	1287.7	10.3	0.4	0.0	1298.0	6	
2	0	-38430	5	-2	0	-2	-0	1830.0	6.2	0.6	0.0	1836.2	1	
3	0	-24520	3	-1	0	-1	-0	1167.6	3.9	0.4	0.0	1171.5	1	
4	0	-21870	3	-1	0	-1	-0	1041.4	3.7	0.4	0.0	1045.1	1	
5	0	-24190	3	-1	0	-1	-0	1151.9	3.8	0.4	0.0	1155.7	1	
6	0	-44260	-1	-2	0	-2	3	2107.6	11.2	0.3	0.0	2118.8	6	
7	0	-28560	-0	-1	0	-1	2	1360.0	6.7	0.2	0.0	1366.7	6	
8	0	-25660	-0	-1	0	-1	2	1221.9	6.4	0.1	0.0	1228.3	6	
9	0	-28550	-0	-1	0	-1	2	1359.5	6.7	0.1	0.0	1366.2	6	
10	0	-40530	4	-2	0	-2	-0	1930.0	6.3	0.6	0.0	1936.3	1	
11	0	-25680	3	-1	0	-1	-0	1222.9	4.0	0.4	0.0	1226.8	1	
12	0	-23030	3	-1	0	-1	-0	1096.7	3.8	0.4	0.0	1100.4	1	
13	0	-25520	3	-1	0	-1	-0	1215.2	3.9	0.4	0.0	1219.1	1	
14	0	-42950	-1	-2	0	-2	3	2045.2	11.4	0.2	0.0	2056.7	6	
15	0	-27590	-0	-1	0	-1	2	1313.8	6.6	0.1	0.0	1320.4	6	
16	0	-24560	-0	-1	0	-1	2	1169.5	6.2	0.1	0.0	1175.8	6	
17	0	-27740	-0	-1	0	-1	2	1321.0	6.6	0.1	0.0	1327.5	6	
1A	32	-27479	-5	1	0	-1	2	1308.5	5.7	0.7	0.0	1314.3	6	
1E	32	-27141	-5	1	0	-1	2	1292.4	5.7	0.7	0.0	1298.1	6	
1I	32	-27578	-6	-0	0	-1	2	1313.2	5.8	0.8	0.0	1319.0	6	
1M	32	-27042	-6	-0	0	-1	2	1287.7	5.8	0.8	0.0	1293.6	6	
2	32	-38420	6	-3	0	-1	1	1829.5	5.3	0.8	0.0	1834.8	6	
3	32	-24515	4	-2	0	-1	1	1167.4	3.2	0.5	0.0	1170.6	6	
4	32	-21865	4	-2	0	-1	1	1041.2	2.8	0.5	0.0	1044.0	6	
5	32	-24185	4	-2	0	-1	1	1151.7	3.1	0.5	0.0	1154.8	6	
6	32	-44255	-3	-2	0	-1	2	2107.4	8.4	0.4	0.0	2115.8	6	

7	32	-28555	-2	-1	0	-1	1	1359.8	5.1	0.3	0.0	1364.9	6
8	32	-25655	-2	-1	0	-1	1	1221.7	4.8	0.3	0.0	1226.5	6
9	32	-28545	-2	-1	0	-1	1	1359.3	5.1	0.3	0.0	1364.4	6
10	32	-40525	6	-3	0	-1	1	1929.8	5.8	0.8	0.0	1935.6	6
11	32	-25670	4	-2	0	-1	1	1222.4	3.5	0.5	0.0	1225.9	6
12	32	-23025	4	-2	0	-1	1	1096.4	3.1	0.5	0.0	1099.6	6
13	32	-25515	4	-2	0	-1	1	1215.0	3.4	0.5	0.0	1218.4	6
14	32	-42945	-4	-2	0	-1	2	2045.0	8.5	0.5	0.0	2053.5	6
15	32	-27585	-2	-1	0	-1	1	1313.6	5.0	0.3	0.0	1318.6	6
16	32	-24555	-2	-1	0	-1	1	1169.3	4.7	0.3	0.0	1174.0	6
17	32	-27735	-2	-1	0	-1	1	1320.7	5.0	0.3	0.0	1325.7	6
1A	64	-27479	-8	1	0	-1	-0	1308.5	2.6	1.0	0.0	1311.2	1
1E	64	-27141	-8	1	0	-1	-0	1292.4	2.6	1.0	0.0	1295.1	1
1I	64	-27578	-8	-0	0	-1	-1	1313.2	2.4	1.1	0.0	1315.7	6
1M	64	-27042	-8	-0	0	-1	-1	1287.7	2.4	1.1	0.0	1290.2	6
2	64	-38410	7	-4	0	0	3	1829.0	10.8	1.0	0.0	1839.8	6
3	64	-24510	5	-2	0	0	2	1167.1	6.6	0.6	0.0	1173.8	6
4	64	-21860	5	-2	0	0	2	1041.0	6.4	0.6	0.0	1047.3	6
5	64	-24180	5	-2	0	-0	2	1151.4	6.5	0.6	0.0	1157.9	6
6	64	-44250	-6	-3	0	-0	1	2107.1	3.3	0.8	0.0	2110.4	6
7	64	-28550	-3	-1	0	-0	1	1359.5	2.0	0.5	0.0	1361.6	6
8	64	-25650	-3	-1	0	-0	0	1221.4	1.7	0.5	0.0	1223.1	6
9	64	-28540	-3	-1	0	-0	1	1359.0	2.0	0.5	0.0	1361.1	6
10	64	-40520	7	-4	0	0	4	1929.5	11.1	1.0	0.0	1940.6	6
11	64	-25660	5	-3	0	0	2	1221.9	6.8	0.6	0.0	1228.7	6
12	64	-23020	5	-2	0	0	2	1096.2	6.6	0.6	0.0	1102.8	6
13	64	-25510	5	-2	0	-0	2	1214.8	6.7	0.6	0.0	1221.5	6
14	64	-42940	-6	-2	0	-0	1	2044.8	2.8	0.8	0.0	2047.6	6
15	64	-27580	-3	-1	0	-0	1	1313.3	2.0	0.5	0.0	1315.3	6
16	64	-24550	-3	-1	0	-0	0	1169.0	1.6	0.5	0.0	1170.7	6
17	64	-27730	-3	-1	0	-0	1	1320.5	2.0	0.5	0.0	1322.4	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27479	1	2	27	18	18	1.08	1.00	1419.9	
1E	-27141	1	2	27	18	18	1.08	1.00	1402.5	
1I	-27578	1	2	27	18	18	1.08	1.00	1425.4	
1M	-27042	1	2	27	18	18	1.08	1.00	1397.8	
2	-38430	1	2	27	18	18	1.08	1.00	1986.0	
3	-24520	1	1	27	18	18	1.08	1.00	1266.9	
4	-21870	1	1	27	18	18	1.08	1.00	1130.1	
5	-24190	1	1	27	18	18	1.08	1.00	1249.7	
6	-44260	1	2	27	18	18	1.08	1.00	2286.9	
7	-28560	1	1	27	18	18	1.08	1.00	1475.3	
8	-25660	1	1	27	18	18	1.08	1.00	1325.6	
9	-28550	1	1	27	18	18	1.08	1.00	1474.7	
10	-40530	1	2	27	18	18	1.08	1.00	2094.7	
11	-25680	1	1	27	18	18	1.08	1.00	1326.9	
12	-23030	1	1	27	18	18	1.08	1.00	1190.1	
13	-25520	1	1	27	18	18	1.08	1.00	1318.5	
14	-42950	1	2	27	18	18	1.08	1.00	2219.4	
15	-27590	1	1	27	18	18	1.08	1.00	1425.2	
16	-24560	1	1	27	18	18	1.08	1.00	1268.9	
17	-27740	1	1	27	18	18	1.08	1.00	1432.9	

ASTA NUM. 32 NI 118 NF 77 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27466	-0	5	0	3	2	1307.9	10.2	0.7	0.0	1318.2	1	
1E	0	-27074	-0	5	0	3	2	1289.2	10.2	0.7	0.0	1299.5	1	
1I	0	-27564	-2	4	0	2	2	1312.6	10.4	0.6	0.0	1322.9	1	
1M	0	-26976	-2	4	0	2	2	1284.6	10.4	0.6	0.0	1294.9	1	
2	0	-38550	8	3	0	2	-3	1835.7	10.5	1.1	0.0	1846.2	6	
3	0	-24640	5	2	0	1	-2	1173.3	6.4	0.7	0.0	1179.8	6	
4	0	-21910	5	2	0	1	-2	1043.3	6.5	0.7	0.0	1049.8	6	
5	0	-24490	5	2	0	1	-2	1166.2	6.5	0.7	0.0	1172.7	6	
6	0	-44240	3	5	0	3	1	2106.7	11.8	0.7	0.0	2118.5	1	
7	0	-28610	2	3	0	2	1	1362.4	6.9	0.4	0.0	1369.3	1	
8	0	-25590	1	3	0	2	1	1218.6	6.7	0.4	0.0	1225.3	1	
9	0	-28810	2	3	0	2	1	1371.9	6.4	0.4	0.0	1378.3	1	
10	0	-40630	9	4	0	2	-3	1934.8	10.7	1.2	0.0	1945.4	6	
11	0	-25780	5	2	0	1	-2	1227.6	6.6	0.7	0.0	1234.2	6	
12	0	-23040	5	2	0	1	-2	1097.1	6.6	0.7	0.0	1103.8	6	
13	0	-25780	5	2	0	1	-2	1227.6	6.6	0.7	0.0	1234.2	6	
14	0	-42920	3	5	0	3	1	2043.8	11.7	0.7	0.0	2055.5	1	
15	0	-27650	2	3	0	2	1	1316.7	6.7	0.4	0.0	1323.3	1	
16	0	-24500	2	3	0	2	1	1166.7	6.4	0.4	0.0	1173.1	1	
17	0	-27980	2	3	0	2	1	1332.4	6.2	0.4	0.0	1338.5	1	
1A	35	-27461	-3	5	0	1	1	1307.7	4.9	0.7	0.0	1312.6	6	
1E	35	-27069	-3	5	0	1	1	1289.0	4.9	0.7	0.0	1293.9	6	
1I	35	-27559	-5	4	0	1	1	1312.3	5.2	0.6	0.0	1317.6	6	
1M	35	-26971	-5	4	0	1	1	1284.3	5.2	0.6	0.0	1289.6	6	
2	35	-38540	10	2	0	1	1	1835.2	4.4	1.3	0.0	1839.6	1	
3	35	-24635	6	1	0	1	0	1173.1	2.5	0.8	0.0	1175.6	1	
4	35	-21900	6	1	0	1	0	1042.9	2.3	0.8	0.0	1045.1	1	
5	35	-24480	6	1	0	1	0	1165.7	2.1	0.8	0.0	1167.8	1	
6	35	-44230	0	5	0	2	2	2106.2	7.1	0.6	0.0	2113.3	1	
7	35	-28605	-0	3	0	1	1	1362.1	4.0	0.4	0.0	1366.2	6	
8	35	-25585	-0	3	0	1	1	1218.3	3.9	0.4	0.0	1222.3	1	
9	35	-28805	0	3	0	1	1	1371.7	3.9	0.4	0.0	1375.5	6	
10	35	-40620	10	3	0	1	1	1934.3	4.9	1.4	0.0	1939.2	1	
11	35	-25775	6	2	0	1	0	1227.4	2.7	0.8	0.0	1230.1	1	
12	35	-23035	6	1	0	1	0	1096.9	2.5	0.8	0.0	1099.5	1	
13	35	-25775	6	1	0	1	0	1227.4	2.4	0.8	0.0	1229.8	1	
14	35	-42915	-0	5	0	2	2	2043.6	7.2	0.6	0.0	2050.8	6	
15	35	-27645	-0	3	0	1	1	1316.4	4.0	0.4	0.0	1320.4	6	
16	35	-24495	-0	3	0	1	1	1166.4	3.8	0.4	0.0	1170.3	6	
17	35	-27975	0	3	0	1	1	1332.1	3.8	0.4	0.0	1336.0	6	
1A	69	-27456	-6	5	0	-1	-0	1307.4	3.1	0.8	0.0	1310.5	1	
1E	69	-27064	-6	5	0	-1	-0	1288.7	3.1	0.8	0.0	1291.8	1	
1I	69	-27554	-7	4	0	-0	-1	1312.1	2.8	1.0	0.0	1314.9	6	
1M	69	-26966	-7	4	0	-0	-1	1284.1	2.8	1.0	0.0	1286.9	6	
2	69	-38530	11	1	0	1	4	1834.8	13.7	1.5	0.0	1848.5	6	
3	69	-24630	7	1	0	0	3	1172.9	8.2	0.9	0.0	1181.1	6	
4	69	-21890	7	1	0	0	3	1042.4	8.0	0.9	0.0	1050.4	6	
5	69	-24470	7	1	0	0	3	1165.2	8.2	1.0	0.0	1173.4	6	
6	69	-44220	-3	5	0	0	1	2105.7	3.9	0.6	0.0	2109.6	6	
7	69	-28600	-2	3	0	-0	1	1361.9	2.0	0.4	0.0	1363.9	6	
8	69	-25580	-2	3	0	-0	1	1218.1	1.8	0.4	0.0	1219.9	6	
9	69	-28800	-2	3	0	-0	1	1371.4	2.2	0.3	0.0	1373.6	6	
10	69	-40610	12	2	0	1	4	1933.8	14.4	1.6	0.0	1948.2	6	
11	69	-25770	7	1	0	0	3	1227.1	8.6	1.0	0.0	1235.8	6	
12	69	-23030	7	1	0	0	3	1096.7	8.4	1.0	0.0	1105.1	6	
13	69	-25770	7	1	0	0	3	1227.1	8.5	1.0	0.0	1235.7	6	
14	69	-42910	-3	5	0	0	1	2043.3	3.6	0.6	0.0	2046.9	6	
15	69	-27640	-2	3	0	-0	1	1316.2	2.0	0.4	0.0	1318.2	6	
16	69	-24490	-2	3	0	-0	1	1166.2	1.9	0.3	0.0	1168.1	6	
17	69	-27970	-2	3	0	-0	1	1331.9	2.2	0.3	0.0	1334.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27466	1	1	30	19	19	1.11	1.00	1458.8	
1E	-27074	1	1	30	19	19	1.11	1.00	1438.0	
1I	-27564	1	1	30	19	19	1.11	1.00	1464.7	
1M	-26976	1	1	30	19	19	1.11	1.00	1433.6	
2	-38550	2	2	30	19	19	1.11	1.00	2048.0	
3	-24640	1	1	30	19	19	1.11	1.00	1308.4	
4	-21910	1	1	30	19	19	1.11	1.00	1163.9	
5	-24490	1	1	30	19	19	1.11	1.00	1300.1	
6	-44240	2	1	30	19	19	1.11	1.00	2348.8	
7	-28610	1	1	30	19	19	1.11	1.00	1518.1	
8	-25590	1	1	30	19	19	1.11	1.00	1358.3	
9	-28810	1	1	30	19	19	1.11	1.00	1528.3	
10	-40630	2	2	30	19	19	1.11	1.00	2158.7	
11	-25780	1	1	30	19	19	1.11	1.00	1369.1	
12	-23040	1	1	30	19	19	1.11	1.00	1224.0	
13	-25780	1	1	30	19	19	1.11	1.00	1368.7	
14	-42920	2	1	30	19	19	1.11	1.00	2279.0	
15	-27650	1	1	30	19	19	1.11	1.00	1467.2	
16	-24500	1	1	30	19	19	1.11	1.00	1300.4	
17	-27980	1	1	30	19	19	1.11	1.00	1484.3	

ASTA NUM. 33 NI 111 NF 86 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

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

1A	0	24394	-7	1	0	2	-2	1161.6	8.9	0.9	0.0	1170.5	6
1E	0	24646	-7	1	0	2	-2	1173.6	8.9	0.9	0.0	1182.5	6
1I	0	24291	-7	0	0	2	-2	1156.7	7.8	1.0	0.0	1164.6	6
1M	0	24749	-7	0	0	2	-2	1178.5	7.8	1.0	0.0	1186.4	6
2	0	34300	-15	-2	0	1	0	1633.3	4.4	2.0	0.0	1637.8	1
3	0	19600	-9	-1	0	1	0	933.3	2.5	1.2	0.0	935.9	1
4	0	17680	-9	-1	0	1	0	841.9	2.6	1.2	0.0	844.5	1
5	0	20580	-9	-1	0	1	0	980.0	2.5	1.2	0.0	982.5	1
6	0	40150	-11	-0	0	2	-3	1911.9	12.1	1.5	0.0	1924.0	6
7	0	22520	-7	-0	0	1	-2	1072.4	6.6	0.9	0.0	1079.0	6
8	0	20910	-7	-0	0	1	-2	995.7	6.7	0.9	0.0	1002.4	6
9	0	24720	-7	-0	0	1	-2	1177.1	7.2	0.9	0.0	1184.3	6
10	0	38920	-16	-1	0	2	0	1853.3	5.0	2.1	0.0	1858.4	1
11	0	22300	-9	-1	0	1	0	1061.9	2.9	1.3	0.0	1064.8	1
12	0	20730	-10	-1	0	1	0	987.1	2.9	1.3	0.0	990.1	1
13	0	23050	-9	-1	0	1	0	1097.6	2.8	1.3	0.0	1100.4	1
14	0	41470	-11	-0	0	2	-3	1974.8	11.2	1.5	0.0	1985.9	6
15	0	23160	-6	-0	0	1	-2	1102.9	6.2	0.9	0.0	1109.0	6
16	0	22000	-7	-0	0	1	-2	1047.6	6.6	0.9	0.0	1054.3	6
17	0	24800	-7	-0	0	1	-2	1181.0	6.5	0.9	0.0	1187.4	6
1A	30	24399	-9	1	0	2	-5	1161.9	15.8	1.2	0.0	1177.6	6
1E	30	24651	-9	1	0	2	-5	1173.9	15.8	1.2	0.0	1189.6	6
1I	30	24296	-10	0	0	2	-5	1157.0	15.7	1.3	0.0	1172.7	6
1M	30	24754	-10	0	0	2	-5	1178.8	15.7	1.3	0.0	1194.5	6
2	30	34305	-23	-2	0	2	-5	1633.6	18.7	3.1	0.0	1652.3	6
3	30	19600	-14	-2	0	1	-3	933.3	10.8	1.9	0.0	944.1	6
4	30	17680	-14	-2	0	1	-3	841.9	10.7	1.9	0.0	852.6	6
5	30	20580	-14	-2	0	1	-3	980.0	11.1	1.9	0.0	991.1	6
6	30	40155	-16	-1	0	2	-7	1912.1	25.0	2.1	0.0	1937.1	6
7	30	22525	-10	-1	0	1	-4	1072.6	14.4	1.3	0.0	1087.0	6
8	30	20910	-10	-1	0	1	-4	995.7	14.5	1.3	0.0	1010.2	6
9	30	24725	-10	-0	0	1	-4	1177.4	15.2	1.3	0.0	1192.6	6
10	30	38925	-24	-2	0	2	-6	1853.6	20.7	3.2	0.0	1874.2	6
11	30	22305	-15	-1	0	1	-3	1062.1	11.9	2.0	0.0	1074.0	6
12	30	20730	-15	-1	0	1	-3	987.1	12.1	2.0	0.0	999.3	6
13	30	23050	-15	-1	0	1	-3	1097.6	12.0	2.0	0.0	1109.6	6
14	30	41475	-16	-1	0	2	-7	1975.0	24.0	2.2	0.0	1999.0	6
15	30	23165	-9	-0	0	1	-4	1103.1	13.7	1.3	0.0	1116.8	6
16	30	22005	-10	-0	0	1	-4	1047.9	14.4	1.3	0.0	1062.2	6
17	30	24805	-10	-0	0	1	-4	1181.2	14.1	1.3	0.0	1195.3	6
1A	61	24404	-12	1	0	1	-8	1162.1	25.0	1.6	0.0	1187.1	6
1E	61	24656	-12	1	0	1	-8	1174.1	25.0	1.6	0.0	1199.1	6
1I	61	24301	-12	0	0	1	-8	1157.2	26.0	1.7	0.0	1183.2	6
1M	61	24759	-12	0	0	1	-8	1179.0	26.0	1.7	0.0	1205.0	6
2	61	34310	-32	-3	0	3	-14	1633.8	45.4	4.3	0.0	1679.2	6
3	61	19600	-20	-2	0	2	-8	933.3	27.2	2.6	0.0	960.6	6
4	61	17680	-20	-2	0	2	-8	841.9	27.1	2.6	0.0	869.0	6
5	61	20580	-20	-2	0	2	-8	980.0	27.6	2.6	0.0	1007.6	6
6	61	40160	-21	-1	0	3	-13	1912.4	42.3	2.8	0.0	1954.7	6
7	61	22530	-13	-1	0	2	-8	1072.9	25.0	1.7	0.0	1097.8	6
8	61	20910	-13	-1	0	2	-8	995.7	25.1	1.7	0.0	1020.8	6
9	61	24730	-13	-1	0	2	-8	1177.6	25.9	1.7	0.0	1203.6	6
10	61	38930	-32	-3	0	3	-15	1853.8	47.8	4.3	0.0	1901.6	6
11	61	22310	-20	-2	0	2	-9	1062.4	28.6	2.7	0.0	1091.0	6
12	61	20730	-20	-2	0	2	-9	987.1	29.0	2.7	0.0	1016.1	6
13	61	23050	-20	-2	0	2	-9	1097.6	28.7	2.7	0.0	1126.3	6
14	61	41480	-21	-1	0	3	-13	1975.2	41.5	2.8	0.0	2016.7	6
15	61	23170	-12	-1	0	2	-7	1103.3	24.0	1.7	0.0	1127.4	6
16	61	22010	-13	-1	0	2	-8	1048.1	24.9	1.7	0.0	1073.0	6
17	61	24810	-12	-1	0	2	-7	1181.4	24.5	1.7	0.0	1205.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24404	2	6	26	17	17	1.00	1.00	1183.9	
1E	24656	2	6	26	17	17	1.00	1.00	1195.9	
1I	24301	2	6	26	17	17	1.00	1.00	1178.9	
1M	24759	2	6	26	17	17	1.00	1.00	1200.7	
2	34310	2	8	26	17	17	1.00	1.00	1665.2	
3	19600	1	5	26	17	17	1.00	1.00	951.8	
4	17680	1	5	26	17	17	1.00	1.00	860.3	
5	20580	1	5	26	17	17	1.00	1.00	998.8	
6	40160	2	9	26	17	17	1.00	1.00	1947.4	
7	22530	1	5	26	17	17	1.00	1.00	1093.2	
8	20910	1	5	26	17	17	1.00	1.00	1016.2	
9	24730	1	5	26	17	17	1.00	1.00	1198.9	
10	38930	2	9	26	17	17	1.00	1.00	1887.7	
11	22310	1	5	26	17	17	1.00	1.00	1082.3	
12	20730	1	5	26	17	17	1.00	1.00	1007.4	
13	23050	1	5	26	17	17	1.00	1.00	1117.6	
14	41480	2	9	26	17	17	1.00	1.00	2009.4	
15	23170	1	5	26	17	17	1.00	1.00	1122.9	
16	22010	1	5	26	17	17	1.00	1.00	1068.5	
17	24810	1	5	26	17	17	1.00	1.00	1201.4	

ASTA NUM. 34 NI 112 NF 53 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24101	5	0	0	-1	-1	1147.7	4.3	0.7	0.0	1152.0	6	
1E	0	24259	5	0	0	-1	-1	1155.2	4.3	0.7	0.0	1159.5	6	
1I	0	23983	4	0	0	-1	-1	1142.0	3.7	0.6	0.0	1145.8	6	
1M	0	24377	4	0	0	-1	-1	1160.8	3.7	0.6	0.0	1164.6	6	
2	0	33650	-0	-0	0	-2	2	1602.4	8.1	0.1	0.0	1610.4	6	
3	0	19120	-1	-0	0	-1	1	910.5	5.5	0.1	0.0	915.9	6	
4	0	17340	-0	-1	0	-1	2	825.7	6.3	0.1	0.0	832.0	6	
5	0	19840	-0	-1	0	-1	2	944.8	5.9	0.1	0.0	950.7	6	
6	0	39570	7	0	0	-1	-2	1884.3	6.2	1.0	0.0	1890.5	6	
7	0	22050	4	-0	0	-1	-1	1050.0	3.1	0.6	0.0	1053.1	1	
8	0	20610	5	-1	0	-1	-1	981.4	2.9	0.6	0.0	984.3	1	
9	0	23920	5	-0	0	-1	-1	1139.0	3.3	0.6	0.0	1142.3	1	
10	0	38250	0	-0	0	-2	2	1821.4	7.0	0.0	0.0	1828.5	6	
11	0	21810	-0	-0	0	-1	1	1038.6	4.9	0.0	0.0	1043.5	6	
12	0	20370	1	-1	0	-1	2	970.0	5.9	0.1	0.0	975.9	6	
13	0	22320	0	-0	0	-1	1	1062.9	5.3	0.0	0.0	1068.2	6	
14	0	40880	6	0	0	-1	-2	1946.7	6.4	0.8	0.0	1953.0	6	
15	0	22690	3	-0	0	-1	-1	1080.5	3.4	0.5	0.0	1083.9	6	
16	0	21700	4	-1	0	-1	-1	1033.3	3.0	0.6	0.0	1036.3	1	
17	0	24040	4	-0	0	-1	-1	1144.8	3.3	0.5	0.0	1148.1	6	
1A	30	24106	3	0	0	-1	-0	1147.9	1.9	0.3	0.0	1149.8	1	
1E	30	24264	3	0	0	-1	-0	1155.4	1.9	0.3	0.0	1157.3	1	
1I	30	23988	2	0	0	-1	-0	1142.3	2.1	0.3	0.0	1144.3	1	
1M	30	24382	2	0	0	-1	-0	1161.1	2.1	0.3	0.0	1163.1	1	
2	30	33655	-9	-1	0	-1	1	1602.6	4.8	1.2	0.0	1607.4	1	
3	30	19125	-6	-1	0	-1	0	910.7	2.7	0.8	0.0	913.4	1	
4	30	17340	-5	-1	0	-1	1	825.7	3.3	0.7	0.0	829.0	6	
5	30	19845	-5	-1	0	-1	1	945.0	3.1	0.7	0.0	948.1	1	
6	30	39575	2	-0	0	-1	-0	1884.5	4.0	0.3	0.0	1888.5	1	
7	30	22050	1	-1	0	-1	0	1050.0	2.0	0.2	0.0	1052.0	1	
8	30	20615	2	-1	0	-0	0	981.7	1.9	0.2	0.0	983.6	1	
9	30	23925	2	-0	0	-1	0	1139.3	2.5	0.2	0.0	1141.8	1	
10	30	38250	-8	-1	0	-1	0	1821.4	5.0	1.1	0.0	1826.4	1	
11	30	21815	-5	-1	0	-1	0	1038.8	2.9	0.7	0.0	1041.7	1	
12	30	20370	-5	-1	0	-1	1	970.0	3.6	0.6	0.0	973.6	6	
13	30	22320	-5	-1	0	-1	1	1062.9	3.2	0.7	0.0	1066.1	1	
14	30	40885	1	0	0	-1	-1	1946.9	4.6	0.1	0.0	1951.5	1	
15	30	22690	0	-0	0	-1	-0	1080.5	2.2	0.1	0.0	1082.7	1	
16	30	21705	1	-1	0	-1	0	1033.6	2.0	0.2	0.0	1035.6	1	
17	30	24045	1	-0	0	-1	-0	1145.0	2.3	0.1	0.0	1147.3	1	
1A	61	24111	0	0	0	-1	0	1148.1	2.4	0.0	0.0	1150.6	1	
1E	61	24269	0	0	0	-1	0	1155.7	2.4	0.0	0.0	1158.1	1	
1I	61	23993	-1	0	0	-1	0	1142.5	2.3	0.1	0.0	1144.8	1	
1M	61	24387	-1	0	0	-1	0	1161.3	2.3	0.1	0.0	1163.6	1	
2	61	33660	-17	-2	0	-1	-3	1602.9	11.1	2.3	0.0	1614.0	6	
3	61	19130	-11	-2	0	-0	-2	911.0	6.8	1.5	0.0	917.7	6	
4	61	17340	-11	-2	0	-0	-2	825.7	4.8	1.4	0.0	830.6	6	
5	61	19850	-11	-2	0	-0	-2	945.2	5.6	1.4	0.0	950.9	6	
6	61	39580	-2	-0	0	-1	-0	1884.8	3.8	0.3	0.0	1888.6	1	
7	61	22050	-2	-1	0	-0	-0	1050.0	1.4	0.2	0.0	1051.4	1	
8	61	20620	-1	-1	0	-0	0	981.9	1.5	0.2	0.0	983.4	6	
9	61	23930	-1	-1	0	-1	0	1139.5	2.2	0.2	0.0	1141.7	1	
10	61	38250	-17	-2	0	-1	-3	1821.4	11.3	2.2	0.0	1832.7	6	
11	61	21820	-11	-1	0	-0	-2	1039.0	6.8	1.4	0.0	1045.9	6	
12	61	20370	-10	-2	0	-0	-1	970.0	4.1	1.3	0.0	974.1	6	
13	61	22320	-10	-1	0	-0	-2	1062.9	6.0	1.4	0.0	1068.9	6	
14	61	40890	-4	-0	0	-1	-1	1947.1	5.0	0.5	0.0	1952.2	1	
15	61	22690	-2	-1	0	-0	-1	1080.5	2.2	0.3	0.0	1082.7	6	
16	61	21710	-1	-1	0	-0	0	1033.8	1.4	0.2	0.0	1035.2	6	
17	61	24050	-2	-0	0	-1	-0	1145.2	2.2	0.3	0.0	1147.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	24111	1	1	26	17	17	1.00	1.00	1151.8
1E	24269	1	1	26	17	17	1.00	1.00	1159.4
1I	23993	1	1	26	17	17	1.00	1.00	1146.2
1M	24387	1	1	26	17	17	1.00	1.00	1165.0
2	33660	1	1	26	17	17	1.00	1.00	1610.8
3	19130	1	1	26	17	17	1.00	1.00	915.6
4	17340	1	1	26	17	17	1.00	1.00	829.6
5	19850	1	1	26	17	17	1.00	1.00	949.6
6	39580	1	1	26	17	17	1.00	1.00	1891.5
7	22050	1	0	26	17	17	1.00	1.00	1053.3
8	20620	1	0	26	17	17	1.00	1.00	984.2
9	23930	1	0	26	17	17	1.00	1.00	1142.6
10	38250	1	1	26	17	17	1.00	1.00	1829.7
11	21820	1	1	26	17	17	1.00	1.00	1043.9
12	20370	1	1	26	17	17	1.00	1.00	973.9
13	22320	1	1	26	17	17	1.00	1.00	1067.5
14	40890	1	1	26	17	17	1.00	1.00	1955.2
15	22690	1	1	26	17	17	1.00	1.00	1084.6
16	21710	1	0	26	17	17	1.00	1.00	1036.1
17	24050	1	1	26	17	17	1.00	1.00	1149.2

ASTA NUM. 35 NI 110 NF 82 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24391	-1	-2	0	-1	0	1161.5	3.7	0.2	0.0	1165.2	1	
1E	0	24729	-1	-2	0	-1	0	1177.6	3.7	0.2	0.0	1181.3	1	
1I	0	24292	-2	-3	0	-2	0	1156.8	5.1	0.4	0.0	1161.9	1	
1M	0	24828	-2	-3	0	-2	0	1182.3	5.1	0.4	0.0	1187.4	1	
2	0	34570	-8	-6	0	-3	4	1646.2	15.4	1.1	0.0	1661.6	6	
3	0	19840	-5	-3	0	-2	3	944.8	9.7	0.7	0.0	954.5	6	
4	0	17810	-5	-3	0	-2	3	848.1	9.8	0.7	0.0	857.9	6	
5	0	21030	-5	-3	0	-2	2	1001.4	9.7	0.7	0.0	1011.1	6	
6	0	40260	-3	-5	0	-3	1	1917.1	9.5	0.7	0.0	1926.7	1	
7	0	22700	-2	-3	0	-2	0	1081.0	5.6	0.4	0.0	1086.6	1	
8	0	20940	-2	-3	0	-2	0	997.1	5.5	0.4	0.0	1002.7	1	
9	0	25160	-2	-3	0	-2	0	1198.1	5.8	0.4	0.0	1203.9	1	
10	0	39170	-8	-6	0	-3	4	1865.2	15.1	1.1	0.0	1880.4	6	
11	0	22530	-5	-4	0	-2	2	1072.9	9.6	0.7	0.0	1082.4	6	
12	0	20850	-5	-4	0	-2	2	992.9	9.6	0.7	0.0	1002.5	6	
13	0	23480	-5	-4	0	-2	2	1118.1	9.6	0.7	0.0	1127.6	6	
14	0	41570	-3	-6	0	-3	1	1979.5	10.1	0.7	0.0	1989.6	1	
15	0	23350	-2	-3	0	-2	0	1111.9	5.8	0.4	0.0	1117.7	1	
16	0	22040	-2	-3	0	-2	0	1049.5	5.7	0.4	0.0	1055.2	1	
17	0	25220	-2	-3	0	-2	0	1201.0	5.9	0.4	0.0	1206.9	1	
1A	32	24396	-4	-2	0	-1	-1	1161.7	3.0	0.5	0.0	1164.7	6	
1E	32	24734	-4	-2	0	-1	-1	1177.8	3.0	0.5	0.0	1180.8	6	
1I	32	24297	-5	-3	0	-1	-1	1157.0	3.0	0.6	0.0	1160.0	6	
1M	32	24833	-5	-3	0	-1	-1	1182.5	3.0	0.6	0.0	1185.5	6	
2	32	34570	-17	-6	0	-1	-0	1646.2	3.5	2.3	0.0	1649.6	1	
3	32	19840	-11	-4	0	-1	0	944.8	2.0	1.4	0.0	946.7	1	
4	32	17810	-11	-4	0	-1	0	848.1	1.9	1.4	0.0	850.0	1	
5	32	21035	-11	-4	0	-1	-0	1001.7	2.1	1.4	0.0	1003.7	1	
6	32	40265	-8	-6	0	-1	-1	1917.4	4.8	1.0	0.0	1922.2	1	
7	32	22705	-5	-3	0	-1	-1	1081.2	2.7	0.6	0.0	1083.9	1	
8	32	20945	-5	-3	0	-1	-1	997.4	2.5	0.6	0.0	999.9	1	
9	32	25160	-5	-3	0	-1	-1	1198.1	3.0	0.6	0.0	1201.1	1	
10	32	39175	-17	-7	0	-1	-0	1865.5	4.1	2.3	0.0	1869.5	1	
11	32	22535	-11	-4	0	-1	-0	1073.1	2.3	1.4	0.0	1075.4	1	
12	32	20850	-11	-4	0	-1	-0	992.9	2.1	1.4	0.0	995.0	1	
13	32	23480	-11	-4	0	-1	-0	1118.1	2.4	1.4	0.0	1120.5	1	
14	32	41580	-8	-6	0	-1	-1	1980.0	4.9	1.1	0.0	1984.9	1	
15	32	23350	-5	-3	0	-1	-1	1111.9	2.8	0.6	0.0	1114.7	1	
16	32	22045	-5	-3	0	-1	-1	1049.8	2.6	0.6	0.0	1052.4	1	
17	32	25225	-5	-3	0	-1	-1	1201.2	3.0	0.6	0.0	1204.2	1	
1A	64	24401	-7	-2	0	-0	-2	1161.9	7.4	0.9	0.0	1169.3	6	
1E	64	24739	-7	-2	0	-0	-2	1178.1	7.4	0.9	0.0	1185.4	6	
1I	64	24302	-7	-3	0	0	-3	1157.3	8.4	1.0	0.0	1165.7	6	
1M	64	24838	-7	-3	0	0	-3	1182.7	8.4	1.0	0.0	1191.1	6	
2	64	34570	-26	-7	0	1	-7	1646.2	22.2	3.4	0.0	1668.4	6	
3	64	19840	-16	-4	0	1	-4	944.8	13.7	2.2	0.0	958.5	6	
4	64	17810	-16	-4	0	1	-4	848.1	13.6	2.2	0.0	861.7	6	
5	64	21040	-16	-4	0	1	-4	1001.9	13.8	2.2	0.0	1015.7	6	
6	64	40270	-13	-6	0	1	-4	1917.6	14.0	1.7	0.0	1931.6	6	
7	64	22710	-8	-3	0	0	-3	1081.4	8.4	1.1	0.0	1089.9	6	
8	64	20950	-8	-3	0	0	-3	997.6	8.4	1.1	0.0	1006.0	6	
9	64	25160	-8	-3	0	0	-3	1198.1	8.6	1.1	0.0	1206.7	6	
10	64	39180	-26	-8	0	1	-7	1865.7	22.8	3.4	0.0	1888.5	6	
11	64	22540	-16	-5	0	1	-4	1073.3	14.0	2.1	0.0	1087.3	6	
12	64	20850	-16	-5	0	1	-4	992.9	13.9	2.1	0.0	1006.8	6	
13	64	23480	-16	-5	0	1	-4	1118.1	14.1	2.1	0.0	1132.1	6	
14	64	41590	-13	-6	0	1	-4	1980.5	14.5	1.8	0.0	1994.9	6	
15	64	23350	-8	-3	0	0	-3	1111.9	8.5	1.1	0.0	1120.4	6	
16	64	22050	-8	-3	0	0	-3	1050.0	8.5	1.1	0.0	1058.5	6	
17	64	25230	-8	-4	0	0	-3	1201.4	8.6	1.1	0.0	1210.0	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24401	1	1	27	18	18	1.00	1.00	1168.5	
1E	24739	1	1	27	18	18	1.00	1.00	1184.6	
1I	24302	1	1	27	18	18	1.00	1.00	1164.3	
1M	24838	1	1	27	18	18	1.00	1.00	1189.8	
2	34570	1	3	27	18	18	1.00	1.00	1658.8	
3	19840	1	2	27	18	18	1.00	1.00	952.4	
4	17810	1	2	27	18	18	1.00	1.00	855.5	
5	21040	1	2	27	18	18	1.00	1.00	1009.7	
6	40270	1	2	27	18	18	1.00	1.00	1929.4	
7	22710	1	1	27	18	18	1.00	1.00	1088.3	
8	20950	1	1	27	18	18	1.00	1.00	1004.2	
9	25160	1	1	27	18	18	1.00	1.00	1205.4	
10	39180	2	3	27	18	18	1.00	1.00	1879.0	
11	22540	1	2	27	18	18	1.00	1.00	1081.3	
12	20850	1	2	27	18	18	1.00	1.00	1000.7	
13	23480	1	2	27	18	18	1.00	1.00	1126.2	
14	41590	2	2	27	18	18	1.00	1.00	1992.6	
15	23350	1	1	27	18	18	1.00	1.00	1118.8	
16	22050	1	1	27	18	18	1.00	1.00	1056.8	
17	25230	1	1	27	18	18	1.00	1.00	1208.7	

ASTA NUM. 36 NI 109 NF 78 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24384	-3	3	0	2	1	1161.1	7.8	0.4	0.0	1168.9	1	
1E	0	24776	-3	3	0	2	1	1179.8	7.8	0.4	0.0	1187.6	1	
1I	0	24286	-4	2	0	2	2	1156.5	7.9	0.6	0.0	1164.4	1	
1M	0	24874	-4	2	0	2	2	1184.5	7.9	0.6	0.0	1192.4	1	
2	0	34780	-11	0	0	1	6	1656.2	21.3	1.5	0.0	1677.5	6	
3	0	20040	-7	-0	0	1	4	954.3	13.3	1.0	0.0	967.6	6	
4	0	17920	-7	-0	0	1	4	853.3	13.1	0.9	0.0	866.5	6	
5	0	21410	-7	0	0	1	4	1019.5	13.1	0.9	0.0	1032.7	6	
6	0	40330	-6	2	0	3	3	1920.5	11.0	0.8	0.0	1931.5	6	
7	0	22850	-4	1	0	1	2	1088.1	6.9	0.5	0.0	1095.0	6	
8	0	20960	-3	1	0	1	2	998.1	6.7	0.5	0.0	1004.8	6	
9	0	25510	-4	1	0	1	2	1214.8	6.7	0.5	0.0	1221.4	6	
10	0	39360	-12	1	0	2	6	1874.3	21.6	1.5	0.0	1895.9	6	
11	0	22720	-7	0	0	1	4	1081.9	13.5	1.0	0.0	1095.4	6	
12	0	20940	-7	0	0	1	4	997.1	13.2	0.9	0.0	1010.4	6	
13	0	23830	-7	0	0	1	4	1134.8	13.3	1.0	0.0	1148.1	6	
14	0	41640	-6	2	0	3	3	1982.9	11.5	0.8	0.0	1994.4	6	
15	0	23490	-4	1	0	1	2	1118.6	6.9	0.5	0.0	1125.5	6	
16	0	22060	-3	1	0	2	2	1050.5	6.7	0.5	0.0	1057.1	6	
17	0	25560	-4	1	0	1	2	1217.1	6.8	0.5	0.0	1223.9	6	
1A	35	24389	-6	3	0	1	-0	1161.4	3.7	0.8	0.0	1165.1	1	
1E	35	24781	-6	3	0	1	-0	1180.1	3.7	0.8	0.0	1183.8	1	
1I	35	24291	-7	2	0	1	-0	1156.7	4.0	1.0	0.0	1160.8	1	
1M	35	24879	-7	2	0	1	-0	1184.7	4.0	1.0	0.0	1188.8	1	
2	35	34785	-21	-1	0	1	1	1656.4	5.5	2.8	0.0	1661.9	1	
3	35	20040	-13	-1	0	1	1	954.3	3.2	1.8	0.0	957.5	1	
4	35	17920	-13	-1	0	1	1	853.3	3.2	1.7	0.0	856.5	1	
5	35	21415	-13	-1	0	1	1	1019.8	3.1	1.7	0.0	1022.9	1	
6	35	40335	-11	2	0	2	-0	1920.7	6.4	1.5	0.0	1927.1	1	
7	35	22855	-7	1	0	1	-0	1088.3	3.5	0.9	0.0	1091.8	1	
8	35	20965	-7	1	0	1	-0	998.3	3.6	0.9	0.0	1001.9	1	
9	35	25515	-7	1	0	1	-0	1215.0	3.7	0.9	0.0	1218.7	1	
10	35	39365	-21	-0	0	2	1	1874.5	6.1	2.8	0.0	1880.6	1	
11	35	22720	-13	-0	0	1	0	1081.9	3.6	1.8	0.0	1085.5	1	
12	35	20945	-13	-0	0	1	0	997.4	3.6	1.7	0.0	1000.9	1	
13	35	23835	-13	-0	0	1	0	1135.0	3.5	1.8	0.0	1138.5	1	
14	35	41650	-11	2	0	2	-0	1983.3	6.5	1.5	0.0	1989.9	1	

15	35	23495	-7	1	0	1	-0	1118.8	3.6	0.9	0.0	1122.4	1
16	35	22065	-7	1	0	1	-0	1050.7	3.8	0.9	0.0	1054.5	1
17	35	25560	-7	1	0	1	-0	1217.1	3.7	0.9	0.0	1220.8	1
1A	69	24394	-9	3	0	0	-3	1161.6	9.1	1.2	0.0	1170.7	6
1E	69	24786	-9	3	0	0	-3	1180.3	9.1	1.2	0.0	1189.4	6
1I	69	24296	-10	2	0	1	-3	1157.0	10.7	1.4	0.0	1167.6	6
1M	69	24884	-10	2	0	1	-3	1185.0	10.7	1.4	0.0	1195.6	6
2	69	34790	-31	-2	0	2	-8	1656.7	27.1	4.1	0.0	1683.7	6
3	69	20040	-19	-1	0	1	-5	954.3	16.8	2.6	0.0	971.0	6
4	69	17920	-19	-1	0	1	-5	853.3	16.6	2.5	0.0	869.9	6
5	69	21420	-19	-1	0	1	-5	1020.0	16.8	2.5	0.0	1036.8	6
6	69	40340	-17	1	0	1	-5	1921.0	17.3	2.2	0.0	1938.3	6
7	69	22860	-10	1	0	1	-3	1088.6	10.6	1.4	0.0	1099.2	6
8	69	20970	-10	1	0	1	-3	998.6	10.5	1.4	0.0	1009.1	6
9	69	25520	-10	1	0	1	-3	1215.2	10.8	1.4	0.0	1226.0	6
10	69	39370	-31	-1	0	2	-8	1874.8	27.6	4.1	0.0	1902.3	6
11	69	22720	-19	-1	0	1	-5	1081.9	17.0	2.6	0.0	1098.9	6
12	69	20950	-19	-1	0	1	-5	997.6	16.9	2.5	0.0	1014.6	6
13	69	23840	-19	-1	0	1	-5	1135.2	17.0	2.6	0.0	1152.3	6
14	69	41660	-17	1	0	1	-5	1983.8	17.6	2.3	0.0	2001.4	6
15	69	23500	-10	1	0	1	-3	1119.0	10.5	1.4	0.0	1129.6	6
16	69	22070	-10	1	0	1	-3	1051.0	10.5	1.4	0.0	1061.4	6
17	69	25560	-10	1	0	1	-3	1217.1	10.6	1.4	0.0	1227.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24394	1	1	30	19	19	1.00	1.00	1169.3	
1E	24786	1	1	30	19	19	1.00	1.00	1188.0	
1I	24296	1	1	30	19	19	1.00	1.00	1165.2	
1M	24884	1	1	30	19	19	1.00	1.00	1193.2	
2	34790	2	3	30	19	19	1.00	1.00	1671.8	
3	20040	1	2	30	19	19	1.00	1.00	963.5	
4	17920	1	2	30	19	19	1.00	1.00	862.4	
5	21420	1	2	30	19	19	1.00	1.00	1029.2	
6	40340	2	2	30	19	19	1.00	1.00	1933.8	
7	22860	1	1	30	19	19	1.00	1.00	1096.0	
8	20970	1	1	30	19	19	1.00	1.00	1006.1	
9	25520	1	1	30	19	19	1.00	1.00	1222.9	
10	39370	2	3	30	19	19	1.00	1.00	1890.7	
11	22720	1	2	30	19	19	1.00	1.00	1091.6	
12	20950	1	2	30	19	19	1.00	1.00	1007.3	
13	23840	1	2	30	19	19	1.00	1.00	1144.9	
14	41660	2	2	30	19	19	1.00	1.00	1996.9	
15	23500	1	1	30	19	19	1.00	1.00	1126.6	
16	22070	1	1	30	19	19	1.00	1.00	1058.6	
17	25560	1	1	30	19	19	1.00	1.00	1224.7	

ASTA NUM. 37 NI 115 NF 83 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25594	-6	2	0	-1	-2	1218.8	7.3	0.8	0.0	1226.0	6	
1E	0	25846	-6	2	0	-1	-2	1230.8	7.3	0.8	0.0	1238.1	6	
1I	0	25491	-7	1	0	-1	-2	1213.9	6.8	0.9	0.0	1220.7	6	
1M	0	25949	-7	1	0	-1	-2	1235.6	6.8	0.9	0.0	1242.5	6	
2	0	34560	-15	1	0	-1	1	1645.7	4.6	2.0	0.0	1650.3	1	
3	0	19280	-9	1	0	-1	1	918.1	3.3	1.1	0.0	921.4	6	
4	0	19790	-8	1	0	-1	1	942.4	3.5	1.1	0.0	945.9	6	
5	0	18920	-9	1	0	-1	1	901.0	3.0	1.2	0.0	903.9	6	
6	0	41780	-11	0	0	-2	-3	1989.5	11.2	1.5	0.0	2000.7	6	
7	0	22800	-6	0	0	-1	-1	1085.7	5.0	0.8	0.0	1090.7	6	
8	0	24230	-6	0	0	-1	-1	1153.8	5.0	0.8	0.0	1158.8	6	
9	0	23350	-7	0	0	-1	-2	1111.9	6.2	0.9	0.0	1118.1	6	
10	0	40520	-15	1	0	-2	0	1929.5	5.1	2.0	0.0	1934.6	1	
11	0	22820	-9	1	0	-1	1	1086.7	3.2	1.2	0.0	1089.8	1	
12	0	23670	-9	1	0	-1	1	1127.1	3.0	1.2	0.0	1130.2	1	
13	0	22240	-9	1	0	-1	1	1059.0	3.2	1.2	0.0	1062.2	1	
14	0	43100	-11	0	0	-2	-3	2052.4	10.2	1.4	0.0	2062.6	6	
15	0	23440	-6	0	0	-1	-1	1116.2	4.8	0.8	0.0	1121.0	1	
16	0	25300	-6	0	0	-1	-1	1204.8	4.8	0.8	0.0	1209.6	1	
17	0	23440	-6	0	0	-1	-1	1116.2	5.4	0.8	0.0	1121.6	6	
1A	30	25599	-9	2	0	-1	-4	1219.0	14.9	1.2	0.0	1233.9	6	
1E	30	25851	-9	2	0	-1	-4	1231.0	14.9	1.2	0.0	1245.9	6	
1I	30	25496	-10	1	0	-1	-4	1214.1	14.8	1.3	0.0	1228.9	6	
1M	30	25954	-10	1	0	-1	-4	1235.9	14.8	1.3	0.0	1250.7	6	
2	30	34565	-23	2	0	-2	-5	1646.0	17.3	3.1	0.0	1663.3	6	
3	30	19285	-14	1	0	-1	-3	918.3	8.9	1.8	0.0	927.3	6	
4	30	19795	-14	1	0	-1	-2	942.6	8.4	1.8	0.0	951.0	6	
5	30	18925	-14	1	0	-1	-3	901.2	9.7	1.9	0.0	910.9	6	
6	30	41790	-16	1	0	-2	-7	1990.0	23.6	2.1	0.0	2013.6	6	
7	30	22800	-9	0	0	-1	-3	1085.7	12.0	1.2	0.0	1097.7	6	
8	30	24230	-9	0	0	-1	-3	1153.8	11.9	1.2	0.0	1165.8	6	
9	30	23355	-9	0	0	-1	-4	1112.1	13.7	1.3	0.0	1125.9	6	
10	30	40525	-24	2	0	-2	-6	1929.8	19.4	3.2	0.0	1949.2	6	
11	30	22825	-14	1	0	-1	-3	1086.9	10.1	1.9	0.0	1097.0	6	
12	30	23670	-14	1	0	-1	-3	1127.1	9.8	1.9	0.0	1137.0	6	
13	30	22240	-14	1	0	-1	-3	1059.0	10.7	1.9	0.0	1069.7	6	
14	30	43105	-16	0	0	-2	-7	2052.6	22.6	2.1	0.0	2075.2	6	
15	30	23440	-9	0	0	-1	-3	1116.2	11.3	1.2	0.0	1127.5	6	
16	30	25305	-9	0	0	-1	-3	1205.0	11.6	1.2	0.0	1216.6	6	
17	30	23445	-9	0	0	-1	-4	1116.4	12.6	1.2	0.0	1129.0	6	
1A	61	25604	-11	2	0	-2	-7	1219.2	24.8	1.5	0.0	1244.0	6	
1E	61	25856	-11	2	0	-2	-7	1231.2	24.8	1.5	0.0	1256.0	6	
1I	61	25501	-12	1	0	-2	-8	1214.4	25.2	1.6	0.0	1239.5	6	
1M	61	25959	-12	1	0	-2	-8	1236.1	25.2	1.6	0.0	1261.3	6	
2	61	34570	-31	3	0	-3	-13	1646.2	43.6	4.2	0.0	1689.8	6	
3	61	19290	-19	2	0	-2	-8	918.6	24.8	2.5	0.0	943.4	6	
4	61	19800	-19	2	0	-1	-7	942.9	24.1	2.5	0.0	967.0	6	
5	61	18930	-19	2	0	-2	-8	901.4	25.8	2.6	0.0	927.3	6	
6	61	41800	-20	1	0	-2	-12	1990.5	40.5	2.7	0.0	2031.0	6	
7	61	22800	-12	0	0	-1	-7	1085.7	21.8	1.6	0.0	1107.5	6	
8	61	24230	-12	0	0	-1	-7	1153.8	21.7	1.6	0.0	1175.5	6	
9	61	23360	-12	0	0	-2	-7	1112.4	24.1	1.7	0.0	1136.4	6	
10	61	40530	-32	3	0	-3	-14	1930.0	46.1	4.3	0.0	1976.1	6	
11	61	22830	-19	2	0	-2	-8	1087.1	26.3	2.6	0.0	1113.4	6	
12	61	23670	-19	2	0	-2	-8	1127.1	25.9	2.6	0.0	1153.0	6	
13	61	22240	-20	2	0	-2	-8	1059.0	27.0	2.6	0.0	1086.1	6	
14	61	43110	-21	1	0	-2	-12	2052.9	39.6	2.8	0.0	2092.5	6	
15	61	23440	-12	0	0	-1	-6	1116.2	20.8	1.6	0.0	1137.0	6	
16	61	25310	-12	0	0	-1	-6	1205.2	21.2	1.6	0.0	1226.4	6	
17	61	23450	-12	0	0	-1	-7	1116.7	22.5	1.6	0.0	1139.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25604	2	5	26	17	17	1.00	1.00	1240.0	
1E	25856	2	5	26	17	17	1.00	1.00	1252.0	
1I	25501	1	5	26	17	17	1.00	1.00	1235.0	
1M	25959	1	5	26	17	17	1.00	1.00	1256.8	
2	34570	2	8	26	17	17	1.00	1.00	1676.0	
3	19290	1	4	26	17	17	1.00	1.00	934.9	
4	19800	1	4	26	17	17	1.00	1.00	958.5	
5	18930	1	4	26	17	17	1.00	1.00	918.7	
6	41800	2	9	26	17	17	1.00	1.00	2023.8	
7	22800	1	4	26	17	17	1.00	1.00	1103.3	
8	24230	1	4	26	17	17	1.00	1.00	1171.2	
9	23360	1	5	26	17	17	1.00	1.00	1132.0	
10	40530	2	8	26	17	17	1.00	1.00	1962.4	
11	22830	1	5	26	17	17	1.00	1.00	1105.0	
12	23670	1	4	26	17	17	1.00	1.00	1144.6	
13	22240	1	5	26	17	17	1.00	1.00	1077.6	
14	43110	2	8	26	17	17	1.00	1.00	2085.3	
15	23440	1	4	26	17	17	1.00	1.00	1133.0	
16	25310	1	4	26	17	17	1.00	1.00	1222.3	
17	23450	1	5	26	17	17	1.00	1.00	1135.0	

ASTA NUM. 38 NI 116 NF 54 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25331	4	-1	0	1	-1	1206.2	5.6	0.5	0.0	1211.8	6	
1E	0	25489	4	-1	0	1	-1	1213.8	5.6	0.5	0.0	1219.4	6	
1I	0	25213	3	-1	0	1	-1	1200.6	4.8	0.4	0.0	1205.4	6	
1M	0	25607	3	-1	0	1	-1	1219.4	4.8	0.4	0.0	1224.2	6	
2	0	34020	-2	-1	0	1	2	1620.0	7.1	0.3	0.0	1627.1	6	
3	0	19070	-3	-1	0	1	1	908.1	4.4	0.4	0.0	912.5	6	

4	0	19460	-3	-1	0	1	1	926.7	4.4	0.4	0.0	931.1	6
5	0	18950	-2	-0	0	1	1	902.4	5.3	0.2	0.0	907.7	6
6	0	41250	5	-1	0	1	-2	1964.3	7.4	0.7	0.0	1971.7	6
7	0	22650	1	-1	0	1	-1	1078.6	4.4	0.2	0.0	1083.0	6
8	0	23900	1	-1	0	1	-1	1138.1	4.6	0.2	0.0	1142.7	6
9	0	23480	3	-1	0	1	-1	1118.1	3.6	0.4	0.0	1121.7	6
10	0	39890	-1	-1	0	2	1	1899.5	6.3	0.2	0.0	1905.8	1
11	0	22560	-2	-1	0	1	1	1074.3	3.8	0.3	0.0	1078.0	1
12	0	23270	-2	-1	0	1	1	1108.1	3.8	0.3	0.0	1111.9	1
13	0	22200	-1	-1	0	1	1	1057.1	4.6	0.2	0.0	1061.7	6
14	0	42560	4	-1	0	1	-2	2026.7	7.6	0.5	0.0	2034.3	6
15	0	23290	1	-1	0	1	-1	1109.0	4.7	0.2	0.0	1113.8	6
16	0	24970	1	-2	0	1	-1	1189.0	4.8	0.2	0.0	1193.9	6
17	0	23550	2	-1	0	1	-1	1121.4	3.9	0.3	0.0	1125.3	6
1A	30	25336	1	-1	0	1	-1	1206.5	4.0	0.2	0.0	1210.5	1
1E	30	25494	1	-1	0	1	-1	1214.0	4.0	0.2	0.0	1218.0	1
1I	30	25218	1	-1	0	1	-1	1200.9	3.8	0.1	0.0	1204.6	1
1M	30	25612	1	-1	0	1	-1	1219.6	3.8	0.1	0.0	1223.4	1
2	30	34020	-10	0	0	2	-0	1620.0	4.9	1.4	0.0	1624.9	1
3	30	19070	-8	-0	0	1	-0	908.1	3.4	1.1	0.0	911.5	1
4	30	19460	-8	-0	0	1	-1	926.7	3.9	1.1	0.0	930.5	1
5	30	18955	-7	0	0	1	0	902.6	3.1	0.9	0.0	905.7	1
6	30	41255	1	-1	0	2	-1	1964.5	5.9	0.1	0.0	1970.4	1
7	30	22655	-2	-1	0	1	-1	1078.8	4.8	0.2	0.0	1083.7	6
8	30	23905	-2	-1	0	1	-1	1138.3	5.4	0.2	0.0	1143.7	6
9	30	23480	0	-1	0	1	-0	1118.1	3.4	0.1	0.0	1121.5	1
10	30	39895	-10	-0	0	2	-0	1899.8	5.7	1.3	0.0	1905.5	1
11	30	22560	-7	-0	0	1	-1	1074.3	3.9	1.0	0.0	1078.2	1
12	30	23275	-8	-1	0	1	-1	1108.3	4.3	1.0	0.0	1112.7	1
13	30	22205	-7	-0	0	1	-0	1057.4	3.3	0.9	0.0	1060.7	1
14	30	42565	-1	-1	0	2	-2	2026.9	6.6	0.2	0.0	2033.5	1
15	30	23295	-2	-1	0	1	-2	1109.3	5.8	0.3	0.0	1115.1	6
16	30	24975	-2	-1	0	1	-2	1189.3	6.0	0.3	0.0	1195.2	6
17	30	23555	-1	-1	0	1	-1	1121.7	3.8	0.1	0.0	1125.5	1
1A	61	25341	-1	-1	0	1	-1	1206.7	4.5	0.2	0.0	1211.2	1
1E	61	25499	-1	-1	0	1	-1	1214.2	4.5	0.2	0.0	1218.7	1
1I	61	25223	-2	-1	0	1	-1	1201.1	4.6	0.2	0.0	1205.7	1
1M	61	25617	-2	-1	0	1	-1	1219.9	4.6	0.2	0.0	1224.4	1
2	61	34020	-19	1	0	1	-5	1620.0	15.6	2.5	0.0	1635.6	6
3	61	19070	-13	1	0	1	-4	908.1	12.2	1.8	0.0	920.3	6
4	61	19460	-13	0	0	1	-4	926.7	13.1	1.8	0.0	939.8	6
5	61	18960	-12	1	0	1	-3	902.9	9.3	1.6	0.0	912.2	6
6	61	41260	-4	-1	0	2	-2	1964.8	7.4	0.6	0.0	1972.1	1
7	61	22660	-5	-1	0	1	-2	1079.0	8.0	0.6	0.0	1087.0	6
8	61	23910	-5	-1	0	1	-2	1138.6	8.8	0.6	0.0	1147.4	6
9	61	23480	-3	-1	0	1	-1	1118.1	4.5	0.4	0.0	1122.6	1
10	61	39900	-18	1	0	2	-5	1900.0	16.1	2.4	0.0	1916.1	6
11	61	22560	-13	0	0	1	-4	1074.3	12.4	1.7	0.0	1086.7	6
12	61	23280	-13	-0	0	1	-4	1108.6	13.0	1.7	0.0	1121.6	6
13	61	22210	-12	0	0	1	-3	1057.6	9.9	1.6	0.0	1067.5	6
14	61	42570	-6	-1	0	2	-3	2027.1	10.0	0.8	0.0	2037.2	6
15	61	23300	-5	-1	0	1	-3	1109.5	9.6	0.7	0.0	1119.1	6
16	61	24980	-5	-1	0	2	-3	1189.5	9.8	0.7	0.0	1199.3	6
17	61	23560	-4	-1	0	1	-2	1121.9	6.0	0.5	0.0	1127.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25341	1	1	26	17	17	1.00	1.00	1213.7	
1E	25499	1	1	26	17	17	1.00	1.00	1221.2	
1I	25223	1	1	26	17	17	1.00	1.00	1207.6	
1M	25617	1	1	26	17	17	1.00	1.00	1226.3	
2	34020	1	2	26	17	17	1.00	1.00	1630.6	
3	19070	1	2	26	17	17	1.00	1.00	916.1	
4	19460	1	2	26	17	17	1.00	1.00	935.4	
5	18960	1	1	26	17	17	1.00	1.00	908.9	
6	41260	2	2	26	17	17	1.00	1.00	1975.1	
7	22660	1	2	26	17	17	1.00	1.00	1087.4	
8	23910	1	2	26	17	17	1.00	1.00	1147.8	
9	23480	1	1	26	17	17	1.00	1.00	1123.7	
10	39900	2	2	26	17	17	1.00	1.00	1911.8	
11	22560	1	2	26	17	17	1.00	1.00	1082.9	
12	23280	1	2	26	17	17	1.00	1.00	1117.9	
13	22210	1	1	26	17	17	1.00	1.00	1064.5	
14	42570	2	2	26	17	17	1.00	1.00	2039.3	
15	23300	1	2	26	17	17	1.00	1.00	1119.0	
16	24980	1	2	26	17	17	1.00	1.00	1199.6	
17	23560	1	1	26	17	17	1.00	1.00	1128.9	

ASTA NUM. 39 NI 114 NF 79 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.: A -- B -- C -- D -- E 10.6969 F 2.6742 G -- H -- p.p. y 8.2647 qy tot. 21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25561	-1	5	0	2	0	1217.2	7.3	0.6	0.0	1224.5	1	
1E	0	25899	-1	5	0	2	0	1233.3	7.3	0.6	0.0	1240.6	1	
1I	0	25463	-2	4	0	2	0	1212.5	6.6	0.5	0.0	1219.1	1	
1M	0	25997	-2	4	0	2	0	1238.0	6.6	0.5	0.0	1244.5	1	
2	0	34750	-8	6	0	3	4	1654.8	15.6	1.1	0.0	1670.4	6	
3	0	19320	-5	3	0	2	3	920.0	10.0	0.7	0.0	930.0	6	
4	0	19940	-5	3	0	2	3	949.5	10.1	0.7	0.0	959.6	6	
5	0	18750	-5	3	0	2	3	892.9	10.1	0.7	0.0	902.9	6	
6	0	41860	-3	5	0	3	1	1993.3	9.6	0.7	0.0	2003.0	1	
7	0	22720	-2	3	0	2	1	1081.9	5.7	0.4	0.0	1087.6	1	
8	0	24300	-2	3	0	2	1	1157.1	5.8	0.4	0.0	1163.0	1	
9	0	23020	-2	3	0	2	1	1096.2	5.8	0.4	0.0	1102.0	1	
10	0	40740	-8	6	0	3	4	1940.0	15.3	1.1	0.0	1955.3	6	
11	0	22880	-5	4	0	2	2	1089.5	9.8	0.7	0.0	1099.3	6	
12	0	23830	-5	4	0	2	2	1134.8	9.9	0.7	0.0	1144.6	6	
13	0	22090	-5	4	0	2	3	1051.9	9.9	0.7	0.0	1061.8	6	
14	0	43170	-3	6	0	3	1	2055.7	10.2	0.8	0.0	2065.9	1	
15	0	23360	-2	3	0	2	1	1112.4	5.9	0.4	0.0	1118.3	1	
16	0	25370	-2	3	0	2	1	1208.1	6.0	0.4	0.0	1214.1	1	
17	0	23140	-2	3	0	2	1	1101.9	5.9	0.4	0.0	1107.8	1	
1A	32	25566	-4	5	0	1	-1	1217.4	3.3	0.6	0.0	1220.7	1	
1E	32	25904	-4	5	0	1	-1	1233.5	3.3	0.6	0.0	1236.8	1	
1I	32	25468	-5	4	0	1	-1	1212.7	3.1	0.6	0.0	1215.8	1	
1M	32	26002	-5	4	0	1	-1	1238.2	3.1	0.6	0.0	1241.3	1	
2	32	34750	-17	6	0	1	-0	1654.8	3.4	2.3	0.0	1658.1	1	
3	32	19320	-11	4	0	1	0	920.0	2.0	1.4	0.0	922.0	1	
4	32	19940	-11	4	0	1	0	949.5	2.1	1.4	0.0	951.6	1	
5	32	18750	-11	4	0	1	0	892.9	2.0	1.4	0.0	894.8	1	
6	32	41865	-8	6	0	1	-1	1993.6	4.9	1.0	0.0	1998.4	1	
7	32	22720	-5	3	0	1	-1	1081.9	2.6	0.7	0.0	1084.5	1	
8	32	24300	-5	3	0	1	-1	1157.1	2.7	0.7	0.0	1159.9	1	
9	32	23025	-5	3	0	1	-1	1096.4	2.6	0.7	0.0	1099.1	1	
10	32	40745	-17	7	0	1	-0	1940.2	4.1	2.3	0.0	1944.3	1	
11	32	22880	-11	4	0	1	-0	1089.5	2.2	1.4	0.0	1091.8	1	
12	32	23830	-11	4	0	1	-0	1134.8	2.3	1.4	0.0	1137.1	1	
13	32	22095	-11	4	0	1	-0	1052.1	2.1	1.4	0.0	1054.3	1	
14	32	43175	-8	6	0	1	-1	2056.0	5.0	1.1	0.0	2060.9	1	
15	32	23365	-5	3	0	1	-1	1112.6	2.6	0.7	0.0	1115.3	1	
16	32	25375	-5	3	0	1	-1	1208.3	2.8	0.7	0.0	1211.2	1	
17	32	23140	-5	3	0	1	-1	1101.9	2.6	0.7	0.0	1104.5	1	
1A	64	25571	-7	5	0	-1	-2	1217.7	8.2	0.9	0.0	1225.9	6	
1E	64	25909	-7	5	0	-1	-2	1233.8	8.2	0.9	0.0	1242.0	6	
1I	64	25473	-7	4	0	-1	-3	1213.0	8.8	1.0	0.0	1221.8	6	
1M	64	26007	-7	4	0	-1	-3	1238.4	8.8	1.0	0.0	1247.3	6	
2	64	34750	-26	7	0	-1	-7	1654.8	22.2	3.4	0.0	1677.0	6	
3	64	19320	-16	4	0	-1	-4	920.0	13.6	2.2	0.0	933.6	6	
4	64	19940	-16	4	0	-1	-4	949.5	13.5	2.2	0.0	963.0	6	
5	64	18750	-16	4	0	-1	-4	892.9	13.5	2.2	0.0	906.4	6	
6	64	41870	-13	6	0	-1	-4	1993.8	14.0	1.7	0.0	2007.8	6	
7	64	22720	-8	3	0	-0	-3	1081.9	8.3	1.1	0.0	1090.2	6	
8	64	24300	-8	3	0	-0	-3	1157.1	8.4	1.1	0.0	1165.5	6	
9	64	23030	-8	4	0	-0	-3	1096.7	8.4	1.1	0.0	1105.1	6	
10	64	40750	-26	8	0	-1	-7	1940.5	22.8	3.4	0.0	1963.3	6	
11	64	22880	-16	5	0	-1	-4	1089.5	13.9	2.2	0.0	1103.5	6	
12	64	23830	-16	5	0	-1	-4	1134.8	13.9	2.2	0.0	1148.7	6	
13	64	22100	-16	5	0	-1	-4	1052.4	13.9	2.2	0.0	1066.3	6	
14	64	43180	-13	6	0	-1	-4	2056.2	14.5	1.8	0.0	2070.7	6	
15	64	23370	-8	3	0	-0	-3	1112.9	8.4	1.1	0.0	1121.2	6	
16	64	25380	-8	3	0	-0	-3	1208.6	8.4	1.1	0.0	1217.0	6	
17	64	23140	-8	4	0	-0	-3	1101.9	8.4	1.1	0.0	1110.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25571	1	1	27	18	18	1.00	1.00	1225.4	
1E	25909	1	1	27	18	18	1.00	1.00	1241.5	
1I	25473	1	1	27	18	18	1.00	1.00	1220.5	
1M	26007	1	1	27	18	18	1.00	1.00	1245.9	
2	34750	1	3	27	18	18	1.00	1.00	1667.3	
3	19320	1	2	27	18	18	1.00	1.00	927.5	

4	19940	1	2	27	18	18	1.00	1.00	957.0
5	18750	1	2	27	18	18	1.00	1.00	900.3
6	41870	2	2	27	18	18	1.00	1.00	2005.6
7	22720	1	1	27	18	18	1.00	1.00	1088.5
8	24300	1	1	27	18	18	1.00	1.00	1163.9
9	23030	1	1	27	18	18	1.00	1.00	1103.4
10	40750	2	3	27	18	18	1.00	1.00	1953.8
11	22880	1	2	27	18	18	1.00	1.00	1097.5
12	23830	1	2	27	18	18	1.00	1.00	1142.8
13	22100	1	2	27	18	18	1.00	1.00	1060.3
14	43180	2	2	27	18	18	1.00	1.00	2068.3
15	23370	1	1	27	18	18	1.00	1.00	1119.5
16	25380	1	1	27	18	18	1.00	1.00	1215.5
17	23140	1	1	27	18	18	1.00	1.00	1108.6

ASTA NUM. 40 NI 113 NF 75 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25544	-3	0	0	-1	1	1216.4	5.6	0.4	0.0	1222.0	1	
1E	0	25936	-3	0	0	-1	1	1235.1	5.6	0.4	0.0	1240.7	1	
1I	0	25446	-4	-1	0	-1	2	1211.7	7.2	0.6	0.0	1218.9	6	
1M	0	26034	-4	-1	0	-1	2	1239.7	7.2	0.6	0.0	1246.9	6	
2	0	34890	-11	-0	0	-1	6	1661.4	21.5	1.5	0.0	1682.9	6	
3	0	19340	-7	-0	0	-1	4	921.0	13.5	0.9	0.0	934.5	6	
4	0	20050	-7	-0	0	-1	4	954.8	13.4	0.9	0.0	968.2	6	
5	0	18590	-7	-0	0	-1	4	885.2	13.2	0.9	0.0	898.4	6	
6	0	41900	-6	-2	0	-3	3	1995.2	11.1	0.8	0.0	2006.3	6	
7	0	22640	-3	-1	0	-1	2	1078.1	7.0	0.5	0.0	1085.1	6	
8	0	24350	-3	-1	0	-1	2	1159.5	7.0	0.5	0.0	1166.5	6	
9	0	22730	-3	-1	0	-2	2	1082.4	6.6	0.4	0.0	1089.0	6	
10	0	40900	-11	-1	0	-2	6	1947.6	21.7	1.5	0.0	1969.3	6	
11	0	22910	-7	-0	0	-1	4	1091.0	13.6	0.9	0.0	1104.5	6	
12	0	23960	-7	-0	0	-1	4	1141.0	13.5	0.9	0.0	1154.5	6	
13	0	21960	-7	-0	0	-1	4	1045.7	13.3	0.9	0.0	1059.0	6	
14	0	43210	-6	-2	0	-3	3	2057.6	11.6	0.8	0.0	2069.2	6	
15	0	23280	-3	-1	0	-1	2	1108.6	7.1	0.5	0.0	1115.7	6	
16	0	25420	-3	-1	0	-1	2	1210.5	7.0	0.5	0.0	1217.5	6	
17	0	22870	-3	-1	0	-2	2	1089.0	6.7	0.4	0.0	1095.8	6	
1A	35	25549	-6	0	0	-1	-0	1216.6	4.7	0.8	0.0	1221.3	1	
1E	35	25941	-6	0	0	-1	-0	1235.3	4.7	0.8	0.0	1240.0	1	
1I	35	25451	-7	-1	0	-1	-0	1212.0	4.2	1.0	0.0	1216.1	1	
1M	35	26039	-7	-1	0	-1	-0	1239.9	4.2	1.0	0.0	1244.1	1	
2	35	34895	-21	1	0	-1	1	1661.7	5.5	2.8	0.0	1667.2	1	
3	35	19345	-13	1	0	-1	1	921.2	3.3	1.7	0.0	924.5	1	
4	35	20055	-13	1	0	-1	1	955.0	3.1	1.7	0.0	958.1	1	
5	35	18595	-13	0	0	-1	1	885.5	3.3	1.7	0.0	888.8	1	
6	35	41905	-11	-2	0	-2	-0	1995.5	6.2	1.5	0.0	2001.7	1	
7	35	22645	-7	-1	0	-1	-0	1078.3	3.3	0.9	0.0	1081.6	1	
8	35	24350	-7	-1	0	-1	-0	1159.5	3.2	0.9	0.0	1162.7	1	
9	35	22735	-7	-1	0	-1	-0	1082.6	3.7	0.9	0.0	1086.3	1	
10	35	40905	-21	0	0	-2	1	1947.9	6.0	2.8	0.0	1953.9	1	
11	35	22915	-13	0	0	-1	1	1091.2	3.6	1.7	0.0	1094.8	1	
12	35	23960	-13	0	0	-1	1	1141.0	3.5	1.7	0.0	1144.4	1	
13	35	21965	-13	0	0	-1	1	1046.0	3.6	1.7	0.0	1049.6	1	
14	35	43220	-11	-2	0	-2	-0	2058.1	6.3	1.5	0.0	2064.4	1	
15	35	23285	-7	-1	0	-1	0	1108.8	3.4	0.9	0.0	1112.2	1	
16	35	25425	-7	-1	0	-1	-0	1210.7	3.3	0.9	0.0	1214.1	1	
17	35	22875	-7	-1	0	-1	-0	1089.3	3.6	0.9	0.0	1092.9	1	
1A	69	25554	-9	0	0	-1	-3	1216.8	10.5	1.2	0.0	1227.4	6	
1E	69	25946	-9	0	0	-1	-3	1235.5	10.5	1.2	0.0	1246.1	6	
1I	69	25456	-10	-1	0	-1	-3	1212.2	11.1	1.4	0.0	1223.3	6	
1M	69	26044	-10	-1	0	-1	-3	1240.2	11.1	1.4	0.0	1251.3	6	
2	69	34900	-31	2	0	-2	-8	1661.9	26.7	4.1	0.0	1688.6	6	
3	69	19350	-19	1	0	-1	-5	921.4	16.3	2.5	0.0	937.7	6	
4	69	20060	-19	1	0	-1	-5	955.2	16.1	2.5	0.0	971.3	6	
5	69	18600	-19	1	0	-1	-5	885.7	16.2	2.5	0.0	901.9	6	
6	69	41910	-16	-2	0	-1	-5	1995.7	17.0	2.2	0.0	2012.7	6	
7	69	22650	-10	-1	0	-1	-3	1078.6	10.0	1.4	0.0	1088.6	6	
8	69	24350	-10	-1	0	-1	-3	1159.5	10.0	1.4	0.0	1169.5	6	
9	69	22740	-10	-1	0	-1	-3	1082.9	10.1	1.3	0.0	1092.9	6	
10	69	40910	-31	1	0	-2	-8	1948.1	27.3	4.1	0.0	1975.3	6	
11	69	22920	-19	1	0	-1	-5	1091.4	16.6	2.5	0.0	1108.0	6	
12	69	23960	-19	1	0	-1	-5	1141.0	16.5	2.5	0.0	1157.4	6	
13	69	21970	-19	1	0	-1	-5	1046.2	16.4	2.5	0.0	1062.6	6	
14	69	43230	-17	-2	0	-1	-5	2058.6	17.3	2.3	0.0	2075.9	6	
15	69	23290	-10	-1	0	-1	-3	1109.0	9.9	1.4	0.0	1118.9	6	
16	69	25430	-10	-1	0	-1	-3	1211.0	9.9	1.4	0.0	1220.8	6	
17	69	22880	-10	-1	0	-1	-3	1089.5	9.9	1.3	0.0	1099.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25554	1	1	30	19	19	1.00	1.00	1224.9	
1E	25946	1	1	30	19	19	1.00	1.00	1243.6	
1I	25456	1	1	30	19	19	1.00	1.00	1220.2	
1M	26044	1	1	30	19	19	1.00	1.00	1248.2	
2	34900	2	3	30	19	19	1.00	1.00	1676.9	
3	19350	1	2	30	19	19	1.00	1.00	930.4	
4	20060	1	2	30	19	19	1.00	1.00	964.0	
5	18600	1	2	30	19	19	1.00	1.00	894.7	
6	41910	2	2	30	19	19	1.00	1.00	2008.3	
7	22650	1	1	30	19	19	1.00	1.00	1085.8	
8	24350	1	1	30	19	19	1.00	1.00	1166.6	
9	22740	1	1	30	19	19	1.00	1.00	1090.4	
10	40910	2	3	30	19	19	1.00	1.00	1963.8	
11	22920	1	2	30	19	19	1.00	1.00	1100.8	
12	23960	1	2	30	19	19	1.00	1.00	1150.2	
13	21970	1	2	30	19	19	1.00	1.00	1055.6	
14	43230	2	2	30	19	19	1.00	1.00	2071.5	
15	23290	1	1	30	19	19	1.00	1.00	1116.3	
16	25430	1	1	30	19	19	1.00	1.00	1218.2	
17	22880	1	1	30	19	19	1.00	1.00	1097.0	

ASTA NUM. 41 NI 97 NF 51 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25436	-11	-3	0	-0	6	928.7	12.7	1.1	0.0	941.3	6	
1E	0	25844	-11	-3	0	-0	6	943.6	12.7	1.1	0.0	956.2	6	
1I	0	25412	-12	-3	0	-0	6	927.8	13.2	1.2	0.0	940.9	6	
1M	0	25868	-12	-3	0	-0	6	944.4	13.2	1.2	0.0	957.6	6	
2	0	35800	-10	-7	0	-2	4	1307.0	10.1	1.0	0.0	1317.1	6	
3	0	18090	-4	-3	0	-1	2	660.5	5.8	0.4	0.0	666.2	6	
4	0	18820	-4	-4	0	-1	2	687.1	5.6	0.4	0.0	692.7	6	
5	0	19010	-3	-5	0	-1	3	694.0	6.5	0.5	0.0	700.6	6	
6	0	42230	-17	-6	0	-1	8	1541.8	18.3	1.6	0.0	1560.1	6	
7	0	19700	-8	-3	0	-1	5	719.2	10.8	0.7	0.0	730.0	6	
8	0	22700	-8	-4	0	-1	5	828.8	10.7	0.8	0.0	839.5	6	
9	0	23140	-7	-5	0	-0	6	844.8	11.9	0.7	0.0	856.7	6	
10	0	42120	-13	-7	0	-2	5	1537.8	11.2	1.3	0.0	1549.0	6	
11	0	21490	-6	-4	0	-1	3	784.6	6.5	0.6	0.0	791.0	6	
12	0	22270	-5	-5	0	-1	3	813.1	6.5	0.5	0.0	819.6	6	
13	0	22170	-5	-5	0	-1	3	809.4	7.1	0.5	0.0	816.5	6	
14	0	45610	-19	-6	0	-1	8	1665.2	18.1	1.8	0.0	1683.3	6	
15	0	21310	-8	-3	0	-1	5	778.0	10.5	0.8	0.0	788.5	6	
16	0	23980	-9	-4	0	-1	5	875.5	10.8	0.8	0.0	886.3	6	
17	0	23910	-8	-4	0	-0	5	872.9	11.4	0.8	0.0	884.3	6	
1A	27	25441	-13	-3	0	1	3	928.8	6.1	1.3	0.0	934.9	6	
1E	27	25849	-13	-3	0	1	3	943.7	6.1	1.3	0.0	949.8	6	
1I	27	25417	-14	-3	0	1	3	928.0	6.1	1.3	0.0	934.1	6	
1M	27	25873	-14	-3	0	1	3	944.6	6.1	1.3	0.0	950.8	6	
2	27	35810	-6	-9	0	0	2	1307.4	4.3	0.9	0.0	1311.7	6	
3	27	18095	-2	-5	0	-0	1	660.6	3.0	0.5	0.0	663.6	6	
4	27	18825	-2	-6	0	0	1	687.3	3.3	0.6	0.0	690.6	6	
5	27	19015	-1	-6	0	0	2	694.2	4.9	0.6	0.0	699.1	6	
6	27	42240	-17	-7	0	1	4	1542.2	8.6	1.7	0.0	1550.8	6	
7	27	19705	-8	-3	0	0	3	719.4	6.2	0.8	0.0	725.6	6	
8	27	22705	-9	-4	0	1	3	829.0	5.9	0.9	0.0	834.8	6	
9	27	23145	-8	-5	0	1	3	845.0	8.0	0.8	0.0	853.0	6	
10	27	42130	-9	-10	0	0	2	1538.2	3.4	0.9	0.0	1541.6	6	
11	27	21495	-4	-5	0	-0	1	784.8	2.7	0.5	0.0	787.5	6	
12	27	22275	-3	-6	0	0	2	813.3	3.4	0.6	0.0	816.7	6	
13	27	22175	-3	-6	0	0	2	809.6	4.3	0.6	0.0	813.9	6	
14	27	45620	-19	-7	0	1	3	1665.6	7.0	1.9	0.0	1672.5	6	
15	27	21315	-9	-3	0	0	2	778.2	5.3	0.9	0.0	783.5	6	
16	27	23985	-9	-5	0	1	3	875.7	5.9	0.9	0.0	881.6	6	
17	27	23915	-9	-5	0	1	3	873.1	6.7	0.9	0.0	879.9	6	
1A	54	25446	-14	-3	0	1	-1	929.0	3.8	1.4	0.0	932.8	1	
1E	54	25854	-14	-3	0	1	-1	943.9	3.8	1.4	0.0	947.7	1	
1I	54	25422	-15	-3	0	1	-1	928.1	3.8	1.5	0.0	932.0	1	
1M	54	25878	-15	-3	0	1	-1	944.8	3.8	1.5	0.0	948.7	1	

2	54	35820	-2	-11	0	3	1	1307.8	6.8	1.1	0.0	1314.5	1
3	54	18100	0	-6	0	1	1	660.8	3.9	0.6	0.0	664.8	1
4	54	18830	1	-7	0	2	1	687.5	5.2	0.7	0.0	692.7	1
5	54	19020	1	-7	0	2	2	694.4	6.6	0.7	0.0	701.0	1
6	54	42250	-18	-7	0	3	-1	1542.5	6.4	1.7	0.0	1548.9	1
7	54	19710	-8	-3	0	1	1	719.6	3.0	0.8	0.0	722.6	1
8	54	22710	-9	-5	0	2	0	829.1	4.0	0.9	0.0	833.1	1
9	54	23150	-8	-5	0	2	1	845.2	5.8	0.8	0.0	851.0	1
10	54	42140	-6	-12	0	3	-0	1538.5	6.8	1.1	0.0	1545.3	1
11	54	21500	-1	-7	0	2	1	785.0	3.7	0.6	0.0	788.7	1
12	54	22280	-1	-8	0	2	1	813.4	5.4	0.7	0.0	818.8	1
13	54	22180	-0	-8	0	2	1	809.8	6.0	0.7	0.0	815.8	1
14	54	45630	-20	-7	0	3	-2	1665.9	7.3	2.0	0.0	1673.3	1
15	54	21320	-9	-4	0	1	0	778.4	2.4	0.9	0.0	780.7	1
16	54	23990	-9	-5	0	2	0	875.9	4.2	0.9	0.0	880.1	1
17	54	23920	-9	-5	0	2	1	873.3	4.7	0.9	0.0	878.1	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25446	1	3	14	14	14	1.00	1.00	937.3	
1E	25854	1	3	14	14	14	1.00	1.00	952.2	
1I	25422	1	3	14	14	14	1.00	1.00	936.5	
1M	25878	1	3	14	14	14	1.00	1.00	953.2	
2	35820	1	3	14	14	14	1.00	1.00	1316.0	
3	18100	1	2	14	14	14	1.00	1.00	665.9	
4	18830	1	2	14	14	14	1.00	1.00	693.1	
5	19020	1	3	14	14	14	1.00	1.00	701.7	
6	42250	1	5	14	14	14	1.00	1.00	1554.9	
7	19710	0	3	14	14	14	1.00	1.00	727.4	
8	22710	1	3	14	14	14	1.00	1.00	837.3	
9	23150	1	4	14	14	14	1.00	1.00	855.8	
10	42140	1	3	14	14	14	1.00	1.00	1546.4	
11	21500	1	2	14	14	14	1.00	1.00	790.0	
12	22280	1	2	14	14	14	1.00	1.00	819.4	
13	22180	1	2	14	14	14	1.00	1.00	816.7	
14	45630	1	4	14	14	14	1.00	1.00	1676.7	
15	21320	0	3	14	14	14	1.00	1.00	785.3	
16	23990	1	3	14	14	14	1.00	1.00	884.1	
17	23920	1	3	14	14	14	1.00	1.00	882.5	

ASTA NUM. 42 NI 96 NF 74 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25317	6	3	0	4	5	924.3	14.5	0.6	0.0	938.8	6	
1E	0	25944	6	3	0	4	5	947.2	14.5	0.6	0.0	961.7	6	
1I	0	25369	5	3	0	3	6	926.2	15.0	0.5	0.0	941.2	6	
1M	0	25891	5	3	0	3	6	945.3	15.0	0.5	0.0	960.2	6	
2	0	35660	20	-1	0	3	3	1301.9	8.4	2.0	0.0	1310.4	6	
3	0	17670	12	-1	0	1	1	645.1	4.2	1.1	0.0	649.3	1	
4	0	18040	11	-1	0	1	1	658.6	3.9	1.1	0.0	662.5	1	
5	0	17380	11	-1	0	1	1	634.5	4.0	1.1	0.0	638.5	1	
6	0	42360	14	1	0	5	7	1546.5	19.4	1.4	0.0	1566.0	6	
7	0	19270	8	1	0	2	4	703.5	10.4	0.7	0.0	714.0	6	
8	0	21900	8	1	0	3	4	799.6	10.5	0.8	0.0	810.0	6	
9	0	21270	8	1	0	3	4	776.6	10.7	0.8	0.0	787.2	6	
10	0	42180	22	-2	0	3	4	1540.0	10.6	2.1	0.0	1550.6	6	
11	0	21190	12	-1	0	2	2	773.6	5.4	1.2	0.0	779.0	6	
12	0	21630	12	-1	0	2	2	789.7	4.8	1.2	0.0	794.5	6	
13	0	20700	12	-1	0	2	2	755.8	5.0	1.2	0.0	760.7	6	
14	0	45740	15	1	0	5	8	1670.0	20.3	1.5	0.0	1690.2	6	
15	0	20880	8	1	0	2	4	762.3	10.7	0.8	0.0	773.0	6	
16	0	23210	8	1	0	3	4	847.4	10.5	0.8	0.0	857.9	6	
17	0	22110	8	1	0	3	4	807.2	10.8	0.8	0.0	818.0	6	
1A	27	25322	5	3	0	3	7	924.5	16.9	0.5	0.0	941.4	6	
1E	27	25949	5	3	0	3	7	947.4	16.9	0.5	0.0	964.3	6	
1I	27	25374	4	3	0	3	7	926.4	16.9	0.4	0.0	943.3	6	
1M	27	25896	4	3	0	3	7	945.4	16.9	0.4	0.0	962.3	6	
2	27	35665	24	-4	0	3	9	1302.1	21.4	2.3	0.0	1323.5	6	
3	27	17675	14	-2	0	2	5	645.3	11.8	1.4	0.0	657.1	6	
4	27	18045	14	-2	0	2	5	658.8	11.1	1.3	0.0	669.9	6	
5	27	17385	14	-2	0	2	5	634.7	11.2	1.3	0.0	645.9	6	
6	27	42365	14	1	0	4	11	1546.7	27.1	1.3	0.0	1573.8	6	
7	27	19275	7	1	0	2	6	703.7	14.4	0.7	0.0	718.2	6	
8	27	21905	7	1	0	2	6	799.7	14.6	0.7	0.0	814.4	6	
9	27	21275	7	1	0	2	6	776.7	14.8	0.7	0.0	791.5	6	
10	27	42190	25	-4	0	4	10	1540.3	24.5	2.5	0.0	1564.9	6	
11	27	21195	15	-2	0	2	6	773.8	13.4	1.4	0.0	787.3	6	
12	27	21635	15	-2	0	2	5	789.9	12.7	1.4	0.0	802.6	6	
13	27	20705	15	-2	0	2	5	755.9	12.9	1.4	0.0	768.8	6	
14	27	45750	14	1	0	5	12	1670.3	28.3	1.4	0.0	1698.6	6	
15	27	20885	7	1	0	2	6	762.5	14.9	0.7	0.0	777.4	6	
16	27	23220	8	1	0	2	6	847.8	14.8	0.7	0.0	862.5	6	
17	27	22115	8	1	0	2	6	807.4	15.1	0.7	0.0	822.5	6	
1A	54	25327	3	3	0	2	8	924.7	18.5	0.3	0.0	943.1	6	
1E	54	25954	3	3	0	2	8	947.6	18.5	0.3	0.0	966.0	6	
1I	54	25379	2	3	0	2	8	926.6	18.0	0.3	0.0	944.6	6	
1M	54	25901	2	3	0	2	8	945.6	18.0	0.3	0.0	963.7	6	
2	54	35670	27	-6	0	5	16	1302.3	36.9	2.7	0.0	1339.2	6	
3	54	17680	16	-3	0	3	9	645.5	21.0	1.6	0.0	666.5	6	
4	54	18050	16	-3	0	3	9	659.0	20.2	1.6	0.0	679.2	6	
5	54	17390	16	-3	0	3	9	634.9	20.2	1.6	0.0	655.1	6	
6	54	42370	13	0	0	4	15	1546.9	34.6	1.3	0.0	1581.5	6	
7	54	19280	7	0	0	2	8	703.9	18.3	0.7	0.0	722.2	6	
8	54	21910	7	0	0	2	8	799.9	18.7	0.7	0.0	818.6	6	
9	54	21280	7	0	0	2	8	776.9	18.8	0.7	0.0	795.7	6	
10	54	42200	29	-6	0	5	17	1540.7	40.9	2.8	0.0	1581.6	6	
11	54	21200	17	-4	0	3	10	774.0	23.1	1.7	0.0	797.1	6	
12	54	21640	17	-4	0	3	9	790.1	22.3	1.6	0.0	812.3	6	
13	54	20710	17	-3	0	3	10	756.1	22.4	1.6	0.0	778.5	6	
14	54	45760	13	0	0	4	15	1670.7	36.0	1.3	0.0	1706.7	6	
15	54	20890	7	0	0	2	8	762.7	18.9	0.7	0.0	781.6	6	
16	54	23230	7	0	0	2	8	848.1	18.9	0.7	0.0	867.0	6	
17	54	22120	7	0	0	2	8	807.6	19.2	0.7	0.0	826.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25327	3	7	14	14	14	1.00	1.00	945.6	
1E	25954	3	7	14	14	14	1.00	1.00	968.5	
1I	25379	3	7	14	14	14	1.00	1.00	947.4	
1M	25901	3	7	14	14	14	1.00	1.00	966.4	
2	35670	4	11	14	14	14	1.00	1.00	1332.9	
3	17680	2	6	14	14	14	1.00	1.00	662.5	
4	18050	2	6	14	14	14	1.00	1.00	675.2	
5	17390	2	6	14	14	14	1.00	1.00	651.2	
6	42370	5	12	14	14	14	1.00	1.00	1581.4	
7	19280	2	6	14	14	14	1.00	1.00	722.1	
8	21910	2	6	14	14	14	1.00	1.00	818.5	
9	21280	2	6	14	14	14	1.00	1.00	795.7	
10	42200	4	12	14	14	14	1.00	1.00	1575.2	
11	21200	2	7	14	14	14	1.00	1.00	793.1	
12	21640	2	6	14	14	14	1.00	1.00	808.3	
13	20710	2	6	14	14	14	1.00	1.00	774.5	
14	45760	5	12	14	14	14	1.00	1.00	1706.4	
15	20890	2	7	14	14	14	1.00	1.00	781.4	
16	23230	2	6	14	14	14	1.00	1.00	866.8	
17	22120	2	7	14	14	14	1.00	1.00	826.6	

ASTA NUM. 43 NI 93 NF 70 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24523	-2	2	0	1	3	895.3	6.8	0.2	0.0	902.1	6	
1E	0	25357	-2	2	0	1	3	925.8	6.8	0.2	0.0	932.6	6	
1I	0	24635	-3	1	0	1	3	899.4	7.3	0.3	0.0	906.7	6	
1M	0	25245	-3	1	0	1	3	921.7	7.3	0.3	0.0	929.0	6	
2	0	34740	9	-3	0	-1	-1	1268.3	3.8	0.9	0.0	1272.2	6	
3	0	16850	6	-2	0	-1	-1	615.2	2.6	0.6	0.0	617.8	6	
4	0	16940	6	-2	0	-1	-1	618.5	2.9	0.6	0.0	621.4	6	
5	0	15580	6	-2	0	-1	-1	568.8	2.7	0.6	0.0	571.6	6	
6	0	41390	1	-1	0	0	3	1511.1	6.1	0.1	0.0	1517.2	6	
7	0	18290	1	-1	0	0	2	667.8	3.5	0.1	0.0	671.2	6	
8	0	20620	1	-1	0	0	2	752.8	3.3	0.1	0.0	756.1	6	
9	0	19100	1	-1	0	0	2	697.3	3.5	0.1	0.0	700.8	6	
10	0	41340	9	-3	0	-1	-1	1509.3	3.2	0.9	0.0	1512.5	6	
11	0	20430	6	-2	0	-1	-1	745.9	2.3	0.6	0.0	748.2	6	

12	0	20600	6	-2	0	-1	-1	752.1	2.6	0.6	0.0	754.7	6
13	0	18990	6	-2	0	-1	-1	693.3	2.4	0.6	0.0	695.7	6
14	0	44770	1	-0	0	1	3	1634.5	6.3	0.1	0.0	1640.8	6
15	0	19900	1	-0	0	0	2	726.5	3.4	0.1	0.0	730.0	6
16	0	21960	1	-0	0	0	1	801.8	3.2	0.1	0.0	805.0	6
17	0	20000	1	-0	0	0	2	730.2	3.4	0.1	0.0	733.6	6
1A	28	24528	-4	2	0	1	2	895.5	4.5	0.4	0.0	900.0	6
1E	28	25362	-4	2	0	1	2	926.0	4.5	0.4	0.0	930.5	6
1I	28	24640	-5	1	0	0	2	899.6	4.5	0.5	0.0	904.1	6
1M	28	25250	-5	1	0	0	2	921.9	4.5	0.5	0.0	926.4	6
2	28	34750	13	-6	0	0	2	1268.7	3.9	1.3	0.0	1272.6	6
3	28	16855	8	-4	0	0	1	615.4	2.3	0.8	0.0	617.6	6
4	28	16945	8	-4	0	0	1	618.7	2.0	0.8	0.0	620.6	6
5	28	15585	8	-4	0	0	1	569.0	2.1	0.8	0.0	571.2	6
6	28	41400	0	-1	0	1	3	1511.5	6.6	0.1	0.0	1518.1	6
7	28	18295	0	-1	0	0	2	667.9	3.9	0.1	0.0	671.8	6
8	28	20625	0	-1	0	0	2	753.0	3.6	0.1	0.0	756.6	6
9	28	19105	0	-1	0	0	2	697.5	3.9	0.1	0.0	701.4	6
10	28	41350	13	-6	0	0	2	1509.7	4.4	1.3	0.0	1514.1	6
11	28	20435	8	-4	0	0	1	746.1	2.5	0.8	0.0	748.6	6
12	28	20605	8	-4	0	0	1	752.3	2.3	0.8	0.0	754.5	6
13	28	18995	8	-4	0	0	1	693.5	2.4	0.8	0.0	695.9	6
14	28	44780	-0	-1	0	1	3	1634.9	6.6	0.1	0.0	1641.5	6
15	28	19910	0	-1	0	0	2	726.9	3.8	0.1	0.0	730.7	6
16	28	21970	0	-1	0	0	2	802.1	3.6	0.1	0.0	805.7	6
17	28	20005	0	-1	0	0	2	730.4	3.8	0.1	0.0	734.2	6
1A	57	24533	-5	2	0	-0	1	895.7	1.4	0.5	0.0	897.1	6
1E	57	25367	-5	2	0	-0	1	926.1	1.4	0.5	0.0	927.5	6
1I	57	24645	-6	1	0	0	0	899.8	0.8	0.6	0.0	900.6	6
1M	57	25255	-6	1	0	0	0	922.1	0.8	0.6	0.0	922.9	6
2	57	34760	17	-8	0	2	6	1269.1	14.4	1.7	0.0	1283.5	6
3	57	16860	11	-5	0	1	4	615.6	8.9	1.0	0.0	624.5	6
4	57	16950	11	-5	0	1	4	618.8	8.6	1.0	0.0	627.4	6
5	57	15590	11	-5	0	1	4	569.2	8.8	1.0	0.0	578.0	6
6	57	41410	-0	-2	0	1	3	1511.9	6.9	0.2	0.0	1518.8	6
7	57	18300	-0	-1	0	1	2	668.1	4.2	0.1	0.0	672.3	6
8	57	20630	-0	-1	0	1	2	753.2	3.9	0.1	0.0	757.1	6
9	57	19110	-0	-1	0	1	2	697.7	4.1	0.1	0.0	701.8	6
10	57	41360	17	-8	0	2	6	1510.0	14.8	1.6	0.0	1524.8	6
11	57	20440	11	-5	0	1	4	746.3	9.1	1.0	0.0	755.4	6
12	57	20610	11	-5	0	1	4	752.5	8.8	1.0	0.0	761.3	6
13	57	19000	11	-5	0	1	4	693.7	9.0	1.0	0.0	702.7	6
14	57	44790	-1	-2	0	1	3	1635.3	6.6	0.1	0.0	1641.9	6
15	57	19920	-0	-1	0	1	2	727.3	4.1	0.1	0.0	731.3	6
16	57	21980	-0	-1	0	1	2	802.5	3.8	0.1	0.0	806.3	6
17	57	20010	-0	-1	0	1	2	730.6	4.0	0.1	0.0	734.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24533	1	2	15	15	15	1.00	1.00	901.1	
1E	25367	1	2	15	15	15	1.00	1.00	931.6	
1I	24645	1	2	15	15	15	1.00	1.00	905.2	
1M	25255	1	2	15	15	15	1.00	1.00	927.5	
2	34760	1	3	15	15	15	1.00	1.00	1277.4	
3	16860	1	2	15	15	15	1.00	1.00	620.5	
4	16950	1	2	15	15	15	1.00	1.00	623.5	
5	15590	1	2	15	15	15	1.00	1.00	574.1	
6	41410	1	3	15	15	15	1.00	1.00	1519.5	
7	18300	0	2	15	15	15	1.00	1.00	672.5	
8	20630	0	2	15	15	15	1.00	1.00	757.3	
9	19110	0	2	15	15	15	1.00	1.00	702.1	
10	41360	1	3	15	15	15	1.00	1.00	1519.0	
11	20440	1	2	15	15	15	1.00	1.00	751.5	
12	20610	1	2	15	15	15	1.00	1.00	757.4	
13	19000	1	2	15	15	15	1.00	1.00	698.8	
14	44790	1	3	15	15	15	1.00	1.00	1642.9	
15	19920	0	2	15	15	15	1.00	1.00	731.6	
16	21980	0	2	15	15	15	1.00	1.00	806.6	
17	20010	0	2	15	15	15	1.00	1.00	734.8	

ASTA NUM. 44 NI 91 NF 65 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24356	1	3	0	1	2	889.2	5.0	0.3	0.0	894.2	6	
1E	0	25384	1	3	0	1	2	926.8	5.0	0.3	0.0	931.7	6	
1I	0	24519	-1	2	0	1	2	895.2	5.7	0.2	0.0	900.9	6	
1M	0	25221	-1	2	0	1	2	920.8	5.7	0.2	0.0	926.5	6	
2	0	34690	14	-3	0	-1	-4	1266.5	8.9	1.4	0.0	1275.4	6	
3	0	16590	9	-2	0	-1	-2	605.7	5.7	0.8	0.0	611.4	6	
4	0	16420	8	-2	0	-1	-2	599.5	5.8	0.8	0.0	605.3	6	
5	0	14450	9	-2	0	-1	-2	527.6	5.9	0.9	0.0	533.5	6	
6	0	41420	6	0	0	0	1	1512.2	2.1	0.6	0.0	1514.4	6	
7	0	17950	3	0	0	0	1	655.3	1.1	0.3	0.0	656.5	6	
8	0	20010	3	0	0	0	0	730.6	1.1	0.3	0.0	731.6	6	
9	0	17740	4	0	0	0	0	647.7	0.9	0.3	0.0	648.6	6	
10	0	41430	14	-3	0	-1	-4	1512.6	8.7	1.4	0.0	1521.3	6	
11	0	20250	9	-2	0	-1	-2	739.3	5.6	0.9	0.0	744.9	6	
12	0	20180	9	-2	0	-1	-2	736.8	5.7	0.9	0.0	742.5	6	
13	0	17980	9	-2	0	-1	-2	656.4	5.8	0.9	0.0	662.2	6	
14	0	44790	6	0	0	0	1	1635.3	2.2	0.6	0.0	1637.5	6	
15	0	19560	3	0	0	0	0	714.1	1.1	0.3	0.0	715.2	6	
16	0	21380	3	0	0	0	0	780.6	1.0	0.3	0.0	781.5	6	
17	0	18680	4	0	0	0	0	682.0	0.9	0.3	0.0	682.9	6	
1A	31	24361	-1	3	0	0	2	889.4	4.1	0.3	0.0	893.5	6	
1E	31	25389	-1	3	0	0	2	926.9	4.1	0.3	0.0	931.0	6	
1I	31	24524	-2	2	0	0	2	895.4	4.1	0.2	0.0	899.4	6	
1M	31	25226	-2	2	0	0	2	921.0	4.1	0.2	0.0	925.1	6	
2	31	34700	18	-5	0	-0	1	1266.9	2.6	1.8	0.0	1269.5	6	
3	31	16595	11	-3	0	-0	1	605.9	1.6	1.1	0.0	607.5	6	
4	31	16425	11	-3	0	-0	1	599.7	1.4	1.1	0.0	601.1	6	
5	31	14460	11	-3	0	-0	1	527.9	1.5	1.1	0.0	529.4	6	
6	31	41430	5	-0	0	0	2	1512.6	5.6	0.5	0.0	1518.2	6	
7	31	17955	3	-0	0	0	1	655.5	3.1	0.3	0.0	658.7	6	
8	31	20020	3	-0	0	0	1	730.9	3.0	0.3	0.0	734.0	6	
9	31	17745	3	-0	0	0	1	647.9	3.1	0.3	0.0	650.9	6	
10	31	41440	19	-5	0	0	1	1513.0	3.1	1.8	0.0	1516.1	6	
11	31	20255	11	-3	0	-0	1	739.5	1.8	1.1	0.0	741.3	6	
12	31	20185	11	-3	0	-0	1	736.9	1.6	1.1	0.0	738.6	6	
13	31	17985	12	-3	0	-0	1	656.6	1.7	1.1	0.0	658.4	6	
14	31	44800	5	-0	0	0	3	1635.6	5.7	0.5	0.0	1641.4	6	
15	31	19570	3	-0	0	0	1	714.5	3.1	0.3	0.0	717.6	6	
16	31	21385	3	-0	0	0	1	780.8	3.0	0.3	0.0	783.8	6	
17	31	18690	3	-0	0	0	1	682.4	3.0	0.3	0.0	685.4	6	
1A	62	24366	-3	3	0	-1	1	889.6	3.0	0.3	0.0	892.6	6	
1E	62	25394	-3	3	0	-1	1	927.1	3.0	0.3	0.0	930.1	6	
1I	62	24529	-4	2	0	-0	1	895.6	2.0	0.4	0.0	897.6	6	
1M	62	25231	-4	2	0	-0	1	921.2	2.0	0.4	0.0	923.2	6	
2	62	34710	22	-7	0	2	8	1267.3	17.4	2.2	0.0	1284.6	6	
3	62	16600	14	-5	0	1	5	606.1	10.5	1.4	0.0	616.6	6	
4	62	16430	14	-5	0	1	4	599.9	10.2	1.3	0.0	610.1	6	
5	62	14470	14	-5	0	1	5	528.3	10.4	1.4	0.0	538.7	6	
6	62	41440	4	-1	0	1	4	1513.0	8.8	0.4	0.0	1521.8	6	
7	62	17960	3	-0	0	0	2	655.7	5.0	0.2	0.0	660.7	6	
8	62	20030	2	-0	0	0	2	731.3	4.8	0.2	0.0	736.1	6	
9	62	17750	3	-1	0	0	2	648.0	5.1	0.3	0.0	653.1	6	
10	62	41450	23	-8	0	2	8	1513.3	18.2	2.2	0.0	1531.5	6	
11	62	20260	14	-5	0	1	5	739.7	10.9	1.4	0.0	750.6	6	
12	62	20190	14	-5	0	1	5	737.1	10.7	1.4	0.0	747.8	6	
13	62	17990	14	-5	0	1	5	656.8	10.8	1.4	0.0	667.6	6	
14	62	44810	4	-1	0	1	4	1636.0	8.9	0.4	0.0	1644.9	6	
15	62	19580	3	-1	0	0	2	714.9	5.0	0.3	0.0	719.9	6	
16	62	21390	3	-1	0	0	2	780.9	4.9	0.3	0.0	785.8	6	
17	62	18700	3	-1	0	0	2	682.7	5.1	0.3	0.0	687.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24366	1	2	16	16	16	1.00	1.00	894.3	
1E	25394	1	2	16	16	16	1.00	1.00	931.8	
1I	24529	1	2	16	16	16	1.00	1.00	900.2	
1M	25231	1	2	16	16	16	1.00	1.00	925.8	
2	34710	1	3	16	16	16	1.00	1.00	1275.2	
3	16600	0	2	16	16	16	1.00	1.00	610.8	
4	16430	0	2	16	16	16	1.00	1.00	604.5	
5	14470	0	2	16	16	16	1.00	1.00	533.0	
6	41440	1	3	16	16	16	1.00	1.00	1519.8	
7	17960	0	2	16	16	16	1.00	1.00	659.3	
8	20030	0	2	16	16	16	1.00	1.00	734.9	
9	17750	0	2	16	16	16	1.00	1.00	651.6	
10	41450	1	3	16	16	16	1.00	1.00	1521.9	
11	20260	0	2	16	16	16	1.00	1.00	744.7	

12	20190	0	2	16	16	16	1.00	1.00	742.0	
13	17990	0	2	16	16	16	1.00	1.00	661.7	
14	44810	1	3	16	16	16	1.00	1.00	1642.9	
15	19580	0	2	16	16	16	1.00	1.00	718.5	
16	21390	0	2	16	16	16	1.00	1.00	784.5	
17	18700	0	2	16	16	16	1.00	1.00	686.3	

ASTA NUM. 45 NI 106 NF 53 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-33184	17	-3	0	-1	-3	1211.5	8.0	1.6	0.0	1219.5	6	
1E	0	-32776	17	-3	0	-1	-3	1196.6	8.0	1.6	0.0	1204.6	6	
1I	0	-33208	16	-3	0	-1	-3	1212.4	7.5	1.5	0.0	1219.9	6	
1M	0	-32752	16	-3	0	-1	-3	1195.7	7.5	1.5	0.0	1203.2	6	
2	0	-43970	16	-8	0	-3	-1	1605.3	7.6	1.5	0.0	1612.9	1	
3	0	-25910	9	-5	0	-2	-1	946.0	4.3	0.9	0.0	950.2	1	
4	0	-25740	9	-4	0	-2	-0	939.8	4.0	0.9	0.0	943.8	1	
5	0	-25690	10	-4	0	-2	-0	937.9	4.3	0.9	0.0	942.3	1	
6	0	-53450	26	-7	0	-2	-5	1951.4	12.7	2.5	0.0	1964.2	6	
7	0	-31310	15	-4	0	-1	-3	1143.1	7.0	1.5	0.0	1150.1	6	
8	0	-31510	15	-4	0	-1	-3	1150.4	6.4	1.5	0.0	1156.9	6	
9	0	-31820	16	-3	0	-2	-3	1161.7	6.9	1.6	0.0	1168.7	6	
10	0	-46140	17	-8	0	-3	-2	1684.6	8.3	1.7	0.0	1692.8	1	
11	0	-27060	10	-5	0	-2	-1	988.0	4.7	1.0	0.0	992.6	1	
12	0	-27600	11	-4	0	-2	-0	1007.7	4.5	1.1	0.0	1012.1	1	
13	0	-26580	10	-4	0	-2	-1	970.4	4.7	1.0	0.0	975.1	1	
14	0	-50080	24	-7	0	-2	-5	1828.4	13.0	2.3	0.0	1841.4	6	
15	0	-28990	13	-4	0	-1	-3	1058.4	7.1	1.3	0.0	1065.6	6	
16	0	-30230	15	-3	0	-1	-2	1103.7	6.4	1.5	0.0	1110.0	6	
17	0	-28860	14	-3	0	-1	-3	1053.7	7.1	1.4	0.0	1060.7	6	
1A	27	-33179	15	-3	0	-0	1	1211.4	2.0	1.5	0.0	1213.4	6	
1E	27	-32771	15	-3	0	-0	1	1196.5	2.0	1.5	0.0	1198.5	6	
1I	27	-33203	14	-3	0	-0	1	1212.2	2.2	1.4	0.0	1214.4	6	
1M	27	-32747	14	-3	0	-0	1	1195.6	2.2	1.4	0.0	1197.7	6	
2	27	-43965	8	-10	0	-1	2	1605.1	4.6	1.0	0.0	1609.8	6	
3	27	-25905	4	-6	0	-0	1	945.8	2.8	0.6	0.0	948.6	6	
4	27	-25740	5	-6	0	-1	2	939.8	4.1	0.5	0.0	943.9	6	
5	27	-25685	5	-5	0	-1	2	937.8	3.9	0.5	0.0	941.7	6	
6	27	-53445	22	-8	0	-0	1	1951.3	3.2	2.2	0.0	1954.5	6	
7	27	-31305	13	-4	0	-0	1	1142.9	2.1	1.2	0.0	1145.1	6	
8	27	-31510	13	-4	0	-0	1	1150.4	3.1	1.3	0.0	1153.6	6	
9	27	-31815	14	-4	0	-1	1	1161.6	3.3	1.4	0.0	1164.8	6	
10	27	-46130	10	-10	0	-1	2	1684.2	4.5	1.0	0.0	1688.7	6	
11	27	-27060	5	-6	0	-0	1	988.0	2.9	0.6	0.0	990.8	6	
12	27	-27595	6	-6	0	-1	2	1007.5	4.7	0.6	0.0	1012.2	6	
13	27	-26575	5	-5	0	-1	1	970.2	3.7	0.5	0.0	973.9	6	
14	27	-50070	20	-8	0	-0	1	1828.0	1.6	2.0	0.0	1829.6	6	
15	27	-28985	11	-4	0	-0	0	1058.2	1.1	1.1	0.0	1059.3	6	
16	27	-30225	13	-4	0	-0	1	1103.5	3.1	1.3	0.0	1106.6	6	
17	27	-28855	12	-4	0	-0	1	1053.5	1.8	1.2	0.0	1055.3	6	
1A	54	-33174	14	-3	0	1	5	1211.2	10.5	1.3	0.0	1221.7	6	
1E	54	-32766	14	-3	0	1	5	1196.3	10.5	1.3	0.0	1206.8	6	
1I	54	-33198	13	-3	0	1	5	1212.1	10.2	1.3	0.0	1222.2	6	
1M	54	-32742	13	-3	0	1	5	1195.4	10.2	1.3	0.0	1205.5	6	
2	54	-43960	1	-12	0	2	3	1605.0	8.6	1.2	0.0	1613.5	6	
3	54	-25900	-1	-7	0	1	2	945.6	4.8	0.7	0.0	950.4	6	
4	54	-25740	-0	-7	0	1	2	939.8	5.9	0.7	0.0	945.7	6	
5	54	-25680	0	-7	0	1	2	937.6	5.6	0.7	0.0	943.2	6	
6	54	-53440	19	-8	0	2	7	1951.1	15.9	1.8	0.0	1967.0	6	
7	54	-31300	11	-5	0	1	4	1142.8	9.3	1.0	0.0	1152.1	6	
8	54	-31510	11	-4	0	1	5	1150.4	10.3	1.1	0.0	1160.8	6	
9	54	-31810	12	-4	0	0	5	1161.4	10.4	1.1	0.0	1171.8	6	
10	54	-46120	2	-12	0	2	3	1683.8	9.2	1.2	0.0	1693.0	6	
11	54	-27060	0	-7	0	1	2	988.0	5.2	0.7	0.0	993.1	6	
12	54	-27590	2	-7	0	1	3	1007.3	7.2	0.7	0.0	1014.5	6	
13	54	-26570	1	-7	0	1	2	970.1	5.7	0.7	0.0	975.7	6	
14	54	-50060	17	-8	0	2	6	1827.7	13.2	1.6	0.0	1840.9	6	
15	54	-28980	9	-4	0	1	3	1058.1	7.6	0.9	0.0	1065.7	6	
16	54	-30220	11	-4	0	1	5	1103.3	10.1	1.1	0.0	1113.4	6	
17	54	-28850	10	-4	0	1	4	1053.3	8.1	1.0	0.0	1061.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-33184	0	2	14	14	14	1.00	1.00	1216.5	
1E	-32776	0	2	14	14	14	1.00	1.00	1201.7	
1I	-33208	0	2	14	14	14	1.00	1.00	1217.3	
1M	-32752	0	2	14	14	14	1.00	1.00	1200.6	
2	-43970	1	1	14	14	14	1.00	1.00	1610.9	
3	-25910	1	1	14	14	14	1.00	1.00	949.2	
4	-25740	1	1	14	14	14	1.00	1.00	944.2	
5	-25690	1	1	14	14	14	1.00	1.00	942.2	
6	-53450	1	3	14	14	14	1.00	1.00	1959.5	
7	-31310	1	2	14	14	14	1.00	1.00	1147.7	
8	-31510	1	2	14	14	14	1.00	1.00	1155.6	
9	-31820	1	2	14	14	14	1.00	1.00	1167.4	
10	-46140	1	1	14	14	14	1.00	1.00	1690.3	
11	-27060	1	1	14	14	14	1.00	1.00	991.3	
12	-27600	1	2	14	14	14	1.00	1.00	1012.9	
13	-26580	1	1	14	14	14	1.00	1.00	974.5	
14	-50080	1	2	14	14	14	1.00	1.00	1835.2	
15	-28990	1	1	14	14	14	1.00	1.00	1062.2	
16	-30230	1	2	14	14	14	1.00	1.00	1108.8	
17	-28860	1	1	14	14	14	1.00	1.00	1058.0	

ASTA NUM. 46 NI 104 NF 72 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-34154	-11	-0	0	3	-5	1246.9	12.8	1.1	0.0	1259.8	6	
1E	0	-33526	-11	-0	0	3	-5	1224.0	12.8	1.1	0.0	1236.9	6	
1I	0	-34101	-12	-1	0	3	-5	1245.0	12.1	1.2	0.0	1257.1	6	
1M	0	-33579	-12	-1	0	3	-5	1226.0	12.1	1.2	0.0	1238.1	6	
2	0	-44970	-23	-6	0	2	-2	1641.8	6.5	2.3	0.0	1648.4	6	
3	0	-26650	-14	-4	0	1	-1	973.0	3.4	1.4	0.0	976.4	1	
4	0	-27140	-14	-4	0	1	-1	990.9	3.3	1.4	0.0	994.1	1	
5	0	-26380	-14	-4	0	1	-1	963.1	3.5	1.4	0.0	966.7	6	
6	0	-54700	-18	-3	0	4	-7	1997.1	18.5	1.8	0.0	2015.6	6	
7	0	-32290	-11	-2	0	2	-4	1178.9	10.5	1.1	0.0	1189.4	6	
8	0	-33260	-11	-2	0	2	-4	1214.3	10.5	1.1	0.0	1224.8	6	
9	0	-32670	-11	-2	0	3	-4	1192.8	11.2	1.1	0.0	1204.0	6	
10	0	-47350	-24	-6	0	3	-3	1728.7	8.2	2.4	0.0	1736.9	6	
11	0	-27940	-15	-3	0	1	-1	1020.1	4.3	1.4	0.0	1024.3	1	
12	0	-29110	-15	-4	0	1	-2	1062.8	4.4	1.5	0.0	1067.2	6	
13	0	-27400	-15	-4	0	1	-2	1000.4	4.4	1.4	0.0	1004.7	6	
14	0	-51320	-18	-3	0	4	-7	1873.7	17.7	1.7	0.0	1891.4	6	
15	0	-29960	-10	-2	0	2	-4	1093.8	10.0	1.0	0.0	1103.8	6	
16	0	-31940	-11	-2	0	2	-4	1166.1	10.5	1.1	0.0	1176.6	6	
17	0	-29700	-11	-2	0	2	-4	1084.3	10.4	1.0	0.0	1094.7	6	
1A	27	-34149	-12	-0	0	3	-8	1246.8	19.4	1.2	0.0	1266.2	6	
1E	27	-33521	-12	-0	0	3	-8	1223.9	19.4	1.2	0.0	1243.3	6	
1I	27	-34096	-13	-1	0	3	-8	1244.8	19.4	1.3	0.0	1264.2	6	
1M	27	-33574	-13	-1	0	3	-8	1225.8	19.4	1.3	0.0	1245.1	6	
2	27	-44965	-31	-8	0	4	-10	1641.7	23.4	3.0	0.0	1665.1	6	
3	27	-26650	-19	-5	0	2	-6	973.0	13.6	1.8	0.0	986.5	6	
4	27	-27140	-19	-5	0	2	-5	990.9	13.4	1.8	0.0	1004.2	6	
5	27	-26375	-19	-5	0	2	-6	962.9	13.9	1.9	0.0	976.8	6	
6	27	-54695	-22	-4	0	5	-13	1996.9	30.7	2.1	0.0	2027.6	6	
7	27	-32285	-13	-2	0	3	-7	1178.7	17.7	1.3	0.0	1196.4	6	
8	27	-33255	-13	-2	0	3	-7	1214.1	17.8	1.3	0.0	1231.9	6	
9	27	-32665	-13	-2	0	3	-8	1192.6	18.7	1.3	0.0	1211.3	6	
10	27	-47340	-32	-8	0	4	-10	1728.4	25.6	3.1	0.0	1754.0	6	
11	27	-27935	-19	-5	0	3	-6	1019.9	14.8	1.9	0.0	1034.7	6	
12	27	-29105	-20	-5	0	3	-6	1062.6	15.1	1.9	0.0	1077.7	6	
13	27	-27395	-19	-5	0	3	-6	1000.2	15.0	1.9	0.0	1015.1	6	
14	27	-51315	-21	-4	0	5	-12	1873.5	29.5	2.1	0.0	1903.0	6	
15	27	-29955	-12	-2	0	3	-7	1093.6	16.9	1.2	0.0	1110.6	6	
16	27	-31935	-13	-2	0	3	-7	1165.9	17.6	1.3	0.0	1183.6	6	
17	27	-29695	-13	-2	0	3	-7	1084.2	17.4	1.2	0.0	1101.5	6	
1A	54	-34144	-14	-0	0	3	-11	1246.6	26.8	1.3	0.0	1273.4	6	
1E	54	-33516	-14	-0	0	3	-11	1223.7	26.8	1.3	0.0	1250.5	6	
1I	54	-34091	-15	-1	0	3	-12	1244.6	27.4	1.4	0.0	1272.0	6	
1M	54	-33569	-15	-1	0	3	-12	1225.6	27.4	1.4	0.0	1253.0	6	
2	54	-44960	-38	-10	0	6	-19	1641.5	45.1	3.8	0.0	1686.6	6	
3	54	-26650	-24	-6	0	4	-11	973.0	26.8	2.3	0.0	999.8	6	
4	54	-27140	-23	-6	0	4	-11	990.9	26.6	2.3	0.0	1017.5	6	
5	54	-26370	-24	-6	0	4	-11	962.8	27.2	2.3	0.0	990.0	6	
6	54	-54690	-25	-4	0	6	-19	1996.7	44.8	2.5	0.0	2041.6	6	
7	54	-32280	-15	-3	0	4	-11	1178.5	26.2	1.5	0.0	1204.7	6	
8	54	-33250	-15	-3	0	4	-11	1213.9	26.3	1.5	0.0	1240.2	6	
9	54	-32660	-15	-3	0	4	-12	1192.4	27.4	1.5	0.0	1219.8	6	

10	54	-47330	-39	-10	0	7	-20	1728.0	47.8	3.9	0.0	1775.8	6
11	54	-27930	-24	-6	0	4	-12	1019.7	28.4	2.4	0.0	1048.1	6
12	54	-29100	-24	-6	0	4	-12	1062.4	28.8	2.4	0.0	1091.2	6
13	54	-27390	-24	-6	0	4	-12	1000.0	28.6	2.4	0.0	1028.6	6
14	54	-51310	-25	-4	0	6	-18	1873.3	43.5	2.4	0.0	1916.8	6
15	54	-29950	-15	-2	0	4	-11	1093.5	25.1	1.4	0.0	1118.6	6
16	54	-31930	-15	-3	0	4	-11	1165.8	26.1	1.5	0.0	1191.8	6
17	54	-29690	-15	-3	0	4	-11	1084.0	25.7	1.4	0.0	1109.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-34154	3	9	14	14	14	1.00	1.00	1272.7	
1E	-33526	3	9	14	14	14	1.00	1.00	1249.8	
1I	-34101	3	9	14	14	14	1.00	1.00	1270.8	
1M	-33579	3	9	14	14	14	1.00	1.00	1251.7	
2	-44970	5	12	14	14	14	1.00	1.00	1678.1	
3	-26650	3	7	14	14	14	1.00	1.00	994.1	
4	-27140	3	7	14	14	14	1.00	1.00	1011.8	
5	-26380	3	7	14	14	14	1.00	1.00	984.7	
6	-54700	5	14	14	14	14	1.00	1.00	2039.1	
7	-32290	3	8	14	14	14	1.00	1.00	1203.2	
8	-33260	3	8	14	14	14	1.00	1.00	1238.7	
9	-32670	3	9	14	14	14	1.00	1.00	1218.2	
10	-47350	5	13	14	14	14	1.00	1.00	1767.9	
11	-27940	3	8	14	14	14	1.00	1.00	1042.9	
12	-29110	3	8	14	14	14	1.00	1.00	1086.0	
13	-27400	3	8	14	14	14	1.00	1.00	1023.3	
14	-51320	5	14	14	14	14	1.00	1.00	1914.3	
15	-29960	3	8	14	14	14	1.00	1.00	1117.1	
16	-31940	3	8	14	14	14	1.00	1.00	1190.3	
17	-29700	3	8	14	14	14	1.00	1.00	1108.1	

ASTA NUM. 47 NI 103 NF 68 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-34357	-1	-0	0	1	-1	1254.4	2.3	0.1	0.0	1256.7	6	
1E	0	-33523	-1	-0	0	1	-1	1223.9	2.3	0.1	0.0	1226.3	6	
1I	0	-34245	-2	-1	0	0	-1	1250.3	1.6	0.2	0.0	1251.9	6	
1M	0	-33635	-2	-1	0	0	-1	1228.0	1.6	0.2	0.0	1229.6	6	
2	0	-45130	-11	-7	0	-2	3	1647.7	8.3	1.1	0.0	1656.0	6	
3	0	-26910	-7	-4	0	-1	2	982.5	5.4	0.7	0.0	987.9	6	
4	0	-27960	-7	-4	0	-1	2	1020.8	5.6	0.7	0.0	1026.4	6	
5	0	-26580	-7	-4	0	-1	2	970.4	5.3	0.7	0.0	975.8	6	
6	0	-54780	-3	-4	0	-0	-1	2000.0	2.0	0.4	0.0	2002.0	6	
7	0	-32570	-2	-2	0	-0	-0	1189.1	0.9	0.2	0.0	1190.0	6	
8	0	-34180	-2	-2	0	-0	-0	1247.9	0.7	0.2	0.0	1248.6	6	
9	0	-32820	-2	-2	0	-0	-0	1198.2	1.1	0.2	0.0	1199.4	6	
10	0	-47580	-11	-7	0	-2	3	1737.1	7.8	1.1	0.0	1744.9	6	
11	0	-28240	-7	-4	0	-1	2	1031.0	5.1	0.7	0.0	1036.1	6	
12	0	-29960	-7	-4	0	-1	2	1093.8	5.2	0.7	0.0	1099.0	6	
13	0	-27650	-7	-4	0	-1	2	1009.5	5.0	0.7	0.0	1014.5	6	
14	0	-51400	-3	-4	0	-0	-1	1876.6	2.0	0.4	0.0	1878.6	6	
15	0	-30250	-2	-2	0	-0	-0	1104.4	1.0	0.2	0.0	1105.4	6	
16	0	-32840	-2	-2	0	-0	-0	1199.0	0.8	0.2	0.0	1199.8	6	
17	0	-29850	-2	-2	0	-0	-0	1089.8	1.1	0.2	0.0	1091.0	6	
1A	28	-34352	-2	-0	0	1	-1	1254.2	3.4	0.2	0.0	1257.6	6	
1E	28	-33518	-2	-0	0	1	-1	1223.7	3.4	0.2	0.0	1227.2	6	
1I	28	-34240	-3	-1	0	1	-1	1250.1	3.4	0.3	0.0	1253.5	6	
1M	28	-33630	-3	-1	0	1	-1	1227.8	3.4	0.3	0.0	1231.2	6	
2	28	-45120	-19	-9	0	0	-1	1647.3	2.4	1.9	0.0	1649.8	6	
3	28	-26905	-12	-5	0	0	-1	982.3	1.3	1.2	0.0	983.6	6	
4	28	-27955	-12	-5	0	0	-0	1020.6	1.2	1.2	0.0	1021.8	6	
5	28	-26575	-12	-5	0	0	-1	970.2	1.4	1.2	0.0	971.6	6	
6	28	-54770	-6	-4	0	1	-2	1999.6	5.1	0.6	0.0	2004.8	6	
7	28	-32565	-4	-3	0	1	-1	1188.9	2.9	0.4	0.0	1191.9	6	
8	28	-34175	-4	-3	0	1	-1	1247.7	2.8	0.4	0.0	1250.5	6	
9	28	-32815	-4	-3	0	1	-1	1198.1	3.1	0.4	0.0	1201.2	6	
10	28	-47575	-19	-9	0	1	-1	1736.9	3.0	1.9	0.0	1740.0	6	
11	28	-28240	-12	-6	0	0	-1	1031.0	1.6	1.2	0.0	1032.7	6	
12	28	-29955	-12	-6	0	0	-1	1093.6	1.5	1.2	0.0	1095.2	6	
13	28	-27645	-12	-6	0	0	-1	1009.3	1.7	1.2	0.0	1011.0	6	
14	28	-51395	-6	-5	0	1	-2	1876.4	5.1	0.6	0.0	1881.5	6	
15	28	-30245	-4	-3	0	1	-1	1104.2	2.9	0.4	0.0	1107.2	6	
16	28	-32835	-4	-3	0	1	-1	1198.8	2.9	0.4	0.0	1201.7	6	
17	28	-29845	-4	-3	0	1	-1	1089.6	3.1	0.4	0.0	1092.7	6	
1A	57	-34347	-4	-0	0	1	-2	1254.0	5.4	0.4	0.0	1259.4	6	
1E	57	-33513	-4	-0	0	1	-2	1223.6	5.4	0.4	0.0	1229.0	6	
1I	57	-34235	-5	-1	0	1	-3	1249.9	6.1	0.5	0.0	1256.1	6	
1M	57	-33625	-5	-1	0	1	-3	1227.6	6.1	0.5	0.0	1233.8	6	
2	57	-45110	-27	-11	0	3	-7	1647.0	18.4	2.6	0.0	1665.4	6	
3	57	-26900	-17	-7	0	2	-5	982.1	11.3	1.7	0.0	993.4	6	
4	57	-27950	-17	-7	0	2	-5	1020.4	11.2	1.7	0.0	1031.6	6	
5	57	-26570	-17	-7	0	2	-5	970.1	11.4	1.7	0.0	981.4	6	
6	57	-54760	-10	-5	0	2	-4	1999.3	10.9	0.9	0.0	2010.2	6	
7	57	-32560	-6	-3	0	1	-3	1188.8	6.5	0.6	0.0	1195.3	6	
8	57	-34170	-6	-3	0	1	-3	1247.5	6.4	0.6	0.0	1254.0	6	
9	57	-32810	-6	-3	0	1	-3	1197.9	6.7	0.6	0.0	1204.6	6	
10	57	-47570	-27	-11	0	3	-8	1736.8	19.0	2.6	0.0	1755.8	6	
11	57	-28240	-17	-7	0	2	-5	1031.0	11.6	1.6	0.0	1042.7	6	
12	57	-29950	-17	-7	0	2	-5	1093.5	11.5	1.7	0.0	1105.0	6	
13	57	-27640	-17	-7	0	2	-5	1009.1	11.7	1.7	0.0	1020.8	6	
14	57	-51390	-10	-5	0	2	-4	1876.2	11.1	1.0	0.0	1887.4	6	
15	57	-30240	-6	-3	0	1	-3	1104.1	6.5	0.6	0.0	1110.6	6	
16	57	-32830	-6	-3	0	1	-3	1198.6	6.5	0.6	0.0	1205.1	6	
17	57	-29840	-6	-3	0	1	-3	1089.4	6.7	0.6	0.0	1096.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-34357	1	2	15	15	15	1.00	1.00	1259.5	
1E	-33523	1	2	15	15	15	1.00	1.00	1229.1	
1I	-34245	1	2	15	15	15	1.00	1.00	1255.6	
1M	-33635	1	2	15	15	15	1.00	1.00	1233.3	
2	-45130	1	3	15	15	15	1.00	1.00	1657.3	
3	-26910	1	2	15	15	15	1.00	1.00	988.2	
4	-27960	1	2	15	15	15	1.00	1.00	1026.4	
5	-26580	1	2	15	15	15	1.00	1.00	976.2	
6	-54780	1	3	15	15	15	1.00	1.00	2009.0	
7	-32570	1	2	15	15	15	1.00	1.00	1194.4	
8	-34180	1	2	15	15	15	1.00	1.00	1253.1	
9	-32820	1	2	15	15	15	1.00	1.00	1203.7	
10	-47580	1	3	15	15	15	1.00	1.00	1747.4	
11	-28240	1	2	15	15	15	1.00	1.00	1037.2	
12	-29960	1	2	15	15	15	1.00	1.00	1099.9	
13	-27650	1	2	15	15	15	1.00	1.00	1015.6	
14	-51400	1	3	15	15	15	1.00	1.00	1885.6	
15	-30250	1	2	15	15	15	1.00	1.00	1109.7	
16	-32840	1	2	15	15	15	1.00	1.00	1204.2	
17	-29850	1	2	15	15	15	1.00	1.00	1095.2	

ASTA NUM. 48 NI 101 NF 66 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-35104	-3	0	0	1	-0	1281.6	1.3	0.3	0.0	1282.9	1	
1E	0	-34076	-3	0	0	1	-0	1244.1	1.3	0.3	0.0	1245.4	1	
1I	0	-34941	-5	-1	0	0	0	1275.7	1.0	0.5	0.0	1276.7	6	
1M	0	-34239	-5	-1	0	0	0	1250.1	1.0	0.5	0.0	1251.1	6	
2	0	-46040	-15	-7	0	-2	5	1680.9	13.2	1.5	0.0	1694.1	6	
3	0	-27560	-9	-4	0	-1	3	1006.2	8.5	0.9	0.0	1014.7	6	
4	0	-29080	-9	-4	0	-1	3	1061.7	8.3	0.9	0.0	1070.0	6	
5	0	-27200	-9	-4	0	-2	3	993.1	8.3	0.9	0.0	1001.4	6	
6	0	-55760	-7	-4	0	-1	1	2035.8	2.1	0.7	0.0	2037.8	1	
7	0	-33330	-4	-2	0	-0	1	1216.9	1.6	0.4	0.0	1218.4	6	
8	0	-35480	-4	-2	0	-0	1	1295.4	1.4	0.4	0.0	1296.7	6	
9	0	-33480	-4	-2	0	-0	0	1222.3	1.3	0.4	0.0	1223.7	1	
10	0	-48640	-15	-7	0	-2	5	1775.8	12.7	1.5	0.0	1788.6	6	
11	0	-28990	-10	-4	0	-1	3	1058.4	8.2	0.9	0.0	1066.6	6	
12	0	-31160	-9	-4	0	-1	3	1137.6	8.0	0.9	0.0	1145.7	6	
13	0	-28350	-10	-4	0	-1	3	1035.0	8.1	0.9	0.0	1043.2	6	
14	0	-52380	-7	-4	0	-1	1	1912.4	2.1	0.7	0.0	1914.5	6	
15	0	-30990	-4	-2	0	-0	1	1131.4	1.6	0.4	0.0	1133.0	6	
16	0	-34110	-4	-2	0	-0	0	1245.3	1.3	0.4	0.0	1246.6	6	
17	0	-30500	-4	-2	0	-0	1	1113.5	1.4	0.4	0.0	1115.0	6	
1A	31	-35099	-5	0	0	1	-1	1281.4	3.4	0.5	0.0	1284.8	6	

1E	31	-34071	-5	0	0	1	-1	1243.9	3.4	0.5	0.0	1247.3	6
1I	31	-34936	-6	-1	0	0	-1	1275.5	3.3	0.6	0.0	1278.7	6
1M	31	-34234	-6	-1	0	0	-1	1249.9	3.3	0.6	0.0	1253.1	6
2	31	-46035	-24	-9	0	0	-1	1680.7	1.5	2.3	0.0	1682.2	6
3	31	-27560	-15	-6	0	0	-0	1006.2	0.7	1.5	0.0	1006.9	6
4	31	-29075	-15	-6	0	0	-0	1061.5	0.7	1.4	0.0	1062.2	6
5	31	-27195	-15	-6	0	0	-0	992.9	0.8	1.5	0.0	993.7	6
6	31	-55750	-11	-4	0	1	-2	2035.4	4.7	1.0	0.0	2040.2	6
7	31	-33325	-7	-3	0	0	-1	1216.7	2.6	0.7	0.0	1219.3	6
8	31	-35475	-6	-3	0	0	-1	1295.2	2.7	0.6	0.0	1297.9	6
9	31	-33475	-7	-3	0	0	-1	1222.2	2.9	0.7	0.0	1225.1	6
10	31	-48630	-24	-9	0	0	-1	1775.5	2.0	2.4	0.0	1777.5	6
11	31	-28985	-15	-6	0	0	-0	1058.2	1.0	1.5	0.0	1059.2	6
12	31	-31155	-15	-6	0	0	-0	1137.5	1.1	1.5	0.0	1138.5	6
13	31	-28345	-15	-6	0	0	-0	1034.9	1.1	1.5	0.0	1035.9	6
14	31	-52375	-11	-4	0	1	-2	1912.2	4.6	1.1	0.0	1916.8	6
15	31	-30985	-7	-3	0	0	-1	1131.3	2.6	0.7	0.0	1133.8	6
16	31	-34105	-6	-3	0	0	-1	1245.2	2.7	0.6	0.0	1247.9	6
17	31	-30495	-7	-3	0	0	-1	1113.4	2.7	0.6	0.0	1116.1	6
1A	62	-35094	-7	0	0	0	-3	1281.3	7.1	0.7	0.0	1288.4	6
1E	62	-34066	-7	0	0	0	-3	1243.7	7.1	0.7	0.0	1250.9	6
1I	62	-34931	-8	-1	0	1	-4	1275.3	8.1	0.8	0.0	1283.4	6
1M	62	-34229	-8	-1	0	1	-4	1249.7	8.1	0.8	0.0	1257.8	6
2	62	-46030	-32	-12	0	3	-9	1680.5	22.4	3.2	0.0	1702.9	6
3	62	-27560	-20	-7	0	2	-6	1006.2	13.8	2.0	0.0	1020.0	6
4	62	-29070	-20	-7	0	2	-6	1061.3	13.6	2.0	0.0	1075.0	6
5	62	-27190	-20	-7	0	2	-6	992.7	13.9	2.0	0.0	1006.5	6
6	62	-55740	-14	-5	0	2	-6	2035.0	14.1	1.4	0.0	2049.1	6
7	62	-33320	-9	-3	0	1	-4	1216.5	8.5	0.9	0.0	1225.0	6
8	62	-35470	-9	-3	0	1	-3	1295.0	8.4	0.9	0.0	1303.4	6
9	62	-33470	-9	-3	0	1	-4	1222.0	8.7	0.9	0.0	1230.7	6
10	62	-48620	-33	-11	0	3	-10	1775.1	23.0	3.2	0.0	1798.1	6
11	62	-28980	-20	-7	0	2	-6	1058.1	14.1	2.0	0.0	1072.2	6
12	62	-31150	-20	-7	0	2	-6	1137.3	14.1	2.0	0.0	1151.3	6
13	62	-28340	-20	-7	0	2	-6	1034.7	14.2	2.0	0.0	1048.9	6
14	62	-52370	-15	-5	0	2	-6	1912.0	14.1	1.4	0.0	1926.1	6
15	62	-30980	-9	-3	0	1	-3	1131.1	8.4	0.9	0.0	1139.4	6
16	62	-34100	-9	-3	0	1	-3	1245.0	8.4	0.9	0.0	1253.4	6
17	62	-30490	-9	-3	0	1	-4	1113.2	8.5	0.9	0.0	1121.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-35104	1	2	16	16	16	1.01	1.00	1299.8	
1E	-34076	1	2	16	16	16	1.01	1.00	1261.9	
1I	-34941	0	2	16	16	16	1.01	1.00	1293.8	
1M	-34239	0	2	16	16	16	1.01	1.00	1267.9	
2	-46040	1	4	16	16	16	1.01	1.00	1708.6	
3	-27560	1	2	16	16	16	1.01	1.00	1022.9	
4	-29080	1	2	16	16	16	1.01	1.00	1078.9	
5	-27200	1	2	16	16	16	1.01	1.00	1009.7	
6	-55760	1	3	16	16	16	1.01	1.00	2065.2	
7	-33330	1	2	16	16	16	1.01	1.00	1234.3	
8	-35480	1	2	16	16	16	1.01	1.00	1313.7	
9	-33480	1	2	16	16	16	1.01	1.00	1240.1	
10	-48640	1	4	16	16	16	1.01	1.00	1804.8	
11	-28990	1	2	16	16	16	1.01	1.00	1075.8	
12	-31160	1	2	16	16	16	1.01	1.00	1155.8	
13	-28350	1	2	16	16	16	1.01	1.00	1052.2	
14	-52380	1	3	16	16	16	1.01	1.00	1940.5	
15	-30990	1	2	16	16	16	1.01	1.00	1148.0	
16	-34110	1	2	16	16	16	1.01	1.00	1263.3	
17	-30500	1	2	16	16	16	1.01	1.00	1130.0	

ASTA NUM. 49 NI 107 NF 54 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-31084	14	5	0	1	-4	1134.9	9.1	1.4	0.0	1143.9	6	
1E	0	-30676	14	5	0	1	-4	1120.0	9.1	1.4	0.0	1129.0	6	
1I	0	-31108	14	5	0	1	-4	1135.7	8.6	1.3	0.0	1144.3	6	
1M	0	-30652	14	5	0	1	-4	1119.1	8.6	1.3	0.0	1127.7	6	
2	0	-41260	13	9	0	3	-2	1506.4	7.6	1.3	0.0	1514.0	1	
3	0	-22400	5	6	0	2	-1	817.8	4.4	0.6	0.0	822.2	1	
4	0	-21210	5	6	0	2	-1	774.4	4.3	0.6	0.0	778.7	1	
5	0	-23960	7	6	0	2	-1	874.8	4.4	0.7	0.0	879.2	1	
6	0	-50270	22	8	0	2	-6	1835.3	13.8	2.2	0.0	1849.1	6	
7	0	-26500	10	5	0	1	-4	967.5	8.4	1.0	0.0	975.9	6	
8	0	-26240	10	5	0	1	-4	958.0	8.6	1.0	0.0	966.6	6	
9	0	-29920	14	5	0	1	-3	1092.4	7.6	1.3	0.0	1100.0	6	
10	0	-43320	15	9	0	3	-2	1581.6	8.3	1.4	0.0	1589.9	1	
11	0	-23490	6	6	0	2	-1	857.6	4.8	0.6	0.0	862.4	1	
12	0	-22600	6	6	0	2	-1	825.1	4.8	0.6	0.0	829.9	1	
13	0	-24680	8	6	0	2	-1	901.1	4.8	0.8	0.0	905.8	1	
14	0	-46890	20	8	0	2	-6	1711.9	14.1	2.0	0.0	1726.0	6	
15	0	-24180	9	5	0	1	-4	882.8	8.6	0.9	0.0	891.4	6	
16	0	-24310	9	5	0	1	-4	887.6	8.7	0.9	0.0	896.2	6	
17	0	-26790	12	5	0	1	-3	978.1	7.8	1.1	0.0	985.9	6	
1A	27	-31079	13	5	0	0	-0	1134.7	0.2	1.3	0.0	1134.9	6	
1E	27	-30671	13	5	0	0	-0	1119.8	0.2	1.3	0.0	1120.0	6	
1I	27	-31103	12	5	0	0	-0	1135.6	0.1	1.2	0.0	1135.7	6	
1M	27	-30647	12	5	0	0	-0	1118.9	0.1	1.2	0.0	1119.0	6	
2	27	-41255	5	11	0	0	1	1506.2	1.8	1.1	0.0	1508.0	6	
3	27	-22395	1	7	0	-0	-0	817.6	0.6	0.7	0.0	818.2	6	
4	27	-21205	0	7	0	-0	-0	774.2	0.9	0.7	0.0	775.1	6	
5	27	-23955	3	7	0	0	1	874.6	1.7	0.7	0.0	876.3	6	
6	27	-50265	19	8	0	0	-0	1835.2	0.2	1.9	0.0	1835.4	6	
7	27	-26495	8	6	0	-0	-1	967.3	2.5	0.8	0.0	969.9	6	
8	27	-26235	8	6	0	-0	-1	957.8	2.8	0.8	0.0	960.7	6	
9	27	-29915	12	6	0	-0	0	1092.2	0.7	1.1	0.0	1092.9	6	
10	27	-43315	7	11	0	0	1	1581.4	1.6	1.1	0.0	1583.0	6	
11	27	-23485	2	7	0	0	-0	857.4	0.7	0.7	0.0	858.1	6	
12	27	-22600	1	7	0	0	-0	825.1	0.7	0.7	0.0	825.9	6	
13	27	-24675	3	7	0	0	1	900.9	1.4	0.7	0.0	902.2	6	
14	27	-46885	17	8	0	-0	-1	1711.8	1.9	1.7	0.0	1713.7	6	
15	27	-24175	7	6	0	-0	-2	882.6	3.7	0.7	0.0	886.3	6	
16	27	-24305	7	6	0	-0	-1	887.4	3.4	0.7	0.0	890.8	6	
17	27	-26785	9	5	0	-0	-0	977.9	0.9	0.9	0.0	978.8	6	
1A	54	-31074	12	5	0	-1	3	1134.5	7.8	1.1	0.0	1142.3	6	
1E	54	-30666	12	5	0	-1	3	1119.6	7.8	1.1	0.0	1127.4	6	
1I	54	-31098	11	5	0	-1	3	1135.4	7.5	1.1	0.0	1142.9	6	
1M	54	-30642	11	5	0	-1	3	1118.7	7.5	1.1	0.0	1126.3	6	
2	54	-41250	-2	13	0	-3	1	1506.0	7.0	1.3	0.0	1513.1	1	
3	54	-22390	-4	8	0	-2	-1	817.5	5.0	0.8	0.0	822.5	1	
4	54	-21200	-5	8	0	-2	-1	774.0	5.4	0.8	0.0	779.4	1	
5	54	-23950	-2	8	0	-2	1	874.4	4.7	0.8	0.0	879.1	1	
6	54	-50260	16	9	0	-2	5	1835.0	11.6	1.5	0.0	1846.6	6	
7	54	-26490	6	6	0	-2	1	967.1	4.6	0.6	0.0	971.7	1	
8	54	-26230	6	6	0	-2	1	957.6	4.6	0.6	0.0	962.3	1	
9	54	-29910	9	6	0	-2	3	1092.0	7.9	0.9	0.0	1099.9	6	
10	54	-43310	-0	13	0	-3	2	1581.2	7.2	1.3	0.0	1588.4	1	
11	54	-23480	-3	8	0	-2	-0	857.2	4.7	0.8	0.0	861.9	1	
12	54	-22600	-3	8	0	-2	-1	825.1	4.7	0.8	0.0	829.9	1	
13	54	-24670	-1	8	0	-2	1	900.7	4.6	0.8	0.0	905.3	1	
14	54	-46880	13	9	0	-2	3	1711.6	8.7	1.3	0.0	1720.3	6	
15	54	-24170	5	6	0	-2	-0	882.4	4.1	0.6	0.0	886.6	1	
16	54	-24300	5	6	0	-2	0	887.2	4.0	0.6	0.0	891.2	1	
17	54	-26780	7	6	0	-2	2	977.7	5.3	0.7	0.0	983.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-31084	1	1	14	14	14	1.00	1.00	1139.3	
1E	-30676	1	1	14	14	14	1.00	1.00	1124.4	
1I	-31108	1	1	14	14	14	1.00	1.00	1140.0	
1M	-30652	1	1	14	14	14	1.00	1.00	1123.3	
2	-41260	1	1	14	14	14	1.00	1.00	1510.4	
3	-22400	1	1	14	14	14	1.00	1.00	821.6	
4	-21210	1	1	14	14	14	1.00	1.00	778.4	
5	-23960	1	0	14	14	14	1.00	1.00	877.1	
6	-50270	1	2	14	14	14	1.00	1.00	1842.2	
7	-26500	1	2	14	14	14	1.00	1.00	972.9	
8	-26240	1	2	14	14	14	1.00	1.00	963.7	
9	-29920	1	1	14	14	14	1.00	1.00	1096.4	
10	-43320	1	1	14	14	14	1.00	1.00	1586.2	
11	-23490	1	1	14	14	14	1.00	1.00	861.5	
12	-22600	1	1	14	14	14	1.00	1.00	829.1	
13	-24680	1	0	14	14	14	1.00	1.00	903.5	
14	-46890	1	2	14	14	14	1.00	1.00	1719.0	
15	-24180	1	2	14	14	14	1.00	1.00	889.2	
16	-24310	1	2	14	14	14	1.00	1.00	893.7	
17	-26790	1	1	14	14	14	1.00	1.00	982.2	

ASTA NUM. 50 NI 105 NF 71 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-31264	-10	3	0	-2	-5	1141.4	11.4	1.0	0.0	1152.9	6	
1E	0	-30636	-10	3	0	-2	-5	1118.5	11.4	1.0	0.0	1130.0	6	
1I	0	-31210	-11	2	0	-2	-4	1139.5	11.0	1.1	0.0	1150.5	6	
1M	0	-30690	-11	2	0	-2	-4	1120.5	11.0	1.1	0.0	1131.4	6	
2	0	-41510	-23	5	0	-2	-2	1515.5	5.5	2.2	0.0	1521.1	1	
3	0	-22360	-13	3	0	-1	-1	816.4	2.2	1.3	0.0	818.6	1	
4	0	-20500	-13	3	0	-1	-0	748.4	1.9	1.3	0.0	750.3	1	
5	0	-23990	-14	3	0	-1	-1	875.9	2.6	1.3	0.0	878.5	1	
6	0	-50520	-18	2	0	-4	-7	1844.5	17.5	1.7	0.0	1862.0	6	
7	0	-26360	-9	1	0	-2	-3	962.4	8.6	0.9	0.0	971.0	6	
8	0	-25340	-9	1	0	-2	-3	925.2	8.6	0.9	0.0	933.8	6	
9	0	-29960	-11	2	0	-2	-4	1093.8	10.0	1.0	0.0	1103.8	6	
10	0	-43480	-24	5	0	-2	-3	1587.4	7.3	2.3	0.0	1594.7	6	
11	0	-23400	-14	3	0	-1	-1	854.3	3.2	1.3	0.0	857.5	1	
12	0	-21870	-13	3	0	-1	-1	798.5	2.9	1.3	0.0	801.4	1	
13	0	-24650	-14	3	0	-1	-1	900.0	3.5	1.4	0.0	903.4	1	
14	0	-47140	-17	2	0	-4	-6	1721.1	16.7	1.7	0.0	1737.7	6	
15	0	-24030	-9	1	0	-2	-3	877.3	8.1	0.9	0.0	885.4	6	
16	0	-23440	-9	1	0	-2	-3	855.8	8.4	0.9	0.0	864.1	6	
17	0	-26810	-10	1	0	-2	-3	978.8	9.1	1.0	0.0	987.9	6	
1A	27	-31259	-12	3	0	-3	-8	1141.2	18.3	1.2	0.0	1159.6	6	
1E	27	-30631	-12	3	0	-3	-8	1118.3	18.3	1.2	0.0	1136.7	6	
1I	27	-31205	-13	2	0	-3	-8	1139.3	18.3	1.3	0.0	1157.6	6	
1M	27	-30685	-13	2	0	-3	-8	1120.3	18.3	1.3	0.0	1138.6	6	
2	27	-41505	-30	7	0	-4	-9	1515.3	21.8	3.0	0.0	1537.1	6	
3	27	-22355	-18	4	0	-2	-5	816.2	11.4	1.7	0.0	827.5	6	
4	27	-20500	-17	4	0	-2	-4	748.4	10.8	1.7	0.0	759.2	6	
5	27	-23990	-18	5	0	-2	-5	875.9	12.2	1.8	0.0	888.1	6	
6	27	-50510	-21	3	0	-5	-12	1844.1	29.1	2.1	0.0	1873.2	6	
7	27	-26355	-12	2	0	-2	-6	962.2	14.9	1.1	0.0	977.1	6	
8	27	-25335	-12	2	0	-2	-6	925.0	14.9	1.1	0.0	939.9	6	
9	27	-29955	-13	2	0	-3	-7	1093.6	17.0	1.2	0.0	1110.6	6	
10	27	-43475	-31	7	0	-4	-10	1587.3	24.2	3.1	0.0	1611.5	6	
11	27	-23395	-18	4	0	-2	-5	854.1	12.8	1.8	0.0	866.9	6	
12	27	-21865	-18	4	0	-2	-5	798.3	12.5	1.8	0.0	810.7	6	
13	27	-24645	-19	4	0	-2	-6	899.8	13.4	1.8	0.0	913.2	6	
14	27	-47130	-21	3	0	-5	-11	1720.7	27.9	2.0	0.0	1748.6	6	
15	27	-24030	-11	2	0	-2	-6	877.3	14.1	1.1	0.0	891.4	6	
16	27	-23440	-11	2	0	-2	-6	855.8	14.5	1.1	0.0	870.3	6	
17	27	-26805	-12	2	0	-3	-6	978.6	15.6	1.2	0.0	994.2	6	
1A	54	-31254	-13	3	0	-4	-11	1141.1	26.0	1.3	0.0	1167.1	6	
1E	54	-30626	-13	3	0	-4	-11	1118.2	26.0	1.3	0.0	1144.2	6	
1I	54	-31200	-14	2	0	-4	-11	1139.1	26.4	1.4	0.0	1165.5	6	
1M	54	-30680	-14	2	0	-4	-11	1120.1	26.4	1.4	0.0	1146.5	6	
2	54	-41500	-38	9	0	-6	-18	1515.2	42.9	3.7	0.0	1558.1	6	
3	54	-22350	-23	6	0	-3	-10	816.0	23.9	2.2	0.0	839.9	6	
4	54	-20500	-22	6	0	-3	-10	748.4	23.2	2.2	0.0	771.6	6	
5	54	-23990	-23	6	0	-3	-11	875.9	25.1	2.3	0.0	901.0	6	
6	54	-50500	-24	3	0	-6	-18	1843.7	42.7	2.4	0.0	1886.5	6	
7	54	-26350	-14	2	0	-3	-10	962.0	22.5	1.3	0.0	984.5	6	
8	54	-25330	-14	2	0	-3	-10	924.8	22.5	1.3	0.0	947.3	6	
9	54	-29950	-15	2	0	-3	-11	1093.5	25.2	1.4	0.0	1118.7	6	
10	54	-43470	-39	9	0	-6	-19	1587.1	46.0	3.8	0.0	1633.0	6	
11	54	-23390	-23	6	0	-3	-11	854.0	25.7	2.3	0.0	879.6	6	
12	54	-21860	-23	6	0	-3	-11	798.1	25.3	2.3	0.0	823.4	6	
13	54	-24640	-24	6	0	-4	-11	899.6	26.6	2.3	0.0	926.2	6	
14	54	-47120	-24	3	0	-5	-18	1720.3	41.3	2.4	0.0	1761.7	6	
15	54	-24030	-13	2	0	-3	-9	877.3	21.4	1.3	0.0	898.7	6	
16	54	-23440	-13	2	0	-3	-9	855.8	21.8	1.3	0.0	877.6	6	
17	54	-26800	-14	2	0	-3	-10	978.5	23.4	1.4	0.0	1001.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-31264	3	8	14	14	14	1.00	1.00	1165.8	
1E	-30636	3	8	14	14	14	1.00	1.00	1142.9	
1I	-31210	3	8	14	14	14	1.00	1.00	1163.9	
1M	-30690	3	8	14	14	14	1.00	1.00	1144.9	
2	-41510	4	12	14	14	14	1.00	1.00	1549.4	
3	-22360	2	6	14	14	14	1.00	1.00	834.5	
4	-20500	2	6	14	14	14	1.00	1.00	765.8	
5	-23990	2	7	14	14	14	1.00	1.00	895.2	
6	-50520	5	14	14	14	14	1.00	1.00	1884.2	
7	-26360	3	7	14	14	14	1.00	1.00	982.8	
8	-25340	3	7	14	14	14	1.00	1.00	945.5	
9	-29960	3	8	14	14	14	1.00	1.00	1116.9	
10	-43480	5	13	14	14	14	1.00	1.00	1624.5	
11	-23400	3	7	14	14	14	1.00	1.00	874.3	
12	-21870	2	7	14	14	14	1.00	1.00	818.0	
13	-24650	3	7	14	14	14	1.00	1.00	920.8	
14	-47140	5	13	14	14	14	1.00	1.00	1759.4	
15	-24030	2	7	14	14	14	1.00	1.00	896.7	
16	-23440	2	7	14	14	14	1.00	1.00	875.6	
17	-26810	3	7	14	14	14	1.00	1.00	1000.2	

ASTA NUM. 51 NI 102 NF 67 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-30817	-1	4	0	1	-1	1125.1	2.5	0.4	0.0	1127.6	6	
1E	0	-29983	-1	4	0	1	-1	1094.7	2.5	0.4	0.0	1097.2	6	
1I	0	-30705	-2	3	0	0	-1	1121.0	1.7	0.3	0.0	1122.8	6	
1M	0	-30095	-2	3	0	0	-1	1098.8	1.7	0.3	0.0	1100.5	6	
2	0	-41030	-11	7	0	2	3	1498.0	8.5	1.1	0.0	1506.5	6	
3	0	-21950	-7	4	0	1	2	801.4	5.7	0.7	0.0	807.1	6	
4	0	-19540	-7	4	0	1	2	713.4	5.8	0.7	0.0	719.2	6	
5	0	-23630	-7	4	0	1	2	862.7	5.8	0.7	0.0	868.5	6	
6	0	-49750	-2	5	0	1	-1	1816.4	2.4	0.4	0.0	1818.8	6	
7	0	-25700	-2	3	0	0	-0	938.3	1.3	0.3	0.0	939.6	1	
8	0	-24040	-2	3	0	1	-0	877.7	1.4	0.3	0.0	879.1	1	
9	0	-29420	-2	3	0	0	-0	1074.1	1.1	0.3	0.0	1075.2	1	
10	0	-42840	-11	8	0	2	3	1564.1	7.8	1.1	0.0	1571.9	6	
11	0	-22880	-7	5	0	1	2	835.3	5.3	0.7	0.0	840.7	6	
12	0	-20820	-7	5	0	1	2	760.1	5.4	0.7	0.0	765.5	6	
13	0	-24190	-7	5	0	1	2	883.2	5.4	0.7	0.0	888.6	6	
14	0	-46370	-2	5	0	1	-1	1693.0	2.5	0.5	0.0	1695.4	6	
15	0	-23380	-2	3	0	1	-0	853.6	1.4	0.3	0.0	855.0	1	
16	0	-22170	-2	3	0	1	-0	809.4	1.5	0.3	0.0	811.0	1	
17	0	-26270	-2	3	0	0	-0	959.1	1.3	0.3	0.0	960.4	1	
1A	28	-30812	-2	4	0	-1	-1	1124.9	3.4	0.4	0.0	1128.3	6	
1E	28	-29978	-2	4	0	-1	-1	1094.5	3.4	0.4	0.0	1097.9	6	
1I	28	-30700	-3	3	0	-1	-1	1120.9	3.4	0.3	0.0	1124.2	6	
1M	28	-30090	-3	3	0	-1	-1	1098.6	3.4	0.3	0.0	1102.0	6	
2	28	-41025	-19	9	0	-0	-1	1497.8	2.3	1.9	0.0	1500.1	6	
3	28	-21945	-12	6	0	-0	-0	801.2	1.1	1.2	0.0	802.3	6	
4	28	-19540	-12	6	0	-0	-0	713.4	1.0	1.2	0.0	714.4	6	
5	28	-23630	-12	6	0	-0	-0	862.7	1.0	1.2	0.0	863.7	6	
6	28	-49740	-6	5	0	-1	-2	1816.0	5.1	0.6	0.0	1821.1	6	
7	28	-25695	-4	3	0	-0	-1	938.1	2.7	0.4	0.0	940.8	6	
8	28	-24035	-4	3	0	-0	-1	877.5	2.7	0.4	0.0	880.2	6	
9	28	-29415	-4	3	0	-0	-1	1073.9	2.7	0.4	0.0	1076.7	6	
10	28	-42830	-19	10	0	-0	-1	1563.7	3.0	1.8	0.0	1566.7	6	
11	28	-22880	-12	6	0	-0	-1	835.3	1.5	1.2	0.0	836.8	6	
12	28	-20815	-12	6	0	-0	-1	759.9	1.4	1.2	0.0	761.4	6	
13	28	-24185	-12	6	0	-0	-1	883.0	1.4	1.2	0.0	884.4	6	
14	28	-46365	-6	5	0	-1	-2	1692.8	5.1	0.6	0.0	1697.9	6	
15	28	-23375	-4	3	0	-0	-1	853.4	2.7	0.4	0.0	856.1	6	
16	28	-22165	-4	3	0	-0	-1	809.2	2.8	0.4	0.0	812.0	6	
17	28	-26265	-4	3	0	-0	-1	958.9	2.7	0.4	0.0	961.6	6	
1A	57	-30807	-4	4	0	-2	-2	1124.7	6.1	0.4	0.0	1130.9	6	
1E	57	-29973	-4	4	0	-2	-2	1094.3	6.1	0.4	0.0	1100.4	6	
1I	57	-30695	-5	3	0	-2	-3	1120.7	6.6	0.5	0.0	1127.3	6	
1M	57	-30085	-5	3	0	-2	-3	1098.4	6.6	0.5	0.0	1105.0	6	
2	57	-41020	-27	12	0	-3	-7	1497.6	18.4	2.6	0.0	1516.0	6	
3	57	-21940	-17	7	0	-2	-5	801.0	11.1	1.7	0.0	812.2	6	
4	57	-19540	-17	7	0	-2	-5	713.4	11.1	1.7	0.0	724.5	6	
5	57	-23630	-17	7	0	-2	-4	862.7	11.1	1.7	0.0	873.8	6	
6	57	-49730	-9	6	0	-2	-4	1815.6	10.9	0.9	0.0	1826.6	6	
7	57	-25690	-6	3	0	-1	-3	937.9	6.4	0.6	0.0	944.3	6	
8	57	-24030	-6	4	0	-1	-3	877.3	6.4	0.6	0.0	883.7	6	
9	57	-29410	-6	3	0	-1	-3	1073.7	6.4	0.6	0.0	1080.2	6	
10	57	-42820	-27	12	0	-4	-8	1563.3	19.1	2.6	0.0	1582.4	6	
11	57	-22880	-17	7	0	-2	-5	835.3	11.5	1.6	0.0	846.9	6	
12	57	-20810	-17	7	0	-2	-5	759.8	11.5	1.6	0.0	771.3	6	
13	57	-24180	-17	7	0	-2	-5	882.8	11.4	1.6	0.0	894.3	6	
14	57	-46360	-10	6	0	-2	-4	1692.6	11.2	1.0	0.0	1703.8	6	
15	57	-23370	-6	4	0	-1	-3	853.2	6.4	0.6	0.0	859.6	6	
16	57	-22160	-6	4	0	-1	-3	809.1	6.5	0.6	0.0	815.5	6	
17	57	-26260	-6	4	0	-1	-3	958.7	6.4	0.6	0.0	965.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30817	1	2	15	15	15	1.00	1.00	1130.4	
1E	-29983	1	2	15	15	15	1.00	1.00	1099.9	
1I	-30705	1	2	15	15	15	1.00	1.00	1126.4	
1M	-30095	1	2	15	15	15	1.00	1.00	1104.1	
2	-41030	1	3	15	15	15	1.00	1.00	1507.6	
3	-21950	1	2	15	15	15	1.00	1.00	807.0	
4	-19540	1	2	15	15	15	1.00	1.00	718.9	
5	-23630	1	2	15	15	15	1.00	1.00	868.2	
6	-49750	1	3	15	15	15	1.00	1.00	1825.2	
7	-25700	1	2	15	15	15	1.00	1.00	943.1	
8	-24040	1	2	15	15	15	1.00	1.00	882.5	
9	-29420	1	2	15	15	15	1.00	1.00	1079.1	
10	-42840	1	3	15	15	15	1.00	1.00	1574.4	
11	-22880	1	2	15	15	15	1.00	1.00	841.4	
12	-20820	1	2	15	15	15	1.00	1.00	766.1	
13	-24190	1	2	15	15	15	1.00	1.00	889.1	
14	-46370	1	3	15	15	15	1.00	1.00	1701.8	
15	-23380	1	2	15	15	15	1.00	1.00	858.3	
16	-22170	1	2	15	15	15	1.00	1.00	814.2	
17	-26270	1	2	15	15	15	1.00	1.00	963.9	

ASTA NUM. 52 NI 100 NF 63 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-31004	-3	4	0	1	-0	1131.9	2.3	0.4	0.0	1134.3	1	
1E	0	-29976	-3	4	0	1	-0	1094.4	2.3	0.4	0.0	1096.8	1	
1I	0	-30840	-5	3	0	1	0	1126.0	1.9	0.5	0.0	1127.9	1	
1M	0	-30140	-5	3	0	1	0	1100.4	1.9	0.5	0.0	1102.3	1	
2	0	-41410	-15	7	0	3	5	1511.9	13.3	1.5	0.0	1525.2	6	
3	0	-22050	-9	4	0	2	3	805.0	8.6	0.9	0.0	813.7	6	
4	0	-19170	-9	4	0	2	3	699.9	8.8	0.9	0.0	708.6	6	
5	0	-23790	-9	4	0	2	3	868.6	8.4	0.9	0.0	876.9	6	
6	0	-50010	-7	4	0	1	1	1825.8	2.5	0.6	0.0	1828.3	1	
7	0	-25660	-4	2	0	1	1	936.8	1.9	0.4	0.0	938.7	1	
8	0	-23450	-4	2	0	1	1	856.2	2.1	0.4	0.0	858.2	1	
9	0	-29500	-4	2	0	1	0	1077.0	1.6	0.4	0.0	1078.6	1	
10	0	-43160	-15	7	0	2	5	1575.8	12.9	1.5	0.0	1588.6	6	
11	0	-22950	-9	4	0	2	3	837.9	8.4	0.9	0.0	846.2	6	
12	0	-20420	-9	4	0	2	3	745.5	8.4	0.9	0.0	754.0	6	
13	0	-24300	-9	4	0	2	3	887.2	8.2	0.9	0.0	895.3	6	
14	0	-46640	-7	4	0	1	1	1702.8	2.5	0.6	0.0	1705.3	1	
15	0	-23330	-4	2	0	1	1	851.8	1.8	0.4	0.0	853.6	1	
16	0	-21610	-4	2	0	1	1	789.0	1.9	0.4	0.0	790.9	1	
17	0	-26340	-4	2	0	1	0	961.7	1.5	0.4	0.0	963.2	1	
1A	31	-30999	-5	4	0	-0	-1	1131.8	3.0	0.5	0.0	1134.8	6	
1E	31	-29971	-5	4	0	-0	-1	1094.2	3.0	0.5	0.0	1097.3	6	
1I	31	-30835	-6	3	0	-0	-1	1125.8	3.0	0.6	0.0	1128.8	6	
1M	31	-30135	-6	3	0	-0	-1	1100.2	3.0	0.6	0.0	1103.2	6	
2	31	-41405	-24	9	0	0	-1	1511.7	1.3	2.3	0.0	1513.0	6	
3	31	-22045	-15	6	0	0	-0	804.9	0.5	1.4	0.0	805.4	6	
4	31	-19165	-15	6	0	0	-0	699.7	0.6	1.4	0.0	700.3	1	
5	31	-23785	-14	6	0	0	-0	868.4	0.6	1.4	0.0	869.0	6	
6	31	-50005	-10	5	0	-0	-2	1825.7	4.5	1.0	0.0	1830.2	6	
7	31	-25655	-6	3	0	-0	-1	936.7	2.2	0.6	0.0	938.9	6	
8	31	-23445	-6	3	0	-0	-1	856.0	2.2	0.6	0.0	858.1	6	
9	31	-29495	-6	3	0	-0	-1	1076.9	2.5	0.6	0.0	1079.4	6	
10	31	-43150	-24	9	0	-0	-1	1575.4	1.8	2.3	0.0	1577.2	6	
11	31	-22945	-15	6	0	0	-0	837.7	0.8	1.4	0.0	838.5	6	
12	31	-20415	-15	6	0	0	-0	745.3	0.8	1.4	0.0	746.2	6	
13	31	-24295	-15	6	0	0	-0	887.0	0.8	1.4	0.0	887.8	6	
14	31	-46630	-11	4	0	-0	-2	1702.4	4.4	1.0	0.0	1706.8	6	
15	31	-23325	-6	3	0	-0	-1	851.6	2.1	0.6	0.0	853.7	6	
16	31	-21605	-6	3	0	-0	-1	788.8	2.2	0.6	0.0	791.0	6	
17	31	-26335	-6	3	0	-0	-1	961.5	2.3	0.6	0.0	963.8	6	
1A	62	-30994	-7	4	0	-1	-3	1131.6	7.8	0.6	0.0	1139.3	6	
1E	62	-29966	-7	4	0	-1	-3	1094.1	7.8	0.6	0.0	1101.8	6	
1I	62	-30830	-8	3	0	-1	-4	1125.6	8.5	0.8	0.0	1134.1	6	
1M	62	-30130	-8	3	0	-1	-4	1100.0	8.5	0.8	0.0	1108.5	6	
2	62	-41400	-32	12	0	-3	-9	1511.5	22.0	3.2	0.0	1533.5	6	
3	62	-22040	-20	7	0	-2	-6	804.7	13.2	2.0	0.0	817.9	6	
4	62	-19160	-20	7	0	-2	-6	699.5	13.1	2.0	0.0	712.6	6	
5	62	-23780	-20	7	0	-2	-6	868.2	13.2	1.9	0.0	881.4	6	
6	62	-50000	-14	5	0	-2	-6	1825.5	13.8	1.4	0.0	1839.2	6	
7	62	-25650	-9	3	0	-1	-3	936.5	7.8	0.8	0.0	944.3	6	
8	62	-23440	-9	3	0	-1	-3	855.8	7.8	0.9	0.0	863.6	6	
9	62	-29490	-9	3	0	-1	-3	1076.7	8.0	0.8	0.0	1084.7	6	
10	62	-43140	-32	12	0	-3	-10	1575.0	22.7	3.2	0.0	1597.8	6	
11	62	-22940	-20	7	0	-2	-6	837.5	13.6	2.0	0.0	851.1	6	
12	62	-20410	-20	7	0	-2	-6	745.2	13.5	2.0	0.0	758.7	6	
13	62	-24290	-20	7	0	-2	-6	886.8	13.6	2.0	0.0	900.4	6	
14	62	-46620	-15	5	0	-2	-6	1702.1	13.7	1.4	0.0	1715.8	6	
15	62	-23320	-9	3	0	-1	-3	851.4	7.6	0.8	0.0	859.0	6	
16	62	-21600	-9	3	0	-1	-3	788.6	7.7	0.8	0.0	796.3	6	
17	62	-26330	-8	3	0	-1	-3	961.3	7.8	0.8	0.0	969.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-31004	1	2	16	16	16	1.01	1.00	1148.6	
1E	-29976	1	2	16	16	16	1.01	1.00	1110.7	
1I	-30840	1	2	16	16	16	1.01	1.00	1142.5	
1M	-30140	1	2	16	16	16	1.01	1.00	1116.7	
2	-41410	1	4	16	16	16	1.01	1.00	1537.6	
3	-22050	1	2	16	16	16	1.01	1.00	819.4	
4	-19170	1	2	16	16	16	1.01	1.00	713.1	
5	-23790	1	2	16	16	16	1.01	1.00	883.6	
6	-50010	1	3	16	16	16	1.01	1.00	1852.7	
7	-25660	0	2	16	16	16	1.01	1.00	950.8	
8	-23450	0	2	16	16	16	1.01	1.00	869.3	
9	-29500	0	2	16	16	16	1.01	1.00	1092.7	
10	-43160	1	4	16	16	16	1.01	1.00	1602.5	
11	-22950	1	2	16	16	16	1.01	1.00	852.8	
12	-20420	1	2	16	16	16	1.01	1.00	759.4	
13	-24300	1	2	16	16	16	1.01	1.00	902.5	
14	-46640	1	3	16	16	16	1.01	1.00	1728.3	
15	-23330	0	2	16	16	16	1.01	1.00	864.8	
16	-21610	0	2	16	16	16	1.01	1.00	801.4	
17	-26340	0	2	16	16	16	1.01	1.00	976.0	

ASTA NUM. 53 NI 90 NF 58 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-35281	-1	1	0	0	1	1288.1	2.2	0.1	0.0	1290.3	6	
1E	0	-34059	-1	1	0	0	1	1243.5	2.2	0.1	0.0	1245.7	6	
1I	0	-35069	-2	1	0	0	1	1280.4	2.8	0.2	0.0	1283.2	6	
1M	0	-34271	-2	1	0	0	1	1251.2	2.8	0.2	0.0	1254.0	6	
2	0	-46220	-13	-6	0	-3	8	1687.5	18.8	1.3	0.0	1706.3	6	
3	0	-27800	-8	-4	0	-2	5	1015.0	12.1	0.8	0.0	1027.1	6	
4	0	-29740	-8	-4	0	-2	5	1085.8	12.1	0.8	0.0	1097.9	6	
5	0	-27380	-8	-4	0	-2	5	999.6	12.2	0.8	0.0	1011.8	6	
6	0	-55820	-1	-2	0	-1	2	2038.0	4.2	0.2	0.0	2042.2	6	
7	0	-33550	-1	-1	0	-1	1	1224.9	3.1	0.1	0.0	1228.0	6	
8	0	-36180	-1	-1	0	-0	1	1320.9	3.0	0.1	0.0	1324.0	6	
9	0	-33590	-1	-1	0	-1	1	1226.4	3.1	0.1	0.0	1229.5	6	
10	0	-48880	-13	-6	0	-3	8	1784.6	18.4	1.3	0.0	1803.0	6	
11	0	-29260	-8	-4	0	-2	5	1068.3	11.8	0.8	0.0	1080.1	6	
12	0	-31830	-8	-4	0	-2	5	1162.1	11.7	0.8	0.0	1173.8	6	
13	0	-28580	-8	-4	0	-2	5	1043.4	12.0	0.8	0.0	1055.4	6	
14	0	-52460	-2	-3	0	-1	2	1915.3	4.6	0.3	0.0	1919.9	6	
15	0	-31220	-1	-2	0	-1	1	1139.8	3.2	0.2	0.0	1143.0	6	
16	0	-34790	-1	-2	0	-0	1	1270.2	3.0	0.2	0.0	1273.2	6	
17	0	-30630	-1	-2	0	-1	1	1118.3	3.3	0.2	0.0	1121.6	6	
1A	33	-35271	-3	1	0	-0	0	1287.7	0.6	0.3	0.0	1288.3	6	
1E	33	-34049	-3	1	0	-0	0	1243.1	0.6	0.3	0.0	1243.7	6	
1I	33	-35059	-4	1	0	0	0	1280.0	0.6	0.4	0.0	1280.6	6	
1M	33	-34261	-4	1	0	0	0	1250.8	0.6	0.4	0.0	1251.4	6	
2	33	-46210	-22	-9	0	-0	2	1687.1	4.3	2.2	0.0	1691.4	6	
3	33	-27795	-14	-6	0	-0	1	1014.8	3.0	1.4	0.0	1017.8	6	
4	33	-29735	-14	-6	0	-0	1	1085.6	2.8	1.4	0.0	1088.4	6	
5	33	-27375	-14	-6	0	-0	1	999.5	2.9	1.4	0.0	1002.4	6	
6	33	-55810	-6	-3	0	0	1	2037.6	1.2	0.5	0.0	2038.8	6	

7	33	-33545	-4	-2	0	0	1	1224.7	1.2	0.3	0.0	1225.9	6
8	33	-36175	-4	-2	0	0	0	1320.7	1.1	0.4	0.0	1321.8	6
9	33	-33585	-4	-2	0	0	0	1226.2	1.0	0.4	0.0	1227.2	6
10	33	-48870	-22	-9	0	-0	2	1784.2	4.0	2.2	0.0	1788.2	6
11	33	-29255	-14	-6	0	-0	1	1068.1	2.8	1.4	0.0	1070.9	6
12	33	-31825	-14	-6	0	-0	1	1161.9	2.5	1.4	0.0	1164.5	6
13	33	-28575	-14	-6	0	-0	1	1043.3	2.8	1.4	0.0	1046.1	6
14	33	-52450	-6	-3	0	0	1	1914.9	1.2	0.6	0.0	1916.1	6
15	33	-31215	-4	-2	0	0	1	1139.6	1.1	0.4	0.0	1140.8	6
16	33	-34785	-4	-2	0	0	0	1270.0	0.9	0.4	0.0	1270.9	6
17	33	-30625	-4	-2	0	0	0	1118.1	1.0	0.4	0.0	1119.1	6
1A	67	-35261	-5	1	0	-0	-1	1287.4	2.6	0.5	0.0	1289.9	6
1E	67	-34039	-5	1	0	-0	-1	1242.8	2.6	0.5	0.0	1245.3	6
1I	67	-35049	-6	1	0	-0	-1	1279.6	2.9	0.5	0.0	1282.5	6
1M	67	-34251	-6	1	0	-0	-1	1250.5	2.9	0.5	0.0	1253.4	6
2	67	-46200	-32	-12	0	3	-7	1686.7	17.5	3.1	0.0	1704.3	6
3	67	-27790	-20	-7	0	2	-4	1014.6	10.7	1.9	0.0	1025.3	6
4	67	-29730	-20	-7	0	2	-4	1085.4	11.1	2.0	0.0	1096.5	6
5	67	-27370	-20	-7	0	2	-4	999.3	10.9	2.0	0.0	1010.2	6
6	67	-55800	-10	-4	0	1	-2	2037.2	5.2	1.0	0.0	2042.4	6
7	67	-33540	-6	-2	0	1	-1	1224.5	2.9	0.6	0.0	1227.4	6
8	67	-36170	-6	-2	0	1	-1	1320.6	3.3	0.6	0.0	1323.9	6
9	67	-33580	-6	-2	0	1	-1	1226.0	3.2	0.6	0.0	1229.2	6
10	67	-48860	-32	-12	0	3	-7	1783.9	17.7	3.1	0.0	1801.6	6
11	67	-29250	-20	-7	0	2	-4	1067.9	10.8	1.9	0.0	1078.7	6
12	67	-31820	-20	-7	0	2	-5	1161.7	11.2	2.0	0.0	1173.0	6
13	67	-28570	-20	-7	0	2	-4	1043.1	11.0	2.0	0.0	1054.1	6
14	67	-52440	-10	-4	0	1	-2	1914.6	5.7	1.0	0.0	1920.2	6
15	67	-31210	-6	-2	0	1	-1	1139.5	3.0	0.6	0.0	1142.5	6
16	67	-34780	-6	-2	0	1	-1	1269.8	3.6	0.6	0.0	1273.4	6
17	67	-30620	-6	-2	0	1	-1	1117.9	3.2	0.6	0.0	1121.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-35281	0	0	17	17	17	1.01	1.00	1302.2	
1E	-34059	0	0	17	17	17	1.01	1.00	1257.2	
1I	-35069	0	1	17	17	17	1.01	1.00	1294.6	
1M	-34271	0	1	17	17	17	1.01	1.00	1265.2	
2	-46220	1	3	17	17	17	1.01	1.00	1713.6	
3	-27800	1	2	17	17	17	1.01	1.00	1031.0	
4	-29740	1	2	17	17	17	1.01	1.00	1102.7	
5	-27380	1	2	17	17	17	1.01	1.00	1015.6	
6	-55820	0	1	17	17	17	1.01	1.00	2061.1	
7	-33550	0	1	17	17	17	1.01	1.00	1238.9	
8	-36180	0	1	17	17	17	1.01	1.00	1336.0	
9	-33590	0	1	17	17	17	1.01	1.00	1240.3	
10	-48880	1	3	17	17	17	1.01	1.00	1811.6	
11	-29260	1	2	17	17	17	1.01	1.00	1084.8	
12	-31830	1	2	17	17	17	1.01	1.00	1179.6	
13	-28580	1	2	17	17	17	1.01	1.00	1059.7	
14	-52460	1	1	17	17	17	1.01	1.00	1937.4	
15	-31220	0	1	17	17	17	1.01	1.00	1153.0	
16	-34790	0	1	17	17	17	1.01	1.00	1284.8	
17	-30630	0	1	17	17	17	1.01	1.00	1131.2	

ASTA NUM. 54 NI 7 NF 88 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	22934	1	2	0	2	3	837.3	8.2	0.2	0.0	845.5	6	
1E	0	24326	1	2	0	2	3	888.1	8.2	0.2	0.0	896.3	6	
1I	0	23226	-1	2	0	2	4	848.0	8.9	0.2	0.0	856.9	6	
1M	0	24034	-1	2	0	2	4	877.5	8.9	0.2	0.0	886.4	6	
2	0	32940	-28	12	0	5	11	1202.6	28.0	2.8	0.0	1230.6	6	
3	0	15170	-17	7	0	3	7	553.9	17.0	1.7	0.0	570.9	6	
4	0	14620	-18	7	0	3	7	533.8	17.1	1.7	0.0	550.9	6	
5	0	11650	-18	7	0	3	7	425.3	17.1	1.7	0.0	442.4	6	
6	0	39630	-5	4	0	3	5	1446.9	12.8	0.4	0.0	1459.7	6	
7	0	16310	-3	2	0	1	3	595.5	7.3	0.3	0.0	602.8	6	
8	0	17960	-3	2	0	1	3	655.7	7.7	0.3	0.0	663.4	6	
9	0	14410	-3	2	0	1	3	526.1	7.7	0.3	0.0	533.8	6	
10	0	39720	-29	13	0	5	12	1450.2	29.1	2.8	0.0	1479.2	6	
11	0	18860	-18	8	0	3	7	688.6	17.6	1.7	0.0	706.2	6	
12	0	18430	-18	8	0	3	7	672.9	17.8	1.7	0.0	690.6	6	
13	0	15250	-18	8	0	3	7	556.8	17.6	1.7	0.0	574.4	6	
14	0	42930	-4	4	0	3	5	1567.4	13.0	0.4	0.0	1580.4	6	
15	0	17900	-3	2	0	1	3	653.5	7.4	0.3	0.0	661.0	6	
16	0	19340	-3	2	0	1	3	706.1	7.8	0.3	0.0	713.9	6	
17	0	15420	-3	2	0	1	3	563.0	7.7	0.3	0.0	570.7	6	
1A	33	22944	-1	2	0	1	3	837.7	8.2	0.2	0.0	845.9	6	
1E	33	24336	-1	2	0	1	3	888.5	8.2	0.2	0.0	896.7	6	
1I	33	23236	-3	2	0	1	3	848.3	6.4	0.3	0.0	854.7	6	
1M	33	24044	-3	2	0	1	3	877.9	6.4	0.3	0.0	884.2	6	
2	33	32955	-24	10	0	1	3	1203.2	6.8	2.3	0.0	1209.9	6	
3	33	15180	-15	6	0	1	2	554.2	3.9	1.4	0.0	558.2	6	
4	33	14625	-15	6	0	1	2	534.0	4.0	1.4	0.0	538.0	6	
5	33	11655	-15	6	0	1	2	425.5	3.9	1.4	0.0	429.4	6	
6	33	39640	-5	3	0	1	3	1447.2	8.3	0.5	0.0	1455.6	6	
7	33	16315	-3	2	0	1	2	595.7	4.8	0.3	0.0	600.4	6	
8	33	17965	-3	2	0	1	2	655.9	5.1	0.3	0.0	660.9	6	
9	33	14415	-3	2	0	1	2	526.3	4.9	0.3	0.0	531.2	6	
10	33	39735	-24	10	0	1	3	1450.7	7.5	2.4	0.0	1458.2	6	
11	33	18865	-15	6	0	1	2	688.8	4.3	1.5	0.0	693.1	6	
12	33	18440	-15	6	0	1	2	673.2	4.4	1.5	0.0	677.6	6	
13	33	15255	-15	6	0	1	2	557.0	4.2	1.5	0.0	561.2	6	
14	33	42940	-5	3	0	2	3	1567.7	8.7	0.5	0.0	1576.4	6	
15	33	17905	-3	2	0	1	2	653.7	4.8	0.3	0.0	658.5	6	
16	33	19345	-3	2	0	1	2	706.3	5.1	0.3	0.0	711.4	6	
17	33	15425	-3	2	0	1	2	563.2	4.9	0.3	0.0	568.0	6	
1A	67	22954	-3	2	0	0	3	838.1	7.1	0.3	0.0	845.1	6	
1E	67	24346	-3	2	0	0	3	888.9	7.1	0.3	0.0	895.9	6	
1I	67	23246	-5	2	0	0	1	848.7	2.6	0.5	0.0	851.3	6	
1M	67	24054	-5	2	0	0	1	878.2	2.6	0.5	0.0	880.8	6	
2	67	32970	-19	7	0	-2	-4	1203.7	10.5	1.9	0.0	1214.3	6	
3	67	15190	-12	4	0	-1	-3	554.6	6.7	1.2	0.0	561.3	6	
4	67	14630	-12	4	0	-1	-3	534.1	6.7	1.2	0.0	540.8	6	
5	67	11660	-12	4	0	-1	-3	425.7	6.9	1.2	0.0	432.6	6	
6	67	39650	-6	3	0	0	2	1447.6	3.6	0.6	0.0	1451.2	6	
7	67	16320	-3	1	0	0	1	595.8	2.0	0.3	0.0	597.8	6	
8	67	17970	-4	1	0	0	1	656.1	2.2	0.4	0.0	658.3	6	
9	67	14420	-4	2	0	0	1	526.5	1.9	0.4	0.0	528.4	6	
10	67	39750	-19	7	0	-2	-4	1451.3	10.2	1.9	0.0	1461.5	6	
11	67	18870	-12	4	0	-1	-3	688.9	6.5	1.2	0.0	695.5	6	
12	67	18450	-12	4	0	-1	-3	673.6	6.5	1.2	0.0	680.1	6	
13	67	15260	-12	4	0	-1	-3	557.1	6.7	1.2	0.0	563.9	6	
14	67	42950	-6	3	0	1	2	1568.1	3.9	0.6	0.0	1572.0	6	
15	67	17910	-4	1	0	0	1	653.9	2.0	0.3	0.0	655.9	6	
16	67	19350	-4	1	0	0	1	706.5	2.1	0.4	0.0	708.6	6	
17	67	15430	-4	2	0	0	1	563.3	1.9	0.4	0.0	565.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	22954	1	3	17	17	17	1.00	1.00	847.4	
1E	24346	1	3	17	17	17	1.00	1.00	898.1	
1I	23246	1	3	17	17	17	1.00	1.00	856.7	
1M	24054	1	3	17	17	17	1.00	1.00	886.2	
2	32970	2	5	17	17	17	1.00	1.00	1219.2	
3	15190	1	3	17	17	17	1.00	1.00	563.8	
4	14630	1	3	17	17	17	1.00	1.00	543.3	
5	11660	1	3	17	17	17	1.00	1.00	434.7	
6	39650	2	4	17	17	17	1.00	1.00	1459.0	
7	16320	1	2	17	17	17	1.00	1.00	602.2	
8	17970	1	2	17	17	17	1.00	1.00	662.8	
9	14420	1	2	17	17	17	1.00	1.00	533.0	
10	39750	2	5	17	17	17	1.00	1.00	1467.8	
11	18870	1	3	17	17	17	1.00	1.00	698.7	
12	18450	1	3	17	17	17	1.00	1.00	683.4	
13	15260	1	3	17	17	17	1.00	1.00	566.7	
14	42950	2	4	17	17	17	1.00	1.00	1579.9	
15	17910	1	2	17	17	17	1.00	1.00	660.4	
16	19350	1	2	17	17	17	1.00	1.00	713.2	
17	15430	1	2	17	17	17	1.00	1.00	569.9	

ASTA NUM. 55 NI 5 NF 89 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

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

1A	0	-30106	4	-2	0	-1	-1	1099.2	3.7	0.4	0.0	1102.9	6
1E	0	-28714	4	-2	0	-1	-1	1048.3	3.7	0.4	0.0	1052.1	6
1I	0	-29814	2	-1	0	-1	-1	1088.5	3.0	0.2	0.0	1091.5	1
1M	0	-29006	2	-1	0	-1	-1	1059.0	3.0	0.2	0.0	1062.0	1
2	0	-40260	40	-16	0	-6	-13	1469.9	32.6	4.0	0.0	1502.4	6
3	0	-21200	25	-10	0	-3	-8	774.0	19.9	2.5	0.0	793.9	6
4	0	-17550	25	-10	0	-3	-8	640.7	19.9	2.5	0.0	660.6	6
5	0	-23010	25	-9	0	-3	-8	840.1	20.4	2.5	0.0	860.5	6
6	0	-48420	17	-8	0	-4	-7	1767.8	17.6	1.7	0.0	1785.4	6
7	0	-24450	10	-4	0	-2	-4	892.7	10.3	1.0	0.0	903.0	6
8	0	-21340	11	-4	0	-2	-4	779.1	10.6	1.0	0.0	789.7	6
9	0	-28440	11	-4	0	-2	-5	1038.3	11.2	1.0	0.0	1049.6	6
10	0	-41760	41	-16	0	-6	-13	1524.6	33.1	4.0	0.0	1557.8	6
11	0	-21940	25	-10	0	-3	-8	801.0	20.2	2.5	0.0	821.2	6
12	0	-18670	25	-10	0	-3	-8	681.6	20.3	2.5	0.0	701.9	6
13	0	-23370	25	-10	0	-3	-8	853.2	20.6	2.5	0.0	873.9	6
14	0	-45110	17	-8	0	-4	-7	1647.0	17.4	1.7	0.0	1664.3	6
15	0	-22150	10	-4	0	-2	-4	808.7	10.1	1.0	0.0	818.7	6
16	0	-19560	10	-4	0	-2	-4	714.1	10.4	1.0	0.0	724.5	6
17	0	-25330	10	-4	0	-2	-4	924.8	10.8	1.0	0.0	935.6	6
1A	33	-30101	2	-2	0	-1	0	1099.0	1.2	0.2	0.0	1100.2	1
1E	33	-28709	2	-2	0	-1	0	1048.2	1.2	0.2	0.0	1049.4	1
1I	33	-29809	0	-1	0	-1	-1	1088.3	2.2	0.1	0.0	1090.5	6
1M	33	-29001	0	-1	0	-1	-1	1058.8	2.2	0.1	0.0	1061.0	6
2	33	-40250	31	-13	0	-1	-1	1469.5	3.4	3.0	0.0	1472.9	6
3	33	-21195	19	-8	0	-0	-1	773.8	1.8	1.9	0.0	775.6	6
4	33	-17545	19	-8	0	-0	-1	640.6	1.8	1.9	0.0	642.4	6
5	33	-23005	19	-8	0	-0	-1	839.9	2.3	1.9	0.0	842.2	6
6	33	-48410	13	-7	0	-1	-2	1767.4	5.2	1.2	0.0	1772.6	6
7	33	-24445	8	-4	0	-1	-1	892.5	2.8	0.8	0.0	895.2	6
8	33	-21335	8	-4	0	-1	-1	778.9	2.9	0.8	0.0	781.8	6
9	33	-28435	8	-4	0	-1	-1	1038.2	3.6	0.8	0.0	1041.7	6
10	33	-41750	31	-13	0	-1	-1	1524.3	3.9	3.1	0.0	1528.2	6
11	33	-21935	19	-8	0	-0	-1	800.8	2.1	1.9	0.0	802.9	6
12	33	-18665	19	-8	0	-0	-1	681.5	2.1	1.9	0.0	683.6	6
13	33	-23365	19	-8	0	-0	-1	853.0	2.5	1.9	0.0	855.6	6
14	33	-45100	13	-7	0	-1	-2	1646.6	4.9	1.3	0.0	1651.5	6
15	33	-22145	8	-4	0	-0	-1	808.5	2.6	0.8	0.0	811.1	6
16	33	-19555	8	-4	0	-0	-1	713.9	2.8	0.8	0.0	716.7	6
17	33	-25325	8	-4	0	-1	-1	924.6	3.3	0.8	0.0	927.9	6
1A	67	-30096	1	-2	0	-0	1	1098.8	1.9	0.2	0.0	1100.6	6
1E	67	-28704	1	-2	0	-0	1	1048.0	1.9	0.2	0.0	1049.8	6
1I	67	-29804	-1	-1	0	-0	-1	1088.1	2.7	0.1	0.0	1090.8	6
1M	67	-28996	-1	-1	0	-0	-1	1058.6	2.7	0.1	0.0	1061.3	6
2	67	-40240	22	-11	0	3	8	1469.1	18.4	2.1	0.0	1487.5	6
3	67	-21190	13	-6	0	2	5	773.6	11.7	1.3	0.0	785.3	6
4	67	-17540	14	-6	0	2	5	640.4	11.8	1.3	0.0	652.1	6
5	67	-23000	14	-6	0	2	5	839.7	11.2	1.3	0.0	850.9	6
6	67	-48400	9	-6	0	1	2	1767.1	4.1	0.8	0.0	1771.1	6
7	67	-24440	5	-3	0	1	1	892.3	2.9	0.5	0.0	895.2	6
8	67	-21330	5	-4	0	1	1	778.8	2.9	0.5	0.0	781.6	6
9	67	-28430	5	-4	0	1	1	1038.0	2.1	0.5	0.0	1040.1	6
10	67	-41740	22	-11	0	3	7	1523.9	18.0	2.1	0.0	1541.9	6
11	67	-21930	14	-6	0	2	5	800.7	11.5	1.3	0.0	812.1	6
12	67	-18660	14	-6	0	2	5	681.3	11.5	1.3	0.0	692.7	6
13	67	-23360	14	-6	0	2	5	852.9	11.0	1.3	0.0	863.9	6
14	67	-45090	8	-6	0	1	2	1646.2	4.4	0.8	0.0	1650.7	6
15	67	-22140	5	-3	0	1	1	808.3	2.9	0.5	0.0	811.3	6
16	67	-19550	5	-4	0	1	1	713.8	2.8	0.5	0.0	716.6	6
17	67	-25320	5	-3	0	1	1	924.4	2.3	0.5	0.0	926.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30106	1	1	17	17	17	1.01	1.00	1112.7	
1E	-28714	1	1	17	17	17	1.01	1.00	1061.4	
1I	-29814	1	1	17	17	17	1.01	1.00	1103.2	
1M	-29006	1	1	17	17	17	1.01	1.00	1073.4	
2	-40260	2	5	17	17	17	1.01	1.00	1500.8	
3	-21200	1	3	17	17	17	1.01	1.00	791.5	
4	-17550	1	3	17	17	17	1.01	1.00	656.9	
5	-23010	1	3	17	17	17	1.01	1.00	858.5	
6	-48420	2	4	17	17	17	1.01	1.00	1797.0	
7	-24450	1	2	17	17	17	1.01	1.00	907.8	
8	-21340	1	2	17	17	17	1.01	1.00	793.3	
9	-28440	1	2	17	17	17	1.01	1.00	1056.0	
10	-41760	2	5	17	17	17	1.01	1.00	1556.5	
11	-21940	1	3	17	17	17	1.01	1.00	818.9	
12	-18670	1	3	17	17	17	1.01	1.00	698.4	
13	-23370	1	3	17	17	17	1.01	1.00	871.9	
14	-45110	2	3	17	17	17	1.01	1.00	1674.5	
15	-22150	1	2	17	17	17	1.01	1.00	822.7	
16	-19560	1	2	17	17	17	1.01	1.00	727.4	
17	-25330	1	2	17	17	17	1.01	1.00	940.9	

ASTA NUM. 56 NI 123 NF 84 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26216	2	-1	0	-2	4	1248.4	15.3	0.3	0.0	1263.7	6	
1E	0	-25964	2	-1	0	-2	4	1236.4	15.3	0.3	0.0	1251.7	6	
1I	0	-26319	1	-2	0	-2	5	1253.3	16.3	0.2	0.0	1269.6	6	
1M	0	-25861	1	-2	0	-2	5	1231.5	16.3	0.2	0.0	1247.8	6	
2	0	-35790	11	-2	0	-2	2	1704.3	10.2	1.4	0.0	1714.5	6	
3	0	-19830	7	-1	0	-1	2	944.3	6.7	0.9	0.0	951.0	6	
4	0	-19500	7	-1	0	-1	1	928.6	5.7	0.9	0.0	934.3	6	
5	0	-16850	6	-1	0	-1	1	802.4	5.5	0.9	0.0	807.8	1	
6	0	-42540	7	-3	0	-3	6	2025.7	21.4	0.9	0.0	2047.1	6	
7	0	-22760	5	-2	0	-2	4	1083.8	13.8	0.6	0.0	1097.6	6	
8	0	-23540	4	-2	0	-2	4	1121.0	12.9	0.5	0.0	1133.8	6	
9	0	-20250	4	-2	0	-2	3	964.3	12.4	0.5	0.0	976.7	6	
10	0	-38700	12	-2	0	-2	3	1842.9	12.0	1.5	0.0	1854.9	6	
11	0	-21500	7	-1	0	-2	2	1023.8	7.7	1.0	0.0	1031.5	6	
12	0	-21180	7	-1	0	-1	2	1008.6	6.8	0.9	0.0	1015.4	6	
13	0	-18490	7	-1	0	-1	2	880.5	6.4	0.9	0.0	886.9	6	
14	0	-41230	7	-3	0	-3	6	1963.3	22.3	0.9	0.0	1985.6	6	
15	0	-21800	5	-2	0	-2	4	1038.1	14.0	0.6	0.0	1052.1	6	
16	0	-22460	4	-2	0	-2	4	1069.5	13.0	0.6	0.0	1082.6	6	
17	0	-19130	4	-2	0	-2	3	911.0	12.6	0.5	0.0	923.5	6	
1A	30	-26216	-0	-1	0	-1	5	1248.4	15.9	0.1	0.0	1264.3	6	
1E	30	-25964	-0	-1	0	-1	5	1236.4	15.9	0.1	0.0	1252.3	6	
1I	30	-26319	-1	-2	0	-1	5	1253.3	15.9	0.2	0.0	1269.2	6	
1M	30	-25861	-1	-2	0	-1	5	1231.5	15.9	0.2	0.0	1247.4	6	
2	30	-35780	12	-1	0	-2	6	1703.8	20.4	1.6	0.0	1724.2	6	
3	30	-19825	8	-1	0	-1	4	944.0	13.4	1.1	0.0	957.4	6	
4	30	-19495	7	-0	0	-1	4	928.3	12.0	1.0	0.0	940.3	6	
5	30	-16845	7	-1	0	-1	3	802.1	11.5	1.0	0.0	813.6	6	
6	30	-42535	4	-3	0	-2	7	2025.5	25.3	0.6	0.0	2050.8	6	
7	30	-22760	3	-2	0	-1	5	1083.8	16.8	0.4	0.0	1100.6	6	
8	30	-23535	3	-2	0	-1	4	1120.7	15.3	0.3	0.0	1136.0	6	
9	30	-20250	2	-2	0	-1	4	964.3	14.6	0.3	0.0	978.9	6	
10	30	-38690	13	-1	0	-2	7	1842.4	22.8	1.7	0.0	1865.2	6	
11	30	-21495	8	-1	0	-1	4	1023.6	14.7	1.1	0.0	1038.2	6	
12	30	-21170	8	-1	0	-1	4	1008.1	13.4	1.0	0.0	1021.5	6	
13	30	-18485	8	-1	0	-1	4	880.2	12.9	1.0	0.0	893.1	6	
14	30	-41225	4	-3	0	-2	8	1963.1	26.3	0.6	0.0	1989.4	6	
15	30	-21795	3	-2	0	-1	5	1037.9	17.1	0.4	0.0	1055.0	6	
16	30	-22455	3	-2	0	-1	5	1069.3	15.6	0.4	0.0	1084.9	6	
17	30	-19125	3	-2	0	-1	4	910.7	15.0	0.3	0.0	925.7	6	
1A	61	-26216	-3	-1	0	-1	4	1248.4	14.2	0.4	0.0	1262.6	6	
1E	61	-25964	-3	-1	0	-1	4	1236.4	14.2	0.4	0.0	1250.5	6	
1I	61	-26319	-4	-2	0	-1	4	1253.3	13.2	0.5	0.0	1266.5	6	
1M	61	-25861	-4	-2	0	-1	4	1231.5	13.2	0.5	0.0	1244.7	6	
2	61	-35770	14	-0	0	-2	10	1703.3	32.1	1.8	0.0	1735.5	6	
3	61	-19820	9	0	0	-1	6	943.8	21.0	1.2	0.0	964.8	6	
4	61	-19490	8	0	0	-1	6	928.1	19.2	1.1	0.0	947.3	6	
5	61	-16840	8	-0	0	-1	6	801.9	18.6	1.1	0.0	820.5	6	
6	61	-42530	2	-3	0	-1	8	2025.2	27.2	0.4	0.0	2052.4	6	
7	61	-22760	2	-2	0	-1	6	1083.8	18.4	0.2	0.0	1102.2	6	
8	61	-23530	1	-2	0	-1	5	1120.5	16.4	0.2	0.0	1136.9	6	
9	61	-20250	1	-2	0	-1	5	964.3	15.6	0.2	0.0	979.9	6	
10	61	-38680	14	-0	0	-2	11	1841.9	35.2	1.9	0.0	1877.1	6	
11	61	-21490	9	-0	0	-1	7	1023.3	22.6	1.2	0.0	1046.0	6	
12	61	-21160	9	0	0	-1	6	1007.6	21.0	1.2	0.0	1028.6	6	
13	61	-18480	9	-0	0	-1	6	880.0	20.4	1.1	0.0	900.4	6	
14	61	-41220	2	-3	0	-1	9	1962.9	28.1	0.4	0.0	1990.9	6	
15	61	-21790	2	-1	0	-1	6	1037.6	18.9	0.2	0.0	1056.5	6	
16	61	-22450	1	-1	0	-1	5	1069.0	16.9	0.2	0.0	1086.0	6	
17	61	-19120	1	-1	0	-1	5	910.5	16.2	0.2	0.0	926.6	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	-26216	1	4	26	17	17	1.08	1.00	1366.2
1E	-25964	1	4	26	17	17	1.08	1.00	1353.3
1I	-26319	2	4	26	17	17	1.08	1.00	1371.8
1M	-25861	2	4	26	17	17	1.08	1.00	1348.3
2	-35790	2	7	26	17	17	1.08	1.00	1868.6
3	-19830	1	5	26	17	17	1.08	1.00	1037.9
4	-19500	1	4	26	17	17	1.08	1.00	1019.2
5	-16850	1	4	26	17	17	1.08	1.00	882.4
6	-42540	2	7	26	17	17	1.08	1.00	2218.6
7	-22760	2	5	26	17	17	1.08	1.00	1190.7
8	-23540	1	4	26	17	17	1.08	1.00	1228.9
9	-20250	1	4	26	17	17	1.08	1.00	1059.1
10	-38700	2	8	26	17	17	1.08	1.00	2021.3
11	-21500	1	5	26	17	17	1.08	1.00	1125.3
12	-21180	1	5	26	17	17	1.08	1.00	1107.3
13	-18490	1	4	26	17	17	1.08	1.00	968.4
14	-41230	2	8	26	17	17	1.08	1.00	2152.2
15	-21800	2	5	26	17	17	1.08	1.00	1141.6
16	-22460	1	5	26	17	17	1.08	1.00	1173.7
17	-19130	1	4	26	17	17	1.08	1.00	1001.8

ASTA NUM. 57 NI 125 NF 52 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-25869	-6	-1	0	0	5	1231.9	14.2	0.8	0.0	1246.0	6	
1E	0	-25711	-6	-1	0	0	5	1224.3	14.2	0.8	0.0	1238.5	6	
1I	0	-25987	-7	-1	0	0	5	1237.5	14.8	0.9	0.0	1252.2	6	
1M	0	-25593	-7	-1	0	0	5	1218.7	14.8	0.9	0.0	1233.5	6	
2	0	-35240	-1	-2	0	1	2	1678.1	6.6	0.2	0.0	1684.7	6	
3	0	-19550	-3	-0	0	1	1	931.0	2.2	0.3	0.0	933.2	6	
4	0	-19120	-1	-0	0	0	1	910.5	2.6	0.2	0.0	913.1	6	
5	0	-16860	-1	0	0	0	1	802.9	3.1	0.1	0.0	806.0	6	
6	0	-42010	-7	-2	0	0	6	2000.5	18.4	1.0	0.0	2018.9	6	
7	0	-22530	-7	-0	0	0	3	1072.9	8.8	0.9	0.0	1081.7	6	
8	0	-23160	-5	-1	0	0	3	1102.9	9.8	0.7	0.0	1112.6	6	
9	0	-20350	-4	-0	0	0	3	969.0	10.5	0.6	0.0	979.5	6	
10	0	-38080	-3	-2	0	1	2	1813.3	7.8	0.3	0.0	1821.1	6	
11	0	-21180	-3	-0	0	1	1	1008.6	3.0	0.4	0.0	1011.6	6	
12	0	-20750	-2	-0	0	0	1	988.1	3.5	0.2	0.0	991.6	6	
13	0	-18430	-1	-0	0	0	1	877.6	3.7	0.2	0.0	881.3	6	
14	0	-40710	-9	-2	0	0	6	1938.6	18.3	1.1	0.0	1956.9	6	
15	0	-21570	-8	-0	0	0	3	1027.1	8.4	1.0	0.0	1035.6	6	
16	0	-22090	-6	-1	0	0	3	1051.9	9.6	0.8	0.0	1061.5	6	
17	0	-19200	-5	-0	0	0	3	914.3	9.7	0.7	0.0	924.0	6	
1A	30	-25864	-9	-1	0	1	2	1231.6	7.6	1.2	0.0	1239.2	6	
1E	30	-25706	-9	-1	0	1	2	1224.1	7.6	1.2	0.0	1231.7	6	
1I	30	-25982	-9	-1	0	1	2	1237.2	7.6	1.3	0.0	1244.8	6	
1M	30	-25588	-9	-1	0	1	2	1218.5	7.6	1.3	0.0	1226.1	6	
2	30	-35230	-0	-1	0	1	2	1677.6	6.2	0.1	0.0	1683.8	6	
3	30	-19545	-2	0	0	0	-0	930.7	1.6	0.2	0.0	932.3	1	
4	30	-19115	-1	0	0	0	0	910.2	1.9	0.1	0.0	912.1	1	
5	30	-16850	0	1	0	0	1	802.4	2.7	0.1	0.0	805.1	6	
6	30	-42005	-10	-2	0	1	3	2000.2	11.3	1.3	0.0	2011.5	6	
7	30	-22525	-9	-0	0	0	0	1072.6	1.6	1.1	0.0	1074.2	6	
8	30	-23155	-7	-1	0	0	1	1102.6	4.3	0.9	0.0	1106.9	6	
9	30	-20345	-6	-0	0	0	2	968.8	5.7	0.8	0.0	974.5	6	
10	30	-38075	-1	-1	0	1	2	1813.1	6.6	0.2	0.0	1819.7	6	
11	30	-21175	-2	0	0	1	-0	1008.3	1.7	0.3	0.0	1010.0	1	
12	30	-20745	-1	0	0	1	1	987.9	2.2	0.1	0.0	990.1	6	
13	30	-18425	-1	0	0	0	1	877.4	2.7	0.1	0.0	880.1	6	
14	30	-40700	-11	-2	0	1	3	1938.1	9.9	1.5	0.0	1948.0	6	
15	30	-21565	-9	-0	0	0	0	1026.9	1.1	1.2	0.0	1028.0	1	
16	30	-22085	-7	-0	0	0	1	1051.7	3.8	1.0	0.0	1055.5	6	
17	30	-19195	-7	0	0	0	1	914.0	4.2	0.9	0.0	918.3	6	
1A	61	-25859	-11	-1	0	1	-1	1231.4	4.2	1.5	0.0	1235.6	1	
1E	61	-25701	-11	-1	0	1	-1	1223.9	4.2	1.5	0.0	1228.1	1	
1I	61	-25977	-12	-1	0	1	-1	1237.0	4.3	1.6	0.0	1241.3	1	
1M	61	-25583	-12	-1	0	1	-1	1218.2	4.3	1.6	0.0	1222.5	1	
2	61	-35220	1	0	0	1	2	1677.1	6.8	0.2	0.0	1684.0	6	
3	61	-19540	-1	1	0	0	-1	930.5	2.0	0.1	0.0	932.4	6	
4	61	-19110	0	1	0	0	0	910.0	1.5	0.1	0.0	911.5	6	
5	61	-16840	1	1	0	0	1	801.9	3.0	0.2	0.0	804.9	6	
6	61	-42000	-12	-2	0	2	0	2000.0	5.0	1.6	0.0	2005.0	1	
7	61	-22520	-10	0	0	0	-2	1072.4	7.8	1.3	0.0	1080.2	6	
8	61	-23150	-8	-0	0	1	-1	1102.4	3.8	1.1	0.0	1106.2	6	
9	61	-20340	-7	0	0	0	-0	968.6	0.9	1.0	0.0	969.5	6	
10	61	-38070	0	-0	0	1	2	1812.9	6.3	0.0	0.0	1819.1	6	
11	61	-21170	-1	1	0	0	-1	1008.1	2.2	0.2	0.0	1010.3	6	
12	61	-20740	-0	1	0	0	0	987.6	1.6	0.1	0.0	989.2	1	
13	61	-18420	0	1	0	0	1	877.1	2.3	0.1	0.0	879.5	6	
14	61	-40690	-14	-2	0	2	-1	1937.6	5.7	1.8	0.0	1943.3	1	
15	61	-21560	-10	0	0	0	-3	1026.7	9.0	1.4	0.0	1035.7	6	
16	61	-22080	-9	-0	0	0	-1	1051.4	4.5	1.2	0.0	1055.9	6	
17	61	-19190	-8	0	0	0	-1	913.8	2.9	1.1	0.0	916.7	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-25869	1	2	26	17	17	1.08	1.00	1340.1	
1E	-25711	1	2	26	17	17	1.08	1.00	1332.0	
1I	-25987	1	2	26	17	17	1.08	1.00	1346.3	
1M	-25593	1	2	26	17	17	1.08	1.00	1326.0	
2	-35240	1	2	26	17	17	1.08	1.00	1821.1	
3	-19550	0	0	26	17	17	1.08	1.00	1007.4	
4	-19120	0	1	26	17	17	1.08	1.00	986.3	
5	-16860	0	1	26	17	17	1.08	1.00	870.7	
6	-42010	1	4	26	17	17	1.08	1.00	2175.2	
7	-22530	0	1	26	17	17	1.08	1.00	1163.2	
8	-23160	0	1	26	17	17	1.08	1.00	1196.9	
9	-20350	0	2	26	17	17	1.08	1.00	1053.0	
10	-38080	1	2	26	17	17	1.08	1.00	1968.0	
11	-21180	0	0	26	17	17	1.08	1.00	1091.7	
12	-20750	0	1	26	17	17	1.08	1.00	1070.8	
13	-18430	0	1	26	17	17	1.08	1.00	951.6	
14	-40710	1	3	26	17	17	1.08	1.00	2106.9	
15	-21570	0	1	26	17	17	1.08	1.00	1113.8	
16	-22090	0	1	26	17	17	1.08	1.00	1141.3	
17	-19200	0	2	26	17	17	1.08	1.00	992.5	

ASTA NUM. 58 NI 121 NF 80 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26309	-2	2	0	1	3	1252.8	10.3	0.3	0.0	1263.1	6	
1E	0	-25971	-2	2	0	1	3	1236.7	10.3	0.3	0.0	1247.0	6	
1I	0	-26407	-3	2	0	1	3	1257.5	10.8	0.4	0.0	1268.3	6	
1M	0	-25873	-3	2	0	1	3	1232.0	10.8	0.4	0.0	1242.9	6	
2	0	-36010	5	2	0	2	-0	1714.8	6.0	0.6	0.0	1720.7	1	
3	0	-19920	3	1	0	1	-0	948.6	3.5	0.4	0.0	952.1	1	
4	0	-19700	3	1	0	1	-0	938.1	3.4	0.4	0.0	941.5	1	
5	0	-16740	3	1	0	1	-0	797.1	3.2	0.4	0.0	800.4	1	
6	0	-42670	-1	2	0	2	3	2031.9	11.2	0.3	0.0	2043.1	6	
7	0	-22760	-1	1	0	1	2	1083.8	6.5	0.2	0.0	1090.3	6	
8	0	-23670	-1	1	0	1	2	1127.1	6.6	0.1	0.0	1133.7	6	
9	0	-20000	-1	1	0	1	2	952.4	6.3	0.1	0.0	958.6	6	
10	0	-38970	4	2	0	2	-0	1855.7	6.2	0.6	0.0	1861.9	1	
11	0	-21610	3	1	0	1	-0	1029.0	3.6	0.4	0.0	1032.7	1	
12	0	-21390	3	1	0	1	-0	1018.6	3.5	0.4	0.0	1022.1	1	
13	0	-18420	3	1	0	1	-0	877.1	3.3	0.4	0.0	880.5	1	
14	0	-41350	-1	2	0	2	3	1969.0	11.5	0.2	0.0	1980.5	6	
15	0	-21790	-1	1	0	1	2	1037.6	6.4	0.1	0.0	1044.0	6	
16	0	-22590	-1	1	0	1	2	1075.7	6.5	0.1	0.0	1082.2	6	
17	0	-18900	-1	1	0	1	2	900.0	6.1	0.1	0.0	906.1	6	
1A	32	-26304	-5	2	0	1	2	1252.6	5.9	0.7	0.0	1258.5	6	
1E	32	-25966	-5	2	0	1	2	1236.5	5.9	0.7	0.0	1242.3	6	
1I	32	-26402	-6	2	0	1	2	1257.3	5.8	0.8	0.0	1263.1	6	
1M	32	-25868	-6	2	0	1	2	1231.8	5.8	0.8	0.0	1237.6	6	
2	32	-36005	6	3	0	1	1	1714.5	5.2	0.8	0.0	1719.7	6	
3	32	-19915	4	2	0	1	1	948.3	2.9	0.5	0.0	951.2	6	
4	32	-19690	4	2	0	1	1	937.6	2.9	0.5	0.0	940.5	6	
5	32	-16735	4	2	0	0	1	796.9	2.6	0.5	0.0	799.5	6	
6	32	-42660	-3	2	0	1	2	2031.4	8.4	0.4	0.0	2039.8	6	
7	32	-22755	-2	1	0	1	1	1083.6	4.8	0.3	0.0	1088.3	6	
8	32	-23665	-2	1	0	1	1	1126.9	4.9	0.3	0.0	1131.8	6	
9	32	-19995	-2	1	0	0	1	952.1	4.6	0.3	0.0	956.7	6	
10	32	-38960	6	3	0	1	1	1855.2	5.7	0.8	0.0	1861.0	6	
11	32	-21605	4	2	0	1	1	1028.8	3.2	0.5	0.0	1032.0	6	
12	32	-21385	4	2	0	1	1	1018.3	3.2	0.5	0.0	1021.5	6	
13	32	-18410	4	2	0	0	1	876.7	2.9	0.5	0.0	879.6	6	
14	32	-41345	-4	2	0	1	2	1968.8	8.4	0.5	0.0	1977.2	6	

15	32	-21785	-2	1	0	1	1	1037.4	4.7	0.3	0.0	1042.1	6
16	32	-22585	-2	1	0	1	1	1075.5	4.8	0.3	0.0	1080.3	6
17	32	-18895	-2	1	0	0	1	899.8	4.4	0.3	0.0	904.2	6
1A	64	-26299	-8	2	0	-0	-0	1252.3	1.1	1.0	0.0	1253.5	6
1E	64	-25961	-8	2	0	-0	-0	1236.2	1.1	1.0	0.0	1237.3	6
1I	64	-26397	-8	2	0	0	-1	1257.0	2.0	1.1	0.0	1259.0	6
1M	64	-25863	-8	2	0	0	-1	1231.6	2.0	1.1	0.0	1233.6	6
2	64	-36000	7	4	0	-0	3	1714.3	10.8	1.0	0.0	1725.1	6
3	64	-19910	5	2	0	-0	2	948.1	6.5	0.6	0.0	954.6	6
4	64	-19680	5	2	0	-0	2	937.1	6.5	0.6	0.0	943.6	6
5	64	-16730	5	2	0	-0	2	796.7	6.4	0.6	0.0	803.1	6
6	64	-42650	-6	3	0	0	1	2031.0	3.1	0.8	0.0	2034.1	6
7	64	-22750	-4	1	0	0	0	1083.3	1.5	0.5	0.0	1084.8	6
8	64	-23660	-4	1	0	0	0	1126.7	1.7	0.5	0.0	1128.3	6
9	64	-19990	-4	1	0	0	0	951.9	1.4	0.5	0.0	953.3	6
10	64	-38950	7	4	0	-0	4	1854.8	11.2	1.0	0.0	1865.9	6
11	64	-21600	5	3	0	-0	2	1028.6	6.7	0.6	0.0	1035.3	6
12	64	-21380	5	2	0	-0	2	1018.1	6.7	0.6	0.0	1024.8	6
13	64	-18400	5	2	0	-0	2	876.2	6.6	0.6	0.0	882.8	6
14	64	-41340	-6	2	0	0	1	1968.6	2.7	0.9	0.0	1971.3	6
15	64	-21780	-4	1	0	0	0	1037.1	1.4	0.5	0.0	1038.6	6
16	64	-22580	-4	1	0	0	0	1075.2	1.6	0.5	0.0	1076.8	6
17	64	-18890	-4	1	0	0	0	899.5	1.3	0.5	0.0	900.8	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26309	1	2	27	18	18	1.08	1.00	1360.6	
1E	-25971	1	2	27	18	18	1.08	1.00	1343.2	
1I	-26407	1	2	27	18	18	1.08	1.00	1365.5	
1M	-25873	1	2	27	18	18	1.08	1.00	1338.0	
2	-36010	1	2	27	18	18	1.08	1.00	1861.2	
3	-19920	1	1	27	18	18	1.08	1.00	1029.7	
4	-19700	1	1	27	18	18	1.08	1.00	1018.3	
5	-16740	0	1	27	18	18	1.08	1.00	865.7	
6	-42670	1	2	27	18	18	1.08	1.00	2205.0	
7	-22760	1	1	27	18	18	1.08	1.00	1176.3	
8	-23670	1	1	27	18	18	1.08	1.00	1223.2	
9	-20000	1	1	27	18	18	1.08	1.00	1034.0	
10	-38970	1	2	27	18	18	1.08	1.00	2014.2	
11	-21610	1	1	27	18	18	1.08	1.00	1117.1	
12	-21390	1	1	27	18	18	1.08	1.00	1105.7	
13	-18420	1	1	27	18	18	1.08	1.00	952.5	
14	-41350	1	2	27	18	18	1.08	1.00	2137.0	
15	-21790	1	1	27	18	18	1.08	1.00	1126.3	
16	-22590	1	1	27	18	18	1.08	1.00	1167.5	
17	-18900	0	1	27	18	18	1.08	1.00	977.2	

ASTA NUM. 59 NI 119 NF 76 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26316	-0	-2	0	-2	2	1253.2	8.2	0.3	0.0	1261.4	1	
1E	0	-25924	-0	-2	0	-2	2	1234.5	8.2	0.3	0.0	1242.7	1	
1I	0	-26414	-2	-3	0	-2	2	1257.8	9.8	0.4	0.0	1267.6	6	
1M	0	-25826	-2	-3	0	-2	2	1229.8	9.8	0.4	0.0	1239.6	6	
2	0	-36110	8	-4	0	-2	-3	1719.5	10.4	1.1	0.0	1729.9	6	
3	0	-19940	5	-2	0	-1	-1	949.5	6.2	0.7	0.0	955.7	6	
4	0	-19800	5	-2	0	-1	-2	942.9	6.2	0.7	0.0	949.1	6	
5	0	-16590	5	-2	0	-1	-2	790.0	6.4	0.7	0.0	796.4	6	
6	0	-42670	3	-5	0	-3	1	2031.9	12.0	0.7	0.0	2043.9	1	
7	0	-22690	1	-3	0	-2	1	1080.5	7.4	0.4	0.0	1087.9	1	
8	0	-23720	2	-3	0	-2	1	1129.5	7.0	0.4	0.0	1136.5	1	
9	0	-19720	2	-3	0	-2	1	939.0	6.9	0.4	0.0	946.0	1	
10	0	-39090	9	-4	0	-2	-3	1861.4	10.7	1.2	0.0	1872.1	6	
11	0	-21640	5	-2	0	-1	-2	1030.5	6.4	0.7	0.0	1036.9	6	
12	0	-21520	5	-2	0	-1	-2	1024.8	6.4	0.7	0.0	1031.2	6	
13	0	-18290	5	-2	0	-1	-2	871.0	6.6	0.7	0.0	877.5	6	
14	0	-41350	3	-5	0	-3	1	1969.0	11.9	0.7	0.0	1981.0	1	
15	0	-21720	2	-3	0	-2	1	1034.3	7.2	0.4	0.0	1041.4	1	
16	0	-22640	2	-3	0	-2	1	1078.1	6.7	0.4	0.0	1084.8	1	
17	0	-18650	2	-3	0	-2	1	888.1	6.7	0.4	0.0	894.8	1	
1A	35	-26311	-3	-2	0	-1	1	1252.9	5.4	0.4	0.0	1258.3	6	
1E	35	-25919	-3	-2	0	-1	1	1234.2	5.4	0.4	0.0	1239.7	6	
1I	35	-26409	-4	-3	0	-1	1	1257.6	5.5	0.6	0.0	1263.0	6	
1M	35	-25821	-4	-3	0	-1	1	1229.6	5.5	0.6	0.0	1235.0	6	
2	35	-36100	10	-3	0	-1	1	1719.0	4.6	1.3	0.0	1723.7	1	
3	35	-19935	6	-1	0	-1	0	949.3	2.9	0.8	0.0	952.1	1	
4	35	-19795	6	-1	0	-1	0	942.6	2.5	0.8	0.0	945.2	1	
5	35	-16580	6	-1	0	-1	0	789.5	2.6	0.8	0.0	792.1	1	
6	35	-42660	0	-5	0	-2	2	2031.4	7.2	0.7	0.0	2038.7	1	
7	35	-22685	-0	-3	0	-1	1	1080.2	4.6	0.4	0.0	1084.8	6	
8	35	-23715	-0	-3	0	-1	1	1129.3	4.4	0.4	0.0	1133.6	6	
9	35	-19715	0	-3	0	-1	1	938.8	4.3	0.4	0.0	943.1	1	
10	35	-39080	10	-3	0	-1	1	1861.0	5.1	1.4	0.0	1866.0	1	
11	35	-21635	6	-2	0	-1	0	1030.2	3.1	0.8	0.0	1033.3	1	
12	35	-21510	6	-1	0	-1	0	1024.3	2.8	0.8	0.0	1027.1	1	
13	35	-18285	6	-1	0	-1	0	870.7	2.9	0.8	0.0	873.6	1	
14	35	-41345	-0	-5	0	-2	2	1968.8	7.4	0.6	0.0	1976.2	6	
15	35	-21720	-0	-3	0	-1	1	1034.3	4.5	0.4	0.0	1038.8	6	
16	35	-22635	0	-3	0	-1	1	1077.9	4.3	0.4	0.0	1082.2	6	
17	35	-18645	-0	-3	0	-1	1	887.9	4.2	0.4	0.0	892.0	6	
1A	69	-26306	-6	-2	0	-1	-0	1252.7	2.2	0.8	0.0	1254.8	1	
1E	69	-25914	-6	-2	0	-1	-0	1234.0	2.2	0.8	0.0	1236.2	1	
1I	69	-26404	-7	-3	0	-0	-1	1257.3	2.3	1.0	0.0	1259.6	6	
1M	69	-25816	-7	-3	0	-0	-1	1229.3	2.3	1.0	0.0	1231.7	6	
2	69	-36090	11	-2	0	-1	4	1718.6	13.9	1.5	0.0	1732.5	6	
3	69	-19930	7	-1	0	-0	3	949.0	8.6	0.9	0.0	957.6	6	
4	69	-19790	7	-1	0	-0	3	942.4	8.4	0.9	0.0	950.8	6	
5	69	-16570	7	-1	0	-0	3	789.0	8.4	0.9	0.0	797.4	6	
6	69	-42650	-2	-5	0	-0	1	2031.0	4.1	0.6	0.0	2035.1	6	
7	69	-22680	-2	-3	0	-0	1	1080.0	2.4	0.4	0.0	1082.4	6	
8	69	-23710	-2	-3	0	-0	1	1129.0	2.3	0.4	0.0	1131.4	6	
9	69	-19710	-2	-3	0	-0	1	938.6	2.3	0.3	0.0	940.9	6	
10	69	-39070	12	-2	0	-1	5	1860.5	14.7	1.6	0.0	1875.1	6	
11	69	-21630	7	-1	0	-0	3	1030.0	9.0	1.0	0.0	1039.0	6	
12	69	-21500	7	-1	0	-0	3	1023.8	8.9	1.0	0.0	1032.7	6	
13	69	-18280	7	-1	0	-0	3	870.5	8.8	1.0	0.0	879.3	6	
14	69	-41340	-3	-5	0	-0	1	1968.6	3.8	0.6	0.0	1972.4	6	
15	69	-21720	-2	-3	0	-0	1	1034.3	2.5	0.4	0.0	1036.7	6	
16	69	-22630	-2	-3	0	-0	1	1077.6	2.4	0.3	0.0	1080.0	6	
17	69	-18640	-2	-2	0	-0	1	887.6	2.3	0.3	0.0	889.9	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26316	1	1	30	19	19	1.11	1.00	1398.6	
1E	-25924	1	1	30	19	19	1.11	1.00	1377.9	
1I	-26414	1	1	30	19	19	1.11	1.00	1404.0	
1M	-25826	1	1	30	19	19	1.11	1.00	1372.9	
2	-36110	2	2	30	19	19	1.11	1.00	1919.2	
3	-19940	1	1	30	19	19	1.11	1.00	1060.4	
4	-19800	1	1	30	19	19	1.11	1.00	1052.6	
5	-16590	1	1	30	19	19	1.11	1.00	883.0	
6	-42670	2	1	30	19	19	1.11	1.00	2266.1	
7	-22690	1	1	30	19	19	1.11	1.00	1205.9	
8	-23720	1	1	30	19	19	1.11	1.00	1260.0	
9	-19720	1	1	30	19	19	1.11	1.00	1048.4	
10	-39090	2	2	30	19	19	1.11	1.00	2077.5	
11	-21640	1	1	30	19	19	1.11	1.00	1150.6	
12	-21520	1	1	30	19	19	1.11	1.00	1143.9	
13	-18290	1	1	30	19	19	1.11	1.00	973.2	
14	-41350	2	1	30	19	19	1.11	1.00	2196.2	
15	-21720	1	1	30	19	19	1.11	1.00	1154.5	
16	-22640	1	1	30	19	19	1.11	1.00	1202.7	
17	-18650	1	1	30	19	19	1.11	1.00	991.7	

ASTA NUM. 60 NI 98 NF 52 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	27546	-13	3	0	1	6	1005.7	12.3	1.3	0.0	1018.0	6	
1E	0	27954	-13	3	0	1	6	1020.6	12.3	1.3	0.0	1032.9	6	
1I	0	27522	-14	3	0	1	6	1004.8	12.8	1.4	0.0	1017.6	6	
1M	0	27978	-14	3	0	1	6	1021.5	12.8	1.4	0.0	1034.3	6	
2	0	39220	-13	6	0	2	3	1431.9	8.8	1.2	0.0	1440.7	6	
3	0	26420	-11	3	0	1	1	964.6	3.9	1.0	0.0	968.5	1	

4	0	22970	-8	3	0	1	1	838.6	3.9	0.8	0.0	842.5	6
5	0	23130	-7	3	0	1	2	844.5	4.5	0.7	0.0	848.9	6
6	0	45420	-19	5	0	1	8	1658.3	17.2	1.9	0.0	1675.5	6
7	0	31330	-16	3	0	1	3	1143.8	8.0	1.6	0.0	1151.8	6
8	0	27140	-13	2	0	1	4	990.9	8.9	1.2	0.0	999.8	6
9	0	27430	-11	3	0	0	4	1001.5	9.7	1.1	0.0	1011.2	6
10	0	44940	-15	7	0	2	4	1640.7	10.2	1.5	0.0	1651.0	6
11	0	29440	-12	4	0	1	2	1074.8	4.4	1.2	0.0	1079.3	6
12	0	26440	-9	3	0	1	2	965.3	4.9	0.9	0.0	970.2	6
13	0	26380	-8	4	0	1	2	963.1	5.1	0.8	0.0	968.3	6
14	0	48800	-21	6	0	1	8	1781.7	17.0	2.1	0.0	1798.6	6
15	0	32940	-17	3	0	1	3	1202.6	7.7	1.7	0.0	1210.3	6
16	0	29070	-13	2	0	1	4	1061.3	8.8	1.3	0.0	1070.2	6
17	0	28970	-12	3	0	1	4	1057.7	9.0	1.2	0.0	1066.7	6
1A	27	27551	-15	3	0	-0	2	1005.9	4.1	1.4	0.0	1010.0	6
1E	27	27959	-15	3	0	-0	2	1020.8	4.1	1.4	0.0	1024.9	6
1I	27	27527	-15	3	0	-0	2	1005.0	4.3	1.5	0.0	1009.2	6
1M	27	27983	-15	3	0	-0	2	1021.7	4.3	1.5	0.0	1025.9	6
2	27	39230	-9	8	0	0	1	1432.3	1.2	0.9	0.0	1433.5	6
3	27	26425	-8	4	0	0	-1	964.8	3.2	0.8	0.0	968.0	6
4	27	22975	-6	4	0	0	-0	838.8	1.2	0.6	0.0	840.0	6
5	27	23135	-4	5	0	-0	0	844.7	0.6	0.5	0.0	845.2	6
6	27	45425	-20	6	0	-1	3	1658.5	5.9	1.9	0.0	1664.4	6
7	27	31335	-16	3	0	0	-1	1144.0	2.1	1.6	0.0	1146.1	6
8	27	27145	-13	2	0	0	1	991.1	1.1	1.3	0.0	992.2	6
9	27	27435	-11	3	0	-0	1	1001.6	3.5	1.1	0.0	1005.1	6
10	27	44950	-11	9	0	-0	0	1641.1	1.0	1.1	0.0	1642.1	6
11	27	29445	-10	5	0	0	-1	1075.0	3.1	0.9	0.0	1078.2	6
12	27	26445	-7	5	0	0	-0	965.5	0.9	0.7	0.0	966.4	6
13	27	26385	-6	5	0	-0	0	963.3	0.2	0.6	0.0	963.5	6
14	27	48805	-22	6	0	-0	2	1781.9	4.3	2.1	0.0	1786.1	6
15	27	32945	-17	3	0	0	-1	1202.8	3.0	1.7	0.0	1205.8	6
16	27	29075	-14	3	0	-0	0	1061.5	0.6	1.3	0.0	1062.1	6
17	27	28975	-12	3	0	-0	1	1057.9	1.8	1.2	0.0	1059.7	6
1A	54	27556	-16	3	0	-1	-2	1006.1	6.0	1.6	0.0	1012.1	6
1E	54	27964	-16	3	0	-1	-2	1021.0	6.0	1.6	0.0	1027.0	6
1I	54	27532	-17	3	0	-1	-3	1005.2	6.4	1.7	0.0	1011.5	6
1M	54	27988	-17	3	0	-1	-3	1021.8	6.4	1.7	0.0	1028.2	6
2	54	39240	-5	10	0	-2	-1	1432.6	6.2	1.0	0.0	1438.8	1
3	54	26430	-6	6	0	-1	-3	965.0	7.9	0.6	0.0	972.8	6
4	54	22980	-3	5	0	-1	-2	839.0	4.3	0.5	0.0	843.3	6
5	54	23140	-2	6	0	-1	-1	844.8	3.6	0.6	0.0	848.4	1
6	54	45430	-20	6	0	-2	-3	1658.6	7.8	2.0	0.0	1666.4	6
7	54	31340	-17	3	0	-1	-5	1144.2	12.0	1.6	0.0	1156.2	6
8	54	27150	-13	3	0	-1	-3	991.2	6.9	1.3	0.0	998.1	6
9	54	27440	-12	4	0	-1	-2	1001.8	4.5	1.1	0.0	1006.3	6
10	54	44960	-8	11	0	-3	-2	1641.5	7.3	1.1	0.0	1648.8	1
11	54	29450	-7	6	0	-1	-4	1075.2	8.6	0.7	0.0	1083.8	6
12	54	26450	-5	6	0	-1	-2	965.7	5.1	0.6	0.0	970.8	6
13	54	26390	-4	6	0	-2	-1	963.5	4.2	0.6	0.0	967.7	1
14	54	48810	-22	7	0	-2	-4	1782.0	10.5	2.2	0.0	1792.5	6
15	54	32950	-18	3	0	-1	-6	1203.0	13.4	1.7	0.0	1216.4	6
16	54	29080	-14	3	0	-1	-3	1061.7	8.0	1.4	0.0	1069.7	6
17	54	28980	-13	4	0	-1	-3	1058.1	6.6	1.3	0.0	1064.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	27556	1	2	14	14	14	1.00	1.00	1012.3	
1E	27964	1	2	14	14	14	1.00	1.00	1027.2	
1I	27532	1	3	14	14	14	1.00	1.00	1011.7	
1M	27988	1	3	14	14	14	1.00	1.00	1028.3	
2	39240	1	2	14	14	14	1.00	1.00	1437.9	
3	26430	1	2	14	14	14	1.00	1.00	969.4	
4	22980	0	1	14	14	14	1.00	1.00	841.4	
5	23140	1	1	14	14	14	1.00	1.00	847.7	
6	45430	1	4	14	14	14	1.00	1.00	1668.2	
7	31340	0	2	14	14	14	1.00	1.00	1149.5	
8	27150	0	2	14	14	14	1.00	1.00	995.2	
9	27440	1	2	14	14	14	1.00	1.00	1007.5	
10	44960	1	2	14	14	14	1.00	1.00	1647.1	
11	29450	1	2	14	14	14	1.00	1.00	1079.7	
12	26450	0	1	14	14	14	1.00	1.00	968.4	
13	26390	1	1	14	14	14	1.00	1.00	966.5	
14	48810	1	3	14	14	14	1.00	1.00	1790.3	
15	32950	0	2	14	14	14	1.00	1.00	1208.9	
16	29080	0	2	14	14	14	1.00	1.00	1065.7	
17	28980	0	2	14	14	14	1.00	1.00	1062.5	

ASTA NUM. 61 NI 95 NF 73 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.: A -- B -- C -- D -- E -13.8604 F -3.4651 G -- H -- p.p. y 5.1608 qy tot. -12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28207	7	-0	0	-3	6	1029.8	14.5	0.7	0.0	1044.3	6	
1E	0	28833	7	-0	0	-3	6	1052.7	14.5	0.7	0.0	1067.2	6	
1I	0	28260	6	-1	0	-3	6	1031.8	15.2	0.6	0.0	1046.9	6	
1M	0	28780	6	-1	0	-3	6	1050.8	15.2	0.6	0.0	1066.0	6	
2	0	40410	21	1	0	-3	3	1475.4	9.4	2.1	0.0	1484.8	6	
3	0	27450	14	1	0	-2	2	1002.2	6.3	1.3	0.0	1008.5	6	
4	0	24320	13	1	0	-2	2	887.9	5.2	1.2	0.0	893.1	6	
5	0	25330	12	1	0	-2	2	924.8	4.8	1.2	0.0	929.6	1	
6	0	46540	15	-2	0	-5	8	1699.2	20.4	1.5	0.0	1719.6	6	
7	0	32480	10	-1	0	-3	5	1185.8	13.3	1.0	0.0	1199.1	6	
8	0	28650	9	-1	0	-3	5	1046.0	12.2	0.9	0.0	1058.2	6	
9	0	30000	9	-1	0	-3	4	1095.3	11.6	0.9	0.0	1106.9	6	
10	0	46040	22	1	0	-3	4	1680.9	11.5	2.2	0.0	1692.4	6	
11	0	30410	14	1	0	-2	3	1110.3	7.4	1.4	0.0	1117.6	6	
12	0	27720	14	1	0	-2	2	1012.0	6.4	1.3	0.0	1018.5	6	
13	0	28480	13	1	0	-2	2	1039.8	5.9	1.3	0.0	1045.7	6	
14	0	49930	16	-1	0	-5	8	1822.9	21.2	1.5	0.0	1844.2	6	
15	0	34090	10	-0	0	-3	5	1244.6	13.6	1.0	0.0	1258.2	6	
16	0	30540	9	-1	0	-3	5	1115.0	12.5	0.9	0.0	1127.5	6	
17	0	31470	9	-1	0	-3	5	1149.0	11.8	0.9	0.0	1160.8	6	
1A	27	28212	5	-0	0	-3	7	1030.0	17.8	0.5	0.0	1047.8	6	
1E	27	28838	5	-0	0	-3	7	1052.9	17.8	0.5	0.0	1070.7	6	
1I	27	28265	4	-1	0	-3	7	1031.9	17.9	0.4	0.0	1049.8	6	
1M	27	28785	4	-1	0	-3	7	1050.9	17.9	0.4	0.0	1068.8	6	
2	27	40415	25	3	0	-4	9	1475.5	22.9	2.4	0.0	1498.4	6	
3	27	27455	16	2	0	-3	6	1002.4	15.0	1.6	0.0	1017.4	6	
4	27	24330	15	2	0	-2	6	888.3	13.4	1.5	0.0	901.7	6	
5	27	25335	15	2	0	-2	5	925.0	12.7	1.4	0.0	937.7	6	
6	27	46550	15	-1	0	-5	12	1699.5	28.6	1.4	0.0	1728.1	6	
7	27	32485	10	-0	0	-3	8	1186.0	18.9	1.0	0.0	1204.9	6	
8	27	28655	9	-0	0	-3	7	1046.2	17.2	0.9	0.0	1063.4	6	
9	27	30005	8	-1	0	-3	7	1095.5	16.3	0.8	0.0	1111.8	6	
10	27	46050	26	4	0	-4	11	1681.3	25.8	2.6	0.0	1707.1	6	
11	27	30415	17	2	0	-3	7	1110.4	16.6	1.6	0.0	1127.0	6	
12	27	27725	16	2	0	-2	6	1012.2	15.1	1.6	0.0	1027.3	6	
13	27	28485	16	2	0	-2	6	1040.0	14.4	1.5	0.0	1054.4	6	
14	27	49935	15	-1	0	-5	12	1823.1	29.7	1.5	0.0	1852.8	6	
15	27	34095	10	-0	0	-3	8	1244.8	19.4	1.0	0.0	1264.2	6	
16	27	30545	9	-0	0	-3	7	1115.2	17.7	0.9	0.0	1132.8	6	
17	27	31475	9	-0	0	-3	7	1149.1	16.8	0.9	0.0	1166.0	6	
1A	54	28217	4	-0	0	-3	9	1030.2	20.4	0.4	0.0	1050.6	6	
1E	54	28843	4	-0	0	-3	9	1053.1	20.4	0.4	0.0	1073.4	6	
1I	54	28270	3	-1	0	-3	8	1032.1	19.8	0.3	0.0	1051.9	6	
1M	54	28790	3	-1	0	-3	8	1051.1	19.8	0.3	0.0	1070.9	6	
2	54	40420	28	6	0	-5	17	1475.7	38.9	2.8	0.0	1514.6	6	
3	54	27460	18	4	0	-3	11	1002.6	25.4	1.8	0.0	1027.9	6	
4	54	24340	17	4	0	-3	10	888.6	23.2	1.7	0.0	911.9	6	
5	54	25340	17	4	0	-3	10	925.2	22.4	1.7	0.0	947.5	6	
6	54	46560	14	-0	0	-4	16	1699.9	36.6	1.4	0.0	1736.4	6	
7	54	32490	10	0	0	-3	10	1186.2	24.4	0.9	0.0	1210.6	6	
8	54	28660	9	-0	0	-3	9	1046.4	22.1	0.8	0.0	1068.5	6	
9	54	30010	8	-0	0	-3	9	1095.7	21.0	0.8	0.0	1116.7	6	
10	54	46060	30	6	0	-5	18	1681.6	42.7	2.9	0.0	1724.3	6	
11	54	30420	19	4	0	-4	12	1110.6	27.4	1.9	0.0	1138.0	6	
12	54	27730	18	4	0	-3	11	1012.4	25.4	1.8	0.0	1037.8	6	
13	54	28490	18	4	0	-3	10	1040.2	24.5	1.7	0.0	1064.7	6	
14	54	49940	14	-0	0	-5	16	1823.3	37.9	1.4	0.0	1861.2	6	
15	54	34100	10	0	0	-3	11	1245.0	25.1	1.0	0.0	1270.0	6	
16	54	30550	9	0	0	-3	10	1115.4	22.7	0.9	0.0	1138.1	6	
17	54	31480	8	-0	0	-3	9	1149.3	21.7	0.8	0.0	1171.0	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28217	3	7	14	14	14	1.00	1.00	1051.9	
1E	28843	3	7	14	14	14	1.00	1.00	1074.8	
1I	28270	3	7	14	14	14	1.00	1.00	1053.9	
1M	28790	3	7	14	14	14	1.00	1.00	1072.9	
2	40420	4	11	14	14	14	1.00	1.00	1508.2	
3	27460	3	7	14	14	14	1.00	1.00	1023.9	

4	24340	3	7	14	14	14	1.00	1.00	907.9
5	25340	2	6	14	14	14	1.00	1.00	943.5
6	46560	5	12	14	14	14	1.00	1.00	1736.2
7	32490	3	8	14	14	14	1.00	1.00	1210.3
8	28660	3	8	14	14	14	1.00	1.00	1068.3
9	30010	3	7	14	14	14	1.00	1.00	1116.5
10	46060	5	13	14	14	14	1.00	1.00	1717.8
11	30420	3	8	14	14	14	1.00	1.00	1133.9
12	27730	3	7	14	14	14	1.00	1.00	1033.8
13	28490	3	7	14	14	14	1.00	1.00	1060.6
14	49940	5	13	14	14	14	1.00	1.00	1860.9
15	34100	3	8	14	14	14	1.00	1.00	1269.6
16	30550	3	8	14	14	14	1.00	1.00	1137.8
17	31480	3	7	14	14	14	1.00	1.00	1170.7

ASTA NUM. 62 NI 94 NF 69 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28063	-3	1	0	-0	3	1024.6	6.1	0.2	0.0	1030.7	6	
1E	0	28897	-3	1	0	-0	3	1055.0	6.1	0.2	0.0	1061.1	6	
1I	0	28175	-4	1	0	-0	3	1028.7	6.8	0.3	0.0	1035.5	6	
1M	0	28785	-4	1	0	-0	3	1050.9	6.8	0.3	0.0	1057.8	6	
2	0	40600	9	4	0	1	-1	1482.3	3.7	0.9	0.0	1486.0	6	
3	0	27850	6	2	0	0	-1	1016.8	2.5	0.6	0.0	1019.3	6	
4	0	25020	6	2	0	0	-1	913.5	2.6	0.6	0.0	916.1	6	
5	0	26730	6	2	0	0	-1	975.9	2.8	0.6	0.0	978.7	6	
6	0	46420	0	1	0	-1	3	1694.8	6.2	0.1	0.0	1701.0	6	
7	0	32830	0	0	0	-0	2	1198.6	3.6	0.0	0.0	1202.2	6	
8	0	29310	0	0	0	-0	2	1070.1	3.6	0.0	0.0	1073.7	6	
9	0	31550	0	0	0	-0	1	1151.9	3.5	0.0	0.0	1155.3	6	
10	0	46080	9	4	0	1	-1	1682.4	3.1	0.9	0.0	1685.5	6	
11	0	30720	6	2	0	0	-1	1121.6	2.2	0.5	0.0	1123.7	6	
12	0	28300	6	2	0	0	-1	1033.2	2.2	0.6	0.0	1035.5	6	
13	0	29760	6	2	0	0	-1	1086.5	2.4	0.6	0.0	1088.9	6	
14	0	49800	0	1	0	-1	3	1818.2	6.4	0.1	0.0	1824.6	6	
15	0	34450	0	0	0	-1	2	1257.8	3.6	0.0	0.0	1261.4	6	
16	0	31170	0	0	0	-0	2	1138.0	3.6	0.0	0.0	1141.6	6	
17	0	32970	0	0	0	-1	1	1203.7	3.4	0.0	0.0	1207.1	6	
1A	28	28073	-4	1	0	-1	2	1024.9	4.5	0.4	0.0	1029.4	6	
1E	28	28907	-4	1	0	-1	2	1055.4	4.5	0.4	0.0	1059.9	6	
1I	28	28185	-5	1	0	-1	2	1029.0	4.5	0.5	0.0	1033.5	6	
1M	28	28795	-5	1	0	-1	2	1051.3	4.5	0.5	0.0	1055.8	6	
2	28	40610	13	6	0	-0	2	1482.7	3.9	1.3	0.0	1486.6	6	
3	28	27855	8	4	0	-0	1	1017.0	2.2	0.8	0.0	1019.2	6	
4	28	25030	8	3	0	-0	1	913.8	2.1	0.8	0.0	916.0	6	
5	28	26740	8	3	0	-0	1	976.3	2.0	0.8	0.0	978.3	6	
6	28	46430	-0	2	0	-1	3	1695.1	6.7	0.2	0.0	1701.8	6	
7	28	32840	-0	1	0	-1	2	1199.0	3.8	0.1	0.0	1202.8	6	
8	28	29315	0	1	0	-1	2	1070.3	3.9	0.1	0.0	1074.1	6	
9	28	31555	0	1	0	-1	2	1152.1	3.7	0.1	0.0	1155.8	6	
10	28	46090	13	6	0	-1	2	1682.7	4.4	1.2	0.0	1687.2	6	
11	28	30725	8	4	0	-0	1	1121.8	2.5	0.8	0.0	1124.3	6	
12	28	28310	8	3	0	-0	1	1033.6	2.5	0.8	0.0	1036.1	6	
13	28	29765	8	3	0	-0	1	1086.7	2.3	0.8	0.0	1089.0	6	
14	28	49810	-0	1	0	-1	3	1818.5	6.7	0.1	0.0	1825.2	6	
15	28	34455	-0	1	0	-1	2	1257.9	3.7	0.1	0.0	1261.7	6	
16	28	31175	-0	1	0	-1	2	1138.2	3.8	0.1	0.0	1142.0	6	
17	28	32975	0	1	0	-1	1	1203.9	3.6	0.1	0.0	1207.5	6	
1A	57	28083	-5	1	0	-1	1	1025.3	2.5	0.5	0.0	1027.8	1	
1E	57	28917	-5	1	0	-1	1	1055.7	2.5	0.5	0.0	1058.3	1	
1I	57	28195	-6	1	0	-1	0	1029.4	2.0	0.6	0.0	1031.4	1	
1M	57	28805	-6	1	0	-1	0	1051.7	2.0	0.6	0.0	1053.7	1	
2	57	40620	17	8	0	-2	6	1483.0	14.4	1.6	0.0	1497.4	6	
3	57	27860	10	5	0	-2	4	1017.2	8.7	1.0	0.0	1025.8	6	
4	57	25040	11	5	0	-1	4	914.2	8.7	1.0	0.0	922.9	6	
5	57	26750	11	5	0	-1	3	976.6	8.5	1.0	0.0	985.2	6	
6	57	46440	-1	2	0	-1	3	1695.5	6.9	0.2	0.0	1702.4	6	
7	57	32850	-0	1	0	-1	1	1199.3	3.8	0.1	0.0	1203.2	6	
8	57	29320	-0	1	0	-1	2	1070.5	4.0	0.1	0.0	1074.4	6	
9	57	31560	-0	1	0	-1	1	1152.2	3.8	0.1	0.0	1156.1	6	
10	57	46100	17	8	0	-3	6	1683.1	14.8	1.6	0.0	1697.9	6	
11	57	30730	10	5	0	-2	4	1121.9	8.9	1.0	0.0	1130.9	6	
12	57	28320	10	5	0	-2	4	1034.0	8.9	1.0	0.0	1042.9	6	
13	57	29770	10	5	0	-2	4	1086.9	8.8	1.0	0.0	1095.7	6	
14	57	49820	-1	2	0	-1	3	1818.9	6.6	0.2	0.0	1825.5	6	
15	57	34460	-1	1	0	-1	1	1258.1	3.7	0.1	0.0	1261.9	6	
16	57	31180	-0	1	0	-1	2	1138.4	3.9	0.1	0.0	1142.3	6	
17	57	32980	-0	1	0	-1	1	1204.1	3.7	0.1	0.0	1207.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28083	1	2	15	15	15	1.00	1.00	1030.7	
1E	28917	1	2	15	15	15	1.00	1.00	1061.2	
1I	28195	1	2	15	15	15	1.00	1.00	1034.9	
1M	28805	1	2	15	15	15	1.00	1.00	1057.2	
2	40620	1	3	15	15	15	1.00	1.00	1491.6	
3	27860	1	2	15	15	15	1.00	1.00	1022.3	
4	25040	1	2	15	15	15	1.00	1.00	919.3	
5	26750	1	2	15	15	15	1.00	1.00	981.6	
6	46440	1	3	15	15	15	1.00	1.00	1703.5	
7	32850	1	2	15	15	15	1.00	1.00	1204.1	
8	29320	1	2	15	15	15	1.00	1.00	1075.2	
9	31560	1	1	15	15	15	1.00	1.00	1156.8	
10	46100	1	3	15	15	15	1.00	1.00	1692.3	
11	30730	1	2	15	15	15	1.00	1.00	1127.5	
12	28320	1	2	15	15	15	1.00	1.00	1039.4	
13	29770	1	2	15	15	15	1.00	1.00	1092.2	
14	49820	1	3	15	15	15	1.00	1.00	1826.9	
15	34460	1	1	15	15	15	1.00	1.00	1262.8	
16	31180	1	2	15	15	15	1.00	1.00	1143.0	
17	32980	1	1	15	15	15	1.00	1.00	1208.6	

ASTA NUM. 63 NI 92 NF 64 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28446	1	1	0	-0	2	1038.6	3.8	0.1	0.0	1042.4	6	
1E	0	29474	1	1	0	-0	2	1076.1	3.8	0.1	0.0	1079.9	6	
1I	0	28610	-1	0	0	-0	2	1044.5	5.0	0.1	0.0	1049.6	6	
1M	0	29310	-1	0	0	-0	2	1070.1	5.0	0.1	0.0	1075.1	6	
2	0	41500	14	3	0	1	-4	1515.2	8.7	1.4	0.0	1523.8	6	
3	0	28610	9	2	0	0	-2	1044.5	5.3	0.9	0.0	1049.9	6	
4	0	26020	9	2	0	1	-2	950.0	5.5	0.8	0.0	955.5	6	
5	0	28330	9	2	0	1	-2	1034.3	5.6	0.8	0.0	1039.9	6	
6	0	47160	6	-0	0	-1	1	1721.8	2.2	0.6	0.0	1724.0	6	
7	0	33610	3	-0	0	-1	1	1227.1	1.7	0.3	0.0	1228.8	1	
8	0	30340	3	-0	0	-1	0	1107.7	1.4	0.3	0.0	1109.1	1	
9	0	33330	3	-0	0	-1	0	1216.9	1.5	0.3	0.0	1218.3	1	
10	0	46910	15	3	0	1	-4	1712.7	8.6	1.4	0.0	1721.2	6	
11	0	31440	9	2	0	1	-2	1147.9	5.3	0.9	0.0	1153.1	6	
12	0	29240	9	2	0	1	-2	1067.5	5.5	0.9	0.0	1073.0	6	
13	0	31280	9	2	0	1	-2	1142.0	5.5	0.9	0.0	1147.5	6	
14	0	50540	6	-0	0	-1	1	1845.2	2.4	0.6	0.0	1847.6	6	
15	0	35230	4	-0	0	-1	0	1286.2	1.5	0.3	0.0	1287.8	1	
16	0	32180	4	-0	0	-0	0	1174.9	1.3	0.4	0.0	1176.2	1	
17	0	34700	3	-0	0	-1	0	1266.9	1.4	0.3	0.0	1268.3	1	
1A	31	28456	-1	1	0	-0	2	1038.9	4.0	0.1	0.0	1043.0	6	
1E	31	29484	-1	1	0	-0	2	1076.4	4.0	0.1	0.0	1080.5	6	
1I	31	28620	-2	0	0	-0	2	1044.9	4.2	0.2	0.0	1049.1	6	
1M	31	29320	-2	0	0	-0	2	1070.5	4.2	0.2	0.0	1074.6	6	
2	31	41510	18	5	0	-0	1	1515.5	2.8	1.8	0.0	1518.3	6	
3	31	28615	11	3	0	-0	1	1044.7	1.8	1.1	0.0	1046.5	6	
4	31	26025	11	3	0	-0	1	950.2	1.6	1.1	0.0	951.8	6	
5	31	28335	11	3	0	-0	1	1034.5	1.5	1.1	0.0	1036.0	6	
6	31	47170	5	0	0	-1	3	1722.2	5.8	0.5	0.0	1728.0	6	
7	31	33620	3	0	0	-1	2	1227.5	3.7	0.3	0.0	1231.1	6	
8	31	30345	3	0	0	-0	1	1107.9	3.5	0.3	0.0	1111.4	6	
9	31	33340	3	0	0	-1	1	1217.2	3.4	0.3	0.0	1220.6	6	
10	31	46920	19	5	0	-0	1	1713.0	3.3	1.8	0.0	1716.3	6	
11	31	31445	12	3	0	-0	1	1148.0	2.0	1.1	0.0	1150.1	6	
12	31	29250	12	3	0	-0	1	1067.9	1.9	1.1	0.0	1069.8	6	
13	31	31285	11	3	0	-0	1	1142.2	1.7	1.1	0.0	1143.9	6	
14	31	50550	5	0	0	-1	3	1845.6	6.0	0.5	0.0	1851.5	6	
15	31	35235	3	0	0	-1	2	1286.4	3.7	0.3	0.0	1290.1	6	
16	31	32185	3	0	0	-0	1	1175.1	3.5	0.3	0.0	1178.6	6	
17	31	34710	3	0	0	-1	1	1267.3	3.4	0.3	0.0	1270.6	6	
1A	62	28466	-2	1	0	-1	1	1039.3	3.2	0.2	0.0	1042.5	6	
1E	62	29494	-2	1	0	-1	1	1076.8	3.2	0.2	0.0	1080.0	6	
1I	62	28630	-4	0	0	-1	1	1045.3	2.3	0.4	0.0	1047.5	6	
1M	62	29330	-4	0	0	-1	1	1070.8	2.3	0.4	0.0	1073.1	6	

2	62	41520	22	8	0	-2	8	1515.9	17.7	2.2	0.0	1533.6	6
3	62	28620	14	5	0	-1	5	1044.9	11.0	1.4	0.0	1055.9	6
4	62	26030	14	5	0	-1	5	950.3	10.8	1.4	0.0	961.1	6
5	62	28340	14	5	0	-1	4	1034.7	10.6	1.4	0.0	1045.3	6
6	62	47180	5	1	0	-1	4	1722.5	9.2	0.5	0.0	1731.7	6
7	62	33630	3	1	0	-1	2	1227.8	5.6	0.3	0.0	1233.4	6
8	62	30350	3	1	0	-1	2	1108.1	5.5	0.3	0.0	1113.6	6
9	62	33350	3	1	0	-1	2	1217.6	5.3	0.3	0.0	1222.9	6
10	62	46930	23	8	0	-2	8	1713.4	18.5	2.3	0.0	1731.9	6
11	62	31450	14	5	0	-2	5	1148.2	11.4	1.4	0.0	1159.6	6
12	62	29260	14	5	0	-1	5	1068.3	11.3	1.4	0.0	1079.5	6
13	62	31290	14	5	0	-2	5	1142.4	11.1	1.4	0.0	1153.5	6
14	62	50560	4	1	0	-1	4	1845.9	9.2	0.4	0.0	1855.1	6
15	62	35240	3	1	0	-1	2	1286.6	5.7	0.3	0.0	1292.3	6
16	62	32190	3	1	0	-1	2	1175.2	5.6	0.3	0.0	1180.8	6
17	62	34720	3	1	0	-1	2	1267.6	5.3	0.3	0.0	1272.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28466	0	2	16	16	16	1.00	1.00	1043.5	
1E	29494	0	2	16	16	16	1.00	1.00	1081.0	
1I	28630	0	2	16	16	16	1.00	1.00	1049.8	
1M	29330	0	2	16	16	16	1.00	1.00	1075.4	
2	41520	1	3	16	16	16	1.00	1.00	1524.2	
3	28620	1	2	16	16	16	1.00	1.00	1050.3	
4	26030	1	2	16	16	16	1.00	1.00	955.5	
5	28340	1	2	16	16	16	1.00	1.00	1039.9	
6	47180	1	3	16	16	16	1.00	1.00	1729.9	
7	33630	1	2	16	16	16	1.00	1.00	1232.6	
8	30350	1	2	16	16	16	1.00	1.00	1112.6	
9	33350	1	2	16	16	16	1.00	1.00	1222.1	
10	46930	1	3	16	16	16	1.00	1.00	1722.3	
11	31450	1	2	16	16	16	1.00	1.00	1153.9	
12	29260	1	2	16	16	16	1.00	1.00	1073.7	
13	31290	1	2	16	16	16	1.00	1.00	1147.8	
14	50560	1	3	16	16	16	1.00	1.00	1853.4	
15	35240	1	2	16	16	16	1.00	1.00	1291.4	
16	32190	1	2	16	16	16	1.00	1.00	1179.8	
17	34720	1	2	16	16	16	1.00	1.00	1272.1	

ASTA NUM. 64 NI 60 NF 50 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.1243	1.7811	--	--	9.1042	18.0095 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	17151	5	4	0	1	-1	1003.0	6.0	0.8	0.0	1009.0	1	
1E	0	17609	5	4	0	1	-1	1029.8	6.0	0.8	0.0	1035.8	1	
1I	0	17086	5	3	0	0	-1	999.2	4.3	0.8	0.0	1003.5	6	
1M	0	17674	5	3	0	0	-1	1033.6	4.3	0.8	0.0	1037.9	6	
2	0	24970	10	3	0	0	-1	1460.3	5.6	1.7	0.0	1465.9	6	
3	0	13910	6	3	0	0	-1	813.5	3.4	1.1	0.0	816.9	6	
4	0	12430	6	3	0	0	-1	726.9	3.0	1.0	0.0	730.0	6	
5	0	15370	6	3	0	-0	-1	898.9	3.8	1.1	0.0	902.6	6	
6	0	28720	9	3	0	0	-2	1679.6	6.4	1.4	0.0	1685.9	6	
7	0	15560	5	3	0	-0	-1	910.0	3.9	0.9	0.0	913.9	6	
8	0	14340	5	3	0	0	-1	838.6	3.5	0.8	0.0	842.1	6	
9	0	18200	5	3	0	-0	-1	1064.4	4.5	0.9	0.0	1068.9	6	
10	0	28880	10	3	0	0	-1	1688.9	6.1	1.7	0.0	1695.0	6	
11	0	16210	6	3	0	-0	-1	948.0	3.7	1.1	0.0	951.7	6	
12	0	15060	6	3	0	0	-1	880.7	3.4	1.0	0.0	884.1	6	
13	0	17380	7	3	0	-0	-1	1016.4	4.1	1.1	0.0	1020.5	6	
14	0	30260	9	3	0	0	-2	1769.6	6.4	1.5	0.0	1776.0	6	
15	0	16380	5	3	0	-0	-1	957.9	3.9	0.9	0.0	961.8	6	
16	0	15630	5	3	0	0	-1	914.1	3.5	0.8	0.0	917.6	6	
17	0	18410	5	3	0	-0	-1	1076.6	4.4	0.9	0.0	1081.0	6	
1A	44	17156	1	4	0	-1	1	1003.3	3.3	0.6	0.0	1006.6	1	
1E	44	17614	1	4	0	-1	1	1030.1	3.3	0.6	0.0	1033.4	1	
1I	44	17091	1	3	0	-1	0	999.5	3.7	0.4	0.0	1003.2	1	
1M	44	17679	1	3	0	-1	0	1033.9	3.7	0.4	0.0	1037.6	1	
2	44	24975	-0	3	0	-1	1	1460.6	6.2	0.4	0.0	1466.8	1	
3	44	13910	-0	2	0	-1	1	813.5	5.3	0.4	0.0	818.7	1	
4	44	12435	-0	3	0	-1	1	727.2	5.8	0.4	0.0	733.0	1	
5	44	15375	-0	2	0	-1	1	899.1	5.8	0.4	0.0	905.0	1	
6	44	28725	2	3	0	-1	1	1679.9	6.1	0.4	0.0	1685.9	1	
7	44	15560	1	3	0	-1	0	910.0	6.0	0.5	0.0	915.9	1	
8	44	14345	1	3	0	-1	0	838.9	6.2	0.5	0.0	845.1	1	
9	44	18200	1	3	0	-1	0	1064.4	6.3	0.5	0.0	1070.6	1	
10	44	28880	-0	2	0	-1	1	1688.9	6.0	0.4	0.0	1695.0	1	
11	44	16210	-0	2	0	-1	1	948.0	5.2	0.4	0.0	953.1	1	
12	44	15060	-0	3	0	-1	0	880.7	5.8	0.4	0.0	886.5	1	
13	44	17385	0	2	0	-1	0	1016.7	5.7	0.4	0.0	1022.4	1	
14	44	30265	2	3	0	-1	1	1769.9	6.2	0.5	0.0	1776.2	1	
15	44	16385	1	3	0	-1	0	958.2	6.0	0.5	0.0	964.2	1	
16	44	15635	1	3	0	-1	0	914.3	6.4	0.5	0.0	920.7	1	
17	44	18410	1	3	0	-1	0	1076.6	6.2	0.5	0.0	1082.8	1	
1A	88	17161	-3	4	0	-2	0	1003.6	9.9	0.6	0.0	1013.5	1	
1E	88	17619	-3	4	0	-2	0	1030.4	9.9	0.6	0.0	1040.2	1	
1I	88	17096	-3	3	0	-2	-0	999.8	7.6	0.5	0.0	1007.4	1	
1M	88	17684	-3	3	0	-2	-0	1034.2	7.6	0.5	0.0	1041.8	1	
2	88	24980	-10	2	0	-2	-1	1460.9	11.2	1.7	0.0	1472.0	1	
3	88	13910	-7	2	0	-2	-1	813.5	9.6	1.1	0.0	823.1	1	
4	88	12440	-7	2	0	-2	-1	727.5	11.1	1.1	0.0	738.6	1	
5	88	15380	-6	2	0	-2	-1	899.4	10.7	1.1	0.0	910.1	1	
6	88	28730	-5	3	0	-2	-0	1680.2	9.8	0.8	0.0	1689.9	1	
7	88	15560	-3	3	0	-2	0	910.0	10.3	0.5	0.0	920.2	1	
8	88	14350	-3	3	0	-3	-0	839.2	11.2	0.6	0.0	850.4	1	
9	88	18200	-3	3	0	-3	0	1064.4	10.7	0.5	0.0	1075.1	1	
10	88	28880	-10	2	0	-2	-1	1688.9	11.0	1.7	0.0	1699.9	1	
11	88	16210	-6	2	0	-2	-1	948.0	9.5	1.1	0.0	957.5	1	
12	88	15060	-7	2	0	-2	-1	880.7	11.2	1.1	0.0	892.0	1	
13	88	17390	-6	2	0	-2	-1	1017.0	10.4	1.1	0.0	1027.4	1	
14	88	30270	-6	3	0	-2	-0	1770.2	10.1	0.9	0.0	1780.3	1	
15	88	16390	-3	3	0	-3	-0	958.5	10.3	0.5	0.0	968.9	1	
16	88	15640	-4	3	0	-3	-0	914.6	11.7	0.6	0.0	926.4	1	
17	88	18410	-3	3	0	-3	-0	1076.6	10.6	0.5	0.0	1087.2	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	17161	1	0	41	27	27	1.00	1.00	1009.6	
1E	17619	1	0	41	27	27	1.00	1.00	1036.3	
1I	17096	1	1	41	27	27	1.00	1.00	1006.0	
1M	17684	1	1	41	27	27	1.00	1.00	1040.4	
2	24980	1	1	41	27	27	1.00	1.00	1472.0	
3	13910	1	1	41	27	27	1.00	1.00	822.0	
4	12440	1	1	41	27	27	1.00	1.00	736.9	
5	15380	1	1	41	27	27	1.00	1.00	908.8	
6	28730	1	1	41	27	27	1.00	1.00	1689.8	
7	15560	2	1	41	27	27	1.00	1.00	918.5	
8	14350	2	1	41	27	27	1.00	1.00	848.1	
9	18200	2	1	41	27	27	1.00	1.00	1073.5	
10	28880	1	1	41	27	27	1.00	1.00	1700.2	
11	16210	1	1	41	27	27	1.00	1.00	956.6	
12	15060	1	1	41	27	27	1.00	1.00	890.4	
13	17390	1	1	41	27	27	1.00	1.00	1026.4	
14	30270	1	1	41	27	27	1.00	1.00	1780.1	
15	16390	2	1	41	27	27	1.00	1.00	967.1	
16	15640	2	1	41	27	27	1.00	1.00	923.9	
17	18410	2	1	41	27	27	1.00	1.00	1085.7	

ASTA NUM. 65 NI 8 NF 87 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	27954	1	1	0	-1	3	1020.6	7.0	0.1	0.0	1027.6	6	
1E	0	29346	1	1	0	-1	3	1071.4	7.0	0.1	0.0	1078.4	6	
1I	0	28246	-1	1	0	-1	3	1031.2	7.6	0.1	0.0	1038.9	6	
1M	0	29054	-1	1	0	-1	3	1060.8	7.6	0.1	0.0	1068.4	6	
2	0	41330	-28	-12	0	-5	11	1508.9	27.9	2.8	0.0	1536.9	6	
3	0	28900	-17	-8	0	-3	7	1055.1	17.3	1.7	0.0	1072.4	6	
4	0	26760	-17	-8	0	-3	7	977.0	16.7	1.7	0.0	993.7	6	
5	0	30070	-17	-8	0	-3	7	1097.8	16.9	1.7	0.0	1114.7	6	
6	0	46560	-4	-4	0	-3	5	1699.9	12.7	0.4	0.0	1712.6	6	
7	0	33850	-3	-3	0	-2	3	1235.9	7.7	0.3	0.0	1243.6	6	
8	0	31020	-2	-3	0	-2	3	1132.5	7.1	0.3	0.0	1139.6	6	
9	0	35280	-3	-2	0	-2	3	1288.1	7.4	0.3	0.0	1295.4	6	
10	0	46440	-28	-13	0	-5	12	1695.5	28.9	2.8	0.0	1724.4	6	
11	0	31550	-18	-8	0	-3	7	1151.9	17.8	1.7	0.0	1169.7	6	

12	0	29770	-17	-8	0	-3	7	1086.9	17.3	1.7	0.0	1104.2	6
13	0	32790	-18	-8	0	-3	7	1197.2	17.4	1.7	0.0	1214.6	6
14	0	49860	-4	-4	0	-3	5	1820.4	12.9	0.4	0.0	1833.3	6
15	0	35440	-3	-3	0	-2	3	1293.9	7.9	0.3	0.0	1301.8	6
16	0	32800	-3	-3	0	-2	3	1197.5	7.3	0.3	0.0	1204.8	6
17	0	36550	-3	-3	0	-2	3	1334.4	7.5	0.3	0.0	1341.9	6
1A	33	27964	-1	1	0	-1	3	1021.0	7.8	0.1	0.0	1028.8	6
1E	33	29356	-1	1	0	-1	3	1071.8	7.8	0.1	0.0	1079.6	6
1I	33	28256	-3	1	0	-1	2	1031.6	6.0	0.3	0.0	1037.6	6
1M	33	29064	-3	1	0	-1	2	1061.1	6.0	0.3	0.0	1067.1	6
2	33	41340	-23	-10	0	-1	3	1509.3	6.7	2.3	0.0	1516.0	6
3	33	28910	-15	-6	0	-1	2	1055.5	4.2	1.4	0.0	1059.7	6
4	33	26765	-14	-6	0	-1	1	977.2	3.7	1.4	0.0	980.9	6
5	33	30075	-14	-6	0	-1	1	1098.0	3.8	1.4	0.0	1101.9	6
6	33	46570	-5	-4	0	-2	3	1700.3	8.2	0.5	0.0	1708.5	6
7	33	33855	-3	-2	0	-1	2	1236.0	5.1	0.3	0.0	1241.1	6
8	33	31030	-3	-2	0	-1	2	1132.9	4.6	0.3	0.0	1137.5	6
9	33	35285	-3	-2	0	-1	2	1288.2	4.8	0.3	0.0	1293.0	6
10	33	46455	-24	-10	0	-2	3	1696.1	7.3	2.3	0.0	1703.4	6
11	33	31555	-15	-6	0	-1	2	1152.1	4.5	1.5	0.0	1156.5	6
12	33	29780	-15	-6	0	-1	2	1087.3	4.0	1.4	0.0	1091.3	6
13	33	32800	-15	-6	0	-1	2	1197.5	4.1	1.4	0.0	1201.7	6
14	33	49870	-5	-4	0	-2	3	1820.7	8.6	0.5	0.0	1829.3	6
15	33	35445	-3	-2	0	-1	2	1294.1	5.1	0.3	0.0	1299.2	6
16	33	32805	-3	-2	0	-1	2	1197.7	4.7	0.3	0.0	1202.4	6
17	33	36555	-3	-2	0	-1	2	1334.6	4.8	0.3	0.0	1339.4	6
1A	67	27974	-3	1	0	-1	3	1021.3	7.5	0.3	0.0	1028.8	6
1E	67	29366	-3	1	0	-1	3	1072.1	7.5	0.3	0.0	1079.6	6
1I	67	28266	-5	1	0	-1	1	1032.0	3.6	0.5	0.0	1035.5	1
1M	67	29074	-5	1	0	-1	1	1061.5	3.6	0.5	0.0	1065.1	1
2	67	41350	-19	-7	0	1	-4	1509.7	10.5	1.9	0.0	1520.2	6
3	67	28920	-12	-4	0	1	-3	1055.9	6.5	1.2	0.0	1062.4	6
4	67	26770	-12	-4	0	1	-3	977.4	6.9	1.1	0.0	984.2	6
5	67	30080	-12	-4	0	1	-3	1098.2	6.8	1.1	0.0	1105.0	6
6	67	46580	-6	-3	0	-1	1	1700.6	3.5	0.6	0.0	1704.1	6
7	67	33860	-3	-2	0	-1	1	1236.2	2.3	0.3	0.0	1238.5	6
8	67	31040	-3	-2	0	-0	1	1133.3	1.8	0.3	0.0	1135.1	6
9	67	35290	-3	-2	0	-1	1	1288.4	2.0	0.3	0.0	1290.4	6
10	67	46470	-19	-8	0	1	-4	1696.6	10.3	1.9	0.0	1706.9	6
11	67	31560	-12	-5	0	1	-3	1152.2	6.4	1.2	0.0	1158.7	6
12	67	29790	-12	-5	0	1	-3	1087.6	6.8	1.2	0.0	1094.4	6
13	67	32810	-12	-5	0	1	-3	1197.9	6.7	1.2	0.0	1204.6	6
14	67	49880	-6	-3	0	-1	2	1821.1	3.8	0.6	0.0	1824.9	6
15	67	35450	-4	-2	0	-1	1	1294.3	2.2	0.4	0.0	1296.5	6
16	67	32810	-3	-2	0	-0	1	1197.9	1.8	0.3	0.0	1199.7	6
17	67	36560	-3	-2	0	-1	1	1334.8	2.0	0.3	0.0	1336.8	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	27974	1	3	17	17	17	1.00	1.00	1029.9	
1E	29366	1	3	17	17	17	1.00	1.00	1080.6	
1I	28266	1	2	17	17	17	1.00	1.00	1039.2	
1M	29074	1	2	17	17	17	1.00	1.00	1068.8	
2	41350	3	5	17	17	17	1.00	1.00	1525.4	
3	28920	2	3	17	17	17	1.00	1.00	1065.7	
4	26770	2	3	17	17	17	1.00	1.00	986.7	
5	30080	2	3	17	17	17	1.00	1.00	1107.7	
6	46580	2	3	17	17	17	1.00	1.00	1712.2	
7	33860	1	2	17	17	17	1.00	1.00	1243.5	
8	31040	1	2	17	17	17	1.00	1.00	1140.0	
9	35290	1	2	17	17	17	1.00	1.00	1295.5	
10	46470	3	5	17	17	17	1.00	1.00	1713.3	
11	31560	2	3	17	17	17	1.00	1.00	1162.6	
12	29790	2	3	17	17	17	1.00	1.00	1097.5	
13	32810	2	3	17	17	17	1.00	1.00	1207.9	
14	49880	2	4	17	17	17	1.00	1.00	1833.1	
15	35450	1	2	17	17	17	1.00	1.00	1301.7	
16	32810	1	2	17	17	17	1.00	1.00	1204.8	
17	36560	1	2	17	17	17	1.00	1.00	1341.9	

ASTA NUM. 66 NI 62 NF 49 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.1243	1.7811	--	--	9.1042	18.0095 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	18481	5	1	0	1	-1	1080.8	5.6	0.9	0.0	1086.4	1	
1E	0	18939	5	1	0	1	-1	1107.5	5.6	0.9	0.0	1113.2	1	
1I	0	18416	5	-0	0	0	-1	1077.0	4.2	0.8	0.0	1081.2	6	
1M	0	19004	5	-0	0	0	-1	1111.4	4.2	0.8	0.0	1115.5	6	
2	0	25570	10	-1	0	-0	-1	1495.4	5.3	1.7	0.0	1500.7	6	
3	0	14170	6	0	0	-0	-1	828.7	2.8	1.0	0.0	831.5	6	
4	0	14940	6	1	0	-0	-1	873.7	3.0	1.0	0.0	876.7	6	
5	0	14080	6	0	0	-0	-1	823.4	2.7	1.0	0.0	826.1	6	
6	0	30540	9	-1	0	-0	-2	1786.0	6.3	1.4	0.0	1792.3	6	
7	0	16520	5	1	0	-0	-1	966.1	3.2	0.8	0.0	969.3	6	
8	0	18000	5	1	0	-0	-1	1052.7	3.5	0.9	0.0	1056.2	6	
9	0	17130	5	1	0	-0	-1	1001.8	3.3	0.8	0.0	1005.0	6	
10	0	30670	10	-1	0	-0	-1	1793.6	6.0	1.7	0.0	1799.7	6	
11	0	17210	6	0	0	-0	-1	1006.5	3.2	1.0	0.0	1009.7	6	
12	0	18290	7	0	0	-0	-1	1069.6	3.4	1.1	0.0	1073.1	6	
13	0	16930	6	0	0	-0	-1	990.1	3.1	1.0	0.0	993.2	6	
14	0	32090	9	-1	0	-0	-2	1876.7	6.3	1.5	0.0	1883.0	6	
15	0	17340	5	1	0	-0	-1	1014.1	3.1	0.8	0.0	1017.2	6	
16	0	19270	5	1	0	-0	-1	1126.9	3.6	0.9	0.0	1130.5	6	
17	0	17500	5	1	0	-0	-1	1023.4	3.1	0.8	0.0	1026.6	6	
1A	44	18486	1	1	0	0	1	1081.1	2.8	0.2	0.0	1083.9	6	
1E	44	18944	1	1	0	0	1	1107.8	2.8	0.2	0.0	1110.7	6	
1I	44	18421	1	-0	0	0	0	1077.3	2.3	0.2	0.0	1079.6	6	
1M	44	19009	1	-0	0	0	0	1111.7	2.3	0.2	0.0	1113.9	6	
2	44	25575	-0	-0	0	0	1	1495.6	4.3	0.1	0.0	1500.0	6	
3	44	14170	-0	1	0	-0	1	828.7	3.2	0.1	0.0	831.9	6	
4	44	14940	-0	1	0	-0	1	873.7	3.5	0.2	0.0	877.2	6	
5	44	14080	-0	1	0	-0	1	823.4	3.3	0.1	0.0	826.7	6	
6	44	30545	2	-1	0	0	1	1786.3	3.9	0.3	0.0	1790.2	6	
7	44	16520	1	1	0	-0	1	966.1	3.0	0.1	0.0	969.1	6	
8	44	18000	1	1	0	-0	1	1052.7	3.1	0.2	0.0	1055.7	6	
9	44	17130	1	1	0	-0	1	1001.8	2.7	0.1	0.0	1004.5	6	
10	44	30670	0	-1	0	0	1	1793.6	4.2	0.1	0.0	1797.8	6	
11	44	17210	-0	0	0	-0	1	1006.5	2.7	0.1	0.0	1009.2	6	
12	44	18290	0	1	0	-0	1	1069.6	3.0	0.1	0.0	1072.6	6	
13	44	16935	-0	1	0	-0	1	990.4	2.8	0.1	0.0	993.2	6	
14	44	32095	2	-1	0	0	1	1876.9	4.1	0.3	0.0	1881.1	6	
15	44	17345	1	1	0	-0	1	1014.4	2.9	0.1	0.0	1017.2	6	
16	44	19270	1	1	0	-0	1	1126.9	3.0	0.2	0.0	1129.9	6	
17	44	17505	1	1	0	-0	1	1023.7	2.7	0.1	0.0	1026.4	6	
1A	88	18491	-3	1	0	-0	0	1081.4	1.2	0.5	0.0	1082.6	1	
1E	88	18949	-3	1	0	-0	0	1108.1	1.2	0.5	0.0	1109.3	1	
1I	88	18426	-3	-0	0	0	0	1077.6	1.2	0.5	0.0	1078.8	1	
1M	88	19014	-3	-0	0	0	0	1111.9	1.2	0.5	0.0	1113.1	1	
2	88	25580	-11	0	0	0	-1	1495.9	6.2	1.7	0.0	1502.1	6	
3	88	14170	-7	1	0	-1	-1	828.7	4.4	1.1	0.0	833.1	6	
4	88	14940	-7	1	0	-1	-1	873.7	5.1	1.1	0.0	878.8	1	
5	88	14080	-7	1	0	-1	-1	823.4	5.3	1.1	0.0	828.7	6	
6	88	30550	-5	-1	0	1	0	1786.6	3.7	0.8	0.0	1790.3	1	
7	88	16520	-3	1	0	-1	0	966.1	2.8	0.6	0.0	968.9	1	
8	88	18000	-3	1	0	-1	0	1052.7	3.7	0.5	0.0	1056.3	1	
9	88	17130	-4	1	0	-1	-0	1001.8	3.0	0.6	0.0	1004.8	1	
10	88	30670	-10	-0	0	1	-1	1793.6	6.8	1.7	0.0	1800.4	6	
11	88	17210	-7	1	0	-0	-1	1006.5	4.1	1.1	0.0	1010.6	6	
12	88	18290	-6	1	0	-1	-1	1069.6	4.5	1.1	0.0	1074.1	6	
13	88	16940	-7	1	0	-1	-1	990.7	5.0	1.1	0.0	995.7	6	
14	88	32100	-6	-1	0	1	-0	1877.2	3.8	0.9	0.0	1881.1	1	
15	88	17350	-3	1	0	-1	0	1014.6	2.6	0.6	0.0	1017.3	1	
16	88	19270	-3	1	0	-1	0	1126.9	3.8	0.5	0.0	1130.8	1	
17	88	17510	-4	1	0	-1	-0	1024.0	2.9	0.6	0.0	1026.9	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	18491	1	0	41	27	27	1.00	1.00	1085.5	
1E	18949	1	0	41	27	27	1.00	1.00	1112.2	
1I	18426	0	1	41	27	27	1.00	1.00	1080.9	
1M	19014	0	1	41	27	27	1.00	1.00	1115.3	
2	25580	0	1	41	27	27	1.00	1.00	1502.1	
3	14170	0	1	41	27	27	1.00	1.00	833.4	
4	14940	1	1	41	27	27	1.00	1.00	879.2	
5	14080	1	1	41	27	27	1.00	1.00	829.1	
6	30550	1	1	41	27	27	1.00	1.00	1792.4	
7	16520	0	0	41	27	27	1.00	1.00	969.6	
8	18000	1	0	41	27	27	1.00	1.00	1056.7	
9	17130	0	0	41	27	27	1.00	1.00	1005.7	
10	30670	0	1	41	27	27	1.00	1.00	1801.2	
11	17210	0	1	41	27	27	1.00	1.00	1010.8	

12	18290	0	1	41	27	27	1.00	1.00	1074.9	
13	16940	0	1	41	27	27	1.00	1.00	995.9	
14	32100	1	1	41	27	27	1.00	1.00	1883.3	
15	17350	0	0	41	27	27	1.00	1.00	1018.1	
16	19270	1	0	41	27	27	1.00	1.00	1131.1	
17	17510	0	0	41	27	27	1.00	1.00	1027.9	

ASTA NUM. 67 NI 8 NF 62 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.1243	1.7811	--	--	9.1042	18.0095 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	18449	2	3	0	1	1	1078.9	7.7	0.5	0.0	1086.6	1	
1E	0	18911	2	3	0	1	1	1105.9	7.7	0.5	0.0	1113.6	1	
1I	0	18383	2	1	0	1	1	1075.1	4.8	0.4	0.0	1079.8	1	
1M	0	18977	2	1	0	1	1	1109.8	4.8	0.4	0.0	1114.6	1	
2	0	25530	9	1	0	1	-0	1493.0	4.0	1.5	0.0	1497.0	1	
3	0	14140	6	1	0	1	-0	826.9	5.4	1.0	0.0	832.4	1	
4	0	14910	6	2	0	2	-0	872.0	7.0	1.0	0.0	878.9	1	
5	0	14050	6	1	0	1	-0	821.7	5.7	1.0	0.0	827.3	1	
6	0	30490	5	1	0	1	1	1783.1	4.1	0.7	0.0	1787.2	1	
7	0	16490	3	2	0	1	-0	964.4	6.1	0.6	0.0	970.4	1	
8	0	17970	3	2	0	2	0	1050.9	7.7	0.5	0.0	1058.6	1	
9	0	17090	3	2	0	1	0	999.4	5.7	0.5	0.0	1005.1	1	
10	0	30620	9	0	0	1	0	1790.7	3.4	1.4	0.0	1794.0	1	
11	0	17180	6	1	0	1	-0	1004.7	4.8	1.0	0.0	1009.5	1	
12	0	18270	6	1	0	2	0	1068.4	6.5	0.9	0.0	1074.9	1	
13	0	16910	6	1	0	1	-0	988.9	5.0	1.0	0.0	993.9	1	
14	0	32030	5	1	0	1	1	1873.1	4.2	0.8	0.0	1877.3	1	
15	0	17310	3	2	0	1	-0	1012.3	6.0	0.6	0.0	1018.3	1	
16	0	19230	3	2	0	2	0	1124.6	8.0	0.5	0.0	1132.6	1	
17	0	17470	3	2	0	1	0	1021.7	5.6	0.6	0.0	1027.2	1	
1A	44	18454	-2	3	0	0	1	1079.2	4.2	0.5	0.0	1083.4	6	
1E	44	18916	-2	3	0	0	1	1106.2	4.2	0.5	0.0	1110.5	6	
1I	44	18388	-2	1	0	0	1	1075.4	3.7	0.3	0.0	1079.1	6	
1M	44	18982	-2	1	0	0	1	1110.1	3.7	0.3	0.0	1113.8	6	
2	44	25530	-1	1	0	1	2	1493.0	7.3	0.2	0.0	1500.3	6	
3	44	14140	-0	1	0	1	1	826.9	4.7	0.2	0.0	831.7	6	
4	44	14910	-1	2	0	1	1	872.0	5.4	0.3	0.0	877.3	6	
5	44	14050	-0	2	0	1	1	821.7	5.0	0.3	0.0	826.6	6	
6	44	30495	-2	1	0	0	1	1783.4	4.7	0.4	0.0	1788.1	6	
7	44	16490	-1	2	0	1	1	964.3	3.7	0.3	0.0	968.1	1	
8	44	17970	-1	2	0	1	1	1050.9	4.6	0.3	0.0	1055.5	1	
9	44	17095	-1	2	0	1	1	999.7	3.5	0.3	0.0	1003.2	1	
10	44	30625	-2	1	0	0	2	1791.0	7.4	0.3	0.0	1798.4	6	
11	44	17185	-1	1	0	1	1	1005.0	4.8	0.2	0.0	1009.8	6	
12	44	18270	-1	2	0	1	1	1068.4	5.5	0.3	0.0	1073.9	6	
13	44	16910	-1	1	0	1	1	988.9	5.0	0.2	0.0	994.0	6	
14	44	32035	-2	1	0	0	1	1873.4	5.1	0.4	0.0	1878.5	6	
15	44	17315	-1	2	0	1	1	1012.6	3.8	0.3	0.0	1016.4	1	
16	44	19235	-1	2	0	1	1	1124.9	4.8	0.3	0.0	1129.7	1	
17	44	17475	-1	2	0	1	1	1022.0	3.5	0.3	0.0	1025.4	6	
1A	88	18459	-6	3	0	-1	-1	1079.5	5.9	1.0	0.0	1085.4	1	
1E	88	18921	-6	3	0	-1	-1	1106.5	5.9	1.0	0.0	1112.5	1	
1I	88	18393	-6	1	0	-0	-1	1075.6	4.3	1.0	0.0	1080.0	6	
1M	88	18987	-6	1	0	-0	-1	1110.4	4.3	1.0	0.0	1114.7	6	
2	88	25530	-12	2	0	-0	-1	1493.0	5.3	1.9	0.0	1498.3	6	
3	88	14140	-7	2	0	-0	-1	826.9	2.8	1.1	0.0	829.7	6	
4	88	14910	-7	2	0	-0	-1	872.0	3.0	1.2	0.0	874.9	6	
5	88	14050	-7	2	0	-0	-1	821.7	2.7	1.1	0.0	824.4	6	
6	88	30500	-9	1	0	-0	-2	1783.7	6.3	1.5	0.0	1790.0	6	
7	88	16490	-5	2	0	-0	-1	964.4	3.2	0.8	0.0	967.5	6	
8	88	17970	-5	2	0	-0	-1	1050.9	3.6	0.9	0.0	1054.5	6	
9	88	17100	-5	2	0	-0	-1	1000.0	3.3	0.9	0.0	1003.3	6	
10	88	30630	-12	1	0	-0	-1	1791.3	6.1	2.0	0.0	1797.3	6	
11	88	17190	-7	2	0	-0	-1	1005.3	3.2	1.2	0.0	1008.5	6	
12	88	18270	-7	2	0	-0	-1	1068.4	3.5	1.2	0.0	1071.9	6	
13	88	16910	-7	2	0	-0	-1	988.9	3.1	1.2	0.0	992.1	6	
14	88	32040	-10	1	0	-0	-2	1873.7	6.3	1.6	0.0	1880.1	6	
15	88	17320	-5	2	0	-0	-1	1012.9	3.1	0.8	0.0	1016.0	6	
16	88	19240	-6	2	0	-0	-1	1125.2	3.6	0.9	0.0	1128.8	6	
17	88	17480	-5	2	0	-0	-1	1022.2	3.2	0.9	0.0	1025.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	18459	1	0	41	27	27	1.00	1.00	1083.6	
1E	18921	1	0	41	27	27	1.00	1.00	1110.7	
1I	18393	0	0	41	27	27	1.00	1.00	1078.7	
1M	18987	0	0	41	27	27	1.00	1.00	1113.4	
2	25530	1	1	41	27	27	1.00	1.00	1498.5	
3	14140	1	1	41	27	27	1.00	1.00	831.9	
4	14910	1	0	41	27	27	1.00	1.00	877.9	
5	14050	1	0	41	27	27	1.00	1.00	826.5	
6	30500	0	1	41	27	27	1.00	1.00	1788.6	
7	16490	1	0	41	27	27	1.00	1.00	969.7	
8	17970	1	0	41	27	27	1.00	1.00	1057.0	
9	17100	1	0	41	27	27	1.00	1.00	1004.8	
10	30630	0	1	41	27	27	1.00	1.00	1796.6	
11	17190	1	1	41	27	27	1.00	1.00	1010.1	
12	18270	1	0	41	27	27	1.00	1.00	1074.3	
13	16910	1	0	41	27	27	1.00	1.00	993.6	
14	32040	0	1	41	27	27	1.00	1.00	1878.7	
15	17320	1	0	41	27	27	1.00	1.00	1018.3	
16	19240	1	0	41	27	27	1.00	1.00	1131.5	
17	17480	1	0	41	27	27	1.00	1.00	1026.9	

ASTA NUM. 68 NI 5 NF 61 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.1243	-1.7811	--	--	9.1042	0.1988 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-19561	5	1	0	0	-0	1144.0	1.3	0.9	0.0	1145.2	6	
1E	0	-19099	5	1	0	0	-0	1116.9	1.3	0.9	0.0	1118.2	6	
1I	0	-19627	6	-1	0	-0	-1	1147.8	2.9	0.9	0.0	1150.7	6	
1M	0	-19033	6	-1	0	-0	-1	1113.1	2.9	0.9	0.0	1115.9	6	
2	0	-27250	3	-3	0	-1	-1	1593.6	6.1	0.6	0.0	1599.7	1	
3	0	-15040	2	-2	0	-1	-0	879.6	6.3	0.4	0.0	885.8	1	
4	0	-14810	2	-3	0	-2	-1	866.1	8.0	0.5	0.0	874.1	1	
5	0	-11900	1	-2	0	-1	-0	695.9	6.1	0.4	0.0	702.0	1	
6	0	-31690	8	-2	0	-1	-1	1853.3	6.9	1.3	0.0	1860.2	6	
7	0	-16750	5	-2	0	-2	-1	979.6	7.8	0.8	0.0	987.4	1	
8	0	-17430	5	-3	0	-2	-1	1019.3	9.2	0.8	0.0	1028.5	1	
9	0	-13770	4	-2	0	-2	-0	805.3	6.8	0.6	0.0	812.1	1	
10	0	-28780	4	-3	0	-1	-1	1683.1	5.6	0.6	0.0	1688.7	1	
11	0	-15890	2	-2	0	-1	-1	929.3	6.0	0.4	0.0	935.2	1	
12	0	-15590	2	-3	0	-2	-1	911.7	7.9	0.5	0.0	919.6	1	
13	0	-12800	1	-2	0	-1	-0	748.6	5.8	0.4	0.0	754.3	1	
14	0	-30150	8	-2	0	-1	-1	1763.2	7.0	1.3	0.0	1770.2	6	
15	0	-15690	5	-2	0	-2	-1	917.6	7.8	0.8	0.0	925.4	1	
16	0	-16170	5	-3	0	-2	-1	945.6	9.4	0.8	0.0	955.1	1	
17	0	-12730	4	-2	0	-2	-0	744.5	6.7	0.6	0.0	751.2	1	
1A	44	-19556	1	1	0	-0	1	1143.7	5.6	0.2	0.0	1149.2	6	
1E	44	-19094	1	1	0	-0	1	1116.6	5.6	0.2	0.0	1122.2	6	
1I	44	-19622	2	-1	0	-0	1	1147.5	4.8	0.3	0.0	1152.3	6	
1M	44	-19028	2	-1	0	-0	1	1112.8	4.8	0.3	0.0	1117.6	6	
2	44	-27240	2	-2	0	-0	0	1593.0	2.2	0.4	0.0	1595.2	6	
3	44	-15035	1	-2	0	-0	0	879.3	2.1	0.3	0.0	881.4	1	
4	44	-14805	1	-2	0	-1	0	865.8	2.9	0.4	0.0	868.7	1	
5	44	-11890	1	-2	0	-1	0	695.3	2.7	0.3	0.0	698.0	1	
6	44	-31680	3	-2	0	-0	1	1852.7	4.8	0.5	0.0	1857.5	6	
7	44	-16750	2	-2	0	-1	1	979.6	3.6	0.4	0.0	983.1	6	
8	44	-17430	2	-3	0	-1	1	1019.3	3.9	0.4	0.0	1023.2	1	
9	44	-13765	1	-2	0	-1	1	805.0	4.3	0.4	0.0	809.3	6	
10	44	-28770	3	-2	0	-0	1	1682.5	2.3	0.4	0.0	1684.8	6	
11	44	-15880	2	-2	0	-0	0	928.7	1.9	0.3	0.0	930.6	1	
12	44	-15585	2	-2	0	-1	0	911.4	2.8	0.4	0.0	914.2	1	
13	44	-12795	1	-2	0	-0	0	748.3	2.5	0.3	0.0	750.7	1	
14	44	-30140	3	-2	0	-0	1	1762.6	5.2	0.5	0.0	1767.8	6	
15	44	-15685	2	-2	0	-1	1	917.3	3.6	0.4	0.0	920.9	6	
16	44	-16165	2	-3	0	-1	1	945.3	4.1	0.5	0.0	949.4	1	
17	44	-12725	1	-2	0	-1	1	744.2	4.3	0.3	0.0	748.4	6	
1A	88	-19551	-3	1	0	-1	1	1143.4	5.1	0.4	0.0	1148.5	6	
1E	88	-19089	-3	1	0	-1	1	1116.3	5.1	0.4	0.0	1121.4	6	
1I	88	-19617	-2	-1	0	0	1	1147.2	4.4	0.4	0.0	1151.6	6	
1M	88	-19023	-2	-1	0	0	1	1112.5	4.4	0.4	0.0	1116.8	6	
2	88	-27230	2	-2	0	1	1	1592.4	6.7	0.3	0.0	1599.1	6	
3	88	-15030	1	-2	0	0	1	879.0	3.8	0.3	0.0	882.7	6	
4	88	-14800	1	-2	0	0	1	865.5	3.9	0.4	0.0	869.5	6	
5	88	-11880	0	-2	0	0	1	694.8	3.0	0.3	0.0	697.8	6	
6	88	-31670	-1	-2	0	1	2	1852.1	7.7	0.3	0.0	1859.8	6	
7	88	-16750	-1	-2	0	0	1	979.6	4.2	0.4	0.0	983.8	6	
8	88	-17430	-1	-3	0	0	1	1019.3	4.6	0.4	0.0	1023.9	6	
9	88	-13760	-2	-2	0	0	1	804.7	3.4	0.3	0.0	808.1	6	

10	88	-28760	2	-1	0	1	2	1681.9	7.3	0.3	0.0	1689.2	6
11	88	-15870	1	-2	0	0	1	928.1	4.1	0.3	0.0	932.2	6
12	88	-15580	1	-2	0	0	1	911.1	4.3	0.4	0.0	915.4	6
13	88	-12790	0	-2	0	0	1	748.0	3.4	0.3	0.0	751.4	6
14	88	-30130	-2	-2	0	1	2	1762.0	7.7	0.3	0.0	1769.7	6
15	88	-15680	-1	-2	0	0	1	917.0	4.1	0.4	0.0	921.1	6
16	88	-16160	-1	-3	0	0	1	945.1	4.5	0.4	0.0	949.6	6
17	88	-12720	-2	-2	0	0	1	743.9	3.4	0.3	0.0	747.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-19561	0	1	41	27	27	1.22	1.00	1399.0	
1E	-19099	0	1	41	27	27	1.22	1.00	1366.0	
1I	-19627	0	0	41	27	27	1.22	1.00	1402.9	
1M	-19033	0	0	41	27	27	1.22	1.00	1360.5	
2	-27250	0	1	41	27	27	1.22	1.00	1948.6	
3	-15040	1	0	41	27	27	1.22	1.00	1077.2	
4	-14810	1	0	41	27	27	1.22	1.00	1061.8	
5	-11900	1	0	41	27	27	1.22	1.00	853.6	
6	-31690	0	1	41	27	27	1.22	1.00	2265.6	
7	-16750	1	0	41	27	27	1.22	1.00	1200.0	
8	-17430	1	0	41	27	27	1.22	1.00	1249.3	
9	-13770	1	0	41	27	27	1.22	1.00	987.2	
10	-28780	0	1	41	27	27	1.22	1.00	2057.8	
11	-15890	1	0	41	27	27	1.22	1.00	1137.7	
12	-15590	1	0	41	27	27	1.22	1.00	1117.4	
13	-12800	1	0	41	27	27	1.22	1.00	917.7	
14	-30150	0	1	41	27	27	1.22	1.00	2155.8	
15	-15690	1	0	41	27	27	1.22	1.00	1124.3	
16	-16170	1	0	41	27	27	1.22	1.00	1159.5	
17	-12730	1	0	41	27	27	1.22	1.00	912.9	

ASTA NUM. 69 NI 61 NF 49 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.1243	-1.7811	--	--	9.1042	0.1988 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-19519	2	1	0	2	1	1141.5	8.1	0.4	0.0	1149.5	1	
1E	0	-19061	2	1	0	2	1	1114.7	8.1	0.4	0.0	1122.8	1	
1I	0	-19584	2	-0	0	1	1	1145.3	5.4	0.4	0.0	1150.7	6	
1M	0	-18996	2	-0	0	1	1	1110.9	5.4	0.4	0.0	1116.3	6	
2	0	-27190	1	-1	0	1	1	1590.1	6.7	0.2	0.0	1596.8	6	
3	0	-15000	1	-1	0	0	1	877.2	3.8	0.2	0.0	881.0	6	
4	0	-14770	1	-2	0	0	1	863.8	4.0	0.3	0.0	867.7	6	
5	0	-11860	1	-1	0	0	1	693.6	3.1	0.2	0.0	696.7	6	
6	0	-31630	3	-1	0	1	2	1849.8	7.7	0.4	0.0	1857.5	6	
7	0	-16720	2	-2	0	0	1	977.8	4.2	0.3	0.0	982.0	6	
8	0	-17400	2	-2	0	0	1	1017.6	4.6	0.4	0.0	1022.2	6	
9	0	-13730	2	-2	0	0	1	802.9	3.5	0.4	0.0	806.4	6	
10	0	-28710	1	-1	0	1	2	1679.0	7.4	0.2	0.0	1686.4	6	
11	0	-15840	1	-1	0	0	1	926.3	4.2	0.2	0.0	930.5	6	
12	0	-15550	1	-2	0	0	1	909.4	4.4	0.3	0.0	913.7	6	
13	0	-12760	1	-1	0	0	1	746.2	3.5	0.2	0.0	749.7	6	
14	0	-30090	3	-1	0	1	2	1759.7	7.8	0.5	0.0	1767.5	6	
15	0	-15650	2	-2	0	0	1	915.2	4.2	0.3	0.0	919.4	6	
16	0	-16130	2	-2	0	0	1	943.3	4.6	0.4	0.0	947.9	6	
17	0	-12690	2	-1	0	0	1	742.1	3.4	0.4	0.0	745.6	6	
1A	44	-19514	-2	1	0	1	1	1141.2	6.4	0.3	0.0	1147.6	6	
1E	44	-19056	-2	1	0	1	1	1114.4	6.4	0.3	0.0	1120.8	6	
1I	44	-19579	-2	-0	0	1	1	1145.0	5.9	0.3	0.0	1150.9	6	
1M	44	-18991	-2	-0	0	1	1	1110.6	5.9	0.3	0.0	1116.5	6	
2	44	-27180	0	-1	0	1	2	1589.5	8.6	0.1	0.0	1598.1	6	
3	44	-14995	0	-1	0	1	1	876.9	5.8	0.2	0.0	882.7	6	
4	44	-14765	0	-2	0	1	1	863.5	6.8	0.3	0.0	870.3	1	
5	44	-11850	1	-1	0	1	1	693.0	5.4	0.2	0.0	698.4	6	
6	44	-31620	-2	-1	0	1	2	1849.2	9.3	0.3	0.0	1858.5	6	
7	44	-16715	-1	-2	0	1	1	977.5	6.5	0.3	0.0	984.0	6	
8	44	-17395	-1	-2	0	1	1	1017.3	7.7	0.4	0.0	1025.0	1	
9	44	-13725	-1	-1	0	1	1	802.7	5.9	0.2	0.0	808.5	6	
10	44	-28700	-0	-1	0	1	2	1678.4	8.6	0.1	0.0	1687.0	6	
11	44	-15835	0	-1	0	1	1	926.0	5.8	0.2	0.0	931.8	6	
12	44	-15545	0	-2	0	1	1	909.1	6.9	0.3	0.0	916.0	1	
13	44	-12755	0	-1	0	1	1	745.9	5.4	0.2	0.0	751.3	6	
14	44	-30080	-2	-1	0	1	2	1759.1	9.5	0.3	0.0	1768.6	6	
15	44	-15650	-1	-2	0	1	1	915.2	6.4	0.3	0.0	921.6	6	
16	44	-16125	-1	-2	0	1	1	943.0	7.7	0.4	0.0	950.7	1	
17	44	-12685	-1	-1	0	1	1	741.8	5.7	0.2	0.0	747.6	6	
1A	88	-19509	-6	1	0	0	-0	1140.9	2.4	0.9	0.0	1143.2	6	
1E	88	-19051	-6	1	0	0	-0	1114.1	2.4	0.9	0.0	1116.5	6	
1I	88	-19574	-6	-0	0	1	-1	1144.7	4.5	1.0	0.0	1149.2	1	
1M	88	-18986	-6	-0	0	1	-1	1110.3	4.5	1.0	0.0	1114.8	1	
2	88	-27170	-1	-0	0	1	2	1588.9	8.4	0.1	0.0	1597.4	6	
3	88	-14990	-0	-1	0	1	1	876.6	7.4	0.1	0.0	884.0	1	
4	88	-14760	-0	-1	0	2	1	863.2	9.6	0.2	0.0	872.8	1	
5	88	-11840	-0	-1	0	1	1	692.4	7.1	0.1	0.0	699.5	1	
6	88	-31610	-6	-1	0	2	0	1848.6	7.1	1.0	0.0	1855.7	1	
7	88	-16710	-4	-2	0	2	0	977.2	7.9	0.6	0.0	985.1	1	
8	88	-17390	-4	-2	0	2	0	1017.0	10.0	0.6	0.0	1026.9	1	
9	88	-13720	-3	-1	0	2	0	802.4	6.8	0.6	0.0	809.2	1	
10	88	-28690	-1	-0	0	1	1	1677.8	7.9	0.2	0.0	1685.8	1	
11	88	-15830	-0	-1	0	1	1	925.8	7.1	0.1	0.0	932.9	1	
12	88	-15540	-1	-1	0	2	1	908.8	9.6	0.2	0.0	918.4	1	
13	88	-12750	-0	-1	0	1	1	745.6	6.8	0.1	0.0	752.4	1	
14	88	-30070	-7	-1	0	2	-0	1758.5	7.0	1.1	0.0	1765.5	1	
15	88	-15650	-4	-2	0	2	0	915.2	7.7	0.6	0.0	922.9	1	
16	88	-16120	-4	-2	0	2	0	942.7	10.1	0.6	0.0	952.8	1	
17	88	-12680	-3	-1	0	2	0	741.5	6.6	0.6	0.0	748.1	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-19519	1	0	41	27	27	1.22	1.00	1399.2	
1E	-19061	1	0	41	27	27	1.22	1.00	1366.6	
1I	-19584	1	0	41	27	27	1.22	1.00	1402.7	
1M	-18996	1	0	41	27	27	1.22	1.00	1360.7	
2	-27190	1	1	41	27	27	1.22	1.00	1951.2	
3	-15000	1	1	41	27	27	1.22	1.00	1078.4	
4	-14770	1	1	41	27	27	1.22	1.00	1063.5	
5	-11860	1	1	41	27	27	1.22	1.00	853.9	
6	-31630	1	1	41	27	27	1.22	1.00	2266.8	
7	-16720	1	1	41	27	27	1.22	1.00	1200.9	
8	-17400	2	1	41	27	27	1.22	1.00	1251.0	
9	-13730	1	1	41	27	27	1.22	1.00	986.4	
10	-28710	1	1	41	27	27	1.22	1.00	2059.7	
11	-15840	1	1	41	27	27	1.22	1.00	1138.3	
12	-15550	1	1	41	27	27	1.22	1.00	1119.2	
13	-12760	1	1	41	27	27	1.22	1.00	917.9	
14	-30090	1	1	41	27	27	1.22	1.00	2156.7	
15	-15650	1	1	41	27	27	1.22	1.00	1124.4	
16	-16130	2	1	41	27	27	1.22	1.00	1160.3	
17	-12690	1	0	41	27	27	1.22	1.00	911.9	

ASTA NUM. 70 NI 7 NF 60 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.1243	1.7811	--	--	9.1042	18.0095 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	17109	2	3	0	1	1	1000.5	7.1	0.4	0.0	1007.6	1	
1E	0	17571	2	3	0	1	1	1027.6	7.1	0.4	0.0	1034.7	1	
1I	0	17043	2	1	0	1	1	996.7	4.2	0.4	0.0	1000.9	6	
1M	0	17637	2	1	0	1	1	1031.4	4.2	0.4	0.0	1035.7	6	
2	0	24930	9	1	0	1	0	1457.9	3.1	1.5	0.0	1461.0	1	
3	0	13880	6	2	0	1	0	811.7	4.4	0.9	0.0	816.1	1	
4	0	12410	6	2	0	1	-0	725.7	6.3	0.9	0.0	732.0	1	
5	0	15350	5	2	0	1	0	897.7	5.0	0.9	0.0	902.7	1	
6	0	28670	4	1	0	1	1	1676.6	3.4	0.7	0.0	1680.1	1	
7	0	15530	3	2	0	1	0	908.2	6.1	0.4	0.0	914.3	1	
8	0	14310	3	2	0	2	0	836.9	7.1	0.5	0.0	844.0	1	
9	0	18170	2	2	0	1	1	1062.6	6.0	0.4	0.0	1068.6	1	
10	0	28830	9	1	0	1	0	1686.0	2.8	1.4	0.0	1688.8	1	
11	0	16180	5	1	0	1	0	946.2	4.2	0.9	0.0	950.4	1	
12	0	15040	6	2	0	1	0	879.6	6.0	0.9	0.0	885.6	1	
13	0	17360	5	2	0	1	0	1015.2	4.7	0.8	0.0	1019.9	1	
14	0	30210	5	1	0	1	1	1766.7	3.4	0.8	0.0	1770.1	1	
15	0	16350	3	2	0	1	0	956.2	6.1	0.4	0.0	962.2	1	
16	0	15600	3	2	0	2	0	912.3	7.6	0.5	0.0	919.9	1	
17	0	18380	2	2	0	1	1	1074.9	5.8	0.4	0.0	1080.7	1	
1A	44	17114	-2	3	0	0	1	1000.8	4.2	0.4	0.0	1005.0	6	

1E	44	17576	-2	3	0	0	1	1027.9	4.2	0.4	0.0	1032.1	6
1I	44	17048	-2	1	0	0	1	997.0	3.7	0.3	0.0	1000.6	6
1M	44	17642	-2	1	0	0	1	1031.7	3.7	0.3	0.0	1035.4	6
2	44	24930	-2	1	0	0	2	1457.9	7.1	0.3	0.0	1465.0	6
3	44	13880	-1	1	0	0	1	811.7	5.0	0.2	0.0	816.7	6
4	44	12410	-1	2	0	1	1	725.7	5.3	0.3	0.0	731.0	6
5	44	15350	-1	1	0	0	1	897.7	5.1	0.2	0.0	902.8	6
6	44	28675	-2	1	0	0	1	1676.9	4.6	0.4	0.0	1681.5	6
7	44	15530	-2	2	0	1	1	908.2	3.7	0.3	0.0	911.9	6
8	44	14315	-1	2	0	1	1	837.2	4.4	0.3	0.0	841.5	1
9	44	18170	-2	2	0	1	1	1062.6	3.7	0.3	0.0	1066.3	6
10	44	28835	-2	1	0	0	2	1686.3	6.9	0.3	0.0	1693.2	6
11	44	16180	-1	1	0	0	1	946.2	4.9	0.2	0.0	951.1	6
12	44	15040	-1	2	0	1	1	879.6	5.3	0.3	0.0	884.8	6
13	44	17360	-1	1	0	0	1	1015.2	5.0	0.2	0.0	1020.3	6
14	44	30215	-2	1	0	0	1	1767.0	4.9	0.4	0.0	1771.9	6
15	44	16355	-2	2	0	1	1	956.5	3.8	0.3	0.0	960.2	6
16	44	15605	-1	2	0	1	1	912.6	4.5	0.3	0.0	917.1	1
17	44	18380	-2	1	0	1	1	1074.9	3.7	0.3	0.0	1078.6	6
1A	88	17119	-6	3	0	-1	-1	1001.1	5.6	1.0	0.0	1006.7	1
1E	88	17581	-6	3	0	-1	-1	1028.2	5.6	1.0	0.0	1033.8	1
1I	88	17053	-6	1	0	-0	-1	997.3	4.2	1.0	0.0	1001.5	6
1M	88	17647	-6	1	0	-0	-1	1032.0	4.2	1.0	0.0	1036.2	6
2	88	24930	-12	0	0	0	-1	1457.9	5.6	2.0	0.0	1463.5	6
3	88	13880	-7	1	0	0	-1	811.7	3.4	1.2	0.0	815.1	6
4	88	12410	-7	1	0	0	-1	725.7	3.0	1.2	0.0	728.8	6
5	88	15350	-8	1	0	-0	-1	897.7	3.8	1.3	0.0	901.5	6
6	88	28680	-9	1	0	0	-2	1677.2	6.4	1.5	0.0	1683.6	6
7	88	15530	-6	1	0	-0	-1	908.2	3.9	1.0	0.0	912.1	6
8	88	14320	-5	2	0	0	-1	837.4	3.5	0.9	0.0	840.9	6
9	88	18170	-6	1	0	-0	-1	1062.6	4.5	1.0	0.0	1067.1	6
10	88	28840	-12	0	0	0	-1	1686.6	6.1	2.0	0.0	1692.7	6
11	88	16180	-8	1	0	-0	-1	946.2	3.7	1.3	0.0	949.9	6
12	88	15040	-7	1	0	0	-1	879.6	3.4	1.2	0.0	882.9	6
13	88	17360	-8	1	0	-0	-1	1015.2	4.1	1.3	0.0	1019.3	6
14	88	30220	-10	1	0	0	-2	1767.3	6.4	1.6	0.0	1773.7	6
15	88	16360	-6	1	0	-0	-1	956.7	3.9	1.0	0.0	960.7	6
16	88	15610	-6	2	0	0	-1	912.9	3.5	0.9	0.0	916.4	6
17	88	18380	-6	1	0	-0	-1	1074.9	4.4	1.0	0.0	1079.3	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	17119	1	0	41	27	27	1.00	1.00	1005.0	
1E	17581	1	0	41	27	27	1.00	1.00	1032.1	
1I	17053	0	0	41	27	27	1.00	1.00	1000.1	
1M	17647	0	0	41	27	27	1.00	1.00	1034.9	
2	24930	0	1	41	27	27	1.00	1.00	1463.1	
3	13880	1	0	41	27	27	1.00	1.00	816.3	
4	12410	1	0	41	27	27	1.00	1.00	731.4	
5	15350	1	0	41	27	27	1.00	1.00	902.4	
6	28680	0	1	41	27	27	1.00	1.00	1681.8	
7	15530	1	0	41	27	27	1.00	1.00	913.1	
8	14320	1	0	41	27	27	1.00	1.00	843.3	
9	18170	1	0	41	27	27	1.00	1.00	1067.2	
10	28840	0	1	41	27	27	1.00	1.00	1691.6	
11	16180	1	0	41	27	27	1.00	1.00	950.7	
12	15040	1	0	41	27	27	1.00	1.00	885.2	
13	17360	1	0	41	27	27	1.00	1.00	1019.7	
14	30220	0	1	41	27	27	1.00	1.00	1771.8	
15	16360	1	0	41	27	27	1.00	1.00	961.6	
16	15610	1	0	41	27	27	1.00	1.00	918.8	
17	18380	1	0	41	27	27	1.00	1.00	1079.4	

ASTA NUM. 71 NI 6 NF 59 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.1243	-1.7811	--	--	9.1042	0.1988 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-20901	5	2	0	1	-0	1222.3	2.8	0.9	0.0	1225.1	1	
1E	0	-20439	5	2	0	1	-0	1195.3	2.8	0.9	0.0	1198.1	1	
1I	0	-20967	6	1	0	-0	-1	1226.2	2.2	0.9	0.0	1228.4	6	
1M	0	-20373	6	1	0	-0	-1	1191.4	2.2	0.9	0.0	1193.6	6	
2	0	-29620	3	1	0	-1	-1	1732.2	4.2	0.6	0.0	1736.4	6	
3	0	-19440	2	-0	0	-1	-1	1136.9	4.7	0.4	0.0	1141.6	1	
4	0	-17240	2	-1	0	-1	-0	1008.2	6.2	0.3	0.0	1014.4	1	
5	0	-19090	2	-0	0	-1	-1	1116.4	5.5	0.4	0.0	1121.9	1	
6	0	-33510	8	1	0	-0	-1	1959.7	5.9	1.3	0.0	1965.5	6	
7	0	-22430	5	-1	0	-1	-1	1311.7	6.3	0.8	0.0	1318.0	1	
8	0	-19890	5	-1	0	-2	-1	1163.2	7.3	0.8	0.0	1170.5	1	
9	0	-22160	5	-1	0	-1	-1	1295.9	6.4	0.8	0.0	1302.3	1	
10	0	-30570	4	1	0	-0	-1	1787.8	4.0	0.6	0.0	1791.7	6	
11	0	-19920	2	-0	0	-1	-1	1164.9	4.3	0.4	0.0	1169.3	1	
12	0	-17640	2	-1	0	-1	-0	1031.6	5.9	0.3	0.0	1037.5	1	
13	0	-19770	2	-0	0	-1	-1	1156.2	5.0	0.4	0.0	1161.2	1	
14	0	-31970	8	1	0	-0	-1	1869.6	5.8	1.3	0.0	1875.5	6	
15	0	-21360	5	-1	0	-1	-1	1249.2	6.3	0.8	0.0	1255.4	1	
16	0	-18600	4	-1	0	-2	-1	1087.7	7.5	0.7	0.0	1095.2	1	
17	0	-21340	5	-1	0	-1	-1	1248.0	6.3	0.8	0.0	1254.3	1	
1A	44	-20896	1	2	0	-0	1	1222.0	6.0	0.4	0.0	1228.0	6	
1E	44	-20434	1	2	0	-0	1	1195.0	6.0	0.4	0.0	1201.0	6	
1I	44	-20962	2	1	0	-0	1	1225.9	5.3	0.3	0.0	1231.1	6	
1M	44	-20368	2	1	0	-0	1	1191.1	5.3	0.3	0.0	1196.4	6	
2	44	-29610	3	0	0	-1	0	1731.6	3.7	0.4	0.0	1735.3	1	
3	44	-19430	2	-1	0	-1	0	1136.3	3.5	0.3	0.0	1139.8	1	
4	44	-17230	1	-1	0	-1	0	1007.6	4.3	0.2	0.0	1012.0	1	
5	44	-19085	2	-1	0	-1	0	1116.1	3.9	0.3	0.0	1120.0	1	
6	44	-33505	3	0	0	-1	1	1959.4	5.6	0.5	0.0	1965.0	6	
7	44	-22425	2	-1	0	-1	1	1311.4	4.5	0.4	0.0	1316.0	1	
8	44	-19885	2	-1	0	-1	1	1162.9	5.1	0.3	0.0	1168.0	1	
9	44	-22155	2	-1	0	-1	1	1295.6	4.6	0.4	0.0	1300.3	1	
10	44	-30560	3	0	0	-1	1	1787.2	3.5	0.4	0.0	1790.7	1	
11	44	-19915	2	-0	0	-1	0	1164.6	3.4	0.3	0.0	1168.0	1	
12	44	-17635	1	-1	0	-1	0	1031.3	4.3	0.2	0.0	1035.6	1	
13	44	-19765	2	-1	0	-1	0	1155.9	3.7	0.3	0.0	1159.6	1	
14	44	-31965	3	0	0	-1	1	1869.3	5.9	0.5	0.0	1875.3	6	
15	44	-21355	2	-1	0	-1	1	1248.9	4.5	0.4	0.0	1253.4	1	
16	44	-18595	2	-1	0	-1	1	1087.5	5.3	0.3	0.0	1092.7	1	
17	44	-21335	2	-1	0	-1	1	1247.7	4.5	0.4	0.0	1252.2	1	
1A	88	-20891	-3	2	0	-2	1	1221.7	8.0	0.4	0.0	1229.7	1	
1E	88	-20429	-3	2	0	-2	1	1194.7	8.0	0.4	0.0	1202.7	1	
1I	88	-20957	-2	1	0	-1	1	1225.6	5.3	0.4	0.0	1230.9	6	
1M	88	-20363	-2	1	0	-1	1	1190.8	5.3	0.4	0.0	1196.2	6	
2	88	-29600	2	-0	0	-1	1	1731.0	6.9	0.3	0.0	1737.9	6	
3	88	-19420	1	-1	0	-0	1	1135.7	4.4	0.2	0.0	1140.1	6	
4	88	-17220	1	-1	0	-0	1	1007.0	3.7	0.2	0.0	1010.8	6	
5	88	-19080	1	-1	0	-1	1	1115.8	4.5	0.2	0.0	1120.3	6	
6	88	-33500	-1	0	0	-1	2	1959.1	7.6	0.2	0.0	1966.7	6	
7	88	-22420	-1	-1	0	-0	1	1311.1	4.9	0.1	0.0	1316.1	6	
8	88	-19880	-1	-1	0	-0	1	1162.6	4.2	0.2	0.0	1166.8	6	
9	88	-22150	-0	-1	0	-1	1	1295.4	5.2	0.1	0.0	1300.5	6	
10	88	-30550	2	-0	0	-1	2	1786.6	7.3	0.3	0.0	1793.9	6	
11	88	-19910	1	-1	0	-0	1	1164.4	4.6	0.2	0.0	1169.0	6	
12	88	-17630	1	-1	0	-0	1	1031.0	3.9	0.2	0.0	1035.0	6	
13	88	-19760	1	-1	0	-1	1	1155.6	4.8	0.2	0.0	1160.4	6	
14	88	-31960	-2	0	0	-1	2	1869.0	7.6	0.3	0.0	1876.7	6	
15	88	-21350	-1	-1	0	-0	1	1248.6	4.9	0.1	0.0	1253.4	6	
16	88	-18590	-1	-1	0	-0	1	1087.2	4.1	0.2	0.0	1091.3	6	
17	88	-21330	-0	-1	0	-1	1	1247.4	5.1	0.1	0.0	1252.5	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-20901	1	1	41	27	27	1.22	1.00	1496.5	
1E	-20439	1	1	41	27	27	1.22	1.00	1463.5	
1I	-20967	0	0	41	27	27	1.22	1.00	1499.8	
1M	-20373	0	0	41	27	27	1.22	1.00	1457.4	
2	-29620	1	1	41	27	27	1.22	1.00	2118.5	
3	-19440	1	0	41	27	27	1.22	1.00	1391.7	
4	-17240	1	0	41	27	27	1.22	1.00	1235.5	
5	-19090	1	0	41	27	27	1.22	1.00	1367.2	
6	-33510	1	1	41	27	27	1.22	1.00	2396.3	
7	-22430	1	0	41	27	27	1.22	1.00	1606.0	
8	-19890	1	0	41	27	27	1.22	1.00	1425.2	
9	-22160	1	0	41	27	27	1.22	1.00	1586.9	
10	-30570	1	1	41	27	27	1.22	1.00	2186.2	
11	-19920	1	0	41	27	27	1.22	1.00	1425.8	
12	-17640	1	0	41	27	27	1.22	1.00	1264.0	
13	-19770	1	0	41	27	27	1.22	1.00	1415.5	
14	-31970	1	1	41	27	27	1.22	1.00	2286.4	
15	-21360	1	0	41	27	27	1.22	1.00	1529.6	
16	-18600	1	0	41	27	27	1.22	1.00	1333.3	
17	-21340	1	0	41	27	27	1.22	1.00	1528.2	

ASTA NUM. 72 NI 59 NF 50 Lungh. 88.5 cm SEZ. 2 Ps L 110X 8

qy medio cond.:

A	B	C	D	E	F	G	H	p.p. y	qy tot.
--	--	--	--	-7.1243	-1.7811	--	--	9.1042	0.1988 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-20859	2	2	0	1	1	1219.8	5.1	0.4	0.0	1225.0	6	
1E	0	-20401	2	2	0	1	1	1193.1	5.1	0.4	0.0	1198.2	6	
1I	0	-20924	2	0	0	-0	1	1223.7	4.4	0.4	0.0	1228.0	6	
1M	0	-20336	2	0	0	-0	1	1189.3	4.4	0.4	0.0	1193.6	6	
2	0	-29560	1	-0	0	-1	1	1728.7	6.9	0.1	0.0	1735.6	6	
3	0	-19400	0	-1	0	-0	1	1134.5	4.4	0.2	0.0	1138.9	6	
4	0	-17200	1	-2	0	-0	1	1005.9	3.8	0.3	0.0	1009.6	6	
5	0	-19050	0	-1	0	-1	1	1114.1	4.6	0.2	0.0	1118.6	6	
6	0	-33450	3	-0	0	-1	2	1956.2	7.7	0.4	0.0	1963.9	6	
7	0	-22390	2	-1	0	-0	1	1309.4	4.9	0.3	0.0	1314.3	6	
8	0	-19850	2	-2	0	-0	1	1160.8	4.2	0.3	0.0	1165.1	6	
9	0	-22120	1	-1	0	-1	1	1293.6	5.2	0.2	0.0	1298.8	6	
10	0	-30500	1	-0	0	-1	2	1783.7	7.4	0.1	0.0	1791.0	6	
11	0	-19880	0	-1	0	-0	1	1162.6	4.6	0.1	0.0	1167.2	6	
12	0	-17600	0	-2	0	-0	1	1029.3	4.0	0.3	0.0	1033.2	6	
13	0	-19730	0	-1	0	-1	1	1153.8	4.8	0.1	0.0	1158.6	6	
14	0	-31910	3	-0	0	-1	2	1866.1	7.7	0.5	0.0	1873.8	6	
15	0	-21330	1	-1	0	-0	1	1247.4	4.9	0.2	0.0	1252.3	6	
16	0	-18560	2	-2	0	-0	1	1085.4	4.1	0.3	0.0	1089.5	6	
17	0	-21300	1	-1	0	-1	1	1245.6	5.2	0.2	0.0	1250.8	6	
1A	44	-20854	-2	2	0	-0	1	1219.5	5.0	0.3	0.0	1224.5	6	
1E	44	-20396	-2	2	0	-0	1	1192.8	5.0	0.3	0.0	1197.7	6	
1I	44	-20919	-2	0	0	-0	1	1223.4	4.8	0.3	0.0	1228.2	6	
1M	44	-20331	-2	0	0	-0	1	1189.0	4.8	0.3	0.0	1193.8	6	
2	44	-29550	-0	-1	0	-0	2	1728.1	7.1	0.2	0.0	1735.2	6	
3	44	-19390	-0	-1	0	0	1	1133.9	4.1	0.2	0.0	1138.0	6	
4	44	-17190	0	-2	0	0	1	1005.3	4.4	0.3	0.0	1009.7	6	
5	44	-19045	-0	-1	0	0	1	1113.8	3.9	0.2	0.0	1117.7	6	
6	44	-33445	-2	-1	0	-1	2	1955.9	8.0	0.3	0.0	1963.9	6	
7	44	-22385	-1	-1	0	0	1	1309.1	4.5	0.2	0.0	1313.6	6	
8	44	-19845	-1	-2	0	0	1	1160.6	4.8	0.3	0.0	1165.4	6	
9	44	-22115	-1	-1	0	-0	1	1293.3	4.3	0.2	0.0	1297.6	6	
10	44	-30490	-0	-1	0	-0	2	1783.1	7.3	0.1	0.0	1790.4	6	
11	44	-19870	-0	-1	0	-0	1	1162.0	4.1	0.2	0.0	1166.1	6	
12	44	-17595	-0	-2	0	0	1	1029.0	4.3	0.3	0.0	1033.3	6	
13	44	-19725	-0	-1	0	-0	1	1153.5	4.0	0.2	0.0	1157.5	6	
14	44	-31905	-2	-1	0	-1	2	1865.8	8.2	0.3	0.0	1874.0	6	
15	44	-21325	-1	-1	0	0	1	1247.1	4.5	0.2	0.0	1251.6	6	
16	44	-18555	-1	-2	0	0	1	1085.1	4.7	0.3	0.0	1089.8	6	
17	44	-21295	-1	-1	0	-0	1	1245.4	4.3	0.2	0.0	1249.6	6	
1A	88	-20849	-6	2	0	-1	-0	1219.3	4.1	0.9	0.0	1223.4	1	
1E	88	-20391	-6	2	0	-1	-0	1192.5	4.1	0.9	0.0	1196.6	1	
1I	88	-20914	-6	0	0	-0	-1	1223.1	3.0	1.0	0.0	1226.1	6	
1M	88	-20326	-6	0	0	-0	-1	1188.7	3.0	1.0	0.0	1191.7	6	
2	88	-29540	-1	-2	0	0	1	1727.5	5.8	0.3	0.0	1733.4	6	
3	88	-19380	-1	-2	0	1	1	1133.4	4.4	0.3	0.0	1137.7	6	
4	88	-17180	-1	-2	0	1	1	1004.7	6.7	0.4	0.0	1011.4	1	
5	88	-19040	-1	-2	0	1	1	1113.5	4.1	0.3	0.0	1117.5	1	
6	88	-33440	-6	-1	0	-0	-0	1955.6	1.1	1.0	0.0	1956.7	1	
7	88	-22380	-4	-1	0	1	-0	1308.8	3.1	0.7	0.0	1311.9	1	
8	88	-19840	-4	-2	0	1	-0	1160.3	5.5	0.6	0.0	1165.7	1	
9	88	-22110	-4	-1	0	1	-0	1293.0	2.6	0.7	0.0	1295.6	1	
10	88	-30480	-1	-1	0	0	1	1782.5	5.2	0.2	0.0	1787.7	6	
11	88	-19860	-1	-1	0	1	1	1161.4	4.0	0.2	0.0	1165.4	6	
12	88	-17590	-1	-2	0	1	1	1028.7	6.3	0.4	0.0	1035.0	1	
13	88	-19720	-1	-2	0	1	1	1153.2	3.7	0.3	0.0	1156.9	6	
14	88	-31900	-7	-1	0	-0	-0	1865.5	1.0	1.1	0.0	1866.6	1	
15	88	-21320	-4	-1	0	1	-0	1246.8	3.2	0.7	0.0	1250.0	1	
16	88	-18550	-4	-2	0	1	-0	1084.8	6.0	0.6	0.0	1090.8	1	
17	88	-21290	-4	-1	0	1	-0	1245.1	2.6	0.7	0.0	1247.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-20859	0	0	41	27	27	1.22	1.00	1491.4	
1E	-20401	0	0	41	27	27	1.22	1.00	1458.8	
1I	-20924	0	0	41	27	27	1.22	1.00	1495.7	
1M	-20336	0	0	41	27	27	1.22	1.00	1453.7	
2	-29560	0	1	41	27	27	1.22	1.00	2116.6	
3	-19400	0	1	41	27	27	1.22	1.00	1389.0	
4	-17200	1	1	41	27	27	1.22	1.00	1233.3	
5	-19050	0	1	41	27	27	1.22	1.00	1364.0	
6	-33450	1	1	41	27	27	1.22	1.00	2393.0	
7	-22390	0	1	41	27	27	1.22	1.00	1601.1	
8	-19850	1	0	41	27	27	1.22	1.00	1421.0	
9	-22120	0	1	41	27	27	1.22	1.00	1581.5	
10	-30500	0	1	41	27	27	1.22	1.00	2184.2	
11	-19880	0	1	41	27	27	1.22	1.00	1423.1	
12	-17600	1	1	41	27	27	1.22	1.00	1261.6	
13	-19730	0	1	41	27	27	1.22	1.00	1412.3	
14	-31910	1	1	41	27	27	1.22	1.00	2283.0	
15	-21330	0	1	41	27	27	1.22	1.00	1525.4	
16	-18560	1	0	41	27	27	1.22	1.00	1329.0	
17	-21300	0	1	41	27	27	1.22	1.00	1522.9	

ASTA NUM. 73 NI 87 NF 56 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:

A	B	C	D	E	F	G	H	p.p. y	qy tot.
--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	28270	-6	-1	0	-0	3	1032.1	7.0	0.6	0.0	1039.1	6	
1E	0	29490	-6	-1	0	-0	3	1076.7	7.0	0.6	0.0	1083.7	6	
1I	0	28481	-7	-1	0	-0	3	1039.8	7.4	0.7	0.0	1047.2	6	
1M	0	29279	-7	-1	0	-0	3	1069.0	7.4	0.7	0.0	1076.4	6	
2	0	41630	10	2	0	2	-5	1519.9	10.8	1.0	0.0	1530.7	6	
3	0	28900	6	1	0	1	-3	1055.1	6.7	0.6	0.0	1061.8	6	
4	0	26540	6	1	0	1	-3	969.0	7.0	0.6	0.0	976.0	6	
5	0	29370	6	1	0	1	-3	1072.3	6.9	0.6	0.0	1079.2	6	
6	0	47010	-2	-2	0	-1	1	1716.3	3.4	0.2	0.0	1719.7	6	
7	0	33840	-1	-1	0	-0	1	1235.5	2.2	0.1	0.0	1237.7	6	
8	0	30790	-1	-1	0	-0	1	1124.1	1.8	0.1	0.0	1126.0	6	
9	0	34450	-1	-1	0	-1	1	1257.8	2.0	0.1	0.0	1259.7	6	
10	0	46930	9	2	0	2	-4	1713.4	10.6	0.9	0.0	1724.0	6	
11	0	31650	6	1	0	1	-3	1155.5	6.6	0.6	0.0	1162.1	6	
12	0	29670	6	1	0	1	-3	1083.2	6.9	0.6	0.0	1090.2	6	
13	0	32230	6	1	0	1	-3	1176.7	6.8	0.6	0.0	1183.5	6	
14	0	50370	-2	-3	0	-1	2	1839.0	3.8	0.2	0.0	1842.8	6	
15	0	35450	-1	-1	0	-0	1	1294.3	2.2	0.1	0.0	1296.5	6	
16	0	32610	-1	-1	0	-0	1	1190.6	1.8	0.1	0.0	1192.4	6	
17	0	35790	-1	-1	0	-1	1	1306.7	1.9	0.1	0.0	1308.6	6	
1A	33	28280	-8	-1	0	-0	1	1032.5	2.0	0.8	0.0	1034.5	6	
1E	33	29500	-8	-1	0	-0	1	1077.0	2.0	0.8	0.0	1079.1	6	
1I	33	28491	-8	-1	0	-0	1	1040.2	1.9	0.8	0.0	1042.1	6	
1M	33	29289	-8	-1	0	-0	1	1069.3	1.9	0.8	0.0	1071.2	6	
2	33	41640	14	4	0	1	-0	1520.3	1.5	1.4	0.0	1521.7	1	
3	33	28905	9	3	0	0	-0	1055.3	0.7	0.9	0.0	1056.0	6	
4	33	26545	9	3	0	0	-0	969.1	0.9	0.9	0.0	970.1	6	
5	33	29380	9	3	0	0	-0	1072.7	0.9	0.9	0.0	1073.5	6	
6	33	47020	-2	-2	0	0	1	1716.7	1.7	0.2	0.0	1718.4	6	
7	33	33845	-1	-1	0	-0	1	1235.7	1.2	0.1	0.0	1236.9	6	
8	33	30800	-1	-1	0	-0	0	1124.5	0.9	0.1	0.0	1125.4	6	
9	33	34460	-1	-1	0	-0	0	1258.1	1.0	0.1	0.0	1259.1	6	
10	33	46940	14	4	0	1	-1	1713.8	1.6	1.4	0.0	1715.4	1	
11	33	31660	9	3	0	0	-0	1155.9	0.8	0.9	0.0	1156.7	6	
12	33	29680	9	3	0	0	-0	1083.6	1.1	0.9	0.0	1084.7	6	
13	33	32235	9	3	0	0	-0	1176.9	1.0	0.9	0.0	1177.9	6	
14	33	50380	-3	-2	0	0	1	1839.4	1.7	0.3	0.0	1841.1	6	
15	33	35455	-1	-1	0	-0	1	1294.5	1.1	0.1	0.0	1295.6	6	
16	33	32620	-1	-1	0	-0	0	1190.9	0.8	0.1	0.0	1191.7	6	
17	33	35795	-1	-1	0	-0	0	1306.9	0.9	0.1	0.0	1307.8	6	
1A	67	28290	-9	-1	0	-0	-2	1032.8	4.2	0.9	0.0	1037.0	6	
1E	67	29510	-9	-1	0	-0	-2	1077.4	4.2	0.9	0.0	1081.6	6	
1I	67	28501	-10	-1	0	0	-2	1040.6	4.9	1.0	0.0	1045.5	6	
1M	67	29299	-10	-1	0	0	-2	1069.7	4.9	1.0	0.0	1074.6	6	
2	67	41650	19	7	0	-1	5	1520.6	12.0	1.9	0.0	1532.6	6	
3	67	28910	12	4	0	-1	3	1055.5	7.8	1.2	0.0	1063.2	6	
4	67	26550	12	4	0	-1	3	969.3	7.6	1.2	0.0	977.0	6	
5	67	29390	12	4	0	-1	3	1073.0	7.6	1.2	0.0	1080.7	6	
6	67	47030	-3	-1	0	0	-0	1717.0	1.1	0.3	0.0	1718.2	1	
7	67	33850	-2	-0	0	0	0	1235.9	0.3	0.2	0.0	1236.1	1	
8	67	30810	-1	-0	0	0	-0	1124.9	0.4	0.1	0.0	1125.3	1	
9	67	34470	-2	-1	0	0	-0	1258.5	0.2	0.2	0.0	1258.7	1	
10	67	46950	18	7	0	-1	5	1714.1	11.4	1.8	0.0	1725.5	6	
11	67	31670	12	4	0	-1	3	1156.3	7.4	1.1	0.0	1163.7	6	
12	67	29690	12	4	0	-1	3	1084.0	7.2	1.2	0.0	1091.2	6	
13	67	32240	12	4	0	-1	3	1177.1	7.3	1.2	0.0	1184.4	6	
14	67	50390	-4	-1	0	1	-0	1839.7	1.5	0.4	0.0	1841.3	1	
15	67	35460	-2	-1	0	0	0	1294.6	0.3	0.2	0.0	1294.9	1	
16	67	32630	-2	-1	0	0	-0	1191.3	0.6	0.2	0.0	1191.9	1	
17	67	35800	-2	-1	0	0	-0	1307.0	0.3	0.2	0.0	1307.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28290	0	1	17	17	17	1.00	1.00	1036.1	
1E	29510	0	1	17	17	17	1.00	1.00	1080.7	
1I	28501	0	1	17	17	17	1.00	1.00	1043.7	
1M	29299	0	1	17	17	17	1.00	1.00	1072.9	
2	41650	1	2	17	17	17	1.00	1.00	1526.3	
3	28910	0	1	17	17	17	1.00	1.00	1059.1	
4	26550	0	1	17	17	17	1.00	1.00	972.9	
5	29390	0	1	17	17	17	1.00	1.00	1076.6	
6	47030	0	1	17	17	17	1.00	1.00	1719.2	
7	33850	0	1	17	17	17	1.00	1.00	1237.5	
8	30810	0	0	17	17	17	1.00	1.00	1126.1	
9	34470	0	0	17	17	17	1.00	1.00	1260.0	
10	46950	1	2	17	17	17	1.00	1.00	1719.6	
11	31670	0	1	17	17	17	1.00	1.00	1159.7	
12	29690	0	1	17	17	17	1.00	1.00	1087.3	
13	32240	0	1	17	17	17	1.00	1.00	1180.5	
14	50390	0	1	17	17	17	1.00	1.00	1842.0	
15	35460	0	1	17	17	17	1.00	1.00	1296.2	
16	32630	0	0	17	17	17	1.00	1.00	1192.5	
17	35800	0	0	17	17	17	1.00	1.00	1308.5	

ASTA NUM. 74 NI 88 NF 57 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	23690	-6	4	0	1	3	864.9	7.6	0.6	0.0	872.5	6	
1E	0	24910	-6	4	0	1	3	909.5	7.6	0.6	0.0	917.1	6	
1I	0	23901	-7	4	0	1	3	872.6	8.2	0.7	0.0	880.8	6	
1M	0	24699	-7	4	0	1	3	901.8	8.2	0.7	0.0	910.0	6	
2	0	33990	10	-2	0	-2	-4	1241.0	10.8	1.0	0.0	1251.7	6	
3	0	15980	6	-1	0	-1	-3	583.4	6.9	0.6	0.0	590.3	6	
4	0	15600	6	-1	0	-1	-3	569.6	6.8	0.6	0.0	576.4	6	
5	0	13100	6	-1	0	-1	-3	478.3	7.0	0.6	0.0	485.3	6	
6	0	40640	-2	2	0	0	2	1483.8	3.5	0.2	0.0	1487.3	6	
7	0	17180	-1	1	0	0	1	627.2	2.0	0.1	0.0	629.2	6	
8	0	19020	-1	1	0	0	1	694.4	2.2	0.1	0.0	696.6	6	
9	0	16080	-1	1	0	-0	1	587.1	1.9	0.1	0.0	589.0	6	
10	0	40790	9	-2	0	-2	-4	1489.2	10.4	0.9	0.0	1499.7	6	
11	0	19670	6	-1	0	-1	-3	718.1	6.7	0.6	0.0	724.8	6	
12	0	19410	6	-1	0	-1	-3	708.7	6.7	0.6	0.0	715.3	6	
13	0	16690	6	-1	0	-1	-3	609.3	6.9	0.6	0.0	616.2	6	
14	0	44000	-2	2	0	0	2	1606.4	3.9	0.2	0.0	1610.3	6	
15	0	18800	-1	1	0	0	1	686.4	2.0	0.1	0.0	688.3	6	
16	0	20410	-1	1	0	0	1	745.2	2.1	0.1	0.0	747.3	6	
17	0	17070	-1	1	0	-0	1	623.2	1.9	0.1	0.0	625.1	6	
1A	33	23695	-8	4	0	-0	1	865.1	2.2	0.8	0.0	867.3	6	
1E	33	24915	-8	4	0	-0	1	909.7	2.2	0.8	0.0	911.8	6	
1I	33	23906	-8	4	0	-0	1	872.8	2.0	0.8	0.0	874.8	6	
1M	33	24704	-8	4	0	-0	1	902.0	2.0	0.8	0.0	904.0	6	
2	33	34000	14	-5	0	-1	-0	1241.3	1.8	1.4	0.0	1243.1	1	
3	33	15985	9	-3	0	-1	-0	583.6	1.3	0.9	0.0	584.9	1	
4	33	15605	9	-3	0	-1	-0	569.7	1.2	0.9	0.0	571.0	1	
5	33	13110	9	-3	0	-1	-0	478.6	1.6	0.9	0.0	480.3	1	
6	33	40650	-2	1	0	-0	1	1484.1	2.0	0.2	0.0	1486.1	6	
7	33	17185	-1	1	0	-0	1	627.4	1.4	0.1	0.0	628.9	6	
8	33	19025	-1	1	0	-0	1	694.6	1.5	0.1	0.0	696.1	6	
9	33	16085	-2	1	0	-0	0	587.3	1.3	0.1	0.0	588.6	6	
10	33	40800	14	-4	0	-1	-0	1489.6	1.8	1.4	0.0	1491.4	1	
11	33	19680	9	-3	0	-1	-0	718.5	1.3	0.9	0.0	719.8	1	
12	33	19415	9	-3	0	-1	-0	708.8	1.3	0.9	0.0	710.1	1	
13	33	16695	9	-3	0	-1	-0	609.5	1.6	0.9	0.0	611.1	1	
14	33	44010	-3	2	0	-0	1	1606.8	2.0	0.3	0.0	1608.8	6	
15	33	18805	-1	1	0	-0	1	686.6	1.4	0.1	0.0	687.9	6	
16	33	20415	-1	1	0	-0	1	745.3	1.3	0.1	0.0	746.7	6	
17	33	17075	-2	1	0	-0	0	623.4	1.3	0.1	0.0	624.7	6	
1A	67	23700	-9	4	0	-2	-2	865.3	5.4	0.9	0.0	870.7	6	
1E	67	24920	-9	4	0	-2	-2	909.8	5.4	0.9	0.0	915.2	6	
1I	67	23911	-10	4	0	-1	-2	873.0	5.7	1.0	0.0	878.7	6	
1M	67	24709	-10	4	0	-1	-2	902.1	5.7	1.0	0.0	907.8	6	
2	67	34010	19	-7	0	1	5	1241.7	11.8	1.8	0.0	1253.5	6	
3	67	15990	12	-5	0	1	3	583.8	7.5	1.2	0.0	591.3	6	
4	67	15610	12	-5	0	1	3	569.9	7.5	1.2	0.0	577.4	6	
5	67	13120	12	-5	0	1	3	479.0	7.1	1.2	0.0	486.1	6	
6	67	40660	-3	1	0	-1	-0	1484.5	1.2	0.3	0.0	1485.7	1	
7	67	17190	-2	0	0	-0	0	627.6	1.1	0.2	0.0	628.7	1	
8	67	19030	-2	0	0	-0	0	694.8	1.0	0.2	0.0	695.8	1	
9	67	16090	-2	0	0	-1	-0	587.4	1.4	0.2	0.0	588.8	1	
10	67	40810	18	-7	0	1	5	1490.0	11.4	1.8	0.0	1501.4	6	
11	67	19690	12	-4	0	1	3	718.9	7.3	1.1	0.0	726.2	6	
12	67	19420	12	-4	0	1	3	709.0	7.2	1.1	0.0	716.3	6	
13	67	16700	12	-4	0	1	3	609.7	6.9	1.1	0.0	616.6	6	
14	67	44020	-4	1	0	-1	-0	1607.2	1.7	0.4	0.0	1608.8	1	
15	67	18810	-2	1	0	-1	0	686.7	1.1	0.2	0.0	687.9	1	
16	67	20420	-2	1	0	-0	-0	745.5	1.0	0.2	0.0	746.6	1	
17	67	17080	-2	1	0	-1	-0	623.6	1.4	0.2	0.0	625.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	23700	1	1	17	17	17	1.00	1.00	869.3	
1E	24920	1	1	17	17	17	1.00	1.00	913.9	
1I	23911	1	1	17	17	17	1.00	1.00	877.0	
1M	24709	1	1	17	17	17	1.00	1.00	906.2	
2	34010	1	2	17	17	17	1.00	1.00	1247.5	
3	15990	0	1	17	17	17	1.00	1.00	587.6	
4	15610	0	1	17	17	17	1.00	1.00	573.7	
5	13120	1	1	17	17	17	1.00	1.00	482.8	
6	40660	0	1	17	17	17	1.00	1.00	1486.9	
7	17190	0	1	17	17	17	1.00	1.00	629.4	
8	19030	0	1	17	17	17	1.00	1.00	696.5	
9	16090	0	1	17	17	17	1.00	1.00	589.3	
10	40810	1	2	17	17	17	1.00	1.00	1495.6	
11	19690	0	1	17	17	17	1.00	1.00	722.6	
12	19420	0	1	17	17	17	1.00	1.00	712.7	
13	16700	1	1	17	17	17	1.00	1.00	613.4	
14	44020	0	1	17	17	17	1.00	1.00	1609.7	
15	18810	0	1	17	17	17	1.00	1.00	688.5	
16	20420	0	1	17	17	17	1.00	1.00	747.2	
17	17080	0	0	17	17	17	1.00	1.00	625.4	

ASTA NUM. 75 NI 6 NF 90 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-35126	4	5	0	3	-1	1282.4	6.4	0.5	0.0	1288.9	1	
1E	0	-33734	4	5	0	3	-1	1231.6	6.4	0.5	0.0	1238.1	1	
1I	0	-34834	2	5	0	3	-1	1271.8	6.3	0.5	0.0	1278.1	1	
1M	0	-34026	2	5	0	3	-1	1242.3	6.3	0.5	0.0	1248.6	1	
2	0	-45780	40	16	0	6	-13	1671.4	32.3	4.0	0.0	1703.7	6	
3	0	-27640	25	10	0	4	-8	1009.1	19.8	2.5	0.0	1028.9	6	
4	0	-29970	25	10	0	4	-8	1094.2	19.4	2.4	0.0	1113.6	6	
5	0	-27200	25	10	0	4	-8	993.1	19.4	2.4	0.0	1012.4	6	
6	0	-55350	17	8	0	4	-7	2020.8	17.4	1.6	0.0	2038.3	6	
7	0	-33440	10	5	0	3	-4	1220.9	10.3	1.0	0.0	1231.2	6	
8	0	-36510	10	5	0	2	-4	1333.0	10.0	1.0	0.0	1343.0	6	
9	0	-33390	10	5	0	3	-4	1219.1	10.0	1.0	0.0	1229.1	6	
10	0	-48480	40	16	0	6	-13	1770.0	33.0	4.0	0.0	1803.0	6	
11	0	-29140	25	10	0	4	-8	1063.9	20.1	2.5	0.0	1084.0	6	
12	0	-32080	25	10	0	4	-8	1171.2	19.9	2.4	0.0	1191.1	6	
13	0	-28430	25	10	0	4	-8	1038.0	19.7	2.4	0.0	1057.7	6	
14	0	-52050	17	8	0	4	-7	1900.3	17.3	1.7	0.0	1917.6	6	
15	0	-31140	10	5	0	2	-4	1136.9	10.0	1.0	0.0	1147.0	6	
16	0	-35120	10	5	0	2	-4	1282.2	9.9	1.0	0.0	1292.1	6	
17	0	-30460	10	5	0	2	-4	1112.1	9.6	1.0	0.0	1121.7	6	
1A	33	-35121	2	5	0	1	0	1282.3	2.3	0.5	0.0	1284.6	1	
1E	33	-33729	2	5	0	1	0	1231.4	2.3	0.5	0.0	1233.8	1	
1I	33	-34829	0	5	0	1	-1	1271.6	2.7	0.5	0.0	1274.4	1	
1M	33	-34021	0	5	0	1	-1	1242.1	2.7	0.5	0.0	1244.8	1	
2	33	-45770	31	13	0	1	-1	1671.0	3.2	3.0	0.0	1674.3	6	
3	33	-27635	19	8	0	1	-1	1008.9	1.8	1.9	0.0	1010.7	1	
4	33	-29965	19	8	0	1	-0	1094.0	1.8	1.9	0.0	1095.8	1	
5	33	-27195	19	8	0	1	-0	992.9	1.7	1.9	0.0	994.5	1	
6	33	-55340	13	7	0	1	-2	2020.4	5.1	1.2	0.0	2025.5	6	

7	33	-33435	8	5	0	1	-1	1220.7	2.6	0.8	0.0	1223.3	6
8	33	-36500	8	4	0	1	-1	1332.6	2.6	0.7	0.0	1335.2	1
9	33	-33385	8	5	0	1	-1	1218.9	2.5	0.7	0.0	1221.4	1
10	33	-48470	31	14	0	1	-1	1769.6	3.8	3.0	0.0	1773.4	6
11	33	-29135	19	9	0	1	-1	1063.7	2.0	1.9	0.0	1065.7	1
12	33	-32075	19	8	0	1	-1	1171.0	2.0	1.9	0.0	1173.1	1
13	33	-28425	19	9	0	1	-1	1037.8	1.8	1.9	0.0	1039.6	1
14	33	-52035	13	7	0	1	-2	1899.8	4.8	1.2	0.0	1904.5	6
15	33	-31135	8	5	0	1	-1	1136.7	2.5	0.7	0.0	1139.2	6
16	33	-35115	7	4	0	1	-1	1282.0	2.6	0.7	0.0	1284.6	1
17	33	-30455	7	5	0	1	-1	1111.9	2.3	0.7	0.0	1114.2	1
1A	67	-35116	1	5	0	-1	1	1282.1	2.4	0.5	0.0	1284.5	6
1E	67	-33724	1	5	0	-1	1	1231.3	2.4	0.5	0.0	1233.6	6
1I	67	-34824	-2	5	0	-1	-1	1271.4	2.9	0.5	0.0	1274.4	6
1M	67	-34016	-2	5	0	-1	-1	1241.9	2.9	0.5	0.0	1244.8	6
2	67	-45760	21	11	0	-3	8	1670.7	18.5	2.1	0.0	1689.2	6
3	67	-27630	13	7	0	-2	5	1008.8	11.9	1.3	0.0	1020.7	6
4	67	-29960	13	7	0	-2	5	1093.8	11.9	1.3	0.0	1105.7	6
5	67	-27190	13	7	0	-2	5	992.7	12.0	1.3	0.0	1004.7	6
6	67	-55330	8	7	0	-1	2	2020.1	4.1	0.8	0.0	2024.2	6
7	67	-33430	5	4	0	-1	1	1220.5	3.1	0.5	0.0	1223.6	6
8	67	-36490	5	4	0	-0	1	1332.2	3.0	0.5	0.0	1335.2	6
9	67	-33380	5	4	0	-1	1	1218.7	3.1	0.5	0.0	1221.8	6
10	67	-48460	22	11	0	-3	7	1769.3	18.1	2.1	0.0	1787.3	6
11	67	-29130	13	7	0	-2	5	1063.5	11.7	1.3	0.0	1075.2	6
12	67	-32070	13	7	0	-2	5	1170.9	11.6	1.3	0.0	1182.4	6
13	67	-28420	13	7	0	-2	5	1037.6	11.8	1.3	0.0	1049.4	6
14	67	-52020	8	7	0	-1	2	1899.2	4.5	0.8	0.0	1903.7	6
15	67	-31130	5	4	0	-1	1	1136.5	3.2	0.5	0.0	1139.7	6
16	67	-35110	5	4	0	-0	1	1281.9	2.9	0.5	0.0	1284.8	6
17	67	-30450	5	4	0	-1	1	1111.7	3.3	0.5	0.0	1115.0	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-35126	1	0	17	17	17	1.01	1.00	1299.2	
1E	-33734	1	0	17	17	17	1.01	1.00	1247.9	
1I	-34834	1	1	17	17	17	1.01	1.00	1289.6	
1M	-34026	1	1	17	17	17	1.01	1.00	1259.8	
2	-45780	2	5	17	17	17	1.01	1.00	1704.5	
3	-27640	1	3	17	17	17	1.01	1.00	1029.2	
4	-29970	1	3	17	17	17	1.01	1.00	1115.0	
5	-27200	1	3	17	17	17	1.01	1.00	1012.8	
6	-55350	2	3	17	17	17	1.01	1.00	2052.7	
7	-33440	1	2	17	17	17	1.01	1.00	1239.8	
8	-36510	1	2	17	17	17	1.01	1.00	1352.9	
9	-33390	1	2	17	17	17	1.01	1.00	1237.7	
10	-48480	2	5	17	17	17	1.01	1.00	1804.5	
11	-29140	2	3	17	17	17	1.01	1.00	1084.7	
12	-32080	2	3	17	17	17	1.01	1.00	1193.1	
13	-28430	2	3	17	17	17	1.01	1.00	1058.3	
14	-52050	2	3	17	17	17	1.01	1.00	1930.6	
15	-31140	1	2	17	17	17	1.01	1.00	1154.7	
16	-35120	1	2	17	17	17	1.01	1.00	1301.5	
17	-30460	1	2	17	17	17	1.01	1.00	1129.3	

ASTA NUM. 76 NI 89 NF 55 Lungh. 67.0 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-30690	-1	2	0	1	1	1120.5	2.4	0.2	0.0	1122.9	6	
1E	0	-29470	-1	2	0	1	1	1075.9	2.4	0.2	0.0	1078.3	6	
1I	0	-30479	-2	2	0	1	1	1112.8	3.0	0.2	0.0	1115.8	6	
1M	0	-29681	-2	2	0	1	1	1083.6	3.0	0.2	0.0	1086.6	6	
2	0	-41120	-13	6	0	3	8	1501.3	18.7	1.3	0.0	1520.0	6	
3	0	-21790	-8	4	0	2	5	795.5	11.9	0.8	0.0	807.5	6	
4	0	-18500	-8	4	0	2	5	675.4	11.9	0.8	0.0	687.4	6	
5	0	-23560	-8	4	0	2	5	860.2	11.4	0.8	0.0	871.6	6	
6	0	-49450	-1	2	0	1	2	1805.4	4.2	0.2	0.0	1809.6	6	
7	0	-25180	-1	1	0	1	1	919.3	2.9	0.1	0.0	922.3	6	
8	0	-22490	-1	1	0	1	1	821.1	2.9	0.1	0.0	824.0	6	
9	0	-29100	-1	1	0	1	1	1062.4	2.2	0.1	0.0	1064.6	6	
10	0	-42740	-13	6	0	3	7	1560.4	18.3	1.3	0.0	1578.7	6	
11	0	-22610	-8	4	0	2	5	825.5	11.7	0.8	0.0	837.2	6	
12	0	-19680	-8	4	0	2	5	718.5	11.7	0.8	0.0	730.2	6	
13	0	-24000	-8	4	0	2	5	876.2	11.2	0.8	0.0	887.5	6	
14	0	-46090	-2	2	0	1	2	1682.7	4.5	0.2	0.0	1687.3	6	
15	0	-22850	-1	2	0	1	1	834.2	3.0	0.2	0.0	837.3	6	
16	0	-20670	-1	2	0	1	1	754.7	2.9	0.1	0.0	757.6	6	
17	0	-25950	-1	1	0	1	1	947.4	2.4	0.1	0.0	949.8	6	
1A	33	-30685	-3	2	0	-0	0	1120.3	0.7	0.3	0.0	1121.0	1	
1E	33	-29465	-3	2	0	-0	0	1075.7	0.7	0.3	0.0	1076.4	1	
1I	33	-30474	-4	2	0	-0	0	1112.6	0.4	0.4	0.0	1113.0	6	
1M	33	-29676	-4	2	0	-0	0	1083.5	0.4	0.4	0.0	1083.9	6	
2	33	-41115	-22	9	0	1	2	1501.1	4.2	2.2	0.0	1505.3	6	
3	33	-21785	-14	6	0	0	1	795.4	2.7	1.4	0.0	798.1	6	
4	33	-18495	-14	6	0	0	1	675.2	2.7	1.4	0.0	678.0	6	
5	33	-23555	-14	6	0	0	1	860.0	2.2	1.4	0.0	862.2	6	
6	33	-49440	-6	3	0	0	0	1805.0	1.0	0.6	0.0	1806.0	6	
7	33	-25175	-4	2	0	0	0	919.1	0.7	0.4	0.0	919.9	6	
8	33	-22485	-4	2	0	0	0	820.9	0.8	0.4	0.0	821.7	6	
9	33	-29095	-4	2	0	-0	0	1062.2	0.1	0.4	0.0	1062.4	6	
10	33	-42730	-22	9	0	1	2	1560.1	3.9	2.2	0.0	1564.0	6	
11	33	-22605	-14	6	0	0	1	825.3	2.5	1.4	0.0	827.8	6	
12	33	-19675	-14	6	0	0	1	718.3	2.5	1.4	0.0	720.9	6	
13	33	-23995	-14	6	0	0	1	876.0	2.1	1.4	0.0	878.1	6	
14	33	-46080	-6	3	0	0	0	1682.4	1.0	0.6	0.0	1683.4	6	
15	33	-22845	-4	2	0	0	0	834.1	0.7	0.4	0.0	834.7	6	
16	33	-20665	-4	2	0	0	0	754.5	0.7	0.4	0.0	755.1	6	
17	33	-25945	-4	2	0	-0	0	947.2	0.1	0.4	0.0	947.4	6	
1A	67	-30680	-5	2	0	-1	-1	1120.1	3.3	0.5	0.0	1123.5	6	
1E	67	-29460	-5	2	0	-1	-1	1075.6	3.3	0.5	0.0	1078.9	6	
1I	67	-30469	-6	2	0	-1	-1	1112.4	3.6	0.5	0.0	1116.1	6	
1M	67	-29671	-6	2	0	-1	-1	1083.3	3.6	0.5	0.0	1086.9	6	
2	67	-41110	-32	11	0	-3	-7	1500.9	17.7	3.1	0.0	1518.6	6	
3	67	-21780	-20	7	0	-2	-5	795.2	11.1	2.0	0.0	806.3	6	
4	67	-18490	-20	7	0	-2	-5	675.1	11.0	2.0	0.0	686.1	6	
5	67	-23550	-20	7	0	-2	-5	859.8	11.6	2.0	0.0	871.4	6	
6	67	-49430	-10	3	0	-1	-2	1804.7	5.3	1.0	0.0	1809.9	6	
7	67	-25170	-6	2	0	-1	-1	918.9	3.4	0.6	0.0	922.4	6	
8	67	-22480	-6	2	0	-0	-1	820.7	3.3	0.6	0.0	824.0	6	
9	67	-29090	-6	2	0	-1	-2	1062.1	3.9	0.6	0.0	1066.0	6	
10	67	-42720	-32	12	0	-3	-7	1559.7	17.8	3.1	0.0	1577.5	6	
11	67	-22600	-20	7	0	-2	-5	825.1	11.2	2.0	0.0	836.3	6	
12	67	-19670	-20	7	0	-2	-5	718.1	11.2	2.0	0.0	729.3	6	
13	67	-23990	-20	7	0	-2	-5	875.9	11.6	2.0	0.0	887.5	6	
14	67	-46070	-10	4	0	-1	-2	1682.0	5.8	1.0	0.0	1687.8	6	
15	67	-22840	-7	2	0	-1	-1	833.9	3.6	0.6	0.0	837.5	6	
16	67	-20660	-6	2	0	-1	-1	754.3	3.5	0.6	0.0	757.8	6	
17	67	-25940	-6	2	0	-1	-2	947.1	4.1	0.6	0.0	951.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30690	0	0	17	17	17	1.01	1.00	1133.6	
1E	-29470	0	0	17	17	17	1.01	1.00	1088.6	
1I	-30479	0	1	17	17	17	1.01	1.00	1125.8	
1M	-29681	0	1	17	17	17	1.01	1.00	1096.4	
2	-41120	1	3	17	17	17	1.01	1.00	1525.5	
3	-21790	1	2	17	17	17	1.01	1.00	809.3	
4	-18500	1	2	17	17	17	1.01	1.00	688.1	
5	-23560	1	2	17	17	17	1.01	1.00	874.4	
6	-49450	0	1	17	17	17	1.01	1.00	1826.1	
7	-25180	0	1	17	17	17	1.01	1.00	930.3	
8	-22490	0	1	17	17	17	1.01	1.00	831.1	
9	-29100	0	1	17	17	17	1.01	1.00	1075.0	
10	-42740	1	3	17	17	17	1.01	1.00	1585.1	
11	-22610	1	2	17	17	17	1.01	1.00	839.5	
12	-19680	1	2	17	17	17	1.01	1.00	731.5	
13	-24000	1	2	17	17	17	1.01	1.00	890.7	
14	-46090	0	1	17	17	17	1.01	1.00	1702.5	
15	-22850	0	1	17	17	17	1.01	1.00	844.4	
16	-20670	0	1	17	17	17	1.01	1.00	764.1	
17	-25950	0	1	17	17	17	1.01	1.00	958.9	

ASTA NUM. 77 NI 56 NF 92 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

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

1A	0	28336	4	5	0	2	-0	1034.5	3.6	0.5	0.0	1038.1	1
1E	0	29544	4	5	0	2	-0	1078.6	3.6	0.5	0.0	1082.2	1
1I	0	28564	3	4	0	1	-0	1042.9	2.8	0.4	0.0	1045.7	1
1M	0	29316	3	4	0	1	-0	1070.3	2.8	0.4	0.0	1073.1	1
2	0	41540	-19	-6	0	-1	5	1516.6	11.9	1.8	0.0	1528.5	6
3	0	28840	-12	-4	0	-1	3	1052.9	7.7	1.2	0.0	1060.7	6
4	0	26480	-12	-4	0	-1	3	966.8	7.6	1.2	0.0	974.4	6
5	0	29320	-12	-4	0	-1	3	1070.5	7.6	1.2	0.0	1078.1	6
6	0	47050	2	1	0	0	-0	1717.8	1.1	0.2	0.0	1718.9	1
7	0	33860	1	1	0	0	0	1236.2	0.3	0.1	0.0	1236.5	1
8	0	30820	1	1	0	0	0	1125.2	0.4	0.1	0.0	1125.6	1
9	0	34480	1	1	0	0	-0	1258.9	0.2	0.1	0.0	1259.1	1
10	0	46830	-18	-6	0	-1	5	1709.7	11.4	1.8	0.0	1721.1	6
11	0	31590	-11	-4	0	-1	3	1153.3	7.4	1.1	0.0	1160.7	6
12	0	29610	-11	-4	0	-1	3	1081.1	7.2	1.1	0.0	1088.2	6
13	0	32170	-12	-4	0	-1	3	1174.5	7.3	1.1	0.0	1181.8	6
14	0	50410	3	2	0	1	-0	1840.5	1.5	0.3	0.0	1842.0	1
15	0	35470	1	1	0	0	0	1295.0	0.3	0.1	0.0	1295.3	1
16	0	32640	1	1	0	0	-0	1191.7	0.6	0.1	0.0	1192.2	1
17	0	35810	1	1	0	0	-0	1307.4	0.3	0.1	0.0	1307.7	1
1A	31	28341	3	5	0	-0	1	1034.7	1.3	0.5	0.0	1036.0	6
1E	31	29549	3	5	0	-0	1	1078.8	1.3	0.5	0.0	1080.1	6
1I	31	28569	1	4	0	-0	0	1043.1	1.1	0.4	0.0	1044.1	6
1M	31	29321	1	4	0	-0	0	1070.5	1.1	0.4	0.0	1071.6	6
2	31	41550	-14	-4	0	0	0	1517.0	0.2	1.4	0.0	1517.2	1
3	31	28845	-9	-2	0	-0	0	1053.1	0.2	0.9	0.0	1053.3	1
4	31	26485	-9	-2	0	-0	-0	967.0	0.0	0.9	0.0	967.0	1
5	31	29325	-9	-2	0	-0	-0	1070.6	0.2	0.9	0.0	1070.8	1
6	31	47060	1	2	0	-0	0	1718.1	1.0	0.2	0.0	1719.1	6
7	31	33865	1	1	0	-0	0	1236.4	0.9	0.1	0.0	1237.3	6
8	31	30825	1	1	0	-0	0	1125.4	0.7	0.1	0.0	1126.1	6
9	31	34485	1	1	0	-0	0	1259.0	0.6	0.1	0.0	1259.7	6
10	31	46840	-14	-4	0	0	-0	1710.1	0.5	1.4	0.0	1710.6	1
11	31	31600	-9	-2	0	-0	0	1153.7	0.0	0.9	0.0	1153.7	6
12	31	29620	-9	-2	0	0	-0	1081.4	0.2	0.9	0.0	1081.6	6
13	31	32175	-9	-2	0	-0	-0	1174.7	0.2	0.9	0.0	1174.9	6
14	31	50420	2	2	0	0	0	1840.8	0.9	0.2	0.0	1841.7	6
15	31	35475	1	1	0	-0	0	1295.2	0.8	0.1	0.0	1296.0	6
16	31	32645	1	1	0	-0	0	1191.9	0.5	0.1	0.0	1192.4	6
17	31	35815	1	1	0	-0	0	1307.6	0.6	0.1	0.0	1308.2	6
1A	62	28346	1	5	0	-2	1	1034.9	4.4	0.5	0.0	1039.3	1
1E	62	29554	1	5	0	-2	1	1079.0	4.4	0.5	0.0	1083.4	1
1I	62	28574	-0	4	0	-1	1	1043.2	3.3	0.4	0.0	1046.6	1
1M	62	29326	-0	4	0	-1	1	1070.7	3.3	0.4	0.0	1074.0	1
2	62	41560	-10	-1	0	1	-4	1517.3	8.7	1.0	0.0	1526.0	6
3	62	28850	-7	-1	0	0	-2	1053.3	5.3	0.6	0.0	1058.6	6
4	62	26490	-7	-1	0	0	-2	967.1	5.5	0.6	0.0	972.6	6
5	62	29330	-7	-1	0	0	-2	1070.8	5.6	0.6	0.0	1076.4	6
6	62	47070	1	3	0	-1	1	1718.5	2.3	0.3	0.0	1720.8	6
7	62	33870	0	2	0	-1	0	1236.6	1.8	0.2	0.0	1238.3	1
8	62	30830	0	2	0	-1	0	1125.6	1.5	0.2	0.0	1127.1	1
9	62	34490	0	1	0	-1	0	1259.2	1.5	0.1	0.0	1260.8	1
10	62	46850	-10	-1	0	1	-4	1710.5	8.6	1.0	0.0	1719.0	6
11	62	31610	-6	-1	0	0	-2	1154.1	5.3	0.6	0.0	1159.3	6
12	62	29630	-6	-1	0	1	-2	1081.8	5.5	0.6	0.0	1087.2	6
13	62	32180	-6	-1	0	0	-2	1174.9	5.5	0.6	0.0	1180.4	6
14	62	50430	1	3	0	-1	1	1841.2	2.4	0.3	0.0	1843.6	6
15	62	35480	0	2	0	-1	0	1295.4	1.6	0.2	0.0	1297.0	1
16	62	32650	0	2	0	-0	0	1192.0	1.4	0.2	0.0	1193.4	1
17	62	35820	0	1	0	-1	0	1307.8	1.5	0.1	0.0	1309.2	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28346	1	1	16	16	16	1.00	1.00	1037.4	
1E	29554	1	1	16	16	16	1.00	1.00	1081.5	
1I	28574	1	0	16	16	16	1.00	1.00	1045.1	
1M	29326	1	0	16	16	16	1.00	1.00	1072.5	
2	41560	1	2	16	16	16	1.00	1.00	1522.8	
3	28850	0	1	16	16	16	1.00	1.00	1057.0	
4	26490	0	1	16	16	16	1.00	1.00	970.7	
5	29330	0	1	16	16	16	1.00	1.00	1074.5	
6	47070	0	0	16	16	16	1.00	1.00	1720.1	
7	33870	0	0	16	16	16	1.00	1.00	1238.0	
8	30830	0	0	16	16	16	1.00	1.00	1126.7	
9	34490	0	0	16	16	16	1.00	1.00	1260.3	
10	46850	1	2	16	16	16	1.00	1.00	1715.7	
11	31610	0	1	16	16	16	1.00	1.00	1157.5	
12	29630	0	1	16	16	16	1.00	1.00	1085.1	
13	32180	0	1	16	16	16	1.00	1.00	1178.3	
14	50430	0	0	16	16	16	1.00	1.00	1842.6	
15	35480	0	0	16	16	16	1.00	1.00	1296.6	
16	32650	0	0	16	16	16	1.00	1.00	1192.9	
17	35820	0	0	16	16	16	1.00	1.00	1308.8	

ASTA NUM. 78 NI 64 NF 94 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28512	2	3	0	0	2	1040.9	4.2	0.3	0.0	1045.1	6	
1E	0	29528	2	3	0	0	2	1078.1	4.2	0.3	0.0	1082.3	6	
1I	0	28689	1	2	0	0	2	1047.4	4.9	0.2	0.0	1052.3	6	
1M	0	29351	1	2	0	0	2	1071.6	4.9	0.2	0.0	1076.5	6	
2	0	41410	-20	-7	0	-2	8	1511.9	17.6	1.9	0.0	1529.4	6	
3	0	28560	-12	-5	0	-1	5	1042.7	10.9	1.2	0.0	1053.6	6	
4	0	25970	-12	-5	0	-1	5	948.2	10.7	1.2	0.0	958.9	6	
5	0	28280	-12	-5	0	-1	4	1032.5	10.5	1.2	0.0	1043.0	6	
6	0	47200	-2	-1	0	-1	4	1723.3	9.1	0.2	0.0	1732.3	6	
7	0	33630	-1	-1	0	-1	2	1227.8	5.6	0.1	0.0	1233.4	6	
8	0	30360	-1	-1	0	-1	2	1108.4	5.4	0.1	0.0	1113.9	6	
9	0	33360	-1	-1	0	-1	2	1218.0	5.3	0.1	0.0	1223.2	6	
10	0	46830	-20	-7	0	-2	8	1709.7	18.4	2.0	0.0	1728.1	6	
11	0	31380	-13	-5	0	-2	5	1145.7	11.3	1.2	0.0	1157.0	6	
12	0	29190	-12	-5	0	-1	5	1065.7	11.2	1.2	0.0	1076.9	6	
13	0	31230	-12	-5	0	-1	5	1140.2	11.0	1.2	0.0	1151.2	6	
14	0	50580	-1	-1	0	-1	4	1846.7	9.1	0.1	0.0	1855.8	6	
15	0	35250	-1	-1	0	-1	2	1287.0	5.6	0.1	0.0	1292.6	6	
16	0	32200	-1	-1	0	-1	2	1175.6	5.5	0.1	0.0	1181.1	6	
17	0	34730	-1	-1	0	-1	2	1268.0	5.3	0.1	0.0	1273.2	6	
1A	28	28517	1	3	0	-0	2	1041.1	5.1	0.3	0.0	1046.2	6	
1E	28	29533	1	3	0	-0	2	1078.3	5.1	0.3	0.0	1083.3	6	
1I	28	28694	-1	2	0	-0	2	1047.6	5.2	0.2	0.0	1052.8	6	
1M	28	29356	-1	2	0	-0	2	1071.8	5.2	0.2	0.0	1076.9	6	
2	28	41420	-16	-5	0	-0	2	1512.2	5.5	1.6	0.0	1517.7	6	
3	28	28565	-10	-3	0	-0	1	1042.9	3.3	1.0	0.0	1046.2	6	
4	28	25975	-10	-3	0	-0	1	948.3	3.2	1.0	0.0	951.5	6	
5	28	28285	-10	-3	0	-0	1	1032.7	3.0	1.0	0.0	1035.7	6	
6	28	47210	-2	-0	0	-1	3	1723.6	7.8	0.2	0.0	1731.4	6	
7	28	33640	-2	-0	0	-1	2	1228.2	4.6	0.2	0.0	1232.8	6	
8	28	30365	-1	-0	0	-0	2	1108.6	4.6	0.1	0.0	1113.2	6	
9	28	33365	-1	-0	0	-1	2	1218.1	4.4	0.1	0.0	1222.6	6	
10	28	46840	-16	-5	0	-0	3	1710.1	6.2	1.6	0.0	1716.3	6	
11	28	31390	-10	-3	0	-0	2	1146.0	3.7	1.0	0.0	1149.7	6	
12	28	29195	-10	-3	0	-0	2	1065.9	3.6	1.0	0.0	1069.5	6	
13	28	31235	-10	-3	0	-0	1	1140.4	3.4	1.0	0.0	1143.8	6	
14	28	50585	-2	-0	0	-1	3	1846.8	7.9	0.2	0.0	1854.8	6	
15	28	35255	-2	-0	0	-1	2	1287.1	4.7	0.2	0.0	1291.8	6	
16	28	32205	-2	-0	0	-1	2	1175.8	4.6	0.2	0.0	1180.4	6	
17	28	34735	-2	-0	0	-1	2	1268.2	4.4	0.1	0.0	1272.6	6	
1A	57	28522	-1	3	0	-1	2	1041.3	5.6	0.3	0.0	1046.9	6	
1E	57	29538	-1	3	0	-1	2	1078.4	5.6	0.3	0.0	1084.1	6	
1I	57	28699	-2	2	0	-1	2	1047.8	4.9	0.2	0.0	1052.7	6	
1M	57	29361	-2	2	0	-1	2	1072.0	4.9	0.2	0.0	1076.9	6	
2	57	41430	-12	-3	0	1	-1	1512.6	3.7	1.2	0.0	1516.3	6	
3	57	28570	-8	-2	0	0	-1	1043.1	2.5	0.7	0.0	1045.6	6	
4	57	25980	-8	-2	0	0	-1	948.5	2.6	0.7	0.0	951.2	6	
5	57	28290	-8	-2	0	0	-1	1032.9	2.8	0.7	0.0	1035.6	6	
6	57	47220	-3	0	0	-1	3	1724.0	6.2	0.3	0.0	1730.2	6	
7	57	33650	-2	0	0	-1	2	1228.6	3.6	0.2	0.0	1232.1	6	
8	57	30370	-2	0	0	-0	2	1108.8	3.6	0.2	0.0	1112.4	6	
9	57	33370	-2	0	0	-1	1	1218.3	3.5	0.2	0.0	1221.8	6	
10	57	46850	-12	-3	0	1	-1	1710.5	3.1	1.2	0.0	1713.6	6	
11	57	31400	-8	-2	0	0	-1	1146.4	2.2	0.8	0.0	1148.6	6	
12	57	29200	-8	-2	0	0	-1	1066.1	2.3	0.7	0.0	1068.4	6	
13	57	31240	-8	-2	0	0	-1	1140.6	2.4	0.7	0.0	1143.0	6	
14	57	50590	-3	0	0	-1	3	1847.0	6.4	0.3	0.0	1853.4	6	
15	57	35260	-2	0	0	-1	1	1287.3	3.6	0.2	0.0	1290.9	6	
16	57	32210	-2	0	0	-1	2	1176.0	3.6	0.2	0.0	1179.6	6	
17	57	34740	-2	0	0	-1	1	1268.3	3.4	0.2	0.0	1271.7	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	28522	1	2	15	15	15	1.00	1.00	1046.9
1E	29538	1	2	15	15	15	1.00	1.00	1084.0
1I	28699	1	2	15	15	15	1.00	1.00	1053.4
1M	29361	1	2	15	15	15	1.00	1.00	1077.5
2	41430	1	4	15	15	15	1.00	1.00	1522.9
3	28570	1	2	15	15	15	1.00	1.00	1049.5
4	25980	1	2	15	15	15	1.00	1.00	954.8
5	28290	1	2	15	15	15	1.00	1.00	1039.0
6	47220	1	3	15	15	15	1.00	1.00	1732.9
7	33650	1	2	15	15	15	1.00	1.00	1234.1
8	30370	1	2	15	15	15	1.00	1.00	1114.2
9	33370	1	2	15	15	15	1.00	1.00	1223.6
10	46850	1	4	15	15	15	1.00	1.00	1721.7
11	31400	1	3	15	15	15	1.00	1.00	1153.3
12	29200	1	2	15	15	15	1.00	1.00	1072.8
13	31240	1	2	15	15	15	1.00	1.00	1147.2
14	50590	1	4	15	15	15	1.00	1.00	1856.1
15	35260	1	2	15	15	15	1.00	1.00	1293.0
16	32210	1	2	15	15	15	1.00	1.00	1181.5
17	34740	1	2	15	15	15	1.00	1.00	1273.7

ASTA NUM. 79 NI 69 NF 95 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28088	9	7	0	-0	1	1025.5	2.5	0.9	0.0	1027.9	6	
1E	0	28912	9	7	0	-0	1	1055.6	2.5	0.9	0.0	1058.0	6	
1I	0	28212	8	6	0	-0	1	1030.0	3.2	0.8	0.0	1033.2	6	
1M	0	28788	8	6	0	-0	1	1051.0	3.2	0.8	0.0	1054.2	6	
2	0	40470	-8	-1	0	-2	6	1477.5	14.2	0.8	0.0	1491.7	6	
3	0	27760	-5	-0	0	-2	3	1013.5	8.5	0.5	0.0	1022.0	6	
4	0	24940	-5	-1	0	-1	3	910.6	8.6	0.5	0.0	919.1	6	
5	0	26650	-6	-1	0	-1	3	973.0	8.4	0.6	0.0	981.4	6	
6	0	46390	10	6	0	-1	3	1693.7	6.7	1.0	0.0	1700.4	6	
7	0	32800	7	4	0	-1	1	1197.5	3.7	0.7	0.0	1201.2	6	
8	0	29290	6	4	0	-1	2	1069.4	3.9	0.6	0.0	1073.2	6	
9	0	31530	6	3	0	-1	1	1151.2	3.7	0.6	0.0	1154.9	6	
10	0	45940	-7	-0	0	-3	6	1677.3	14.6	0.7	0.0	1691.9	6	
11	0	30620	-4	-0	0	-2	4	1117.9	8.8	0.4	0.0	1126.7	6	
12	0	28220	-5	-0	0	-2	4	1030.3	8.8	0.5	0.0	1039.1	6	
13	0	29670	-5	-1	0	-2	4	1083.2	8.6	0.5	0.0	1091.9	6	
14	0	49770	11	7	0	-1	3	1817.1	6.4	1.1	0.0	1823.5	6	
15	0	34420	7	4	0	-1	1	1256.7	3.6	0.7	0.0	1260.3	6	
16	0	31150	6	4	0	-1	1	1137.3	3.8	0.6	0.0	1141.0	6	
17	0	32950	6	3	0	-1	1	1203.0	3.6	0.6	0.0	1206.6	6	
1A	27	28093	8	7	0	-2	3	1025.7	8.8	0.8	0.0	1034.5	6	
1E	27	28917	8	7	0	-2	3	1055.7	8.8	0.8	0.0	1064.6	6	
1I	27	28217	7	6	0	-2	3	1030.2	8.8	0.7	0.0	1039.0	6	
1M	27	28793	7	6	0	-2	3	1051.2	8.8	0.7	0.0	1060.0	6	
2	27	40480	-5	1	0	-2	4	1477.9	10.6	0.5	0.0	1488.5	6	
3	27	27765	-2	1	0	-2	3	1013.7	6.6	0.2	0.0	1020.3	6	
4	27	24945	-3	1	0	-1	2	910.7	6.1	0.3	0.0	916.8	6	
5	27	26660	-3	0	0	-1	2	973.3	5.8	0.3	0.0	979.1	6	
6	27	46400	10	7	0	-3	5	1694.0	13.7	0.9	0.0	1707.8	6	
7	27	32805	7	4	0	-2	3	1197.7	8.6	0.7	0.0	1206.3	6	
8	27	29295	6	4	0	-2	3	1069.6	8.1	0.6	0.0	1077.7	6	
9	27	31535	6	4	0	-2	3	1151.3	7.8	0.5	0.0	1159.1	6	
10	27	45950	-3	2	0	-3	5	1677.6	11.8	0.3	0.0	1689.5	6	
11	27	30630	-2	1	0	-2	3	1118.3	7.3	0.2	0.0	1125.6	6	
12	27	28225	-2	1	0	-2	3	1030.5	6.8	0.2	0.0	1037.3	6	
13	27	29680	-3	1	0	-2	2	1083.6	6.5	0.3	0.0	1090.1	6	
14	27	49780	10	7	0	-3	5	1817.5	14.1	1.0	0.0	1831.5	6	
15	27	34425	7	4	0	-2	3	1256.8	8.7	0.7	0.0	1265.5	6	
16	27	31155	6	4	0	-2	3	1137.5	8.2	0.6	0.0	1145.7	6	
17	27	32955	6	4	0	-2	3	1203.2	7.8	0.6	0.0	1211.0	6	
1A	54	28098	6	7	0	-4	5	1025.9	14.4	0.7	0.0	1040.3	6	
1E	54	28922	6	7	0	-4	5	1055.9	14.4	0.7	0.0	1070.3	6	
1I	54	28222	5	6	0	-4	5	1030.4	13.7	0.6	0.0	1044.0	6	
1M	54	28798	5	6	0	-4	5	1051.4	13.7	0.6	0.0	1065.1	6	
2	54	40490	-1	3	0	-3	3	1478.3	9.5	0.3	0.0	1487.8	6	
3	54	27770	-0	2	0	-2	2	1013.9	6.3	0.2	0.0	1020.2	6	
4	54	24950	-1	2	0	-2	2	910.9	5.2	0.2	0.0	916.1	6	
5	54	26670	-1	2	0	-2	2	973.7	4.8	0.2	0.0	978.5	1	
6	54	46410	9	7	0	-5	8	1694.4	20.6	0.9	0.0	1715.0	6	
7	54	32810	6	5	0	-3	5	1197.9	13.4	0.6	0.0	1211.2	6	
8	54	29300	5	4	0	-3	5	1069.7	12.3	0.5	0.0	1082.0	6	
9	54	31540	5	4	0	-3	4	1151.5	11.7	0.5	0.0	1163.2	6	
10	54	45960	0	4	0	-4	4	1678.0	11.6	0.4	0.0	1689.6	6	
11	54	30640	1	3	0	-2	3	1118.7	7.4	0.3	0.0	1126.1	6	
12	54	28230	-0	2	0	-2	2	1030.7	6.4	0.2	0.0	1037.1	6	
13	54	29690	-0	2	0	-2	2	1084.0	6.0	0.2	0.0	1089.9	6	
14	54	49790	10	8	0	-5	8	1817.8	21.4	1.0	0.0	1839.2	6	
15	54	34430	7	5	0	-3	5	1257.0	13.6	0.7	0.0	1270.6	6	
16	54	31160	6	4	0	-3	5	1137.6	12.5	0.6	0.0	1150.2	6	
17	54	32960	6	4	0	-3	5	1203.4	11.9	0.5	0.0	1215.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn.	omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m								daN/cmq	
1A	28098	2	4	14		14	14	1.00	1.00	1038.5	
1E	28922	2	4	14		14	14	1.00	1.00	1068.5	
1I	28222	2	4	14		14	14	1.00	1.00	1042.8	
1M	28798	2	4	14		14	14	1.00	1.00	1063.8	
2	40490	3	5	14		14	14	1.00	1.00	1494.4	
3	27770	2	3	14		14	14	1.00	1.00	1024.0	
4	24950	2	3	14		14	14	1.00	1.00	920.3	
5	26670	2	3	14		14	14	1.00	1.00	982.7	
6	46410	4	6	14		14	14	1.00	1.00	1714.0	
7	32810	2	4	14		14	14	1.00	1.00	1210.4	
8	29300	2	3	14		14	14	1.00	1.00	1081.4	
9	31540	2	3	14		14	14	1.00	1.00	1162.6	
10	45960	3	5	14		14	14	1.00	1.00	1695.6	
11	30640	2	3	14		14	14	1.00	1.00	1129.6	
12	28230	2	3	14		14	14	1.00	1.00	1040.9	
13	29690	2	3	14		14	14	1.00	1.00	1093.9	
14	49790	4	6	14		14	14	1.00	1.00	1837.9	
15	34430	2	4	14		14	14	1.00	1.00	1269.6	
16	31160	2	3	14		14	14	1.00	1.00	1149.4	
17	32960	2	3	14		14	14	1.00	1.00	1214.6	

ASTA NUM. 80 NI 73 NF 98 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	28217	-6	-4	0	-2	9	1030.2	21.5	0.6	0.0	1051.6	6	
1E	0	28843	-6	-4	0	-2	9	1053.1	21.5	0.6	0.0	1074.5	6	
1I	0	28270	-7	-4	0	-2	10	1032.1	22.0	0.7	0.0	1054.2	6	
1M	0	28790	-7	-4	0	-2	10	1051.1	22.0	0.7	0.0	1073.1	6	
2	0	40410	-29	-15	0	-5	17	1475.4	39.3	2.8	0.0	1514.7	6	
3	0	27450	-21	-10	0	-3	11	1002.2	25.7	2.0	0.0	1027.8	6	
4	0	24330	-18	-9	0	-3	10	888.3	23.5	1.8	0.0	911.8	6	
5	0	25330	-17	-9	0	-3	10	924.8	22.6	1.7	0.0	947.4	6	
6	0	46550	-15	-11	0	-5	16	1699.5	37.1	1.4	0.0	1736.6	6	
7	0	32480	-13	-8	0	-3	11	1185.8	24.7	1.3	0.0	1210.6	6	
8	0	28650	-10	-7	0	-3	10	1046.0	22.4	1.0	0.0	1068.4	6	
9	0	30010	-8	-6	0	-3	9	1095.7	21.2	0.8	0.0	1116.9	6	
10	0	46040	-31	-16	0	-5	18	1680.9	43.1	3.0	0.0	1724.0	6	
11	0	30410	-21	-11	0	-4	12	1110.3	27.7	2.1	0.0	1137.9	6	
12	0	27720	-19	-10	0	-3	11	1012.0	25.7	1.9	0.0	1037.7	6	
13	0	28480	-18	-9	0	-3	11	1039.8	24.8	1.8	0.0	1064.6	6	
14	0	49930	-16	-11	0	-5	16	1822.9	38.5	1.6	0.0	1861.4	6	
15	0	34090	-14	-8	0	-3	11	1244.6	25.4	1.4	0.0	1270.0	6	
16	0	30540	-11	-7	0	-3	10	1115.0	23.0	1.1	0.0	1138.0	6	
17	0	31480	-10	-6	0	-3	9	1149.3	21.9	0.9	0.0	1171.2	6	
1A	27	28222	-8	-4	0	-1	7	1030.4	16.5	0.8	0.0	1046.9	6	
1E	27	28848	-8	-4	0	-1	7	1053.2	16.5	0.8	0.0	1069.8	6	
1I	27	28275	-9	-4	0	-1	7	1032.3	16.6	0.8	0.0	1048.9	6	
1M	27	28795	-9	-4	0	-1	7	1051.3	16.6	0.8	0.0	1067.8	6	
2	27	40420	-25	-13	0	-1	10	1475.7	21.0	2.4	0.0	1496.7	6	
3	27	27455	-18	-9	0	-1	6	1002.4	12.5	1.8	0.0	1014.9	6	
4	27	24335	-16	-8	0	-1	5	888.5	11.8	1.6	0.0	900.2	6	
5	27	25335	-15	-7	0	-1	5	925.0	11.7	1.4	0.0	936.7	6	
6	27	46560	-15	-10	0	-2	12	1699.9	26.3	1.5	0.0	1726.2	6	
7	27	32485	-13	-8	0	-1	7	1186.0	15.5	1.3	0.0	1201.5	6	
8	27	28655	-11	-6	0	-1	7	1046.2	15.0	1.0	0.0	1061.2	6	
9	27	30015	-9	-6	0	-1	7	1095.8	15.1	0.9	0.0	1110.9	6	
10	27	46050	-27	-14	0	-1	11	1681.3	23.5	2.6	0.0	1704.7	6	
11	27	30415	-19	-10	0	-1	6	1110.4	13.8	1.9	0.0	1124.3	6	
12	27	27725	-17	-9	0	-1	6	1012.2	13.3	1.7	0.0	1025.5	6	
13	27	28490	-16	-8	0	-1	6	1040.2	13.1	1.6	0.0	1053.2	6	
14	27	49940	-17	-11	0	-2	12	1823.3	26.8	1.6	0.0	1850.1	6	

15	27	34095	-14	-8	0	-1	7	1244.8	15.6	1.4	0.0	1260.4	6
16	27	30545	-11	-7	0	-1	7	1115.2	15.3	1.1	0.0	1130.5	6
17	27	31485	-10	-6	0	-1	7	1149.5	15.0	1.0	0.0	1164.5	6
1A	54	28227	-9	-4	0	0	5	1030.6	11.0	0.9	0.0	1041.5	6
1E	54	28853	-9	-4	0	0	5	1053.4	11.0	0.9	0.0	1064.4	6
1I	54	28280	-10	-4	0	0	5	1032.5	10.5	1.0	0.0	1043.0	6
1M	54	28800	-10	-4	0	0	5	1051.5	10.5	1.0	0.0	1062.0	6
2	54	40430	-21	-11	0	2	3	1476.1	8.5	2.1	0.0	1484.5	6
3	54	27460	-16	-8	0	1	1	1002.6	3.8	1.6	0.0	1006.4	1
4	54	24340	-14	-7	0	1	1	888.6	3.6	1.4	0.0	892.3	6
5	54	25340	-12	-6	0	1	2	925.2	4.3	1.2	0.0	929.5	6
6	54	46570	-16	-10	0	1	8	1700.3	17.0	1.5	0.0	1717.2	6
7	54	32490	-14	-7	0	1	3	1186.2	7.7	1.3	0.0	1193.9	6
8	54	28660	-11	-6	0	1	4	1046.4	8.7	1.1	0.0	1055.0	6
9	54	30020	-9	-5	0	0	4	1096.0	9.6	0.9	0.0	1105.6	6
10	54	46060	-23	-12	0	2	4	1681.6	9.8	2.3	0.0	1691.5	6
11	54	30420	-17	-8	0	2	1	1110.6	4.3	1.7	0.0	1114.9	1
12	54	27730	-15	-7	0	1	2	1012.4	4.6	1.5	0.0	1017.0	6
13	54	28500	-14	-7	0	1	2	1040.5	4.9	1.3	0.0	1045.5	6
14	54	49950	-17	-10	0	1	7	1823.7	16.7	1.7	0.0	1840.3	6
15	54	34100	-15	-8	0	1	3	1245.0	7.4	1.4	0.0	1252.4	6
16	54	30550	-11	-6	0	1	4	1115.4	8.6	1.1	0.0	1124.0	6
17	54	31490	-10	-6	0	1	4	1149.7	8.9	1.0	0.0	1158.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	28227	1	8	14	14	14	1.00	1.00	1049.3	
1E	28853	1	8	14	14	14	1.00	1.00	1072.2	
1I	28280	1	8	14	14	14	1.00	1.00	1051.5	
1M	28800	1	8	14	14	14	1.00	1.00	1070.5	
2	40430	2	11	14	14	14	1.00	1.00	1504.7	
3	27460	1	7	14	14	14	1.00	1.00	1020.2	
4	24340	1	6	14	14	14	1.00	1.00	905.1	
5	25340	1	6	14	14	14	1.00	1.00	941.4	
6	46570	2	13	14	14	14	1.00	1.00	1731.6	
7	32490	2	8	14	14	14	1.00	1.00	1205.5	
8	28660	1	7	14	14	14	1.00	1.00	1064.6	
9	30020	1	7	14	14	14	1.00	1.00	1114.1	
10	46060	2	13	14	14	14	1.00	1.00	1713.2	
11	30420	2	8	14	14	14	1.00	1.00	1129.9	
12	27730	1	7	14	14	14	1.00	1.00	1030.7	
13	28500	1	7	14	14	14	1.00	1.00	1058.4	
14	49950	2	13	14	14	14	1.00	1.00	1855.7	
15	34100	2	8	14	14	14	1.00	1.00	1264.5	
16	30550	1	7	14	14	14	1.00	1.00	1134.0	
17	31490	1	7	14	14	14	1.00	1.00	1167.8	

ASTA NUM. 81 NI 57 NF 91 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	23756	4	-0	0	-0	-0	867.3	0.8	0.4	0.0	868.2	6	
1E	0	24964	4	-0	0	-0	-0	911.4	0.8	0.4	0.0	912.3	6	
1I	0	23984	3	-1	0	-0	-0	875.6	0.8	0.3	0.0	876.4	1	
1M	0	24736	3	-1	0	-0	-0	903.1	0.8	0.3	0.0	903.9	1	
2	0	33900	-19	6	0	1	5	1237.7	11.8	1.8	0.0	1249.5	6	
3	0	15920	-12	4	0	1	3	581.2	7.5	1.2	0.0	588.7	6	
4	0	15540	-12	4	0	1	3	567.4	7.5	1.2	0.0	574.9	6	
5	0	13050	-12	4	0	1	3	476.5	7.1	1.2	0.0	483.5	6	
6	0	40680	2	-1	0	-1	0	1485.2	1.2	0.2	0.0	1486.4	1	
7	0	17210	1	-1	0	-0	0	628.3	1.1	0.1	0.0	629.4	1	
8	0	19050	1	-1	0	-0	0	695.5	1.0	0.1	0.0	696.5	1	
9	0	16100	1	-1	0	-1	-0	587.8	1.3	0.1	0.0	589.1	1	
10	0	40700	-18	6	0	1	5	1485.9	11.4	1.8	0.0	1497.4	6	
11	0	19610	-12	4	0	1	3	716.0	7.3	1.1	0.0	723.2	6	
12	0	19350	-12	4	0	1	3	706.5	7.2	1.1	0.0	713.7	6	
13	0	16630	-12	4	0	1	3	607.2	6.9	1.1	0.0	614.1	6	
14	0	44050	3	-1	0	-1	-0	1608.3	1.6	0.2	0.0	1609.9	1	
15	0	18820	1	-1	0	-1	0	687.1	1.1	0.1	0.0	688.2	1	
16	0	20440	1	-1	0	-0	0	746.3	1.0	0.1	0.0	747.3	1	
17	0	17090	1	-1	0	-1	-0	624.0	1.4	0.1	0.0	625.3	1	
1A	31	23761	3	-0	0	-0	1	867.5	1.3	0.2	0.0	868.9	6	
1E	31	24969	3	-0	0	-0	1	911.6	1.3	0.2	0.0	913.0	6	
1I	31	23989	1	-1	0	-0	1	875.8	1.1	0.1	0.0	876.9	6	
1M	31	24741	1	-1	0	-0	1	903.3	1.1	0.1	0.0	904.4	6	
2	31	33910	-14	4	0	-0	0	1238.0	0.6	1.4	0.0	1238.6	1	
3	31	15925	-9	2	0	-0	0	581.4	0.6	0.9	0.0	582.0	1	
4	31	15545	-9	2	0	-0	0	567.5	0.5	0.9	0.0	568.1	1	
5	31	13055	-9	2	0	-0	-0	476.6	0.8	0.9	0.0	477.5	1	
6	31	40690	1	-2	0	-0	0	1485.6	1.1	0.2	0.0	1486.7	6	
7	31	17215	1	-1	0	-0	0	628.5	0.9	0.1	0.0	629.5	6	
8	31	19055	1	-1	0	-0	0	695.7	0.8	0.1	0.0	696.5	6	
9	31	16105	1	-1	0	-0	0	588.0	0.8	0.1	0.0	588.8	1	
10	31	40710	-14	4	0	-0	-0	1486.3	0.7	1.4	0.0	1487.0	1	
11	31	19620	-9	2	0	-0	0	716.3	0.6	0.9	0.0	716.9	1	
12	31	19360	-9	2	0	-0	-0	706.8	0.6	0.9	0.0	707.4	1	
13	31	16635	-9	2	0	-0	-0	607.3	0.8	0.9	0.0	608.2	1	
14	31	44060	2	-2	0	-0	0	1608.6	1.1	0.2	0.0	1609.7	6	
15	31	18825	1	-1	0	-0	0	687.3	0.9	0.1	0.0	688.2	6	
16	31	20445	1	-1	0	-0	0	746.4	0.7	0.1	0.0	747.2	6	
17	31	17095	1	-1	0	-0	0	624.1	0.8	0.1	0.0	625.0	1	
1A	62	23766	1	-0	0	-0	1	867.7	2.4	0.1	0.0	870.1	6	
1E	62	24974	1	-0	0	-0	1	911.8	2.4	0.1	0.0	914.2	6	
1I	62	23994	-0	-1	0	0	1	876.0	1.7	0.1	0.0	877.7	6	
1M	62	24746	-0	-1	0	0	1	903.5	1.7	0.1	0.0	905.2	6	
2	62	33920	-10	1	0	-1	-4	1238.4	8.9	1.0	0.0	1247.3	6	
3	62	15930	-7	1	0	-1	-2	581.6	5.6	0.6	0.0	587.2	6	
4	62	15550	-7	1	0	-1	-2	567.7	5.8	0.7	0.0	573.5	6	
5	62	13060	-6	1	0	-1	-2	476.8	5.9	0.6	0.0	482.7	6	
6	62	40700	1	-2	0	1	1	1485.9	2.2	0.2	0.0	1488.1	6	
7	62	17220	0	-1	0	0	0	628.7	1.2	0.1	0.0	629.9	6	
8	62	19060	0	-1	0	0	0	695.9	1.1	0.1	0.0	697.0	6	
9	62	16110	0	-2	0	0	0	588.2	0.9	0.2	0.0	589.1	6	
10	62	40720	-10	1	0	-1	-4	1486.7	8.7	1.0	0.0	1495.3	6	
11	62	19630	-6	1	0	-1	-2	716.7	5.5	0.6	0.0	722.2	6	
12	62	19370	-6	1	0	-1	-2	707.2	5.7	0.6	0.0	712.9	6	
13	62	16640	-6	1	0	-1	-2	607.5	5.8	0.6	0.0	613.3	6	
14	62	44070	1	-3	0	1	1	1609.0	2.3	0.3	0.0	1611.3	6	
15	62	18830	0	-1	0	0	0	687.5	1.1	0.1	0.0	688.6	6	
16	62	20450	0	-1	0	0	0	746.6	1.0	0.1	0.0	747.6	6	
17	62	17100	0	-2	0	0	0	624.3	0.9	0.2	0.0	625.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	23766	0	1	16	16	16	1.00	1.00	868.9	
1E	24974	0	1	16	16	16	1.00	1.00	913.0	
1I	23994	0	0	16	16	16	1.00	1.00	877.0	
1M	24746	0	0	16	16	16	1.00	1.00	904.5	
2	33920	1	2	16	16	16	1.00	1.00	1243.8	
3	15930	0	1	16	16	16	1.00	1.00	585.0	
4	15550	0	1	16	16	16	1.00	1.00	571.1	
5	13060	0	1	16	16	16	1.00	1.00	480.2	
6	40700	0	0	16	16	16	1.00	1.00	1487.4	
7	17220	0	0	16	16	16	1.00	1.00	629.9	
8	19060	0	0	16	16	16	1.00	1.00	696.9	
9	16110	0	0	16	16	16	1.00	1.00	589.2	
10	40720	0	2	16	16	16	1.00	1.00	1491.9	
11	19630	0	1	16	16	16	1.00	1.00	720.0	
12	19370	0	1	16	16	16	1.00	1.00	710.5	
13	16640	0	1	16	16	16	1.00	1.00	610.8	
14	44070	0	0	16	16	16	1.00	1.00	1610.5	
15	18830	0	0	16	16	16	1.00	1.00	688.7	
16	20450	0	0	16	16	16	1.00	1.00	747.6	
17	17100	0	0	16	16	16	1.00	1.00	625.4	

ASTA NUM. 82 NI 65 NF 93 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24411	2	1	0	1	2	891.3	4.2	0.2	0.0	895.5	6	
1E	0	25429	2	1	0	1	2	928.4	4.2	0.2	0.0	932.6	6	
1I	0	24589	1	0	0	0	2	897.7	4.9	0.1	0.0	902.7	6	
1M	0	25251	1	0	0	0	2	921.9	4.9	0.1	0.0	926.9	6	
2	0	34610	-20	7	0	2	7	1263.6	17.3	1.9	0.0	1280.9	6	
3	0	16540	-12	4	0	1	5	603.9	10.4	1.2	0.0	614.3	6	

4	0	16370	-12	4	0	1	4	597.7	10.2	1.2	0.0	607.8	6
5	0	14410	-12	4	0	1	5	526.1	10.3	1.2	0.0	536.4	6
6	0	41460	-2	1	0	1	4	1513.7	8.8	0.2	0.0	1522.5	6
7	0	17970	-1	0	0	0	2	656.1	4.9	0.1	0.0	661.0	6
8	0	20040	-1	0	0	0	2	731.7	4.8	0.1	0.0	736.4	6
9	0	17760	-1	0	0	0	2	648.4	5.0	0.1	0.0	653.4	6
10	0	41350	-20	7	0	2	8	1509.7	18.1	2.0	0.0	1527.8	6
11	0	20200	-12	4	0	1	5	737.5	10.9	1.2	0.0	748.4	6
12	0	20130	-12	4	0	1	5	734.9	10.6	1.2	0.0	745.5	6
13	0	17930	-12	4	0	1	5	654.6	10.8	1.2	0.0	665.4	6
14	0	44840	-1	0	0	1	4	1637.1	8.8	0.1	0.0	1645.9	6
15	0	19590	-1	0	0	0	2	715.2	5.0	0.1	0.0	720.2	6
16	0	21410	-1	0	0	0	2	781.7	4.8	0.1	0.0	786.5	6
17	0	18710	-1	0	0	0	2	683.1	5.0	0.1	0.0	688.1	6
1A	28	24416	1	1	0	0	2	891.4	4.9	0.1	0.0	896.4	6
1E	28	25434	1	1	0	0	2	928.6	4.9	0.1	0.0	933.5	6
1I	28	24594	-1	0	0	0	2	897.9	5.0	0.1	0.0	902.9	6
1M	28	25256	-1	0	0	0	2	922.1	5.0	0.1	0.0	927.1	6
2	28	34615	-16	5	0	0	2	1263.8	5.3	1.6	0.0	1269.1	6
3	28	16545	-10	3	0	0	1	604.1	3.0	1.0	0.0	607.1	6
4	28	16375	-10	3	0	0	1	597.8	2.8	1.0	0.0	600.6	6
5	28	14415	-10	3	0	-0	1	526.3	2.9	1.0	0.0	529.2	6
6	28	41470	-2	0	0	0	3	1514.1	7.5	0.2	0.0	1521.6	6
7	28	17975	-1	0	0	0	2	656.3	4.3	0.1	0.0	660.5	6
8	28	20045	-1	0	0	0	2	731.8	4.1	0.1	0.0	735.9	6
9	28	17765	-1	-0	0	0	2	648.6	4.3	0.1	0.0	652.9	6
10	28	41360	-16	5	0	0	3	1510.0	6.0	1.6	0.0	1516.1	6
11	28	20205	-10	3	0	0	2	737.7	3.4	1.0	0.0	741.1	6
12	28	20135	-10	3	0	0	1	735.1	3.1	1.0	0.0	738.3	6
13	28	17935	-10	3	0	0	2	654.8	3.3	1.0	0.0	658.1	6
14	28	44845	-2	-0	0	1	3	1637.3	7.7	0.2	0.0	1645.0	6
15	28	19595	-1	-0	0	0	2	715.4	4.3	0.1	0.0	719.7	6
16	28	21415	-1	-0	0	0	2	781.9	4.1	0.1	0.0	786.0	6
17	28	18715	-1	-0	0	0	2	683.3	4.3	0.1	0.0	687.6	6
1A	57	24421	-1	1	0	0	2	891.6	4.7	0.1	0.0	896.3	6
1E	57	25439	-1	1	0	0	2	928.8	4.7	0.1	0.0	933.5	6
1I	57	24599	-2	0	0	0	2	898.1	4.3	0.2	0.0	902.3	6
1M	57	25261	-2	0	0	0	2	922.3	4.3	0.2	0.0	926.5	6
2	57	34620	-12	3	0	-1	-1	1264.0	3.8	1.2	0.0	1267.8	6
3	57	16550	-7	2	0	-1	-1	604.2	2.6	0.7	0.0	606.8	6
4	57	16380	-7	2	0	-1	-1	598.0	2.9	0.7	0.0	600.9	6
5	57	14420	-7	2	0	-1	-1	526.5	2.7	0.7	0.0	529.2	6
6	57	41480	-3	-1	0	1	3	1514.4	6.1	0.3	0.0	1520.5	6
7	57	17980	-2	-0	0	0	2	656.4	3.5	0.2	0.0	659.9	6
8	57	20050	-2	-0	0	0	1	732.0	3.3	0.2	0.0	735.3	6
9	57	17770	-2	-0	0	0	2	648.8	3.5	0.2	0.0	652.3	6
10	57	41370	-12	3	0	-1	-1	1510.4	3.2	1.2	0.0	1513.6	6
11	57	20210	-7	2	0	-1	-1	737.9	2.3	0.7	0.0	740.1	6
12	57	20140	-7	2	0	-1	-1	735.3	2.6	0.7	0.0	737.9	6
13	57	17940	-7	2	0	-1	-1	655.0	2.4	0.7	0.0	657.4	6
14	57	44850	-3	-1	0	1	3	1637.5	6.3	0.3	0.0	1643.8	6
15	57	19600	-2	-0	0	0	2	715.6	3.5	0.2	0.0	719.1	6
16	57	21420	-2	-0	0	0	1	782.0	3.3	0.2	0.0	785.3	6
17	57	18720	-2	-0	0	0	2	683.5	3.4	0.2	0.0	686.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24421	0	2	15	15	15	1.00	1.00	896.7	
1E	25439	0	2	15	15	15	1.00	1.00	933.8	
1I	24599	0	2	15	15	15	1.00	1.00	903.2	
1M	25261	0	2	15	15	15	1.00	1.00	927.4	
2	34620	1	4	15	15	15	1.00	1.00	1273.8	
3	16550	0	2	15	15	15	1.00	1.00	610.0	
4	16380	0	2	15	15	15	1.00	1.00	603.5	
5	14420	0	2	15	15	15	1.00	1.00	532.1	
6	41480	1	3	15	15	15	1.00	1.00	1522.8	
7	17980	0	2	15	15	15	1.00	1.00	661.0	
8	20050	0	2	15	15	15	1.00	1.00	736.5	
9	17770	0	2	15	15	15	1.00	1.00	653.4	
10	41370	1	4	15	15	15	1.00	1.00	1521.1	
11	20210	0	3	15	15	15	1.00	1.00	744.1	
12	20140	0	2	15	15	15	1.00	1.00	741.2	
13	17940	0	2	15	15	15	1.00	1.00	661.0	
14	44850	1	3	15	15	15	1.00	1.00	1646.1	
15	19600	0	2	15	15	15	1.00	1.00	720.2	
16	21420	0	2	15	15	15	1.00	1.00	786.5	
17	18720	0	2	15	15	15	1.00	1.00	688.1	

ASTA NUM. 83 NI 70 NF 96 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.: A -- B -- C -- D -- E -13.8604 F -3.4651 G -- H -- p.p. y 5.1608 qy tot. -12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24548	9	-4	0	1	1	896.2	3.2	0.8	0.0	899.4	6	
1E	0	25372	9	-4	0	1	1	926.3	3.2	0.8	0.0	929.5	6	
1I	0	24672	8	-4	0	1	1	900.8	3.7	0.7	0.0	904.4	6	
1M	0	25248	8	-4	0	1	1	921.8	3.7	0.7	0.0	925.5	6	
2	0	34610	-9	1	0	2	6	1263.6	14.3	0.9	0.0	1277.9	6	
3	0	16780	-6	1	0	1	4	612.6	8.8	0.6	0.0	621.4	6	
4	0	16870	-7	1	0	1	4	615.9	8.5	0.7	0.0	624.4	6	
5	0	15510	-7	1	0	1	4	566.3	8.7	0.7	0.0	575.0	6	
6	0	41370	9	-6	0	1	3	1510.4	6.7	0.9	0.0	1517.1	6	
7	0	18280	5	-3	0	1	2	667.4	4.1	0.5	0.0	671.5	6	
8	0	20610	5	-3	0	1	2	752.5	3.8	0.5	0.0	756.3	6	
9	0	19090	5	-4	0	1	2	697.0	4.0	0.5	0.0	701.0	6	
10	0	41210	-8	0	0	2	6	1504.6	14.6	0.8	0.0	1519.2	6	
11	0	20350	-6	1	0	1	4	743.0	9.0	0.6	0.0	752.0	6	
12	0	20530	-6	1	0	1	4	749.5	8.7	0.6	0.0	758.3	6	
13	0	18910	-6	1	0	1	4	690.4	8.9	0.6	0.0	699.3	6	
14	0	44750	10	-7	0	1	3	1633.8	6.4	1.0	0.0	1640.3	6	
15	0	19900	5	-3	0	1	2	726.5	4.0	0.5	0.0	730.5	6	
16	0	21960	5	-3	0	1	2	801.8	3.7	0.5	0.0	805.5	6	
17	0	19990	5	-4	0	1	2	729.8	3.9	0.5	0.0	733.8	6	
1A	27	24553	7	-4	0	2	3	896.4	8.5	0.7	0.0	904.9	6	
1E	27	25377	7	-4	0	2	3	926.5	8.5	0.7	0.0	935.0	6	
1I	27	24677	6	-4	0	2	3	900.9	8.5	0.6	0.0	909.5	6	
1M	27	25253	6	-4	0	2	3	922.0	8.5	0.6	0.0	930.5	6	
2	27	34620	-6	-1	0	2	4	1264.0	10.2	0.5	0.0	1274.1	6	
3	27	16785	-4	-0	0	1	2	612.8	5.8	0.4	0.0	618.6	6	
4	27	16875	-4	-0	0	1	2	616.1	5.3	0.4	0.0	621.4	6	
5	27	15515	-4	-0	0	1	2	566.4	5.5	0.4	0.0	571.9	6	
6	27	41380	9	-7	0	3	5	1510.8	13.3	0.9	0.0	1524.1	6	
7	27	18285	4	-4	0	1	3	667.6	7.4	0.4	0.0	675.0	6	
8	27	20615	5	-4	0	2	3	752.6	7.3	0.4	0.0	759.9	6	
9	27	19095	4	-4	0	2	3	697.2	7.5	0.4	0.0	704.6	6	
10	27	41220	-4	-2	0	3	4	1504.9	11.4	0.4	0.0	1516.4	6	
11	27	20355	-3	-1	0	1	3	743.2	6.5	0.3	0.0	749.6	6	
12	27	20535	-4	-1	0	1	2	749.7	6.0	0.4	0.0	755.8	6	
13	27	18920	-4	-1	0	1	2	690.8	6.2	0.4	0.0	697.0	6	
14	27	44760	10	-7	0	3	5	1634.2	13.6	0.9	0.0	1647.8	6	
15	27	19905	5	-4	0	1	3	726.7	7.5	0.5	0.0	734.2	6	
16	27	21965	5	-4	0	2	3	801.9	7.3	0.5	0.0	809.2	6	
17	27	19995	5	-4	0	2	3	730.0	7.5	0.5	0.0	737.5	6	
1A	54	24558	6	-4	0	3	5	896.6	13.1	0.6	0.0	909.7	6	
1E	54	25382	6	-4	0	3	5	926.7	13.1	0.6	0.0	939.8	6	
1I	54	24682	5	-4	0	3	5	901.1	12.6	0.5	0.0	913.7	6	
1M	54	25258	5	-4	0	3	5	922.2	12.6	0.5	0.0	934.8	6	
2	54	34630	-2	-3	0	3	3	1264.3	8.6	0.3	0.0	1272.9	6	
3	54	16790	-2	-2	0	2	1	613.0	4.4	0.2	0.0	617.4	1	
4	54	16880	-2	-2	0	1	1	616.3	4.1	0.2	0.0	620.4	1	
5	54	15520	-2	-2	0	1	1	566.6	4.2	0.2	0.0	570.8	1	
6	54	41390	8	-7	0	5	7	1511.1	19.6	0.8	0.0	1530.8	6	
7	54	18290	4	-4	0	3	4	667.8	10.6	0.4	0.0	678.4	6	
8	54	20620	4	-4	0	3	4	752.8	10.6	0.4	0.0	763.5	6	
9	54	19100	4	-4	0	3	4	697.3	10.8	0.4	0.0	708.1	6	
10	54	41230	-0	-4	0	3	4	1505.3	10.8	0.4	0.0	1516.1	6	
11	54	20360	-1	-2	0	2	2	743.3	5.5	0.2	0.0	748.8	6	
12	54	20540	-1	-2	0	2	2	749.9	4.9	0.2	0.0	754.8	1	
13	54	18930	-1	-2	0	2	2	691.1	5.1	0.2	0.0	696.2	6	
14	54	44770	9	-8	0	5	8	1634.5	20.5	0.9	0.0	1655.0	6	
15	54	19910	4	-4	0	3	4	726.9	10.9	0.4	0.0	737.8	6	
16	54	21970	4	-4	0	3	4	802.1	10.7	0.4	0.0	812.8	6	
17	54	20000	4	-4	0	3	4	730.2	10.9	0.4	0.0	741.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24558	2	4	14	14	14	1.00	1.00	908.3	
1E	25382	2	4	14	14	14	1.00	1.00	938.4	
1I	24682	2	3	14	14	14	1.00	1.00	912.8	
1M	25258	2	3	14	14	14	1.00	1.00	933.9	
2	34630	3	5	14	14	14	1.00	1.00	1279.8	
3	16790	1	3	14	14	14	1.00	1.00	621.9	

4	16880	1	3	14	14	14	1.00	1.00	624.7
5	15520	1	3	14	14	14	1.00	1.00	575.2
6	41390	3	6	14	14	14	1.00	1.00	1529.9
7	18290	2	3	14	14	14	1.00	1.00	678.0
8	20620	2	3	14	14	14	1.00	1.00	763.1
9	19100	2	3	14	14	14	1.00	1.00	707.8
10	41230	3	5	14	14	14	1.00	1.00	1522.3
11	20360	2	3	14	14	14	1.00	1.00	753.0
12	20540	2	3	14	14	14	1.00	1.00	759.2
13	18930	2	3	14	14	14	1.00	1.00	700.6
14	44770	3	6	14	14	14	1.00	1.00	1653.7
15	19910	2	3	14	14	14	1.00	1.00	737.2
16	21970	2	3	14	14	14	1.00	1.00	812.3
17	20000	2	3	14	14	14	1.00	1.00	740.6

ASTA NUM. 84 NI 74 NF 97 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-13.8604	-3.4651	--	--	5.1608	-12.1647 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25327	-5	6	0	3	9	924.7	20.7	0.6	0.0	945.4	6	
1E	0	25953	-5	6	0	3	9	947.5	20.7	0.6	0.0	968.3	6	
1I	0	25380	-5	6	0	3	9	926.6	21.2	0.6	0.0	947.8	6	
1M	0	25900	-5	6	0	3	9	945.6	21.2	0.6	0.0	966.8	6	
2	0	35660	-26	14	0	5	16	1301.9	37.3	2.5	0.0	1339.2	6	
3	0	17670	-15	8	0	3	9	645.1	21.2	1.5	0.0	666.4	6	
4	0	18040	-14	8	0	3	9	658.6	20.4	1.4	0.0	679.0	6	
5	0	17380	-14	8	0	3	9	634.5	20.5	1.3	0.0	655.0	6	
6	0	42370	-12	10	0	4	15	1546.9	35.1	1.2	0.0	1582.0	6	
7	0	19280	-5	5	0	2	8	703.9	18.6	0.5	0.0	722.5	6	
8	0	21910	-6	5	0	2	8	799.9	19.0	0.6	0.0	818.9	6	
9	0	21280	-5	5	0	2	8	776.9	19.1	0.5	0.0	796.0	6	
10	0	42180	-28	16	0	5	18	1540.0	41.4	2.8	0.0	1581.4	6	
11	0	21190	-16	9	0	3	10	773.6	23.4	1.6	0.0	797.0	6	
12	0	21630	-15	9	0	3	10	789.7	22.5	1.5	0.0	812.2	6	
13	0	20710	-15	9	0	3	10	756.1	22.7	1.5	0.0	778.8	6	
14	0	45750	-13	11	0	5	16	1670.3	36.5	1.3	0.0	1706.8	6	
15	0	20890	-6	6	0	2	8	762.7	19.2	0.6	0.0	781.9	6	
16	0	23220	-6	6	0	2	8	847.8	19.2	0.6	0.0	866.9	6	
17	0	22120	-6	5	0	2	8	807.6	19.5	0.6	0.0	827.1	6	
1A	27	25332	-6	6	0	1	7	924.9	16.4	0.6	0.0	941.2	6	
1E	27	25958	-6	6	0	1	7	947.7	16.4	0.6	0.0	964.1	6	
1I	27	25385	-7	6	0	1	7	926.8	16.4	0.7	0.0	943.2	6	
1M	27	25905	-7	6	0	1	7	945.8	16.4	0.7	0.0	962.2	6	
2	27	35670	-22	12	0	1	9	1302.3	20.7	2.2	0.0	1323.0	6	
3	27	17680	-13	7	0	1	5	645.5	11.7	1.2	0.0	657.2	6	
4	27	18045	-12	7	0	1	5	658.8	11.3	1.2	0.0	670.1	6	
5	27	17390	-11	6	0	1	5	634.9	11.8	1.1	0.0	646.7	6	
6	27	42375	-12	10	0	2	12	1547.1	25.9	1.2	0.0	1573.0	6	
7	27	19285	-6	5	0	1	7	704.1	14.3	0.6	0.0	718.4	6	
8	27	21915	-6	5	0	1	7	800.1	14.4	0.6	0.0	814.6	6	
9	27	21285	-5	5	0	1	7	777.1	15.2	0.5	0.0	792.3	6	
10	27	42190	-24	14	0	1	10	1540.3	23.2	2.4	0.0	1563.5	6	
11	27	21195	-14	8	0	1	6	773.8	13.0	1.4	0.0	786.9	6	
12	27	21635	-13	7	0	1	6	789.9	12.7	1.3	0.0	802.6	6	
13	27	20715	-13	7	0	1	6	756.3	13.1	1.2	0.0	769.4	6	
14	27	45760	-14	10	0	2	12	1670.7	26.4	1.4	0.0	1697.1	6	
15	27	20895	-7	5	0	1	7	762.9	14.4	0.6	0.0	777.3	6	
16	27	23225	-6	5	0	1	7	847.9	14.6	0.6	0.0	862.5	6	
17	27	22125	-6	5	0	1	7	807.8	15.0	0.6	0.0	822.8	6	
1A	54	25337	-7	6	0	-1	6	925.0	12.1	0.7	0.0	937.2	6	
1E	54	25963	-7	6	0	-1	6	947.9	12.1	0.7	0.0	960.1	6	
1I	54	25390	-8	6	0	-1	5	927.0	11.6	0.8	0.0	938.6	6	
1M	54	25910	-8	6	0	-1	5	946.0	11.6	0.8	0.0	957.6	6	
2	54	35680	-18	10	0	-2	4	1302.7	9.8	1.8	0.0	1312.5	6	
3	54	17690	-10	6	0	-1	2	645.9	5.6	1.0	0.0	651.5	6	
4	54	18050	-10	5	0	-1	2	659.0	5.5	1.0	0.0	664.5	6	
5	54	17400	-9	5	0	-1	3	635.3	6.3	0.9	0.0	641.5	6	
6	54	42380	-13	9	0	-1	8	1547.3	18.1	1.3	0.0	1565.4	6	
7	54	19290	-6	5	0	-1	5	704.3	10.8	0.6	0.0	715.1	6	
8	54	21920	-6	5	0	-1	5	800.3	10.6	0.6	0.0	810.9	6	
9	54	21290	-5	4	0	-0	5	777.3	11.7	0.5	0.0	789.0	6	
10	54	42200	-21	12	0	-2	4	1540.7	10.9	2.0	0.0	1551.6	6	
11	54	21200	-12	6	0	-1	3	774.0	6.3	1.1	0.0	780.3	6	
12	54	21640	-11	6	0	-1	3	790.1	6.4	1.0	0.0	796.5	6	
13	54	20720	-10	6	0	-1	3	756.5	6.8	1.0	0.0	763.3	6	
14	54	45770	-15	10	0	-1	8	1671.0	17.8	1.4	0.0	1688.9	6	
15	54	20900	-7	5	0	-1	5	763.1	10.5	0.7	0.0	773.6	6	
16	54	23230	-7	5	0	-1	5	848.1	10.7	0.6	0.0	858.8	6	
17	54	22130	-6	5	0	-0	5	808.0	11.2	0.6	0.0	819.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25337	1	8	14	14	14	1.00	1.00	943.8	
1E	25963	1	8	14	14	14	1.00	1.00	966.7	
1I	25390	1	8	14	14	14	1.00	1.00	945.8	
1M	25910	1	8	14	14	14	1.00	1.00	964.7	
2	35680	2	11	14	14	14	1.00	1.00	1330.5	
3	17690	1	6	14	14	14	1.00	1.00	661.5	
4	18050	1	6	14	14	14	1.00	1.00	674.2	
5	17400	1	6	14	14	14	1.00	1.00	650.9	
6	42380	2	12	14	14	14	1.00	1.00	1577.8	
7	19290	1	7	14	14	14	1.00	1.00	720.8	
8	21920	1	7	14	14	14	1.00	1.00	817.1	
9	21290	1	7	14	14	14	1.00	1.00	794.8	
10	42200	2	12	14	14	14	1.00	1.00	1571.6	
11	21200	1	7	14	14	14	1.00	1.00	791.3	
12	21640	1	7	14	14	14	1.00	1.00	807.0	
13	20720	1	7	14	14	14	1.00	1.00	773.8	
14	45770	2	13	14	14	14	1.00	1.00	1702.3	
15	20900	1	7	14	14	14	1.00	1.00	779.8	
16	23230	1	7	14	14	14	1.00	1.00	865.1	
17	22130	1	7	14	14	14	1.00	1.00	825.4	

ASTA NUM. 85 NI 58 NF 101 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-35204	-0	4	0	1	0	1285.3	2.9	0.4	0.0	1288.2	1	
1E	0	-33996	-0	4	0	1	0	1241.2	2.9	0.4	0.0	1244.1	1	
1I	0	-34976	-1	3	0	1	1	1277.0	2.5	0.3	0.0	1279.5	1	
1M	0	-34224	-1	3	0	1	1	1249.5	2.5	0.3	0.0	1252.0	1	
2	0	-45950	29	11	0	3	-7	1677.6	17.6	2.8	0.0	1695.2	6	
3	0	-27630	18	7	0	2	-4	1008.8	10.7	1.8	0.0	1019.5	6	
4	0	-29570	18	7	0	2	-5	1079.6	11.1	1.8	0.0	1090.7	6	
5	0	-27220	18	7	0	2	-4	993.8	11.0	1.8	0.0	1004.7	6	
6	0	-55680	8	4	0	1	-2	2032.9	5.3	0.8	0.0	2038.1	6	
7	0	-33460	5	2	0	1	-1	1221.6	2.9	0.5	0.0	1224.5	6	
8	0	-36090	5	2	0	1	-1	1317.6	3.4	0.5	0.0	1321.0	6	
9	0	-33510	5	2	0	1	-1	1223.4	3.2	0.5	0.0	1226.7	6	
10	0	-48610	29	11	0	3	-7	1774.7	17.8	2.8	0.0	1792.5	6	
11	0	-29090	18	7	0	2	-4	1062.1	10.9	1.8	0.0	1072.9	6	
12	0	-31670	18	7	0	2	-5	1156.3	11.3	1.8	0.0	1167.5	6	
13	0	-28410	18	7	0	2	-4	1037.2	11.0	1.8	0.0	1048.3	6	
14	0	-52320	9	4	0	1	-2	1910.2	5.8	0.9	0.0	1916.0	6	
15	0	-31130	5	2	0	1	-1	1136.5	3.1	0.5	0.0	1139.7	6	
16	0	-34700	5	2	0	1	-1	1266.9	3.7	0.5	0.0	1270.5	6	
17	0	-30540	5	2	0	1	-1	1115.0	3.3	0.5	0.0	1118.3	6	
1A	31	-35199	-2	4	0	0	0	1285.1	0.3	0.4	0.0	1285.4	1	
1E	31	-33991	-2	4	0	0	0	1241.0	0.3	0.4	0.0	1241.3	1	
1I	31	-34971	-3	3	0	0	-0	1276.8	0.3	0.3	0.0	1277.1	1	
1M	31	-34219	-3	3	0	0	-0	1249.3	0.3	0.3	0.0	1249.6	1	
2	31	-45945	20	9	0	-0	0	1677.4	0.9	2.0	0.0	1678.4	6	
3	31	-27625	13	5	0	-0	0	1008.6	0.8	1.2	0.0	1009.4	6	
4	31	-29565	13	6	0	0	0	1079.4	0.6	1.3	0.0	1080.1	6	
5	31	-27215	13	6	0	-0	0	993.6	0.6	1.2	0.0	994.3	6	
6	31	-55675	4	3	0	0	-0	2032.7	0.3	0.4	0.0	2033.0	6	
7	31	-33455	3	2	0	0	0	1221.4	0.2	0.3	0.0	1221.7	6	
8	31	-36085	3	2	0	0	-0	1317.5	0.4	0.3	0.0	1317.8	1	
9	31	-33505	3	2	0	0	-0	1223.3	0.1	0.3	0.0	1223.4	6	
10	31	-48600	20	9	0	-0	0	1774.4	0.6	2.0	0.0	1775.0	6	
11	31	-29090	13	5	0	0	0	1062.1	0.6	1.2	0.0	1062.7	6	
12	31	-31665	13	5	0	0	0	1156.1	0.5	1.2	0.0	1156.6	6	
13	31	-28405	13	5	0	-0	0	1037.1	0.5	1.2	0.0	1037.6	6	
14	31	-52310	5	3	0	0	-0	1909.8	0.5	0.5	0.0	1910.3	6	
15	31	-31125	3	2	0	0	0	1136.4	0.3	0.3	0.0	1136.6	1	
16	31	-34695	3	2	0	0	-0	1266.7	0.6	0.3	0.0	1267.3	1	
17	31	-30535	3	2	0	0	-0	1114.8	0.2	0.3	0.0	1115.0	1	
1A	62	-35194	-4	4	0	-1	-1	1284.9	2.7	0.4	0.0	1287.7	1	
1E	62	-33986	-4	4	0	-1	-1	1240.8	2.7	0.4	0.0	1243.6	1	
1I	62	-34966	-5	3	0	-1	-1	1276.6	3.2	0.5	0.0	1279.8	6	
1M	62	-34214	-5	3	0	-1	-1	1249.1	3.2	0.5	0.0	1252.3	6	

2	62	-45940	12	6	0	-2	5	1677.3	13.2	1.1	0.0	1690.4	6
3	62	-27620	7	4	0	-2	3	1008.4	8.5	0.7	0.0	1016.9	6
4	62	-29560	7	4	0	-1	3	1079.2	8.4	0.7	0.0	1087.6	6
5	62	-27210	7	4	0	-2	3	993.4	8.3	0.7	0.0	1001.8	6
6	62	-55670	0	3	0	-1	1	2032.5	2.2	0.3	0.0	2034.7	1
7	62	-33450	0	2	0	-0	1	1221.2	1.6	0.2	0.0	1222.8	6
8	62	-36080	0	2	0	-0	0	1317.3	1.4	0.2	0.0	1318.6	6
9	62	-33500	0	2	0	-1	0	1223.1	1.4	0.2	0.0	1224.5	1
10	62	-48590	11	6	0	-2	5	1774.0	12.7	1.1	0.0	1786.7	6
11	62	-29090	7	4	0	-1	3	1062.1	8.2	0.7	0.0	1070.3	6
12	62	-31660	7	4	0	-1	3	1155.9	8.0	0.7	0.0	1163.9	6
13	62	-28400	7	4	0	-1	3	1036.9	8.1	0.7	0.0	1045.0	6
14	62	-52300	1	3	0	-1	1	1909.5	2.2	0.3	0.0	1911.7	1
15	62	-31120	0	2	0	-0	1	1136.2	1.6	0.2	0.0	1137.7	6
16	62	-34690	1	2	0	-0	0	1266.5	1.3	0.2	0.0	1267.8	6
17	62	-30530	0	2	0	-0	0	1114.6	1.4	0.2	0.0	1116.0	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-35204	0	0	16	16	16	1.01	1.00	1299.8	
1E	-33996	0	0	16	16	16	1.01	1.00	1255.3	
1I	-34976	0	0	16	16	16	1.01	1.00	1291.6	
1M	-34224	0	0	16	16	16	1.01	1.00	1263.8	
2	-45950	1	3	16	16	16	1.01	1.00	1703.1	
3	-27630	1	2	16	16	16	1.01	1.00	1024.2	
4	-29570	1	2	16	16	16	1.01	1.00	1095.9	
5	-27220	1	2	16	16	16	1.01	1.00	1009.1	
6	-55680	0	1	16	16	16	1.01	1.00	2056.3	
7	-33460	0	0	16	16	16	1.01	1.00	1235.4	
8	-36090	0	1	16	16	16	1.01	1.00	1332.8	
9	-33510	0	1	16	16	16	1.01	1.00	1237.5	
10	-48610	1	3	16	16	16	1.01	1.00	1801.3	
11	-29090	1	2	16	16	16	1.01	1.00	1078.1	
12	-31670	1	2	16	16	16	1.01	1.00	1173.5	
13	-28410	1	2	16	16	16	1.01	1.00	1053.1	
14	-52320	1	1	16	16	16	1.01	1.00	1932.7	
15	-31130	0	0	16	16	16	1.01	1.00	1149.6	
16	-34700	0	1	16	16	16	1.01	1.00	1281.8	
17	-30540	0	1	16	16	16	1.01	1.00	1128.0	

ASTA NUM. 86 NI 66 NF 103 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-35039	3	3	0	1	-3	1279.3	6.7	0.3	0.0	1285.9	6	
1E	0	-34021	3	3	0	1	-3	1242.1	6.7	0.3	0.0	1248.8	6	
1I	0	-34862	2	3	0	1	-2	1272.8	5.7	0.3	0.0	1278.5	6	
1M	0	-34198	2	3	0	1	-2	1248.6	5.7	0.3	0.0	1254.3	6	
2	0	-45800	30	11	0	3	-9	1672.1	22.3	3.0	0.0	1694.5	6	
3	0	-27420	19	7	0	2	-6	1001.1	13.7	1.9	0.0	1014.8	6	
4	0	-28930	19	7	0	2	-6	1056.2	13.6	1.9	0.0	1069.8	6	
5	0	-27050	19	7	0	2	-6	987.6	13.8	1.9	0.0	1001.4	6	
6	0	-55630	12	4	0	2	-6	2031.0	14.0	1.2	0.0	2045.1	6	
7	0	-33250	8	3	0	1	-4	1213.9	8.5	0.8	0.0	1222.4	6	
8	0	-35400	8	3	0	1	-3	1292.4	8.4	0.8	0.0	1300.8	6	
9	0	-33400	8	3	0	1	-4	1219.4	8.7	0.8	0.0	1228.1	6	
10	0	-48400	30	11	0	3	-10	1767.1	23.0	3.0	0.0	1790.0	6	
11	0	-28840	19	7	0	2	-6	1052.9	14.1	1.9	0.0	1067.0	6	
12	0	-31010	19	7	0	2	-6	1132.2	14.0	1.9	0.0	1146.2	6	
13	0	-28200	19	7	0	2	-6	1029.6	14.1	1.9	0.0	1043.7	6	
14	0	-52260	13	5	0	2	-6	1908.0	14.0	1.2	0.0	1922.0	6	
15	0	-30920	8	3	0	1	-3	1128.9	8.3	0.8	0.0	1137.2	6	
16	0	-34030	8	3	0	1	-3	1242.4	8.4	0.8	0.0	1250.8	6	
17	0	-30430	8	3	0	1	-4	1111.0	8.5	0.8	0.0	1119.5	6	
1A	28	-35034	2	3	0	1	-2	1279.1	4.3	0.3	0.0	1283.4	6	
1E	28	-34016	2	3	0	1	-2	1241.9	4.3	0.3	0.0	1246.2	6	
1I	28	-34857	1	3	0	1	-2	1272.6	4.2	0.3	0.0	1276.8	6	
1M	28	-34193	1	3	0	1	-2	1248.4	4.2	0.3	0.0	1252.6	6	
2	28	-45795	22	9	0	0	-2	1672.0	4.4	2.2	0.0	1676.3	6	
3	28	-27415	14	6	0	0	-1	1000.9	2.5	1.4	0.0	1003.4	6	
4	28	-28925	14	5	0	0	-1	1056.0	2.4	1.4	0.0	1058.4	6	
5	28	-27045	14	5	0	0	-1	987.4	2.6	1.4	0.0	990.0	6	
6	28	-55625	9	4	0	1	-3	2030.9	6.7	0.9	0.0	2037.5	6	
7	28	-33245	6	2	0	1	-2	1213.8	3.9	0.5	0.0	1217.7	6	
8	28	-35395	6	2	0	1	-2	1292.3	3.8	0.6	0.0	1296.0	6	
9	28	-33395	6	2	0	0	-2	1219.2	4.1	0.6	0.0	1223.4	6	
10	28	-48395	22	9	0	0	-2	1766.9	5.0	2.2	0.0	1771.9	6	
11	28	-28840	14	6	0	0	-1	1052.9	2.9	1.4	0.0	1055.8	6	
12	28	-31005	14	6	0	0	-1	1132.0	2.8	1.4	0.0	1134.7	6	
13	28	-28200	14	6	0	0	-1	1029.6	2.9	1.4	0.0	1032.5	6	
14	28	-52250	9	4	0	1	-3	1907.6	6.6	0.9	0.0	1914.2	6	
15	28	-30915	5	3	0	0	-2	1128.7	3.8	0.5	0.0	1132.5	6	
16	28	-34025	6	3	0	1	-2	1242.2	3.8	0.5	0.0	1246.0	6	
17	28	-30425	5	3	0	0	-2	1110.8	3.9	0.5	0.0	1114.8	6	
1A	57	-35029	0	3	0	-0	-2	1278.9	3.5	0.3	0.0	1282.4	6	
1E	57	-34011	0	3	0	-0	-2	1241.7	3.5	0.3	0.0	1245.3	6	
1I	57	-34852	-1	3	0	-0	-2	1272.4	4.0	0.3	0.0	1276.4	6	
1M	57	-34188	-1	3	0	-0	-2	1248.2	4.0	0.3	0.0	1252.2	6	
2	57	-45790	14	7	0	-2	3	1671.8	8.4	1.4	0.0	1680.2	6	
3	57	-27410	9	4	0	-1	2	1000.7	5.4	0.9	0.0	1006.2	6	
4	57	-28920	9	4	0	-1	2	1055.9	5.6	0.9	0.0	1061.5	6	
5	57	-27040	9	4	0	-1	2	987.2	5.4	0.9	0.0	992.6	6	
6	57	-55620	5	3	0	-0	-1	2030.7	2.0	0.5	0.0	2032.7	6	
7	57	-33240	3	2	0	-0	-0	1213.6	0.9	0.3	0.0	1214.5	6	
8	57	-35390	3	2	0	-0	-0	1292.1	0.7	0.3	0.0	1292.8	6	
9	57	-33390	3	2	0	-0	-0	1219.1	1.2	0.3	0.0	1220.2	6	
10	57	-48390	14	7	0	-2	3	1766.7	7.8	1.4	0.0	1774.5	6	
11	57	-28840	9	4	0	-1	2	1052.9	5.1	0.9	0.0	1058.0	6	
12	57	-31000	9	4	0	-1	2	1131.8	5.2	0.9	0.0	1137.0	6	
13	57	-28200	9	4	0	-1	2	1029.6	5.1	0.9	0.0	1034.6	6	
14	57	-52240	5	4	0	-0	-1	1907.3	2.1	0.5	0.0	1909.4	6	
15	57	-30910	3	2	0	-0	-0	1128.5	1.0	0.3	0.0	1129.5	6	
16	57	-34020	3	2	0	-0	-0	1242.1	0.8	0.3	0.0	1242.9	6	
17	57	-30420	3	2	0	-0	-0	1110.6	1.2	0.3	0.0	1111.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-35039	1	2	15	15	15	1.00	1.00	1285.4	
1E	-34021	1	2	15	15	15	1.00	1.00	1248.2	
1I	-34862	1	2	15	15	15	1.00	1.00	1278.6	
1M	-34198	1	2	15	15	15	1.00	1.00	1254.4	
2	-45800	1	4	15	15	15	1.00	1.00	1684.1	
3	-27420	1	3	15	15	15	1.00	1.00	1008.3	
4	-28930	1	2	15	15	15	1.00	1.00	1063.3	
5	-27050	1	3	15	15	15	1.00	1.00	994.9	
6	-55630	1	4	15	15	15	1.00	1.00	2041.7	
7	-33250	1	2	15	15	15	1.00	1.00	1220.3	
8	-35400	1	2	15	15	15	1.00	1.00	1298.7	
9	-33400	1	2	15	15	15	1.00	1.00	1226.0	
10	-48400	1	5	15	15	15	1.00	1.00	1779.7	
11	-28840	1	3	15	15	15	1.00	1.00	1060.5	
12	-31010	1	3	15	15	15	1.00	1.00	1139.7	
13	-28200	1	3	15	15	15	1.00	1.00	1037.2	
14	-52260	1	4	15	15	15	1.00	1.00	1918.5	
15	-30920	1	2	15	15	15	1.00	1.00	1135.1	
16	-34030	1	2	15	15	15	1.00	1.00	1248.7	
17	-30430	1	2	15	15	15	1.00	1.00	1117.3	

ASTA NUM. 87 NI 68 NF 104 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-34252	-5	-1	0	2	-2	1250.5	4.8	0.5	0.0	1255.3	6	
1E	0	-33428	-5	-1	0	2	-2	1220.5	4.8	0.5	0.0	1225.2	6	
1I	0	-34128	-6	-2	0	1	-1	1246.0	4.2	0.6	0.0	1250.2	1	
1M	0	-33552	-6	-2	0	1	-1	1225.0	4.2	0.6	0.0	1229.2	1	
2	0	-44840	17	4	0	3	-7	1637.1	18.3	1.7	0.0	1655.3	6	
3	0	-26730	11	3	0	2	-5	975.9	11.2	1.1	0.0	987.1	6	
4	0	-27780	11	3	0	2	-4	1014.2	11.0	1.1	0.0	1025.3	6	
5	0	-26400	11	3	0	2	-5	963.9	11.3	1.1	0.0	975.1	6	
6	0	-54590	-2	-3	0	2	-4	1993.1	10.7	0.3	0.0	2003.8	6	
7	0	-32460	-1	-2	0	1	-3	1185.1	6.4	0.1	0.0	1191.5	6	
8	0	-34060	-1	-1	0	1	-2	1243.5	6.3	0.1	0.0	1249.8	6	
9	0	-32690	-1	-2	0	1	-3	1193.5	6.6	0.2	0.0	1200.1	6	
10	0	-47290	16	4	0	3	-8	1726.5	18.8	1.6	0.0	1745.4	6	
11	0	-28070	11	3	0	2	-5	1024.8	11.5	1.0	0.0	1036.4	6	

12	0	-29780	10	3	0	2	-5	1087.3	11.4	1.0	0.0	1098.7	6
13	0	-27470	11	3	0	2	-5	1002.9	11.6	1.0	0.0	1014.5	6
14	0	-51210	-1	-3	0	2	-4	1869.7	11.0	0.3	0.0	1880.6	6
15	0	-30130	-0	-1	0	1	-3	1100.0	6.4	0.1	0.0	1106.5	6
16	0	-32720	-1	-2	0	1	-2	1194.6	6.4	0.1	0.0	1201.0	6
17	0	-29740	-1	-1	0	1	-3	1085.8	6.6	0.1	0.0	1092.4	6
1A	27	-34247	-7	-1	0	2	-3	1250.3	8.5	0.7	0.0	1258.9	6
1E	27	-33423	-7	-1	0	2	-3	1220.3	8.5	0.7	0.0	1228.8	6
1I	27	-34123	-8	-2	0	2	-3	1245.8	8.6	0.8	0.0	1254.4	6
1M	27	-33547	-8	-2	0	2	-3	1224.8	8.6	0.8	0.0	1233.3	6
2	27	-44835	9	2	0	2	-4	1636.9	10.1	0.9	0.0	1647.0	6
3	27	-26725	6	2	0	1	-2	975.7	5.8	0.6	0.0	981.5	6
4	27	-27780	6	2	0	1	-2	1014.2	5.6	0.6	0.0	1019.8	6
5	27	-26395	6	2	0	1	-2	963.7	5.9	0.6	0.0	969.6	6
6	27	-54580	-6	-4	0	3	-5	1992.7	13.7	0.6	0.0	2006.4	6
7	27	-32455	-3	-2	0	2	-3	1184.9	7.9	0.3	0.0	1192.8	6
8	27	-34060	-3	-2	0	2	-3	1243.5	7.8	0.3	0.0	1251.3	6
9	27	-32690	-3	-2	0	2	-3	1193.5	8.3	0.3	0.0	1201.8	6
10	27	-47280	9	2	0	3	-4	1726.2	11.2	0.8	0.0	1737.4	6
11	27	-28065	6	1	0	2	-2	1024.6	6.4	0.6	0.0	1031.1	6
12	27	-29775	6	1	0	2	-2	1087.1	6.4	0.6	0.0	1093.5	6
13	27	-27465	6	1	0	2	-2	1002.7	6.5	0.6	0.0	1009.2	6
14	27	-51200	-5	-3	0	3	-5	1869.3	13.4	0.5	0.0	1882.7	6
15	27	-30125	-2	-2	0	2	-3	1099.9	7.6	0.2	0.0	1107.5	6
16	27	-32715	-3	-2	0	2	-3	1194.4	7.8	0.3	0.0	1202.2	6
17	27	-29735	-3	-2	0	2	-3	1085.6	7.9	0.3	0.0	1093.5	6
1A	54	-34242	-8	-1	0	2	-5	1250.2	13.1	0.8	0.0	1263.3	6
1E	54	-33418	-8	-1	0	2	-5	1220.1	13.1	0.8	0.0	1233.2	6
1I	54	-34118	-9	-2	0	3	-6	1245.7	13.8	0.9	0.0	1259.5	6
1M	54	-33542	-9	-2	0	3	-6	1224.6	13.8	0.9	0.0	1238.4	6
2	54	-44830	2	0	0	2	-2	1636.7	6.6	0.2	0.0	1643.4	6
3	54	-26720	2	0	0	1	-1	975.5	3.3	0.2	0.0	978.9	1
4	54	-27780	2	0	0	1	-1	1014.2	3.2	0.2	0.0	1017.4	1
5	54	-26390	1	0	0	1	-1	963.5	3.6	0.1	0.0	967.1	6
6	54	-54570	-9	-4	0	4	-7	1992.3	18.7	0.9	0.0	2011.0	6
7	54	-32450	-5	-2	0	2	-4	1184.7	10.6	0.5	0.0	1195.3	6
8	54	-34060	-5	-2	0	2	-4	1243.5	10.6	0.5	0.0	1254.1	6
9	54	-32690	-5	-2	0	2	-4	1193.5	11.3	0.5	0.0	1204.8	6
10	54	-47270	1	-0	0	3	-3	1725.8	8.3	0.1	0.0	1734.1	6
11	54	-28060	1	-0	0	1	-1	1024.5	4.3	0.1	0.0	1028.8	6
12	54	-29770	1	-0	0	1	-2	1086.9	4.4	0.1	0.0	1091.3	6
13	54	-27460	1	-0	0	1	-2	1002.6	4.4	0.1	0.0	1007.0	6
14	54	-51190	-8	-4	0	4	-7	1868.9	17.9	0.8	0.0	1886.8	6
15	54	-30120	-5	-2	0	2	-4	1099.7	10.0	0.4	0.0	1109.7	6
16	54	-32710	-5	-2	0	2	-4	1194.2	10.5	0.5	0.0	1204.7	6
17	54	-29730	-5	-2	0	2	-4	1085.4	10.4	0.5	0.0	1095.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-34252	2	4	14	14	14	1.00	1.00	1263.1	
1E	-33428	2	4	14	14	14	1.00	1.00	1233.0	
1I	-34128	2	4	14	14	14	1.00	1.00	1258.8	
1M	-33552	2	4	14	14	14	1.00	1.00	1237.7	
2	-44840	3	5	14	14	14	1.00	1.00	1654.6	
3	-26730	2	3	14	14	14	1.00	1.00	986.2	
4	-27780	2	3	14	14	14	1.00	1.00	1024.3	
5	-26400	2	3	14	14	14	1.00	1.00	974.3	
6	-54590	3	6	14	14	14	1.00	1.00	2013.3	
7	-32460	2	3	14	14	14	1.00	1.00	1196.7	
8	-34060	2	3	14	14	14	1.00	1.00	1255.0	
9	-32690	2	4	14	14	14	1.00	1.00	1205.7	
10	-47290	3	6	14	14	14	1.00	1.00	1745.4	
11	-28070	2	3	14	14	14	1.00	1.00	1035.9	
12	-29780	2	3	14	14	14	1.00	1.00	1098.3	
13	-27470	2	3	14	14	14	1.00	1.00	1014.1	
14	-51210	3	6	14	14	14	1.00	1.00	1889.4	
15	-30130	2	3	14	14	14	1.00	1.00	1111.2	
16	-32720	2	3	14	14	14	1.00	1.00	1206.1	
17	-29740	2	3	14	14	14	1.00	1.00	1097.3	

ASTA NUM. 88 NI 72 NF 106 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-34133	15	11	0	4	-11	1246.2	26.4	1.5	0.0	1272.6	6	
1E	0	-33507	15	11	0	4	-11	1223.3	26.4	1.5	0.0	1249.7	6	
1I	0	-34080	14	11	0	4	-11	1244.3	25.8	1.4	0.0	1270.1	6	
1M	0	-33560	14	11	0	4	-11	1225.3	25.8	1.4	0.0	1251.1	6	
2	0	-44940	41	20	0	6	-19	1640.7	45.5	4.0	0.0	1686.3	6	
3	0	-26630	25	12	0	4	-11	972.3	27.0	2.5	0.0	999.3	6	
4	0	-27120	26	12	0	4	-11	990.1	26.8	2.5	0.0	1017.0	6	
5	0	-26360	26	12	0	4	-12	962.4	27.5	2.5	0.0	989.9	6	
6	0	-54670	30	17	0	6	-19	1996.0	45.4	2.9	0.0	2041.4	6	
7	0	-32270	18	10	0	4	-11	1178.2	26.5	1.7	0.0	1204.7	6	
8	0	-33240	18	10	0	4	-11	1213.6	26.6	1.8	0.0	1240.2	6	
9	0	-32650	19	11	0	4	-12	1192.0	27.7	1.9	0.0	1219.8	6	
10	0	-47310	42	21	0	7	-20	1727.3	48.3	4.1	0.0	1775.6	6	
11	0	-27920	26	13	0	4	-12	1019.4	28.7	2.5	0.0	1048.0	6	
12	0	-29090	27	13	0	4	-12	1062.1	29.1	2.6	0.0	1091.1	6	
13	0	-27370	26	13	0	4	-12	999.3	28.8	2.6	0.0	1028.1	6	
14	0	-51290	28	16	0	6	-19	1872.6	44.0	2.8	0.0	1916.6	6	
15	0	-29940	17	10	0	4	-11	1093.1	25.4	1.6	0.0	1118.5	6	
16	0	-31920	18	10	0	4	-11	1165.4	26.4	1.8	0.0	1191.8	6	
17	0	-29680	17	10	0	4	-11	1083.6	26.0	1.7	0.0	1109.6	6	
1A	27	-34128	14	11	0	1	-7	1246.0	15.9	1.3	0.0	1261.9	6	
1E	27	-33502	14	11	0	1	-7	1223.1	15.9	1.3	0.0	1239.0	6	
1I	27	-34075	13	11	0	1	-7	1244.1	15.9	1.2	0.0	1259.9	6	
1M	27	-33555	13	11	0	1	-7	1225.1	15.9	1.2	0.0	1240.9	6	
2	27	-44935	33	18	0	1	-9	1640.6	20.2	3.3	0.0	1660.7	6	
3	27	-26625	20	11	0	1	-5	972.1	11.7	2.0	0.0	983.7	6	
4	27	-27120	21	11	0	1	-5	990.1	11.1	2.0	0.0	1001.3	6	
5	27	-26355	21	11	0	1	-5	962.2	11.6	2.1	0.0	973.8	6	
6	27	-54665	26	16	0	2	-12	1995.8	25.8	2.6	0.0	2021.6	6	
7	27	-32265	16	10	0	1	-7	1178.0	14.8	1.5	0.0	1192.8	6	
8	27	-33235	16	10	0	1	-6	1213.4	14.5	1.6	0.0	1227.9	6	
9	27	-32645	17	10	0	1	-7	1191.9	15.2	1.7	0.0	1207.1	6	
10	27	-47305	35	19	0	1	-10	1727.1	22.1	3.4	0.0	1749.2	6	
11	27	-27915	21	11	0	1	-6	1019.2	12.8	2.1	0.0	1031.9	6	
12	27	-29085	22	12	0	1	-6	1061.9	12.4	2.2	0.0	1074.3	6	
13	27	-27370	22	11	0	1	-6	999.3	12.6	2.1	0.0	1011.9	6	
14	27	-51285	25	16	0	2	-11	1872.4	25.3	2.4	0.0	1897.7	6	
15	27	-29935	15	9	0	1	-6	1092.9	14.4	1.4	0.0	1107.3	6	
16	27	-31915	16	10	0	1	-6	1165.2	14.4	1.6	0.0	1179.6	6	
17	27	-29675	15	9	0	1	-7	1083.4	14.6	1.5	0.0	1098.0	6	
1A	54	-34123	12	11	0	-2	-4	1245.8	9.0	1.2	0.0	1254.8	6	
1E	54	-33497	12	11	0	-2	-4	1223.0	9.0	1.2	0.0	1231.9	6	
1I	54	-34070	11	11	0	-2	-4	1243.9	9.5	1.1	0.0	1253.4	6	
1M	54	-33550	11	11	0	-2	-4	1224.9	9.5	1.1	0.0	1234.4	6	
2	54	-44930	26	16	0	-3	-1	1640.4	7.7	2.5	0.0	1648.1	1	
3	54	-26620	16	9	0	-2	-0	971.9	4.3	1.5	0.0	976.2	1	
4	54	-27120	16	9	0	-2	0	990.1	4.1	1.6	0.0	994.3	1	
5	54	-26350	16	10	0	-2	-0	962.0	4.4	1.6	0.0	966.4	1	
6	54	-54660	23	16	0	-3	-5	1995.6	12.5	2.3	0.0	2008.1	6	
7	54	-32260	14	9	0	-1	-3	1177.8	6.8	1.3	0.0	1184.6	6	
8	54	-33230	14	9	0	-2	-2	1213.2	6.3	1.4	0.0	1219.5	6	
9	54	-32640	15	10	0	-2	-3	1191.7	6.8	1.4	0.0	1198.4	6	
10	54	-47300	27	17	0	-3	-2	1726.9	8.4	2.7	0.0	1735.3	1	
11	54	-27910	16	10	0	-2	-1	1019.0	4.8	1.6	0.0	1023.7	1	
12	54	-29080	17	10	0	-2	-0	1061.7	4.6	1.7	0.0	1066.3	1	
13	54	-27370	17	10	0	-2	-0	999.3	4.8	1.6	0.0	1004.0	1	
14	54	-51280	21	15	0	-2	-5	1872.2	12.8	2.1	0.0	1885.0	6	
15	54	-29930	13	9	0	-1	-3	1092.7	7.0	1.2	0.0	1099.7	6	
16	54	-31910	14	9	0	-2	-2	1165.0	6.2	1.4	0.0	1171.2	6	
17	54	-29670	13	9	0	-1	-3	1083.2	6.9	1.3	0.0	1090.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-34133	2	8	14	14	14	1.00	1.00	1267.0	
1E	-33507	2	8	14	14	14	1.00	1.00	1244.1	
1I	-34080	2	8	14	14	14	1.00	1.00	1264.9	
1M	-33560	2	8	14	14	14	1.00	1.00	1245.9	
2	-44940	3	12	14	14	14	1.00	1.00	1671.7	
3	-26630	2	7	14	14	14	1.00	1.00	990.4	
4	-27120	2	7	14	14	14	1.00	1.00	1007.8	
5	-26360	2	7	14	14	14	1.00	1.00	980.6	
6	-54670	3	13	14	14	14	1.00	1.00	2030.6	
7	-32270	2	8	14	14	14	1.00	1.00	1198.2	
8	-33240	2	8	14	14	14	1.00	1.00	1233.4	
9	-32650	2	8	14	14	14	1.00	1.00	1212.6	
10	-47310	3	13	14	14	14	1.00	1.00	1760.6	
11	-27920	2	7	14	14	14	1.00	1.00	1038.8	

12	-29090	2	7	14	14	14	1.00	1.00	1081.3
13	-27370	2	7	14	14	14	1.00	1.00	1018.6
14	-51290	3	13	14	14	14	1.00	1.00	1906.5
15	-29940	2	8	14	14	14	1.00	1.00	1112.5
16	-31920	2	8	14	14	14	1.00	1.00	1185.0
17	-29680	2	8	14	14	14	1.00	1.00	1103.2

ASTA NUM. 89 NI 55 NF 100 Lungh. 61.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-30624	-0	1	0	0	0	1118.1	1.3	0.1	0.0	1119.4	1	
1E	0	-29416	-0	1	0	0	0	1074.0	1.3	0.1	0.0	1075.3	1	
1I	0	-30396	-1	0	0	0	1	1109.7	1.4	0.1	0.0	1111.1	6	
1M	0	-29644	-1	0	0	0	1	1082.3	1.4	0.1	0.0	1083.7	6	
2	0	-40860	29	-11	0	-3	-7	1491.8	17.7	2.9	0.0	1509.5	6	
3	0	-21630	18	-7	0	-2	-5	789.7	11.1	1.8	0.0	800.8	6	
4	0	-18340	18	-7	0	-2	-5	669.6	11.1	1.8	0.0	680.7	6	
5	0	-23400	19	-7	0	-2	-5	854.3	11.6	1.8	0.0	865.9	6	
6	0	-49310	8	-4	0	-1	-2	1800.3	5.4	0.8	0.0	1805.7	6	
7	0	-25100	6	-2	0	-1	-1	916.4	3.5	0.5	0.0	919.9	6	
8	0	-22410	6	-2	0	-0	-1	818.2	3.3	0.5	0.0	821.5	6	
9	0	-29020	6	-3	0	-1	-2	1059.5	4.0	0.6	0.0	1063.5	6	
10	0	-42470	29	-11	0	-3	-7	1550.6	17.9	2.8	0.0	1568.4	6	
11	0	-22440	18	-7	0	-2	-5	819.3	11.2	1.8	0.0	830.5	6	
12	0	-19520	18	-7	0	-2	-5	712.7	11.2	1.8	0.0	723.9	6	
13	0	-23830	18	-7	0	-2	-5	870.0	11.6	1.8	0.0	881.7	6	
14	0	-45950	9	-4	0	-1	-2	1677.6	5.9	0.9	0.0	1683.5	6	
15	0	-22770	6	-2	0	-1	-1	831.3	3.7	0.6	0.0	835.0	6	
16	0	-20590	6	-2	0	-1	-1	751.7	3.6	0.6	0.0	755.3	6	
17	0	-25870	6	-3	0	-1	-2	944.5	4.1	0.6	0.0	948.6	6	
1A	31	-30614	-2	1	0	0	0	1117.7	0.1	0.2	0.0	1117.8	1	
1E	31	-29406	-2	1	0	0	0	1073.6	0.1	0.2	0.0	1073.7	1	
1I	31	-30386	-3	0	0	0	-0	1109.4	0.2	0.3	0.0	1109.6	6	
1M	31	-29634	-3	0	0	0	-0	1081.9	0.2	0.3	0.0	1082.1	6	
2	31	-40850	20	-9	0	0	0	1491.4	0.9	2.0	0.0	1492.4	6	
3	31	-21625	13	-6	0	0	0	789.5	0.7	1.3	0.0	790.2	6	
4	31	-18335	13	-6	0	0	0	669.4	0.8	1.3	0.0	670.2	6	
5	31	-23395	13	-6	0	0	0	854.1	0.4	1.3	0.0	854.5	1	
6	31	-49305	5	-3	0	0	-0	1800.1	0.5	0.4	0.0	1800.6	6	
7	31	-25095	3	-2	0	0	-0	916.2	0.3	0.3	0.0	916.5	1	
8	31	-22405	3	-2	0	0	-0	818.0	0.5	0.3	0.0	818.5	1	
9	31	-29010	3	-2	0	0	-0	1059.1	0.6	0.3	0.0	1059.7	6	
10	31	-42465	20	-9	0	0	0	1550.4	0.6	2.0	0.0	1551.0	6	
11	31	-22435	13	-6	0	0	0	819.1	0.5	1.3	0.0	819.6	6	
12	31	-19515	13	-6	0	0	0	712.5	0.6	1.3	0.0	713.1	1	
13	31	-23825	13	-6	0	0	0	869.8	0.2	1.3	0.0	870.1	1	
14	31	-45940	5	-3	0	0	-0	1677.3	0.5	0.5	0.0	1677.8	6	
15	31	-22765	3	-2	0	0	-0	831.1	0.3	0.3	0.0	831.4	6	
16	31	-20585	3	-2	0	0	-0	751.6	0.4	0.3	0.0	752.0	1	
17	31	-25865	3	-2	0	-0	-0	944.3	0.5	0.3	0.0	944.9	6	
1A	62	-30604	-3	1	0	-0	-1	1117.3	1.9	0.3	0.0	1119.2	6	
1E	62	-29396	-3	1	0	-0	-1	1073.2	1.9	0.3	0.0	1075.1	6	
1I	62	-30376	-5	0	0	-0	-1	1109.0	2.6	0.4	0.0	1111.6	6	
1M	62	-29624	-5	0	0	-0	-1	1081.6	2.6	0.4	0.0	1084.2	6	
2	62	-40840	12	-6	0	3	5	1491.1	13.4	1.2	0.0	1504.4	6	
3	62	-21620	8	-4	0	2	3	789.3	8.6	0.7	0.0	798.0	6	
4	62	-18330	8	-4	0	2	3	669.2	8.8	0.8	0.0	678.0	6	
5	62	-23390	8	-4	0	2	3	854.0	8.4	0.8	0.0	862.4	6	
6	62	-49300	1	-3	0	1	1	1799.9	2.6	0.3	0.0	1802.5	1	
7	62	-25090	1	-2	0	1	1	916.0	2.0	0.2	0.0	918.0	1	
8	62	-22400	1	-2	0	1	1	817.8	2.1	0.2	0.0	819.9	1	
9	62	-29000	1	-2	0	1	0	1058.8	1.7	0.2	0.0	1060.4	1	
10	62	-42460	12	-6	0	2	5	1550.2	12.9	1.1	0.0	1563.1	6	
11	62	-22430	8	-4	0	2	3	818.9	8.4	0.7	0.0	827.3	6	
12	62	-19510	8	-4	0	2	3	712.3	8.4	0.7	0.0	720.7	6	
13	62	-23820	8	-4	0	2	3	869.7	8.2	0.8	0.0	877.8	6	
14	62	-45930	1	-3	0	1	1	1676.9	2.6	0.3	0.0	1679.5	1	
15	62	-22760	1	-2	0	1	1	831.0	1.9	0.2	0.0	832.8	1	
16	62	-20580	1	-2	0	1	1	751.4	2.0	0.2	0.0	753.4	1	
17	62	-25860	1	-2	0	1	0	944.1	1.6	0.2	0.0	945.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30624	0	0	16	16	16	1.01	1.00	1130.4	
1E	-29416	0	0	16	16	16	1.01	1.00	1085.8	
1I	-30396	0	0	16	16	16	1.01	1.00	1122.1	
1M	-29644	0	0	16	16	16	1.01	1.00	1094.4	
2	-40860	1	3	16	16	16	1.01	1.00	1515.4	
3	-21630	1	2	16	16	16	1.01	1.00	803.0	
4	-18340	1	2	16	16	16	1.01	1.00	681.7	
5	-23400	1	2	16	16	16	1.01	1.00	868.5	
6	-49310	0	1	16	16	16	1.01	1.00	1821.4	
7	-25100	0	1	16	16	16	1.01	1.00	927.5	
8	-22410	0	1	16	16	16	1.01	1.00	828.3	
9	-29020	0	1	16	16	16	1.01	1.00	1072.5	
10	-42470	1	3	16	16	16	1.01	1.00	1574.9	
11	-22440	1	2	16	16	16	1.01	1.00	832.9	
12	-19520	1	2	16	16	16	1.01	1.00	725.2	
13	-23830	1	2	16	16	16	1.01	1.00	884.4	
14	-45950	0	1	16	16	16	1.01	1.00	1697.8	
15	-22770	0	1	16	16	16	1.01	1.00	841.6	
16	-20590	0	1	16	16	16	1.01	1.00	761.3	
17	-25870	0	1	16	16	16	1.01	1.00	956.3	

ASTA NUM. 90 NI 63 NF 102 Lungh. 56.7 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-30949	3	-0	0	-0	-3	1129.9	5.6	0.3	0.0	1135.5	6	
1E	0	-29931	3	-0	0	-0	-3	1092.8	5.6	0.3	0.0	1098.4	6	
1I	0	-30771	2	-1	0	-1	-2	1123.4	4.9	0.2	0.0	1128.3	6	
1M	0	-30109	2	-1	0	-1	-2	1099.3	4.9	0.2	0.0	1104.1	6	
2	0	-41170	30	-11	0	-3	-9	1503.1	22.0	2.9	0.0	1525.1	6	
3	0	-21900	19	-7	0	-2	-6	799.6	13.2	1.8	0.0	812.7	6	
4	0	-19020	19	-7	0	-2	-5	694.4	13.0	1.8	0.0	707.4	6	
5	0	-23640	19	-7	0	-2	-6	863.1	13.2	1.8	0.0	876.2	6	
6	0	-49890	12	-5	0	-2	-6	1821.5	13.7	1.2	0.0	1835.2	6	
7	0	-25590	7	-3	0	-1	-3	934.3	7.8	0.7	0.0	942.0	6	
8	0	-23380	7	-3	0	-1	-3	853.6	7.8	0.7	0.0	861.4	6	
9	0	-29420	8	-3	0	-1	-3	1074.1	8.0	0.7	0.0	1082.1	6	
10	0	-42920	30	-11	0	-3	-10	1567.0	22.7	2.9	0.0	1589.7	6	
11	0	-22800	19	-7	0	-2	-6	832.4	13.6	1.8	0.0	846.0	6	
12	0	-20280	19	-7	0	-2	-6	740.4	13.5	1.8	0.0	753.9	6	
13	0	-24150	19	-7	0	-2	-6	881.7	13.5	1.8	0.0	895.2	6	
14	0	-46520	12	-5	0	-2	-6	1698.4	13.7	1.2	0.0	1712.1	6	
15	0	-23260	7	-3	0	-1	-3	849.2	7.6	0.7	0.0	856.8	6	
16	0	-21540	7	-3	0	-1	-3	786.4	7.7	0.7	0.0	794.1	6	
17	0	-26270	7	-3	0	-1	-3	959.1	7.7	0.7	0.0	966.9	6	
1A	28	-30939	2	-0	0	-0	-2	1129.6	4.1	0.2	0.0	1133.7	6	
1E	28	-29921	2	-0	0	-0	-2	1092.4	4.1	0.2	0.0	1096.6	6	
1I	28	-30761	0	-1	0	-0	-2	1123.1	4.0	0.1	0.0	1127.1	6	
1M	28	-30099	0	-1	0	-0	-2	1098.9	4.0	0.1	0.0	1102.9	6	
2	28	-41165	22	-9	0	-0	-2	1502.9	4.1	2.2	0.0	1507.0	6	
3	28	-21900	14	-6	0	-0	-1	799.6	2.1	1.3	0.0	801.6	6	
4	28	-19015	14	-6	0	-0	-1	694.2	2.0	1.3	0.0	696.2	6	
5	28	-23635	14	-6	0	-0	-1	862.9	2.1	1.3	0.0	865.0	6	
6	28	-49885	9	-4	0	-1	-3	1821.3	6.5	0.8	0.0	1827.8	6	
7	28	-25585	5	-3	0	-0	-2	934.1	3.4	0.5	0.0	937.5	6	
8	28	-23375	5	-3	0	-0	-2	853.4	3.4	0.5	0.0	856.8	6	
9	28	-29415	5	-3	0	-0	-2	1073.9	3.5	0.5	0.0	1077.5	6	
10	28	-42910	22	-9	0	-0	-2	1566.6	4.8	2.2	0.0	1571.4	6	
11	28	-22795	14	-6	0	-0	-1	832.2	2.5	1.3	0.0	834.7	6	
12	28	-20275	14	-6	0	-0	-1	740.2	2.4	1.3	0.0	742.7	6	
13	28	-24145	14	-6	0	-0	-1	881.5	2.4	1.3	0.0	883.9	6	
14	28	-46510	9	-5	0	-1	-3	1698.1	6.4	0.8	0.0	1704.4	6	
15	28	-23255	5	-3	0	-0	-1	849.0	3.3	0.5	0.0	852.3	6	
16	28	-21535	5	-3	0	-0	-2	786.2	3.4	0.5	0.0	789.6	6	
17	28	-26265	5	-3	0	-0	-2	958.9	3.4	0.5	0.0	962.3	6	
1A	57	-30929	0	-0	0	-0	-2	1129.2	3.6	0.0	0.0	1132.7	6	
1E	57	-29911	0	-0	0	-0	-2	1092.1	3.6	0.0	0.0	1095.6	6	
1I	57	-30751	-1	-1	0	-0	-2	1122.7	4.0	0.1	0.0	1126.7	6	
1M	57	-30089	-1	-1	0	-0	-2	1098.5	4.0	0.1	0.0	1102.6	6	
2	57	-41160	14	-7	0	2	3	1502.7	8.5	1.4	0.0	1511.3	6	
3	57	-21900	9	-4	0	1	2	799.6	5.7	0.9	0.0	805.3	6	
4	57	-19010	9	-4	0	1	2	694.0	5.8	0.8	0.0	699.8	6	
5	57	-23630	9	-4	0	1	2	862.7	5.8	0.9	0.0	868.5	6	
6	57	-49880	5	-4	0	1	-1	1821.1	2.4	0.5	0.0	1823.5	6	
7	57	-25580	3	-2	0	0	-0	933.9	1.3	0.3	0.0	935.2	1	
8	57	-23370	3	-2	0	1	-0	853.2	1.4	0.3	0.0	854.6	1	
9	57	-29410	3	-2	0	0	-0	1073.7	1.2	0.3	0.0	1074.9	1	

10	57	-42900	14	-7	0	2	3	1566.3	7.9	1.4	0.0	1574.1	6
11	57	-22790	9	-4	0	1	2	832.1	5.3	0.9	0.0	837.4	6
12	57	-20270	9	-4	0	1	2	740.1	5.4	0.8	0.0	745.4	6
13	57	-24140	9	-4	0	1	2	881.3	5.4	0.9	0.0	886.8	6
14	57	-46500	5	-4	0	1	-1	1697.7	2.5	0.5	0.0	1700.2	6
15	57	-23250	3	-2	0	1	-0	848.8	1.4	0.3	0.0	850.3	1
16	57	-21530	3	-2	0	1	-0	786.1	1.5	0.3	0.0	787.6	1
17	57	-26260	3	-2	0	0	-0	958.7	1.3	0.3	0.0	960.0	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30949	0	2	15	15	15	1.00	1.00	1135.2	
1E	-29931	0	2	15	15	15	1.00	1.00	1098.1	
1I	-30771	0	2	15	15	15	1.00	1.00	1128.6	
1M	-30109	0	2	15	15	15	1.00	1.00	1104.4	
2	-41170	1	4	15	15	15	1.00	1.00	1514.8	
3	-21900	1	2	15	15	15	1.00	1.00	806.3	
4	-19020	1	2	15	15	15	1.00	1.00	701.0	
5	-23640	1	2	15	15	15	1.00	1.00	869.8	
6	-49890	1	4	15	15	15	1.00	1.00	1831.6	
7	-25590	0	2	15	15	15	1.00	1.00	939.7	
8	-23380	0	2	15	15	15	1.00	1.00	859.0	
9	-29420	0	2	15	15	15	1.00	1.00	1079.8	
10	-42920	1	5	15	15	15	1.00	1.00	1579.5	
11	-22800	1	3	15	15	15	1.00	1.00	839.6	
12	-20280	1	3	15	15	15	1.00	1.00	747.5	
13	-24150	1	3	15	15	15	1.00	1.00	888.8	
14	-46520	1	4	15	15	15	1.00	1.00	1708.5	
15	-23260	0	2	15	15	15	1.00	1.00	854.5	
16	-21540	0	2	15	15	15	1.00	1.00	791.8	
17	-26270	0	2	15	15	15	1.00	1.00	964.5	

ASTA NUM. 91 NI 67 NF 105 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-30712	-5	4	0	-1	-2	1121.3	4.1	0.5	0.0	1125.4	6	
1E	0	-29888	-5	4	0	-1	-2	1091.2	4.1	0.5	0.0	1095.3	6	
1I	0	-30588	-6	4	0	-1	-1	1116.8	3.6	0.6	0.0	1120.4	6	
1M	0	-30012	-6	4	0	-1	-1	1095.7	3.6	0.6	0.0	1099.3	6	
2	0	-40750	18	-5	0	-3	-7	1487.8	18.2	1.7	0.0	1506.0	6	
3	0	-21780	12	-3	0	-2	-4	795.2	11.0	1.2	0.0	806.2	6	
4	0	-19380	12	-4	0	-2	-4	707.6	11.0	1.2	0.0	718.5	6	
5	0	-23460	11	-3	0	-2	-4	856.5	11.0	1.1	0.0	867.5	6	
6	0	-49560	-2	2	0	-2	-4	1809.4	10.8	0.2	0.0	1820.2	6	
7	0	-25600	0	1	0	-1	-2	934.6	6.3	0.1	0.0	940.9	6	
8	0	-23930	0	1	0	-1	-3	873.7	6.3	0.1	0.0	880.0	6	
9	0	-29300	-1	1	0	-1	-2	1069.7	6.3	0.1	0.0	1076.0	6	
10	0	-42560	17	-4	0	-3	-8	1553.9	18.9	1.7	0.0	1572.7	6	
11	0	-22720	12	-3	0	-2	-5	829.5	11.4	1.1	0.0	840.9	6	
12	0	-20650	12	-3	0	-2	-5	753.9	11.4	1.1	0.0	765.3	6	
13	0	-24020	11	-3	0	-2	-5	877.0	11.3	1.1	0.0	888.3	6	
14	0	-46190	-1	2	0	-2	-4	1686.4	11.0	0.2	0.0	1697.4	6	
15	0	-23280	1	1	0	-1	-2	849.9	6.3	0.1	0.0	856.3	6	
16	0	-22070	1	1	0	-1	-3	805.8	6.4	0.1	0.0	812.2	6	
17	0	-26170	0	1	0	-1	-2	955.5	6.3	0.1	0.0	961.8	6	
1A	27	-30707	-6	4	0	-2	-3	1121.1	8.2	0.6	0.0	1129.3	6	
1E	27	-29883	-6	4	0	-2	-3	1091.0	8.2	0.6	0.0	1099.3	6	
1I	27	-30583	-7	4	0	-2	-3	1116.6	8.2	0.7	0.0	1124.8	6	
1M	27	-30007	-7	4	0	-2	-3	1095.5	8.2	0.7	0.0	1103.8	6	
2	27	-40745	10	-3	0	-2	-4	1487.6	9.5	1.0	0.0	1497.1	6	
3	27	-21780	7	-2	0	-1	-2	795.2	5.0	0.7	0.0	800.2	6	
4	27	-19375	7	-2	0	-1	-2	707.4	4.7	0.7	0.0	712.1	6	
5	27	-23460	7	-2	0	-1	-2	856.5	5.2	0.7	0.0	861.7	6	
6	27	-49555	-5	3	0	-3	-5	1809.2	13.2	0.5	0.0	1822.5	6	
7	27	-25595	-2	1	0	-2	-3	934.5	6.9	0.2	0.0	941.3	6	
8	27	-23930	-2	1	0	-2	-3	873.7	6.9	0.2	0.0	880.6	6	
9	27	-29295	-3	2	0	-2	-3	1069.6	7.6	0.3	0.0	1077.1	6	
10	27	-42550	9	-2	0	-3	-4	1553.5	10.8	0.9	0.0	1564.3	6	
11	27	-22715	7	-2	0	-1	-2	829.3	5.7	0.7	0.0	835.0	6	
12	27	-20645	7	-2	0	-1	-2	753.7	5.6	0.7	0.0	759.3	6	
13	27	-24015	6	-2	0	-1	-2	876.8	5.9	0.6	0.0	882.6	6	
14	27	-46180	-4	3	0	-3	-5	1686.0	12.9	0.4	0.0	1698.9	6	
15	27	-23275	-1	1	0	-2	-3	849.8	6.6	0.1	0.0	856.4	6	
16	27	-22065	-1	1	0	-2	-3	805.6	6.8	0.1	0.0	812.4	6	
17	27	-26165	-2	1	0	-2	-3	955.3	7.1	0.2	0.0	962.4	6	
1A	54	-30702	-8	4	0	-3	-5	1120.9	13.1	0.8	0.0	1134.1	6	
1E	54	-29878	-8	4	0	-3	-5	1090.8	13.1	0.8	0.0	1104.0	6	
1I	54	-30578	-9	4	0	-3	-5	1116.4	13.6	0.9	0.0	1130.0	6	
1M	54	-30002	-9	4	0	-3	-5	1095.4	13.6	0.9	0.0	1109.0	6	
2	54	-40740	2	-1	0	-2	-2	1487.4	5.6	0.2	0.0	1493.0	6	
3	54	-21780	2	-1	0	-1	-1	795.2	2.2	0.2	0.0	797.4	1	
4	54	-19370	3	-1	0	-1	-0	707.2	1.9	0.3	0.0	709.1	1	
5	54	-23460	2	-1	0	-1	-1	856.5	2.7	0.2	0.0	859.2	1	
6	54	-49550	-8	4	0	-4	-7	1809.1	17.7	0.8	0.0	1826.8	6	
7	54	-25590	-4	2	0	-2	-3	934.3	8.8	0.4	0.0	943.0	6	
8	54	-23930	-4	2	0	-2	-3	873.7	8.8	0.4	0.0	882.5	6	
9	54	-29290	-5	2	0	-2	-4	1069.4	10.1	0.5	0.0	1079.5	6	
10	54	-42540	2	0	0	-2	-3	1553.1	7.5	0.2	0.0	1560.6	6	
11	54	-22710	2	-0	0	-1	-1	829.1	3.2	0.2	0.0	832.3	1	
12	54	-20640	2	-0	0	-1	-1	753.6	3.0	0.2	0.0	756.5	1	
13	54	-24010	2	-0	0	-1	-1	876.6	3.5	0.2	0.0	880.1	1	
14	54	-46170	-8	3	0	-4	-7	1685.7	16.9	0.7	0.0	1702.5	6	
15	54	-23270	-3	1	0	-2	-3	849.6	8.2	0.3	0.0	857.8	6	
16	54	-22060	-3	2	0	-2	-3	805.4	8.5	0.3	0.0	813.9	6	
17	54	-26160	-4	2	0	-2	-4	955.1	9.2	0.4	0.0	964.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-30712	2	4	14	14	14	1.00	1.00	1133.7	
1E	-29888	2	4	14	14	14	1.00	1.00	1103.6	
1I	-30588	2	4	14	14	14	1.00	1.00	1129.2	
1M	-30012	2	4	14	14	14	1.00	1.00	1108.1	
2	-40750	3	5	14	14	14	1.00	1.00	1504.7	
3	-21780	2	3	14	14	14	1.00	1.00	804.6	
4	-19380	1	3	14	14	14	1.00	1.00	716.7	
5	-23460	2	3	14	14	14	1.00	1.00	866.2	
6	-49560	3	6	14	14	14	1.00	1.00	1828.9	
7	-25600	2	3	14	14	14	1.00	1.00	944.7	
8	-23930	2	3	14	14	14	1.00	1.00	883.7	
9	-29300	2	3	14	14	14	1.00	1.00	1080.9	
10	-42560	3	6	14	14	14	1.00	1.00	1572.3	
11	-22720	2	3	14	14	14	1.00	1.00	839.8	
12	-20650	2	3	14	14	14	1.00	1.00	764.1	
13	-24020	2	3	14	14	14	1.00	1.00	887.4	
14	-46190	3	6	14	14	14	1.00	1.00	1705.4	
15	-23280	2	3	14	14	14	1.00	1.00	859.6	
16	-22070	2	3	14	14	14	1.00	1.00	815.7	
17	-26170	2	3	14	14	14	1.00	1.00	965.9	

ASTA NUM. 92 NI 71 NF 107 Lungh. 54.1 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	13.8604	3.4651	--	--	5.1608	22.4864 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-31243	13	-7	0	-3	-10	1140.7	24.4	1.3	0.0	1165.0	6	
1E	0	-30617	13	-7	0	-3	-10	1117.8	24.4	1.3	0.0	1142.2	6	
1I	0	-31190	12	-8	0	-3	-10	1138.7	23.9	1.2	0.0	1162.7	6	
1M	0	-30670	12	-8	0	-3	-10	1119.8	23.9	1.2	0.0	1143.7	6	
2	0	-41470	39	-19	0	-6	-18	1514.1	43.3	3.8	0.0	1557.4	6	
3	0	-22340	22	-10	0	-3	-10	815.6	24.1	2.1	0.0	839.8	6	
4	0	-20480	21	-10	0	-3	-10	747.7	23.4	2.1	0.0	771.1	6	
5	0	-23970	24	-11	0	-3	-11	875.1	25.4	2.3	0.0	900.5	6	
6	0	-50490	27	-15	0	-6	-18	1843.4	43.3	2.6	0.0	1886.6	6	
7	0	-26350	13	-8	0	-3	-10	962.0	22.8	1.3	0.0	984.8	6	
8	0	-25320	13	-8	0	-3	-10	924.4	22.8	1.3	0.0	947.2	6	
9	0	-29940	17	-9	0	-3	-11	1093.1	25.5	1.6	0.0	1118.6	6	
10	0	-43450	40	-20	0	-6	-20	1586.3	46.5	3.9	0.0	1632.8	6	
11	0	-23380	23	-11	0	-4	-11	853.6	25.9	2.2	0.0	879.5	6	
12	0	-21850	22	-11	0	-3	-11	797.7	25.5	2.2	0.0	823.3	6	
13	0	-24630	24	-12	0	-4	-11	899.2	26.8	2.4	0.0	926.1	6	
14	0	-47110	26	-15	0	-6	-18	1720.0	41.8	2.5	0.0	1761.8	6	
15	0	-24020	12	-8	0	-3	-9	877.0	21.6	1.2	0.0	898.6	6	
16	0	-23430	13	-8	0	-3	-9	855.4	22.1	1.2	0.0	877.6	6	
17	0	-26790	15	-9	0	-3	-10	978.1	23.7	1.4	0.0	1001.7	6	
1A	27	-31238	12	-7	0	-1	-7	1140.5	15.6	1.2	0.0	1156.1	6	

1E	27	-30612	12	-7	0	-1	-7	1117.6	15.6	1.2	0.0	1133.3	6
1I	27	-31185	11	-8	0	-1	-7	1138.5	15.7	1.1	0.0	1154.2	6
1M	27	-30665	11	-8	0	-1	-7	1119.6	15.7	1.1	0.0	1135.2	6
2	27	-41465	31	-16	0	-1	-9	1513.9	19.7	3.0	0.0	1533.6	6
3	27	-22335	17	-9	0	-1	-5	815.4	10.9	1.7	0.0	826.4	6
4	27	-20480	16	-9	0	-1	-5	747.7	10.6	1.6	0.0	758.3	6
5	27	-23965	19	-10	0	-1	-5	875.0	11.0	1.8	0.0	886.0	6
6	27	-50485	24	-15	0	-2	-12	1843.2	25.5	2.3	0.0	1868.7	6
7	27	-26345	11	-8	0	-1	-6	961.8	14.0	1.1	0.0	975.8	6
8	27	-25315	11	-8	0	-1	-6	924.2	14.1	1.1	0.0	938.3	6
9	27	-29935	14	-9	0	-1	-7	1092.9	14.7	1.4	0.0	1107.6	6
10	27	-43445	32	-17	0	-1	-10	1586.2	21.8	3.2	0.0	1608.0	6
11	27	-23375	18	-10	0	-1	-6	853.4	12.2	1.7	0.0	865.6	6
12	27	-21845	18	-10	0	-1	-5	797.6	11.9	1.7	0.0	809.5	6
13	27	-24625	19	-10	0	-1	-5	899.1	12.1	1.9	0.0	911.1	6
14	27	-47100	22	-14	0	-2	-11	1719.6	25.1	2.2	0.0	1744.7	6
15	27	-24015	10	-7	0	-1	-6	876.8	13.6	1.0	0.0	890.4	6
16	27	-23425	11	-7	0	-1	-6	855.2	13.8	1.0	0.0	869.1	6
17	27	-26785	13	-8	0	-1	-6	977.9	14.0	1.2	0.0	991.9	6
1A	54	-31233	10	-7	0	1	-4	1140.3	9.4	1.0	0.0	1149.8	6
1E	54	-30607	10	-7	0	1	-4	1117.4	9.4	1.0	0.0	1126.9	6
1I	54	-31180	9	-8	0	1	-4	1138.4	9.9	0.9	0.0	1148.3	6
1M	54	-30660	9	-8	0	1	-4	1119.4	9.9	0.9	0.0	1129.3	6
2	54	-41460	23	-14	0	3	-2	1513.7	7.6	2.3	0.0	1521.3	1
3	54	-22330	12	-8	0	2	-1	815.3	4.4	1.2	0.0	819.7	1
4	54	-20480	12	-8	0	2	-1	747.7	4.3	1.2	0.0	752.0	1
5	54	-23960	14	-9	0	2	-1	874.8	4.4	1.4	0.0	879.2	1
6	54	-50480	20	-14	0	2	-6	1843.0	13.6	2.0	0.0	1856.6	6
7	54	-26340	9	-7	0	1	-4	961.7	8.4	0.9	0.0	970.0	6
8	54	-25310	9	-7	0	1	-4	924.1	8.5	0.9	0.0	932.6	6
9	54	-29930	12	-9	0	1	-3	1092.7	7.6	1.2	0.0	1100.3	6
10	54	-43440	25	-15	0	3	-2	1586.0	8.4	2.4	0.0	1594.4	1
11	54	-23370	13	-8	0	2	-1	853.2	4.8	1.3	0.0	858.1	1
12	54	-21840	13	-8	0	2	-1	797.4	4.8	1.3	0.0	802.2	1
13	54	-24620	15	-9	0	2	-1	898.9	4.8	1.4	0.0	903.7	1
14	54	-47090	19	-14	0	2	-6	1719.2	14.0	1.8	0.0	1733.2	6
15	54	-24010	8	-7	0	1	-4	876.6	8.6	0.8	0.0	885.2	6
16	54	-23420	9	-7	0	1	-4	855.1	8.6	0.8	0.0	863.7	6
17	54	-26780	11	-8	0	1	-3	977.7	7.8	1.0	0.0	985.5	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-31243	1	8	14	14	14	1.00	1.00	1160.3	
1E	-30617	1	8	14	14	14	1.00	1.00	1137.4	
1I	-31190	1	8	14	14	14	1.00	1.00	1158.4	
1M	-30670	1	8	14	14	14	1.00	1.00	1139.4	
2	-41470	2	12	14	14	14	1.00	1.00	1543.9	
3	-22340	1	7	14	14	14	1.00	1.00	832.2	
4	-20480	1	6	14	14	14	1.00	1.00	763.8	
5	-23970	1	7	14	14	14	1.00	1.00	892.2	
6	-50490	2	13	14	14	14	1.00	1.00	1877.0	
7	-26350	1	7	14	14	14	1.00	1.00	980.1	
8	-25320	1	7	14	14	14	1.00	1.00	942.5	
9	-29940	1	8	14	14	14	1.00	1.00	1112.5	
10	-43450	3	13	14	14	14	1.00	1.00	1618.8	
11	-23380	1	7	14	14	14	1.00	1.00	871.7	
12	-21850	1	7	14	14	14	1.00	1.00	815.5	
13	-24630	1	7	14	14	14	1.00	1.00	917.5	
14	-47110	2	13	14	14	14	1.00	1.00	1752.9	
15	-24020	1	7	14	14	14	1.00	1.00	894.4	
16	-23430	1	7	14	14	14	1.00	1.00	873.2	
17	-26790	1	7	14	14	14	1.00	1.00	996.4	

ASTA NUM. 93 NI 49 NF 113 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25500	5	4	0	1	-1	1214.3	4.7	0.7	0.0	1219.0	1	
1E	0	25920	5	4	0	1	-1	1234.3	4.7	0.7	0.0	1239.0	1	
1I	0	25406	5	4	0	1	-1	1209.8	3.7	0.6	0.0	1213.5	6	
1M	0	26014	5	4	0	1	-1	1238.8	3.7	0.6	0.0	1242.5	6	
2	0	34870	24	2	0	1	-3	1660.5	11.2	3.2	0.0	1671.7	6	
3	0	19270	15	0	0	-0	-2	917.6	6.5	2.0	0.0	924.2	6	
4	0	20060	15	-0	0	-1	-2	955.2	6.7	2.0	0.0	962.0	6	
5	0	18360	15	-0	0	-1	-2	874.3	7.8	2.0	0.0	882.0	6	
6	0	41870	12	5	0	1	-2	1993.8	7.8	1.6	0.0	2001.6	6	
7	0	22530	7	2	0	-0	-1	1072.9	3.7	1.0	0.0	1076.5	6	
8	0	24350	7	1	0	-0	-1	1159.5	3.7	1.0	0.0	1163.2	6	
9	0	22440	8	1	0	-0	-2	1068.6	5.1	1.0	0.0	1073.6	6	
10	0	40900	24	3	0	1	-4	1947.6	12.0	3.2	0.0	1959.6	6	
11	0	22850	15	1	0	-0	-2	1088.1	6.6	2.0	0.0	1094.7	6	
12	0	23980	15	0	0	-0	-2	1141.9	6.8	2.0	0.0	1148.7	6	
13	0	21750	15	0	0	-0	-2	1035.7	7.7	2.0	0.0	1043.4	6	
14	0	43180	13	5	0	1	-2	2056.2	8.5	1.7	0.0	2064.6	6	
15	0	23170	8	2	0	-0	-1	1103.3	3.8	1.0	0.0	1107.2	6	
16	0	25430	8	1	0	-0	-1	1211.0	4.0	1.0	0.0	1215.0	6	
17	0	22590	8	2	0	-0	-2	1075.7	5.1	1.0	0.0	1080.8	6	
1A	35	25505	3	4	0	-0	0	1214.5	1.3	0.5	0.0	1215.8	6	
1E	35	25925	3	4	0	-0	0	1234.5	1.3	0.5	0.0	1235.9	6	
1I	35	25411	2	4	0	-0	0	1210.0	1.2	0.5	0.0	1211.2	1	
1M	35	26019	2	4	0	-0	0	1239.0	1.2	0.5	0.0	1240.2	1	
2	35	34875	14	3	0	-0	3	1660.7	9.9	1.9	0.0	1670.6	6	
3	35	19270	9	1	0	-0	2	917.6	6.8	1.2	0.0	924.4	6	
4	35	20065	9	0	0	-0	2	955.5	6.9	1.2	0.0	962.4	6	
5	35	18365	9	0	0	-1	2	874.5	6.3	1.2	0.0	880.9	6	
6	35	41875	7	5	0	-1	1	1994.0	4.4	0.9	0.0	1998.4	6	
7	35	22535	4	2	0	-1	1	1073.1	3.6	0.6	0.0	1076.7	6	
8	35	24355	4	2	0	-1	1	1159.8	3.7	0.5	0.0	1163.4	6	
9	35	22445	4	2	0	-1	1	1068.8	3.5	0.6	0.0	1072.4	1	
10	35	40905	14	4	0	-0	3	1947.9	9.6	1.9	0.0	1957.4	6	
11	35	22855	9	1	0	-0	2	1088.3	6.6	1.2	0.0	1094.9	6	
12	35	23980	9	1	0	-1	2	1141.9	6.7	1.2	0.0	1148.6	6	
13	35	21755	9	1	0	-1	2	1036.0	6.2	1.2	0.0	1042.1	6	
14	35	43190	7	5	0	-1	1	2056.7	4.4	1.0	0.0	2061.1	6	
15	35	23175	4	2	0	-1	1	1103.6	3.6	0.6	0.0	1107.2	6	
16	35	25430	4	2	0	-1	1	1211.0	3.6	0.6	0.0	1214.5	1	
17	35	22595	4	2	0	-1	1	1076.0	3.5	0.6	0.0	1079.5	1	
1A	69	25510	-0	4	0	-1	1	1214.8	4.9	0.5	0.0	1219.7	1	
1E	69	25930	-0	4	0	-1	1	1234.8	4.9	0.5	0.0	1239.7	1	
1I	69	25416	-1	4	0	-1	0	1210.3	4.8	0.5	0.0	1215.1	1	
1M	69	26024	-1	4	0	-1	0	1239.3	4.8	0.5	0.0	1244.0	1	
2	69	34880	5	4	0	-1	6	1661.0	21.2	0.6	0.0	1682.2	6	
3	69	19270	3	1	0	-1	4	917.6	13.3	0.4	0.0	931.0	6	
4	69	20070	3	1	0	-1	4	955.7	13.3	0.4	0.0	969.0	6	
5	69	18370	3	1	0	-1	4	874.8	13.0	0.4	0.0	887.8	6	
6	69	41880	1	6	0	-3	3	1994.3	10.9	0.7	0.0	2005.2	6	
7	69	22540	1	2	0	-1	2	1073.3	6.9	0.2	0.0	1080.2	6	
8	69	24360	1	2	0	-1	2	1160.0	6.8	0.2	0.0	1166.8	6	
9	69	22450	1	2	0	-2	2	1069.0	6.5	0.2	0.0	1075.5	6	
10	69	40910	5	5	0	-2	6	1948.1	21.4	0.7	0.0	1969.5	6	
11	69	22860	3	2	0	-1	4	1088.6	13.4	0.4	0.0	1102.0	6	
12	69	23980	3	1	0	-1	4	1141.9	13.3	0.4	0.0	1155.2	6	
13	69	21760	3	2	0	-1	4	1036.2	13.1	0.4	0.0	1049.3	6	
14	69	43200	2	6	0	-3	3	2057.1	11.4	0.8	0.0	2068.5	6	
15	69	23180	1	2	0	-1	2	1103.8	7.0	0.3	0.0	1110.8	6	
16	69	25430	1	2	0	-1	2	1211.0	6.9	0.2	0.0	1217.8	6	
17	69	22600	1	2	0	-2	2	1076.2	6.6	0.2	0.0	1082.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25510	1	0	30	19	19	1.00	1.00	1217.5	
1E	25930	1	0	30	19	19	1.00	1.00	1237.6	
1I	25416	1	0	30	19	19	1.00	1.00	1213.3	
1M	26024	1	0	30	19	19	1.00	1.00	1242.3	
2	34880	1	3	30	19	19	1.00	1.00	1670.8	
3	19270	1	2	30	19	19	1.00	1.00	924.3	
4	20070	1	2	30	19	19	1.00	1.00	962.6	
5	18370	1	2	30	19	19	1.00	1.00	881.8	
6	41880	1	1	30	19	19	1.00	1.00	2000.8	
7	22540	1	1	30	19	19	1.00	1.00	1078.3	
8	24360	1	1	30	19	19	1.00	1.00	1164.9	
9	22450	1	1	30	19	19	1.00	1.00	1074.2	
10	40910	1	3	30	19	19	1.00	1.00	1958.1	
11	22860	1	2	30	19	19	1.00	1.00	1095.4	
12	23980	1	2	30	19	19	1.00	1.00	1148.9	
13	21760	1	2	30	19	19	1.00	1.00	1043.3	
14	43200	1	1	30	19	19	1.00	1.00	2063.9	
15	23180	1	1	30	19	19	1.00	1.00	1108.8	
16	25430	1	1	30	19	19	1.00	1.00	1216.1	
17	22600	1	1	30	19	19	1.00	1.00	1081.4	

ASTA NUM. 94 NI 75 NF 114 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	25520	6	-2	0	-0	-2	1215.2	7.1	0.8	0.0	1222.4	6	
1E	0	25900	6	-2	0	-0	-2	1233.3	7.1	0.8	0.0	1240.5	6	
1I	0	25439	5	-3	0	-0	-2	1211.4	6.5	0.7	0.0	1217.9	6	
1M	0	25981	5	-3	0	-0	-2	1237.2	6.5	0.7	0.0	1243.7	6	
2	0	34680	28	-9	0	-2	-8	1651.4	26.7	3.7	0.0	1678.1	6	
3	0	19210	17	-5	0	-1	-5	914.8	16.2	2.3	0.0	931.0	6	
4	0	19920	17	-5	0	-1	-5	948.6	16.1	2.3	0.0	964.7	6	
5	0	18460	17	-5	0	-1	-5	879.0	16.1	2.3	0.0	895.2	6	
6	0	41810	14	-7	0	-1	-5	1991.0	16.9	1.8	0.0	2007.9	6	
7	0	22590	9	-4	0	-1	-3	1075.7	10.0	1.2	0.0	1085.7	6	
8	0	24300	9	-4	0	-1	-3	1157.1	9.9	1.1	0.0	1167.1	6	
9	0	22680	9	-4	0	-1	-3	1080.0	10.0	1.1	0.0	1090.0	6	
10	0	40690	28	-9	0	-2	-8	1937.6	27.2	3.7	0.0	1964.9	6	
11	0	22780	17	-5	0	-1	-5	1084.8	16.6	2.3	0.0	1101.3	6	
12	0	23830	17	-5	0	-1	-5	1134.8	16.4	2.3	0.0	1151.2	6	
13	0	21830	17	-5	0	-1	-5	1039.5	16.4	2.3	0.0	1055.9	6	
14	0	43130	14	-7	0	-1	-5	2053.8	17.3	1.9	0.0	2071.1	6	
15	0	23230	9	-4	0	-1	-3	1106.2	9.8	1.1	0.0	1116.0	6	
16	0	25370	9	-4	0	-1	-3	1208.1	9.9	1.1	0.0	1218.0	6	
17	0	22820	9	-4	0	-1	-3	1086.7	9.8	1.1	0.0	1096.5	6	
1A	32	25525	3	-2	0	1	-1	1215.5	3.3	0.4	0.0	1218.8	6	
1E	32	25905	3	-2	0	1	-1	1233.6	3.3	0.4	0.0	1236.9	6	
1I	32	25444	2	-3	0	1	-1	1211.6	3.2	0.4	0.0	1214.8	6	
1M	32	25986	2	-3	0	1	-1	1237.4	3.2	0.4	0.0	1240.6	6	
2	32	34685	19	-8	0	1	-1	1651.7	2.9	2.5	0.0	1654.6	1	
3	32	19215	12	-5	0	0	-0	915.0	1.5	1.6	0.0	916.5	1	
4	32	19925	12	-4	0	0	-0	948.8	1.6	1.6	0.0	950.4	1	
5	32	18460	12	-5	0	0	-0	879.0	1.5	1.6	0.0	880.5	1	
6	32	41820	9	-7	0	1	-1	1991.4	5.3	1.2	0.0	1996.8	6	
7	32	22595	6	-4	0	0	-1	1076.0	2.7	0.7	0.0	1078.6	6	
8	32	24300	6	-4	0	1	-1	1157.1	2.8	0.7	0.0	1159.9	6	
9	32	22685	5	-4	0	0	-1	1080.2	2.7	0.7	0.0	1083.0	6	
10	32	40695	19	-8	0	1	-1	1937.9	3.6	2.5	0.0	1941.4	1	
11	32	22785	12	-5	0	0	-0	1085.0	1.9	1.6	0.0	1086.9	1	
12	32	23830	12	-5	0	1	-0	1134.8	2.0	1.6	0.0	1136.7	1	
13	32	21835	12	-5	0	0	-0	1039.8	1.8	1.6	0.0	1041.6	1	
14	32	43135	9	-7	0	1	-1	2054.0	5.2	1.2	0.0	2059.2	6	
15	32	23235	5	-4	0	0	-1	1106.4	2.6	0.7	0.0	1109.1	6	
16	32	25375	5	-4	0	1	-1	1208.3	2.8	0.7	0.0	1211.1	6	
17	32	22820	5	-4	0	0	-1	1086.7	2.6	0.7	0.0	1089.3	6	
1A	64	25530	1	-2	0	1	-0	1215.7	4.1	0.3	0.0	1219.8	1	
1E	64	25910	1	-2	0	1	-0	1233.8	4.1	0.3	0.0	1237.9	1	
1I	64	25449	-0	-3	0	2	-1	1211.9	5.5	0.4	0.0	1217.4	1	
1M	64	25991	-0	-3	0	2	-1	1237.6	5.5	0.4	0.0	1243.1	1	
2	64	34690	10	-7	0	3	4	1651.9	15.6	1.4	0.0	1667.5	6	
3	64	19220	6	-4	0	2	3	915.2	10.0	0.8	0.0	925.3	6	
4	64	19930	6	-4	0	2	3	949.0	10.1	0.8	0.0	959.1	6	
5	64	18460	6	-4	0	2	3	879.0	10.1	0.8	0.0	889.2	6	
6	64	41830	4	-7	0	3	1	1991.9	9.8	0.9	0.0	2001.7	1	
7	64	22600	2	-4	0	2	1	1076.2	5.8	0.5	0.0	1082.0	1	
8	64	24300	2	-4	0	2	1	1157.1	5.9	0.5	0.0	1163.1	1	
9	64	22690	2	-4	0	2	1	1080.5	5.9	0.5	0.0	1086.4	1	
10	64	40700	10	-7	0	3	4	1938.1	15.3	1.3	0.0	1953.4	6	
11	64	22790	6	-4	0	2	2	1085.2	9.8	0.8	0.0	1095.1	6	
12	64	23830	6	-4	0	2	2	1134.8	9.9	0.8	0.0	1144.6	6	
13	64	21840	6	-4	0	2	3	1040.0	9.9	0.8	0.0	1049.9	6	
14	64	43140	4	-7	0	3	1	2054.3	10.3	0.9	0.0	2064.6	1	
15	64	23240	2	-4	0	2	1	1106.7	6.0	0.5	0.0	1112.6	1	
16	64	25380	2	-4	0	2	1	1208.6	6.1	0.5	0.0	1214.7	1	
17	64	22820	2	-4	0	2	1	1086.7	6.0	0.5	0.0	1092.7	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25530	1	1	27	18	18	1.00	1.00	1222.5	
1E	25910	1	1	27	18	18	1.00	1.00	1240.6	
1I	25449	1	1	27	18	18	1.00	1.00	1218.5	
1M	25991	1	1	27	18	18	1.00	1.00	1244.2	
2	34690	1	3	27	18	18	1.00	1.00	1665.4	
3	19220	1	2	27	18	18	1.00	1.00	923.4	
4	19930	1	2	27	18	18	1.00	1.00	957.1	
5	18460	1	2	27	18	18	1.00	1.00	887.1	
6	41830	1	3	27	18	18	1.00	1.00	2004.2	
7	22600	1	2	27	18	18	1.00	1.00	1083.1	
8	24300	1	2	27	18	18	1.00	1.00	1164.1	
9	22690	1	2	27	18	18	1.00	1.00	1087.4	
10	40700	1	3	27	18	18	1.00	1.00	1952.6	
11	22790	1	2	27	18	18	1.00	1.00	1093.7	
12	23830	1	2	27	18	18	1.00	1.00	1143.2	
13	21840	1	2	27	18	18	1.00	1.00	1048.4	
14	43140	1	3	27	18	18	1.00	1.00	2066.8	
15	23240	1	2	27	18	18	1.00	1.00	1113.5	
16	25380	1	2	27	18	18	1.00	1.00	1215.7	
17	22820	1	2	27	18	18	1.00	1.00	1093.5	

ASTA NUM. 95 NI 79 NF 115 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	25546	2	3	0	0	-2	1216.5	6.5	0.4	0.0	1222.9	6	
1E	0	25874	2	3	0	0	-2	1232.1	6.5	0.4	0.0	1238.5	6	
1I	0	25462	1	2	0	-0	-2	1212.5	5.7	0.3	0.0	1218.2	6	
1M	0	25958	1	2	0	-0	-2	1236.1	5.7	0.3	0.0	1241.8	6	
2	0	34560	21	-1	0	-1	-7	1645.7	22.1	2.8	0.0	1667.8	6	
3	0	19200	13	-1	0	-1	-4	914.3	13.5	1.8	0.0	927.8	6	
4	0	19820	14	-1	0	-1	-4	943.8	13.5	1.8	0.0	957.3	6	
5	0	18630	13	-1	0	-1	-4	887.1	13.5	1.8	0.0	900.6	6	
6	0	41780	7	2	0	-1	-4	1989.5	13.9	0.9	0.0	2003.4	6	
7	0	22670	5	1	0	-0	-3	1079.5	8.3	0.7	0.0	1087.8	6	
8	0	24250	5	1	0	-0	-3	1154.8	8.3	0.7	0.0	1163.1	6	
9	0	22970	5	1	0	-0	-3	1093.8	8.3	0.6	0.0	1102.2	6	
10	0	40550	20	-0	0	-1	-7	1931.0	22.7	2.7	0.0	1953.7	6	
11	0	22760	13	-0	0	-1	-4	1083.8	13.9	1.8	0.0	1097.7	6	
12	0	23710	13	-0	0	-1	-4	1129.0	13.9	1.8	0.0	1142.9	6	
13	0	21980	13	-0	0	-1	-4	1046.7	13.8	1.7	0.0	1060.5	6	
14	0	43090	8	2	0	-1	-4	2051.9	14.4	1.1	0.0	2066.3	6	
15	0	23310	5	1	0	-0	-3	1110.0	8.3	0.7	0.0	1118.3	6	
16	0	25330	5	1	0	-0	-3	1206.2	8.4	0.7	0.0	1214.6	6	
17	0	23090	5	1	0	-0	-3	1099.5	8.3	0.7	0.0	1107.9	6	
1A	30	25546	-0	3	0	-1	-2	1216.5	6.5	0.4	0.0	1223.0	6	
1E	30	25874	-0	3	0	-1	-2	1232.1	6.5	0.4	0.0	1238.6	6	
1I	30	25462	-1	2	0	-1	-2	1212.5	6.4	0.3	0.0	1218.9	6	
1M	30	25958	-1	2	0	-1	-2	1236.1	6.4	0.3	0.0	1242.5	6	
2	30	34560	12	0	0	-1	-2	1645.7	6.6	1.7	0.0	1652.4	6	
3	30	19200	8	-0	0	-1	-1	914.3	3.3	1.1	0.0	917.6	6	
4	30	19820	8	-0	0	-1	-1	943.8	3.1	1.1	0.0	946.9	6	
5	30	18630	8	-0	0	-1	-1	887.1	3.6	1.1	0.0	890.7	6	
6	30	41785	2	3	0	-1	-3	1989.8	10.3	0.3	0.0	2000.1	6	
7	30	22675	2	1	0	-1	-1	1079.8	5.3	0.3	0.0	1085.0	6	
8	30	24255	2	1	0	-1	-1	1155.0	5.3	0.3	0.0	1160.3	6	
9	30	22975	2	1	0	-1	-2	1094.0	5.9	0.2	0.0	1099.9	6	
10	30	40555	12	1	0	-1	-2	1931.2	7.8	1.6	0.0	1939.0	6	
11	30	22765	8	0	0	-1	-1	1084.0	4.0	1.1	0.0	1088.0	6	
12	30	23715	8	0	0	-1	-1	1129.3	3.9	1.1	0.0	1133.1	6	
13	30	21980	8	0	0	-1	-1	1046.7	4.1	1.0	0.0	1050.8	6	
14	30	43095	3	3	0	-1	-3	2052.1	10.0	0.4	0.0	2062.2	6	
15	30	23315	2	1	0	-1	-1	1110.2	5.1	0.3	0.0	1115.3	6	
16	30	25330	2	1	0	-1	-1	1206.2	5.2	0.3	0.0	1211.4	6	
17	30	23095	2	1	0	-1	-1	1099.8	5.5	0.3	0.0	1105.3	6	
1A	61	25546	-3	3	0	-2	-2	1216.5	9.0	0.4	0.0	1225.4	6	
1E	61	25874	-3	3	0	-2	-2	1232.1	9.0	0.4	0.0	1241.0	6	
1I	61	25462	-4	2	0	-2	-2	1212.5	9.4	0.5	0.0	1221.9	6	
1M	61	25958	-4	2	0	-2	-2	1236.1	9.4	0.5	0.0	1245.5	6	
2	61	34560	4	1	0	-1	1	1645.7	4.6	0.5	0.0	1650.3	1	
3	61	19200	3	0	0	-1	1	914.3	3.3	0.4	0.0	917.6	6	
4	61	19820	3	0	0	-1	1	943.8	3.5	0.4	0.0	947.3	6	
5	61	18630	3	1	0	-1	1	887.1	2.9	0.4	0.0	890.1	6	
6	61	41790	-2	3	0	-2	-3	1990.0	11.3	0.4	0.0	2001.3	6	
7	61	22680	-1	1	0	-1	-1	1080.0	5.1	0.2	0.0	1085.1	6	
8	61	24260	-1	1	0	-1	-1	1155.2	5.0	0.2	0.0	1160.3	6	
9	61	22980	-1	2	0	-1	-2	1094.3	6.3	0.2	0.0	1100.5	6	
10	61	40560	4	2	0	-2	0	1931.4	5.1	0.5	0.0	1936.5	1	
11	61	22770	3	1	0	-1	1	1084.3	3.2	0.4	0.0	1087.5	1	
12	61	23720	3	1	0	-1	1	1129.5	3.0	0.4	0.0	1132.6	1	
13	61	21980	3	1	0	-1	0	1046.7	3.2	0.3	0.0	1049.8	1	
14	61	43100	-2	3	0	-2	-3	2052.4	10.3	0.4	0.0	2062.7	6	
15	61	23320	-0	1	0	-1	-1	1110.5	4.8	0.2	0.0	1115.3	1	
16	61	25330	-1	1	0	-1	-1	1206.2	4.8	0.2	0.0	1211.0	1	
17	61	23100	-1	2	0	-1	-1	1100.0	5.5	0.2	0.0	1105.5	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25546	1	2	26	17	17	1.00	1.00	1226.4	
1E	25874	1	2	26	17	17	1.00	1.00	1242.0	
1I	25462	1	2	26	17	17	1.00	1.00	1222.3	
1M	25958	1	2	26	17	17	1.00	1.00	1245.9	
2	34560	1	4	26	17	17	1.00	1.00	1661.0	
3	19200	1	2	26	17	17	1.00	1.00	922.9	
4	19820	1	2	26	17	17	1.00	1.00	952.2	
5	18630	1	2	26	17	17	1.00	1.00	896.0	
6	41790	2	4	26	17	17	1.00	1.00	2006.2	
7	22680	1	2	26	17	17	1.00	1.00	1088.8	
8	24260	1	2	26	17	17	1.00	1.00	1163.9	
9	22980	1	2	26	17	17	1.00	1.00	1103.8	
10	40560	1	4	26	17	17	1.00	1.00	1948.1	
11	22770	1	2	26	17	17	1.00	1.00	1093.8	
12	23720	1	2	26	17	17	1.00	1.00	1138.8	
13	21980	1	2	26	17	17	1.00	1.00	1056.3	
14	43100	2	4	26	17	17	1.00	1.00	2068.5	
15	23320	1	2	26	17	17	1.00	1.00	1119.1	
16	25330	1	2	26	17	17	1.00	1.00	1214.9	
17	23100	1	2	26	17	17	1.00	1.00	1109.2	

ASTA NUM. 96 NI 83 NF 116 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25529	11	-3	0	-1	-7	1215.7	23.1	1.5	0.0	1238.8	6	
1E	0	25771	11	-3	0	-1	-7	1227.2	23.1	1.5	0.0	1250.3	6	
1I	0	25439	11	-3	0	-1	-7	1211.4	22.7	1.4	0.0	1234.1	6	
1M	0	25861	11	-3	0	-1	-7	1231.5	22.7	1.4	0.0	1254.2	6	
2	0	34330	34	-8	0	-3	-14	1634.8	44.4	4.5	0.0	1679.2	6	
3	0	19150	20	-5	0	-2	-8	911.9	25.3	2.6	0.0	937.2	6	
4	0	19660	19	-4	0	-1	-7	936.2	24.6	2.6	0.0	960.8	6	
5	0	18780	21	-5	0	-2	-8	894.3	26.3	2.8	0.0	920.6	6	
6	0	41640	22	-6	0	-3	-13	1982.9	41.5	3.0	0.0	2024.3	6	
7	0	22720	12	-4	0	-1	-7	1081.9	22.3	1.6	0.0	1104.2	6	
8	0	24150	12	-3	0	-1	-7	1150.0	22.2	1.6	0.0	1172.2	6	
9	0	23260	14	-4	0	-2	-7	1107.6	24.6	1.8	0.0	1132.2	6	
10	0	40280	34	-8	0	-3	-14	1918.1	47.0	4.6	0.0	1965.1	6	
11	0	22680	20	-5	0	-2	-8	1080.0	26.8	2.7	0.0	1106.8	6	
12	0	23530	20	-5	0	-2	-8	1120.5	26.4	2.7	0.0	1146.9	6	
13	0	22090	21	-5	0	-2	-8	1051.9	27.5	2.8	0.0	1079.4	6	
14	0	42960	22	-6	0	-3	-12	2045.7	40.5	2.9	0.0	2086.2	6	
15	0	23360	11	-3	0	-1	-6	1112.4	21.3	1.5	0.0	1133.7	6	
16	0	25230	12	-3	0	-1	-7	1201.4	21.7	1.6	0.0	1223.1	6	
17	0	23360	13	-4	0	-1	-7	1112.4	23.0	1.7	0.0	1135.4	6	
1A	30	25534	9	-3	0	-0	-4	1215.9	12.7	1.2	0.0	1228.7	6	
1E	30	25776	9	-3	0	-0	-4	1227.4	12.7	1.2	0.0	1240.2	6	
1I	30	25444	8	-3	0	-0	-4	1211.6	12.8	1.1	0.0	1224.5	6	
1M	30	25866	8	-3	0	-0	-4	1231.7	12.8	1.1	0.0	1244.6	6	
2	30	34330	25	-7	0	-0	-5	1634.8	14.5	3.4	0.0	1649.3	6	
3	30	19150	15	-4	0	-0	-2	911.9	7.8	1.9	0.0	919.7	6	
4	30	19660	14	-4	0	-0	-2	936.2	7.5	1.9	0.0	943.7	6	
5	30	18780	16	-4	0	-0	-2	894.3	7.9	2.1	0.0	902.2	6	
6	30	41645	18	-6	0	-1	-7	1983.1	20.7	2.3	0.0	2003.8	6	
7	30	22720	9	-3	0	-0	-4	1081.9	11.2	1.2	0.0	1093.1	6	
8	30	24155	9	-3	0	-0	-4	1150.2	11.3	1.2	0.0	1161.5	6	
9	30	23265	11	-4	0	-0	-4	1107.9	11.9	1.4	0.0	1119.7	6	
10	30	40285	26	-7	0	-0	-5	1918.3	16.4	3.5	0.0	1934.7	6	
11	30	22685	15	-4	0	-0	-3	1080.2	8.9	2.0	0.0	1089.2	6	
12	30	23530	15	-4	0	-0	-3	1120.5	8.7	2.0	0.0	1129.2	6	
13	30	22095	16	-4	0	-0	-3	1052.1	8.9	2.1	0.0	1061.0	6	
14	30	42965	17	-6	0	-1	-6	2046.0	20.2	2.3	0.0	2066.2	6	
15	30	23365	8	-3	0	-0	-3	1112.6	10.9	1.1	0.0	1123.5	6	
16	30	25230	9	-3	0	-0	-4	1201.4	11.1	1.2	0.0	1212.5	6	
17	30	23365	10	-4	0	-0	-4	1112.6	11.3	1.3	0.0	1123.9	6	
1A	61	25539	6	-3	0	1	-2	1216.2	5.9	0.9	0.0	1222.1	6	
1E	61	25781	6	-3	0	1	-2	1227.7	5.9	0.9	0.0	1233.6	6	
1I	61	25449	6	-3	0	1	-2	1211.9	6.8	0.8	0.0	1218.6	6	
1M	61	25871	6	-3	0	1	-2	1232.0	6.8	0.8	0.0	1238.7	6	
2	61	34330	17	-6	0	2	2	1634.8	7.4	2.3	0.0	1642.1	6	
3	61	19150	9	-3	0	1	1	911.9	4.5	1.2	0.0	916.4	6	
4	61	19660	9	-3	0	1	1	936.2	4.5	1.2	0.0	940.7	6	
5	61	18780	10	-4	0	1	1	894.3	5.5	1.4	0.0	899.8	6	
6	61	41650	13	-6	0	1	-2	1983.3	7.4	1.7	0.0	1990.7	6	
7	61	22720	6	-3	0	1	-1	1081.9	4.5	0.8	0.0	1086.4	6	
8	61	24160	6	-3	0	1	-1	1150.5	4.7	0.8	0.0	1155.2	6	
9	61	23270	8	-4	0	1	-1	1108.1	3.6	1.1	0.0	1111.7	6	
10	61	40290	18	-6	0	2	1	1918.6	6.6	2.3	0.0	1925.2	1	
11	61	22690	10	-4	0	1	1	1080.5	3.9	1.3	0.0	1084.4	1	
12	61	23530	10	-4	0	1	1	1120.5	4.0	1.3	0.0	1124.4	1	
13	61	22100	11	-4	0	1	1	1052.4	4.8	1.4	0.0	1057.1	6	
14	61	42970	12	-6	0	1	-2	2046.2	7.6	1.6	0.0	2053.8	6	
15	61	23370	6	-3	0	1	-1	1112.9	4.8	0.7	0.0	1117.6	6	
16	61	25230	6	-3	0	1	-1	1201.4	4.9	0.8	0.0	1206.3	6	
17	61	23370	7	-3	0	1	-1	1112.9	3.9	0.9	0.0	1116.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	25539	0	5	26	17	17	1.00	1.00	1232.7	
1E	25781	0	5	26	17	17	1.00	1.00	1244.3	
1I	25449	1	5	26	17	17	1.00	1.00	1228.6	
1M	25871	1	5	26	17	17	1.00	1.00	1248.7	
2	34330	1	7	26	17	17	1.00	1.00	1660.6	
3	19150	1	4	26	17	17	1.00	1.00	926.5	
4	19660	1	4	26	17	17	1.00	1.00	950.3	
5	18780	1	4	26	17	17	1.00	1.00	909.2	
6	41650	1	8	26	17	17	1.00	1.00	2011.9	
7	22720	1	5	26	17	17	1.00	1.00	1097.5	
8	24160	1	5	26	17	17	1.00	1.00	1166.1	
9	23270	1	5	26	17	17	1.00	1.00	1124.8	
10	40290	1	8	26	17	17	1.00	1.00	1946.6	
11	22690	1	5	26	17	17	1.00	1.00	1096.3	
12	23530	1	4	26	17	17	1.00	1.00	1136.0	
13	22100	1	5	26	17	17	1.00	1.00	1068.3	
14	42970	1	8	26	17	17	1.00	1.00	2074.3	
15	23370	1	4	26	17	17	1.00	1.00	1128.0	
16	25230	1	4	26	17	17	1.00	1.00	1216.8	
17	23370	1	5	26	17	17	1.00	1.00	1128.7	

ASTA NUM. 97 NI 50 NF 109 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24360	6	-4	0	-1	-1	1160.0	4.3	0.7	0.0	1164.3	6	
1E	0	24780	6	-4	0	-1	-1	1180.0	4.3	0.7	0.0	1184.3	6	
1I	0	24265	5	-4	0	-1	-1	1155.5	4.9	0.6	0.0	1160.4	1	
1M	0	24875	5	-4	0	-1	-1	1184.5	4.9	0.6	0.0	1189.4	1	
2	0	34810	24	-4	0	-2	-4	1657.6	13.3	3.2	0.0	1670.9	6	
3	0	20120	15	-3	0	-2	-2	958.1	8.6	2.0	0.0	966.7	6	
4	0	17920	15	-3	0	-2	-2	853.3	9.4	2.0	0.0	862.7	6	
5	0	21650	15	-3	0	-2	-2	1031.0	9.4	2.0	0.0	1040.3	6	
6	0	40320	12	-7	0	-2	-2	1920.0	9.4	1.6	0.0	1929.4	6	
7	0	22930	8	-5	0	-2	-1	1091.9	8.0	1.0	0.0	1099.9	1	
8	0	20940	8	-5	0	-2	-2	997.1	8.2	1.1	0.0	1005.4	1	
9	0	25790	8	-5	0	-2	-2	1228.1	8.6	1.0	0.0	1236.7	1	
10	0	39380	24	-4	0	-2	-4	1875.2	13.6	3.2	0.0	1888.8	6	
11	0	22780	15	-3	0	-2	-2	1084.8	8.8	2.0	0.0	1093.6	6	
12	0	20930	15	-3	0	-2	-3	996.7	9.7	2.0	0.0	1006.4	6	
13	0	24050	15	-3	0	-2	-2	1145.2	9.4	2.0	0.0	1154.7	6	
14	0	41630	13	-7	0	-2	-2	1982.4	10.1	1.8	0.0	1992.5	6	
15	0	23570	8	-5	0	-2	-1	1122.4	8.0	1.0	0.0	1130.4	1	
16	0	22030	8	-5	0	-2	-2	1049.0	8.6	1.1	0.0	1057.6	1	
17	0	25810	8	-5	0	-2	-1	1229.0	8.5	1.1	0.0	1237.5	1	
1A	35	24365	3	-4	0	1	0	1160.2	2.1	0.5	0.0	1162.3	1	
1E	35	24785	3	-4	0	1	0	1180.3	2.1	0.5	0.0	1182.4	1	
1I	35	24270	2	-4	0	0	0	1155.7	1.2	0.6	0.0	1156.9	1	
1M	35	24880	2	-4	0	0	0	1184.7	1.2	0.6	0.0	1185.9	1	
2	35	34815	14	-5	0	-0	3	1657.9	9.7	1.9	0.0	1667.5	6	
3	35	20120	9	-3	0	-1	2	958.1	6.6	1.2	0.0	964.7	6	
4	35	17920	9	-4	0	-1	2	853.3	6.3	1.2	0.0	859.6	6	
5	35	21650	9	-4	0	-1	2	1031.0	6.4	1.2	0.0	1037.3	6	
6	35	40325	7	-7	0	0	1	1920.2	3.5	0.9	0.0	1923.8	6	

7	35	22935	4	-5	0	-0	1	1092.1	2.8	0.7	0.0	1094.9	6
8	35	20940	5	-5	0	-0	1	997.1	2.4	0.7	0.0	999.5	6
9	35	25790	4	-5	0	-0	1	1228.1	2.4	0.7	0.0	1230.5	6
10	35	39385	14	-5	0	-0	3	1875.5	9.2	1.9	0.0	1884.6	6
11	35	22785	9	-4	0	-0	2	1085.0	6.3	1.2	0.0	1091.3	6
12	35	20930	9	-4	0	-1	2	996.7	5.9	1.2	0.0	1002.6	6
13	35	24050	9	-4	0	-1	2	1145.2	6.2	1.2	0.0	1151.4	6
14	35	41640	7	-7	0	0	1	1982.9	3.6	1.0	0.0	1986.4	6
15	35	23575	4	-5	0	-0	1	1122.6	2.7	0.7	0.0	1125.3	6
16	35	22035	5	-5	0	-0	1	1049.3	2.1	0.7	0.0	1051.4	6
17	35	25815	5	-5	0	-0	1	1229.3	2.4	0.7	0.0	1231.7	6
1A	69	24370	-0	-4	0	2	1	1160.5	7.0	0.5	0.0	1167.5	1
1E	69	24790	-0	-4	0	2	1	1180.5	7.0	0.5	0.0	1187.5	1
1I	69	24275	-1	-4	0	2	0	1156.0	6.1	0.6	0.0	1162.0	1
1M	69	24885	-1	-4	0	2	0	1185.0	6.1	0.6	0.0	1191.1	1
2	69	34820	5	-6	0	1	6	1658.1	21.1	0.8	0.0	1679.2	6
3	69	20120	3	-4	0	1	4	958.1	13.2	0.5	0.0	971.3	6
4	69	17920	3	-4	0	1	4	853.3	13.0	0.6	0.0	866.3	6
5	69	21650	3	-4	0	1	4	1031.0	13.0	0.6	0.0	1043.9	6
6	69	40330	2	-7	0	3	3	1920.5	10.8	0.9	0.0	1931.3	1
7	69	22940	1	-5	0	1	2	1092.4	6.7	0.7	0.0	1099.1	6
8	69	20940	1	-5	0	1	2	997.1	6.6	0.7	0.0	1003.7	6
9	69	25790	1	-6	0	1	2	1228.1	6.5	0.7	0.0	1234.6	6
10	69	39390	5	-6	0	2	6	1875.7	21.3	0.8	0.0	1897.0	6
11	69	22790	3	-4	0	1	4	1085.2	13.3	0.6	0.0	1098.6	6
12	69	20930	3	-5	0	1	4	996.7	13.1	0.6	0.0	1009.7	6
13	69	24050	3	-5	0	1	4	1145.2	13.2	0.6	0.0	1158.4	6
14	69	41650	2	-7	0	3	3	1983.3	11.3	1.0	0.0	1994.6	6
15	69	23580	1	-5	0	1	2	1122.9	6.8	0.7	0.0	1129.7	6
16	69	22040	1	-5	0	1	2	1049.5	6.5	0.7	0.0	1056.1	6
17	69	25820	1	-5	0	1	2	1229.5	6.7	0.7	0.0	1236.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24370	1	0	30	19	19	1.00	1.00	1164.4	
1E	24790	1	0	30	19	19	1.00	1.00	1184.4	
1I	24275	1	0	30	19	19	1.00	1.00	1159.7	
1M	24885	1	0	30	19	19	1.00	1.00	1188.8	
2	34820	1	3	30	19	19	1.00	1.00	1668.1	
3	20120	1	2	30	19	19	1.00	1.00	965.1	
4	17920	1	2	30	19	19	1.00	1.00	860.6	
5	21650	1	2	30	19	19	1.00	1.00	1038.3	
6	40330	1	1	30	19	19	1.00	1.00	1926.8	
7	22940	1	1	30	19	19	1.00	1.00	1097.0	
8	20940	1	1	30	19	19	1.00	1.00	1001.7	
9	25790	1	1	30	19	19	1.00	1.00	1232.8	
10	39390	1	3	30	19	19	1.00	1.00	1885.7	
11	22790	1	2	30	19	19	1.00	1.00	1092.1	
12	20930	1	2	30	19	19	1.00	1.00	1003.6	
13	24050	1	2	30	19	19	1.00	1.00	1152.3	
14	41650	1	1	30	19	19	1.00	1.00	1989.9	
15	23580	1	1	30	19	19	1.00	1.00	1127.5	
16	22040	1	1	30	19	19	1.00	1.00	1054.2	
17	25820	1	1	30	19	19	1.00	1.00	1234.2	

ASTA NUM. 98 NI 78 NF 110 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24360	6	6	0	2	-2	1160.0	9.0	0.8	0.0	1169.0	6	
1E	0	24740	6	6	0	2	-2	1178.1	9.0	0.8	0.0	1187.1	6	
1I	0	24279	5	5	0	1	-2	1156.2	7.4	0.7	0.0	1163.6	6	
1M	0	24821	5	5	0	1	-2	1181.9	7.4	0.7	0.0	1189.4	6	
2	0	34570	28	9	0	2	-8	1646.2	27.0	3.7	0.0	1673.2	6	
3	0	19900	17	5	0	1	-5	947.6	16.7	2.3	0.0	964.4	6	
4	0	17790	17	5	0	1	-5	847.1	16.6	2.3	0.0	863.7	6	
5	0	21280	17	5	0	1	-5	1013.3	16.7	2.3	0.0	1030.1	6	
6	0	40240	14	7	0	1	-5	1916.2	17.3	1.9	0.0	1933.5	6	
7	0	22800	9	4	0	1	-3	1085.7	10.6	1.2	0.0	1096.3	6	
8	0	20910	9	4	0	1	-3	995.7	10.5	1.2	0.0	1006.2	6	
9	0	25460	9	4	0	1	-3	1212.4	10.7	1.2	0.0	1223.1	6	
10	0	39150	28	9	0	2	-8	1864.3	27.5	3.7	0.0	1891.8	6	
11	0	22580	17	5	0	1	-5	1075.2	17.0	2.3	0.0	1092.3	6	
12	0	20810	17	5	0	1	-5	991.0	16.9	2.3	0.0	1007.9	6	
13	0	23700	17	6	0	1	-5	1128.6	17.0	2.3	0.0	1145.6	6	
14	0	41550	14	7	0	1	-5	1978.6	17.6	1.9	0.0	1996.1	6	
15	0	23440	9	4	0	1	-3	1116.2	10.5	1.2	0.0	1126.7	6	
16	0	22010	9	4	0	1	-3	1048.1	10.4	1.2	0.0	1058.5	6	
17	0	25500	9	4	0	1	-3	1214.3	10.5	1.2	0.0	1224.8	6	
1A	32	24365	3	6	0	-0	-1	1160.2	3.2	0.8	0.0	1163.4	6	
1E	32	24745	3	6	0	-0	-1	1178.3	3.2	0.8	0.0	1181.5	6	
1I	32	24284	2	5	0	-0	-1	1156.4	3.1	0.7	0.0	1159.5	6	
1M	32	24826	2	5	0	-0	-1	1182.2	3.1	0.7	0.0	1185.3	6	
2	32	34570	19	8	0	-1	-1	1646.2	2.9	2.5	0.0	1649.1	6	
3	32	19905	12	5	0	-0	-0	947.9	1.6	1.6	0.0	949.5	1	
4	32	17790	12	5	0	-0	-0	847.1	1.4	1.6	0.0	848.6	1	
5	32	21280	12	5	0	-0	-0	1013.3	1.7	1.6	0.0	1015.1	1	
6	32	40245	9	7	0	-1	-1	1916.4	5.4	1.2	0.0	1921.8	6	
7	32	22800	6	4	0	-0	-1	1085.7	3.1	0.8	0.0	1088.8	6	
8	32	20915	6	4	0	-0	-1	996.0	2.9	0.8	0.0	998.9	6	
9	32	25465	6	4	0	-0	-1	1212.6	3.3	0.7	0.0	1216.0	6	
10	32	39150	19	8	0	-1	-1	1864.3	3.6	2.5	0.0	1867.9	6	
11	32	22585	12	5	0	-0	-0	1075.5	2.0	1.6	0.0	1077.5	6	
12	32	20810	12	5	0	-0	-0	991.0	1.8	1.6	0.0	992.8	6	
13	32	23700	12	5	0	-0	-0	1128.6	2.0	1.6	0.0	1130.6	6	
14	32	41560	9	7	0	-1	-1	1979.0	5.3	1.2	0.0	1984.3	6	
15	32	23440	6	4	0	-0	-1	1116.2	3.1	0.7	0.0	1119.2	6	
16	32	22010	6	4	0	-0	-1	1048.1	3.0	0.7	0.0	1051.0	6	
17	32	25505	6	4	0	-0	-1	1214.5	3.2	0.7	0.0	1217.7	6	
1A	64	24370	1	6	0	-2	-0	1160.5	7.5	0.8	0.0	1168.0	1	
1E	64	24750	1	6	0	-2	-0	1178.6	7.5	0.8	0.0	1186.1	1	
1I	64	24289	-0	5	0	-2	-1	1156.6	6.8	0.7	0.0	1163.4	1	
1M	64	24831	-0	5	0	-2	-1	1182.4	6.8	0.7	0.0	1189.2	1	
2	64	34570	10	7	0	-3	4	1646.2	15.5	1.4	0.0	1661.6	6	
3	64	19910	6	4	0	-2	3	948.1	9.8	0.9	0.0	957.8	6	
4	64	17790	6	4	0	-2	3	847.1	9.9	0.9	0.0	857.0	6	
5	64	21280	6	4	0	-2	2	1013.3	9.7	0.9	0.0	1023.1	6	
6	64	40250	4	7	0	-3	1	1916.7	9.6	0.9	0.0	1926.3	1	
7	64	22800	3	4	0	-2	0	1085.7	5.7	0.5	0.0	1091.4	1	
8	64	20920	3	4	0	-2	0	996.2	5.6	0.5	0.0	1001.8	1	
9	64	25470	3	4	0	-2	0	1212.9	5.9	0.5	0.0	1218.8	1	
10	64	39150	10	7	0	-3	4	1864.3	15.2	1.3	0.0	1879.5	6	
11	64	22590	6	4	0	-2	2	1075.7	9.6	0.8	0.0	1085.3	6	
12	64	20810	6	4	0	-2	2	991.0	9.7	0.8	0.0	1000.6	6	
13	64	23700	6	4	0	-2	2	1128.6	9.6	0.8	0.0	1138.1	6	
14	64	41570	4	7	0	-3	1	1979.5	10.2	0.9	0.0	1989.7	1	
15	64	23440	2	4	0	-2	0	1116.2	5.8	0.5	0.0	1122.0	1	
16	64	22010	2	4	0	-2	0	1048.1	5.8	0.5	0.0	1053.9	1	
17	64	25510	2	4	0	-2	0	1214.8	6.0	0.5	0.0	1220.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	24370	1	2	27	18	18	1.00	1.00	1168.0	
1E	24750	1	2	27	18	18	1.00	1.00	1186.1	
1I	24289	1	1	27	18	18	1.00	1.00	1163.5	
1M	24831	1	1	27	18	18	1.00	1.00	1189.2	
2	34570	1	3	27	18	18	1.00	1.00	1660.0	
3	19910	1	2	27	18	18	1.00	1.00	956.4	
4	17790	1	2	27	18	18	1.00	1.00	855.3	
5	21280	1	2	27	18	18	1.00	1.00	1021.7	
6	40250	1	3	27	18	18	1.00	1.00	1929.0	
7	22800	1	2	27	18	18	1.00	1.00	1093.0	
8	20920	1	2	27	18	18	1.00	1.00	1003.3	
9	25470	1	2	27	18	18	1.00	1.00	1220.5	
10	39150	1	3	27	18	18	1.00	1.00	1878.9	
11	22590	1	2	27	18	18	1.00	1.00	1084.5	
12	20810	1	2	27	18	18	1.00	1.00	999.6	
13	23700	1	2	27	18	18	1.00	1.00	1137.4	
14	41570	1	3	27	18	18	1.00	1.00	1992.0	
15	23440	1	2	27	18	18	1.00	1.00	1123.4	
16	22010	1	2	27	18	18	1.00	1.00	1055.2	
17	25510	1	2	27	18	18	1.00	1.00	1222.3	

ASTA NUM. 99 NI 82 NF 111 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

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

1A	0	24366	2	-0	0	1	-2	1160.3	7.2	0.3	0.0	1167.5	6
1E	0	24694	2	-0	0	1	-2	1175.9	7.2	0.3	0.0	1183.1	6
1I	0	24282	1	-1	0	1	-2	1156.3	6.1	0.2	0.0	1162.4	6
1M	0	24778	1	-1	0	1	-2	1179.9	6.1	0.2	0.0	1186.0	6
2	0	34370	20	0	0	1	-7	1636.7	22.2	2.7	0.0	1658.8	6
3	0	19720	13	1	0	1	-4	939.0	13.7	1.7	0.0	952.7	6
4	0	17690	13	1	0	1	-4	842.4	13.5	1.7	0.0	855.9	6
5	0	20910	13	0	0	1	-4	995.7	13.7	1.7	0.0	1009.4	6
6	0	40180	7	-2	0	1	-4	1913.3	13.8	0.9	0.0	1927.2	6
7	0	22650	4	-1	0	0	-3	1078.6	8.4	0.6	0.0	1086.9	6
8	0	20890	4	-1	0	0	-3	994.8	8.3	0.6	0.0	1003.1	6
9	0	25110	4	-1	0	0	-3	1195.7	8.6	0.6	0.0	1204.3	6
10	0	38980	20	-0	0	1	-7	1856.2	22.7	2.7	0.0	1878.9	6
11	0	22410	13	0	0	1	-4	1067.1	14.0	1.7	0.0	1081.1	6
12	0	20730	13	0	0	1	-4	987.1	13.9	1.7	0.0	1001.0	6
13	0	23360	13	0	0	1	-4	1112.4	14.0	1.7	0.0	1126.4	6
14	0	41490	8	-2	0	1	-4	1975.7	14.3	1.0	0.0	1990.1	6
15	0	23300	5	-1	0	0	-3	1109.5	8.4	0.6	0.0	1117.9	6
16	0	21990	4	-1	0	0	-3	1047.1	8.4	0.6	0.0	1055.5	6
17	0	25170	5	-1	0	0	-3	1198.6	8.5	0.6	0.0	1207.1	6
1A	30	24371	-1	-0	0	1	-2	1160.5	6.7	0.1	0.0	1167.3	6
1E	30	24699	-1	-0	0	1	-2	1176.1	6.7	0.1	0.0	1182.9	6
1I	30	24287	-1	-1	0	1	-2	1156.5	6.7	0.2	0.0	1163.2	6
1M	30	24783	-1	-1	0	1	-2	1180.1	6.7	0.2	0.0	1186.8	6
2	30	34375	12	-0	0	1	-2	1636.9	7.1	1.6	0.0	1644.0	6
3	30	19720	8	-0	0	1	-1	939.0	4.0	1.0	0.0	943.0	6
4	30	17690	8	0	0	1	-1	842.4	3.9	1.0	0.0	846.2	6
5	30	20915	8	-0	0	1	-1	996.0	4.1	1.0	0.0	1000.1	6
6	30	40185	2	-3	0	1	-3	1913.6	10.8	0.4	0.0	1924.3	6
7	30	22655	1	-1	0	1	-2	1078.8	6.1	0.2	0.0	1084.9	6
8	30	20895	1	-1	0	1	-2	995.0	6.1	0.2	0.0	1001.1	6
9	30	25110	1	-2	0	1	-2	1195.7	6.5	0.2	0.0	1202.2	6
10	30	38980	12	-1	0	1	-2	1856.2	8.2	1.6	0.0	1864.4	6
11	30	22415	7	-0	0	1	-1	1067.4	4.6	1.0	0.0	1072.0	6
12	30	20730	7	-0	0	1	-1	987.1	4.6	1.0	0.0	991.8	6
13	30	23360	7	-0	0	1	-1	1112.4	4.6	1.0	0.0	1117.0	6
14	30	41495	3	-3	0	1	-3	1976.0	10.4	0.4	0.0	1986.4	6
15	30	23300	2	-1	0	1	-2	1109.5	5.9	0.2	0.0	1115.4	6
16	30	21995	1	-1	0	1	-2	1047.4	6.1	0.2	0.0	1053.5	6
17	30	25175	2	-1	0	1	-2	1198.8	6.1	0.2	0.0	1204.9	6
1A	61	24376	-3	-0	0	1	-2	1160.8	8.6	0.4	0.0	1169.4	6
1E	61	24704	-3	-0	0	1	-2	1176.4	8.6	0.4	0.0	1185.0	6
1I	61	24292	-4	-1	0	1	-3	1156.8	9.7	0.5	0.0	1166.4	6
1M	61	24788	-4	-1	0	1	-3	1180.4	9.7	0.5	0.0	1190.0	6
2	61	34380	4	-1	0	1	0	1637.1	4.5	0.5	0.0	1641.6	1
3	61	19720	2	-1	0	1	0	939.0	2.6	0.3	0.0	941.6	1
4	61	17690	2	-0	0	1	0	842.4	2.6	0.3	0.0	845.0	1
5	61	20920	2	-1	0	1	0	996.2	2.5	0.3	0.0	998.7	1
6	61	40190	-3	-3	0	2	-3	1913.8	12.2	0.4	0.0	1926.0	6
7	61	22660	-2	-2	0	1	-2	1079.0	6.6	0.2	0.0	1085.7	6
8	61	20900	-2	-1	0	1	-2	995.2	6.7	0.2	0.0	1001.9	6
9	61	25110	-2	-2	0	1	-2	1195.7	7.2	0.2	0.0	1202.9	6
10	61	38980	3	-2	0	2	0	1856.2	5.1	0.4	0.0	1861.3	1
11	61	22420	2	-1	0	1	0	1067.6	2.9	0.3	0.0	1070.6	1
12	61	20730	2	-1	0	1	0	987.1	2.9	0.3	0.0	990.1	1
13	61	23360	2	-1	0	1	0	1112.4	2.9	0.3	0.0	1115.2	1
14	61	41500	-2	-3	0	2	-3	1976.2	11.2	0.4	0.0	1987.4	6
15	61	23300	-1	-2	0	1	-2	1109.5	6.2	0.2	0.0	1115.7	6
16	61	22000	-1	-2	0	1	-2	1047.6	6.6	0.2	0.0	1054.3	6
17	61	25180	-1	-2	0	1	-2	1199.0	6.5	0.2	0.0	1205.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m								
1A	24376	1	2	26	17	17	1.00	1.00	1170.6	
1E	24704	1	2	26	17	17	1.00	1.00	1186.2	
1I	24292	1	2	26	17	17	1.00	1.00	1166.8	
1M	24788	1	2	26	17	17	1.00	1.00	1190.5	
2	34380	1	4	26	17	17	1.00	1.00	1652.9	
3	19720	1	2	26	17	17	1.00	1.00	948.3	
4	17690	1	2	26	17	17	1.00	1.00	851.5	
5	20920	1	2	26	17	17	1.00	1.00	1005.5	
6	40190	2	4	26	17	17	1.00	1.00	1930.4	
7	22660	1	2	26	17	17	1.00	1.00	1088.6	
8	20900	1	2	26	17	17	1.00	1.00	1004.8	
9	25110	1	2	26	17	17	1.00	1.00	1205.7	
10	38980	1	4	26	17	17	1.00	1.00	1873.3	
11	22420	1	2	26	17	17	1.00	1.00	1077.7	
12	20730	1	2	26	17	17	1.00	1.00	997.2	
13	23360	1	3	26	17	17	1.00	1.00	1122.4	
14	41500	2	4	26	17	17	1.00	1.00	1992.8	
15	23300	1	2	26	17	17	1.00	1.00	1118.9	
16	22000	1	2	26	17	17	1.00	1.00	1057.3	
17	25180	1	2	26	17	17	1.00	1.00	1208.7	

ASTA NUM. 100 NI 86 NF 112 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	10.6969	2.6742	--	--	8.2647	21.6359 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	24319	13	5	0	2	-8	1158.1	25.4	1.7	0.0	1183.4	6	
1E	0	24561	13	5	0	2	-8	1169.6	25.4	1.7	0.0	1194.9	6	
1I	0	24229	12	4	0	2	-7	1153.7	24.4	1.6	0.0	1178.1	6	
1M	0	24651	12	4	0	2	-7	1173.9	24.4	1.6	0.0	1198.3	6	
2	0	34060	35	8	0	3	-14	1621.9	46.3	4.7	0.0	1668.2	6	
3	0	19450	22	5	0	2	-8	926.2	27.8	2.9	0.0	954.0	6	
4	0	17530	22	5	0	2	-8	834.8	27.6	2.9	0.0	862.4	6	
5	0	20430	22	5	0	2	-9	972.9	28.1	2.9	0.0	1001.0	6	
6	0	40000	24	7	0	3	-13	1904.8	43.3	3.2	0.0	1948.1	6	
7	0	22430	15	4	0	2	-8	1068.1	25.5	1.9	0.0	1093.6	6	
8	0	20810	15	4	0	2	-8	991.0	25.6	2.0	0.0	1016.6	6	
9	0	24620	15	4	0	2	-8	1172.4	26.6	2.0	0.0	1198.9	6	
10	0	38670	36	9	0	3	-15	1841.4	48.7	4.8	0.0	1890.1	6	
11	0	22150	22	5	0	2	-9	1054.8	29.1	2.9	0.0	1083.9	6	
12	0	20570	23	5	0	2	-9	979.5	29.5	3.0	0.0	1009.0	6	
13	0	22900	22	5	0	2	-9	1090.5	29.3	3.0	0.0	1119.8	6	
14	0	41310	24	7	0	3	-13	1967.1	42.4	3.2	0.0	2009.6	6	
15	0	23070	14	4	0	2	-7	1098.6	24.6	1.9	0.0	1123.1	6	
16	0	21910	15	4	0	2	-8	1043.3	25.5	2.0	0.0	1068.8	6	
17	0	24710	14	4	0	2	-8	1176.7	25.1	1.9	0.0	1201.7	6	
1A	30	24324	10	5	0	1	-4	1158.3	13.1	1.3	0.0	1171.4	6	
1E	30	24566	10	5	0	1	-4	1169.8	13.1	1.3	0.0	1182.9	6	
1I	30	24234	9	4	0	0	-4	1154.0	13.1	1.2	0.0	1167.1	6	
1M	30	24656	9	4	0	0	-4	1174.1	13.1	1.2	0.0	1187.2	6	
2	30	34060	27	7	0	0	-5	1621.9	14.9	3.6	0.0	1636.8	6	
3	30	19450	16	4	0	0	-3	926.2	8.5	2.2	0.0	934.7	6	
4	30	17530	17	4	0	0	-3	834.8	8.0	2.2	0.0	842.8	6	
5	30	20430	17	4	0	0	-3	972.9	8.5	2.2	0.0	981.3	6	
6	30	40005	19	7	0	1	-7	1905.0	21.0	2.6	0.0	1926.0	6	
7	30	22430	12	4	0	0	-4	1068.1	12.0	1.6	0.0	1080.1	6	
8	30	20815	12	4	0	0	-4	991.2	11.7	1.6	0.0	1002.9	6	
9	30	24625	12	4	0	0	-4	1172.6	12.4	1.6	0.0	1185.0	6	
10	30	38675	27	8	0	0	-5	1841.7	16.6	3.7	0.0	1858.3	6	
11	30	22150	17	5	0	0	-3	1054.8	9.5	2.2	0.0	1064.2	6	
12	30	20570	17	5	0	0	-3	979.5	9.2	2.3	0.0	988.7	6	
13	30	22900	17	5	0	0	-3	1090.5	9.3	2.3	0.0	1099.8	6	
14	30	41315	19	7	0	1	-6	1967.4	20.5	2.5	0.0	1987.9	6	
15	30	23075	11	4	0	0	-4	1098.8	11.6	1.5	0.0	1110.4	6	
16	30	21910	12	4	0	0	-4	1043.3	11.6	1.6	0.0	1055.0	6	
17	30	24715	11	4	0	0	-4	1176.9	11.8	1.5	0.0	1188.7	6	
1A	61	24329	8	5	0	-1	-1	1158.5	5.6	1.0	0.0	1164.1	6	
1E	61	24571	8	5	0	-1	-1	1170.0	5.6	1.0	0.0	1175.6	6	
1I	61	24239	7	4	0	-1	-2	1154.2	6.1	0.9	0.0	1160.4	6	
1M	61	24661	7	4	0	-1	-2	1174.3	6.1	0.9	0.0	1180.5	6	
2	61	34060	18	6	0	-2	2	1621.9	8.4	2.5	0.0	1630.3	6	
3	61	19450	11	4	0	-1	1	926.2	5.7	1.5	0.0	931.9	6	
4	61	17530	12	4	0	-1	2	834.8	6.5	1.5	0.0	841.3	6	
5	61	20430	12	4	0	-1	2	972.9	6.2	1.5	0.0	979.0	6	
6	61	40010	14	6	0	-1	-2	1905.2	6.2	1.9	0.0	1911.4	6	
7	61	22430	9	4	0	-1	-1	1068.1	3.3	1.2	0.0	1071.4	1	
8	61	20820	9	4	0	-1	-1	991.4	3.0	1.2	0.0	994.5	1	
9	61	24630	9	4	0	-1	-1	1172.9	3.4	1.2	0.0	1176.2	1	
10	61	38680	19	7	0	-2	2	1841.9	7.4	2.5	0.0	1849.3	6	
11	61	22150	12	4	0	-1	1	1054.8	5.2	1.5	0.0	1059.9	6	
12	61	20570	12	4	0	-1	2	979.5	6.2	1.6	0.0	985.7	6	
13	61	22900	12	4	0	-1	1	1090.5	5.6	1.6	0.0	1096.0	6	
14	61	41320	14	6	0	-1	-2	1967.6	6.3	1.8	0.0	1974.0	6	
15	61	23080	8	4	0	-1	-1	1099.0	3.3	1.1	0.0	1102.4	1	
16	61	21910	9	4	0	-1	-0	1043.3	3.1	1.2	0.0	1046.4	1	
17	61	24720	8	4	0	-1	-1	1177.1	3.4	1.1	0.0	1180.5	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	24329	1	5	26	17	17	1.00	1.00	1176.6
1E	24571	1	5	26	17	17	1.00	1.00	1188.1
1I	24239	1	5	26	17	17	1.00	1.00	1171.9
1M	24661	1	5	26	17	17	1.00	1.00	1192.0
2	34060	1	8	26	17	17	1.00	1.00	1648.6
3	19450	1	4	26	17	17	1.00	1.00	941.9
4	17530	1	4	26	17	17	1.00	1.00	850.1
5	20430	1	4	26	17	17	1.00	1.00	988.6
6	40010	1	8	26	17	17	1.00	1.00	1934.5
7	22430	1	5	26	17	17	1.00	1.00	1085.1
8	20820	1	5	26	17	17	1.00	1.00	1008.3
9	24630	1	5	26	17	17	1.00	1.00	1190.4
10	38680	1	8	26	17	17	1.00	1.00	1870.5
11	22150	1	5	26	17	17	1.00	1.00	1071.6
12	20570	1	5	26	17	17	1.00	1.00	996.2
13	22900	1	5	26	17	17	1.00	1.00	1107.2
14	41320	1	8	26	17	17	1.00	1.00	1996.4
15	23080	1	5	26	17	17	1.00	1.00	1115.6
16	21910	1	5	26	17	17	1.00	1.00	1060.1
17	24720	1	5	26	17	17	1.00	1.00	1193.9

ASTA NUM. 101 NI 50 NF 118 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27500	7	-4	0	-0	-1	1309.5	4.8	0.9	0.0	1314.3	6	
1E	0	-27080	7	-4	0	-0	-1	1289.5	4.8	0.9	0.0	1294.3	6	
1I	0	-27595	6	-4	0	-1	-1	1314.0	5.0	0.8	0.0	1319.0	6	
1M	0	-26985	6	-4	0	-1	-1	1285.0	5.0	0.8	0.0	1290.0	6	
2	0	-38650	-5	-4	0	-1	-0	1840.5	3.3	0.6	0.0	1843.7	1	
3	0	-24740	-3	-2	0	-0	-0	1178.1	1.0	0.4	0.0	1179.1	6	
4	0	-21920	-3	-1	0	0	-0	1043.8	1.5	0.4	0.0	1045.3	1	
5	0	-24730	-3	-1	0	-0	-0	1177.6	1.7	0.4	0.0	1179.4	6	
6	0	-44280	7	-7	0	-1	-2	2108.6	7.5	1.0	0.0	2116.1	6	
7	0	-28700	4	-3	0	-0	-1	1366.7	4.0	0.6	0.0	1370.7	6	
8	0	-25580	4	-2	0	0	-1	1218.1	4.1	0.6	0.0	1222.2	6	
9	0	-29080	5	-3	0	-1	-1	1384.8	5.0	0.6	0.0	1389.8	6	
10	0	-40700	-4	-4	0	-1	-1	1938.1	4.0	0.6	0.0	1942.1	1	
11	0	-25870	-3	-2	0	-0	-0	1231.9	1.4	0.4	0.0	1233.3	6	
12	0	-23050	-3	-1	0	0	-0	1097.6	1.8	0.4	0.0	1099.4	6	
13	0	-26000	-3	-2	0	-0	-1	1238.1	2.0	0.3	0.0	1240.1	6	
14	0	-42970	8	-7	0	-1	-2	2046.2	8.2	1.1	0.0	2054.4	6	
15	0	-27740	4	-3	0	-0	-1	1321.0	4.2	0.6	0.0	1325.1	6	
16	0	-24480	5	-2	0	0	-1	1165.7	4.6	0.6	0.0	1170.3	6	
17	0	-28230	5	-3	0	-1	-1	1344.3	5.0	0.6	0.0	1349.3	6	
1A	35	-27495	4	-4	0	1	0	1309.3	4.0	0.6	0.0	1313.3	1	
1E	35	-27075	4	-4	0	1	0	1289.3	4.0	0.6	0.0	1293.3	1	
1I	35	-27590	3	-4	0	1	0	1313.8	3.1	0.6	0.0	1316.9	1	
1M	35	-26980	3	-4	0	1	0	1284.8	3.1	0.6	0.0	1287.9	1	
2	35	-38640	-3	-5	0	1	-2	1840.0	6.0	0.6	0.0	1846.0	6	
3	35	-24735	-2	-2	0	0	-1	1177.9	3.9	0.3	0.0	1181.8	6	
4	35	-21915	-2	-1	0	1	-1	1043.6	4.3	0.2	0.0	1047.9	6	
5	35	-24725	-2	-2	0	0	-1	1177.4	4.2	0.3	0.0	1181.6	6	
6	35	-44275	4	-7	0	1	0	2108.3	3.1	0.9	0.0	2111.4	1	
7	35	-28695	3	-3	0	1	0	1366.4	2.6	0.4	0.0	1369.0	1	
8	35	-25575	3	-3	0	1	0	1217.9	3.2	0.4	0.0	1221.1	1	
9	35	-29075	3	-3	0	1	-0	1384.5	2.1	0.5	0.0	1386.6	1	
10	35	-40690	-3	-5	0	1	-2	1937.6	6.2	0.7	0.0	1943.8	6	
11	35	-25860	-2	-3	0	0	-1	1231.4	4.0	0.3	0.0	1235.4	6	
12	35	-23040	-2	-2	0	1	-1	1097.1	4.6	0.2	0.0	1101.7	6	
13	35	-25995	-2	-2	0	0	-1	1237.9	4.3	0.3	0.0	1242.1	6	
14	35	-42965	5	-7	0	1	0	2046.0	3.0	0.9	0.0	2048.9	1	
15	35	-27735	3	-3	0	1	0	1320.7	2.5	0.4	0.0	1323.2	1	
16	35	-24475	3	-2	0	1	-0	1165.5	3.3	0.4	0.0	1168.8	1	
17	35	-28225	3	-3	0	1	-0	1344.0	2.0	0.4	0.0	1346.0	1	
1A	69	-27490	1	-4	0	3	1	1309.1	9.6	0.6	0.0	1318.7	1	
1E	69	-27070	1	-4	0	3	1	1289.0	9.6	0.6	0.0	1298.7	1	
1I	69	-27585	0	-4	0	2	1	1313.6	8.7	0.6	0.0	1322.2	1	
1M	69	-26975	0	-4	0	2	1	1284.5	8.7	0.6	0.0	1293.2	1	
2	69	-38630	-1	-6	0	2	-3	1839.5	10.4	0.7	0.0	1849.9	6	
3	69	-24730	-1	-3	0	1	-2	1177.6	6.4	0.4	0.0	1184.0	6	
4	69	-21910	-1	-2	0	1	-2	1043.3	6.4	0.3	0.0	1049.7	6	
5	69	-24720	-1	-3	0	1	-2	1177.1	6.5	0.4	0.0	1183.6	6	
6	69	-44270	2	-7	0	3	1	2108.1	11.9	1.0	0.0	2120.0	1	
7	69	-28690	1	-3	0	2	1	1366.2	6.9	0.5	0.0	1373.1	1	
8	69	-25570	1	-3	0	2	1	1217.6	6.8	0.4	0.0	1224.4	1	
9	69	-29070	1	-4	0	2	1	1384.3	6.4	0.5	0.0	1390.7	1	
10	69	-40680	-1	-6	0	3	-3	1937.1	10.6	0.8	0.0	1947.7	6	
11	69	-25850	-1	-3	0	1	-2	1231.0	6.5	0.4	0.0	1237.5	6	
12	69	-23030	-1	-2	0	1	-2	1096.7	6.6	0.3	0.0	1103.2	6	
13	69	-25990	-1	-3	0	1	-2	1237.6	6.6	0.4	0.0	1244.2	6	
14	69	-42960	2	-7	0	3	1	2045.7	11.8	1.0	0.0	2057.5	1	
15	69	-27730	1	-3	0	2	1	1320.5	6.7	0.4	0.0	1327.2	1	
16	69	-24470	1	-2	0	2	1	1165.2	6.5	0.3	0.0	1171.7	1	
17	69	-28220	1	-3	0	2	1	1343.8	6.2	0.5	0.0	1350.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27500	1	1	30	19	19	1.11	1.00	1459.9	
1E	-27080	1	1	30	19	19	1.11	1.00	1437.6	
1I	-27595	1	1	30	19	19	1.11	1.00	1464.1	
1M	-26985	1	1	30	19	19	1.11	1.00	1431.9	
2	-38650	1	2	30	19	19	1.11	1.00	2051.6	
3	-24740	1	1	30	19	19	1.11	1.00	1313.3	
4	-21920	1	1	30	19	19	1.11	1.00	1164.9	
5	-24730	1	1	30	19	19	1.11	1.00	1312.8	
6	-44280	1	1	30	19	19	1.11	1.00	2347.7	
7	-28700	1	0	30	19	19	1.11	1.00	1521.9	
8	-25580	1	1	30	19	19	1.11	1.00	1357.6	
9	-29080	1	1	30	19	19	1.11	1.00	1541.9	
10	-40700	1	2	30	19	19	1.11	1.00	2160.2	
11	-25870	1	1	30	19	19	1.11	1.00	1373.2	
12	-23050	1	1	30	19	19	1.11	1.00	1224.9	
13	-26000	1	1	30	19	19	1.11	1.00	1380.0	
14	-42970	1	1	30	19	19	1.11	1.00	2278.6	
15	-27740	1	1	30	19	19	1.11	1.00	1471.1	
16	-24480	1	1	30	19	19	1.11	1.00	1299.6	
17	-28230	1	1	30	19	19	1.11	1.00	1496.8	

ASTA NUM. 102 NI 77 NF 120 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27480	6	3	0	1	0	1308.6	2.0	0.8	0.0	1310.6	1	
1E	0	-27100	6	3	0	1	0	1290.5	2.0	0.8	0.0	1292.4	1	
1I	0	-27561	5	2	0	0	1	1312.4	1.8	0.7	0.0	1314.2	6	
1M	0	-27019	5	2	0	0	1	1286.6	1.8	0.7	0.0	1288.4	6	
2	0	-38420	-9	5	0	1	4	1829.5	13.8	1.2	0.0	1843.3	6	
3	0	-24550	-5	3	0	0	3	1169.0	8.3	0.7	0.0	1177.3	6	
4	0	-21820	-5	3	0	0	3	1039.0	8.0	0.7	0.0	1047.1	6	
5	0	-24400	-5	3	0	0	3	1161.9	8.2	0.7	0.0	1170.1	6	
6	0	-44220	5	3	0	0	1	2105.7	3.9	0.7	0.0	2109.6	6	
7	0	-28600	3	2	0	-0	1	1361.9	2.0	0.4	0.0	1363.9	6	
8	0	-25590	3	2	0	-0	1	1218.6	1.8	0.4	0.0	1220.4	6	
9	0	-28800	3	2	0	-0	1	1371.4	2.2	0.4	0.0	1373.6	6	
10	0	-40490	-9	5	0	1	5	1928.1	14.5	1.2	0.0	1942.6	6	
11	0	-25690	-5	3	0	0	3	1223.3	8.7	0.7	0.0	1232.0	6	
12	0	-22960	-5	3	0	0	3	1093.3	8.5	0.7	0.0	1101.8	6	
13	0	-25690	-5	3	0	0	3	1223.3	8.6	0.7	0.0	1231.9	6	
14	0	-42910	6	3	0	0	1	2043.3	3.6	0.8	0.0	2046.9	6	
15	0	-27640	3	2	0	-0	1	1316.2	2.1	0.4	0.0	1318.2	6	
16	0	-24490	3	2	0	-0	1	1166.2	1.9	0.4	0.0	1168.1	6	
17	0	-27970	3	2	0	-0	1	1331.9	2.2	0.4	0.0	1334.1	6	
1A	32	-27475	4	3	0	-0	2	1308.3	5.8	0.5	0.0	1314.2	6	
1E	32	-27095	4	3	0	-0	2	1290.2	5.8	0.5	0.0	1296.1	6	
1I	32	-27556	3	2	0	-0	2	1312.2	6.0	0.3	0.0	1318.1	6	
1M	32	-27014	3	2	0	-0	2	1286.4	6.0	0.3	0.0	1292.3	6	
2	32	-38410	-7	4	0	-1	2	1829.0	6.2	1.0	0.0	1835.3	6	
3	32	-24545	-5	2	0	-0	1	1168.8	3.7	0.6	0.0	1172.5	6	
4	32	-21815	-5	2	0	-0	1	1038.8	3.4	0.6	0.0	1042.2	6	
5	32	-24395	-5	2	0	-0	1	1161.7	3.6	0.6	0.0	1165.3	6	
6	32	-44215	3	3	0	-1	2	2105.5	8.6	0.4	0.0	2114.1	6	
7	32	-28600	2	2	0	-1	1	1361.9	5.1	0.2	0.0	1367.0	6	
8	32	-25585	2	2	0	-1	1	1218.3	4.8	0.2	0.0	1223.2	6	
9	32	-28795	2	2	0	-1	1	1371.2	5.2	0.2	0.0	1376.3	6	
10	32	-40480	-7	4	0	-1	2	1927.6	6.8	1.0	0.0	1934.5	6	
11	32	-25685	-5	2	0	-1	1	1223.1	4.0	0.6	0.0	1227.1	6	
12	32	-22950	-5	2	0	-0	1	1092.9	3.7	0.6	0.0	1096.6	6	
13	32	-25685	-5	2	0	-1	1	1223.1	3.9	0.6	0.0	1227.0	6	
14	32	-42905	3	3	0	-1	3	2043.1	8.8	0.4	0.0	2051.9	6	

15	32	-27635	2	2	0	-1	1	1316.0	5.1	0.2	0.0	1321.0	6
16	32	-24485	2	1	0	-0	1	1166.0	4.8	0.2	0.0	1170.8	6
17	32	-27965	2	1	0	-1	1	1331.7	5.1	0.2	0.0	1336.8	6
1A	64	-27470	1	3	0	-1	2	1308.1	9.3	0.4	0.0	1317.4	6
1E	64	-27090	1	3	0	-1	2	1290.0	9.3	0.4	0.0	1299.2	6
1I	64	-27551	-0	2	0	-1	2	1311.9	7.9	0.3	0.0	1319.9	6
1M	64	-27009	-0	2	0	-1	2	1286.2	7.9	0.3	0.0	1294.1	6
2	64	-38400	-6	3	0	-2	-0	1828.6	5.9	0.8	0.0	1834.5	1
3	64	-24540	-4	2	0	-1	-0	1168.6	3.7	0.5	0.0	1172.3	1
4	64	-21810	-4	1	0	-1	-0	1038.6	3.5	0.5	0.0	1042.1	1
5	64	-24390	-4	1	0	-1	-0	1161.4	3.6	0.5	0.0	1165.0	1
6	64	-44210	0	3	0	-2	3	2105.2	11.1	0.4	0.0	2116.4	6
7	64	-28600	0	1	0	-1	2	1361.9	6.7	0.2	0.0	1368.6	6
8	64	-25580	0	1	0	-1	2	1218.1	6.3	0.2	0.0	1224.4	6
9	64	-28790	0	1	0	-1	2	1371.0	6.6	0.2	0.0	1377.6	6
10	64	-40470	-6	3	0	-2	-0	1927.1	6.1	0.8	0.0	1933.2	1
11	64	-25680	-4	2	0	-1	-0	1222.9	3.8	0.5	0.0	1226.7	1
12	64	-22940	-4	2	0	-1	-0	1092.4	3.6	0.5	0.0	1096.0	1
13	64	-25680	-4	2	0	-1	-0	1222.9	3.7	0.5	0.0	1226.5	1
14	64	-42900	0	2	0	-2	3	2042.9	11.4	0.3	0.0	2054.2	6
15	64	-27630	0	1	0	-1	2	1315.7	6.5	0.2	0.0	1322.3	6
16	64	-24480	0	1	0	-1	2	1165.7	6.2	0.2	0.0	1171.9	6
17	64	-27960	0	1	0	-1	2	1331.4	6.5	0.2	0.0	1337.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27480	1	2	27	18	18	1.08	1.00	1420.2	
1E	-27100	1	2	27	18	18	1.08	1.00	1400.6	
1I	-27561	1	2	27	18	18	1.08	1.00	1424.1	
1M	-27019	1	2	27	18	18	1.08	1.00	1396.2	
2	-38420	1	2	27	18	18	1.08	1.00	1986.3	
3	-24550	1	1	27	18	18	1.08	1.00	1268.8	
4	-21820	0	1	27	18	18	1.08	1.00	1127.9	
5	-24400	1	1	27	18	18	1.08	1.00	1261.0	
6	-44220	1	2	27	18	18	1.08	1.00	2284.6	
7	-28600	1	1	27	18	18	1.08	1.00	1477.0	
8	-25590	1	1	27	18	18	1.08	1.00	1321.8	
9	-28800	1	1	27	18	18	1.08	1.00	1487.4	
10	-40490	1	3	27	18	18	1.08	1.00	2093.5	
11	-25690	1	2	27	18	18	1.08	1.00	1327.8	
12	-22960	1	1	27	18	18	1.08	1.00	1187.0	
13	-25690	1	2	27	18	18	1.08	1.00	1327.7	
14	-42910	1	2	27	18	18	1.08	1.00	2217.2	
15	-27640	1	1	27	18	18	1.08	1.00	1427.6	
16	-24490	1	1	27	18	18	1.08	1.00	1265.1	
17	-27970	1	1	27	18	18	1.08	1.00	1444.5	

ASTA NUM. 103 NI 81 NF 122 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27504	9	-3	0	0	-0	1309.7	0.1	1.2	0.0	1309.8	1	
1E	0	-27176	9	-3	0	0	-0	1294.1	0.1	1.2	0.0	1294.2	1	
1I	0	-27588	8	-3	0	-0	0	1313.7	1.0	1.1	0.0	1314.7	6	
1M	0	-27092	8	-3	0	-0	0	1290.1	1.0	1.1	0.0	1291.1	6	
2	0	-38310	-3	-3	0	0	3	1824.3	10.8	0.5	0.0	1835.1	6	
3	0	-24440	-3	-2	0	0	2	1163.8	6.6	0.3	0.0	1170.4	6	
4	0	-21800	-3	-1	0	0	2	1038.1	6.4	0.3	0.0	1044.5	6	
5	0	-24120	-3	-1	0	-0	2	1148.6	6.6	0.4	0.0	1155.1	6	
6	0	-44260	10	-6	0	-0	1	2107.6	3.3	1.3	0.0	2110.9	6	
7	0	-28550	6	-3	0	-0	1	1359.5	2.1	0.7	0.0	1361.6	6	
8	0	-25650	6	-3	0	-0	0	1221.4	1.7	0.8	0.0	1223.1	6	
9	0	-28550	6	-3	0	-0	1	1359.5	2.0	0.8	0.0	1361.6	6	
10	0	-40410	-3	-3	0	0	4	1924.3	11.1	0.4	0.0	1935.4	6	
11	0	-25600	-2	-2	0	0	2	1219.0	6.8	0.3	0.0	1225.9	6	
12	0	-22950	-2	-2	0	0	2	1092.9	6.6	0.3	0.0	1099.4	6	
13	0	-25440	-2	-2	0	-0	2	1211.4	6.7	0.3	0.0	1218.2	6	
14	0	-42940	11	-6	0	-0	1	2044.8	2.8	1.5	0.0	2047.6	6	
15	0	-27590	6	-3	0	-0	1	1313.8	2.0	0.8	0.0	1315.8	6	
16	0	-24560	6	-3	0	-0	0	1169.5	1.6	0.8	0.0	1171.2	6	
17	0	-27740	6	-3	0	-0	1	1321.0	2.0	0.8	0.0	1322.9	6	
1A	30	-27499	7	-3	0	1	2	1309.5	8.2	0.9	0.0	1317.7	6	
1E	30	-27171	7	-3	0	1	2	1293.9	8.2	0.9	0.0	1302.1	6	
1I	30	-27583	6	-3	0	1	2	1313.5	8.3	0.8	0.0	1321.8	6	
1M	30	-27087	6	-3	0	1	2	1289.9	8.3	0.8	0.0	1298.1	6	
2	30	-38300	-2	-4	0	1	3	1823.8	9.3	0.5	0.0	1833.2	6	
3	30	-24435	-2	-2	0	1	2	1163.6	5.3	0.3	0.0	1168.9	6	
4	30	-21795	-2	-2	0	1	1	1037.9	4.9	0.3	0.0	1042.8	6	
5	30	-24115	-2	-2	0	0	1	1148.3	5.0	0.3	0.0	1153.3	6	
6	30	-44250	8	-6	0	1	4	2107.1	12.6	1.0	0.0	2119.7	6	
7	30	-28550	4	-3	0	1	2	1359.5	7.0	0.5	0.0	1366.6	6	
8	30	-25650	4	-3	0	1	2	1221.4	6.9	0.6	0.0	1228.4	6	
9	30	-28545	4	-3	0	1	2	1359.3	7.0	0.6	0.0	1366.3	6	
10	30	-40400	-1	-4	0	1	3	1923.8	10.5	0.5	0.0	1934.3	6	
11	30	-25595	-1	-2	0	1	2	1218.8	5.9	0.3	0.0	1224.7	6	
12	30	-22945	-1	-2	0	1	2	1092.6	5.6	0.3	0.0	1098.2	6	
13	30	-25435	-1	-2	0	1	2	1211.2	5.6	0.3	0.0	1216.8	6	
14	30	-42935	8	-6	0	1	4	2044.5	12.9	1.1	0.0	2057.4	6	
15	30	-27585	4	-3	0	1	2	1313.6	7.1	0.6	0.0	1320.7	6	
16	30	-24555	4	-3	0	1	2	1169.3	6.9	0.6	0.0	1176.2	6	
17	30	-27735	4	-3	0	1	2	1320.7	7.0	0.6	0.0	1327.8	6	
1A	61	-27494	4	-3	0	2	4	1309.2	14.1	0.5	0.0	1323.4	6	
1E	61	-27166	4	-3	0	2	4	1293.6	14.1	0.5	0.0	1307.7	6	
1I	61	-27578	3	-3	0	2	4	1313.2	13.6	0.5	0.0	1326.9	6	
1M	61	-27082	3	-3	0	2	4	1289.6	13.6	0.5	0.0	1303.3	6	
2	61	-38290	-1	-4	0	2	2	1823.3	9.5	0.6	0.0	1832.9	1	
3	61	-24430	-1	-3	0	1	1	1163.3	5.2	0.4	0.0	1168.6	1	
4	61	-21790	-1	-2	0	1	1	1037.6	4.9	0.3	0.0	1042.5	1	
5	61	-24110	-1	-2	0	1	1	1148.1	4.7	0.3	0.0	1152.8	1	
6	61	-44240	5	-6	0	3	6	2106.7	20.7	0.8	0.0	2127.3	6	
7	61	-28550	3	-4	0	2	3	1359.5	11.4	0.5	0.0	1370.9	6	
8	61	-25650	3	-3	0	2	3	1221.4	11.4	0.5	0.0	1232.9	6	
9	61	-28540	3	-3	0	2	3	1359.0	11.5	0.5	0.0	1370.5	6	
10	61	-40390	0	-5	0	2	3	1923.3	11.4	0.6	0.0	1934.7	6	
11	61	-25590	-0	-3	0	1	1	1218.6	6.0	0.4	0.0	1224.6	6	
12	61	-22940	-1	-3	0	1	1	1092.4	5.6	0.4	0.0	1098.0	1	
13	61	-25430	-1	-3	0	1	1	1211.0	5.6	0.4	0.0	1216.5	6	
14	61	-42930	6	-6	0	3	6	2044.3	21.6	0.8	0.0	2065.9	6	
15	61	-27580	3	-3	0	2	3	1313.3	11.6	0.5	0.0	1324.9	6	
16	61	-24550	3	-3	0	2	3	1169.0	11.5	0.5	0.0	1180.5	6	
17	61	-27730	3	-3	0	2	3	1320.5	11.6	0.5	0.0	1332.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27504	1	2	26	17	17	1.08	1.00	1425.1	
1E	-27176	1	2	26	17	17	1.08	1.00	1408.2	
1I	-27588	1	2	26	17	17	1.08	1.00	1429.5	
1M	-27092	1	2	26	17	17	1.08	1.00	1404.0	
2	-38310	1	3	26	17	17	1.08	1.00	1984.0	
3	-24440	1	2	26	17	17	1.08	1.00	1264.8	
4	-21800	1	2	26	17	17	1.08	1.00	1128.6	
5	-24120	1	2	26	17	17	1.08	1.00	1247.8	
6	-44260	2	4	26	17	17	1.08	1.00	2293.5	
7	-28550	1	2	26	17	17	1.08	1.00	1477.7	
8	-25650	1	2	26	17	17	1.08	1.00	1328.5	
9	-28550	1	2	26	17	17	1.08	1.00	1477.6	
10	-40410	2	3	26	17	17	1.08	1.00	2093.3	
11	-25600	1	2	26	17	17	1.08	1.00	1325.2	
12	-22950	1	2	26	17	17	1.08	1.00	1188.4	
13	-25440	1	2	26	17	17	1.08	1.00	1316.5	
14	-42940	2	4	26	17	17	1.08	1.00	2225.9	
15	-27590	1	2	26	17	17	1.08	1.00	1428.4	
16	-24560	1	2	26	17	17	1.08	1.00	1272.4	
17	-27740	1	2	26	17	17	1.08	1.00	1435.9	

ASTA NUM. 104 NI 85 NF 124 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-27391	3	2	0	1	4	1304.3	14.8	0.4	0.0	1319.1	6	
1E	0	-27149	3	2	0	1	4	1292.8	14.8	0.4	0.0	1307.6	6	
1I	0	-27481	2	2	0	1	5	1308.6	15.2	0.3	0.0	1323.8	6	
1M	0	-27059	2	2	0	1	5	1288.5	15.2	0.3	0.0	1303.7	6	
2	0	-38010	-13	4	0	2	10	1810.0	31.1	1.8	0.0	1841.1	6	
3	0	-24210	-8	3	0	1	5	1152.9	17.6	1.0	0.0	1170.5	6	

4	0	-21680	-8	2	0	1	5	1032.4	17.0	1.0	0.0	1049.4	6
5	0	-23690	-7	2	0	1	5	1128.1	16.9	0.9	0.0	1145.0	6
6	0	-44110	-1	3	0	1	8	2100.5	26.3	0.4	0.0	2126.8	6
7	0	-28390	1	1	0	1	4	1351.9	13.6	0.2	0.0	1365.5	6
8	0	-25630	0	1	0	1	4	1220.5	13.9	0.2	0.0	1234.4	6
9	0	-28140	1	1	0	1	4	1340.0	13.9	0.2	0.0	1353.9	6
10	0	-40130	-15	5	0	2	11	1911.0	34.6	2.0	0.0	1945.5	6
11	0	-25380	-8	3	0	1	6	1208.6	19.5	1.1	0.0	1228.0	6
12	0	-22850	-8	3	0	1	6	1088.1	18.7	1.1	0.0	1106.8	6
13	0	-25040	-8	3	0	1	6	1192.4	18.8	1.0	0.0	1211.2	6
14	0	-42790	-1	3	0	1	8	2037.6	27.2	0.4	0.0	2064.8	6
15	0	-27420	0	1	0	1	4	1305.7	14.1	0.2	0.0	1319.8	6
16	0	-24530	0	1	0	1	4	1168.1	14.1	0.2	0.0	1182.2	6
17	0	-27360	1	1	0	1	4	1302.9	14.3	0.2	0.0	1317.1	6
1A	30	-27391	0	2	0	0	5	1304.3	15.3	0.3	0.0	1319.6	6
1E	30	-27149	0	2	0	0	5	1292.8	15.3	0.3	0.0	1308.1	6
1I	30	-27481	-1	2	0	0	5	1308.6	15.2	0.2	0.0	1323.8	6
1M	30	-27059	-1	2	0	0	5	1288.5	15.2	0.2	0.0	1303.7	6
2	30	-38005	-12	4	0	0	6	1809.8	17.8	1.6	0.0	1827.6	6
3	30	-24205	-7	2	0	0	3	1152.6	10.0	0.9	0.0	1162.6	6
4	30	-21675	-7	2	0	0	3	1032.1	9.6	0.9	0.0	1041.8	6
5	30	-23685	-6	2	0	0	3	1127.9	10.1	0.8	0.0	1138.0	6
6	30	-44105	-3	3	0	0	7	2100.2	23.5	0.4	0.0	2123.7	6
7	30	-28385	-1	1	0	0	4	1351.7	13.0	0.2	0.0	1364.7	6
8	30	-25625	-1	1	0	0	4	1220.2	13.1	0.2	0.0	1233.4	6
9	30	-28135	-0	1	0	0	4	1339.8	13.8	0.2	0.0	1353.5	6
10	30	-40120	-13	4	0	0	6	1910.5	19.9	1.8	0.0	1930.4	6
11	30	-25375	-8	2	0	0	4	1208.3	11.2	1.0	0.0	1219.5	6
12	30	-22840	-7	2	0	0	3	1087.6	10.9	1.0	0.0	1098.5	6
13	30	-25035	-7	2	0	0	4	1192.1	11.2	0.9	0.0	1203.4	6
14	30	-42785	-4	3	0	0	8	2037.4	24.0	0.5	0.0	2061.4	6
15	30	-27415	-1	1	0	0	4	1305.5	13.1	0.2	0.0	1318.6	6
16	30	-24530	-1	1	0	0	4	1168.1	13.2	0.2	0.0	1181.3	6
17	30	-27355	-1	1	0	0	4	1302.6	13.6	0.2	0.0	1316.3	6
1A	61	-27391	-2	2	0	-0	4	1304.3	14.1	0.3	0.0	1318.4	6
1E	61	-27149	-2	2	0	-0	4	1292.8	14.1	0.3	0.0	1306.9	6
1I	61	-27481	-3	2	0	-0	4	1308.6	13.3	0.4	0.0	1321.9	6
1M	61	-27059	-3	2	0	-0	4	1288.5	13.3	0.4	0.0	1301.8	6
2	61	-38000	-11	3	0	-1	2	1809.5	7.6	1.4	0.0	1817.1	6
3	61	-24200	-6	1	0	-0	1	1152.4	4.3	0.8	0.0	1156.6	6
4	61	-21670	-6	1	0	-0	1	1031.9	4.1	0.8	0.0	1036.0	6
5	61	-23680	-5	1	0	-0	2	1127.6	5.0	0.7	0.0	1132.6	6
6	61	-44100	-5	2	0	-0	6	2100.0	19.3	0.7	0.0	2119.3	6
7	61	-28380	-2	1	0	-0	4	1351.4	11.6	0.3	0.0	1363.0	6
8	61	-25620	-2	1	0	-0	4	1220.0	11.4	0.3	0.0	1231.4	6
9	61	-28130	-2	1	0	-0	4	1339.5	12.6	0.2	0.0	1352.2	6
10	61	-40110	-12	3	0	-1	3	1910.0	8.5	1.6	0.0	1918.5	6
11	61	-25370	-7	2	0	-0	1	1208.1	4.8	0.9	0.0	1212.9	6
12	61	-22830	-6	2	0	-0	1	1087.1	4.9	0.8	0.0	1092.0	6
13	61	-25030	-6	1	0	-0	2	1191.9	5.4	0.8	0.0	1197.4	6
14	61	-42780	-6	2	0	-0	6	2037.1	19.2	0.8	0.0	2056.3	6
15	61	-27410	-3	1	0	-0	4	1305.2	11.2	0.4	0.0	1316.5	6
16	61	-24530	-3	1	0	-0	4	1168.1	11.4	0.3	0.0	1179.5	6
17	61	-27350	-2	1	0	-0	4	1302.4	12.0	0.3	0.0	1314.4	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-27391	1	4	26	17	17	1.08	1.00	1424.3	
1E	-27149	1	4	26	17	17	1.08	1.00	1411.8	
1I	-27481	0	4	26	17	17	1.08	1.00	1428.7	
1M	-27059	0	4	26	17	17	1.08	1.00	1406.9	
2	-38010	1	7	26	17	17	1.08	1.00	1977.7	
3	-24210	0	4	26	17	17	1.08	1.00	1257.9	
4	-21680	0	4	26	17	17	1.08	1.00	1127.3	
5	-23690	0	4	26	17	17	1.08	1.00	1231.0	
6	-44110	1	7	26	17	17	1.08	1.00	2293.8	
7	-28390	0	4	26	17	17	1.08	1.00	1473.6	
8	-25630	0	4	26	17	17	1.08	1.00	1331.8	
9	-28140	0	4	26	17	17	1.08	1.00	1461.3	
10	-40130	1	7	26	17	17	1.08	1.00	2089.4	
11	-25380	0	4	26	17	17	1.08	1.00	1319.5	
12	-22850	0	4	26	17	17	1.08	1.00	1189.0	
13	-25040	0	4	26	17	17	1.08	1.00	1301.8	
14	-42790	1	7	26	17	17	1.08	1.00	2226.4	
15	-27420	0	4	26	17	17	1.08	1.00	1423.9	
16	-24530	0	4	26	17	17	1.08	1.00	1275.3	
17	-27360	0	4	26	17	17	1.08	1.00	1421.2	

ASTA NUM. 105 NI 49 NF 119 Lungh. 69.3 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26370	7	6	0	2	-1	1255.7	8.0	0.9	0.0	1263.8	1	
1E	0	-25950	7	6	0	2	-1	1235.7	8.0	0.9	0.0	1243.7	1	
1I	0	-26464	6	6	0	2	-1	1260.2	6.9	0.8	0.0	1267.1	1	
1M	0	-25856	6	6	0	2	-1	1231.2	6.9	0.8	0.0	1238.2	1	
2	0	-36180	-5	5	0	2	-0	1722.9	6.3	0.7	0.0	1729.2	1	
3	0	-19940	-3	4	0	1	0	949.5	4.6	0.5	0.0	954.2	1	
4	0	-19890	-3	4	0	2	0	947.1	5.9	0.5	0.0	953.1	1	
5	0	-16440	-3	3	0	1	-0	782.9	4.3	0.4	0.0	787.1	1	
6	0	-42730	7	8	0	2	-2	2034.8	9.5	1.1	0.0	2044.3	1	
7	0	-22670	4	6	0	2	-1	1079.5	6.8	0.8	0.0	1086.3	1	
8	0	-23810	4	6	0	2	-1	1133.8	8.3	0.8	0.0	1142.1	1	
9	0	-19520	4	5	0	2	-1	929.5	6.4	0.7	0.0	935.9	1	
10	0	-39180	-4	6	0	2	-0	1865.7	6.9	0.8	0.0	1872.6	1	
11	0	-21660	-3	4	0	2	-0	1031.4	4.8	0.5	0.0	1036.2	1	
12	0	-21610	-3	4	0	2	-0	1029.0	6.3	0.6	0.0	1035.4	1	
13	0	-18170	-3	3	0	1	-0	865.2	4.6	0.5	0.0	869.8	1	
14	0	-41420	8	8	0	2	-2	1972.4	9.7	1.1	0.0	1982.1	1	
15	0	-21700	4	6	0	2	-1	1033.3	6.8	0.7	0.0	1040.1	1	
16	0	-22730	4	6	0	2	-1	1082.4	8.5	0.8	0.0	1090.9	1	
17	0	-18470	4	5	0	2	-1	879.5	6.2	0.7	0.0	885.8	1	
1A	35	-26365	4	6	0	0	1	1255.5	1.8	0.8	0.0	1257.2	6	
1E	35	-25945	4	6	0	0	1	1235.5	1.8	0.8	0.0	1237.2	6	
1I	35	-26459	3	6	0	-0	0	1260.0	1.2	0.8	0.0	1261.2	6	
1M	35	-25851	3	6	0	-0	0	1231.0	1.2	0.8	0.0	1232.2	6	
2	35	-36170	-3	6	0	-0	-2	1722.4	5.0	0.8	0.0	1727.3	6	
3	35	-19935	-2	4	0	0	-1	949.3	2.8	0.6	0.0	952.1	6	
4	35	-19880	-2	5	0	0	-1	946.7	3.3	0.6	0.0	949.9	6	
5	35	-16435	-2	4	0	0	-1	782.6	3.2	0.5	0.0	785.8	6	
6	35	-42725	4	9	0	-0	0	2034.5	1.7	1.1	0.0	2036.2	1	
7	35	-22665	2	6	0	-0	0	1079.3	1.1	0.8	0.0	1080.4	6	
8	35	-23805	2	6	0	0	0	1133.6	1.0	0.8	0.0	1134.6	6	
9	35	-19515	3	5	0	-0	0	929.3	0.5	0.7	0.0	929.8	1	
10	35	-39170	-3	7	0	-0	-2	1865.2	5.4	0.9	0.0	1870.6	6	
11	35	-21655	-2	4	0	0	-1	1031.2	3.0	0.6	0.0	1034.2	6	
12	35	-21605	-2	5	0	0	-1	1028.8	3.6	0.7	0.0	1032.4	6	
13	35	-18165	-2	4	0	0	-1	865.0	3.4	0.5	0.0	868.4	6	
14	35	-41415	5	8	0	-0	0	1972.1	1.6	1.1	0.0	1973.7	1	
15	35	-21700	2	6	0	-0	0	1033.3	0.9	0.8	0.0	1034.3	6	
16	35	-22725	3	6	0	0	0	1082.1	1.1	0.8	0.0	1083.2	1	
17	35	-18465	3	5	0	-0	0	879.3	0.5	0.7	0.0	879.8	1	
1A	69	-26360	1	6	0	-2	1	1255.3	7.7	0.8	0.0	1262.9	1	
1E	69	-25940	1	6	0	-2	1	1235.2	7.7	0.8	0.0	1242.9	1	
1I	69	-26454	0	6	0	-2	1	1259.7	7.5	0.8	0.0	1267.3	1	
1M	69	-25846	0	6	0	-2	1	1230.7	7.5	0.8	0.0	1238.3	1	
2	69	-36160	-2	7	0	-2	-2	1721.9	10.3	1.0	0.0	1732.2	6	
3	69	-19930	-1	5	0	-1	-1	949.0	6.1	0.6	0.0	955.2	6	
4	69	-19870	-1	5	0	-1	-2	946.2	6.2	0.7	0.0	952.4	6	
5	69	-16430	-1	4	0	-1	-2	782.4	6.4	0.6	0.0	788.7	6	
6	69	-42720	2	9	0	-3	1	2034.3	12.1	1.2	0.0	2046.3	1	
7	69	-22660	1	6	0	-2	1	1079.0	7.4	0.8	0.0	1086.5	1	
8	69	-23800	1	6	0	-2	1	1133.3	7.0	0.9	0.0	1140.4	1	
9	69	-19510	1	5	0	-2	1	929.0	7.0	0.7	0.0	936.0	1	
10	69	-39160	-1	8	0	-3	-2	1864.8	10.7	1.0	0.0	1875.4	1	
11	69	-21650	-1	5	0	-2	-1	1031.0	6.4	0.7	0.0	1037.4	1	
12	69	-21600	-1	6	0	-1	-2	1028.6	6.4	0.7	0.0	1034.9	6	
13	69	-18160	-1	5	0	-1	-2	864.8	6.5	0.6	0.0	871.3	6	
14	69	-41410	2	9	0	-3	1	1971.9	12.0	1.2	0.0	1983.9	1	
15	69	-21700	1	6	0	-2	1	1033.3	7.2	0.8	0.0	1040.5	1	
16	69	-22720	1	6	0	-2	1	1081.9	6.7	0.9	0.0	1088.6	1	
17	69	-18460	1	5	0	-2	1	879.0	6.8	0.7	0.0	885.8	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26370	1	1	30	19	19	1.11	1.00	1398.3	
1E	-25950	1	1	30	19	19	1.11	1.00	1376.1	
1I	-26464	1	1	30	19	19	1.11	1.00	1403.0	
1M	-25856	1	1	30	19	19	1.11	1.00	1370.9	
2	-36180	1	2	30	19	19	1.11	1.00	1920.3	
3	-19940	1	1	30	19	19	1.11	1.00	1058.4	

4	-19890	1	1	30	19	19	1.11	1.00	1056.5
5	-16440	1	1	30	19	19	1.11	1.00	873.7
6	-42730	1	1	30	19	19	1.11	1.00	2265.3
7	-22670	1	0	30	19	19	1.11	1.00	1202.0
8	-23810	1	0	30	19	19	1.11	1.00	1262.6
9	-19520	1	0	30	19	19	1.11	1.00	1035.6
10	-39180	1	2	30	19	19	1.11	1.00	2079.5
11	-21660	1	1	30	19	19	1.11	1.00	1149.7
12	-21610	1	1	30	19	19	1.11	1.00	1147.8
13	-18170	1	1	30	19	19	1.11	1.00	965.4
14	-41420	1	1	30	19	19	1.11	1.00	2196.2
15	-21700	1	0	30	19	19	1.11	1.00	1150.6
16	-22730	1	0	30	19	19	1.11	1.00	1205.7
17	-18470	1	0	30	19	19	1.11	1.00	980.0

ASTA NUM. 106 NI 76 NF 121 Lungh. 63.6 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26330	6	1	0	1	0	1253.8	2.8	0.8	0.0	1256.7	1	
1E	0	-25950	6	1	0	1	0	1235.7	2.8	0.8	0.0	1238.5	1	
1I	0	-26411	5	-0	0	0	1	1257.6	2.3	0.7	0.0	1259.9	6	
1M	0	-25869	5	-0	0	0	1	1231.9	2.3	0.7	0.0	1234.1	6	
2	0	-35970	-9	-5	0	-1	4	1712.9	14.0	1.2	0.0	1726.9	6	
3	0	-19850	-6	-3	0	-0	3	945.2	8.6	0.7	0.0	953.9	6	
4	0	-19720	-6	-3	0	-0	3	939.0	8.5	0.7	0.0	947.5	6	
5	0	-16500	-6	-3	0	-0	3	785.7	8.4	0.7	0.0	794.2	6	
6	0	-42650	5	-3	0	-0	1	2031.0	4.2	0.7	0.0	2035.1	6	
7	0	-22680	3	-2	0	-0	1	1080.0	2.4	0.4	0.0	1082.4	6	
8	0	-23710	3	-2	0	-0	1	1129.0	2.4	0.4	0.0	1131.4	6	
9	0	-19720	3	-2	0	-0	1	939.0	2.3	0.4	0.0	941.4	6	
10	0	-38950	-9	-5	0	-1	5	1854.8	14.7	1.2	0.0	1869.5	6	
11	0	-21550	-6	-3	0	-0	3	1026.2	9.0	0.7	0.0	1035.2	6	
12	0	-21430	-6	-3	0	-0	3	1020.5	8.9	0.7	0.0	1029.4	6	
13	0	-18200	-6	-3	0	-0	3	866.7	8.8	0.7	0.0	875.5	6	
14	0	-41340	6	-3	0	-0	1	1968.6	3.9	0.8	0.0	1972.4	6	
15	0	-21710	3	-2	0	-0	1	1033.8	2.5	0.4	0.0	1036.3	6	
16	0	-22630	3	-2	0	-0	1	1077.6	2.4	0.4	0.0	1080.1	6	
17	0	-18640	3	-1	0	-0	1	887.6	2.3	0.4	0.0	889.9	6	
1A	32	-26325	4	1	0	1	2	1253.6	6.1	0.5	0.0	1259.7	6	
1E	32	-25945	4	1	0	1	2	1235.5	6.1	0.5	0.0	1241.6	6	
1I	32	-26406	3	-0	0	1	2	1257.4	6.1	0.3	0.0	1263.5	6	
1M	32	-25864	3	-0	0	1	2	1231.6	6.1	0.3	0.0	1237.8	6	
2	32	-35960	-7	-4	0	1	2	1712.4	6.3	1.0	0.0	1718.7	6	
3	32	-19845	-5	-2	0	0	1	945.0	3.7	0.6	0.0	948.7	6	
4	32	-19710	-5	-2	0	0	1	938.6	3.6	0.6	0.0	942.1	6	
5	32	-16495	-5	-2	0	0	1	785.5	3.4	0.6	0.0	788.9	6	
6	32	-42645	3	-3	0	1	3	2030.7	8.8	0.4	0.0	2039.5	6	
7	32	-22675	2	-2	0	0	2	1079.8	5.1	0.2	0.0	1084.9	6	
8	32	-23705	2	-2	0	0	2	1128.8	5.1	0.2	0.0	1133.9	6	
9	32	-19715	2	-1	0	0	1	938.8	4.9	0.2	0.0	943.7	6	
10	32	-38940	-7	-4	0	1	2	1854.3	7.0	1.0	0.0	1861.3	6	
11	32	-21545	-5	-2	0	0	1	1026.0	4.1	0.6	0.0	1030.0	6	
12	32	-21425	-5	-2	0	0	1	1020.2	4.0	0.6	0.0	1024.2	6	
13	32	-18195	-5	-2	0	0	1	866.4	3.8	0.6	0.0	870.2	6	
14	32	-41330	3	-3	0	1	3	1968.1	8.9	0.4	0.0	1977.0	6	
15	32	-21710	2	-1	0	0	2	1033.8	5.1	0.2	0.0	1038.9	6	
16	32	-22630	2	-1	0	0	2	1077.6	5.1	0.2	0.0	1082.8	6	
17	32	-18635	2	-1	0	0	1	887.4	4.8	0.2	0.0	892.2	6	
1A	64	-26320	1	1	0	0	2	1253.3	8.0	0.1	0.0	1261.3	6	
1E	64	-25940	1	1	0	0	2	1235.2	8.0	0.1	0.0	1243.2	6	
1I	64	-26401	-0	-0	0	1	2	1257.2	7.5	0.1	0.0	1264.6	6	
1M	64	-25859	-0	-0	0	1	2	1231.4	7.5	0.1	0.0	1238.9	6	
2	64	-35950	-6	-3	0	2	-0	1711.9	5.7	0.8	0.0	1717.6	1	
3	64	-19840	-4	-2	0	1	-0	944.8	3.4	0.5	0.0	948.1	1	
4	64	-19700	-4	-1	0	1	-0	938.1	3.3	0.5	0.0	941.4	1	
5	64	-16490	-4	-1	0	1	-0	785.2	3.0	0.5	0.0	788.3	1	
6	64	-42640	0	-3	0	2	3	2030.5	11.1	0.3	0.0	2041.6	6	
7	64	-22670	0	-1	0	1	2	1079.5	6.5	0.2	0.0	1086.0	6	
8	64	-23700	0	-1	0	1	2	1128.6	6.5	0.2	0.0	1135.1	6	
9	64	-19710	0	-1	0	1	2	938.6	6.2	0.2	0.0	944.8	6	
10	64	-38930	-6	-3	0	2	-0	1853.8	5.9	0.8	0.0	1859.7	1	
11	64	-21540	-4	-2	0	1	-0	1025.7	3.5	0.5	0.0	1029.2	1	
12	64	-21420	-4	-2	0	1	-0	1020.0	3.4	0.5	0.0	1023.4	1	
13	64	-18190	-4	-2	0	1	-0	866.2	3.2	0.5	0.0	869.4	1	
14	64	-41320	0	-2	0	2	3	1967.6	11.4	0.3	0.0	1979.0	6	
15	64	-21710	0	-1	0	1	2	1033.8	6.4	0.2	0.0	1040.2	6	
16	64	-22630	0	-1	0	1	2	1077.6	6.4	0.2	0.0	1084.0	6	
17	64	-18630	0	-1	0	1	2	887.1	6.1	0.2	0.0	893.2	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26330	1	2	27	18	18	1.08	1.00	1361.1	
1E	-25950	1	2	27	18	18	1.08	1.00	1341.5	
1I	-26411	1	2	27	18	18	1.08	1.00	1364.9	
1M	-25869	1	2	27	18	18	1.08	1.00	1337.0	
2	-35970	1	2	27	18	18	1.08	1.00	1860.2	
3	-19850	0	1	27	18	18	1.08	1.00	1026.9	
4	-19720	0	1	27	18	18	1.08	1.00	1020.0	
5	-16500	0	1	27	18	18	1.08	1.00	854.1	
6	-42650	1	2	27	18	18	1.08	1.00	2203.9	
7	-22680	1	1	27	18	18	1.08	1.00	1172.3	
8	-23710	1	1	27	18	18	1.08	1.00	1225.3	
9	-19720	0	1	27	18	18	1.08	1.00	1019.7	
10	-38950	1	3	27	18	18	1.08	1.00	2014.4	
11	-21550	0	2	27	18	18	1.08	1.00	1114.8	
12	-21430	0	2	27	18	18	1.08	1.00	1108.5	
13	-18200	0	2	27	18	18	1.08	1.00	942.0	
14	-41340	1	2	27	18	18	1.08	1.00	2136.5	
15	-21710	0	1	27	18	18	1.08	1.00	1122.3	
16	-22630	0	1	27	18	18	1.08	1.00	1169.7	
17	-18640	0	1	27	18	18	1.08	1.00	964.0	

ASTA NUM. 107 NI 80 NF 123 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1064 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26324	9	5	0	1	-0	1253.5	2.2	1.3	0.0	1255.7	1	
1E	0	-25996	9	5	0	1	-0	1237.9	2.2	1.3	0.0	1240.1	1	
1I	0	-26408	9	5	0	0	0	1257.5	1.8	1.1	0.0	1259.3	1	
1M	0	-25912	9	5	0	0	0	1233.9	1.8	1.1	0.0	1235.7	1	
2	0	-35890	-3	3	0	-0	3	1709.0	10.8	0.4	0.0	1719.8	6	
3	0	-19840	-2	2	0	-0	2	944.8	6.5	0.2	0.0	951.2	6	
4	0	-19620	-2	1	0	-0	2	934.3	6.5	0.3	0.0	940.8	6	
5	0	-16660	-2	1	0	-0	2	793.3	6.4	0.3	0.0	799.7	6	
6	0	-42650	10	6	0	0	1	2031.0	3.1	1.4	0.0	2034.1	6	
7	0	-22750	7	3	0	0	0	1083.3	1.5	0.9	0.0	1084.8	6	
8	0	-23660	6	3	0	0	0	1126.7	1.6	0.9	0.0	1128.3	6	
9	0	-19990	6	3	0	0	0	951.9	1.4	0.8	0.0	953.3	6	
10	0	-38840	-2	3	0	-0	4	1849.5	11.1	0.4	0.0	1860.6	6	
11	0	-21530	-1	2	0	-0	2	1025.2	6.7	0.2	0.0	1031.9	6	
12	0	-21310	-2	2	0	-0	2	1014.8	6.7	0.2	0.0	1021.4	6	
13	0	-18340	-2	2	0	-0	2	873.3	6.6	0.2	0.0	879.9	6	
14	0	-41340	11	6	0	0	1	1968.6	2.7	1.5	0.0	1971.2	6	
15	0	-21780	7	3	0	0	0	1037.1	1.4	1.0	0.0	1038.5	6	
16	0	-22580	7	3	0	0	0	1075.2	1.6	0.9	0.0	1076.8	6	
17	0	-18900	6	3	0	0	0	900.0	1.2	0.9	0.0	901.2	6	
1A	30	-26319	7	5	0	-1	2	1253.3	8.5	0.9	0.0	1261.8	6	
1E	30	-25991	7	5	0	-1	2	1237.7	8.5	0.9	0.0	1246.2	6	
1I	30	-26403	6	5	0	-1	2	1257.3	8.6	0.8	0.0	1265.8	6	
1M	30	-25907	6	5	0	-1	2	1233.7	8.6	0.8	0.0	1242.2	6	
2	30	-35880	-2	4	0	-1	3	1708.6	9.8	0.5	0.0	1718.3	6	
3	30	-19835	-1	2	0	-1	2	944.5	6.1	0.3	0.0	950.7	6	
4	30	-19615	-1	2	0	-1	2	934.0	5.7	0.3	0.0	939.7	6	
5	30	-16655	-1	2	0	-1	2	793.1	5.4	0.3	0.0	798.5	6	
6	30	-42645	8	6	0	-1	4	2030.7	13.0	1.1	0.0	2043.7	6	
7	30	-22745	6	4	0	-1	2	1083.1	8.2	0.7	0.0	1091.3	6	
8	30	-23655	5	3	0	-1	2	1126.4	7.7	0.7	0.0	1134.2	6	
9	30	-19985	5	3	0	-1	2	951.7	7.5	0.6	0.0	959.1	6	
10	30	-38830	-1	4	0	-1	3	1849.0	10.9	0.5	0.0	1859.9	6	
11	30	-21525	-0	2	0	-1	2	1025.0	6.7	0.3	0.0	1031.7	6	
12	30	-21305	-1	2	0	-1	2	1014.5	6.3	0.3	0.0	1020.8	6	
13	30	-18335	-1	2	0	-1	2	873.1	6.0	0.3	0.0	879.1	6	
14	30	-41335	9	6	0	-1	4	1968.3	13.3	1.2	0.0	1981.7	6	
15	30	-21775	6	3	0	-1	2	1036.9	8.2	0.8	0.0	1045.1	6	
16	30	-22580	5	3	0	-1	2	1075.2	7.8	0.7	0.0	1083.0	6	
17	30	-18895	5	3	0	-1	2	899.8	7.5	0.7	0.0	907.3	6	
1A	61	-26314	4	5	0	-3	4	1253.0	15.6	0.7	0.0	1268.7	6	
1E	61	-25986	4	5	0	-3	4	1237.4	15.6	0.7	0.0	1253.0	6	
1I	61	-26398	4	5	0	-2	4	1257.0	14.6	0.6	0.0	1271.6	6	
1M	61	-25902	4	5	0	-2	4	1233.4	14.6	0.6	0.0	1248.0	6	

2	61	-35870	-0	4	0	-2	2	1708.1	10.3	0.6	0.0	1718.4	6
3	61	-19830	0	3	0	-1	2	944.3	6.8	0.4	0.0	951.0	6
4	61	-19610	-0	3	0	-1	1	933.8	5.8	0.3	0.0	939.6	6
5	61	-16650	-0	2	0	-1	1	792.9	5.6	0.3	0.0	798.5	1
6	61	-42640	6	6	0	-3	6	2030.5	21.5	0.8	0.0	2052.0	6
7	61	-22740	4	4	0	-2	4	1082.9	13.9	0.5	0.0	1096.7	6
8	61	-23650	4	4	0	-2	4	1126.2	12.9	0.5	0.0	1139.1	6
9	61	-19980	3	3	0	-2	3	951.4	12.5	0.5	0.0	963.9	6
10	61	-38820	0	5	0	-3	3	1848.6	12.2	0.6	0.0	1860.7	6
11	61	-21520	1	3	0	-2	2	1024.8	7.7	0.4	0.0	1032.5	6
12	61	-21300	0	3	0	-1	2	1014.3	6.8	0.4	0.0	1021.1	6
13	61	-18330	0	3	0	-1	2	872.9	6.5	0.4	0.0	879.3	6
14	61	-41330	6	6	0	-3	6	1968.1	22.4	0.8	0.0	1990.5	6
15	61	-21770	4	4	0	-2	4	1036.7	14.1	0.6	0.0	1050.7	6
16	61	-22580	4	3	0	-2	4	1075.2	13.1	0.5	0.0	1088.3	6
17	61	-18890	4	3	0	-2	3	899.5	12.6	0.5	0.0	912.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26324	1	2	26	17	17	1.08	1.00	1365.4	
1E	-25996	1	2	26	17	17	1.08	1.00	1348.6	
1I	-26408	1	2	26	17	17	1.08	1.00	1369.4	
1M	-25912	1	2	26	17	17	1.08	1.00	1343.9	
2	-35890	1	3	26	17	17	1.08	1.00	1860.0	
3	-19840	1	2	26	17	17	1.08	1.00	1029.2	
4	-19620	1	2	26	17	17	1.08	1.00	1017.2	
5	-16660	1	2	26	17	17	1.08	1.00	864.9	
6	-42650	2	4	26	17	17	1.08	1.00	2211.3	
7	-22750	1	2	26	17	17	1.08	1.00	1181.2	
8	-23660	1	2	26	17	17	1.08	1.00	1227.3	
9	-19990	1	2	26	17	17	1.08	1.00	1038.3	
10	-38840	2	3	26	17	17	1.08	1.00	2013.0	
11	-21530	1	2	26	17	17	1.08	1.00	1116.7	
12	-21310	1	2	26	17	17	1.08	1.00	1104.9	
13	-18340	1	2	26	17	17	1.08	1.00	952.0	
14	-41340	2	4	26	17	17	1.08	1.00	2144.3	
15	-21780	1	2	26	17	17	1.08	1.00	1131.3	
16	-22580	1	2	26	17	17	1.08	1.00	1171.7	
17	-18900	1	2	26	17	17	1.08	1.00	982.3	

ASTA NUM. 108 NI 84 NF 125 Lungh. 60.7 cm SEZ. 10 Ps L 120X 9

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-10.6969	-2.6742	--	--	8.2647	-5.1065 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-26191	2	-0	0	-0	5	1247.2	15.0	0.2	0.0	1262.2	6	
1E	0	-25949	2	-0	0	-0	5	1235.7	15.0	0.2	0.0	1250.6	6	
1I	0	-26281	1	-1	0	-1	5	1251.5	15.9	0.1	0.0	1267.4	6	
1M	0	-25859	1	-1	0	-1	5	1231.4	15.9	0.1	0.0	1247.3	6	
2	0	-35620	-15	-5	0	-2	10	1696.2	32.9	2.0	0.0	1729.1	6	
3	0	-19720	-11	-3	0	-1	7	939.0	21.6	1.5	0.0	960.6	6	
4	0	-19390	-10	-3	0	-1	6	923.3	19.7	1.3	0.0	943.1	6	
5	0	-16750	-9	-3	0	-1	6	797.6	19.0	1.2	0.0	816.6	6	
6	0	-42470	-2	-3	0	-1	9	2022.4	28.1	0.4	0.0	2050.4	6	
7	0	-22700	-4	-2	0	-1	6	1081.0	19.0	0.5	0.0	1099.9	6	
8	0	-23490	-2	-2	0	-1	5	1118.6	16.9	0.3	0.0	1135.5	6	
9	0	-20210	-1	-2	0	-1	5	962.4	16.0	0.2	0.0	978.4	6	
10	0	-38520	-16	-5	0	-2	11	1834.3	36.1	2.1	0.0	1870.4	6	
11	0	-21380	-11	-3	0	-1	7	1018.1	23.2	1.5	0.0	1041.3	6	
12	0	-21060	-10	-3	0	-1	7	1002.9	21.5	1.4	0.0	1024.4	6	
13	0	-18390	-10	-3	0	-1	6	875.7	20.8	1.3	0.0	896.6	6	
14	0	-41150	-3	-3	0	-1	9	1959.5	29.0	0.4	0.0	1988.5	6	
15	0	-21740	-4	-2	0	-1	6	1035.2	19.5	0.6	0.0	1054.8	6	
16	0	-22410	-2	-2	0	-1	5	1067.1	17.5	0.3	0.0	1084.6	6	
17	0	-19080	-2	-2	0	-1	5	908.6	16.6	0.3	0.0	925.2	6	
1A	30	-26186	-1	-0	0	-0	5	1247.0	15.3	0.1	0.0	1262.2	6	
1E	30	-25944	-1	-0	0	-0	5	1235.4	15.3	0.1	0.0	1250.7	6	
1I	30	-26276	-2	-1	0	-0	5	1251.2	15.3	0.2	0.0	1266.6	6	
1M	30	-25854	-2	-1	0	-0	5	1231.1	15.3	0.2	0.0	1246.5	6	
2	30	-35610	-14	-4	0	-0	6	1695.7	18.1	1.8	0.0	1713.8	6	
3	30	-19710	-10	-3	0	-0	3	938.6	10.8	1.4	0.0	949.3	6	
4	30	-19385	-9	-2	0	-0	3	923.1	10.1	1.2	0.0	933.2	6	
5	30	-16745	-8	-2	0	-0	3	797.4	10.1	1.1	0.0	807.5	6	
6	30	-42465	-5	-3	0	-1	8	2022.1	23.8	0.6	0.0	2046.0	6	
7	30	-22700	-5	-2	0	-0	4	1081.0	14.1	0.7	0.0	1095.1	6	
8	30	-23485	-4	-2	0	-0	4	1118.3	13.7	0.5	0.0	1132.0	6	
9	30	-20205	-3	-2	0	-0	4	962.1	13.7	0.3	0.0	975.9	6	
10	30	-38515	-15	-4	0	-0	6	1834.0	20.2	2.0	0.0	1854.3	6	
11	30	-21375	-11	-3	0	-0	4	1017.9	11.9	1.4	0.0	1029.8	6	
12	30	-21055	-9	-3	0	-0	4	1002.6	11.4	1.3	0.0	1014.1	6	
13	30	-18380	-9	-2	0	-0	4	875.2	11.2	1.2	0.0	886.5	6	
14	30	-41145	-5	-3	0	-1	8	1959.3	24.3	0.7	0.0	1983.6	6	
15	30	-21735	-6	-2	0	-0	5	1035.0	14.2	0.7	0.0	1049.2	6	
16	30	-22405	-4	-2	0	-0	4	1066.9	13.9	0.5	0.0	1080.8	6	
17	30	-19080	-3	-2	0	-0	4	908.6	13.6	0.4	0.0	922.2	6	
1A	61	-26181	-3	-0	0	-0	4	1246.7	13.2	0.4	0.0	1259.9	6	
1E	61	-25939	-3	-0	0	-0	4	1235.2	13.2	0.4	0.0	1248.4	6	
1I	61	-26271	-4	-1	0	-0	4	1251.0	12.4	0.5	0.0	1263.4	6	
1M	61	-25849	-4	-1	0	-0	4	1230.9	12.4	0.5	0.0	1243.3	6	
2	61	-35600	-12	-3	0	1	2	1695.2	6.4	1.6	0.0	1701.6	6	
3	61	-19700	-9	-2	0	0	0	938.1	2.1	1.2	0.0	940.2	1	
4	61	-19380	-8	-2	0	0	1	922.9	2.5	1.1	0.0	925.3	6	
5	61	-16740	-7	-2	0	0	1	797.1	3.0	1.0	0.0	800.1	6	
6	61	-42460	-7	-3	0	0	6	2021.9	18.4	0.9	0.0	2040.3	6	
7	61	-22700	-7	-2	0	0	3	1081.0	8.7	0.9	0.0	1089.6	6	
8	61	-23480	-5	-2	0	0	3	1118.1	9.7	0.7	0.0	1127.8	6	
9	61	-20200	-4	-2	0	0	3	961.9	10.4	0.5	0.0	972.3	6	
10	61	-38510	-13	-3	0	1	2	1833.8	7.6	1.8	0.0	1841.4	6	
11	61	-21370	-10	-2	0	1	1	1017.6	2.8	1.3	0.0	1020.4	6	
12	61	-21050	-9	-2	0	0	1	1002.4	3.3	1.1	0.0	1005.7	6	
13	61	-18370	-8	-2	0	0	1	874.8	3.5	1.1	0.0	878.3	6	
14	61	-41140	-8	-3	0	0	6	1959.0	18.2	1.0	0.0	1977.3	6	
15	61	-21730	-7	-2	0	0	3	1034.8	8.3	0.9	0.0	1043.1	6	
16	61	-22400	-5	-2	0	0	3	1066.7	9.6	0.7	0.0	1076.2	6	
17	61	-19080	-5	-2	0	0	3	908.6	9.7	0.6	0.0	918.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-26191	0	5	26	17	17	1.08	1.00	1361.9	
1E	-25949	0	5	26	17	17	1.08	1.00	1349.5	
1I	-26281	0	5	26	17	17	1.08	1.00	1367.0	
1M	-25859	0	5	26	17	17	1.08	1.00	1345.3	
2	-35620	1	7	26	17	17	1.08	1.00	1855.5	
3	-19720	0	4	26	17	17	1.08	1.00	1028.6	
4	-19390	0	4	26	17	17	1.08	1.00	1010.6	
5	-16750	0	4	26	17	17	1.08	1.00	874.7	
6	-42470	1	8	26	17	17	1.08	1.00	2210.1	
7	-22700	0	5	26	17	17	1.08	1.00	1183.2	
8	-23490	0	4	26	17	17	1.08	1.00	1222.9	
9	-20210	0	4	26	17	17	1.08	1.00	1054.1	
10	-38520	1	8	26	17	17	1.08	1.00	2007.2	
11	-21380	1	5	26	17	17	1.08	1.00	1115.3	
12	-21060	0	4	26	17	17	1.08	1.00	1098.0	
13	-18390	0	4	26	17	17	1.08	1.00	960.4	
14	-41150	1	8	26	17	17	1.08	1.00	2142.8	
15	-21740	0	5	26	17	17	1.08	1.00	1134.0	
16	-22410	0	4	26	17	17	1.08	1.00	1167.7	
17	-19080	0	4	26	17	17	1.08	1.00	996.1	

ASTA NUM. 109 NI 52 NF 130 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4758 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-9546	-1	3	0	-0	-2	348.5	3.8	0.3	0.0	352.3	6	
1E	0	-9246	-1	3	0	-0	-2	337.6	3.8	0.3	0.0	341.4	6	
1I	0	-9510	-2	3	0	-0	-2	347.2	3.6	0.3	0.0	350.8	6	
1M	0	-9282	-2	3	0	-0	-2	338.9	3.6	0.3	0.0	342.4	6	
2	0	-11480	-14	2	0	-1	-1	419.1	3.6	1.4	0.0	422.8	6	
3	0	-1985	-2	-1	0	-1	-5	72.5	10.5	0.2	0.0	83.0	6	
4	0	-4632	-6	0	0	-1	-2	169.1	5.6	0.6	0.0	174.7	6	
5	0	-1350	-7	-1	0	-1	-1	49.3	3.6	0.7	0.0	52.9	1	
6	0	-15070	-6	4	0	-0	-2	550.2	4.8	0.6	0.0	555.0	6	
7	0	-1529	6	-1	0	-1	-7	55.8	15.0	0.6	0.0	70.8	6	
8	0	-6328	0	2	0	-0	-3	231.0	7.6	0.2	0.0	238.7	6	
9	0	-2171	-2	-1	0	-1	-2	79.3	4.3	0.2	0.0	83.6	6	
10	0	-10020	-14	1	0	-1	-2	365.8	5.2	1.3	0.0	371.1	6	
11	0	-1374	-2	-1	0	-1	-5	50.2	10.9	0.2	0.0	61.1	6	

12	0	-3612	-6	-0	0	-1	-3	131.9	6.0	0.6	0.0	137.9	6
13	0	-459	-6	-2	0	-1	-2	16.8	4.6	0.6	0.0	21.3	6
14	0	-10090	-2	3	0	-1	-4	368.4	9.0	0.3	0.0	377.4	6
15	0	1314	8	-2	0	-2	-8	48.0	17.1	0.7	0.0	65.0	6
16	0	-3041	2	0	0	-1	-4	111.0	9.1	0.2	0.0	120.1	6
17	0	859	1	-1	0	-1	-3	31.4	7.5	0.1	0.0	38.9	6
1A	19	-9542	-2	3	0	-1	-2	348.4	5.0	0.3	0.0	353.4	6
1E	19	-9242	-2	3	0	-1	-2	337.4	5.0	0.3	0.0	342.4	6
1I	19	-9506	-3	3	0	-1	-2	347.1	5.2	0.3	0.0	352.3	6
1M	19	-9278	-3	3	0	-1	-2	338.7	5.2	0.3	0.0	343.9	6
2	19	-11475	-12	2	0	-1	-4	418.9	9.3	1.1	0.0	428.2	6
3	19	-1981	-1	-1	0	-1	-5	72.3	10.9	0.1	0.0	83.3	6
4	19	-4628	-4	0	0	-1	-3	169.0	7.7	0.4	0.0	176.6	6
5	19	-1346	-6	-1	0	-1	-2	49.1	5.6	0.6	0.0	54.7	6
6	19	-15065	-7	4	0	-1	-3	550.0	8.2	0.7	0.0	558.2	6
7	19	-1525	5	-1	0	-1	-6	55.7	12.6	0.5	0.0	68.2	6
8	19	-6325	-0	2	0	-1	-3	230.9	7.8	0.2	0.0	238.8	6
9	19	-2167	-2	-0	0	-1	-2	79.1	5.0	0.2	0.0	84.1	6
10	19	-10010	-11	2	0	-1	-5	365.5	10.5	1.1	0.0	376.0	6
11	19	-1370	-1	-1	0	-1	-5	50.0	11.3	0.1	0.0	61.3	6
12	19	-3608	-4	0	0	-1	-4	131.7	8.0	0.4	0.0	139.8	6
13	19	-455	-5	-1	0	-1	-3	16.6	6.6	0.5	0.0	23.2	6
14	19	-10085	-3	3	0	-1	-5	368.2	10.6	0.3	0.0	378.8	6
15	19	1318	7	-2	0	-1	-6	48.1	13.7	0.7	0.0	61.8	6
16	19	-3037	1	0	0	-1	-4	110.9	8.6	0.1	0.0	119.4	6
17	19	863	1	-1	0	-1	-3	31.5	7.0	0.1	0.0	38.5	6
1A	39	-9538	-4	3	0	-1	-3	348.2	6.6	0.3	0.0	354.9	6
1E	39	-9238	-4	3	0	-1	-3	337.3	6.6	0.3	0.0	343.9	6
1I	39	-9502	-4	3	0	-1	-3	346.9	7.3	0.4	0.0	354.2	6
1M	39	-9274	-4	3	0	-1	-3	338.6	7.3	0.4	0.0	345.9	6
2	39	-11470	-9	3	0	-2	-6	418.8	13.9	0.9	0.0	432.7	6
3	39	-1977	1	-1	0	-1	-5	72.2	10.7	0.1	0.0	82.9	6
4	39	-4624	-3	1	0	-1	-4	168.8	9.1	0.2	0.0	178.0	6
5	39	-1341	-4	-1	0	-1	-3	49.0	7.4	0.4	0.0	56.3	6
6	39	-15060	-7	5	0	-2	-5	549.8	11.7	0.7	0.0	561.6	6
7	39	-1521	5	-1	0	-1	-4	55.5	10.2	0.5	0.0	65.8	6
8	39	-6321	-0	2	0	-1	-3	230.8	8.2	0.2	0.0	239.0	6
9	39	-2163	-2	-0	0	-1	-2	79.0	5.9	0.2	0.0	84.8	6
10	39	-10000	-8	3	0	-2	-6	365.1	14.8	0.8	0.0	379.9	6
11	39	-1365	1	-1	0	-1	-5	49.8	11.1	0.1	0.0	60.9	6
12	39	-3604	-2	0	0	-1	-4	131.6	9.4	0.2	0.0	141.0	6
13	39	-451	-3	-1	0	-1	-4	16.5	8.1	0.3	0.0	24.5	6
14	39	-10080	-4	3	0	-2	-5	368.0	12.4	0.4	0.0	380.5	6
15	39	1321	7	-2	0	-1	-5	48.2	10.5	0.7	0.0	58.7	6
16	39	-3033	1	1	0	-1	-3	110.7	8.1	0.1	0.0	118.9	6
17	39	867	0	-1	0	-1	-3	31.6	6.6	0.1	0.0	38.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-9546	1	2	10	10	10	1.00	1.00	355.3	
1E	-9246	1	2	10	10	10	1.00	1.00	344.3	
1I	-9510	1	2	10	10	10	1.00	1.00	354.2	
1M	-9282	1	2	10	10	10	1.00	1.00	345.9	
2	-11480	1	4	10	10	10	1.00	1.00	430.5	
3	-1985	1	5	10	10	10	1.00	1.00	84.4	
4	-4632	1	3	10	10	10	1.00	1.00	177.7	
5	-1350	1	2	10	10	10	1.00	1.00	56.5	
6	-15070	2	4	10	10	10	1.00	1.00	561.1	
7	-1529	1	6	10	10	10	1.00	1.00	70.5	
8	-6328	1	3	10	10	10	1.00	1.00	240.1	
9	-2171	1	2	10	10	10	1.00	1.00	86.3	
10	-10020	1	5	10	10	10	1.00	1.00	378.5	
11	-1374	1	5	10	10	10	1.00	1.00	62.5	
12	-3612	1	4	10	10	10	1.00	1.00	140.9	
13	-459	1	3	10	10	10	1.00	1.00	25.0	
14	-10090	1	5	10	10	10	1.00	1.00	381.3	
15	1321	1	6	10	10	10	1.00	1.00	64.2	
16	-3041	1	4	10	10	10	1.00	1.00	121.0	
17	867	1	3	10	10	10	1.00	1.00	40.5	

ASTA NUM. 110 NI 150 NF 131 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4758 daN/m

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

1A	0	-10286	8	-2	0	1	-4	375.5	9.5	0.8	0.0	385.1	6
1E	0	-10074	8	-2	0	1	-4	367.8	9.5	0.8	0.0	377.3	6
1I	0	-10280	7	-3	0	0	-4	375.3	9.3	0.7	0.0	384.6	6
1M	0	-10080	7	-3	0	0	-4	368.0	9.3	0.7	0.0	377.3	6
2	0	-12760	-4	-6	0	0	-4	465.9	7.9	0.6	0.0	473.8	6
3	0	-3704	-5	-3	0	-0	-1	135.2	2.2	0.5	0.0	137.4	6
4	0	-5965	-4	-3	0	0	-1	217.8	3.2	0.4	0.0	220.9	6
5	0	-3683	-4	-3	0	0	-1	134.5	2.7	0.4	0.0	137.2	6
6	0	-16230	9	-6	0	1	-7	592.6	14.3	0.9	0.0	606.8	6
7	0	-3687	3	-3	0	-0	-2	134.6	4.7	0.3	0.0	139.3	6
8	0	-7744	4	-3	0	0	-3	282.7	6.8	0.4	0.0	289.5	6
9	0	-4839	4	-3	0	0	-3	176.7	6.2	0.4	0.0	182.9	6
10	0	-11080	-4	-6	0	0	-4	404.5	8.3	0.6	0.0	412.8	6
11	0	-2960	-4	-3	0	-0	-1	108.1	2.5	0.4	0.0	110.5	6
12	0	-4860	-3	-3	0	0	-2	177.4	3.5	0.3	0.0	180.9	6
13	0	-2614	-3	-4	0	0	-1	95.4	2.8	0.4	0.0	98.2	6
14	0	-11210	9	-5	0	1	-6	409.3	12.7	0.9	0.0	422.0	6
15	0	-822	3	-3	0	-0	-2	30.0	3.7	0.3	0.0	33.7	6
16	0	-4511	4	-3	0	0	-3	164.7	5.9	0.4	0.0	170.6	6
17	0	-1711	4	-3	0	0	-2	62.5	4.9	0.4	0.0	67.4	6
1A	19	-10281	7	-2	0	1	-3	375.3	6.9	0.7	0.0	382.2	6
1E	19	-10069	7	-2	0	1	-3	367.6	6.9	0.7	0.0	374.5	6
1I	19	-10275	6	-3	0	1	-3	375.1	6.9	0.6	0.0	382.0	6
1M	19	-10075	6	-3	0	1	-3	367.8	6.9	0.6	0.0	374.7	6
2	19	-12755	-2	-5	0	1	-4	465.7	10.0	0.5	0.0	475.7	6
3	19	-3700	-3	-3	0	1	-2	135.1	4.1	0.3	0.0	139.2	6
4	19	-5961	-2	-3	0	1	-2	217.6	4.8	0.3	0.0	222.5	6
5	19	-3679	-2	-3	0	1	-2	134.3	4.3	0.3	0.0	138.7	6
6	19	-16225	8	-6	0	2	-5	592.4	11.7	0.8	0.0	604.1	6
7	19	-3684	2	-3	0	1	-2	134.5	4.2	0.3	0.0	138.6	6
8	19	-7741	4	-3	0	1	-2	282.6	5.6	0.4	0.0	288.2	6
9	19	-4836	4	-3	0	1	-2	176.5	5.0	0.4	0.0	181.6	6
10	19	-11070	-1	-6	0	2	-4	404.2	10.1	0.5	0.0	414.3	6
11	19	-2956	-2	-3	0	1	-2	107.9	4.3	0.3	0.0	112.2	6
12	19	-4856	-1	-3	0	1	-2	177.3	5.0	0.3	0.0	182.3	6
13	19	-2610	-2	-3	0	1	-2	95.3	4.3	0.3	0.0	99.6	6
14	19	-11205	9	-5	0	2	-4	409.1	9.9	0.8	0.0	419.0	6
15	19	-818	2	-3	0	1	-1	29.9	3.1	0.3	0.0	33.0	6
16	19	-4507	4	-3	0	1	-2	164.5	4.7	0.4	0.0	169.2	6
17	19	-1708	4	-3	0	1	-1	62.3	3.8	0.4	0.0	66.1	6
1A	39	-10276	6	-2	0	1	-2	375.2	4.7	0.6	0.0	379.8	6
1E	39	-10064	6	-2	0	1	-2	367.4	4.7	0.6	0.0	372.1	6
1I	39	-10270	5	-3	0	2	-2	375.0	5.0	0.5	0.0	379.9	6
1M	39	-10070	5	-3	0	2	-2	367.7	5.0	0.5	0.0	372.6	6
2	39	-12750	1	-5	0	2	-4	465.5	10.9	0.5	0.0	476.4	6
3	39	-3696	-1	-3	0	1	-2	134.9	5.4	0.3	0.0	140.4	6
4	39	-5956	-0	-3	0	1	-2	217.5	5.8	0.3	0.0	223.2	6
5	39	-3675	-0	-3	0	1	-2	134.2	5.2	0.3	0.0	139.4	6
6	39	-16220	8	-5	0	3	-3	592.2	9.3	0.8	0.0	601.5	6
7	39	-3680	2	-3	0	1	-1	134.4	3.8	0.3	0.0	138.1	6
8	39	-7737	4	-3	0	1	-2	282.5	4.6	0.4	0.0	287.1	6
9	39	-4832	4	-3	0	1	-1	176.4	4.2	0.4	0.0	180.6	1
10	39	-11060	2	-5	0	3	-4	403.8	10.8	0.5	0.0	414.6	6
11	39	-2952	-1	-3	0	1	-2	107.8	5.4	0.3	0.0	113.1	6
12	39	-4852	0	-3	0	1	-2	177.1	5.7	0.3	0.0	182.9	6
13	39	-2606	0	-3	0	1	-2	95.1	5.1	0.3	0.0	100.2	6
14	39	-11200	8	-5	0	3	-2	408.9	7.6	0.8	0.0	416.5	1
15	39	-814	2	-3	0	1	-1	29.7	2.9	0.3	0.0	32.7	1
16	39	-4503	4	-3	0	1	-1	164.4	3.8	0.4	0.0	168.2	1
17	39	-1704	4	-3	0	1	-1	62.2	3.5	0.4	0.0	65.7	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-10286	1	3	10	10	10	1.00	1.00	384.7	
1E	-10074	1	3	10	10	10	1.00	1.00	377.0	
1I	-10280	1	3	10	10	10	1.00	1.00	384.5	
1M	-10080	1	3	10	10	10	1.00	1.00	377.2	
2	-12760	2	4	10	10	10	1.00	1.00	477.5	
3	-3704	1	2	10	10	10	1.00	1.00	140.1	
4	-5965	1	2	10	10	10	1.00	1.00	223.5	
5	-3683	1	2	10	10	10	1.00	1.00	139.7	
6	-16230	2	5	10	10	10	1.00	1.00	607.6	
7	-3687	1	2	10	10	10	1.00	1.00	140.0	
8	-7744	1	3	10	10	10	1.00	1.00	290.1	
9	-4839	1	2	10	10	10	1.00	1.00	183.4	
10	-11080	2	4	10	10	10	1.00	1.00	416.5	
11	-2960	1	2	10	10	10	1.00	1.00	113.1	

12	-4860	1	2	10	10	10	1.00	1.00	183.4	
13	-2614	1	2	10	10	10	1.00	1.00	100.7	
14	-11210	2	4	10	10	10	1.00	1.00	422.5	
15	-822	1	1	10	10	10	1.00	1.00	34.3	
16	-4511	1	2	10	10	10	1.00	1.00	171.0	
17	-1711	1	2	10	10	10	1.00	1.00	67.9	

ASTA NUM. 111 NI 131 NF 128 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4758 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-10402	3	6	0	2	-2	379.8	4.9	0.6	0.0	384.7	1	
1E	0	-10278	3	6	0	2	-2	375.3	4.9	0.6	0.0	380.2	1	
1I	0	-10423	2	7	0	2	-1	380.5	4.7	0.6	0.0	385.2	1	
1M	0	-10257	2	7	0	2	-1	374.5	4.7	0.6	0.0	379.2	1	
2	0	-13210	17	12	0	2	-4	482.3	11.0	1.6	0.0	493.3	6	
3	0	-4919	9	6	0	1	-2	179.6	5.5	0.9	0.0	185.1	6	
4	0	-6884	10	6	0	1	-2	251.3	5.8	0.9	0.0	257.2	6	
5	0	-5707	10	6	0	1	-2	208.4	5.3	1.0	0.0	213.7	6	
6	0	-16410	8	11	0	3	-3	599.1	9.5	1.1	0.0	608.6	6	
7	0	-5250	3	4	0	1	-1	191.7	3.9	0.4	0.0	195.6	6	
8	0	-8659	4	5	0	1	-2	316.1	4.7	0.5	0.0	320.8	6	
9	0	-7144	4	5	0	1	-1	260.8	4.0	0.5	0.0	264.8	6	
10	0	-11390	17	13	0	3	-4	415.8	10.8	1.7	0.0	426.7	6	
11	0	-4071	9	6	0	1	-2	148.6	5.4	0.9	0.0	154.1	6	
12	0	-5748	10	7	0	1	-2	209.9	5.8	1.0	0.0	215.6	6	
13	0	-4481	10	7	0	1	-2	163.6	5.1	1.0	0.0	168.7	6	
14	0	-11610	8	11	0	3	-3	423.9	7.6	1.1	0.0	431.5	1	
15	0	-2506	3	4	0	1	-1	91.5	2.8	0.4	0.0	94.3	6	
16	0	-5652	4	5	0	1	-1	206.4	3.8	0.5	0.0	210.1	1	
17	0	-4038	4	5	0	1	-1	147.4	3.3	0.5	0.0	150.7	1	
1A	19	-10397	2	6	0	0	-1	379.6	2.8	0.6	0.0	382.3	6	
1E	19	-10273	2	6	0	0	-1	375.1	2.8	0.6	0.0	377.8	6	
1I	19	-10418	1	7	0	0	-1	380.4	2.8	0.6	0.0	383.2	6	
1M	19	-10252	1	7	0	0	-1	374.3	2.8	0.6	0.0	377.1	6	
2	19	-13205	19	13	0	-0	-1	482.1	1.8	1.9	0.0	483.9	6	
3	19	-4915	10	6	0	-0	-0	179.4	1.0	1.0	0.0	180.4	6	
4	19	-6880	11	7	0	-0	-0	251.2	0.7	1.1	0.0	251.9	6	
5	19	-5703	11	7	0	-0	-0	208.2	0.3	1.1	0.0	208.5	1	
6	19	-16405	8	11	0	1	-2	598.9	4.4	1.1	0.0	603.3	6	
7	19	-5247	2	5	0	0	-1	191.5	2.1	0.4	0.0	193.7	6	
8	19	-8656	4	6	0	0	-1	316.0	2.1	0.5	0.0	318.2	6	
9	19	-7141	4	6	0	0	-1	260.7	1.4	0.5	0.0	262.1	6	
10	19	-11385	20	14	0	-0	-1	415.7	1.2	2.0	0.0	416.8	6	
11	19	-4067	11	7	0	-0	-0	148.5	0.6	1.1	0.0	149.1	6	
12	19	-5744	12	7	0	-0	-0	209.7	0.3	1.2	0.0	210.0	6	
13	19	-4477	12	7	0	-0	0	163.4	0.4	1.1	0.0	163.9	6	
14	19	-11605	8	11	0	1	-1	423.7	2.4	1.1	0.0	426.1	6	
15	19	-2502	3	4	0	0	-0	91.4	1.0	0.4	0.0	92.4	6	
16	19	-5649	4	5	0	0	-0	206.2	1.1	0.5	0.0	207.3	6	
17	19	-4034	4	5	0	0	-0	147.3	0.5	0.5	0.0	147.8	1	
1A	39	-10392	1	6	0	-1	-1	379.4	2.5	0.6	0.0	381.9	6	
1E	39	-10268	1	6	0	-1	-1	374.9	2.5	0.6	0.0	377.4	6	
1I	39	-10413	-0	7	0	-1	-1	380.2	3.1	0.6	0.0	383.3	6	
1M	39	-10247	-0	7	0	-1	-1	374.1	3.1	0.6	0.0	377.3	6	
2	39	-13200	22	13	0	-3	3	481.9	8.8	2.2	0.0	490.8	6	
3	39	-4911	12	7	0	-1	2	179.3	5.0	1.2	0.0	184.3	6	
4	39	-6875	13	7	0	-1	2	251.0	5.5	1.3	0.0	256.5	6	
5	39	-5698	13	7	0	-1	2	208.0	6.2	1.3	0.0	214.2	6	
6	39	-16400	8	11	0	-2	-0	598.8	3.5	1.1	0.0	602.2	1	
7	39	-5243	2	5	0	-1	-1	191.4	2.0	0.5	0.0	193.4	1	
8	39	-8652	4	6	0	-1	-0	315.9	1.8	0.6	0.0	317.6	1	
9	39	-7137	4	6	0	-1	0	260.6	1.8	0.5	0.0	262.4	1	
10	39	-11380	23	14	0	-3	4	415.5	9.8	2.2	0.0	425.3	6	
11	39	-4063	13	7	0	-2	2	148.3	5.6	1.2	0.0	154.0	6	
12	39	-5739	13	8	0	-2	2	209.5	6.1	1.3	0.0	215.7	6	
13	39	-4472	13	8	0	-2	3	163.3	6.7	1.3	0.0	170.0	6	
14	39	-11600	7	11	0	-2	1	423.5	3.8	1.1	0.0	427.4	1	
15	39	-2499	2	4	0	-1	0	91.2	1.6	0.4	0.0	92.8	1	
16	39	-5645	4	6	0	-1	0	206.1	2.0	0.5	0.0	208.1	1	
17	39	-4031	4	5	0	-1	1	147.2	2.3	0.5	0.0	149.4	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	-10402	1	1	10	10	10	1.00	1.00	384.0	
1E	-10278	1	1	10	10	10	1.00	1.00	379.5	
1I	-10423	1	1	10	10	10	1.00	1.00	384.7	
1M	-10257	1	1	10	10	10	1.00	1.00	378.7	
2	-13210	1	2	10	10	10	1.00	1.00	488.1	
3	-4919	1	1	10	10	10	1.00	1.00	182.7	
4	-6884	1	1	10	10	10	1.00	1.00	254.5	
5	-5707	1	1	10	10	10	1.00	1.00	211.6	
6	-16410	1	2	10	10	10	1.00	1.00	606.1	
7	-5250	0	1	10	10	10	1.00	1.00	194.8	
8	-8659	1	1	10	10	10	1.00	1.00	319.6	
9	-7144	1	1	10	10	10	1.00	1.00	263.5	
10	-11390	1	2	10	10	10	1.00	1.00	421.6	
11	-4071	1	1	10	10	10	1.00	1.00	151.7	
12	-5748	1	1	10	10	10	1.00	1.00	213.1	
13	-4481	1	1	10	10	10	1.00	1.00	167.1	
14	-11610	1	1	10	10	10	1.00	1.00	428.8	
15	-2506	0	1	10	10	10	1.00	1.00	93.5	
16	-5652	1	1	10	10	10	1.00	1.00	208.7	
17	-4038	0	0	10	10	10	1.00	1.00	149.2	

ASTA NUM. 112 NI 51 NF 133 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4758 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13220	-5	-4	0	-0	0	482.7	0.8	0.5	0.0	483.4	1	
1E	0	-12920	-5	-4	0	-0	0	471.7	0.8	0.5	0.0	472.5	1	
1I	0	-13184	-6	-5	0	-0	0	481.3	0.8	0.6	0.0	482.2	1	
1M	0	-12956	-6	-5	0	-0	0	473.0	0.8	0.6	0.0	473.9	1	
2	0	-17950	-20	-5	0	-0	2	655.3	3.8	2.0	0.0	659.2	6	
3	0	-15810	-14	-5	0	-1	2	577.2	4.8	1.4	0.0	582.0	6	
4	0	-11830	-14	-4	0	-0	2	431.9	4.7	1.4	0.0	436.6	6	
5	0	-13910	-17	-4	0	-1	3	507.8	7.8	1.6	0.0	515.7	6	
6	0	-20380	-11	-7	0	-0	1	744.1	1.6	1.1	0.0	745.7	6	
7	0	-20060	-10	-8	0	-2	2	732.4	5.5	1.0	0.0	737.9	6	
8	0	-13680	-8	-5	0	-1	1	499.5	3.3	0.8	0.0	502.7	6	
9	0	-16080	-12	-6	0	-1	3	587.1	7.4	1.2	0.0	594.5	6	
10	0	-14930	-18	-4	0	0	0	545.1	0.7	1.8	0.0	545.8	6	
11	0	-14230	-14	-5	0	-1	1	519.5	3.3	1.3	0.0	522.8	6	
12	0	-10190	-14	-3	0	-0	2	372.0	4.0	1.3	0.0	376.0	6	
13	0	-12830	-15	-4	0	-1	3	468.4	5.9	1.5	0.0	474.3	6	
14	0	-15390	-8	-5	0	-0	-1	561.9	2.7	0.7	0.0	564.6	6	
15	0	-17210	-9	-7	0	-2	1	628.3	4.2	0.8	0.0	632.5	1	
16	0	-10970	-8	-4	0	-0	1	400.5	3.0	0.8	0.0	403.5	6	
17	0	-14330	-10	-5	0	-1	2	523.2	4.9	0.9	0.0	528.1	6	
1A	19	-13215	-6	-4	0	1	-1	482.5	2.3	0.6	0.0	484.7	6	
1E	19	-12915	-6	-4	0	1	-1	471.5	2.3	0.6	0.0	473.8	6	
1I	19	-13179	-7	-5	0	1	-1	481.2	2.5	0.7	0.0	483.7	6	
1M	19	-12951	-7	-5	0	1	-1	472.8	2.5	0.7	0.0	475.4	6	
2	19	-17945	-18	-5	0	1	-2	655.2	4.8	1.7	0.0	659.9	6	
3	19	-15805	-13	-6	0	-0	-1	577.0	1.9	1.3	0.0	579.0	6	
4	19	-11825	-12	-4	0	0	-1	431.7	1.3	1.2	0.0	433.0	6	
5	19	-13905	-15	-5	0	0	0	507.7	0.9	1.5	0.0	508.5	6	
6	19	-20375	-12	-7	0	1	-2	743.9	4.2	1.2	0.0	748.1	6	
7	19	-20055	-11	-8	0	-0	-0	732.2	0.6	1.1	0.0	732.8	1	
8	19	-13675	-9	-5	0	0	-0	499.3	1.1	0.8	0.0	500.4	1	
9	19	-16075	-12	-6	0	0	1	586.9	2.0	1.2	0.0	588.9	6	
10	19	-14925	-16	-4	0	1	-3	544.9	7.0	1.5	0.0	551.9	6	
11	19	-14225	-12	-5	0	-0	-1	519.4	2.8	1.2	0.0	522.1	6	
12	19	-10185	-12	-3	0	0	-1	371.9	1.7	1.2	0.0	373.6	6	
13	19	-12825	-14	-4	0	0	-0	468.2	0.7	1.3	0.0	468.9	6	
14	19	-15385	-8	-6	0	1	-3	561.7	6.6	0.8	0.0	568.3	6	
15	19	-17210	-9	-7	0	-0	-1	628.3	1.6	0.9	0.0	630.0	6	
16	19	-10965	-8	-4	0	0	-0	400.3	1.1	0.8	0.0	401.4	1	
17	19	-14325	-10	-5	0	0	0	523.0	0.5	1.0	0.0	523.5	1	
1A	39	-13210	-7	-4	0	1	-2	482.3	5.5	0.7	0.0	487.8	6	
1E	39	-12910	-7	-4	0	1	-2	471.3	5.5	0.7	0.0	476.8	6	
1I	39	-13174	-8	-5	0	1	-2	481.0	6.2	0.8	0.0	487.2	6	
1M	39	-12946	-8	-5	0	1	-2	472.7	6.2	0.8	0.0	478.9	6	
2	39	-17940	-15	-6	0	2	-5	655.0	12.3	1.5	0.0	667.3	6	
3	39	-15800	-11	-6	0	1	-3	576.9	7.5	1.1	0.0	584.4	6	
4	39	-11820	-11	-4	0	1	-3	431.5	6.5	1.0	0.0	438.1	6	
5	39	-13900	-13	-5	0	1	-2	507.5	5.8	1.3	0.0	513.3	6	
6	39	-20370	-12	-7	0	2	-4	743.7	10.3	1.2	0.0	754.0	6	
7	39	-20050	-11	-8	0	1	-2	732.0	5.9	1.1	0.0	737.9	6	
8	39	-13670	-9	-5	0	1	-2	499.1	5.4	0.9	0.0	504.5	6	
9	39	-16070	-12	-6	0	1	-1	586.7	4.3	1.2	0.0	591.0	6	

10	39	-14920	-13	-5	0	2	-6	544.7	13.5	1.3	0.0	558.2	6
11	39	-14220	-10	-5	0	1	-3	519.2	8.1	1.0	0.0	527.2	6
12	39	-10180	-10	-4	0	1	-3	371.7	6.8	1.0	0.0	378.5	6
13	39	-12820	-12	-5	0	1	-3	468.1	6.6	1.2	0.0	474.7	6
14	39	-15380	-9	-6	0	2	-4	561.5	11.0	0.9	0.0	572.5	6
15	39	-17210	-9	-7	0	1	-2	628.3	6.1	0.9	0.0	634.5	6
16	39	-10960	-8	-4	0	1	-2	400.1	4.9	0.8	0.0	405.1	6
17	39	-14320	-10	-6	0	1	-2	522.8	4.9	1.0	0.0	527.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-13220	1	1	10	10	10	1.00	1.00	486.7	
1E	-12920	1	1	10	10	10	1.00	1.00	475.7	
1I	-13184	1	1	10	10	10	1.00	1.00	485.7	
1M	-12956	1	1	10	10	10	1.00	1.00	477.4	
2	-17950	1	2	10	10	10	1.00	1.00	662.4	
3	-15810	0	1	10	10	10	1.00	1.00	580.9	
4	-11830	0	1	10	10	10	1.00	1.00	435.1	
5	-13910	0	1	10	10	10	1.00	1.00	511.6	
6	-20380	1	2	10	10	10	1.00	1.00	751.2	
7	-20060	1	1	10	10	10	1.00	1.00	735.8	
8	-13680	1	1	10	10	10	1.00	1.00	502.4	
9	-16080	1	1	10	10	10	1.00	1.00	591.0	
10	-14930	1	3	10	10	10	1.00	1.00	554.3	
11	-14230	0	2	10	10	10	1.00	1.00	523.7	
12	-10190	1	1	10	10	10	1.00	1.00	375.5	
13	-12830	0	1	10	10	10	1.00	1.00	471.6	
14	-15390	1	3	10	10	10	1.00	1.00	571.1	
15	-17210	1	1	10	10	10	1.00	1.00	631.9	
16	-10970	1	1	10	10	10	1.00	1.00	403.3	
17	-14330	1	1	10	10	10	1.00	1.00	525.9	

ASTA NUM. 113 NI 151 NF 132 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4759 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13036	9	4	0	-0	-5	475.9	10.8	0.9	0.0	486.7	6	
1E	0	-12824	9	4	0	-0	-5	468.2	10.8	0.9	0.0	479.0	6	
1I	0	-13030	8	3	0	-0	-5	475.7	10.7	0.8	0.0	486.5	6	
1M	0	-12830	8	3	0	-0	-5	468.4	10.7	0.8	0.0	479.2	6	
2	0	-17530	-3	6	0	-1	-5	640.0	10.6	0.6	0.0	650.6	6	
3	0	-14620	-1	3	0	-0	-3	533.8	7.7	0.3	0.0	541.4	6	
4	0	-10950	-2	3	0	-0	-3	399.8	6.5	0.3	0.0	406.2	6	
5	0	-12020	-1	3	0	-0	-4	438.8	7.7	0.3	0.0	446.6	6	
6	0	-20250	10	6	0	-1	-8	739.3	16.5	1.0	0.0	755.8	6	
7	0	-18540	8	3	0	-1	-6	676.9	12.1	0.8	0.0	689.0	6	
8	0	-12840	6	3	0	-1	-5	468.8	10.2	0.6	0.0	479.0	6	
9	0	-13970	8	3	0	-1	-5	510.0	11.8	0.8	0.0	521.9	6	
10	0	-14760	-2	6	0	-1	-5	538.9	10.4	0.6	0.0	549.2	6	
11	0	-13200	-1	3	0	-0	-3	481.9	7.6	0.3	0.0	489.6	6	
12	0	-9428	-1	4	0	-0	-3	344.2	6.5	0.3	0.0	350.7	6	
13	0	-11150	-1	3	0	-0	-3	407.1	7.7	0.3	0.0	414.8	6	
14	0	-15230	11	5	0	-1	-7	556.0	14.9	1.0	0.0	571.0	6	
15	0	-15680	8	3	0	-1	-5	572.5	11.2	0.8	0.0	583.7	6	
16	0	-10020	7	3	0	-1	-4	365.8	9.5	0.6	0.0	375.3	6	
17	0	-12270	7	3	0	-1	-5	448.0	11.0	0.7	0.0	458.9	6	
1A	19	-13031	8	4	0	-1	-3	475.8	8.0	0.8	0.0	483.7	6	
1E	19	-12819	8	4	0	-1	-3	468.0	8.0	0.8	0.0	476.0	6	
1I	19	-13025	7	3	0	-1	-3	475.5	8.1	0.7	0.0	483.6	6	
1M	19	-12825	7	3	0	-1	-3	468.2	8.1	0.7	0.0	476.3	6	
2	19	-17520	-0	5	0	-2	-5	639.6	12.1	0.5	0.0	651.7	6	
3	19	-14615	1	3	0	-1	-3	533.6	8.2	0.3	0.0	541.8	6	
4	19	-10950	-0	3	0	-1	-3	399.8	7.3	0.3	0.0	407.1	6	
5	19	-12015	1	3	0	-1	-3	438.7	8.2	0.3	0.0	446.9	6	
6	19	-20245	10	6	0	-2	-6	739.1	13.4	0.9	0.0	752.5	6	
7	19	-18540	7	3	0	-1	-4	676.9	9.6	0.7	0.0	686.5	6	
8	19	-12835	6	3	0	-1	-3	468.6	8.2	0.6	0.0	476.8	6	
9	19	-13965	7	3	0	-1	-4	509.9	9.3	0.7	0.0	519.1	6	
10	19	-14755	0	6	0	-2	-5	538.7	11.7	0.5	0.0	550.4	6	
11	19	-13195	1	3	0	-1	-3	481.7	8.1	0.3	0.0	489.8	6	
12	19	-9424	0	3	0	-1	-3	344.1	7.3	0.3	0.0	351.3	6	
13	19	-11145	1	3	0	-1	-3	406.9	8.2	0.3	0.0	415.1	6	
14	19	-15225	10	5	0	-2	-5	555.9	11.6	1.0	0.0	567.4	6	
15	19	-15675	7	3	0	-1	-4	572.3	8.5	0.7	0.0	580.8	6	
16	19	-10015	6	3	0	-1	-3	365.6	7.4	0.6	0.0	373.0	6	
17	19	-12265	7	3	0	-1	-4	447.8	8.5	0.7	0.0	456.3	6	
1A	39	-13026	7	4	0	-2	-2	475.6	5.6	0.7	0.0	481.2	6	
1E	39	-12814	7	4	0	-2	-2	467.8	5.6	0.7	0.0	473.5	6	
1I	39	-13020	6	3	0	-2	-2	475.4	5.9	0.6	0.0	481.2	6	
1M	39	-12820	6	3	0	-2	-2	468.1	5.9	0.6	0.0	473.9	6	
2	39	-17510	3	5	0	-3	-5	639.3	12.3	0.5	0.0	651.6	6	
3	39	-14610	2	3	0	-2	-3	533.4	8.0	0.3	0.0	541.4	6	
4	39	-10950	2	3	0	-2	-3	399.8	7.5	0.3	0.0	407.3	6	
5	39	-12010	3	3	0	-2	-3	438.5	7.9	0.3	0.0	446.4	6	
6	39	-20240	9	5	0	-3	-4	739.0	10.4	0.9	0.0	749.4	6	
7	39	-18540	7	3	0	-2	-3	676.9	7.1	0.7	0.0	684.0	6	
8	39	-12830	6	3	0	-2	-2	468.4	6.3	0.6	0.0	474.7	6	
9	39	-13960	7	3	0	-2	-3	509.7	6.8	0.7	0.0	516.4	6	
10	39	-14750	3	5	0	-3	-5	538.5	11.8	0.5	0.0	550.4	6	
11	39	-13190	3	3	0	-2	-3	481.6	7.7	0.3	0.0	489.3	6	
12	39	-9420	2	3	0	-2	-3	343.9	7.3	0.3	0.0	351.2	6	
13	39	-11140	3	3	0	-2	-3	406.7	7.9	0.3	0.0	414.6	6	
14	39	-15220	9	5	0	-3	-3	555.7	8.4	0.9	0.0	564.1	6	
15	39	-15670	7	3	0	-2	-2	572.1	6.0	0.7	0.0	578.1	6	
16	39	-10010	6	3	0	-2	-2	365.5	5.3	0.6	0.0	370.8	6	
17	39	-12260	7	3	0	-2	-2	447.6	6.2	0.7	0.0	453.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-13036	1	4	10	10	10	1.00	1.00	486.5	
1E	-12824	1	4	10	10	10	1.00	1.00	478.8	
1I	-13030	1	4	10	10	10	1.00	1.00	486.4	
1M	-12830	1	4	10	10	10	1.00	1.00	479.1	
2	-17530	2	5	10	10	10	1.00	1.00	654.0	
3	-14620	1	3	10	10	10	1.00	1.00	543.3	
4	-10950	1	3	10	10	10	1.00	1.00	408.2	
5	-12020	1	3	10	10	10	1.00	1.00	448.3	
6	-20250	2	6	10	10	10	1.00	1.00	756.5	
7	-18540	1	4	10	10	10	1.00	1.00	689.0	
8	-12840	1	4	10	10	10	1.00	1.00	479.3	
9	-13970	1	4	10	10	10	1.00	1.00	521.8	
10	-14760	2	5	10	10	10	1.00	1.00	552.6	
11	-13200	1	3	10	10	10	1.00	1.00	491.3	
12	-9428	1	3	10	10	10	1.00	1.00	352.7	
13	-11150	1	3	10	10	10	1.00	1.00	416.6	
14	-15230	2	5	10	10	10	1.00	1.00	571.4	
15	-15680	1	4	10	10	10	1.00	1.00	583.5	
16	-10020	1	3	10	10	10	1.00	1.00	375.5	
17	-12270	1	4	10	10	10	1.00	1.00	459.0	

ASTA NUM. 114 NI 132 NF 126 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4758 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-12182	4	-6	0	-2	-2	444.8	5.3	0.6	0.0	450.1	6	
1E	0	-12058	4	-6	0	-2	-2	440.2	5.3	0.6	0.0	445.6	6	
1I	0	-12203	3	-6	0	-2	-2	445.5	5.1	0.6	0.0	450.6	1	
1M	0	-12037	3	-6	0	-2	-2	439.5	5.1	0.6	0.0	444.6	1	
2	0	-16180	18	-14	0	-3	-5	590.7	12.4	1.8	0.0	603.1	6	
3	0	-12750	12	-9	0	-2	-3	465.5	8.0	1.2	0.0	473.5	6	
4	0	-9544	11	-9	0	-2	-3	348.4	7.5	1.1	0.0	356.0	6	
5	0	-9575	12	-9	0	-2	-3	349.6	8.0	1.2	0.0	357.5	6	
6	0	-19080	10	-12	0	-3	-4	696.6	10.6	1.2	0.0	707.2	6	
7	0	-16220	7	-8	0	-2	-3	592.2	7.1	0.8	0.0	599.3	6	
8	0	-11370	6	-8	0	-2	-2	415.1	6.4	0.8	0.0	421.5	6	
9	0	-11220	7	-8	0	-2	-2	409.6	6.9	0.8	0.0	416.5	6	
10	0	-13770	18	-14	0	-3	-5	502.7	11.9	1.8	0.0	514.7	6	
11	0	-11540	12	-9	0	-2	-3	421.3	7.7	1.2	0.0	429.1	6	
12	0	-8188	12	-9	0	-2	-3	298.9	7.3	1.1	0.0	306.2	6	
13	0	-8962	12	-9	0	-2	-3	327.2	8.0	1.2	0.0	335.2	6	
14	0	-14270	10	-12	0	-3	-3	521.0	8.6	1.2	0.0	529.6	6	
15	0	-13480	7	-8	0	-2	-2	492.2	6.0	0.7	0.0	498.2	6	
16	0	-8605	6	-8	0	-2	-2	314.2	5.4	0.8	0.0	319.6	1	
17	0	-9701	7	-8	0	-2	-2	354.2	6.3	0.8	0.0	360.5	6	
1A	19	-12177	3	-6	0	-0	-1	444.6	3.0	0.6	0.0	447.6	6	

1E	19	-12053	3	-6	0	-0	-1	440.1	3.0	0.6	0.0	443.1	6
1I	19	-12198	2	-6	0	-1	-1	445.3	3.2	0.6	0.0	448.6	6
1M	19	-12032	2	-6	0	-1	-1	439.3	3.2	0.6	0.0	442.5	6
2	19	-16175	21	-14	0	-0	-1	590.5	2.3	2.0	0.0	592.8	6
3	19	-12750	14	-9	0	-0	-1	465.5	1.4	1.3	0.0	466.9	6
4	19	-9540	13	-9	0	0	-1	348.3	1.3	1.3	0.0	349.5	6
5	19	-9571	14	-10	0	0	-1	349.4	1.2	1.4	0.0	350.7	6
6	19	-19075	9	-12	0	-1	-2	696.4	4.8	1.2	0.0	701.2	6
7	19	-16215	7	-8	0	-1	-1	592.0	3.0	0.8	0.0	595.0	6
8	19	-11370	6	-8	0	-0	-1	415.1	2.8	0.8	0.0	417.9	6
9	19	-11215	7	-8	0	-0	-1	409.5	2.6	0.8	0.0	412.1	6
10	19	-13765	21	-15	0	-0	-1	502.6	1.6	2.1	0.0	504.2	6
11	19	-11535	14	-9	0	-0	-0	421.1	0.9	1.4	0.0	422.1	6
12	19	-8184	13	-9	0	0	-0	298.8	0.8	1.3	0.0	299.6	6
13	19	-8958	14	-10	0	0	-1	327.1	1.2	1.4	0.0	328.2	6
14	19	-14265	9	-12	0	-1	-1	520.8	2.8	1.2	0.0	523.6	6
15	19	-13475	7	-8	0	-0	-1	492.0	1.9	0.8	0.0	493.8	6
16	19	-8602	6	-8	0	-0	-1	314.0	1.7	0.8	0.0	315.7	6
17	19	-9698	7	-8	0	-0	-1	354.1	2.2	0.8	0.0	356.3	6
1A	39	-12172	2	-6	0	1	-1	444.4	2.4	0.6	0.0	446.8	6
1E	39	-12048	2	-6	0	1	-1	439.9	2.4	0.6	0.0	442.3	6
1I	39	-12193	1	-6	0	1	-1	445.2	2.9	0.6	0.0	448.1	6
1M	39	-12027	1	-6	0	1	-1	439.1	2.9	0.6	0.0	442.0	6
2	39	-16170	23	-15	0	3	3	590.4	9.1	2.3	0.0	599.4	6
3	39	-12750	15	-9	0	2	2	465.5	6.0	1.5	0.0	471.5	6
4	39	-9535	15	-9	0	2	2	348.1	5.9	1.4	0.0	354.0	6
5	39	-9567	16	-10	0	2	2	349.3	6.4	1.5	0.0	355.7	6
6	39	-19070	9	-12	0	2	-0	696.2	3.7	1.2	0.0	699.9	1
7	39	-16210	7	-8	0	1	0	591.8	2.2	0.8	0.0	594.0	1
8	39	-11370	5	-8	0	1	-0	415.1	2.5	0.8	0.0	417.6	1
9	39	-11210	7	-9	0	1	0	409.3	2.8	0.8	0.0	412.1	1
10	39	-13760	24	-15	0	3	4	502.4	9.9	2.3	0.0	512.3	6
11	39	-11530	16	-9	0	2	2	421.0	6.6	1.5	0.0	427.6	6
12	39	-8179	15	-10	0	2	2	298.6	6.5	1.5	0.0	305.1	6
13	39	-8954	15	-10	0	2	2	326.9	6.4	1.5	0.0	333.3	6
14	39	-14260	9	-12	0	2	1	520.6	4.2	1.2	0.0	524.8	1
15	39	-13470	7	-8	0	1	1	491.8	2.7	0.8	0.0	494.5	1
16	39	-8598	6	-8	0	1	0	313.9	2.8	0.8	0.0	316.7	1
17	39	-9694	6	-8	0	1	0	353.9	2.9	0.8	0.0	356.8	1

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-12182	1	1	10	10	10	1.00	1.00	449.3	
1E	-12058	1	1	10	10	10	1.00	1.00	444.8	
1I	-12203	1	1	10	10	10	1.00	1.00	450.3	
1M	-12037	1	1	10	10	10	1.00	1.00	444.3	
2	-16180	1	2	10	10	10	1.00	1.00	597.2	
3	-12750	1	1	10	10	10	1.00	1.00	469.6	
4	-9544	1	1	10	10	10	1.00	1.00	352.4	
5	-9575	1	1	10	10	10	1.00	1.00	353.8	
6	-19080	1	2	10	10	10	1.00	1.00	704.3	
7	-16220	1	2	10	10	10	1.00	1.00	597.1	
8	-11370	1	1	10	10	10	1.00	1.00	419.7	
9	-11220	1	1	10	10	10	1.00	1.00	414.3	
10	-13770	1	2	10	10	10	1.00	1.00	509.0	
11	-11540	1	1	10	10	10	1.00	1.00	425.3	
12	-8188	1	1	10	10	10	1.00	1.00	302.8	
13	-8962	1	1	10	10	10	1.00	1.00	331.4	
14	-14270	1	2	10	10	10	1.00	1.00	526.7	
15	-13480	1	1	10	10	10	1.00	1.00	495.9	
16	-8605	1	1	10	10	10	1.00	1.00	317.7	
17	-9701	1	1	10	10	10	1.00	1.00	358.4	

ASTA NUM. 115 NI 54 NF 134 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	5798	6	2	0	-0	1	211.7	2.5	0.6	0.0	214.2	6	
1E	0	6100	6	2	0	-0	1	222.7	2.5	0.6	0.0	225.2	6	
1I	0	5835	6	2	0	-0	1	213.0	2.6	0.6	0.0	215.6	6	
1M	0	6063	6	2	0	-0	1	221.4	2.6	0.6	0.0	224.0	6	
2	0	7898	25	1	0	-1	-2	288.4	5.7	2.4	0.0	294.0	6	
3	0	5098	18	0	0	-0	-3	186.1	7.4	1.8	0.0	193.6	6	
4	0	6752	19	1	0	-0	-4	246.5	8.2	1.9	0.0	254.7	6	
5	0	3477	14	-0	0	-1	-1	126.9	3.0	1.4	0.0	130.0	6	
6	0	9472	14	2	0	-1	1	345.8	2.2	1.4	0.0	348.0	6	
7	0	6228	13	2	0	-0	-2	227.4	4.9	1.2	0.0	232.2	6	
8	0	8203	14	2	0	0	-3	299.5	5.4	1.4	0.0	304.9	6	
9	0	4159	7	1	0	-1	1	151.8	2.5	0.7	0.0	154.3	6	
10	0	14060	26	2	0	-0	-2	513.3	5.1	2.6	0.0	518.5	6	
11	0	8879	19	1	0	-0	-3	324.2	7.0	1.9	0.0	331.1	6	
12	0	10700	20	2	0	0	-3	390.7	7.5	2.0	0.0	398.1	6	
13	0	7281	16	1	0	-0	-1	265.8	3.2	1.5	0.0	269.1	6	
14	0	14450	19	3	0	-0	-1	527.6	2.9	1.8	0.0	530.5	6	
15	0	9296	15	2	0	-0	-3	339.4	7.3	1.5	0.0	346.7	6	
16	0	11490	16	4	0	0	-3	419.5	7.0	1.5	0.0	426.5	6	
17	0	7208	10	1	0	-0	-1	263.2	1.8	1.0	0.0	265.0	6	
1A	19	5802	5	2	0	-1	2	211.8	5.2	0.5	0.0	217.1	6	
1E	19	6104	5	2	0	-1	2	222.8	5.2	0.5	0.0	228.0	6	
1I	19	5839	5	2	0	-1	2	213.2	5.0	0.5	0.0	218.2	6	
1M	19	6067	5	2	0	-1	2	221.5	5.0	0.5	0.0	226.5	6	
2	19	7903	19	1	0	-1	2	288.5	4.5	1.9	0.0	293.0	6	
3	19	5101	14	1	0	-1	-0	186.2	1.3	1.4	0.0	187.5	1	
4	19	6755	16	2	0	-0	-0	246.6	1.3	1.5	0.0	248.0	6	
5	19	3480	11	0	0	-1	1	127.1	2.9	1.0	0.0	130.0	6	
6	19	9477	11	2	0	-1	3	346.0	7.7	1.1	0.0	353.7	6	
7	19	6231	11	2	0	-1	0	227.5	1.4	1.1	0.0	228.9	1	
8	19	8206	12	2	0	-0	-0	299.6	1.0	1.2	0.0	300.6	1	
9	19	4162	6	1	0	-1	2	152.0	5.2	0.6	0.0	157.2	6	
10	19	14065	21	3	0	-1	2	513.5	5.5	2.0	0.0	519.0	6	
11	19	8882	16	2	0	-1	0	324.3	1.2	1.5	0.0	325.5	1	
12	19	10705	16	3	0	-0	0	390.8	0.7	1.6	0.0	391.5	1	
13	19	7284	12	1	0	-1	1	265.9	3.2	1.2	0.0	269.1	6	
14	19	14460	16	4	0	-1	2	527.9	5.2	1.6	0.0	533.1	6	
15	19	9300	14	2	0	-1	-1	339.5	1.8	1.3	0.0	341.3	6	
16	19	11495	14	4	0	-0	-0	419.7	1.0	1.4	0.0	420.7	1	
17	19	7211	9	2	0	-1	1	263.3	3.0	0.9	0.0	266.3	6	
1A	39	5806	4	2	0	-1	3	212.0	7.5	0.4	0.0	219.5	6	
1E	39	6108	4	2	0	-1	3	223.0	7.5	0.4	0.0	230.5	6	
1I	39	5843	4	2	0	-1	3	213.3	6.9	0.4	0.0	220.2	6	
1M	39	6071	4	2	0	-1	3	221.7	6.9	0.4	0.0	228.6	6	
2	39	7907	13	2	0	-1	5	288.7	11.3	1.3	0.0	299.9	6	
3	39	5103	11	1	0	-1	2	186.3	5.3	1.1	0.0	191.7	6	
4	39	6758	12	2	0	-1	2	246.7	5.2	1.2	0.0	252.0	6	
5	39	3483	7	1	0	-1	3	127.2	6.6	0.7	0.0	133.7	6	
6	39	9482	9	2	0	-1	5	346.2	12.2	0.9	0.0	358.4	6	
7	39	6234	10	2	0	-1	2	227.6	5.2	0.9	0.0	232.8	6	
8	39	8209	11	3	0	-1	2	299.7	5.4	1.0	0.0	305.1	6	
9	39	4166	4	1	0	-1	3	152.1	7.3	0.4	0.0	159.4	6	
10	39	14070	15	3	0	-1	6	513.7	13.3	1.5	0.0	527.0	6	
11	39	8885	12	2	0	-1	3	324.4	6.6	1.2	0.0	331.0	6	
12	39	10710	13	3	0	-1	3	391.0	6.7	1.2	0.0	397.8	6	
13	39	7287	9	2	0	-1	3	266.0	7.6	0.8	0.0	273.6	6	
14	39	14470	13	4	0	-2	5	528.3	11.7	1.3	0.0	540.0	6	
15	39	9303	12	3	0	-1	2	339.6	4.9	1.2	0.0	344.5	6	
16	39	11500	12	4	0	-1	2	419.9	5.5	1.2	0.0	425.4	6	
17	39	7214	7	2	0	-1	3	263.4	6.5	0.7	0.0	269.9	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	5806	1	2	10	10	10	1.00	1.00	218.4	
1E	6108	1	2	10	10	10	1.00	1.00	229.4	
1I	5843	1	2	10	10	10	1.00	1.00	219.4	
1M	6071	1	2	10	10	10	1.00	1.00	227.7	
2	7907	1	2	10	10	10	1.00	1.00	294.9	
3	5103	1	1	10	10	10	1.00	1.00	190.4	
4	6758	0	2	10	10	10	1.00	1.00	251.0	
5	3483	1	1	10	10	10	1.00	1.00	131.0	
6	9482	1	3	10	10	10	1.00	1.00	355.8	
7	6234	1	1	10	10	10	1.00	1.00	230.9	
8	8209	1	1	10	10	10	1.00	1.00	303.0	
9	4166	1	2	10	10	10	1.00	1.00	158.4	
10	14070	1	3	10	10	10	1.00	1.00	521.1	
11	8885	1	1	10	10	10	1.00	1.00	328.4	
12	10710	0	1	10	10	10	1.00	1.00	394.9	
13	7287	1	1	10	10	10	1.00	1.00	270.3	
14	14470	1	2	10	10	10	1.00	1.00	535.9	
15	9303	1	1	10	10	10	1.00	1.00	344.0	
16	11500	1	1	10	10	10	1.00	1.00	423.6	
17	7214	1	1	10	10	10	1.00	1.00	267.8	

ASTA NUM. 116 NI 154 NF 136 Lungh. 49.2 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5802	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	5704	-0	-3	0	0	4	208.3	7.8	0.3	0.0	216.0	6	
1E	0	5916	-0	-3	0	0	4	216.0	7.8	0.3	0.0	223.8	6	
1I	0	5710	-1	-3	0	0	4	208.5	7.8	0.3	0.0	216.3	6	
1M	0	5910	-1	-3	0	0	4	215.8	7.8	0.3	0.0	223.6	6	
2	0	7737	16	-7	0	-0	3	282.5	5.8	1.6	0.0	288.3	6	
3	0	4780	10	-4	0	-0	2	174.5	3.5	1.0	0.0	178.0	6	
4	0	5738	10	-4	0	0	2	209.5	4.0	1.0	0.0	213.5	6	
5	0	3581	11	-4	0	-0	1	130.7	2.6	1.0	0.0	133.4	6	
6	0	9341	3	-6	0	0	5	341.0	11.2	0.6	0.0	352.2	6	
7	0	5812	2	-4	0	0	3	212.2	6.9	0.4	0.0	219.1	6	
8	0	7044	2	-4	0	0	4	257.2	7.7	0.4	0.0	264.9	6	
9	0	4381	3	-4	0	0	3	159.9	5.9	0.4	0.0	165.8	6	
10	0	13950	15	-7	0	-0	4	509.3	8.5	1.5	0.0	517.8	6	
11	0	8592	10	-4	0	-0	2	313.7	5.1	0.9	0.0	318.8	6	
12	0	9674	9	-4	0	0	3	353.2	5.6	0.9	0.0	358.8	6	
13	0	7404	10	-4	0	-0	2	270.3	4.3	1.0	0.0	274.6	6	
14	0	14360	4	-7	0	0	6	524.3	12.8	0.7	0.0	537.0	6	
15	0	8902	2	-4	0	0	4	325.0	7.8	0.4	0.0	332.9	6	
16	0	10280	2	-4	0	0	4	375.3	8.6	0.4	0.0	383.9	6	
17	0	7429	3	-4	0	0	3	271.2	6.8	0.4	0.0	278.0	6	
1A	25	5709	-1	-3	0	1	3	208.4	8.0	0.3	0.0	216.4	6	
1E	25	5921	-1	-3	0	1	3	216.2	8.0	0.3	0.0	224.2	6	
1I	25	5715	-2	-3	0	1	3	208.7	7.8	0.3	0.0	216.5	6	
1M	25	5915	-2	-3	0	1	3	216.0	7.8	0.3	0.0	223.8	6	
2	25	7742	9	-6	0	2	6	282.7	13.4	0.9	0.0	296.1	6	
3	25	4784	5	-4	0	1	4	174.6	8.2	0.5	0.0	182.9	6	
4	25	5742	5	-4	0	1	4	209.6	8.6	0.5	0.0	218.2	6	
5	25	3585	6	-4	0	1	3	130.9	7.5	0.6	0.0	138.4	6	
6	25	9348	-0	-6	0	2	6	341.3	13.3	0.6	0.0	354.6	6	
7	25	5817	-0	-4	0	1	3	212.4	8.1	0.4	0.0	220.5	6	
8	25	7048	-0	-4	0	1	4	257.3	8.7	0.4	0.0	266.0	6	
9	25	4385	1	-4	0	1	3	160.1	7.4	0.4	0.0	167.5	6	
10	25	13955	8	-7	0	2	7	509.5	15.9	0.8	0.0	525.4	6	
11	25	8596	5	-4	0	1	4	313.8	9.7	0.5	0.0	323.6	6	
12	25	9678	5	-4	0	1	4	353.3	10.1	0.5	0.0	363.5	6	
13	25	7408	6	-4	0	1	4	270.4	9.1	0.6	0.0	279.5	6	
14	25	14370	0	-7	0	2	6	524.6	15.1	0.6	0.0	539.7	6	
15	25	8906	-0	-4	0	1	4	325.2	9.1	0.4	0.0	334.3	6	
16	25	10285	-0	-4	0	1	4	375.5	9.7	0.4	0.0	385.2	6	
17	25	7434	1	-4	0	1	4	271.4	8.4	0.4	0.0	279.8	6	
1A	49	5714	-3	-3	0	2	3	208.6	7.5	0.3	0.0	216.1	6	
1E	49	5926	-3	-3	0	2	3	216.4	7.5	0.3	0.0	223.8	6	
1I	49	5720	-3	-3	0	2	3	208.8	7.2	0.3	0.0	216.0	6	
1M	49	5920	-3	-3	0	2	3	216.1	7.2	0.3	0.0	223.3	6	
2	49	7748	1	-5	0	3	7	282.9	17.2	0.5	0.0	300.1	6	
3	49	4787	1	-3	0	2	4	174.8	10.5	0.3	0.0	185.3	6	
4	49	5745	1	-3	0	2	4	209.7	10.8	0.3	0.0	220.5	6	
5	49	3588	1	-3	0	2	4	131.0	10.1	0.3	0.0	141.1	6	
6	49	9354	-3	-6	0	3	5	341.5	13.7	0.6	0.0	355.2	6	
7	49	5821	-2	-4	0	2	3	212.5	8.3	0.3	0.0	220.8	6	
8	49	7052	-3	-4	0	2	3	257.5	8.7	0.3	0.0	266.1	6	
9	49	4389	-1	-4	0	2	3	160.2	7.9	0.4	0.0	168.2	6	
10	49	13960	1	-6	0	3	8	509.7	19.6	0.6	0.0	529.3	6	
11	49	8599	1	-4	0	2	5	313.9	12.0	0.4	0.0	325.9	6	
12	49	9681	0	-4	0	2	5	353.5	12.2	0.3	0.0	365.7	6	
13	49	7411	1	-4	0	2	5	270.6	11.6	0.3	0.0	282.2	6	
14	49	14380	-3	-6	0	3	6	525.0	15.7	0.6	0.0	540.7	6	
15	49	8911	-2	-4	0	2	4	325.3	9.3	0.4	0.0	334.6	6	
16	49	10290	-2	-4	0	2	4	375.7	9.7	0.4	0.0	385.4	6	
17	49	7438	-1	-4	0	2	3	271.6	8.9	0.4	0.0	280.5	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	5714	1	3	13	13	13	1.00	1.00	218.1	
1E	5926	1	3	13	13	13	1.00	1.00	225.9	
1I	5720	1	3	13	13	13	1.00	1.00	218.2	
1M	5920	1	3	13	13	13	1.00	1.00	225.5	
2	7748	2	5	13	13	13	1.00	1.00	297.7	
3	4787	1	3	13	13	13	1.00	1.00	183.8	
4	5745	1	3	13	13	13	1.00	1.00	219.2	
5	3588	1	3	13	13	13	1.00	1.00	139.3	
6	9354	2	5	13	13	13	1.00	1.00	356.8	
7	5821	1	3	13	13	13	1.00	1.00	221.8	
8	7052	1	3	13	13	13	1.00	1.00	267.5	
9	4389	1	3	13	13	13	1.00	1.00	168.8	
10	13960	2	6	13	13	13	1.00	1.00	527.2	
11	8599	1	4	13	13	13	1.00	1.00	324.7	
12	9681	1	4	13	13	13	1.00	1.00	364.6	
13	7411	1	4	13	13	13	1.00	1.00	280.6	
14	14380	2	6	13	13	13	1.00	1.00	542.1	
15	8911	1	4	13	13	13	1.00	1.00	335.7	
16	10290	1	4	13	13	13	1.00	1.00	386.8	
17	7438	1	3	13	13	13	1.00	1.00	281.1	

ASTA NUM. 117 NI 136 NF 129 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	5264	-4	5	0	2	3	192.2	8.0	0.5	0.0	200.2	6	
1E	0	5388	-4	5	0	2	3	196.7	8.0	0.5	0.0	204.7	6	
1I	0	5243	-5	6	0	2	3	191.4	8.3	0.5	0.0	199.7	6	
1M	0	5409	-5	6	0	2	3	197.5	8.3	0.5	0.0	205.8	6	
2	0	7082	-20	11	0	3	7	258.6	17.2	2.0	0.0	275.7	6	
3	0	4197	-12	7	0	2	4	153.2	10.5	1.2	0.0	163.7	6	
4	0	4438	-13	8	0	2	4	162.0	10.7	1.2	0.0	172.8	6	
5	0	3438	-12	7	0	2	4	125.5	10.1	1.2	0.0	135.6	6	
6	0	8672	-10	10	0	3	5	316.6	13.7	1.0	0.0	330.3	6	
7	0	5121	-6	6	0	2	3	187.0	8.3	0.6	0.0	195.3	6	
8	0	5569	-6	7	0	2	3	203.3	8.7	0.7	0.0	212.0	6	
9	0	4329	-6	5	0	2	3	158.1	7.9	0.5	0.0	166.0	6	
10	0	13030	-20	12	0	3	8	475.7	19.6	2.0	0.0	495.3	6	
11	0	7842	-13	7	0	2	5	286.3	12.0	1.2	0.0	298.3	6	
12	0	8151	-13	8	0	2	5	297.6	12.2	1.3	0.0	309.8	6	
13	0	7088	-12	7	0	2	5	258.8	11.6	1.2	0.0	270.4	6	
14	0	13480	-10	10	0	3	6	492.2	15.7	1.0	0.0	507.9	6	
15	0	8075	-6	6	0	2	4	294.8	9.3	0.6	0.0	304.1	6	
16	0	8576	-6	7	0	2	4	313.1	9.7	0.7	0.0	322.8	6	
17	0	7234	-6	5	0	2	4	264.1	8.9	0.5	0.0	273.0	6	
1A	19	5268	-5	5	0	1	2	192.3	5.2	0.5	0.0	197.5	6	
1E	19	5392	-5	5	0	1	2	196.9	5.2	0.5	0.0	202.0	6	
1I	19	5247	-7	6	0	1	2	191.6	5.0	0.6	0.0	196.6	6	
1M	19	5413	-7	6	0	1	2	197.6	5.0	0.6	0.0	202.6	6	
2	19	7087	-26	12	0	1	3	258.7	6.0	2.5	0.0	264.7	6	
3	19	4200	-16	7	0	0	2	153.3	3.5	1.6	0.0	156.9	6	
4	19	4441	-16	8	0	0	2	162.1	3.6	1.6	0.0	165.7	6	
5	19	3441	-16	7	0	0	1	125.6	3.4	1.5	0.0	129.0	6	
6	19	8678	-12	10	0	1	3	316.8	7.7	1.2	0.0	324.5	6	
7	19	5124	-8	6	0	1	2	187.1	4.5	0.8	0.0	191.6	6	
8	19	5572	-8	7	0	1	2	203.5	4.7	0.8	0.0	208.1	6	
9	19	4332	-7	5	0	1	2	158.2	4.5	0.7	0.0	162.7	6	
10	19	13030	-26	13	0	1	4	475.7	8.1	2.6	0.0	483.9	6	
11	19	7845	-16	8	0	0	2	286.4	4.8	1.6	0.0	291.3	6	
12	19	8154	-16	8	0	0	2	297.7	4.9	1.6	0.0	302.6	6	
13	19	7091	-16	7	0	0	2	258.9	4.7	1.6	0.0	263.6	6	
14	19	13485	-12	10	0	1	4	492.3	9.7	1.2	0.0	502.0	6	
15	19	8078	-8	6	0	1	2	294.9	5.6	0.8	0.0	300.5	6	
16	19	8579	-8	7	0	1	2	313.2	5.7	0.8	0.0	319.0	6	
17	19	7237	-7	5	0	1	2	264.2	5.5	0.7	0.0	269.7	6	
1A	39	5272	-6	5	0	-0	1	192.5	2.0	0.6	0.0	194.5	6	
1E	39	5396	-6	5	0	-0	1	197.0	2.0	0.6	0.0	199.0	6	
1I	39	5251	-8	6	0	-0	1	191.7	1.5	0.7	0.0	193.2	6	
1M	39	5417	-8	6	0	-0	1	197.8	1.5	0.7	0.0	199.2	6	
2	39	7091	-31	13	0	-2	-3	258.9	7.6	3.1	0.0	266.5	6	
3	39	4202	-20	8	0	-1	-2	153.4	5.0	1.9	0.0	158.4	6	
4	39	4444	-20	8	0	-1	-2	162.2	5.1	1.9	0.0	167.3	6	
5	39	3444	-19	7	0	-1	-2	125.7	4.8	1.9	0.0	130.5	6	
6	39	8683	-15	10	0	-1	1	317.0	1.5	1.5	0.0	318.6	1	
7	39	5128	-9	6	0	-0	0	187.2	0.9	0.9	0.0	188.1	1	
8	39	5576	-10	7	0	-1	0	203.6	1.2	0.9	0.0	204.8	1	
9	39	4336	-9	5	0	-0	0	158.3	0.8	0.9	0.0	159.1	6	
10	39	13030	-32	13	0	-2	-2	475.7	5.7	3.1	0.0	481.4	6	
11	39	7848	-20	8	0	-1	-1	286.5	3.8	2.0	0.0	290.3	6	
12	39	8157	-20	9	0	-1	-1	297.8	3.9	2.0	0.0	301.7	6	
13	39	7094	-19	8	0	-1	-1	259.0	3.7	1.9	0.0	262.7	6	
14	39	13490	-15	10	0	-0	1	492.5	3.2	1.5	0.0	495.7	6	
15	39	8082	-9	6	0	-0	1	295.1	1.6	0.9	0.0	296.7	6	
16	39	8582	-10	7	0	-0	1	313.3	1.9	0.9	0.0	315.2	6	
17	39	7240	-9	5	0	-0	1	264.3	1.7	0.9	0.0	266.0	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	5272	1	2	10	10	10	1.00	1.00	199.6	
1E	5396	1	2	10	10	10	1.00	1.00	204.1	
1I	5251	1	2	10	10	10	1.00	1.00	198.7	
1M	5417	1	2	10	10	10	1.00	1.00	204.7	
2	7091	1	3	10	10	10	1.00	1.00	267.7	
3	4202	1	2	10	10	10	1.00	1.00	158.7	
4	4444	1	2	10	10	10	1.00	1.00	167.7	
5	3444	1	2	10	10	10	1.00	1.00	130.8	
6	8683	2	3	10	10	10	1.00	1.00	327.7	
7	5128	1	2	10	10	10	1.00	1.00	193.6	
8	5576	1	2	10	10	10	1.00	1.00	210.1	
9	4336	1	2	10	10	10	1.00	1.00	164.5	
10	13030	1	4	10	10	10	1.00	1.00	486.9	
11	7848	1	2	10	10	10	1.00	1.00	293.2	
12	8157	1	2	10	10	10	1.00	1.00	304.7	
13	7094	1	2	10	10	10	1.00	1.00	265.4	
14	13490	2	4	10	10	10	1.00	1.00	505.3	
15	8082	1	2	10	10	10	1.00	1.00	302.5	
16	8582	1	3	10	10	10	1.00	1.00	321.0	
17	7240	1	2	10	10	10	1.00	1.00	271.5	

ASTA NUM. 118 NI 53 NF 135 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2125	1	-0	0	1	3	77.6	8.0	0.1	0.0	85.5	6	
1E	0	2425	1	-0	0	1	3	88.6	8.0	0.1	0.0	96.5	6	
1I	0	2161	1	-0	0	1	4	78.9	8.2	0.1	0.0	87.1	6	
1M	0	2389	1	-0	0	1	4	87.2	8.2	0.1	0.0	95.4	6	
2	0	4841	21	1	0	1	1	176.7	3.3	2.0	0.0	180.1	1	
3	0	1881	13	1	0	1	0	68.7	2.3	1.2	0.0	71.0	1	
4	0	-423	10	2	0	1	1	15.4	3.7	1.0	0.0	19.2	1	
5	0	3081	12	1	0	1	1	112.5	2.6	1.1	0.0	115.1	6	
6	0	4171	7	-0	0	1	4	152.3	10.2	0.7	0.0	162.4	6	
7	0	883	4	1	0	1	3	32.2	6.4	0.4	0.0	38.6	6	
8	0	-1287	2	2	0	1	4	47.0	8.5	0.2	0.0	55.5	6	
9	0	2998	3	-1	0	1	4	109.5	7.9	0.3	0.0	117.4	6	
10	0	9142	22	-0	0	1	1	333.8	2.8	2.1	0.0	336.6	1	
11	0	4500	13	0	0	1	0	164.3	2.0	1.3	0.0	166.3	1	
12	0	2010	10	1	0	1	2	73.4	5.1	1.0	0.0	78.5	6	
13	0	5660	12	-0	0	0	1	206.6	2.3	1.2	0.0	209.0	6	
14	0	9155	11	-2	0	1	2	334.2	6.0	1.1	0.0	340.2	6	
15	0	3952	6	-0	0	1	2	144.3	3.9	0.6	0.0	148.2	6	
16	0	1423	3	1	0	1	3	52.0	8.2	0.2	0.0	60.2	6	
17	0	5945	6	-2	0	0	2	217.1	4.6	0.5	0.0	221.7	6	
1A	19	2129	0	-0	0	1	4	77.7	8.4	0.0	0.0	86.1	6	
1E	19	2429	0	-0	0	1	4	88.7	8.4	0.0	0.0	97.1	6	
1I	19	2165	-1	-0	0	1	4	79.1	8.2	0.1	0.0	87.2	6	
1M	19	2393	-1	-0	0	1	4	87.4	8.2	0.1	0.0	95.6	6	
2	19	4846	15	1	0	1	4	176.9	9.3	1.5	0.0	186.2	6	
3	19	1884	9	1	0	1	2	68.8	5.3	0.9	0.0	74.1	6	
4	19	-420	7	2	0	1	3	15.3	6.8	0.7	0.0	22.1	6	
5	19	3083	8	0	0	1	3	112.6	6.6	0.8	0.0	119.1	6	
6	19	4176	4	-0	0	1	5	152.5	12.6	0.4	0.0	165.0	6	
7	19	886	2	1	0	1	3	32.3	7.5	0.2	0.0	39.8	6	
8	19	-1284	0	1	0	1	4	46.9	8.7	0.1	0.0	55.6	6	
9	19	3002	1	-1	0	1	4	109.6	8.9	0.1	0.0	118.5	6	
10	19	9147	16	-1	0	1	4	333.9	10.1	1.5	0.0	344.1	6	
11	19	4503	10	0	0	1	3	164.4	5.9	0.9	0.0	170.3	6	
12	19	2013	6	1	0	1	4	73.5	8.3	0.6	0.0	81.7	6	
13	19	5663	9	-1	0	1	3	206.7	6.8	0.9	0.0	213.5	6	
14	19	9161	8	-2	0	1	4	334.4	10.1	0.8	0.0	344.6	6	
15	19	3955	4	-0	0	1	3	144.4	6.0	0.4	0.0	150.4	6	
16	19	1426	1	1	0	1	4	52.1	8.8	0.1	0.0	60.9	6	
17	19	5948	4	-2	0	1	3	217.2	6.8	0.4	0.0	224.0	6	
1A	39	2133	-1	-0	0	1	4	77.9	8.4	0.1	0.0	86.2	6	
1E	39	2433	-1	-0	0	1	4	88.8	8.4	0.1	0.0	97.2	6	
1I	39	2169	-2	-0	0	1	3	79.2	7.7	0.2	0.0	86.9	6	
1M	39	2397	-2	-0	0	1	3	87.5	7.7	0.2	0.0	95.2	6	
2	39	4850	9	0	0	1	6	177.1	14.0	0.9	0.0	191.1	6	
3	39	1886	5	1	0	1	4	68.9	8.2	0.5	0.0	77.0	6	
4	39	-417	3	2	0	1	4	15.2	8.5	0.3	0.0	23.8	6	
5	39	3086	4	-0	0	1	4	112.7	9.1	0.4	0.0	121.8	6	
6	39	4181	2	-1	0	1	6	152.6	13.9	0.2	0.0	166.6	6	
7	39	889	1	1	0	1	3	32.5	8.0	0.1	0.0	40.4	6	
8	39	-1281	-1	1	0	1	4	46.8	8.3	0.1	0.0	55.1	6	
9	39	3005	-0	-1	0	1	4	109.7	9.3	0.1	0.0	119.0	6	
10	39	9151	10	-2	0	1	7	334.1	15.6	1.0	0.0	349.7	6	
11	39	4506	6	-0	0	1	4	164.5	9.1	0.6	0.0	173.6	6	
12	39	2015	3	1	0	1	4	73.6	10.0	0.3	0.0	83.6	6	
13	39	5665	5	-1	0	1	4	206.8	9.8	0.5	0.0	216.6	6	
14	39	9166	6	-2	0	2	6	334.6	13.2	0.5	0.0	347.9	6	
15	39	3958	3	-0	0	1	3	144.5	7.5	0.3	0.0	152.0	6	
16	39	1429	-1	1	0	1	4	52.2	8.7	0.1	0.0	60.9	6	
17	39	5952	2	-2	0	1	4	217.3	8.4	0.2	0.0	225.7	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	2133	1	4	10	10	10	1.00	1.00	87.1	
1E	2433	1	4	10	10	10	1.00	1.00	98.1	
1I	2169	1	3	10	10	10	1.00	1.00	88.3	
1M	2397	1	3	10	10	10	1.00	1.00	96.6	
2	4850	1	4	10	10	10	1.00	1.00	188.1	
3	1886	1	2	10	10	10	1.00	1.00	75.4	
4	-423	1	3	10	10	10	1.00	1.00	23.4	
5	3086	1	3	10	10	10	1.00	1.00	120.0	
6	4181	1	5	10	10	10	1.00	1.00	166.9	
7	889	1	3	10	10	10	1.00	1.00	41.1	
8	-1287	1	4	10	10	10	1.00	1.00	56.9	
9	3005	1	4	10	10	10	1.00	1.00	119.3	
10	9151	1	4	10	10	10	1.00	1.00	346.1	
11	4506	1	3	10	10	10	1.00	1.00	171.6	
12	2015	1	3	10	10	10	1.00	1.00	82.9	
13	5665	1	3	10	10	10	1.00	1.00	214.5	
14	9166	1	4	10	10	10	1.00	1.00	346.9	
15	3958	1	3	10	10	10	1.00	1.00	151.8	
16	1429	1	4	10	10	10	1.00	1.00	62.1	
17	5952	1	3	10	10	10	1.00	1.00	225.1	

ASTA NUM. 119 NI 155 NF 137 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2953	1	5	0	-0	2	107.8	4.9	0.5	0.0	112.7	6	
1E	0	3165	1	5	0	-0	2	115.6	4.9	0.5	0.0	120.4	6	
1I	0	2959	1	4	0	-0	2	108.0	5.1	0.4	0.0	113.1	6	
1M	0	3159	1	4	0	-0	2	115.3	5.1	0.4	0.0	120.4	6	
2	0	5847	18	7	0	-0	1	213.5	2.9	1.8	0.0	216.4	6	
3	0	2667	12	4	0	-0	1	97.4	1.2	1.1	0.0	98.6	6	
4	0	1041	12	4	0	0	-0	38.0	0.1	1.2	0.0	38.1	4	
5	0	3455	12	4	0	-0	1	126.1	1.2	1.1	0.0	127.3	6	
6	0	5324	5	7	0	-0	3	194.4	7.2	0.7	0.0	201.6	6	
7	0	1854	4	4	0	-0	2	67.7	3.6	0.4	0.0	71.3	6	
8	0	426	4	4	0	-0	1	15.6	2.5	0.4	0.0	18.0	6	
9	0	3371	4	4	0	-0	2	123.1	4.0	0.4	0.0	127.1	6	
10	0	10270	18	8	0	-0	2	375.0	4.6	1.7	0.0	379.6	6	
11	0	5364	11	5	0	-0	1	195.8	2.2	1.1	0.0	198.0	6	
12	0	3606	12	5	0	0	0	131.7	1.0	1.2	0.0	132.6	6	
13	0	6115	11	5	0	-0	1	223.3	2.2	1.1	0.0	225.5	6	
14	0	10350	6	7	0	-0	4	377.9	8.8	0.7	0.0	386.7	6	
15	0	4944	4	4	0	-0	2	180.5	4.5	0.4	0.0	185.1	6	
16	0	3246	5	4	0	-0	2	118.5	3.2	0.5	0.0	121.7	6	
17	0	6345	4	4	0	-0	2	231.7	5.0	0.4	0.0	236.6	6	
1A	19	2958	0	5	0	-1	2	108.0	5.9	0.5	0.0	113.9	6	
1E	19	3169	0	5	0	-1	2	115.7	5.9	0.5	0.0	121.6	6	
1I	19	2963	-0	4	0	-1	2	108.2	5.9	0.4	0.0	114.0	6	
1M	19	3164	-0	4	0	-1	2	115.5	5.9	0.4	0.0	121.4	6	
2	19	5852	12	7	0	-2	4	213.6	10.1	1.2	0.0	223.8	6	
3	19	2670	8	4	0	-1	2	97.5	5.8	0.8	0.0	103.3	6	
4	19	1044	9	4	0	-1	2	38.1	4.8	0.8	0.0	42.9	6	
5	19	3457	8	4	0	-1	2	126.2	5.8	0.8	0.0	132.1	6	
6	19	5330	3	7	0	-2	4	194.6	10.0	0.7	0.0	204.6	6	

7	19	1858	2	4	0	-1	2	67.8	5.4	0.4	0.0	73.3	6
8	19	429	3	4	0	-1	2	15.7	4.6	0.4	0.0	20.3	6
9	19	3375	2	4	0	-1	2	123.2	5.8	0.4	0.0	129.0	6
10	19	10275	12	7	0	-2	5	375.1	11.9	1.2	0.0	387.0	6
11	19	5367	8	4	0	-1	3	195.9	6.8	0.8	0.0	202.7	6
12	19	3609	9	4	0	-1	2	131.8	5.8	0.8	0.0	137.5	6
13	19	6118	8	4	0	-1	3	223.4	6.9	0.8	0.0	230.2	6
14	19	10355	3	7	0	-2	5	378.1	11.8	0.7	0.0	389.8	6
15	19	4947	2	4	0	-1	3	180.6	6.5	0.4	0.0	187.1	6
16	19	3250	3	4	0	-1	2	118.6	5.4	0.4	0.0	124.1	6
17	19	6348	2	4	0	-1	3	231.8	6.8	0.4	0.0	238.6	6
1A	39	2962	-1	5	0	-2	2	108.1	6.5	0.5	0.0	114.6	6
1E	39	3174	-1	5	0	-2	2	115.9	6.5	0.5	0.0	122.4	6
1I	39	2968	-1	4	0	-2	2	108.4	6.2	0.4	0.0	114.5	6
1M	39	3168	-1	4	0	-2	2	115.7	6.2	0.4	0.0	121.8	6
2	39	5856	6	6	0	-3	6	213.8	15.0	0.6	0.0	228.8	6
3	39	2673	4	4	0	-2	4	97.6	8.9	0.4	0.0	106.5	6
4	39	1047	5	3	0	-1	3	38.2	8.2	0.5	0.0	46.4	6
5	39	3460	4	4	0	-2	4	126.3	9.0	0.4	0.0	135.3	6
6	39	5335	0	7	0	-3	4	194.8	11.7	0.6	0.0	206.5	6
7	39	1861	1	4	0	-2	3	67.9	6.6	0.4	0.0	74.6	6
8	39	433	1	4	0	-2	2	15.8	6.1	0.4	0.0	21.9	6
9	39	3378	0	4	0	-2	3	123.3	7.0	0.4	0.0	130.3	6
10	39	10280	6	7	0	-3	7	375.3	16.7	0.7	0.0	392.0	6
11	39	5369	4	4	0	-2	4	196.0	9.9	0.4	0.0	206.0	6
12	39	3612	5	4	0	-2	4	131.9	9.2	0.5	0.0	141.1	6
13	39	6121	4	4	0	-2	4	223.5	10.0	0.4	0.0	233.5	6
14	39	10360	0	7	0	-3	5	378.2	13.6	0.7	0.0	391.9	6
15	39	4951	1	4	0	-2	3	180.8	7.7	0.4	0.0	188.5	6
16	39	3253	2	4	0	-2	3	118.8	7.0	0.4	0.0	125.8	6
17	39	6352	0	4	0	-2	3	231.9	8.0	0.4	0.0	239.9	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	2962	1	2	10	10	10	1.00	1.00	115.5	
1E	3174	1	2	10	10	10	1.00	1.00	123.2	
1I	2968	1	2	10	10	10	1.00	1.00	115.7	
1M	3168	1	2	10	10	10	1.00	1.00	123.0	
2	5856	2	4	10	10	10	1.00	1.00	226.1	
3	2673	1	2	10	10	10	1.00	1.00	104.7	
4	1047	1	2	10	10	10	1.00	1.00	44.2	
5	3460	1	2	10	10	10	1.00	1.00	133.5	
6	5335	2	4	10	10	10	1.00	1.00	207.2	
7	1861	1	2	10	10	10	1.00	1.00	74.7	
8	433	1	2	10	10	10	1.00	1.00	21.7	
9	3378	1	2	10	10	10	1.00	1.00	130.6	
10	10280	2	5	10	10	10	1.00	1.00	389.5	
11	5369	1	3	10	10	10	1.00	1.00	204.2	
12	3612	1	2	10	10	10	1.00	1.00	138.9	
13	6121	1	3	10	10	10	1.00	1.00	231.7	
14	10360	2	5	10	10	10	1.00	1.00	392.5	
15	4951	1	3	10	10	10	1.00	1.00	188.6	
16	3253	1	2	10	10	10	1.00	1.00	125.5	
17	6352	1	3	10	10	10	1.00	1.00	240.2	

ASTA NUM. 120 NI 137 NF 127 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	3486	-2	-4	0	-2	3	127.3	6.6	0.4	0.0	133.9	6	
1E	0	3610	-2	-4	0	-2	3	131.8	6.6	0.4	0.0	138.4	6	
1I	0	3465	-3	-4	0	-2	3	126.5	6.9	0.4	0.0	133.4	6	
1M	0	3631	-3	-4	0	-2	3	132.6	6.9	0.4	0.0	139.5	6	
2	0	6416	-15	-10	0	-3	6	234.2	14.9	1.5	0.0	249.2	6	
3	0	3248	-9	-6	0	-2	4	118.6	8.9	0.9	0.0	127.5	6	
4	0	2358	-9	-5	0	-1	3	86.1	8.2	0.8	0.0	94.3	6	
5	0	3592	-9	-6	0	-2	4	131.1	8.9	0.9	0.0	140.1	6	
6	0	6009	-6	-8	0	-3	4	219.4	11.7	0.8	0.0	231.1	6	
7	0	2628	-4	-4	0	-2	3	95.9	6.7	0.4	0.0	102.6	6	
8	0	1987	-3	-4	0	-1	2	72.5	6.1	0.4	0.0	78.6	6	
9	0	3477	-4	-5	0	-2	3	126.9	7.0	0.5	0.0	133.9	6	
10	0	10650	-15	-11	0	-3	7	388.8	16.7	1.5	0.0	405.5	6	
11	0	5826	-9	-6	0	-2	4	212.7	9.9	0.9	0.0	222.6	6	
12	0	4855	-9	-5	0	-1	4	177.3	9.2	0.8	0.0	186.4	6	
13	0	6146	-9	-6	0	-2	4	224.4	10.0	0.9	0.0	234.3	6	
14	0	10810	-6	-8	0	-3	5	394.7	13.7	0.8	0.0	408.4	6	
15	0	5582	-4	-4	0	-2	3	203.8	7.7	0.4	0.0	211.5	6	
16	0	4754	-3	-4	0	-1	3	173.6	7.0	0.3	0.0	180.6	6	
17	0	6336	-4	-5	0	-2	3	231.3	8.0	0.5	0.0	239.3	6	
1A	19	3490	-3	-4	0	-1	2	127.4	4.8	0.4	0.0	132.2	6	
1E	19	3614	-3	-4	0	-1	2	131.9	4.8	0.4	0.0	136.8	6	
1I	19	3469	-4	-4	0	-1	2	126.7	4.7	0.4	0.0	131.4	6	
1M	19	3635	-4	-4	0	-1	2	132.7	4.7	0.4	0.0	137.4	6	
2	19	6421	-21	-11	0	-1	3	234.4	5.9	2.0	0.0	240.3	6	
3	19	3251	-13	-6	0	-0	2	118.7	3.4	1.3	0.0	122.1	6	
4	19	2361	-12	-5	0	-0	1	86.2	3.1	1.2	0.0	89.3	6	
5	19	3595	-13	-7	0	-0	2	131.2	3.5	1.2	0.0	134.7	6	
6	19	6015	-9	-8	0	-1	3	219.6	7.3	0.9	0.0	226.9	6	
7	19	2632	-5	-4	0	-1	2	96.1	4.2	0.5	0.0	100.2	6	
8	19	1990	-5	-4	0	-1	2	72.7	3.9	0.5	0.0	76.6	6	
9	19	3481	-5	-5	0	-1	2	127.1	4.3	0.5	0.0	131.4	6	
10	19	10655	-21	-11	0	-1	3	389.0	7.5	2.1	0.0	396.5	6	
11	19	5829	-13	-6	0	-0	2	212.8	4.4	1.3	0.0	217.2	6	
12	19	4858	-12	-6	0	-0	2	177.4	4.1	1.2	0.0	181.4	6	
13	19	6149	-13	-7	0	-0	2	224.5	4.4	1.3	0.0	228.9	6	
14	19	10820	-9	-8	0	-1	4	395.0	9.2	0.9	0.0	404.3	6	
15	19	5585	-5	-5	0	-1	2	203.9	5.2	0.5	0.0	209.1	6	
16	19	4757	-5	-4	0	-1	2	173.7	5.0	0.4	0.0	178.7	6	
17	19	6339	-5	-5	0	-1	2	231.5	5.4	0.5	0.0	236.8	6	
1A	39	3494	-5	-4	0	-0	1	127.6	2.6	0.4	0.0	130.2	6	
1E	39	3618	-5	-4	0	-0	1	132.1	2.6	0.4	0.0	134.7	6	
1I	39	3473	-6	-4	0	-0	1	126.8	2.1	0.5	0.0	128.9	6	
1M	39	3639	-6	-4	0	-0	1	132.9	2.1	0.5	0.0	135.0	6	
2	39	6425	-27	-11	0	1	-2	234.6	5.5	2.6	0.0	240.1	6	
3	39	3253	-16	-7	0	1	-1	118.8	3.5	1.6	0.0	122.3	6	
4	39	2363	-16	-6	0	1	-1	86.3	3.5	1.5	0.0	89.7	6	
5	39	3597	-16	-7	0	1	-1	131.3	3.5	1.6	0.0	134.9	6	
6	39	6020	-12	-8	0	0	1	219.8	2.3	1.1	0.0	222.1	6	
7	39	2635	-7	-5	0	0	1	96.2	1.3	0.7	0.0	97.5	6	
8	39	1993	-6	-4	0	0	1	72.8	1.1	0.6	0.0	73.9	6	
9	39	3484	-7	-5	0	0	1	127.2	1.5	0.7	0.0	128.7	6	
10	39	10660	-27	-12	0	1	-1	389.2	4.2	2.6	0.0	393.4	1	
11	39	5832	-16	-7	0	1	-1	212.9	2.6	1.6	0.0	215.6	6	
12	39	4861	-16	-6	0	1	-1	177.5	2.5	1.5	0.0	180.0	6	
13	39	6152	-16	-7	0	1	-1	224.6	2.7	1.6	0.0	227.3	1	
14	39	10830	-12	-8	0	0	2	395.4	4.1	1.2	0.0	399.5	6	
15	39	5589	-7	-5	0	0	1	204.1	2.3	0.7	0.0	206.3	6	
16	39	4761	-6	-4	0	-0	1	173.8	2.2	0.6	0.0	176.0	6	
17	39	6343	-7	-5	0	0	1	231.6	2.4	0.7	0.0	234.0	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	3494	1	2	10	10	10	1.00	1.00	133.9	
1E	3618	1	2	10	10	10	1.00	1.00	138.4	
1I	3473	1	2	10	10	10	1.00	1.00	133.2	
1M	3639	1	2	10	10	10	1.00	1.00	139.2	
2	6425	1	3	10	10	10	1.00	1.00	242.7	
3	3253	1	2	10	10	10	1.00	1.00	123.5	
4	2363	1	1	10	10	10	1.00	1.00	90.5	
5	3597	1	2	10	10	10	1.00	1.00	136.1	
6	6020	2	3	10	10	10	1.00	1.00	229.5	
7	2635	1	2	10	10	10	1.00	1.00	101.7	
8	1993	1	2	10	10	10	1.00	1.00	77.9	
9	3484	1	2	10	10	10	1.00	1.00	133.0	
10	10660	1	4	10	10	10	1.00	1.00	399.0	
11	5832	1	2	10	10	10	1.00	1.00	218.7	
12	4861	1	2	10	10	10	1.00	1.00	182.7	
13	6152	1	2	10	10	10	1.00	1.00	230.4	
14	10830	2	4	10	10	10	1.00	1.00	407.2	
15	5589	1	2	10	10	10	1.00	1.00	210.7	
16	4761	1	2	10	10	10	1.00	1.00	180.1	
17	6343	1	2	10	10	10	1.00	1.00	238.4	

ASTA NUM. 121 NI 162 NF 148 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

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

1A	0	14634	-1	2	0	1	1	1199.5	8.6	0.4	0.0	1208.1	6
1E	0	14706	-1	2	0	1	1	1205.4	8.6	0.4	0.0	1214.1	6
1I	0	14578	-2	2	0	1	1	1194.9	9.6	0.5	0.0	1204.5	6
1M	0	14762	-2	2	0	1	1	1210.0	9.6	0.5	0.0	1219.5	6
2	0	20020	-7	3	0	1	4	1641.0	32.1	1.6	0.0	1673.1	6
3	0	11880	-5	2	0	1	3	973.8	22.1	1.1	0.0	995.9	6
4	0	10950	-4	2	0	1	3	897.5	20.6	1.0	0.0	918.1	6
5	0	9715	-4	1	0	1	2	796.3	18.8	1.0	0.0	815.1	6
6	0	23890	-3	2	0	1	2	1958.2	16.9	0.7	0.0	1975.1	6
7	0	14000	-3	1	0	0	2	1147.5	13.5	0.7	0.0	1161.1	6
8	0	13260	-2	1	0	0	1	1086.9	11.5	0.5	0.0	1098.3	6
9	0	11740	-2	1	0	0	1	962.3	9.2	0.5	0.0	971.5	6
10	0	21730	-7	3	0	1	4	1781.1	32.7	1.7	0.0	1813.9	6
11	0	12830	-5	2	0	1	3	1051.6	22.3	1.2	0.0	1074.0	6
12	0	12020	-5	2	0	1	3	985.2	20.7	1.1	0.0	1005.9	6
13	0	10640	-5	2	0	1	3	872.1	19.3	1.1	0.0	891.4	6
14	0	23460	-4	2	0	1	2	1923.0	17.8	0.9	0.0	1940.7	6
15	0	13630	-3	1	0	0	2	1117.2	13.7	0.7	0.0	1130.9	6
16	0	12980	-3	1	0	0	1	1063.9	11.4	0.6	0.0	1075.3	6
17	0	11240	-3	1	0	0	1	921.3	9.7	0.6	0.0	931.0	6
1A	29	14639	-2	2	0	0	0	1199.9	3.3	0.5	0.0	1203.2	6
1E	29	14711	-2	2	0	0	0	1205.8	3.3	0.5	0.0	1209.1	6
1I	29	14583	-3	2	0	0	0	1195.4	3.4	0.6	0.0	1198.8	6
1M	29	14767	-3	2	0	0	0	1210.4	3.4	0.6	0.0	1213.8	6
2	29	20025	-12	3	0	0	1	1641.4	10.2	2.9	0.0	1651.6	6
3	29	11880	-8	2	0	0	1	973.8	7.1	1.9	0.0	980.9	6
4	29	10955	-8	2	0	0	1	898.0	6.4	1.8	0.0	904.3	6
5	29	9717	-8	2	0	0	1	796.4	4.8	1.8	0.0	801.2	6
6	29	23890	-5	2	0	0	1	1958.2	6.4	1.2	0.0	1964.6	6
7	29	14000	-4	1	0	0	1	1147.5	5.1	1.0	0.0	1152.6	6
8	29	13265	-4	1	0	0	1	1087.3	4.1	0.9	0.0	1091.4	6
9	29	11740	-4	1	0	0	0	962.3	2.1	0.8	0.0	964.4	6
10	29	21735	-13	3	0	0	1	1781.6	9.9	2.9	0.0	1791.5	6
11	29	12835	-8	2	0	0	1	1052.0	6.9	2.0	0.0	1059.0	6
12	29	12020	-8	2	0	0	1	985.2	6.1	1.9	0.0	991.4	6
13	29	10645	-8	2	0	0	1	872.5	4.7	1.9	0.0	877.3	6
14	29	23465	-6	2	0	0	1	1923.4	5.8	1.4	0.0	1929.2	6
15	29	13630	-5	1	0	0	1	1117.2	4.6	1.1	0.0	1121.8	6
16	29	12980	-4	1	0	0	0	1063.9	3.5	0.9	0.0	1067.4	6
17	29	11240	-4	1	0	0	0	921.3	1.8	0.9	0.0	923.1	6
1A	58	14644	-3	2	0	-1	-0	1200.3	4.6	0.7	0.0	1205.0	1
1E	58	14716	-3	2	0	-1	-0	1206.2	4.6	0.7	0.0	1210.9	1
1I	58	14588	-4	2	0	-0	-0	1195.8	4.4	0.8	0.0	1200.2	6
1M	58	14772	-4	2	0	-0	-0	1210.8	4.4	0.8	0.0	1215.2	6
2	58	20030	-18	3	0	-1	-3	1641.8	23.5	4.1	0.0	1665.3	6
3	58	11880	-12	2	0	-0	-2	973.8	15.1	2.7	0.0	988.9	6
4	58	10960	-11	2	0	-0	-2	898.4	15.1	2.6	0.0	913.5	6
5	58	9718	-11	2	0	-0	-2	796.6	16.5	2.6	0.0	813.1	6
6	58	23890	-7	3	0	-1	-1	1958.2	8.9	1.7	0.0	1967.1	6
7	58	14000	-6	2	0	-0	-1	1147.5	6.3	1.3	0.0	1153.9	6
8	58	13270	-5	2	0	-0	-1	1087.7	6.2	1.2	0.0	1093.9	6
9	58	11740	-5	1	0	-0	-1	962.3	7.9	1.2	0.0	970.2	6
10	58	21740	-18	3	0	-1	-3	1782.0	24.5	4.2	0.0	1806.5	6
11	58	12840	-12	2	0	-0	-2	1052.5	15.7	2.8	0.0	1068.2	6
12	58	12020	-11	2	0	-0	-2	985.2	15.8	2.7	0.0	1001.0	6
13	58	10650	-11	2	0	-1	-2	873.0	17.1	2.7	0.0	890.1	6
14	58	23470	-8	3	0	-1	-1	1923.8	11.0	1.9	0.0	1934.8	6
15	58	13630	-6	2	0	-0	-1	1117.2	7.4	1.4	0.0	1124.6	6
16	58	12980	-5	2	0	-0	-1	1063.9	7.3	1.2	0.0	1071.3	6
17	58	11240	-5	1	0	-0	-1	921.3	9.0	1.2	0.0	930.3	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14644	0	0	34	22	22	1.00	1.00	1205.3	
1E	14716	0	0	34	22	22	1.00	1.00	1211.2	
1I	14588	0	0	34	22	22	1.00	1.00	1200.8	
1M	14772	0	0	34	22	22	1.00	1.00	1215.9	
2	20030	0	2	34	22	22	1.00	1.00	1656.4	
3	11880	0	1	34	22	22	1.00	1.00	983.6	
4	10960	0	1	34	22	22	1.00	1.00	907.6	
5	9718	0	1	34	22	22	1.00	1.00	805.0	
6	23890	0	1	34	22	22	1.00	1.00	1966.5	
7	14000	0	1	34	22	22	1.00	1.00	1154.2	
8	13270	0	1	34	22	22	1.00	1.00	1093.2	
9	11740	0	0	34	22	22	1.00	1.00	966.8	
10	21740	0	2	34	22	22	1.00	1.00	1796.8	
11	12840	0	1	34	22	22	1.00	1.00	1062.4	
12	12020	0	1	34	22	22	1.00	1.00	994.6	
13	10650	0	1	34	22	22	1.00	1.00	881.7	
14	23470	0	1	34	22	22	1.00	1.00	1932.4	
15	13630	0	1	34	22	22	1.00	1.00	1123.6	
16	12980	0	1	34	22	22	1.00	1.00	1069.3	
17	11240	0	0	34	22	22	1.00	1.00	926.0	

ASTA NUM. 122 NI 165 NF 143 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14472	2	-2	0	-1	1	1186.2	11.9	0.5	0.0	1198.1	6	
1E	0	14528	2	-2	0	-1	1	1190.8	11.9	0.5	0.0	1202.7	6	
1I	0	14415	2	-2	0	-1	2	1181.5	13.0	0.5	0.0	1194.5	6	
1M	0	14585	2	-2	0	-1	2	1195.5	13.0	0.5	0.0	1208.5	6	
2	0	19830	1	-3	0	-1	4	1625.4	32.6	0.6	0.0	1658.0	6	
3	0	12340	-0	-2	0	-0	3	1011.5	18.9	0.4	0.0	1030.4	6	
4	0	10810	0	-1	0	-0	3	886.1	19.3	0.3	0.0	905.4	6	
5	0	9410	1	-1	0	-0	3	771.3	19.3	0.3	0.0	790.6	6	
6	0	23620	3	-3	0	-1	3	1936.1	22.8	0.8	0.0	1958.9	6	
7	0	14730	1	-2	0	-1	1	1207.4	12.1	0.5	0.0	1219.5	6	
8	0	13050	2	-2	0	-1	2	1069.7	13.0	0.4	0.0	1082.7	6	
9	0	11310	2	-2	0	-1	2	927.0	13.1	0.5	0.0	940.1	6	
10	0	21450	1	-3	0	-1	4	1758.2	33.4	0.7	0.0	1791.6	6	
11	0	13240	0	-2	0	-0	3	1085.2	19.4	0.4	0.0	1104.6	6	
12	0	11910	1	-1	0	-0	3	976.2	19.9	0.3	0.0	996.1	6	
13	0	10260	1	-1	0	-0	3	841.0	19.6	0.3	0.0	860.6	6	
14	0	23210	3	-3	0	-1	3	1902.5	22.4	0.8	0.0	1924.9	6	
15	0	14370	1	-2	0	-1	1	1177.9	11.7	0.5	0.0	1189.6	6	
16	0	12900	2	-2	0	-1	2	1057.4	12.8	0.4	0.0	1070.1	6	
17	0	10780	2	-2	0	-1	2	883.6	12.4	0.5	0.0	896.1	6	
1A	29	14477	1	-2	0	0	2	1186.6	13.7	0.5	0.0	1200.3	6	
1E	29	14533	1	-2	0	0	2	1191.2	13.7	0.5	0.0	1205.0	6	
1I	29	14420	1	-2	0	0	2	1182.0	13.9	0.5	0.0	1195.9	6	
1M	29	14590	1	-2	0	0	2	1195.9	13.9	0.5	0.0	1209.8	6	
2	29	19830	-5	-2	0	0	4	1625.4	27.0	1.1	0.0	1652.4	6	
3	29	12340	-3	-1	0	0	2	1011.5	14.6	0.8	0.0	1026.1	6	
4	29	10815	-3	-1	0	0	2	886.5	15.5	0.7	0.0	902.0	6	
5	29	9412	-3	-1	0	0	2	771.4	16.3	0.6	0.0	787.8	6	
6	29	23625	1	-3	0	0	3	1936.5	24.1	0.8	0.0	1960.5	6	
7	29	14730	-0	-2	0	0	2	1207.4	11.8	0.5	0.0	1219.2	6	
8	29	13050	0	-2	0	-0	2	1069.7	13.6	0.4	0.0	1083.3	6	
9	29	11315	1	-2	0	-0	2	927.5	14.9	0.4	0.0	942.3	6	
10	29	21450	-4	-3	0	0	4	1758.2	28.7	1.0	0.0	1786.9	6	
11	29	13240	-3	-2	0	0	2	1085.2	15.7	0.7	0.0	1100.9	6	
12	29	11910	-3	-1	0	0	2	976.2	16.7	0.7	0.0	992.9	6	
13	29	10260	-2	-1	0	0	2	841.0	17.2	0.6	0.0	858.2	6	
14	29	23210	1	-3	0	0	3	1902.5	24.4	0.8	0.0	1926.9	6	
15	29	14370	0	-2	0	0	2	1177.9	12.0	0.5	0.0	1189.8	6	
16	29	12905	1	-2	0	-0	2	1057.8	13.9	0.4	0.0	1071.7	6	
17	29	10780	1	-2	0	-0	2	883.6	14.6	0.4	0.0	898.2	6	
1A	58	14482	0	-2	0	1	2	1187.0	16.6	0.5	0.0	1203.6	6	
1E	58	14538	0	-2	0	1	2	1191.7	16.6	0.5	0.0	1208.2	6	
1I	58	14425	-0	-2	0	1	2	1182.4	16.2	0.5	0.0	1198.6	6	
1M	58	14595	-0	-2	0	1	2	1196.3	16.2	0.5	0.0	1212.5	6	
2	58	19830	-10	-2	0	1	2	1625.4	12.9	2.4	0.0	1638.3	6	
3	58	12340	-7	-1	0	0	1	1011.5	4.9	1.6	0.0	1016.4	6	
4	58	10820	-7	-1	0	0	1	886.9	6.1	1.5	0.0	893.0	6	
5	58	9413	-6	-1	0	0	1	771.6	7.8	1.4	0.0	779.4	6	
6	58	23630	-2	-3	0	1	3	1936.9	25.7	0.8	0.0	1962.6	6	
7	58	14730	-2	-2	0	1	1	1207.4	11.6	0.5	0.0	1219.0	6	
8	58	13050	-1	-2	0	0	2	1069.7	13.9	0.4	0.0	1083.5	6	
9	58	11320	-1	-2	0	0	2	927.9	16.2	0.4	0.0	944.0	6	
10	58	21450	-10	-2	0	1	2	1758.2	15.8	2.3	0.0	1774.0	6	
11	58	13240	-7	-1	0	1	1	1085.2	6.7	1.5	0.0	1092.0	6	
12	58	11910	-6	-1	0	0	1	976.2	8.1	1.5	0.0	984.3	6	
13	58	10260	-6	-1	0	0	1	841.0	9.3	1.4	0.0	850.3	6	
14	58	23210	-1	-3	0	1	3	1902.5	26.5	0.7	0.0	1929.0	6	
15	58	14370	-1	-2	0	1	1	1177.9	12.2	0.5	0.0	1190.0	6	
16	58	12910	-1	-2	0	0	2	1058.2	14.7	0.4	0.0	1072.9	6	
17	58	10780	-0	-2	0	0	2	883.6	16.1	0.4	0.0	899.7	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	

1A	14482	0	2	34	22	22	1.00	1.00	1202.0
1E	14538	0	2	34	22	22	1.00	1.00	1206.6
1I	14425	0	2	34	22	22	1.00	1.00	1197.5
1M	14595	0	2	34	22	22	1.00	1.00	1211.4
2	19830	0	3	34	22	22	1.00	1.00	1650.5
3	12340	0	2	34	22	22	1.00	1.00	1025.1
4	10820	0	2	34	22	22	1.00	1.00	901.0
5	9413	0	2	34	22	22	1.00	1.00	786.3
6	23630	0	3	34	22	22	1.00	1.00	1961.7
7	14730	0	1	34	22	22	1.00	1.00	1219.6
8	13050	0	2	34	22	22	1.00	1.00	1083.4
9	11320	0	2	34	22	22	1.00	1.00	943.1
10	21450	0	3	34	22	22	1.00	1.00	1785.0
11	13240	0	2	34	22	22	1.00	1.00	1099.9
12	11910	0	2	34	22	22	1.00	1.00	991.5
13	10260	0	2	34	22	22	1.00	1.00	856.6
14	23210	0	3	34	22	22	1.00	1.00	1927.6
15	14370	0	1	34	22	22	1.00	1.00	1190.1
16	12910	0	2	34	22	22	1.00	1.00	1072.3
17	10780	0	2	34	22	22	1.00	1.00	898.5

ASTA NUM. 123 NI 163 NF 149 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14984	-1	-1	0	-0	1	1228.2	7.3	0.2	0.0	1235.5	6	
1E	0	15056	-1	-1	0	-0	1	1234.1	7.3	0.2	0.0	1241.4	6	
1I	0	14928	-1	-1	0	-0	1	1223.6	8.4	0.4	0.0	1232.1	6	
1M	0	15112	-1	-1	0	-0	1	1238.7	8.4	0.4	0.0	1247.1	6	
2	0	20670	-6	-2	0	-1	4	1694.3	30.7	1.4	0.0	1725.0	6	
3	0	12360	-4	-1	0	-1	2	1013.1	19.0	0.8	0.0	1032.1	6	
4	0	11730	-3	-1	0	-1	2	961.5	18.3	0.8	0.0	979.8	6	
5	0	12670	-3	-1	0	-1	2	1038.5	17.6	0.8	0.0	1056.1	6	
6	0	24260	-2	-2	0	-1	2	1988.5	15.6	0.6	0.0	2004.2	6	
7	0	14350	-1	-1	0	-1	1	1176.2	9.3	0.3	0.0	1185.5	6	
8	0	14060	-1	-1	0	-0	1	1152.5	9.0	0.3	0.0	1161.4	6	
9	0	15250	-1	-1	0	-1	1	1250.0	8.1	0.3	0.0	1258.1	6	
10	0	22200	-7	-3	0	-1	4	1819.7	31.6	1.5	0.0	1851.2	6	
11	0	13200	-4	-2	0	-1	2	1082.0	19.4	0.9	0.0	1101.3	6	
12	0	12500	-4	-2	0	-1	2	1024.6	18.4	0.9	0.0	1043.0	6	
13	0	13620	-3	-2	0	-1	2	1116.4	18.3	0.8	0.0	1134.7	6	
14	0	23840	-3	-2	0	-1	2	1954.1	16.5	0.7	0.0	1970.6	6	
15	0	13980	-1	-1	0	-1	1	1145.9	9.4	0.3	0.0	1155.3	6	
16	0	13490	-1	-1	0	-0	1	1105.7	8.6	0.3	0.0	1114.3	6	
17	0	14970	-1	-1	0	-0	1	1227.0	8.6	0.3	0.0	1235.7	6	
1A	29	14984	-2	-1	0	-0	0	1228.2	3.6	0.4	0.0	1231.8	6	
1E	29	15056	-2	-1	0	-0	0	1234.1	3.6	0.4	0.0	1237.7	6	
1I	29	14928	-2	-1	0	-0	0	1223.6	3.6	0.5	0.0	1227.2	6	
1M	29	15112	-2	-1	0	-0	0	1238.7	3.6	0.5	0.0	1242.2	6	
2	29	20675	-12	-3	0	-0	1	1694.7	10.3	2.7	0.0	1705.0	6	
3	29	12360	-7	-2	0	-0	1	1013.1	6.8	1.6	0.0	1020.0	6	
4	29	11730	-7	-2	0	-0	1	961.5	6.2	1.6	0.0	967.7	6	
5	29	12670	-7	-2	0	-0	1	1038.5	6.1	1.6	0.0	1044.6	6	
6	29	24265	-5	-2	0	-0	1	1988.9	6.4	1.1	0.0	1995.4	6	
7	29	14350	-2	-1	0	-0	1	1176.2	4.5	0.6	0.0	1180.8	6	
8	29	14065	-3	-1	0	-0	1	1152.9	3.9	0.6	0.0	1156.7	6	
9	29	15255	-2	-1	0	-0	0	1250.4	3.7	0.5	0.0	1254.1	6	
10	29	22200	-12	-3	0	-0	1	1819.7	10.0	2.8	0.0	1829.7	6	
11	29	13200	-7	-2	0	-0	1	1082.0	6.6	1.7	0.0	1088.6	6	
12	29	12500	-7	-2	0	-0	1	1024.6	5.9	1.7	0.0	1030.5	6	
13	29	13620	-7	-2	0	-0	1	1116.4	6.2	1.6	0.0	1122.6	6	
14	29	23845	-5	-2	0	-0	1	1954.5	5.8	1.2	0.0	1960.3	6	
15	29	13980	-3	-1	0	-0	1	1145.9	4.1	0.6	0.0	1150.0	6	
16	29	13495	-3	-1	0	-0	0	1106.1	3.2	0.6	0.0	1109.3	6	
17	29	14970	-3	-1	0	-0	0	1227.0	3.7	0.6	0.0	1230.7	6	
1A	58	14984	-3	-1	0	0	-0	1228.2	1.7	0.6	0.0	1229.9	6	
1E	58	15056	-3	-1	0	0	-0	1234.1	1.7	0.6	0.0	1235.8	6	
1I	58	14928	-3	-1	0	0	-0	1223.6	3.0	0.7	0.0	1226.6	6	
1M	58	15112	-3	-1	0	0	-0	1238.7	3.0	0.7	0.0	1241.6	6	
2	58	20680	-17	-3	0	1	-3	1695.1	21.8	4.0	0.0	1716.9	6	
3	58	12360	-10	-2	0	0	-2	1013.1	12.6	2.4	0.0	1025.8	6	
4	58	11730	-10	-2	0	0	-2	961.5	13.2	2.4	0.0	974.7	6	
5	58	12670	-10	-2	0	0	-2	1038.5	12.8	2.4	0.0	1051.3	6	
6	58	24270	-7	-3	0	1	-1	1989.3	7.5	1.6	0.0	1996.9	6	
7	58	14350	-4	-1	0	0	-0	1176.2	3.1	0.9	0.0	1179.4	6	
8	58	14070	-4	-1	0	0	-0	1153.3	4.2	0.9	0.0	1157.5	6	
9	58	15260	-4	-1	0	0	-0	1250.8	3.6	0.9	0.0	1254.4	6	
10	58	22200	-17	-3	0	1	-3	1819.7	23.2	4.1	0.0	1842.9	6	
11	58	13200	-11	-2	0	0	-2	1082.0	13.4	2.5	0.0	1095.4	6	
12	58	12500	-10	-2	0	0	-2	1024.6	13.9	2.5	0.0	1038.5	6	
13	58	13620	-10	-2	0	0	-2	1116.4	13.3	2.4	0.0	1129.7	6	
14	58	23850	-8	-3	0	1	-1	1954.9	9.7	1.8	0.0	1964.6	6	
15	58	13980	-4	-1	0	0	-0	1145.9	4.2	1.0	0.0	1150.1	6	
16	58	13500	-4	-1	0	0	-1	1106.6	5.1	1.0	0.0	1111.7	6	
17	58	14970	-4	-1	0	0	-0	1227.0	4.2	0.9	0.0	1231.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14984	0	0	34	22	22	1.00	1.00	1232.7	
1E	15056	0	0	34	22	22	1.00	1.00	1238.7	
1I	14928	0	0	34	22	22	1.00	1.00	1228.3	
1M	15112	0	0	34	22	22	1.00	1.00	1243.3	
2	20680	0	2	34	22	22	1.00	1.00	1709.1	
3	12360	0	1	34	22	22	1.00	1.00	1021.8	
4	11730	0	1	34	22	22	1.00	1.00	969.8	
5	12670	0	1	34	22	22	1.00	1.00	1046.6	
6	24270	0	1	34	22	22	1.00	1.00	1997.4	
7	14350	0	1	34	22	22	1.00	1.00	1181.5	
8	14070	0	0	34	22	22	1.00	1.00	1158.0	
9	15260	0	0	34	22	22	1.00	1.00	1255.2	
10	22200	0	2	34	22	22	1.00	1.00	1834.1	
11	13200	0	1	34	22	22	1.00	1.00	1090.8	
12	12500	0	1	34	22	22	1.00	1.00	1033.0	
13	13620	0	1	34	22	22	1.00	1.00	1124.8	
14	23850	0	1	34	22	22	1.00	1.00	1963.0	
15	13980	0	0	34	22	22	1.00	1.00	1150.8	
16	13500	0	0	34	22	22	1.00	1.00	1110.8	
17	14970	0	0	34	22	22	1.00	1.00	1231.5	

ASTA NUM. 124 NI 164 NF 141 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14692	2	2	0	1	2	1204.2	12.9	0.6	0.0	1217.1	6	
1E	0	14748	2	2	0	1	2	1208.9	12.9	0.6	0.0	1221.7	6	
1I	0	14635	1	2	0	1	2	1199.6	13.7	0.5	0.0	1213.2	6	
1M	0	14805	1	2	0	1	2	1213.5	13.7	0.5	0.0	1227.2	6	
2	0	20160	0	3	0	1	4	1652.5	33.3	0.6	0.0	1685.8	6	
3	0	11550	-0	2	0	0	3	946.7	20.4	0.4	0.0	967.1	6	
4	0	11470	0	2	0	0	3	940.2	20.1	0.4	0.0	960.3	6	
5	0	12570	0	2	0	0	3	1030.3	20.7	0.4	0.0	1051.0	6	
6	0	23730	3	3	0	1	3	1945.1	23.4	0.8	0.0	1968.5	6	
7	0	13240	1	2	0	1	2	1085.2	14.2	0.4	0.0	1099.4	6	
8	0	13830	1	2	0	1	2	1133.6	13.9	0.5	0.0	1147.5	6	
9	0	15210	2	2	0	1	2	1246.7	14.7	0.5	0.0	1261.4	6	
10	0	21740	1	3	0	1	5	1782.0	34.0	0.7	0.0	1815.9	6	
11	0	12420	0	2	0	0	3	1018.0	20.8	0.4	0.0	1038.8	6	
12	0	12180	0	2	0	0	3	998.4	20.5	0.4	0.0	1018.9	6	
13	0	13580	0	2	0	0	3	1113.1	21.1	0.4	0.0	1134.2	6	
14	0	23320	3	3	0	1	3	1911.5	23.0	0.8	0.0	1934.5	6	
15	0	12870	1	2	0	1	2	1054.9	13.8	0.4	0.0	1068.7	6	
16	0	13120	2	2	0	1	2	1075.4	13.5	0.5	0.0	1088.9	6	
17	0	14980	2	2	0	0	2	1227.9	14.3	0.5	0.0	1242.1	6	
1A	29	14697	1	2	0	0	2	1204.7	13.8	0.6	0.0	1218.5	6	
1E	29	14753	1	2	0	0	2	1209.3	13.8	0.6	0.0	1223.1	6	
1I	29	14640	1	2	0	-0	2	1200.0	14.0	0.5	0.0	1214.0	6	
1M	29	14810	1	2	0	-0	2	1213.9	14.0	0.5	0.0	1228.0	6	
2	29	20165	-5	2	0	-0	4	1652.9	27.5	1.2	0.0	1680.3	6	
3	29	11550	-3	1	0	-0	2	946.7	16.2	0.8	0.0	962.9	6	
4	29	11470	-3	1	0	-0	2	940.2	16.2	0.8	0.0	956.3	6	
5	29	12575	-3	1	0	-0	2	1030.7	17.2	0.8	0.0	1047.9	6	
6	29	23735	0	3	0	-0	3	1945.5	24.4	0.8	0.0	1969.9	6	
7	29	13240	-0	2	0	-0	2	1085.2	14.0	0.4	0.0	1099.3	6	
8	29	13835	0	2	0	-0	2	1134.0	14.3	0.5	0.0	1148.3	6	
9	29	15215	0	2	0	-0	2	1247.1	15.4	0.5	0.0	1262.6	6	
10	29	21745	-4	3	0	-0	4	1782.4	29.0	1.1	0.0	1811.4	6	
11	29	12420	-3	1	0	-0	2	1018.0	17.1	0.7	0.0	1035.2	6	
12	29	12185	-3	2	0	-0	2	998.8	17.0	0.7	0.0	1015.8	6	
13	29	13580	-3	2	0	-0	2	1113.1	17.9	0.7	0.0	1131.0	6	
14	29	23320	1	3	0	-0	3	1911.5	24.8	0.8	0.0	1936.3	6	

15	29	12875	0	2	0	-0	2	1055.3	14.2	0.4	0.0	1069.5	6
16	29	13120	0	2	0	-0	2	1075.4	14.3	0.5	0.0	1089.7	6
17	29	14980	0	2	0	-0	2	1227.9	15.2	0.5	0.0	1243.1	6
1A	58	14702	0	2	0	-1	2	1205.1	16.6	0.6	0.0	1221.6	6
1E	58	14758	0	2	0	-1	2	1209.7	16.6	0.6	0.0	1226.3	6
1I	58	14645	-0	2	0	-1	2	1200.4	16.2	0.5	0.0	1216.6	6
1M	58	14815	-0	2	0	-1	2	1214.4	16.2	0.5	0.0	1230.6	6
2	58	20170	-10	2	0	-1	2	1653.3	13.0	2.4	0.0	1666.3	6
3	58	11550	-7	1	0	-0	1	946.7	6.4	1.6	0.0	953.1	6
4	58	11470	-7	1	0	-1	1	940.2	6.5	1.6	0.0	946.7	6
5	58	12580	-7	1	0	-1	1	1031.1	7.8	1.6	0.0	1039.0	6
6	58	23740	-2	3	0	-1	3	1945.9	25.7	0.8	0.0	1971.6	6
7	58	13240	-1	2	0	-1	2	1085.2	13.8	0.4	0.0	1099.0	6
8	58	13840	-1	2	0	-1	2	1134.4	14.5	0.5	0.0	1148.9	6
9	58	15220	-1	2	0	-1	2	1247.5	16.0	0.5	0.0	1263.5	6
10	58	21750	-10	2	0	-1	2	1782.8	15.8	2.3	0.0	1798.6	6
11	58	12420	-7	1	0	-0	1	1018.0	8.1	1.5	0.0	1026.1	6
12	58	12190	-7	1	0	-1	1	999.2	8.1	1.5	0.0	1007.3	6
13	58	13580	-6	1	0	-1	1	1113.1	9.1	1.5	0.0	1122.2	6
14	58	23320	-1	3	0	-1	3	1911.5	26.6	0.7	0.0	1938.1	6
15	58	12880	-1	2	0	-1	2	1055.7	14.3	0.4	0.0	1070.1	6
16	58	13120	-1	2	0	-1	2	1075.4	14.9	0.4	0.0	1090.3	6
17	58	14980	-1	2	0	-1	2	1227.9	15.8	0.5	0.0	1243.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14702	0	2	34	22	22	1.00	1.00	1220.4	
1E	14758	0	2	34	22	22	1.00	1.00	1225.0	
1I	14645	0	2	34	22	22	1.00	1.00	1215.7	
1M	14815	0	2	34	22	22	1.00	1.00	1229.7	
2	20170	0	3	34	22	22	1.00	1.00	1679.0	
3	11550	0	2	34	22	22	1.00	1.00	961.8	
4	11470	0	2	34	22	22	1.00	1.00	955.3	
5	12580	0	2	34	22	22	1.00	1.00	1047.2	
6	23740	0	3	34	22	22	1.00	1.00	1971.0	
7	13240	0	2	34	22	22	1.00	1.00	1099.4	
8	13840	0	2	34	22	22	1.00	1.00	1149.0	
9	15220	0	2	34	22	22	1.00	1.00	1263.4	
10	21750	0	3	34	22	22	1.00	1.00	1810.0	
11	12420	0	2	34	22	22	1.00	1.00	1034.0	
12	12190	0	2	34	22	22	1.00	1.00	1015.2	
13	13580	0	2	34	22	22	1.00	1.00	1129.9	
14	23320	0	3	34	22	22	1.00	1.00	1936.9	
15	12880	0	2	34	22	22	1.00	1.00	1070.0	
16	13120	0	2	34	22	22	1.00	1.00	1090.0	
17	14980	0	2	34	22	22	1.00	1.00	1243.4	

ASTA NUM. 125 NI 130 NF 150 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4759 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-10286	-4	-4	0	-1	-3	375.5	6.5	0.4	0.0	382.0	6	
1E	0	-10074	-4	-4	0	-1	-3	367.8	6.5	0.4	0.0	374.3	6	
1I	0	-10281	-4	-4	0	-1	-2	375.4	6.4	0.4	0.0	381.7	6	
1M	0	-10079	-4	-4	0	-1	-2	368.0	6.4	0.4	0.0	374.3	6	
2	0	-12780	3	-6	0	-2	-6	466.6	14.1	0.5	0.0	480.7	6	
3	0	-3717	8	-2	0	-1	-5	135.7	11.0	0.8	0.0	146.7	6	
4	0	-5976	5	-3	0	-1	-4	218.2	9.3	0.5	0.0	227.5	6	
5	0	-3695	3	-3	0	-1	-3	134.9	7.6	0.3	0.0	142.5	6	
6	0	-16240	-4	-8	0	-2	-5	592.9	11.8	0.7	0.0	604.7	6	
7	0	-3695	6	-3	0	-1	-5	134.9	10.5	0.6	0.0	145.4	6	
8	0	-7751	1	-4	0	-1	-3	283.0	8.3	0.4	0.0	291.3	6	
9	0	-4846	-1	-4	0	-1	-2	176.9	6.1	0.4	0.0	183.1	6	
10	0	-11100	4	-6	0	-2	-6	405.3	15.0	0.6	0.0	420.2	6	
11	0	-2973	8	-2	0	-1	-5	108.5	11.3	0.8	0.0	119.9	6	
12	0	-4872	5	-3	0	-1	-4	177.9	9.6	0.5	0.0	187.5	6	
13	0	-2625	4	-3	0	-1	-4	95.8	8.3	0.4	0.0	104.2	6	
14	0	-11220	-1	-7	0	-2	-5	409.6	12.5	0.7	0.0	422.2	6	
15	0	-831	8	-2	0	-1	-5	30.3	10.8	0.8	0.0	41.1	6	
16	0	-4518	2	-4	0	-1	-4	165.0	8.3	0.3	0.0	173.2	6	
17	0	-1718	2	-4	0	-1	-3	62.7	6.9	0.4	0.0	69.6	6	
1A	19	-10286	-5	-4	0	-1	-3	375.5	7.7	0.5	0.0	383.3	6	
1E	19	-10074	-5	-4	0	-1	-3	367.8	7.7	0.5	0.0	375.5	6	
1I	19	-10281	-6	-4	0	-1	-3	375.4	7.7	0.5	0.0	383.0	6	
1M	19	-10079	-6	-4	0	-1	-3	368.0	7.7	0.5	0.0	375.6	6	
2	19	-12770	6	-5	0	-1	-5	466.2	11.3	0.6	0.0	477.5	6	
3	19	-3712	10	-2	0	-0	-3	135.5	6.9	1.0	0.0	142.5	6	
4	19	-5972	7	-2	0	-0	-3	218.0	6.5	0.7	0.0	224.6	6	
5	19	-3690	5	-3	0	-0	-2	134.7	5.5	0.5	0.0	140.2	6	
6	19	-16235	-5	-7	0	-1	-6	592.7	12.5	0.7	0.0	605.3	6	
7	19	-3692	6	-3	0	-1	-3	134.8	7.6	0.6	0.0	142.3	6	
8	19	-7748	1	-4	0	-0	-3	282.9	7.3	0.4	0.0	290.2	6	
9	19	-4842	-1	-4	0	-1	-3	176.8	6.0	0.4	0.0	182.7	6	
10	19	-11090	7	-5	0	-1	-5	404.9	11.9	0.7	0.0	416.8	6	
11	19	-2968	10	-2	0	-0	-3	108.4	7.2	1.0	0.0	115.6	6	
12	19	-4868	7	-3	0	-0	-3	177.7	6.8	0.7	0.0	184.5	6	
13	19	-2621	6	-3	0	-0	-3	95.7	5.8	0.6	0.0	101.5	6	
14	19	-11215	-2	-7	0	-1	-5	409.5	12.0	0.7	0.0	421.5	6	
15	19	-827	8	-2	0	-0	-3	30.2	7.2	0.7	0.0	37.4	6	
16	19	-4515	2	-3	0	-0	-3	164.8	6.9	0.3	0.0	171.7	6	
17	19	-1715	1	-4	0	-1	-3	62.6	5.7	0.4	0.0	68.3	6	
1A	39	-10286	-6	-4	0	0	-5	375.5	9.7	0.6	0.0	385.2	6	
1E	39	-10074	-6	-4	0	0	-5	367.8	9.7	0.6	0.0	377.5	6	
1I	39	-10281	-7	-4	0	0	-5	375.4	9.9	0.6	0.0	385.3	6	
1M	39	-10079	-7	-4	0	0	-5	368.0	9.9	0.6	0.0	377.9	6	
2	39	-12760	9	-4	0	0	-4	465.9	8.0	0.9	0.0	473.9	6	
3	39	-3708	12	-1	0	-0	-1	135.4	2.3	1.1	0.0	137.6	6	
4	39	-5968	8	-2	0	0	-2	217.9	3.2	0.8	0.0	221.1	6	
5	39	-3686	7	-2	0	0	-1	134.6	2.7	0.7	0.0	137.3	6	
6	39	-16230	-5	-7	0	1	-7	592.6	14.4	0.7	0.0	607.0	6	
7	39	-3688	6	-3	0	-0	-2	134.6	4.8	0.6	0.0	139.4	6	
8	39	-7744	1	-4	0	0	-3	282.7	6.9	0.4	0.0	289.6	6	
9	39	-4838	-2	-4	0	0	-3	176.6	6.3	0.4	0.0	182.9	6	
10	39	-11080	9	-5	0	0	-4	404.5	8.4	0.9	0.0	412.9	6	
11	39	-2964	12	-2	0	-0	-1	108.2	2.5	1.1	0.0	110.7	6	
12	39	-4863	8	-2	0	0	-2	177.5	3.6	0.8	0.0	181.1	6	
13	39	-2617	8	-2	0	0	-1	95.5	2.8	0.7	0.0	98.4	6	
14	39	-11210	-2	-7	0	1	-6	409.3	12.8	0.7	0.0	422.1	6	
15	39	-823	7	-2	0	-0	-2	30.1	3.8	0.7	0.0	33.8	6	
16	39	-4511	2	-3	0	0	-3	164.7	5.9	0.3	0.0	170.6	6	
17	39	-1711	1	-4	0	0	-2	62.5	5.0	0.3	0.0	67.4	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-10286	1	4	10	10	10	1.00	1.00	385.0	
1E	-10074	1	4	10	10	10	1.00	1.00	377.2	
1I	-10281	1	4	10	10	10	1.00	1.00	384.8	
1M	-10079	1	4	10	10	10	1.00	1.00	377.4	
2	-12780	1	5	10	10	10	1.00	1.00	479.2	
3	-3717	1	3	10	10	10	1.00	1.00	143.8	
4	-5976	0	3	10	10	10	1.00	1.00	225.6	
5	-3695	1	2	10	10	10	1.00	1.00	141.3	
6	-16240	1	6	10	10	10	1.00	1.00	607.7	
7	-3695	1	4	10	10	10	1.00	1.00	144.0	
8	-7751	1	3	10	10	10	1.00	1.00	291.4	
9	-4846	1	3	10	10	10	1.00	1.00	184.2	
10	-11100	1	5	10	10	10	1.00	1.00	418.4	
11	-2973	0	4	10	10	10	1.00	1.00	117.0	
12	-4872	0	3	10	10	10	1.00	1.00	185.6	
13	-2625	1	3	10	10	10	1.00	1.00	102.6	
14	-11220	1	6	10	10	10	1.00	1.00	423.4	
15	-831	1	4	10	10	10	1.00	1.00	39.0	
16	-4518	1	3	10	10	10	1.00	1.00	172.9	
17	-1718	1	3	10	10	10	1.00	1.00	69.5	

ASTA NUM. 126 NI 133 NF 151 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-14.4449	-3.6112	--	--	5.5803	-12.4759 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13046	-7	6	0	2	-2	476.3	5.5	0.7	0.0	481.9	6	
1E	0	-12834	-7	6	0	2	-2	468.6	5.5	0.7	0.0	474.1	6	
1I	0	-13041	-8	6	0	2	-2	476.1	5.3	0.7	0.0	481.4	6	
1M	0	-12839	-8	6	0	2	-2	468.7	5.3	0.7	0.0	474.0	6	
2	0	-17540	-2	6	0	2	-5	640.4	12.2	0.6	0.0	652.6	6	
3	0	-14630	-3	4	0	1	-3	534.1	7.3	0.4	0.0	541.4	6	

4	0	-10960	-2	4	0	1	-3	400.1	6.4	0.4	0.0	406.6	6
5	0	-12020	-5	4	0	1	-2	438.8	5.6	0.5	0.0	444.4	6
6	0	-20260	-9	8	0	2	-4	739.7	10.2	0.9	0.0	749.9	6
7	0	-18550	-9	5	0	1	-2	677.3	5.6	0.8	0.0	682.9	6
8	0	-12840	-7	5	0	1	-2	468.8	5.2	0.7	0.0	474.0	6
9	0	-13970	-10	5	0	1	-1	510.0	4.0	1.0	0.0	514.1	6
10	0	-14780	-0	6	0	2	-6	539.6	13.5	0.6	0.0	553.1	6
11	0	-13210	-2	4	0	1	-3	482.3	7.9	0.4	0.0	490.2	6
12	0	-9438	-2	4	0	1	-3	344.6	6.7	0.4	0.0	351.3	6
13	0	-11160	-4	4	0	1	-3	407.4	6.4	0.4	0.0	413.8	6
14	0	-15240	-6	8	0	2	-4	556.4	10.9	0.8	0.0	567.3	6
15	0	-15680	-7	5	0	1	-2	572.5	5.9	0.7	0.0	578.3	6
16	0	-10020	-6	5	0	1	-2	365.8	4.8	0.6	0.0	370.6	6
17	0	-12270	-8	5	0	1	-2	448.0	4.6	0.8	0.0	452.6	6
1A	19	-13041	-8	6	0	0	-4	476.1	7.7	0.8	0.0	483.9	6
1E	19	-12829	-8	6	0	0	-4	468.4	7.7	0.8	0.0	476.1	6
1I	19	-13036	-9	6	0	0	-4	476.0	7.7	0.9	0.0	483.7	6
1M	19	-12834	-9	6	0	0	-4	468.6	7.7	0.9	0.0	476.3	6
2	19	-17535	1	6	0	1	-5	640.2	11.6	0.6	0.0	651.8	6
3	19	-14625	-1	4	0	0	-3	534.0	7.5	0.4	0.0	541.4	6
4	19	-10960	-1	3	0	0	-3	400.1	6.5	0.3	0.0	406.6	6
5	19	-12020	-3	4	0	0	-3	438.8	6.6	0.4	0.0	445.5	6
6	19	-20255	-10	8	0	1	-6	739.5	12.7	0.9	0.0	752.2	6
7	19	-18545	-9	5	0	0	-4	677.1	8.3	0.9	0.0	685.4	6
8	19	-12840	-7	5	0	0	-3	468.8	7.3	0.7	0.0	476.0	6
9	19	-13970	-10	5	0	0	-3	510.0	7.4	1.0	0.0	517.4	6
10	19	-14770	2	6	0	1	-6	539.2	12.0	0.6	0.0	551.3	6
11	19	-13205	-0	4	0	0	-4	482.1	7.7	0.4	0.0	489.9	6
12	19	-9434	-1	4	0	0	-3	344.4	6.6	0.4	0.0	351.1	6
13	19	-11155	-2	4	0	0	-3	407.3	7.0	0.4	0.0	414.3	6
14	19	-15235	-6	8	0	1	-6	556.2	12.2	0.7	0.0	568.4	6
15	19	-15680	-7	5	0	0	-4	572.5	8.0	0.7	0.0	580.4	6
16	19	-10020	-7	5	0	0	-3	365.8	6.7	0.6	0.0	372.5	6
17	19	-12265	-8	5	0	0	-3	447.8	7.2	0.8	0.0	455.0	6
1A	39	-13036	-9	6	0	-1	-5	475.9	11.6	0.9	0.0	487.5	6
1E	39	-12824	-9	6	0	-1	-5	468.2	11.6	0.9	0.0	479.8	6
1I	39	-13031	-10	6	0	-1	-5	475.8	11.6	1.0	0.0	487.4	6
1M	39	-12829	-10	6	0	-1	-5	468.4	11.6	1.0	0.0	480.0	6
2	39	-17530	3	5	0	-1	-5	640.0	10.7	0.5	0.0	650.8	6
3	39	-14620	1	3	0	-0	-4	533.8	7.8	0.3	0.0	541.5	6
4	39	-10960	1	3	0	-0	-3	400.1	6.5	0.3	0.0	406.7	6
5	39	-12020	-2	3	0	-0	-4	438.8	7.9	0.3	0.0	446.7	6
6	39	-20250	-10	8	0	-1	-8	739.3	16.7	1.0	0.0	756.0	6
7	39	-18540	-9	5	0	-1	-6	676.9	12.3	0.9	0.0	689.2	6
8	39	-12840	-7	5	0	-1	-5	468.8	10.3	0.7	0.0	479.1	6
9	39	-13970	-11	5	0	-1	-5	510.0	12.0	1.1	0.0	522.0	6
10	39	-14760	5	5	0	-1	-5	538.9	10.5	0.5	0.0	549.4	6
11	39	-13200	1	3	0	-0	-3	481.9	7.7	0.3	0.0	489.7	6
12	39	-9430	1	3	0	-0	-3	344.3	6.6	0.3	0.0	350.9	6
13	39	-11150	-1	3	0	-1	-4	407.1	7.8	0.3	0.0	414.9	6
14	39	-15230	-7	7	0	-1	-7	556.0	15.1	0.7	0.0	571.1	6
15	39	-15680	-7	5	0	-1	-5	572.5	11.3	0.7	0.0	583.8	6
16	39	-10020	-7	5	0	-1	-4	365.8	9.6	0.7	0.0	375.4	6
17	39	-12260	-9	5	0	-1	-5	447.6	11.1	0.9	0.0	458.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-13046	1	4	10	10	10	1.00	1.00	486.0	
1E	-12834	1	4	10	10	10	1.00	1.00	478.3	
1I	-13041	1	4	10	10	10	1.00	1.00	485.9	
1M	-12839	1	4	10	10	10	1.00	1.00	478.5	
2	-17540	1	5	10	10	10	1.00	1.00	652.8	
3	-14630	0	3	10	10	10	1.00	1.00	542.0	
4	-10960	0	3	10	10	10	1.00	1.00	407.1	
5	-12020	0	3	10	10	10	1.00	1.00	446.1	
6	-20260	1	6	10	10	10	1.00	1.00	755.0	
7	-18550	1	4	10	10	10	1.00	1.00	687.2	
8	-12840	1	4	10	10	10	1.00	1.00	477.6	
9	-13970	1	4	10	10	10	1.00	1.00	519.2	
10	-14780	1	5	10	10	10	1.00	1.00	552.6	
11	-13210	0	3	10	10	10	1.00	1.00	490.4	
12	-9438	0	3	10	10	10	1.00	1.00	351.6	
13	-11160	0	3	10	10	10	1.00	1.00	415.0	
14	-15240	1	6	10	10	10	1.00	1.00	570.7	
15	-15680	0	4	10	10	10	1.00	1.00	581.9	
16	-10020	1	3	10	10	10	1.00	1.00	373.9	
17	-12270	0	4	10	10	10	1.00	1.00	456.8	

ASTA NUM. 127 NI 156 NF 152 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-14536	0	1	0	0	-0	1191.5	3.7	0.3	0.0	1195.2	1	
1E	0	-14464	0	1	0	0	-0	1185.5	3.7	0.3	0.0	1189.2	1	
1I	0	-14592	-0	1	0	0	0	1196.1	3.3	0.3	0.0	1199.4	1	
1M	0	-14408	-0	1	0	0	0	1181.0	3.3	0.3	0.0	1184.3	1	
2	0	-19040	5	2	0	1	-3	1560.7	22.0	1.3	0.0	1582.6	6	
3	0	-10490	3	1	0	0	-2	859.8	12.2	0.7	0.0	872.1	6	
4	0	-10690	3	1	0	0	-2	876.2	12.1	0.7	0.0	888.3	6	
5	0	-10660	3	1	0	0	-2	873.8	13.5	0.8	0.0	887.2	6	
6	0	-23490	2	2	0	1	-1	1925.4	9.1	0.6	0.0	1934.5	6	
7	0	-12650	1	1	0	0	-0	1036.9	3.7	0.2	0.0	1040.6	1	
8	0	-13420	1	1	0	0	-0	1100.0	3.8	0.2	0.0	1103.8	1	
9	0	-13480	2	1	0	0	-1	1104.9	5.5	0.4	0.0	1110.5	6	
10	0	-22270	5	2	0	1	-3	1825.4	23.8	1.2	0.0	1849.3	6	
11	0	-12410	3	1	0	1	-2	1017.2	13.4	0.7	0.0	1030.6	6	
12	0	-12710	3	1	0	1	-2	1041.8	13.5	0.7	0.0	1055.3	6	
13	0	-12440	3	1	0	1	-2	1019.7	14.4	0.8	0.0	1034.1	6	
14	0	-23910	2	2	0	1	-1	1959.8	8.4	0.4	0.0	1968.2	6	
15	0	-12820	1	1	0	0	-0	1050.8	3.6	0.2	0.0	1054.5	1	
16	0	-13700	1	1	0	0	-0	1123.0	3.9	0.2	0.0	1126.9	1	
17	0	-13330	1	1	0	0	-1	1092.6	4.9	0.2	0.0	1097.5	6	
1A	29	-14531	-0	1	0	0	-0	1191.1	0.7	0.3	0.0	1191.8	6	
1E	29	-14459	-0	1	0	0	-0	1185.1	0.7	0.3	0.0	1185.8	6	
1I	29	-14587	-1	1	0	0	-0	1195.7	0.8	0.3	0.0	1196.5	1	
1M	29	-14403	-1	1	0	0	-0	1180.6	0.8	0.3	0.0	1181.4	1	
2	29	-19035	9	2	0	0	-1	1560.2	5.6	2.0	0.0	1565.8	6	
3	29	-10490	5	1	0	0	-0	859.8	2.9	1.2	0.0	862.8	6	
4	29	-10685	5	1	0	0	-0	875.8	3.0	1.1	0.0	878.8	6	
5	29	-10655	5	1	0	0	-0	873.4	3.3	1.3	0.0	876.7	6	
6	29	-23485	2	2	0	0	-0	1925.0	2.7	0.5	0.0	1927.7	6	
7	29	-12650	1	1	0	0	-0	1036.9	0.9	0.2	0.0	1037.8	6	
8	29	-13415	1	1	0	0	-0	1099.6	1.1	0.2	0.0	1100.7	6	
9	29	-13475	1	1	0	0	-0	1104.5	1.6	0.3	0.0	1106.1	6	
10	29	-22265	8	2	0	0	-1	1825.0	7.7	2.0	0.0	1832.7	6	
11	29	-12405	5	1	0	0	-1	1016.8	4.2	1.1	0.0	1021.0	6	
12	29	-12705	5	1	0	0	-1	1041.4	4.4	1.1	0.0	1045.8	6	
13	29	-12440	5	1	0	0	-1	1019.7	4.5	1.2	0.0	1024.2	6	
14	29	-23905	2	2	0	0	-0	1959.4	3.3	0.4	0.0	1962.8	6	
15	29	-12815	1	1	0	0	-0	1050.4	1.4	0.2	0.0	1051.8	6	
16	29	-13700	1	1	0	0	-0	1123.0	1.7	0.2	0.0	1124.7	6	
17	29	-13325	1	1	0	0	-0	1092.2	1.9	0.3	0.0	1094.1	6	
1A	58	-14526	-1	1	0	-0	-0	1190.7	3.6	0.3	0.0	1194.3	1	
1E	58	-14454	-1	1	0	-0	-0	1184.7	3.6	0.3	0.0	1188.3	1	
1I	58	-14582	-2	1	0	-0	-0	1195.3	3.9	0.4	0.0	1199.1	6	
1M	58	-14398	-2	1	0	-0	-0	1180.2	3.9	0.4	0.0	1184.0	6	
2	58	-19030	12	3	0	-1	2	1559.8	17.8	2.8	0.0	1577.7	6	
3	58	-10490	7	2	0	-0	1	859.8	10.7	1.6	0.0	870.6	6	
4	58	-10680	7	2	0	-0	1	875.4	10.4	1.6	0.0	885.8	6	
5	58	-10650	7	2	0	-0	1	873.0	11.2	1.7	0.0	884.1	6	
6	58	-23480	2	2	0	-0	0	1924.6	3.8	0.5	0.0	1928.4	1	
7	58	-12650	1	1	0	-0	0	1036.9	2.0	0.3	0.0	1038.8	1	
8	58	-13410	1	1	0	-0	0	1099.2	1.8	0.3	0.0	1101.0	1	
9	58	-13470	1	1	0	-0	0	1104.1	2.4	0.3	0.0	1106.5	1	
10	58	-22260	12	3	0	-1	2	1824.6	15.5	2.7	0.0	1840.1	6	
11	58	-12400	7	2	0	-0	1	1016.4	9.3	1.6	0.0	1025.7	6	
12	58	-12700	7	2	0	-0	1	1041.0	9.0	1.6	0.0	1050.0	6	
13	58	-12440	7	2	0	-0	1	1019.7	9.7	1.7	0.0	1029.4	6	
14	58	-23900	2	2	0	-0	0	1959.0	2.8	0.5	0.0	1961.9	1	
15	58	-12810	0	1	0	-0	-0	1050.0	1.4	0.3	0.0	1051.4	1	
16	58	-13700	1	1	0	-0	-0	1123.0	1.5	0.3	0.0	1124.4	1	
17	58	-13320	1	1	0	-0	0	1091.8	1.8	0.3	0.0	1093.6	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14536	0	0	34	22	22	1.14	1.00	1361.3	
1E	-14464	0	0	34	22	22	1.14	1.00	1354.5	
1I	-14592	0	0	34	22	22	1.14	1.00	1366.6	
1M	-14408	0	0	34	22	22	1.14	1.00	1349.4	
2	-19040	0	1	34	22	22	1.14	1.00	1789.7	
3	-10490	0	1	34	22	22	1.14	1.00	986.0	

4	-10690	0	1	34	22	22	1.14	1.00	1004.6
5	-10660	0	1	34	22	22	1.14	1.00	1002.4
6	-23490	0	0	34	22	22	1.14	1.00	2200.5
7	-12650	0	0	34	22	22	1.14	1.00	1184.3
8	-13420	0	0	34	22	22	1.14	1.00	1256.4
9	-13480	0	0	34	22	22	1.14	1.00	1262.8
10	-22270	0	1	34	22	22	1.14	1.00	2092.6
11	-12410	0	1	34	22	22	1.14	1.00	1166.1
12	-12710	0	1	34	22	22	1.14	1.00	1194.1
13	-12440	0	1	34	22	22	1.14	1.00	1169.3
14	-23910	0	1	34	22	22	1.14	1.00	2240.2
15	-12820	0	0	34	22	22	1.14	1.00	1200.5
16	-13700	0	0	34	22	22	1.14	1.00	1283.2
17	-13330	0	0	34	22	22	1.14	1.00	1248.9

ASTA NUM. 128 NI 157 NF 153 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-14196	1	-0	0	-0	-0	1163.6	2.5	0.2	0.0	1166.1	1	
1E	0	-14124	1	-0	0	-0	-0	1157.7	2.5	0.2	0.0	1160.2	1	
1I	0	-14252	0	-1	0	-0	-0	1168.2	2.4	0.2	0.0	1170.6	1	
1M	0	-14068	0	-1	0	-0	-0	1153.1	2.4	0.2	0.0	1155.5	1	
2	0	-19570	6	-2	0	-1	-3	1604.1	23.5	1.4	0.0	1627.6	6	
3	0	-11290	4	-1	0	-0	-2	925.4	14.2	0.8	0.0	939.7	6	
4	0	-10320	4	-1	0	-0	-2	845.9	14.6	0.9	0.0	860.5	6	
5	0	-11510	4	-1	0	-0	-2	943.4	15.0	0.9	0.0	958.4	6	
6	0	-23110	3	-2	0	-1	-1	1894.3	10.0	0.7	0.0	1904.3	6	
7	0	-13140	2	-1	0	-0	-1	1077.0	5.8	0.4	0.0	1082.8	6	
8	0	-12280	2	-1	0	-0	-1	1006.6	6.1	0.5	0.0	1012.7	6	
9	0	-13920	2	-1	0	-0	-1	1141.0	6.8	0.5	0.0	1147.7	6	
10	0	-21800	6	-2	0	-1	-3	1786.9	24.7	1.4	0.0	1811.6	6	
11	0	-12580	4	-1	0	-1	-2	1031.1	15.0	0.8	0.0	1046.2	6	
12	0	-11900	4	-1	0	-1	-2	975.4	15.8	0.9	0.0	991.3	6	
13	0	-12670	4	-1	0	-1	-2	1038.5	15.5	0.9	0.0	1054.1	6	
14	0	-23540	2	-2	0	-1	-1	1929.5	9.2	0.5	0.0	1938.7	6	
15	0	-13310	1	-1	0	-0	-1	1091.0	5.4	0.3	0.0	1096.4	6	
16	0	-12860	2	-1	0	-0	-1	1054.1	6.5	0.4	0.0	1060.6	6	
17	0	-13770	2	-1	0	-0	-1	1128.7	6.1	0.4	0.0	1134.8	6	
1A	29	-14191	-0	-0	0	-0	-0	1163.2	1.2	0.1	0.0	1164.4	1	
1E	29	-14119	-0	-0	0	-0	-0	1157.3	1.2	0.1	0.0	1158.4	1	
1I	29	-14247	-0	-1	0	-0	-0	1167.8	0.9	0.2	0.0	1168.6	1	
1M	29	-14063	-0	-1	0	-0	-0	1152.7	0.9	0.2	0.0	1153.6	1	
2	29	-19565	9	-2	0	-0	-1	1603.7	6.3	2.1	0.0	1610.0	6	
3	29	-11285	6	-1	0	-0	-0	925.0	3.7	1.3	0.0	928.7	6	
4	29	-10315	6	-1	0	-0	-0	845.5	3.7	1.4	0.0	849.2	6	
5	29	-11505	6	-1	0	-0	-1	943.0	4.1	1.3	0.0	947.1	6	
6	29	-23110	3	-2	0	-0	-0	1894.3	2.6	0.7	0.0	1896.9	6	
7	29	-13140	2	-1	0	-0	-0	1077.0	1.3	0.4	0.0	1078.4	6	
8	29	-12280	2	-1	0	-0	-0	1006.6	1.3	0.4	0.0	1007.8	6	
9	29	-13915	2	-1	0	-0	-0	1140.6	1.8	0.5	0.0	1142.4	6	
10	29	-21795	9	-3	0	-0	-1	1786.5	7.5	2.1	0.0	1794.0	6	
11	29	-12575	6	-1	0	-0	-1	1030.7	4.4	1.3	0.0	1035.2	6	
12	29	-11895	6	-1	0	-0	-1	975.0	4.6	1.4	0.0	979.6	6	
13	29	-12665	6	-1	0	-0	-1	1038.1	4.7	1.3	0.0	1042.8	6	
14	29	-23535	2	-2	0	-0	-0	1929.1	3.2	0.5	0.0	1932.3	6	
15	29	-13305	1	-1	0	-0	-0	1090.6	1.7	0.3	0.0	1092.3	6	
16	29	-12855	2	-1	0	-0	-0	1053.7	2.0	0.4	0.0	1055.6	6	
17	29	-13765	1	-1	0	-0	-0	1128.3	2.1	0.3	0.0	1130.4	6	
1A	58	-14186	-1	-0	0	0	-0	1162.8	1.4	0.2	0.0	1164.2	6	
1E	58	-14114	-1	-0	0	0	-0	1156.9	1.4	0.2	0.0	1158.2	6	
1I	58	-14242	-1	-1	0	0	-0	1167.4	2.6	0.3	0.0	1170.0	6	
1M	58	-14058	-1	-1	0	0	-0	1152.3	2.6	0.3	0.0	1154.9	6	
2	58	-19560	12	-3	0	1	2	1603.3	17.9	2.9	0.0	1621.1	6	
3	58	-11280	8	-2	0	0	1	924.6	11.2	1.8	0.0	935.8	6	
4	58	-10310	8	-2	0	0	1	845.1	11.6	1.8	0.0	856.7	6	
5	58	-11500	8	-2	0	0	1	942.6	11.2	1.8	0.0	953.8	6	
6	58	-23110	3	-2	0	0	1	1894.3	4.8	0.7	0.0	1899.1	6	
7	58	-13140	2	-1	0	0	0	1077.0	3.1	0.4	0.0	1080.2	6	
8	58	-12280	2	-1	0	0	0	1006.6	3.5	0.4	0.0	1010.1	6	
9	58	-13910	2	-1	0	0	0	1140.2	3.1	0.4	0.0	1143.3	6	
10	58	-21790	12	-3	0	1	2	1786.1	16.7	2.9	0.0	1802.8	6	
11	58	-12570	8	-2	0	0	1	1030.3	10.5	1.8	0.0	1040.8	6	
12	58	-11890	8	-2	0	0	1	974.6	11.0	1.8	0.0	985.6	6	
13	58	-12660	8	-2	0	0	1	1037.7	10.5	1.8	0.0	1048.2	6	
14	58	-23530	2	-2	0	0	0	1928.7	3.4	0.5	0.0	1932.1	1	
15	58	-13300	1	-1	0	0	0	1090.2	2.1	0.3	0.0	1092.3	1	
16	58	-12850	2	-1	0	0	0	1053.3	2.6	0.4	0.0	1055.9	6	
17	58	-13760	1	-1	0	0	0	1127.9	2.1	0.3	0.0	1130.0	1	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14196	0	0	34	22	22	1.14	1.00	1329.1	
1E	-14124	0	0	34	22	22	1.14	1.00	1322.3	
1I	-14252	0	0	34	22	22	1.14	1.00	1334.3	
1M	-14068	0	0	34	22	22	1.14	1.00	1317.2	
2	-19570	0	1	34	22	22	1.14	1.00	1839.9	
3	-11290	0	1	34	22	22	1.14	1.00	1061.6	
4	-10320	0	1	34	22	22	1.14	1.00	971.1	
5	-11510	0	1	34	22	22	1.14	1.00	1082.5	
6	-23110	0	0	34	22	22	1.14	1.00	2165.1	
7	-13140	0	0	34	22	22	1.14	1.00	1230.9	
8	-12280	0	0	34	22	22	1.14	1.00	1150.7	
9	-13920	0	0	34	22	22	1.14	1.00	1304.4	
10	-21800	0	1	34	22	22	1.14	1.00	2049.0	
11	-12580	0	1	34	22	22	1.14	1.00	1182.6	
12	-11900	0	1	34	22	22	1.14	1.00	1119.4	
13	-12670	0	1	34	22	22	1.14	1.00	1191.3	
14	-23540	0	1	34	22	22	1.14	1.00	2205.7	
15	-13310	0	0	34	22	22	1.14	1.00	1247.0	
16	-12860	0	0	34	22	22	1.14	1.00	1205.4	
17	-13770	0	0	34	22	22	1.14	1.00	1290.5	

ASTA NUM. 129 NI 158 NF 142 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-14208	-3	-2	0	-1	-1	1164.6	5.7	0.6	0.0	1170.3	6	
1E	0	-14152	-3	-2	0	-1	-1	1160.0	5.7	0.6	0.0	1165.7	6	
1I	0	-14265	-3	-2	0	-1	-0	1169.3	5.7	0.7	0.0	1175.0	1	
1M	0	-14095	-3	-2	0	-1	-0	1155.3	5.7	0.7	0.0	1161.0	1	
2	0	-18350	-1	-3	0	-1	-3	1504.1	25.6	0.7	0.0	1529.7	6	
3	0	-9948	-1	-2	0	-0	-2	815.4	15.5	0.4	0.0	830.9	6	
4	0	-10260	-1	-2	0	-0	-2	841.0	15.5	0.4	0.0	856.5	6	
5	0	-10260	-1	-2	0	-0	-2	841.0	15.2	0.4	0.0	856.2	6	
6	0	-22930	-4	-4	0	-1	-2	1879.5	15.4	0.8	0.0	1894.9	6	
7	0	-12130	-2	-2	0	-1	-1	994.3	8.8	0.5	0.0	1003.1	6	
8	0	-13100	-2	-2	0	-1	-1	1073.8	9.2	0.5	0.0	1082.9	6	
9	0	-13170	-2	-2	0	-1	-1	1079.5	8.9	0.5	0.0	1088.4	6	
10	0	-21770	-1	-3	0	-1	-4	1784.4	27.2	0.8	0.0	1811.6	6	
11	0	-11980	-0	-2	0	-0	-2	982.0	16.4	0.4	0.0	998.4	6	
12	0	-12310	-0	-2	0	-0	-2	1009.0	16.4	0.5	0.0	1025.4	6	
13	0	-12180	-0	-2	0	-0	-2	998.4	16.2	0.4	0.0	1014.5	6	
14	0	-23340	-3	-4	0	-1	-2	1913.1	15.8	0.9	0.0	1928.9	6	
15	0	-12290	-2	-2	0	-1	-1	1007.4	9.2	0.5	0.0	1016.6	6	
16	0	-13250	-2	-2	0	-1	-1	1086.1	9.4	0.5	0.0	1095.5	6	
17	0	-13040	-2	-2	0	-1	-1	1068.9	9.1	0.5	0.0	1077.9	6	
1A	29	-14203	-3	-2	0	0	-1	1164.2	10.7	0.8	0.0	1174.9	6	
1E	29	-14147	-3	-2	0	0	-1	1159.6	10.7	0.8	0.0	1170.2	6	
1I	29	-14260	-4	-2	0	0	-1	1168.9	10.3	0.9	0.0	1179.2	6	
1M	29	-14090	-4	-2	0	0	-1	1154.9	10.3	0.9	0.0	1165.2	6	
2	29	-18345	2	-2	0	0	-3	1503.7	23.8	0.6	0.0	1527.5	6	
3	29	-9945	1	-1	0	0	-2	815.2	14.0	0.3	0.0	829.2	6	
4	29	-10255	1	-1	0	0	-2	840.6	14.2	0.3	0.0	854.8	6	
5	29	-10260	1	-1	0	0	-2	841.0	13.8	0.3	0.0	854.8	6	
6	29	-22925	-4	-3	0	0	-3	1879.1	20.2	0.9	0.0	1899.3	6	
7	29	-12125	-2	-2	0	-0	-2	993.9	11.4	0.5	0.0	1005.3	6	
8	29	-13100	-2	-2	0	0	-2	1073.8	12.0	0.5	0.0	1085.8	6	
9	29	-13170	-2	-2	0	-0	-2	1079.5	11.6	0.5	0.0	1091.1	6	
10	29	-21760	2	-3	0	0	-3	1783.6	24.3	0.7	0.0	1807.9	6	
11	29	-11980	2	-2	0	0	-2	982.0	14.2	0.4	0.0	996.2	6	
12	29	-12310	2	-2	0	0	-2	1009.0	14.4	0.4	0.0	1023.4	6	
13	29	-12175	2	-2	0	0	-2	998.0	14.0	0.4	0.0	1012.0	6	
14	29	-23335	-3	-4	0	0	-3	1912.7	19.8	0.8	0.0	1932.5	6	
15	29	-12290	-2	-2	0	-0	-2	1007.4	11.2	0.5	0.0	1018.6	6	
16	29	-13245	-2	-2	0	0	-2	1085.7	11.7	0.5	0.0	1097.3	6	
17	29	-13035	-2	-2	0	-0	-2	1068.4	11.2	0.5	0.0	1079.7	6	
1A	58	-14198	-4	-2	0	1	-3	1163.8	20.3	1.0	0.0	1184.1	6	
1E	58	-14142	-4	-2	0	1	-3	1159.2	20.3	1.0	0.0	1179.5	6	
1I	58	-14255	-5	-2	0	1	-3	1168.5	20.7	1.1	0.0	1189.2	6	
1M	58	-14085	-5	-2	0	1	-3	1154.5	20.7	1.1	0.0	1175.2	6	

2	58	-18340	5	-2	0	1	-2	1503.3	18.6	1.2	0.0	1521.9	6
3	58	-9942	3	-1	0	0	-1	814.9	10.2	0.8	0.0	825.1	6
4	58	-10250	3	-1	0	0	-1	840.2	10.4	0.8	0.0	850.5	6
5	58	-10260	3	-1	0	0	-1	841.0	10.0	0.8	0.0	851.0	6
6	58	-22920	-4	-3	0	1	-4	1878.7	30.6	0.9	0.0	1909.2	6
7	58	-12120	-2	-2	0	1	-2	993.4	17.0	0.5	0.0	1010.4	6
8	58	-13100	-2	-2	0	1	-2	1073.8	17.9	0.5	0.0	1091.7	6
9	58	-13170	-2	-2	0	1	-2	1079.5	17.5	0.5	0.0	1097.0	6
10	58	-21750	5	-2	0	1	-2	1782.8	18.7	1.2	0.0	1801.4	6
11	58	-11980	4	-1	0	0	-1	982.0	10.1	0.8	0.0	992.0	6
12	58	-12310	4	-1	0	1	-1	1009.0	10.2	0.8	0.0	1019.2	6
13	58	-12170	4	-1	0	0	-1	997.5	9.9	0.8	0.0	1007.4	6
14	58	-23330	-3	-4	0	1	-4	1912.3	29.7	0.8	0.0	1942.0	6
15	58	-12290	-2	-2	0	1	-2	1007.4	16.3	0.4	0.0	1023.6	6
16	58	-13240	-2	-2	0	1	-2	1085.2	17.0	0.5	0.0	1102.3	6
17	58	-13030	-2	-2	0	1	-2	1068.0	16.6	0.5	0.0	1084.6	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14208	0	2	34	22	22	1.14	1.00	1342.7	
1E	-14152	0	2	34	22	22	1.14	1.00	1337.5	
1I	-14265	0	2	34	22	22	1.14	1.00	1347.9	
1M	-14095	0	2	34	22	22	1.14	1.00	1332.0	
2	-18350	0	3	34	22	22	1.14	1.00	1738.6	
3	-9948	0	2	34	22	22	1.14	1.00	943.3	
4	-10260	0	2	34	22	22	1.14	1.00	972.8	
5	-10260	0	2	34	22	22	1.14	1.00	972.3	
6	-22930	0	3	34	22	22	1.14	1.00	2168.5	
7	-12130	0	2	34	22	22	1.14	1.00	1147.7	
8	-13100	0	2	34	22	22	1.14	1.00	1239.1	
9	-13170	0	2	34	22	22	1.14	1.00	1245.2	
10	-21770	0	3	34	22	22	1.14	1.00	2059.4	
11	-11980	0	2	34	22	22	1.14	1.00	1133.8	
12	-12310	0	2	34	22	22	1.14	1.00	1164.9	
13	-12180	0	2	34	22	22	1.14	1.00	1152.3	
14	-23340	0	3	34	22	22	1.14	1.00	2206.4	
15	-12290	0	2	34	22	22	1.14	1.00	1162.4	
16	-13250	0	2	34	22	22	1.14	1.00	1252.7	
17	-13040	0	2	34	22	22	1.14	1.00	1232.6	

ASTA NUM. 130 NI 160 NF 140 Lungh. 58.5 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13988	-3	2	0	1	-1	1146.6	7.1	0.6	0.0	1153.7	1	
1E	0	-13932	-3	2	0	1	-1	1142.0	7.1	0.6	0.0	1149.0	1	
1I	0	-14045	-3	2	0	1	-0	1151.2	6.3	0.7	0.0	1157.5	1	
1M	0	-13875	-3	2	0	1	-0	1137.3	6.3	0.7	0.0	1143.6	1	
2	0	-19490	-1	3	0	1	-3	1597.5	25.4	0.7	0.0	1622.9	6	
3	0	-11360	-1	2	0	0	-2	931.1	15.3	0.4	0.0	946.5	6	
4	0	-10290	-1	1	0	0	-2	843.4	14.7	0.3	0.0	858.2	6	
5	0	-11450	-1	2	0	0	-2	938.5	15.3	0.4	0.0	953.8	6	
6	0	-22820	-4	4	0	1	-2	1870.5	14.9	0.9	0.0	1885.4	6	
7	0	-13150	-2	2	0	1	-1	1077.9	8.5	0.5	0.0	1086.4	6	
8	0	-12080	-2	2	0	1	-1	990.2	8.0	0.5	0.0	998.2	6	
9	0	-13710	-2	2	0	1	-1	1123.8	8.8	0.5	0.0	1132.6	6	
10	0	-21470	-1	3	0	1	-3	1759.8	26.7	0.8	0.0	1786.6	6	
11	0	-12500	-1	2	0	0	-2	1024.6	16.1	0.4	0.0	1040.7	6	
12	0	-11800	-1	2	0	0	-2	967.2	15.6	0.4	0.0	982.8	6	
13	0	-12450	-1	2	0	0	-2	1020.5	16.0	0.4	0.0	1036.5	6	
14	0	-23230	-3	4	0	1	-2	1904.1	15.3	0.9	0.0	1919.4	6	
15	0	-13310	-2	2	0	1	-1	1091.0	8.8	0.5	0.0	1099.8	6	
16	0	-12800	-2	2	0	1	-1	1049.2	8.4	0.5	0.0	1057.6	6	
17	0	-13540	-2	2	0	1	-1	1109.8	9.0	0.5	0.0	1118.8	6	
1A	29	-13988	-4	2	0	0	-1	1146.6	10.6	0.8	0.0	1157.2	6	
1E	29	-13932	-4	2	0	0	-1	1142.0	10.6	0.8	0.0	1152.6	6	
1I	29	-14045	-4	2	0	0	-1	1151.2	10.3	0.9	0.0	1161.5	6	
1M	29	-13875	-4	2	0	0	-1	1137.3	10.3	0.9	0.0	1147.5	6	
2	29	-19485	2	2	0	-0	-3	1597.1	23.3	0.6	0.0	1620.5	6	
3	29	-11360	1	1	0	-0	-2	931.1	14.0	0.3	0.0	945.1	6	
4	29	-10290	1	1	0	-0	-2	843.4	13.1	0.3	0.0	856.5	6	
5	29	-11450	1	1	0	-0	-2	938.5	13.9	0.3	0.0	952.5	6	
6	29	-22815	-4	3	0	0	-3	1870.1	19.9	0.9	0.0	1890.0	6	
7	29	-13145	-2	2	0	-0	-2	1077.5	11.6	0.5	0.0	1089.1	6	
8	29	-12080	-2	2	0	0	-2	990.2	11.1	0.5	0.0	1001.3	6	
9	29	-13710	-2	2	0	-0	-2	1123.8	11.9	0.5	0.0	1135.7	6	
10	29	-21465	2	3	0	-0	-3	1759.4	24.1	0.7	0.0	1783.6	6	
11	29	-12495	1	2	0	-0	-2	1024.2	14.4	0.4	0.0	1038.6	6	
12	29	-11800	1	1	0	-0	-2	967.2	13.6	0.3	0.0	980.8	6	
13	29	-12445	1	2	0	-0	-2	1020.1	14.3	0.4	0.0	1034.4	6	
14	29	-23225	-3	4	0	0	-3	1903.7	19.6	0.8	0.0	1923.3	6	
15	29	-13305	-2	2	0	-0	-2	1090.6	11.4	0.5	0.0	1102.0	6	
16	29	-12795	-2	2	0	0	-2	1048.8	11.1	0.5	0.0	1059.8	6	
17	29	-13535	-2	2	0	-0	-2	1109.4	11.5	0.5	0.0	1121.0	6	
1A	58	-13988	-4	2	0	-1	-3	1146.6	20.4	1.0	0.0	1166.9	6	
1E	58	-13932	-4	2	0	-1	-3	1142.0	20.4	1.0	0.0	1162.3	6	
1I	58	-14045	-5	2	0	-1	-3	1151.2	20.7	1.1	0.0	1172.0	6	
1M	58	-13875	-5	2	0	-1	-3	1137.3	20.7	1.1	0.0	1158.0	6	
2	58	-19480	5	2	0	-1	-2	1596.7	17.9	1.2	0.0	1614.6	6	
3	58	-11360	3	1	0	-0	-1	931.1	10.2	0.8	0.0	941.4	6	
4	58	-10290	3	1	0	-0	-1	843.4	9.0	0.8	0.0	852.4	6	
5	58	-11450	3	1	0	-0	-1	938.5	10.2	0.8	0.0	948.7	6	
6	58	-22810	-4	3	0	-1	-4	1869.7	30.5	0.9	0.0	1900.2	6	
7	58	-13140	-2	2	0	-1	-2	1077.0	17.8	0.5	0.0	1094.9	6	
8	58	-12080	-2	2	0	-0	-2	990.2	16.7	0.5	0.0	1006.8	6	
9	58	-13710	-2	2	0	-1	-2	1123.8	18.3	0.5	0.0	1142.1	6	
10	58	-21460	5	2	0	-1	-2	1759.0	18.8	1.2	0.0	1777.8	6	
11	58	-12490	3	1	0	-1	-1	1023.8	10.7	0.8	0.0	1034.4	6	
12	58	-11800	3	1	0	-0	-1	967.2	9.7	0.8	0.0	976.9	6	
13	58	-12440	3	1	0	-1	-1	1019.7	10.5	0.8	0.0	1030.2	6	
14	58	-23220	-4	3	0	-1	-4	1903.3	29.7	0.8	0.0	1933.0	6	
15	58	-13300	-2	2	0	-1	-2	1090.2	17.1	0.5	0.0	1107.3	6	
16	58	-12790	-2	2	0	-0	-2	1048.4	16.3	0.5	0.0	1064.7	6	
17	58	-13530	-2	2	0	-1	-2	1109.0	17.3	0.5	0.0	1126.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-13988	0	2	34	22	22	1.14	1.00	1322.5	
1E	-13932	0	2	34	22	22	1.14	1.00	1317.2	
1I	-14045	0	2	34	22	22	1.14	1.00	1327.5	
1M	-13875	0	2	34	22	22	1.14	1.00	1311.6	
2	-19490	0	3	34	22	22	1.14	1.00	1844.8	
3	-11360	0	2	34	22	22	1.14	1.00	1075.3	
4	-10290	0	2	34	22	22	1.14	1.00	974.3	
5	-11450	0	2	34	22	22	1.14	1.00	1083.7	
6	-22820	0	3	34	22	22	1.14	1.00	2158.0	
7	-13150	0	2	34	22	22	1.14	1.00	1243.3	
8	-12080	0	2	34	22	22	1.14	1.00	1142.7	
9	-13710	0	2	34	22	22	1.14	1.00	1296.1	
10	-21470	0	3	34	22	22	1.14	1.00	2031.1	
11	-12500	0	2	34	22	22	1.14	1.00	1182.5	
12	-11800	0	2	34	22	22	1.14	1.00	1116.3	
13	-12450	0	2	34	22	22	1.14	1.00	1177.7	
14	-23230	0	3	34	22	22	1.14	1.00	2196.0	
15	-13310	0	2	34	22	22	1.14	1.00	1258.0	
16	-12800	0	2	34	22	22	1.14	1.00	1209.9	
17	-13540	0	2	34	22	22	1.14	1.00	1279.7	

ASTA NUM. 131 NI 134 NF 154 Lungh. 28.5 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	5697	2	-3	0	-1	3	208.0	7.3	0.3	0.0	215.3	6	
1E	0	5909	2	-3	0	-1	3	215.7	7.3	0.3	0.0	223.1	6	
1I	0	5701	1	-3	0	-1	3	208.1	7.5	0.3	0.0	215.6	6	
1M	0	5905	1	-3	0	-1	3	215.6	7.5	0.3	0.0	223.1	6	
2	0	7741	-3	-5	0	-1	5	282.6	11.3	0.4	0.0	293.9	6	
3	0	4781	1	-3	0	-1	2	174.6	5.3	0.3	0.0	179.9	6	
4	0	5739	2	-3	0	-1	2	209.5	5.1	0.3	0.0	214.7	6	
5	0	3584	-3	-2	0	-1	3	130.9	6.6	0.3	0.0	137.5	6	
6	0	9334	2	-6	0	-2	5	340.8	12.2	0.6	0.0	353.0	6	
7	0	5807	5	-4	0	-1	2	212.0	5.2	0.5	0.0	217.2	6	
8	0	7037	6	-4	0	-1	2	256.9	5.3	0.6	0.0	262.2	6	
9	0	4377	0	-3	0	-1	3	159.8	7.3	0.3	0.0	167.1	6	
10	0	13950	-1	-5	0	-1	6	509.3	13.3	0.5	0.0	522.6	6	
11	0	8593	2	-3	0	-1	3	313.7	6.6	0.3	0.0	320.3	6	

12	0	9675	2	-4	0	-1	3	353.2	6.6	0.3	0.0	359.9	6
13	0	7406	-2	-3	0	-1	3	270.4	7.6	0.3	0.0	278.0	6
14	0	14350	6	-7	0	-2	5	523.9	11.7	0.7	0.0	535.6	6
15	0	8895	8	-4	0	-1	2	324.8	4.8	0.8	0.0	329.6	6
16	0	10270	8	-5	0	-1	2	375.0	5.4	0.8	0.0	380.3	6
17	0	7424	3	-4	0	-1	3	271.0	6.6	0.4	0.0	277.6	6
1A	14	5700	1	-3	0	-0	3	208.1	7.4	0.3	0.0	215.5	6
1E	14	5912	1	-3	0	-0	3	215.9	7.4	0.3	0.0	223.3	6
1I	14	5704	1	-3	0	-0	3	208.3	7.4	0.3	0.0	215.7	6
1M	14	5908	1	-3	0	-0	3	215.7	7.4	0.3	0.0	223.1	6
2	14	7745	-7	-4	0	-1	4	282.7	9.2	0.7	0.0	292.0	6
3	14	4783	-2	-3	0	-0	2	174.6	4.8	0.3	0.0	179.5	6
4	14	5741	-1	-3	0	-0	2	209.6	4.9	0.3	0.0	214.5	6
5	14	3586	-6	-2	0	-0	2	130.9	5.1	0.6	0.0	136.0	6
6	14	9338	0	-6	0	-1	5	340.9	11.9	0.6	0.0	352.9	6
7	14	5809	4	-4	0	-0	3	212.1	6.1	0.4	0.0	218.2	6
8	14	7040	5	-4	0	-0	3	257.0	6.5	0.5	0.0	263.5	6
9	14	4380	-1	-3	0	-0	3	159.9	6.8	0.3	0.0	166.7	6
10	14	13955	-6	-5	0	-1	5	509.5	11.6	0.6	0.0	521.1	6
11	14	8595	-1	-3	0	-0	3	313.8	6.3	0.3	0.0	320.1	6
12	14	9677	-0	-3	0	-0	3	353.3	6.5	0.3	0.0	359.8	6
13	14	7408	-4	-3	0	-0	3	270.5	6.4	0.4	0.0	276.9	6
14	14	14355	4	-7	0	-1	6	524.1	12.5	0.7	0.0	536.6	6
15	14	8897	7	-4	0	-0	3	324.8	6.5	0.7	0.0	331.3	6
16	14	10270	7	-4	0	-0	3	375.0	7.1	0.7	0.0	382.0	6
17	14	7427	2	-4	0	-1	3	271.1	6.9	0.4	0.0	278.0	6
1A	28	5703	0	-3	0	-0	3	208.2	7.3	0.3	0.0	215.5	6
1E	28	5915	0	-3	0	-0	3	216.0	7.3	0.3	0.0	223.3	6
1I	28	5707	-0	-3	0	0	3	208.4	7.2	0.3	0.0	215.6	6
1M	28	5911	-0	-3	0	0	3	215.8	7.2	0.3	0.0	223.0	6
2	28	7748	-12	-4	0	-0	3	282.9	6.0	1.1	0.0	288.8	6
3	28	4785	-5	-2	0	-0	2	174.7	3.6	0.4	0.0	178.3	6
4	28	5743	-3	-3	0	0	2	209.7	4.1	0.3	0.0	213.8	6
5	28	3588	-8	-2	0	-0	1	131.0	2.7	0.8	0.0	133.7	6
6	28	9342	-1	-6	0	0	5	341.1	11.4	0.6	0.0	352.5	6
7	28	5811	3	-4	0	0	3	212.2	7.0	0.4	0.0	219.2	6
8	28	7042	4	-4	0	0	4	257.1	7.8	0.4	0.0	264.9	6
9	28	4382	-2	-3	0	0	3	160.0	6.0	0.3	0.0	166.0	6
10	28	13960	-10	-5	0	-0	4	509.7	8.7	1.0	0.0	518.4	6
11	28	8597	-4	-3	0	-0	2	313.9	5.2	0.4	0.0	319.1	6
12	28	9679	-3	-3	0	0	3	353.4	5.7	0.3	0.0	359.1	6
13	28	7411	-7	-2	0	-0	2	270.6	4.4	0.7	0.0	275.0	6
14	28	14360	2	-7	0	0	6	524.3	13.0	0.7	0.0	537.3	6
15	28	8900	5	-4	0	0	4	324.9	8.0	0.5	0.0	332.9	6
16	28	10270	6	-4	0	0	4	375.0	8.8	0.6	0.0	383.7	6
17	28	7429	1	-4	0	0	3	271.2	6.9	0.4	0.0	278.2	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	5703	1	3	8	8	8	1.00	1.00	216.3	
1E	5915	1	3	8	8	8	1.00	1.00	224.1	
1I	5707	1	3	8	8	8	1.00	1.00	216.4	
1M	5911	1	3	8	8	8	1.00	1.00	223.9	
2	7748	1	4	8	8	8	1.00	1.00	293.0	
3	4785	0	2	8	8	8	1.00	1.00	179.9	
4	5743	0	2	8	8	8	1.00	1.00	214.9	
5	3588	0	2	8	8	8	1.00	1.00	136.6	
6	9342	1	5	8	8	8	1.00	1.00	354.0	
7	5811	1	3	8	8	8	1.00	1.00	219.1	
8	7042	0	3	8	8	8	1.00	1.00	264.5	
9	4382	1	3	8	8	8	1.00	1.00	167.4	
10	13960	1	5	8	8	8	1.00	1.00	522.3	
11	8597	1	3	8	8	8	1.00	1.00	320.6	
12	9679	1	3	8	8	8	1.00	1.00	360.3	
13	7411	1	3	8	8	8	1.00	1.00	277.6	
14	14360	1	6	8	8	8	1.00	1.00	538.3	
15	8900	1	3	8	8	8	1.00	1.00	332.5	
16	10270	1	3	8	8	8	1.00	1.00	383.1	
17	7429	1	3	8	8	8	1.00	1.00	278.9	

ASTA NUM. 132 NI 135 NF 155 Lungh. 38.8 cm SEZ. 8 L. a= 0.130 b= 0.130 c= 0.011 d= 0.011 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	14.4449	3.6112	--	--	5.5803	23.6364 daN/m

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

1A	0	2946	-3	4	0	1	4	107.5	8.7	0.4	0.0	116.2	6
1E	0	3158	-3	4	0	1	4	115.3	8.7	0.4	0.0	124.0	6
1I	0	2951	-3	4	0	1	4	107.7	8.8	0.4	0.0	116.6	6
1M	0	3153	-3	4	0	1	4	115.1	8.8	0.4	0.0	124.0	6
2	0	5845	-7	4	0	1	6	213.4	14.3	0.7	0.0	227.7	6
3	0	2666	-4	2	0	1	4	97.3	8.3	0.4	0.0	105.6	6
4	0	1041	-7	2	0	1	4	38.0	8.8	0.6	0.0	46.8	6
5	0	3454	-6	2	0	1	4	126.1	9.2	0.5	0.0	135.3	6
6	0	5316	-4	5	0	2	6	194.1	14.2	0.5	0.0	208.2	6
7	0	1849	-3	3	0	1	4	67.5	8.1	0.3	0.0	75.6	6
8	0	421	-5	3	0	1	4	15.4	8.6	0.5	0.0	23.9	6
9	0	3366	-4	3	0	1	4	122.9	9.4	0.4	0.0	132.3	6
10	0	10270	-6	5	0	2	7	375.0	15.8	0.6	0.0	390.8	6
11	0	5362	-4	3	0	1	4	195.8	9.3	0.4	0.0	205.0	6
12	0	3606	-7	2	0	1	5	131.7	10.3	0.7	0.0	141.9	6
13	0	6114	-5	3	0	1	4	223.2	9.9	0.5	0.0	233.1	6
14	0	10340	-1	6	0	2	6	377.5	13.4	0.6	0.0	391.0	6
15	0	4939	-1	3	0	1	3	180.3	7.7	0.3	0.0	188.0	6
16	0	3241	-4	3	0	1	4	118.3	9.0	0.4	0.0	127.3	6
17	0	6339	-2	3	0	1	4	231.4	8.4	0.3	0.0	239.9	6
1A	19	2950	-4	4	0	0	3	107.7	6.6	0.4	0.0	114.3	6
1E	19	3162	-4	4	0	0	3	115.5	6.6	0.4	0.0	122.1	6
1I	19	2955	-4	4	0	0	3	107.9	6.7	0.4	0.0	114.6	6
1M	19	3157	-4	4	0	0	3	115.3	6.7	0.4	0.0	122.0	6
2	19	5850	-13	4	0	0	4	213.6	9.6	1.2	0.0	223.2	6
3	19	2669	-8	2	0	0	2	97.4	5.4	0.8	0.0	102.9	6
4	19	1044	-10	2	0	0	2	38.1	5.1	1.0	0.0	43.2	6
5	19	3456	-9	2	0	0	3	126.2	5.9	0.9	0.0	132.1	6
6	19	5322	-7	5	0	1	5	194.3	11.0	0.7	0.0	205.3	6
7	19	1853	-5	3	0	0	3	67.6	6.1	0.5	0.0	73.7	6
8	19	425	-7	3	0	0	3	15.5	5.8	0.6	0.0	21.3	6
9	19	3370	-6	3	0	0	3	123.0	6.8	0.6	0.0	129.9	6
10	19	10275	-12	4	0	1	5	375.1	11.3	1.2	0.0	386.5	6
11	19	5365	-8	2	0	0	3	195.9	6.5	0.8	0.0	202.3	6
12	19	3608	-11	2	0	0	3	131.7	6.4	1.0	0.0	138.1	6
13	19	6117	-9	2	0	0	3	223.3	6.8	0.8	0.0	230.1	6
14	19	10345	-4	6	0	1	5	377.7	11.5	0.6	0.0	389.1	6
15	19	4942	-3	3	0	0	3	180.4	6.3	0.3	0.0	186.8	6
16	19	3245	-6	3	0	0	3	118.5	6.4	0.6	0.0	124.9	6
17	19	6342	-3	3	0	0	3	231.6	6.9	0.3	0.0	238.5	6
1A	39	2954	-5	4	0	-0	2	107.8	4.9	0.5	0.0	112.7	6
1E	39	3166	-5	4	0	-0	2	115.6	4.9	0.5	0.0	120.5	6
1I	39	2959	-5	4	0	-0	2	108.0	4.6	0.5	0.0	112.7	6
1M	39	3161	-5	4	0	-0	2	115.4	4.6	0.5	0.0	120.1	6
2	39	5854	-18	3	0	-0	1	213.7	3.0	1.8	0.0	216.8	6
3	39	2672	-12	2	0	-0	1	97.6	1.3	1.1	0.0	98.8	6
4	39	1046	-14	1	0	0	0	38.2	0.1	1.3	0.0	38.3	5
5	39	3459	-13	2	0	-0	1	126.3	1.3	1.3	0.0	127.6	6
6	39	5327	-10	5	0	-0	3	194.5	7.4	0.9	0.0	201.9	6
7	39	1856	-6	3	0	-0	2	67.8	3.7	0.6	0.0	71.4	6
8	39	428	-8	2	0	-0	1	15.6	2.6	0.8	0.0	18.2	6
9	39	3373	-7	3	0	-0	2	123.1	4.1	0.7	0.0	127.2	6
10	39	10280	-18	4	0	-0	2	375.3	4.8	1.7	0.0	380.1	6
11	39	5368	-11	2	0	-0	1	196.0	2.3	1.1	0.0	198.3	6
12	39	3611	-14	2	0	0	0	131.8	1.0	1.4	0.0	132.9	6
13	39	6120	-12	2	0	-0	1	223.4	2.3	1.2	0.0	225.8	6
14	39	10350	-7	6	0	-0	4	377.9	9.0	0.6	0.0	386.8	6
15	39	4945	-4	3	0	-0	2	180.5	4.6	0.4	0.0	185.2	6
16	39	3248	-8	3	0	-0	2	118.6	3.3	0.7	0.0	121.9	6
17	39	6346	-5	3	0	-0	2	231.7	5.1	0.5	0.0	236.7	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	2954	1	3	10	10	10	1.00	1.00	115.4	
1E	3166	1	3	10	10	10	1.00	1.00	123.1	
1I	2959	1	3	10	10	10	1.00	1.00	115.6	
1M	3161	1	3	10	10	10	1.00	1.00	123.0	
2	5854	1	4	10	10	10	1.00	1.00	224.3	
3	2672	0	2	10	10	10	1.00	1.00	103.5	
4	1046	0	2	10	10	10	1.00	1.00	44.0	
5	3459	0	3	10	10	10	1.00	1.00	132.7	
6	5327	1	5	10	10	10	1.00	1.00	206.8	
7	1856	0	3	10	10	10	1.00	1.00	74.6	
8	428	1	3	10	10	10	1.00	1.00	22.4	
9	3373	0	3	10	10	10	1.00	1.00	130.8	
10	10280	1	5	10	10	10	1.00	1.00	387.8	
11	5368	1	3	10	10	10	1.00	1.00	203.1	

12	3611	1	3	10	10	10	1.00	1.00	139.1	
13	6120	0	3	10	10	10	1.00	1.00	230.9	
14	10350	1	5	10	10	10	1.00	1.00	390.6	
15	4945	1	3	10	10	10	1.00	1.00	187.6	
16	3248	1	3	10	10	10	1.00	1.00	126.0	
17	6346	1	3	10	10	10	1.00	1.00	239.3	

ASTA NUM. 133 NI 54 NF 156 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-14365	3	2	0	1	-1	1177.5	12.3	0.7	0.0	1189.7	6	
1E	0	-14275	3	2	0	1	-1	1170.1	12.3	0.7	0.0	1182.3	6	
1I	0	-14416	2	2	0	1	-1	1181.6	11.0	0.5	0.0	1192.6	6	
1M	0	-14224	2	2	0	1	-1	1165.9	11.0	0.5	0.0	1176.9	6	
2	0	-19020	-12	-0	0	1	2	1559.0	14.6	2.9	0.0	1573.7	6	
3	0	-10590	-8	-0	0	0	2	868.0	11.5	1.9	0.0	879.5	6	
4	0	-10710	-8	-0	0	0	2	877.9	12.2	1.9	0.0	890.0	6	
5	0	-10650	-8	-0	0	0	1	873.0	9.4	1.8	0.0	882.3	6	
6	0	-23220	1	2	0	1	-1	1903.3	13.5	0.4	0.0	1916.8	6	
7	0	-12660	-0	1	0	1	-0	1037.7	5.7	0.2	0.0	1043.4	1	
8	0	-13250	-0	1	0	1	-0	1086.1	6.4	0.2	0.0	1092.4	1	
9	0	-13300	1	1	0	1	-1	1090.2	8.3	0.2	0.0	1098.5	6	
10	0	-22010	-13	-0	0	1	2	1804.1	13.8	2.9	0.0	1817.9	6	
11	0	-12370	-8	-0	0	0	1	1013.9	11.0	1.9	0.0	1024.9	6	
12	0	-12660	-8	-0	0	0	1	1037.7	11.4	1.9	0.0	1049.1	6	
13	0	-12280	-8	-0	0	0	1	1006.6	9.2	1.9	0.0	1015.7	6	
14	0	-23630	1	1	0	1	-1	1936.9	11.9	0.3	0.0	1948.8	1	
15	0	-12820	-0	1	0	1	-0	1050.8	4.7	0.1	0.0	1055.5	1	
16	0	-13650	-0	1	0	1	-0	1118.9	6.1	0.2	0.0	1124.9	1	
17	0	-13130	0	1	0	1	-1	1076.2	6.6	0.2	0.0	1082.9	1	
1A	23	-14360	2	2	0	1	-1	1177.1	6.8	0.6	0.0	1183.8	6	
1E	23	-14270	2	2	0	1	-1	1169.7	6.8	0.6	0.0	1176.5	6	
1I	23	-14411	2	2	0	1	-1	1181.2	6.7	0.4	0.0	1187.9	6	
1M	23	-14219	2	2	0	1	-1	1165.5	6.7	0.4	0.0	1172.2	6	
2	23	-19015	-10	0	0	1	-1	1558.6	7.3	2.3	0.0	1565.9	6	
3	23	-10590	-7	-0	0	0	-0	868.0	3.1	1.5	0.0	871.1	1	
4	23	-10705	-7	-0	0	0	-0	877.5	3.2	1.6	0.0	880.7	1	
5	23	-10645	-6	0	0	0	-0	872.5	4.3	1.5	0.0	876.8	6	
6	23	-23215	1	2	0	1	-1	1902.9	11.2	0.4	0.0	1914.0	6	
7	23	-12660	-0	1	0	1	-0	1037.7	4.5	0.2	0.0	1042.2	1	
8	23	-13250	-0	1	0	1	-0	1086.1	4.9	0.2	0.0	1091.0	1	
9	23	-13295	0	1	0	1	-1	1089.8	6.8	0.3	0.0	1096.6	6	
10	23	-22010	-10	0	0	1	-1	1804.1	9.0	2.4	0.0	1813.1	6	
11	23	-12365	-7	-0	0	0	-0	1013.5	3.9	1.6	0.0	1017.4	1	
12	23	-12655	-7	0	0	0	-0	1037.3	4.3	1.6	0.0	1041.6	1	
13	23	-12275	-6	0	0	0	-1	1006.1	5.0	1.5	0.0	1011.1	6	
14	23	-23625	0	1	0	1	-1	1936.5	9.6	0.3	0.0	1946.1	6	
15	23	-12820	-0	1	0	0	-0	1050.8	4.0	0.1	0.0	1054.8	1	
16	23	-13650	-0	1	0	1	-0	1118.9	4.8	0.2	0.0	1123.7	1	
17	23	-13125	0	1	0	1	-1	1075.8	5.3	0.2	0.0	1081.1	6	
1A	46	-14355	2	2	0	0	-0	1176.6	2.4	0.4	0.0	1179.0	6	
1E	46	-14265	2	2	0	0	-0	1169.3	2.4	0.4	0.0	1171.6	6	
1I	46	-14406	1	2	0	0	-0	1180.8	3.5	0.4	0.0	1184.3	6	
1M	46	-14214	1	2	0	0	-0	1165.1	3.5	0.4	0.0	1168.6	6	
2	46	-19010	-7	0	0	1	-3	1558.2	21.4	1.7	0.0	1579.6	6	
3	46	-10590	-5	0	0	0	-2	868.0	11.9	1.2	0.0	879.9	6	
4	46	-10700	-5	0	0	0	-2	877.0	11.8	1.2	0.0	888.9	6	
5	46	-10640	-5	0	0	0	-2	872.1	13.1	1.1	0.0	885.2	6	
6	46	-23210	1	2	0	1	-1	1902.5	8.8	0.4	0.0	1911.3	6	
7	46	-12660	-0	1	0	0	-0	1037.7	3.4	0.2	0.0	1041.1	6	
8	46	-13250	-0	1	0	0	-0	1086.1	3.6	0.2	0.0	1089.6	6	
9	46	-13290	0	1	0	0	-1	1089.3	5.4	0.3	0.0	1094.7	6	
10	46	-22010	-8	0	0	1	-3	1804.1	23.3	1.8	0.0	1827.4	6	
11	46	-12360	-5	0	0	0	-2	1013.1	13.1	1.2	0.0	1026.2	6	
12	46	-12650	-5	0	0	0	-2	1036.9	13.2	1.2	0.0	1050.1	6	
13	46	-12270	-5	0	0	0	-2	1005.7	14.1	1.1	0.0	1019.8	6	
14	46	-23620	0	1	0	1	-1	1936.1	8.1	0.3	0.0	1944.2	6	
15	46	-12820	-0	1	0	0	-0	1050.8	3.2	0.2	0.0	1054.0	1	
16	46	-13650	-0	1	0	0	-0	1118.9	3.7	0.2	0.0	1122.6	6	
17	46	-13120	0	1	0	0	-1	1075.4	4.7	0.2	0.0	1080.1	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14365	1	1	27	17	17	1.08	1.00	1283.1	
1E	-14275	1	1	27	17	17	1.08	1.00	1275.2	
1I	-14416	1	1	27	17	17	1.08	1.00	1287.4	
1M	-14224	1	1	27	17	17	1.08	1.00	1270.5	
2	-19020	1	1	27	17	17	1.08	1.00	1696.6	
3	-10590	0	1	27	17	17	1.08	1.00	944.4	
4	-10710	0	1	27	17	17	1.08	1.00	955.3	
5	-10650	0	1	27	17	17	1.08	1.00	950.5	
6	-23220	1	1	27	17	17	1.08	1.00	2072.4	
7	-12660	1	0	27	17	17	1.08	1.00	1127.1	
8	-13250	1	0	27	17	17	1.08	1.00	1179.8	
9	-13300	1	1	27	17	17	1.08	1.00	1187.5	
10	-22010	1	1	27	17	17	1.08	1.00	1962.9	
11	-12370	0	1	27	17	17	1.08	1.00	1102.9	
12	-12660	0	1	27	17	17	1.08	1.00	1129.0	
13	-12280	0	1	27	17	17	1.08	1.00	1095.5	
14	-23630	1	1	27	17	17	1.08	1.00	2106.7	
15	-12820	0	0	27	17	17	1.08	1.00	1140.2	
16	-13650	1	0	27	17	17	1.08	1.00	1215.0	
17	-13130	1	1	27	17	17	1.08	1.00	1170.5	

ASTA NUM. 134 NI 152 NF 158 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5787 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-14525	-1	2	0	0	-0	1190.6	0.7	0.4	0.0	1191.3	6	
1E	0	-14455	-1	2	0	0	-0	1184.8	0.7	0.4	0.0	1185.5	6	
1I	0	-14578	-1	1	0	-0	0	1194.9	0.9	0.3	0.0	1195.8	1	
1M	0	-14402	-1	1	0	-0	0	1180.5	0.9	0.3	0.0	1181.4	1	
2	0	-18990	-15	-0	0	-1	2	1556.6	18.9	3.6	0.0	1575.5	6	
3	0	-10460	-9	-0	0	-0	1	857.4	11.4	2.2	0.0	868.8	6	
4	0	-10660	-9	-0	0	-0	1	873.8	11.1	2.2	0.0	884.9	6	
5	0	-10630	-9	-0	0	-0	2	871.3	11.8	2.2	0.0	883.1	6	
6	0	-23470	-5	1	0	-0	0	1923.8	4.7	1.2	0.0	1928.4	6	
7	0	-12650	-3	1	0	-0	0	1036.9	2.3	0.7	0.0	1039.2	6	
8	0	-13410	-3	1	0	-0	0	1099.2	2.1	0.7	0.0	1101.3	1	
9	0	-13460	-3	1	0	-0	0	1103.3	2.9	0.7	0.0	1106.2	6	
10	0	-22210	-15	0	0	-1	2	1820.5	16.6	3.5	0.0	1837.1	6	
11	0	-12380	-9	0	0	-0	1	1014.8	10.0	2.1	0.0	1024.7	6	
12	0	-12680	-9	0	0	-0	1	1039.3	9.7	2.1	0.0	1049.0	6	
13	0	-12410	-9	0	0	-0	1	1017.2	10.3	2.1	0.0	1027.5	6	
14	0	-23890	-4	1	0	-0	0	1958.2	3.3	1.0	0.0	1961.5	1	
15	0	-12810	-3	1	0	-0	0	1050.0	1.7	0.6	0.0	1051.7	1	
16	0	-13700	-3	1	0	-0	0	1123.0	1.6	0.6	0.0	1124.5	1	
17	0	-13320	-3	1	0	-0	0	1091.8	2.1	0.6	0.0	1093.9	1	
1A	23	-14525	-1	2	0	-0	-0	1190.6	3.8	0.4	0.0	1194.4	1	
1E	23	-14455	-1	2	0	-0	-0	1184.8	3.8	0.4	0.0	1188.6	1	
1I	23	-14578	-2	1	0	-0	-0	1194.9	4.0	0.5	0.0	1198.9	1	
1M	23	-14402	-2	1	0	-0	-0	1180.5	4.0	0.5	0.0	1184.5	1	
2	23	-18985	-13	0	0	-1	-1	1556.1	7.3	3.0	0.0	1563.4	6	
3	23	-10460	-8	0	0	-0	-0	857.4	4.4	1.8	0.0	861.8	6	
4	23	-10655	-8	0	0	-0	-1	873.4	4.5	1.8	0.0	877.9	6	
5	23	-10625	-8	0	0	-0	-0	870.9	4.1	1.8	0.0	875.0	6	
6	23	-23465	-5	1	0	-1	-1	1923.4	7.0	1.2	0.0	1930.3	1	
7	23	-12645	-3	1	0	-0	-0	1036.5	4.0	0.7	0.0	1040.5	1	
8	23	-13410	-3	1	0	-0	-0	1099.2	4.2	0.7	0.0	1103.4	6	
9	23	-13460	-3	1	0	-0	-0	1103.3	4.1	0.7	0.0	1107.4	1	
10	23	-22210	-12	1	0	-1	-1	1820.5	9.2	2.9	0.0	1829.7	6	
11	23	-12375	-8	0	0	-0	-1	1014.3	5.6	1.8	0.0	1020.0	6	
12	23	-12675	-7	0	0	-0	-1	1038.9	5.8	1.8	0.0	1044.7	6	
13	23	-12405	-8	0	0	-0	-1	1016.8	5.3	1.8	0.0	1022.1	6	
14	23	-23890	-5	2	0	-1	-1	1958.2	7.8	1.1	0.0	1966.0	6	
15	23	-12810	-3	1	0	-0	-1	1050.0	4.7	0.6	0.0	1054.7	6	
16	23	-13695	-3	1	0	-0	-1	1122.5	4.9	0.6	0.0	1127.5	6	
17	23	-13315	-3	1	0	-0	-0	1091.4	4.4	0.6	0.0	1095.8	6	
1A	46	-14525	-2	2	0	-1	-1	1190.6	7.8	0.5	0.0	1198.4	1	
1E	46	-14455	-2	2	0	-1	-1	1184.8	7.8	0.5	0.0	1192.7	1	
1I	46	-14578	-3	1	0	-1	-1	1194.9	8.3	0.6	0.0	1203.2	6	
1M	46	-14402	-3	1	0	-1	-1	1180.5	8.3	0.6	0.0	1188.8	6	
2	46	-18980	-10	1	0	-1	-3	1555.7	26.4	2.4	0.0	1582.2	6	
3	46	-10460	-6	0	0	-0	-2	857.4	16.0	1.4	0.0	873.4	6	
4	46	-10650	-6	0	0	-0	-2	873.0	16.1	1.4	0.0	889.0	6	
5	46	-10620	-6	0	0	-0	-2	870.5	15.7	1.5	0.0	886.2	6	
6	46	-23460	-5	1	0	-1	-2	1923.0	15.9	1.2	0.0	1938.8	6	
7	46	-12640	-3	1	0	-1	-1	1036.1	9.2	0.7	0.0	1045.2	6	
8	46	-13410	-3	1	0	-1	-1	1099.2	9.5	0.7	0.0	1108.7	6	
9	46	-13460	-3	1	0	-1	-1	1103.3	9.1	0.7	0.0	1112.4	6	

10	46	-22210	-10	1	0	-1	-4	1820.5	28.0	2.3	0.0	1848.5	6
11	46	-12370	-6	0	0	-0	-2	1013.9	16.9	1.4	0.0	1030.8	6
12	46	-12670	-6	0	0	-0	-2	1038.5	17.0	1.4	0.0	1055.5	6
13	46	-12400	-6	0	0	-0	-2	1016.4	16.6	1.4	0.0	1033.0	6
14	46	-23890	-5	2	0	-1	-2	1958.2	16.2	1.1	0.0	1974.4	6
15	46	-12810	-3	1	0	-1	-1	1050.0	9.5	0.6	0.0	1059.5	6
16	46	-13690	-3	1	0	-1	-1	1122.1	9.8	0.6	0.0	1131.9	6
17	46	-13310	-3	1	0	-1	-1	1091.0	9.3	0.6	0.0	1100.3	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14525	0	0	27	17	17	1.08	1.00	1292.9	
1E	-14455	0	0	27	17	17	1.08	1.00	1286.7	
1I	-14578	0	1	27	17	17	1.08	1.00	1297.8	
1M	-14402	0	1	27	17	17	1.08	1.00	1282.2	
2	-18990	1	1	27	17	17	1.08	1.00	1695.9	
3	-10460	0	1	27	17	17	1.08	1.00	934.7	
4	-10660	0	1	27	17	17	1.08	1.00	952.3	
5	-10630	0	1	27	17	17	1.08	1.00	949.7	
6	-23470	1	1	27	17	17	1.08	1.00	2090.1	
7	-12650	0	1	27	17	17	1.08	1.00	1127.0	
8	-13410	0	1	27	17	17	1.08	1.00	1194.5	
9	-13460	0	0	27	17	17	1.08	1.00	1198.6	
10	-22210	1	1	27	17	17	1.08	1.00	1982.0	
11	-12380	0	1	27	17	17	1.08	1.00	1105.3	
12	-12680	0	1	27	17	17	1.08	1.00	1131.8	
13	-12410	0	1	27	17	17	1.08	1.00	1107.9	
14	-23890	1	1	27	17	17	1.08	1.00	2128.4	
15	-12810	0	1	27	17	17	1.08	1.00	1141.8	
16	-13700	0	1	27	17	17	1.08	1.00	1220.8	
17	-13320	0	1	27	17	17	1.08	1.00	1186.8	

ASTA NUM. 135 NI 53 NF 157 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5786 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13905	3	-1	0	-1	-2	1139.7	13.8	0.8	0.0	1153.5	6	
1E	0	-13815	3	-1	0	-1	-2	1132.4	13.8	0.8	0.0	1146.1	6	
1I	0	-13955	3	-1	0	-1	-1	1143.9	12.4	0.6	0.0	1156.2	6	
1M	0	-13765	3	-1	0	-1	-1	1128.3	12.4	0.6	0.0	1140.6	6	
2	0	-19020	-12	1	0	-1	1	1559.0	11.6	2.8	0.0	1570.6	6	
3	0	-10860	-8	1	0	-0	1	890.2	7.4	1.8	0.0	897.6	6	
4	0	-9985	-7	1	0	-0	1	818.4	6.2	1.7	0.0	824.6	6	
5	0	-11200	-7	0	0	-0	1	918.0	6.5	1.7	0.0	924.5	6	
6	0	-22620	1	-1	0	-1	-2	1854.1	15.9	0.3	0.0	1870.0	6	
7	0	-12690	1	-1	0	-1	-1	1040.2	9.0	0.2	0.0	1049.1	6	
8	0	-12010	1	-1	0	-1	-1	984.4	9.7	0.2	0.0	994.2	6	
9	0	-13650	1	-1	0	-1	-1	1118.9	11.0	0.2	0.0	1129.8	6	
10	0	-21400	-12	0	0	-1	1	1754.1	11.1	2.8	0.0	1765.2	6	
11	0	-12250	-8	0	0	-0	1	1004.1	7.1	1.8	0.0	1011.2	6	
12	0	-11580	-7	0	0	-0	1	949.2	5.1	1.7	0.0	954.3	6	
13	0	-12470	-7	0	0	-0	1	1022.1	6.4	1.7	0.0	1028.6	6	
14	0	-23030	1	-1	0	-1	-1	1887.7	13.5	0.3	0.0	1901.2	6	
15	0	-12860	0	-0	0	-1	-1	1054.1	7.3	0.1	0.0	1061.4	6	
16	0	-12460	1	-0	0	-1	-1	1021.3	9.6	0.2	0.0	1031.0	6	
17	0	-13510	1	-1	0	-1	-1	1107.4	8.6	0.2	0.0	1116.0	6	
1A	23	-13905	3	-1	0	-1	-1	1139.7	8.0	0.7	0.0	1147.8	6	
1E	23	-13815	3	-1	0	-1	-1	1132.4	8.0	0.7	0.0	1140.4	6	
1I	23	-13955	2	-1	0	-1	-1	1143.9	7.8	0.5	0.0	1151.7	6	
1M	23	-13765	2	-1	0	-1	-1	1128.3	7.8	0.5	0.0	1136.1	6	
2	23	-19020	-9	0	0	-1	-1	1559.0	9.4	2.2	0.0	1568.4	6	
3	23	-10855	-6	0	0	-0	-1	889.8	5.2	1.4	0.0	895.0	6	
4	23	-9983	-6	0	0	-0	-1	818.2	5.8	1.3	0.0	824.1	6	
5	23	-11200	-6	0	0	-0	-1	918.0	6.4	1.4	0.0	924.4	6	
6	23	-22615	1	-2	0	-1	-1	1853.7	12.8	0.4	0.0	1866.5	6	
7	23	-12690	1	-1	0	-0	-1	1040.2	7.2	0.2	0.0	1047.4	6	
8	23	-12010	1	-1	0	-0	-1	984.4	7.8	0.2	0.0	992.2	6	
9	23	-13645	1	-1	0	-1	-1	1118.4	8.8	0.2	0.0	1127.2	6	
10	23	-21395	-10	0	0	-1	-1	1753.7	10.6	2.2	0.0	1764.3	6	
11	23	-12245	-6	0	0	-0	-1	1003.7	6.0	1.4	0.0	1009.7	6	
12	23	-11580	-6	0	0	-0	-1	949.2	7.3	1.3	0.0	956.4	6	
13	23	-12465	-6	0	0	-0	-1	1021.7	6.8	1.4	0.0	1028.5	6	
14	23	-23025	1	-1	0	-1	-1	1887.3	11.1	0.3	0.0	1898.4	6	
15	23	-12855	0	-0	0	-0	-1	1053.7	6.3	0.1	0.0	1059.9	6	
16	23	-12460	1	-0	0	-0	-1	1021.3	7.9	0.2	0.0	1029.2	6	
17	23	-13510	1	-1	0	-1	-1	1107.4	7.2	0.2	0.0	1114.6	6	
1A	46	-13905	2	-1	0	-0	-0	1139.7	3.7	0.5	0.0	1143.5	1	
1E	46	-13815	2	-1	0	-0	-0	1132.4	3.7	0.5	0.0	1136.1	1	
1I	46	-13955	1	-1	0	-0	-0	1143.9	4.3	0.3	0.0	1148.2	6	
1M	46	-13765	1	-1	0	-0	-0	1128.3	4.3	0.3	0.0	1132.6	6	
2	46	-19020	-7	-0	0	-1	-3	1559.0	22.9	1.6	0.0	1581.9	6	
3	46	-10850	-4	0	0	-0	-2	889.3	13.9	1.0	0.0	903.2	6	
4	46	-9980	-4	0	0	-0	-2	818.0	14.2	1.0	0.0	832.3	6	
5	46	-11200	-4	-0	0	-0	-2	918.0	14.6	1.0	0.0	932.7	6	
6	46	-22610	1	-2	0	-1	-1	1853.3	9.7	0.4	0.0	1863.0	6	
7	46	-12690	1	-1	0	-0	-1	1040.2	5.5	0.2	0.0	1045.7	6	
8	46	-12010	1	-1	0	-0	-1	984.4	5.8	0.2	0.0	990.2	6	
9	46	-13640	1	-1	0	-0	-1	1118.0	6.6	0.2	0.0	1124.6	6	
10	46	-21390	-7	-0	0	-1	-3	1753.3	24.1	1.6	0.0	1777.4	6	
11	46	-12240	-4	0	0	-0	-2	1003.3	14.6	1.0	0.0	1017.9	6	
12	46	-11580	-4	0	0	-0	-2	949.2	15.4	1.0	0.0	964.6	6	
13	46	-12460	-4	-0	0	-0	-2	1021.3	15.2	1.0	0.0	1036.5	6	
14	46	-23020	1	-1	0	-1	-1	1886.9	8.9	0.3	0.0	1895.8	6	
15	46	-12850	0	-1	0	-0	-1	1053.3	5.2	0.1	0.0	1058.5	6	
16	46	-12460	1	-1	0	-0	-1	1021.3	6.2	0.2	0.0	1027.5	6	
17	46	-13510	1	-1	0	-0	-1	1107.4	5.9	0.2	0.0	1113.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-13905	1	1	27	17	17	1.08	1.00	1243.7	
1E	-13815	1	1	27	17	17	1.08	1.00	1235.8	
1I	-13955	1	1	27	17	17	1.08	1.00	1247.6	
1M	-13765	1	1	27	17	17	1.08	1.00	1230.7	
2	-19020	1	1	27	17	17	1.08	1.00	1697.2	
3	-10860	0	1	27	17	17	1.08	1.00	969.0	
4	-9985	0	1	27	17	17	1.08	1.00	891.8	
5	-11200	0	1	27	17	17	1.08	1.00	1000.2	
6	-22620	1	1	27	17	17	1.08	1.00	2020.8	
7	-12690	1	1	27	17	17	1.08	1.00	1133.4	
8	-12010	0	1	27	17	17	1.08	1.00	1073.6	
9	-13650	1	1	27	17	17	1.08	1.00	1220.6	
10	-21400	1	1	27	17	17	1.08	1.00	1909.6	
11	-12250	0	1	27	17	17	1.08	1.00	1092.9	
12	-11580	0	1	27	17	17	1.08	1.00	1034.7	
13	-12470	0	1	27	17	17	1.08	1.00	1113.4	
14	-23030	1	1	27	17	17	1.08	1.00	2055.0	
15	-12860	0	1	27	17	17	1.08	1.00	1147.2	
16	-12460	0	1	27	17	17	1.08	1.00	1113.6	
17	-13510	1	1	27	17	17	1.08	1.00	1206.2	

ASTA NUM. 136 NI 153 NF 160 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.8715	-2.4679	--	--	2.7607	-9.5787 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-14175	-1	-0	0	0	0	1161.9	3.0	0.2	0.0	1164.9	1	
1E	0	-14105	-1	-0	0	0	0	1156.2	3.0	0.2	0.0	1159.2	1	
1I	0	-14228	-1	-1	0	0	0	1166.2	2.6	0.3	0.0	1168.8	1	
1M	0	-14052	-1	-1	0	0	0	1151.8	2.6	0.3	0.0	1154.4	1	
2	0	-19510	-15	0	0	1	2	1599.2	18.9	3.5	0.0	1618.0	6	
3	0	-11250	-9	0	0	0	2	922.1	11.8	2.2	0.0	933.9	6	
4	0	-10280	-9	0	0	0	2	842.6	12.1	2.2	0.0	854.7	6	
5	0	-11470	-9	0	0	0	2	940.2	11.8	2.2	0.0	952.0	6	
6	0	-23090	-5	-1	0	0	1	1892.6	5.8	1.2	0.0	1898.4	6	
7	0	-13120	-3	-1	0	0	0	1075.4	3.7	0.7	0.0	1079.1	6	
8	0	-12260	-3	-1	0	0	0	1004.9	4.0	0.7	0.0	1008.9	6	
9	0	-13900	-3	-1	0	0	0	1139.3	3.7	0.7	0.0	1143.0	6	
10	0	-21750	-15	-0	0	1	2	1782.8	17.8	3.5	0.0	1800.6	6	
11	0	-12540	-9	-0	0	0	1	1027.9	11.1	2.2	0.0	1039.0	6	
12	0	-11860	-9	-0	0	0	1	972.1	11.6	2.2	0.0	983.7	6	
13	0	-12630	-9	-0	0	0	1	1035.2	11.1	2.2	0.0	1046.3	6	
14	0	-23510	-5	-1	0	0	0	1927.0	3.9	1.1	0.0	1930.9	1	
15	0	-13290	-3	-1	0	0	0	1089.3	2.5	0.7	0.0	1091.9	6	
16	0	-12840	-3	-1	0	0	0	1052.5	3.0	0.7	0.0	1055.5	6	
17	0	-13750	-3	-1	0	0	0	1127.0	2.4	0.7	0.0	1129.5	6	
1A	23	-14175	-2	-0	0	1	-0	1161.9	4.3	0.4	0.0	1166.2	1	

1E	23	-14105	-2	-0	0	1	-0	1156.2	4.3	0.4	0.0	1160.4	1
1I	23	-14228	-2	-1	0	0	-0	1166.2	4.1	0.5	0.0	1170.3	1
1M	23	-14052	-2	-1	0	0	-0	1151.8	4.1	0.5	0.0	1155.9	1
2	23	-19505	-13	-0	0	1	-1	1598.8	7.1	3.0	0.0	1605.9	6
3	23	-11245	-8	-0	0	0	-0	921.7	4.1	1.8	0.0	925.8	6
4	23	-10275	-8	-0	0	0	-0	842.2	3.6	1.8	0.0	845.8	6
5	23	-11465	-8	-0	0	0	-0	939.8	4.1	1.8	0.0	943.9	6
6	23	-23085	-5	-1	0	1	-1	1892.2	6.8	1.2	0.0	1899.0	1
7	23	-13120	-3	-1	0	0	-0	1075.4	3.7	0.7	0.0	1079.2	1
8	23	-12260	-3	-1	0	0	-0	1004.9	3.7	0.7	0.0	1008.6	1
9	23	-13895	-3	-1	0	0	-0	1138.9	3.9	0.7	0.0	1142.9	1
10	23	-21745	-13	-0	0	1	-1	1782.4	8.4	3.0	0.0	1790.8	6
11	23	-12540	-8	-0	0	0	-1	1027.9	4.9	1.8	0.0	1032.8	6
12	23	-11855	-8	-0	0	0	-0	971.7	4.4	1.8	0.0	976.1	6
13	23	-12630	-8	-0	0	0	-1	1035.2	4.9	1.8	0.0	1040.1	6
14	23	-23510	-5	-2	0	1	-1	1927.0	7.2	1.1	0.0	1934.3	1
15	23	-13290	-3	-1	0	0	-0	1089.3	4.0	0.7	0.0	1093.3	1
16	23	-12835	-3	-1	0	0	-0	1052.0	3.9	0.7	0.0	1056.0	1
17	23	-13750	-3	-1	0	0	-0	1127.0	4.1	0.7	0.0	1131.2	1
1A	46	-14175	-2	-0	0	1	-1	1161.9	6.4	0.5	0.0	1168.3	6
1E	46	-14105	-2	-0	0	1	-1	1156.2	6.4	0.5	0.0	1162.6	6
1I	46	-14228	-3	-1	0	1	-1	1166.2	7.6	0.6	0.0	1173.8	6
1M	46	-14052	-3	-1	0	1	-1	1151.8	7.6	0.6	0.0	1159.4	6
2	46	-19500	-10	-1	0	1	-3	1598.4	26.1	2.4	0.0	1624.4	6
3	46	-11240	-6	-0	0	0	-2	921.3	15.7	1.5	0.0	937.0	6
4	46	-10270	-6	-0	0	0	-2	841.8	15.1	1.4	0.0	856.9	6
5	46	-11460	-6	-0	0	0	-2	939.3	15.7	1.5	0.0	955.1	6
6	46	-23080	-5	-1	0	1	-2	1891.8	15.3	1.2	0.0	1907.1	6
7	46	-13120	-3	-1	0	1	-1	1075.4	8.7	0.7	0.0	1084.1	6
8	46	-12260	-3	-1	0	1	-1	1004.9	8.2	0.7	0.0	1013.1	6
9	46	-13890	-3	-1	0	1	-1	1138.5	9.0	0.7	0.0	1147.6	6
10	46	-21740	-10	-1	0	1	-4	1782.0	27.5	2.4	0.0	1809.4	6
11	46	-12540	-6	-0	0	0	-2	1027.9	16.5	1.4	0.0	1044.4	6
12	46	-11850	-6	-0	0	0	-2	971.3	15.9	1.4	0.0	987.2	6
13	46	-12630	-6	-0	0	0	-2	1035.2	16.5	1.4	0.0	1051.7	6
14	46	-23510	-5	-2	0	1	-2	1927.0	15.6	1.1	0.0	1942.7	6
15	46	-13290	-3	-1	0	1	-1	1089.3	9.0	0.7	0.0	1098.4	6
16	46	-12830	-3	-1	0	1	-1	1051.6	8.6	0.7	0.0	1060.2	6
17	46	-13750	-3	-1	0	1	-1	1127.0	9.2	0.7	0.0	1136.3	6

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	-14175	1	0	27	17	17	1.08	1.00	1261.5	
1E	-14105	1	0	27	17	17	1.08	1.00	1255.3	
1I	-14228	1	0	27	17	17	1.08	1.00	1266.3	
1M	-14052	1	0	27	17	17	1.08	1.00	1250.8	
2	-19510	1	1	27	17	17	1.08	1.00	1741.8	
3	-11250	0	1	27	17	17	1.08	1.00	1004.5	
4	-10280	0	1	27	17	17	1.08	1.00	918.4	
5	-11470	0	1	27	17	17	1.08	1.00	1024.0	
6	-23090	1	1	27	17	17	1.08	1.00	2055.8	
7	-13120	0	0	27	17	17	1.08	1.00	1167.9	
8	-12260	0	0	27	17	17	1.08	1.00	1091.4	
9	-13900	0	0	27	17	17	1.08	1.00	1237.2	
10	-21750	1	1	27	17	17	1.08	1.00	1941.2	
11	-12540	0	1	27	17	17	1.08	1.00	1119.3	
12	-11860	0	1	27	17	17	1.08	1.00	1058.9	
13	-12630	0	1	27	17	17	1.08	1.00	1127.3	
14	-23510	1	1	27	17	17	1.08	1.00	2094.0	
15	-13290	0	1	27	17	17	1.08	1.00	1183.6	
16	-12840	0	0	27	17	17	1.08	1.00	1143.3	
17	-13750	0	1	27	17	17	1.08	1.00	1224.5	

ASTA NUM. 137 NI 51 NF 163 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14745	2	-0	0	-1	0	1208.6	5.9	0.4	0.0	1214.5	1	
1E	0	14835	2	-0	0	-1	0	1216.0	5.9	0.4	0.0	1221.8	1	
1I	0	14695	1	-0	0	-1	0	1204.5	6.2	0.2	0.0	1210.7	1	
1M	0	14885	1	-0	0	-1	0	1220.1	6.2	0.2	0.0	1226.3	1	
2	0	20460	20	1	0	-1	-3	1677.0	24.0	4.6	0.0	1701.0	6	
3	0	12710	13	0	0	-0	-2	1041.8	16.3	2.9	0.0	1058.1	6	
4	0	11590	13	1	0	-0	-2	950.0	16.6	2.9	0.0	966.6	6	
5	0	12400	13	0	0	-0	-2	1016.4	18.2	3.0	0.0	1034.6	6	
6	0	23930	7	-0	0	-1	-0	1961.5	8.8	1.6	0.0	1970.3	1	
7	0	14890	5	-1	0	-1	-1	1220.5	7.4	1.1	0.0	1227.9	1	
8	0	13820	5	-0	0	-1	-1	1132.8	6.2	1.1	0.0	1139.0	1	
9	0	14840	5	-1	0	-1	-1	1216.4	7.8	1.1	0.0	1224.2	6	
10	0	21900	19	1	0	-1	-3	1795.1	22.0	4.5	0.0	1817.1	6	
11	0	13500	12	0	0	-1	-2	1106.6	15.4	2.9	0.0	1121.9	6	
12	0	12380	12	1	0	-0	-2	1014.8	16.2	2.9	0.0	1030.9	6	
13	0	13270	13	0	0	-0	-2	1087.7	17.0	2.9	0.0	1104.7	6	
14	0	23510	7	-1	0	-1	-0	1927.0	8.8	1.5	0.0	1935.9	1	
15	0	14520	5	-1	0	-1	-0	1190.2	7.4	1.1	0.0	1197.5	1	
16	0	13370	4	-0	0	-1	-1	1095.9	6.3	1.0	0.0	1102.3	1	
17	0	14530	5	-1	0	-1	-1	1191.0	7.3	1.1	0.0	1198.3	1	
1A	23	14750	1	-0	0	-1	1	1209.0	6.1	0.2	0.0	1215.1	1	
1E	23	14840	1	-0	0	-1	1	1216.4	6.1	0.2	0.0	1222.5	1	
1I	23	14700	0	-0	0	-1	1	1204.9	5.9	0.1	0.0	1210.8	1	
1M	23	14890	0	-0	0	-1	1	1220.5	5.9	0.1	0.0	1226.4	1	
2	23	20465	15	1	0	-1	1	1677.5	8.3	3.6	0.0	1685.7	6	
3	23	12710	10	0	0	-1	0	1041.8	5.0	2.3	0.0	1046.8	1	
4	23	11590	10	0	0	-0	0	950.0	4.2	2.3	0.0	954.2	1	
5	23	12400	10	0	0	-0	0	1016.4	4.1	2.4	0.0	1020.5	1	
6	23	23935	5	-1	0	-1	1	1961.9	9.0	1.2	0.0	1970.9	1	
7	23	14890	4	-1	0	-1	0	1220.5	5.7	0.9	0.0	1226.2	1	
8	23	13825	3	-0	0	-1	0	1133.2	5.2	0.8	0.0	1138.4	1	
9	23	14840	4	-1	0	-1	0	1216.4	4.9	0.9	0.0	1221.3	1	
10	23	21905	15	1	0	-1	1	1795.5	10.0	3.5	0.0	1805.5	6	
11	23	13500	10	0	0	-1	1	1106.6	5.6	2.3	0.0	1112.1	6	
12	23	12380	10	0	0	-0	0	1014.8	4.6	2.3	0.0	1019.4	1	
13	23	13270	10	0	0	-1	0	1087.7	4.8	2.3	0.0	1092.5	1	
14	23	23515	5	-1	0	-1	1	1927.5	10.4	1.1	0.0	1937.9	6	
15	23	14525	3	-1	0	-1	0	1190.6	6.1	0.8	0.0	1196.7	1	
16	23	13370	3	-1	0	-1	0	1095.9	5.1	0.8	0.0	1101.0	1	
17	23	14530	4	-1	0	-1	0	1191.0	5.4	0.8	0.0	1196.4	1	
1A	46	14755	0	-0	0	-1	1	1209.4	6.6	0.1	0.0	1216.1	6	
1E	46	14845	0	-0	0	-1	1	1216.8	6.6	0.1	0.0	1223.4	6	
1I	46	14705	-0	-0	0	-1	1	1205.3	5.5	0.1	0.0	1210.8	6	
1M	46	14895	-0	-0	0	-1	1	1220.9	5.5	0.1	0.0	1226.4	6	
2	46	20470	11	0	0	-1	4	1677.9	30.2	2.6	0.0	1708.1	6	
3	46	12710	7	-0	0	-1	2	1041.8	18.8	1.7	0.0	1060.6	6	
4	46	11590	7	0	0	-1	2	950.0	18.1	1.7	0.0	968.1	6	
5	46	12400	7	0	0	-1	2	1016.4	17.4	1.7	0.0	1033.8	6	
6	46	23940	3	-1	0	-1	2	1962.3	15.4	0.8	0.0	1977.7	6	
7	46	14890	3	-1	0	-0	1	1220.5	9.3	0.6	0.0	1229.8	6	
8	46	13830	2	-0	0	-0	1	1133.6	8.9	0.6	0.0	1142.5	6	
9	46	14840	3	-1	0	-0	1	1216.4	8.1	0.6	0.0	1224.4	6	
10	46	21910	11	0	0	-1	4	1795.9	31.0	2.5	0.0	1826.9	6	
11	46	13500	7	-0	0	-1	2	1106.6	19.1	1.6	0.0	1125.7	6	
12	46	12380	7	0	0	-1	2	1014.8	18.1	1.6	0.0	1032.9	6	
13	46	13270	7	0	0	-1	2	1087.7	18.1	1.7	0.0	1105.8	6	
14	46	23520	3	-1	0	-1	2	1927.9	16.2	0.7	0.0	1944.1	6	
15	46	14530	2	-1	0	-0	1	1191.0	9.4	0.5	0.0	1200.4	6	
16	46	13370	2	-1	0	-0	1	1095.9	8.5	0.5	0.0	1104.4	6	
17	46	14530	2	-1	0	-0	1	1191.0	8.6	0.6	0.0	1199.6	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14755	1	1	27	17	17	1.00	1.00	1218.0	
1E	14845	1	1	27	17	17	1.00	1.00	1225.3	
1I	14705	1	1	27	17	17	1.00	1.00	1213.6	
1M	14895	1	1	27	17	17	1.00	1.00	1229.2	
2	20470	1	2	27	17	17	1.00	1.00	1694.5	
3	12710	1	1	27	17	17	1.00	1.00	1052.4	
4	11590	0	1	27	17	17	1.00	1.00	959.9	
5	12400	0	1	27	17	17	1.00	1.00	1026.7	
6	23940	1	1	27	17	17	1.00	1.00	1975.6	
7	14890	1	0	27	17	17	1.00	1.00	1228.6	
8	13830	1	0	27	17	17	1.00	1.00	1140.9	
9	14840	1	0	27	17	17	1.00	1.00	1223.7	
10	21910	1	2	27	17	17	1.00	1.00	1813.3	
11	13500	1	1	27	17	17	1.00	1.00	1117.5	
12	12380	0	1	27	17	17	1.00	1.00	1024.9	
13	13270	1	1	27	17	17	1.00	1.00	1098.1	
14	23520	1	1	27	17	17	1.00	1.00	1943.0	
15	14530	1	1	27	17	17	1.00	1.00	1199.7	
16	13370	1	0	27	17	17	1.00	1.00	1103.1	
17	14530	1	0	27	17	17	1.00	1.00	1198.7	

ASTA NUM. 138 NI 149 NF 164 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	15005	4	0	0	1	-0	1229.9	4.2	1.0	0.0	1234.1	1	
1E	0	15075	4	0	0	1	-0	1235.6	4.2	1.0	0.0	1239.8	1	
1I	0	14952	4	-0	0	0	-0	1225.6	3.0	0.8	0.0	1228.5	1	
1M	0	15128	4	-0	0	0	-0	1240.0	3.0	0.8	0.0	1242.9	1	
2	0	20660	21	1	0	1	-3	1693.4	23.1	4.8	0.0	1716.6	6	
3	0	12350	13	0	0	0	-2	1012.3	13.4	2.9	0.0	1025.7	6	
4	0	11720	13	0	0	0	-2	960.7	13.9	3.0	0.0	974.6	6	
5	0	12670	13	0	0	0	-2	1038.5	13.7	3.0	0.0	1052.2	6	
6	0	24290	10	-1	0	1	-1	1991.0	8.9	2.5	0.0	1999.8	6	
7	0	14370	6	-0	0	0	-0	1177.9	4.0	1.4	0.0	1181.9	6	
8	0	14080	6	-0	0	0	-1	1154.1	5.0	1.5	0.0	1159.1	6	
9	0	15270	6	-0	0	0	-1	1251.6	4.6	1.5	0.0	1256.2	6	
10	0	22180	21	1	0	1	-3	1818.0	24.5	5.0	0.0	1842.6	6	
11	0	13190	13	0	0	0	-2	1081.1	14.3	3.0	0.0	1095.4	6	
12	0	12490	13	0	0	0	-2	1023.8	14.7	3.0	0.0	1038.5	6	
13	0	13610	13	0	0	0	-2	1115.6	14.2	3.0	0.0	1129.7	6	
14	0	23860	11	-1	0	1	-1	1955.7	11.0	2.6	0.0	1966.7	6	
15	0	13990	6	-0	0	0	-1	1146.7	5.1	1.5	0.0	1151.8	6	
16	0	13510	6	-0	0	0	-1	1107.4	5.9	1.5	0.0	1113.3	6	
17	0	14980	6	-0	0	0	-1	1227.9	5.1	1.5	0.0	1233.0	6	
1A	23	15010	3	0	0	1	1	1230.3	6.3	0.8	0.0	1236.7	6	
1E	23	15080	3	0	0	1	1	1236.1	6.3	0.8	0.0	1242.4	6	
1I	23	14957	3	-0	0	0	1	1226.0	6.3	0.7	0.0	1232.3	6	
1M	23	15133	3	-0	0	0	1	1240.4	6.3	0.7	0.0	1246.7	6	
2	23	20660	16	0	0	1	1	1693.4	10.9	3.8	0.0	1704.3	6	
3	23	12350	10	0	0	0	1	1012.3	7.1	2.3	0.0	1019.4	6	
4	23	11720	10	0	0	0	1	960.7	6.6	2.3	0.0	967.3	6	
5	23	12670	10	0	0	0	1	1038.5	7.0	2.4	0.0	1045.5	6	
6	23	24290	9	-1	0	1	1	1991.0	10.5	2.0	0.0	2001.4	6	
7	23	14370	5	-0	0	0	1	1177.9	7.0	1.2	0.0	1184.9	6	
8	23	14080	5	-0	0	0	1	1154.1	6.4	1.2	0.0	1160.5	6	
9	23	15270	5	-0	0	0	1	1251.6	6.9	1.2	0.0	1258.5	6	
10	23	22180	17	0	0	1	1	1818.0	10.7	4.0	0.0	1828.7	6	
11	23	13190	10	0	0	0	1	1081.1	6.9	2.4	0.0	1088.1	6	
12	23	12490	10	0	0	0	1	1023.8	6.5	2.4	0.0	1030.3	6	
13	23	13610	10	0	0	0	1	1115.6	7.0	2.4	0.0	1122.6	6	
14	23	23860	9	-1	0	1	1	1955.7	9.3	2.2	0.0	1965.1	6	
15	23	13995	5	-0	0	0	1	1147.1	6.3	1.2	0.0	1153.4	6	
16	23	13510	5	-0	0	0	1	1107.4	5.7	1.3	0.0	1113.1	6	
17	23	14985	5	-0	0	0	1	1228.3	6.4	1.3	0.0	1234.7	6	
1A	46	15015	3	0	0	0	1	1230.7	11.5	0.7	0.0	1242.3	6	
1E	46	15085	3	0	0	0	1	1236.5	11.5	0.7	0.0	1248.0	6	
1I	46	14962	2	-0	0	1	1	1226.4	10.8	0.5	0.0	1237.2	6	
1M	46	15138	2	-0	0	1	1	1240.8	10.8	0.5	0.0	1251.6	6	
2	46	20660	12	0	0	1	5	1693.4	34.1	2.8	0.0	1727.6	6	
3	46	12350	7	0	0	0	3	1012.3	21.0	1.7	0.0	1033.3	6	
4	46	11720	7	0	0	0	3	960.7	20.6	1.7	0.0	981.3	6	
5	46	12670	7	0	0	0	3	1038.5	21.2	1.7	0.0	1059.8	6	
6	46	24290	7	-1	0	1	3	1991.0	23.9	1.6	0.0	2014.9	6	
7	46	14370	4	-1	0	1	2	1177.9	14.6	0.9	0.0	1192.5	6	
8	46	14080	4	-0	0	1	2	1154.1	14.3	1.0	0.0	1168.4	6	
9	46	15270	4	-0	0	0	2	1251.6	15.0	1.0	0.0	1266.6	6	
10	46	22180	13	-0	0	1	5	1818.0	34.8	3.0	0.0	1852.8	6	
11	46	13190	8	0	0	0	3	1081.1	21.4	1.8	0.0	1102.6	6	
12	46	12490	8	0	0	0	3	1023.8	21.1	1.8	0.0	1044.8	6	
13	46	13610	8	0	0	0	3	1115.6	21.7	1.8	0.0	1137.2	6	
14	46	23860	7	-1	0	1	3	1955.7	23.5	1.8	0.0	1979.3	6	
15	46	14000	4	-0	0	1	2	1147.5	14.2	1.0	0.0	1161.8	6	
16	46	13510	4	-0	0	1	2	1107.4	13.9	1.0	0.0	1121.3	6	
17	46	14990	4	-0	0	0	2	1228.7	14.6	1.0	0.0	1243.3	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	15015	1	1	27	17	17	1.00	1.00	1240.0	
1E	15085	1	1	27	17	17	1.00	1.00	1245.7	
1I	14962	0	1	27	17	17	1.00	1.00	1235.4	
1M	15138	0	1	27	17	17	1.00	1.00	1249.8	
2	20660	1	2	27	17	17	1.00	1.00	1711.3	
3	12350	0	1	27	17	17	1.00	1.00	1023.1	
4	11720	0	1	27	17	17	1.00	1.00	971.3	
5	12670	0	1	27	17	17	1.00	1.00	1049.3	
6	24290	1	1	27	17	17	1.00	1.00	2006.6	
7	14370	0	1	27	17	17	1.00	1.00	1187.7	
8	14080	0	1	27	17	17	1.00	1.00	1163.3	
9	15270	0	1	27	17	17	1.00	1.00	1261.3	
10	22180	1	2	27	17	17	1.00	1.00	1836.5	
11	13190	0	1	27	17	17	1.00	1.00	1092.3	
12	12490	0	1	27	17	17	1.00	1.00	1034.8	
13	13610	0	1	27	17	17	1.00	1.00	1126.7	
14	23860	1	1	27	17	17	1.00	1.00	1970.3	
15	14000	0	1	27	17	17	1.00	1.00	1156.6	
16	13510	0	1	27	17	17	1.00	1.00	1116.0	
17	14990	0	1	27	17	17	1.00	1.00	1237.9	

ASTA NUM. 139 NI 52 NF 162 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	14295	1	1	0	1	1	1171.7	6.5	0.3	0.0	1178.3	1	
1E	0	14385	1	1	0	1	1	1179.1	6.5	0.3	0.0	1185.6	1	
1I	0	14245	0	1	0	1	1	1167.6	7.6	0.2	0.0	1175.2	6	
1M	0	14435	0	1	0	1	1	1183.2	7.6	0.2	0.0	1190.8	6	
2	0	19540	19	-1	0	0	-3	1601.6	19.8	4.4	0.0	1621.4	6	
3	0	11150	11	-1	0	0	-1	913.9	8.2	2.6	0.0	922.2	6	
4	0	10710	12	-1	0	0	-1	877.9	10.7	2.7	0.0	888.5	6	
5	0	9605	12	-1	0	-0	-2	787.3	12.2	2.7	0.0	799.5	6	
6	0	23330	6	0	0	1	-0	1912.3	6.9	1.5	0.0	1919.2	1	
7	0	12970	3	0	0	1	1	1063.1	7.3	0.7	0.0	1070.4	6	
8	0	13000	3	0	0	1	0	1065.6	4.5	0.8	0.0	1070.1	1	
9	0	11640	4	-0	0	0	-0	954.1	1.7	0.8	0.0	955.8	1	
10	0	21290	19	-1	0	1	-2	1745.1	18.7	4.3	0.0	1763.8	6	
11	0	12130	11	-1	0	0	-1	994.3	7.9	2.6	0.0	1002.1	6	
12	0	11720	11	-1	0	0	-1	960.7	10.3	2.7	0.0	970.9	6	
13	0	10580	11	-1	0	0	-2	867.2	11.1	2.7	0.0	878.3	6	
14	0	22910	6	1	0	1	0	1877.9	8.3	1.4	0.0	1886.1	1	
15	0	12610	3	0	0	1	1	1033.6	8.6	0.6	0.0	1042.2	6	
16	0	12600	3	0	0	1	0	1032.8	4.8	0.8	0.0	1037.6	1	
17	0	11180	3	-0	0	0	0	916.4	2.7	0.7	0.0	919.1	1	
1A	23	14295	1	1	0	1	1	1171.7	7.1	0.2	0.0	1178.8	6	
1E	23	14385	1	1	0	1	1	1179.1	7.1	0.2	0.0	1186.2	6	
1I	23	14245	-0	1	0	1	1	1167.6	7.3	0.2	0.0	1174.9	6	
1M	23	14435	-0	1	0	1	1	1183.2	7.3	0.2	0.0	1190.5	6	
2	23	19545	15	-1	0	1	1	1602.0	10.6	3.4	0.0	1612.6	6	
3	23	11150	8	-1	0	0	1	913.9	9.6	2.0	0.0	923.6	6	
4	23	10710	9	-1	0	0	1	877.9	7.5	2.1	0.0	885.3	6	
5	23	9606	9	-1	0	0	1	787.4	5.3	2.1	0.0	792.7	6	
6	23	23330	4	0	0	1	1	1912.3	10.9	1.0	0.0	1923.2	6	
7	23	12975	2	0	0	1	1	1063.5	11.2	0.4	0.0	1074.7	6	
8	23	13000	2	0	0	0	1	1065.6	8.2	0.6	0.0	1073.8	6	
9	23	11640	2	-0	0	0	1	954.1	5.4	0.6	0.0	959.5	6	
10	23	21290	14	-1	0	1	1	1745.1	11.9	3.3	0.0	1757.0	6	
11	23	12130	8	-0	0	0	1	994.3	10.2	1.9	0.0	1004.4	6	
12	23	11720	9	-1	0	0	1	960.7	7.9	2.0	0.0	968.6	6	
13	23	10580	9	-1	0	0	1	867.2	6.3	2.0	0.0	873.5	6	
14	23	22915	4	1	0	1	1	1878.3	12.6	1.0	0.0	1890.8	6	
15	23	12610	2	0	0	1	1	1033.6	11.9	0.4	0.0	1045.5	6	
16	23	12605	2	0	0	0	1	1033.2	8.6	0.5	0.0	1041.8	6	
17	23	11180	2	-0	0	0	1	916.4	6.7	0.5	0.0	923.1	6	
1A	46	14295	-0	1	0	0	1	1171.7	6.9	0.2	0.0	1178.6	6	
1E	46	14385	-0	1	0	0	1	1179.1	6.9	0.2	0.0	1186.0	6	
1I	46	14245	-1	1	0	0	1	1167.6	6.0	0.2	0.0	1173.6	6	
1M	46	14435	-1	1	0	0	1	1183.2	6.0	0.2	0.0	1189.2	6	
2	46	19550	10	-1	0	1	4	1602.5	31.5	2.4	0.0	1634.0	6	
3	46	11150	6	-0	0	1	3	913.9	21.7	1.4	0.0	935.6	6	
4	46	10710	6	-1	0	1	3	877.9	20.2	1.4	0.0	898.0	6	
5	46	9607	6	-1	0	0	2	787.5	18.3	1.4	0.0	805.8	6	
6	46	23330	3	0	0	1	2	1912.3	16.6	0.6	0.0	1928.9	6	
7	46	12980	1	0	0	0	2	1063.9	13.2	0.2	0.0	1077.1	6	
8	46	13000	1	0	0	0	1	1065.6	11.2	0.3	0.0	1076.8	6	
9	46	11640	1	-0	0	0	1	954.1	8.8	0.3	0.0	962.9	6	
10	46	21290	10	-0	0	1	4	1745.1	32.1	2.3	0.0	1777.2	6	
11	46	12130	6	-0	0	1	3	994.3	21.9	1.3	0.0	1016.1	6	
12	46	11720	6	-0	0	1	3	960.7	20.3	1.4	0.0	980.9	6	
13	46	10580	6	-1	0	0	2	867.2	18.8	1.4	0.0	886.0	6	
14	46	22920	2	1	0	1	2	1878.7	17.4	0.5	0.0	1896.1	6	
15	46	12610	0	0	0	0	2	1033.6	13.4	0.1	0.0	1047.0	6	
16	46	12610	1	0	0	0	1	1033.6	11.1	0.2	0.0	1044.7	6	
17	46	11180	1	-0	0	0	1	916.4	9.4	0.2	0.0	925.8	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14295	1	1	27	17	17	1.00	1.00	1181.0	
1E	14385	1	1	27	17	17	1.00	1.00	1188.4	
1I	14245	1	1	27	17	17	1.00	1.00	1177.2	
1M	14435	1	1	27	17	17	1.00	1.00	1192.8	
2	19550	1	2	27	17	17	1.00	1.00	1619.1	
3	11150	0	1	27	17	17	1.00	1.00	926.1	
4	10710	0	1	27	17	17	1.00	1.00	888.1	
5	9607	0	1	27	17	17	1.00	1.00	796.2	
6	23330	1	1	27	17	17	1.00	1.00	1927.2	
7	12980	1	1	27	17	17	1.00	1.00	1077.2	
8	13000	0	1	27	17	17	1.00	1.00	1075.9	
9	11640	0	1	27	17	17	1.00	1.00	961.0	
10	21290	1	2	27	17	17	1.00	1.00	1762.6	
11	12130	0	1	27	17	17	1.00	1.00	1007.1	
12	11720	0	1	27	17	17	1.00	1.00	971.2	
13	10580	0	1	27	17	17	1.00	1.00	876.5	
14	22920	1	1	27	17	17	1.00	1.00	1895.4	
15	12610	1	1	27	17	17	1.00	1.00	1047.6	
16	12610	0	1	27	17	17	1.00	1.00	1044.2	
17	11180	0	1	27	17	17	1.00	1.00	924.5	

ASTA NUM. 140 NI 148 NF 165 Lungh. 46.0 cm SEZ. 14 Ps L 90X 7

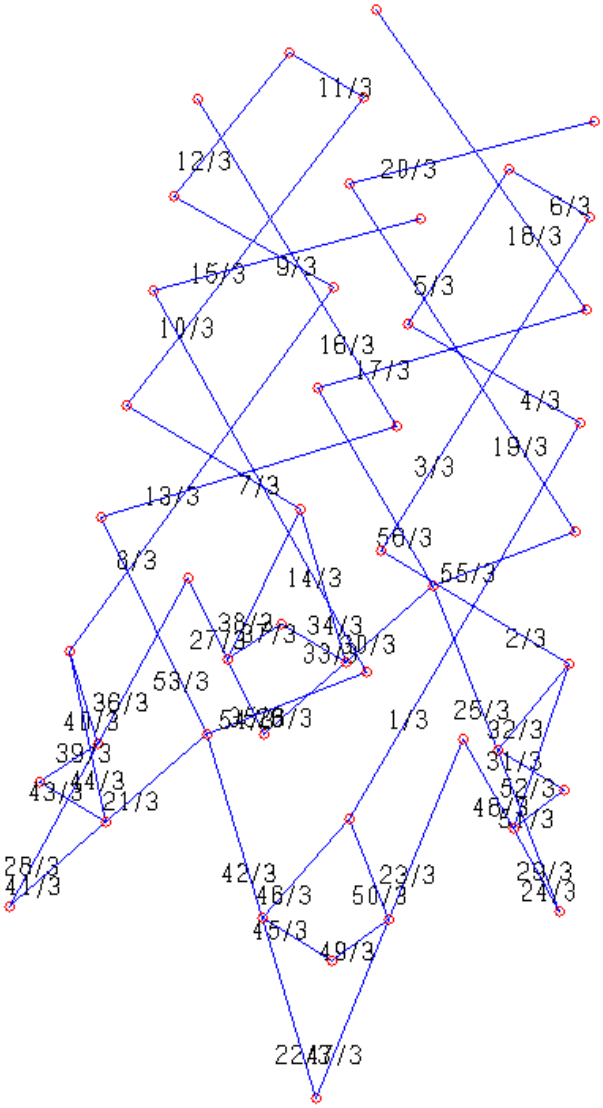
qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.8715	2.4679	--	--	2.7607	15.1000 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14655	4	1	0	-0	-0	1201.2	2.5	1.0	0.0	1203.7	6	
1E	0	14725	4	1	0	-0	-0	1207.0	2.5	1.0	0.0	1209.4	6	
1I	0	14602	4	1	0	-0	-0	1196.9	2.2	0.9	0.0	1199.1	1	
1M	0	14778	4	1	0	-0	-0	1211.3	2.2	0.9	0.0	1213.5	1	
2	0	20000	21	-1	0	-1	-3	1639.3	24.6	4.9	0.0	1664.0	6	
3	0	11860	13	-0	0	-0	-2	972.1	15.6	2.9	0.0	987.7	6	
4	0	10940	13	-1	0	-0	-2	896.7	15.7	3.0	0.0	912.4	6	
5	0	9700	13	-1	0	-0	-2	795.1	17.2	3.1	0.0	812.3	6	
6	0	23900	11	1	0	-1	-1	1959.0	10.1	2.5	0.0	1969.1	6	
7	0	14000	6	0	0	-0	-1	1147.5	6.7	1.4	0.0	1154.2	6	
8	0	13270	6	0	0	-0	-1	1087.7	6.8	1.5	0.0	1094.5	6	
9	0	11750	7	0	0	-0	-1	963.1	8.7	1.6	0.0	971.8	6	
10	0	21710	21	-1	0	-1	-3	1779.5	25.8	5.0	0.0	1805.3	6	
11	0	12810	13	-0	0	-1	-2	1050.0	16.3	3.0	0.0	1066.3	6	
12	0	12000	13	-0	0	-0	-2	983.6	16.5	3.1	0.0	1000.1	6	
13	0	10630	14	-1	0	-1	-2	871.3	17.9	3.2	0.0	889.2	6	
14	0	23480	11	1	0	-1	-1	1924.6	12.2	2.6	0.0	1936.8	6	
15	0	13620	6	0	0	-0	-1	1116.4	7.8	1.5	0.0	1124.2	6	
16	0	12980	7	0	0	-0	-1	1063.9	7.9	1.6	0.0	1071.9	6	
17	0	11240	7	0	0	-0	-1	921.3	9.7	1.7	0.0	931.0	6	
1A	23	14660	4	1	0	-0	1	1201.6	5.5	0.8	0.0	1207.1	6	
1E	23	14730	4	1	0	-0	1	1207.4	5.5	0.8	0.0	1212.8	6	
1I	23	14607	3	1	0	-0	1	1197.3	5.5	0.7	0.0	1202.9	6	
1M	23	14783	3	1	0	-0	1	1211.7	5.5	0.7	0.0	1217.2	6	
2	23	20000	17	-0	0	-1	1	1639.3	9.8	3.9	0.0	1649.2	6	
3	23	11860	10	-0	0	-0	1	972.1	5.2	2.3	0.0	977.3	6	
4	23	10940	10	-0	0	-0	1	896.7	5.4	2.4	0.0	902.1	6	
5	23	9701	11	-0	0	-0	1	795.2	4.7	2.5	0.0	799.9	6	
6	23	23905	9	1	0	-1	1	1959.4	9.6	2.1	0.0	1969.0	6	
7	23	14000	5	0	0	-0	0	1147.5	4.6	1.2	0.0	1152.1	6	
8	23	13270	5	0	0	-0	1	1087.7	5.1	1.3	0.0	1092.8	6	
9	23	11750	6	0	0	-0	0	963.1	4.5	1.4	0.0	967.6	1	
10	23	21710	17	-0	0	-1	1	1779.5	9.8	4.0	0.0	1789.3	6	
11	23	12815	10	-0	0	-0	1	1050.4	5.2	2.4	0.0	1055.6	6	
12	23	12000	11	-0	0	-0	1	983.6	5.4	2.5	0.0	989.0	6	
13	23	10630	11	-0	0	-0	0	871.3	4.6	2.5	0.0	876.0	6	
14	23	23480	9	1	0	-1	1	1924.6	8.5	2.2	0.0	1933.0	6	
15	23	13625	5	0	0	-0	0	1116.8	4.2	1.2	0.0	1121.0	1	
16	23	12985	6	0	0	-0	0	1064.3	4.4	1.3	0.0	1068.7	6	
17	23	11240	6	0	0	-0	0	921.3	4.1	1.4	0.0	925.5	1	
1A	46	14665	3	1	0	-1	1	1202.1	11.7	0.7	0.0	1213.8	6	
1E	46	14735	3	1	0	-1	1	1207.8	11.7	0.7	0.0	1219.5	6	
1I	46	14612	2	1	0	-1	1	1197.7	10.6	0.6	0.0	1208.3	6	
1M	46	14788	2	1	0	-1	1	1212.1	10.6	0.6	0.0	1222.7	6	
2	46	20000	12	-0	0	-1	4	1639.3	33.3	2.9	0.0	1672.7	6	
3	46	11860	7	-0	0	-0	3	972.1	19.2	1.7	0.0	991.3	6	
4	46	10940	7	-0	0	-0	3	896.7	19.7	1.7	0.0	916.4	6	
5	46	9702	8	-0	0	-0	3	795.2	19.7	1.8	0.0	815.0	6	
6	46	23910	7	1	0	-1	3	1959.8	23.3	1.7	0.0	1983.1	6	
7	46	14000	4	0	0	-1	1	1147.5	12.1	0.9	0.0	1159.7	6	
8	46	13270	4	0	0	-1	2	1087.7	13.2	1.0	0.0	1100.9	6	
9	46	11750	5	0	0	-1	2	963.1	13.3	1.1	0.0	976.4	6	
10	46	21710	13	-0	0	-1	5	1779.5	34.2	3.0	0.0	1813.7	6	
11	46	12820	8	-0	0	-0	3	1050.8	19.7	1.8	0.0	1070.5	6	
12	46	12000	8	-0	0	-0	3	983.6	20.3	1.8	0.0	1003.9	6	
13	46	10630	8	-0	0	-0	3	871.3	20.1	1.9	0.0	891.4	6	
14	46	23480	8	1	0	-1	3	1924.6	22.9	1.8	0.0	1947.5	6	
15	46	13630	4	0	0	-1	1	1117.2	11.7	1.0	0.0	1128.9	6	
16	46	12990	5	0	0	-1	2	1064.8	12.9	1.1	0.0	1077.7	6	
17	46	11240	5	0	0	-1	2	921.3	12.7	1.2	0.0	934.0	6	

Verifica di STABILITA' e/o SVERGOLAMENTO

n.comb	Fx	My eq.	Mz eq.	Sn. omega	Sn.yx	Sn.zx	OMEGA	OMEGA1	Sf	Nota
	daN	daN*m							daN/cmq	
1A	14665	0	1	27	17	17	1.00	1.00	1210.6	
1E	14735	0	1	27	17	17	1.00	1.00	1216.3	
1I	14612	0	1	27	17	17	1.00	1.00	1206.1	
1M	14788	0	1	27	17	17	1.00	1.00	1220.5	
2	20000	1	2	27	17	17	1.00	1.00	1657.0	
3	11860	0	1	27	17	17	1.00	1.00	982.5	
4	10940	0	1	27	17	17	1.00	1.00	907.2	
5	9702	0	1	27	17	17	1.00	1.00	805.8	
6	23910	1	1	27	17	17	1.00	1.00	1974.7	
7	14000	0	1	27	17	17	1.00	1.00	1155.2	
8	13270	0	1	27	17	17	1.00	1.00	1095.8	
9	11750	0	1	27	17	17	1.00	1.00	971.3	
10	21710	1	2	27	17	17	1.00	1.00	1797.8	
11	12820	0	1	27	17	17	1.00	1.00	1061.5	
12	12000	0	1	27	17	17	1.00	1.00	994.5	
13	10630	0	1	27	17	17	1.00	1.00	882.2	
14	23480	1	1	27	17	17	1.00	1.00	1938.5	
15	13630	0	1	27	17	17	1.00	1.00	1124.7	
16	12990	0	1	27	17	17	1.00	1.00	1072.7	
17	11240	0	1	27	17	17	1.00	1.00	929.3	

10.2 VERIFICA TRALICCIATURA DELLA BASE DEL TRALICCIO



Numero aste

Lavoro: **verifica traliccio fondazioni v1** Intestazione lavoro: **verifica traliccio EY 16**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **3** Descrizione: **tralicci base**
Tabella: **tralicci 510**
Tipo acciaio: **S 355 (Fe 510)**

ASTA NUM. 1 NI 1 NF 9 Lungh. 408.0 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4673	0.1168	--	--	5.1493	5.7333 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	609	10	1	0	5	3	69.6	55.3	3.1	0.0	125.0	1	
1E	0	1080	10	1	0	5	3	123.5	55.3	3.1	0.0	178.8	1	
1I	0	766	9	2	0	7	4	87.5	84.3	3.0	0.0	171.8	1	
1M	0	924	9	2	0	7	4	105.6	84.3	3.0	0.0	189.9	1	
2	0	1438	15	-32	0	5	4	164.3	64.1	10.3	0.0	228.4	1	
3	0	1389	9	-20	0	3	3	158.7	37.2	6.5	0.0	196.0	1	
4	0	1065	9	-20	0	3	2	121.7	38.1	6.5	0.0	159.8	1	
5	0	2305	9	-20	0	2	2	263.4	32.5	6.5	0.0	296.0	1	
6	0	1325	14	-7	0	4	4	151.4	52.2	4.5	0.0	203.7	6	
7	0	1593	9	-5	0	2	2	182.1	29.6	2.8	0.0	211.6	6	
8	0	1093	9	-5	0	2	2	124.9	30.5	2.9	0.0	155.4	1	
9	0	2641	9	-5	0	2	2	301.8	25.6	2.9	0.0	327.5	6	
10	0	1344	15	-32	0	5	5	153.6	70.7	10.3	0.0	224.3	1	
11	0	1320	9	-20	0	3	3	150.9	41.7	6.5	0.0	192.6	1	
12	0	992	9	-20	0	3	3	113.4	42.2	6.4	0.0	155.6	1	
13	0	2226	9	-20	0	3	3	254.4	37.2	6.5	0.0	291.6	1	
14	0	1394	15	-7	0	4	4	159.3	52.4	4.9	0.0	211.7	6	
15	0	1629	9	-5	0	2	2	186.2	30.1	2.8	0.0	216.3	6	
16	0	1115	9	-5	0	2	2	127.4	30.6	2.9	0.0	158.1	1	
17	0	2652	9	-5	0	2	2	303.1	26.7	2.9	0.0	329.8	6	
1A	204	619	-1	1	0	2	12	70.7	127.6	0.4	0.0	198.3	6	
1E	204	1090	-1	1	0	2	12	124.5	127.6	0.4	0.0	252.1	6	
1I	204	775	-1	2	0	4	12	88.6	134.5	0.6	0.0	223.1	6	
1M	204	933	-1	2	0	4	12	106.7	134.5	0.6	0.0	241.1	6	
2	204	1450	-1	1	0	36	18	165.7	419.8	0.4	0.0	585.4	1	
3	204	1397	-1	1	0	22	11	159.6	260.7	0.2	0.0	420.3	1	
4	204	1072	-1	1	0	22	11	122.5	261.2	0.2	0.0	383.7	1	
5	204	2312	-1	1	0	22	11	264.2	258.2	0.2	0.0	522.5	1	
6	204	1338	-1	1	0	10	17	152.9	203.2	0.4	0.0	356.1	6	
7	204	1601	-1	1	0	6	10	183.0	125.5	0.2	0.0	308.4	6	
8	204	1101	-1	1	0	6	10	125.8	125.6	0.2	0.0	251.4	6	
9	204	2649	-1	0	0	6	10	302.7	123.5	0.2	0.0	426.2	6	
10	204	1356	-1	1	0	36	18	154.9	423.0	0.5	0.0	578.0	1	
11	204	1328	-1	1	0	23	11	151.7	263.0	0.3	0.0	414.7	1	
12	204	999	-1	1	0	23	11	114.2	263.2	0.3	0.0	377.4	1	
13	204	2233	-1	1	0	22	11	255.2	260.5	0.3	0.0	515.7	1	
14	204	1407	-1	1	0	10	18	160.9	213.8	0.4	0.0	374.6	6	
15	204	1637	-1	1	0	6	10	187.1	125.7	0.2	0.0	312.8	6	
16	204	1123	-1	1	0	6	10	128.3	125.7	0.2	0.0	254.0	6	
17	204	2660	-1	0	0	6	10	303.9	124.0	0.2	0.0	428.0	6	
1A	408	628	-11	1	0	-0	-0	71.8	2.0	3.7	0.0	73.8	6	
1E	408	1099	-11	1	0	-0	-0	125.6	2.0	3.7	0.0	127.6	6	
1I	408	784	-12	2	0	0	-1	89.6	8.7	3.8	0.0	98.3	6	
1M	408	943	-12	2	0	0	-1	107.7	8.7	3.8	0.0	116.4	6	
2	408	1461	-17	34	0	0	-1	167.0	8.5	11.1	0.0	175.5	6	
3	408	1404	-11	21	0	-0	-1	160.5	5.2	6.9	0.0	165.7	6	
4	408	1079	-11	21	0	-0	-1	123.3	5.1	6.9	0.0	128.4	6	
5	408	2319	-11	21	0	-0	-1	265.0	5.2	6.9	0.0	270.2	6	
6	408	1351	-16	9	0	0	-1	154.4	8.5	5.3	0.0	162.9	6	
7	408	1609	-10	6	0	0	-1	183.9	5.1	3.3	0.0	189.0	6	
8	408	1109	-10	6	0	0	-0	126.7	4.9	3.3	0.0	131.7	6	
9	408	2656	-10	6	0	-0	-0	303.5	4.9	3.3	0.0	308.5	6	
10	408	1367	-18	34	0	0	-1	156.2	9.2	11.2	0.0	165.5	6	
11	408	1335	-11	21	0	-0	-1	152.6	5.6	7.0	0.0	158.2	6	
12	408	1006	-11	21	0	-0	-1	115.0	5.4	7.0	0.0	120.4	6	
13	408	2240	-11	21	0	-0	-1	256.0	5.6	6.9	0.0	261.6	6	
14	408	1421	-17	9	0	0	-1	162.4	8.8	5.6	0.0	171.2	6	
15	408	1645	-10	6	0	0	-1	188.0	5.2	3.3	0.0	193.2	6	
16	408	1131	-10	6	0	0	-0	129.3	5.0	3.3	0.0	134.2	6	
17	408	2667	-10	6	0	-0	-1	304.8	5.0	3.3	0.0	309.8	6	

ASTA NUM. 2 NI 2 NF 10 Lungh. 408.0 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4673	0.1168	--	--	5.1493	5.7333 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	182	10	0	0	0	3	20.8	31.8	3.1	0.0	52.6	6	
1E	0	653	10	0	0	0	3	74.7	31.8	3.1	0.0	106.4	6	
1I	0	338	9	1	0	3	4	38.7	51.0	3.0	0.0	89.7	6	
1M	0	497	9	1	0	3	4	56.8	51.0	3.0	0.0	107.9	6	
2	0	378	15	32	0	-5	4	43.1	64.9	10.3	0.0	108.1	1	
3	0	-321	9	20	0	-3	3	36.7	40.4	6.5	0.0	77.1	1	
4	0	-64	9	20	0	-3	2	7.3	35.9	6.5	0.0	43.2	1	
5	0	-1296	9	20	0	-3	2	148.1	39.9	6.5	0.0	188.0	1	
6	0	771	14	7	0	-4	4	88.1	51.8	4.5	0.0	139.9	6	
7	0	-383	9	5	0	-2	2	43.8	31.8	2.8	0.0	75.7	1	
8	0	84	9	5	0	-2	2	9.6	28.0	2.9	0.0	37.6	6	
9	0	-1448	9	5	0	-2	2	165.5	31.5	2.9	0.0	197.0	1	
10	0	771	15	32	0	-5	5	88.1	69.6	10.3	0.0	157.7	1	
11	0	-85	9	20	0	-3	3	9.8	43.7	6.4	0.0	53.4	1	
12	0	185	9	20	0	-3	3	21.1	38.8	6.5	0.0	59.9	1	
13	0	-1050	9	20	0	-3	3	120.0	43.4	6.4	0.0	163.4	1	
14	0	839	15	7	0	-4	4	95.9	52.0	4.9	0.0	147.9	6	
15	0	-347	9	5	0	-2	2	39.7	32.4	2.8	0.0	72.1	1	
16	0	134	9	5	0	-2	2	15.3	28.2	2.9	0.0	43.5	6	
17	0	-1404	9	5	0	-3	2	160.5	32.6	2.9	0.0	193.1	1	
1A	204	191	-1	0	0	0	12	21.9	120.2	0.3	0.0	142.1	6	
1E	204	663	-1	0	0	0	12	75.7	120.2	0.3	0.0	196.0	6	
1I	204	348	-1	1	0	2	12	39.7	127.1	0.4	0.0	166.8	6	
1M	204	506	-1	1	0	2	12	57.9	127.1	0.4	0.0	185.0	6	
2	204	389	-1	-1	0	-36	18	44.4	420.4	0.4	0.0	464.9	1	
3	204	-314	-1	-1	0	-23	11	35.9	262.7	0.2	0.0	298.6	1	
4	204	-57	-1	-1	0	-22	11	6.5	260.5	0.2	0.0	267.0	1	
5	204	-1288	-1	-1	0	-23	11	147.3	262.7	0.2	0.0	409.9	1	
6	204	783	-1	-1	0	-10	17	89.5	203.2	0.4	0.0	292.7	6	
7	204	-376	-1	-1	0	-6	11	42.9	126.7	0.2	0.0	169.6	6	
8	204	92	-1	-0	0	-6	10	10.5	125.1	0.2	0.0	135.6	6	
9	204	-1440	-1	-1	0	-7	10	164.6	126.1	0.2	0.0	290.7	6	
10	204	782	-1	-1	0	-36	18	89.4	422.7	0.5	0.0	512.1	1	
11	204	-78	-1	-1	0	-23	11	8.9	264.3	0.3	0.0	273.2	1	
12	204	192	-1	-1	0	-22	11	22.0	261.9	0.3	0.0	283.8	1	
13	204	-1043	-1	-1	0	-23	11	119.2	264.3	0.3	0.0	383.5	1	
14	204	853	-1	-1	0	-10	18	97.4	213.7	0.4	0.0	311.1	6	
15	204	-340	-1	-1	0	-7	11	38.8	126.9	0.2	0.0	165.7	6	
16	204	142	-1	-0	0	-6	10	16.2	125.2	0.2	0.0	141.4	6	
17	204	-1396	-1	-1	0	-7	10	159.5	126.6	0.2	0.0	286.1	6	
1A	408	201	-11	0	0	-0	-0	22.9	3.3	3.7	0.0	26.3	1	
1E	408	672	-11	0	0	-0	-0	76.8	3.3	3.7	0.0	80.1	1	
1I	408	357	-12	1	0	0	-1	40.8	8.0	3.8	0.0	48.8	6	
1M	408	516	-12	1	0	0	-1	58.9	8.0	3.8	0.0	67.0	6	
2	408	400	-17	-34	0	-0	-1	45.7	8.4	11.1	0.0	54.2	6	
3	408	-307	-11	-21	0	-0	-0	35.1	5.0	7.0	0.0	40.1	6	
4	408	-50	-11	-21	0	-0	-0	5.7	4.8	6.9	0.0	14.3	4	
5	408	-1281	-11	-21	0	-0	-0	146.4	4.8	7.0	0.0	151.2	6	
6	408	796	-16	-9	0	-0	-1	90.9	8.5	5.3	0.0	99.4	6	
7	408	-368	-10	-6	0	-0	-0	42.0	5.0	3.3	0.0	47.0	6	
8	408	100	-10	-6	0	-0	-0	11.4	4.8	3.3	0.0	16.2	6	
9	408	-1432	-10	-6	0	-0	-0	163.7	4.7	3.3	0.0	168.4	6	
10	408	794	-18	-34	0	-0	-1	90.7	9.2	11.2	0.0	99.9	6	
11	408	-71	-11	-21	0	-0	-1	8.1	5.5	7.0	0.0	15.9	4	
12	408	199	-11	-21	0	-0	-1	22.8	5.3	6.9	0.0	28.0	6	
13	408	-1036	-11	-21	0	-0	-1	118.4	5.3	7.0	0.0	123.7	6	
14	408	866	-17	-9	0	-0	-1	99.0	8.7	5.6	0.0	107.7	6	
15	408	-332	-10	-6	0	-0	-0	37.9	5.1	3.3	0.0	43.0	6	
16	408	150	-10	-6	0	-0	-0	17.1	4.8	3.3	0.0	22.0	6	
17	408	-1388	-10	-6	0	-0	-0	158.6	4.9	3.3	0.0	163.5	6	

ASTA NUM. 3 NI 10 NF 13 Lungh. 344.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.3975	0.0994	--	--	5.3709	5.8678 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-685	9	0	0	0	0	78.3	2.5	3.0	0.0	80.8	1	
1E	0	-374	9	0	0	0	0	42.7	2.5	3.0	0.0	45.2	1	
1I	0	-597	9	0	0	0	-0	68.2	2.2	3.0	0.0	70.4	1	
1M	0	-462	9	0	0	0	-0	52.8	2.2	3.0	0.0	55.0	1	
2	0	-534	14	-28	0	0	-1	61.1	7.6	9.0	0.0	68.7	6	

3	0	272	9	-17	0	0	-0	31.1	4.6	5.6	0.0	35.7	6
4	0	-3	9	-17	0	0	-0	0.4	4.4	5.6	0.0	10.2	4
5	0	1334	9	-17	0	0	-0	152.5	4.1	5.6	0.0	156.6	6
6	0	-956	13	-7	0	0	-1	109.3	7.0	4.3	0.0	116.3	6
7	0	344	8	-4	0	0	-0	39.3	4.2	2.7	0.0	43.4	6
8	0	-161	8	-4	0	0	-0	18.4	4.0	2.7	0.0	22.4	6
9	0	1502	8	-4	0	-0	-0	171.7	3.6	2.7	0.0	175.3	6
10	0	-970	14	-28	0	0	-1	110.8	8.3	9.0	0.0	119.1	6
11	0	11	9	-17	0	0	-0	1.3	5.0	5.6	0.0	10.5	4
12	0	-279	9	-17	0	0	-0	31.8	4.8	5.6	0.0	36.6	6
13	0	1061	9	-17	0	0	-0	121.3	4.6	5.6	0.0	125.8	6
14	0	-1034	14	-7	0	0	-1	118.2	7.1	4.6	0.0	125.3	6
15	0	304	8	-4	0	0	-0	34.7	4.2	2.7	0.0	38.9	6
16	0	-215	8	-4	0	0	-0	24.6	4.0	2.7	0.0	28.6	6
17	0	1454	8	-4	0	0	-0	166.2	3.7	2.7	0.0	169.9	6
1A	172	-678	-0	0	0	0	8	77.4	78.2	0.0	0.0	155.6	6
1E	172	-366	-0	0	0	0	8	41.9	78.2	0.0	0.0	120.0	6
1I	172	-589	-0	0	0	0	8	67.4	77.5	0.0	0.0	144.8	6
1M	172	-455	-0	0	0	0	8	52.0	77.5	0.0	0.0	129.4	6
2	172	-525	0	0	0	24	12	60.0	276.2	0.1	0.0	336.2	1
3	172	278	0	0	0	15	7	31.8	172.4	0.0	0.0	204.2	1
4	172	3	0	0	0	15	7	0.3	172.5	0.0	0.0	172.8	1
5	172	1340	0	0	0	15	7	153.1	172.1	0.0	0.0	325.2	1
6	172	-946	0	0	0	6	11	108.1	128.9	0.0	0.0	237.1	6
7	172	350	0	0	0	4	7	40.0	80.5	0.0	0.0	120.5	6
8	172	-154	0	0	0	4	7	17.7	80.7	0.0	0.0	98.3	6
9	172	1509	0	0	0	4	7	172.4	80.4	0.0	0.0	252.8	6
10	172	-961	0	0	0	24	12	109.8	276.2	0.1	0.0	386.0	1
11	172	17	0	0	0	15	7	1.9	172.4	0.0	0.0	174.3	1
12	172	-273	0	0	0	15	7	31.2	172.6	0.0	0.0	203.7	1
13	172	1067	0	0	0	15	7	121.9	172.1	0.0	0.0	294.0	1
14	172	-1024	0	0	0	6	12	117.0	136.6	0.0	0.0	253.6	6
15	172	310	0	0	0	4	7	35.4	80.5	0.0	0.0	115.9	6
16	172	-209	0	0	0	4	7	23.9	80.7	0.0	0.0	104.5	6
17	172	1460	0	0	0	4	7	166.9	80.4	0.0	0.0	247.2	6
1A	345	-670	-9	0	0	-0	-0	76.6	2.3	3.0	0.0	78.9	6
1E	345	-359	-9	0	0	-0	-0	41.0	2.3	3.0	0.0	43.4	6
1I	345	-582	-9	0	0	-0	-0	66.5	2.5	3.0	0.0	69.0	6
1M	345	-447	-9	0	0	-0	-0	51.1	2.5	3.0	0.0	53.6	6
2	345	-516	-14	28	0	-0	-0	59.0	5.7	9.1	0.0	64.7	1
3	345	284	-9	18	0	-0	-0	32.4	3.7	5.7	0.0	36.1	1
4	345	8	-9	18	0	-0	-0	0.9	3.5	5.7	0.0	10.4	4
5	345	1345	-9	18	0	-0	-0	153.7	4.0	5.7	0.0	157.7	1
6	345	-936	-13	7	0	-0	-0	107.0	3.2	4.3	0.0	110.2	6
7	345	356	-8	4	0	-0	-0	40.7	2.2	2.7	0.0	42.9	6
8	345	-148	-8	4	0	-0	-0	16.9	2.0	2.7	0.0	19.0	6
9	345	1515	-8	4	0	-0	-0	173.1	2.5	2.7	0.0	175.6	6
10	345	-952	-14	28	0	-0	-0	108.7	5.7	9.1	0.0	114.4	1
11	345	22	-9	18	0	-0	-0	2.6	3.7	5.7	0.0	11.0	4
12	345	-267	-9	18	0	-0	-0	30.5	3.5	5.7	0.0	34.0	1
13	345	1073	-9	18	0	-0	-0	122.6	3.9	5.7	0.0	126.6	1
14	345	-1013	-14	7	0	-0	-0	115.8	3.5	4.6	0.0	119.2	6
15	345	316	-8	4	0	-0	-0	36.2	2.2	2.7	0.0	38.4	6
16	345	-203	-8	4	0	-0	-0	23.2	2.1	2.7	0.0	25.2	6
17	345	1466	-8	4	0	-0	-0	167.5	2.5	2.7	0.0	170.1	6

ASTA NUM. 4 NI 9 NF 14 Lungh. 344.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.3975	0.0994	--	--	5.3709	5.8678 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1149	9	0	0	0	0	131.3	1.1	3.0	0.0	132.4	1	
1E	0	-838	9	0	0	0	0	95.7	1.1	3.0	0.0	96.9	1	
1I	0	-1061	9	0	0	0	-0	121.3	0.8	3.0	0.0	122.0	6	
1M	0	-925	9	0	0	0	-0	105.8	0.8	3.0	0.0	106.6	6	
2	0	-1685	14	28	0	-0	-1	192.6	7.7	9.0	0.0	200.3	6	
3	0	-1583	9	17	0	-0	-0	180.9	4.7	5.6	0.0	185.6	6	
4	0	-1229	9	17	0	-0	-0	140.5	4.5	5.6	0.0	144.9	6	
5	0	-2573	9	17	0	-0	-0	294.1	4.5	5.6	0.0	298.6	6	
6	0	-1559	13	7	0	-0	-1	178.2	7.0	4.3	0.0	185.2	6	
7	0	-1801	8	4	0	-0	-0	205.8	4.3	2.7	0.0	210.1	6	
8	0	-1257	8	4	0	-0	-0	143.7	4.0	2.7	0.0	147.7	6	
9	0	-2933	8	4	0	-0	-0	335.2	4.1	2.7	0.0	339.3	6	
10	0	-1592	14	28	0	-0	-1	181.9	8.3	9.0	0.0	190.2	6	
11	0	-1514	9	17	0	-0	-0	173.0	5.1	5.6	0.0	178.1	6	
12	0	-1155	9	17	0	-0	-0	132.0	4.8	5.6	0.0	136.8	6	
13	0	-2493	9	17	0	-0	-0	284.9	5.0	5.6	0.0	289.9	6	
14	0	-1636	14	7	0	-0	-1	187.0	7.1	4.6	0.0	194.1	6	
15	0	-1841	8	4	0	-0	-0	210.4	4.3	2.7	0.0	214.7	6	
16	0	-1280	8	4	0	-0	-0	146.3	4.0	2.7	0.0	150.3	6	
17	0	-2946	8	4	0	-0	-0	336.7	4.2	2.7	0.0	340.9	6	
1A	172	-1141	-0	0	0	0	8	130.5	78.1	0.0	0.0	208.5	6	
1E	172	-830	-0	0	0	0	8	94.9	78.1	0.0	0.0	172.9	6	
1I	172	-1054	-0	0	0	0	8	120.4	77.4	0.0	0.0	197.8	6	
1M	172	-918	-0	0	0	0	8	104.9	77.4	0.0	0.0	182.3	6	
2	172	-1676	0	-0	0	-24	12	191.5	276.5	0.1	0.0	468.0	1	
3	172	-1578	0	-0	0	-15	7	180.3	173.0	0.0	0.0	353.2	1	
4	172	-1224	0	-0	0	-15	7	139.8	172.8	0.0	0.0	312.6	1	
5	172	-2567	0	-0	0	-15	7	293.4	173.2	0.0	0.0	466.6	1	
6	172	-1549	0	-0	0	-6	11	177.0	129.1	0.0	0.0	306.1	6	
7	172	-1795	0	-0	0	-4	7	205.1	81.0	0.0	0.0	286.1	6	
8	172	-1251	0	-0	0	-4	7	142.9	80.9	0.0	0.0	223.8	6	
9	172	-2927	0	-0	0	-4	7	334.5	81.2	0.0	0.0	415.7	6	
10	172	-1582	0	-0	0	-24	12	180.9	276.4	0.1	0.0	457.2	1	
11	172	-1509	0	-0	0	-15	7	172.4	172.9	0.0	0.0	345.3	1	
12	172	-1150	0	-0	0	-15	7	131.4	172.7	0.0	0.0	304.1	1	
13	172	-2487	0	-0	0	-15	7	284.2	173.1	0.0	0.0	457.4	1	
14	172	-1626	0	-0	0	-6	12	185.8	136.8	0.0	0.0	322.5	6	
15	172	-1835	0	-0	0	-4	7	209.7	80.9	0.0	0.0	290.6	6	
16	172	-1274	0	-0	0	-4	7	145.6	80.9	0.0	0.0	226.5	6	
17	172	-2940	0	-0	0	-4	7	336.0	81.2	0.0	0.0	417.2	6	
1A	345	-1134	-9	0	0	-0	-0	129.6	2.1	3.0	0.0	131.7	6	
1E	345	-823	-9	0	0	-0	-0	94.0	2.1	3.0	0.0	96.1	6	
1I	345	-1046	-9	0	0	-0	-0	119.6	2.2	3.0	0.0	121.8	6	
1M	345	-911	-9	0	0	-0	-0	104.1	2.2	3.0	0.0	106.3	6	
2	345	-1667	-14	-28	0	0	-0	190.5	5.4	9.1	0.0	196.0	1	
3	345	-1572	-9	-18	0	0	-0	179.7	3.2	5.7	0.0	182.8	1	
4	345	-1218	-9	-18	0	0	-0	139.2	3.4	5.7	0.0	142.6	1	
5	345	-2561	-9	-18	0	0	-0	292.7	3.0	5.7	0.0	295.7	1	
6	345	-1539	-13	-7	0	0	-0	175.9	3.1	4.3	0.0	179.0	6	
7	345	-1788	-8	-4	0	0	-0	204.3	1.6	2.7	0.0	205.9	6	
8	345	-1244	-8	-4	0	0	-0	142.2	1.8	2.7	0.0	144.0	6	
9	345	-2921	-8	-4	0	0	-0	333.8	1.5	2.7	0.0	335.3	6	
10	345	-1573	-14	-28	0	0	-0	179.8	5.6	9.1	0.0	185.4	1	
11	345	-1503	-9	-18	0	0	-0	171.8	3.3	5.7	0.0	175.0	1	
12	345	-1144	-9	-18	0	0	-0	130.7	3.5	5.7	0.0	134.2	1	
13	345	-2481	-9	-18	0	0	-0	283.5	3.1	5.7	0.0	286.6	1	
14	345	-1615	-14	-7	0	0	-0	184.6	3.3	4.6	0.0	187.9	6	
15	345	-1828	-8	-4	0	0	-0	208.9	1.6	2.7	0.0	210.6	6	
16	345	-1268	-8	-4	0	0	-0	144.9	1.9	2.7	0.0	146.8	6	
17	345	-2934	-8	-4	0	0	-0	335.3	1.5	2.7	0.0	336.8	6	

ASTA NUM. 5 NI 14 NF 17 Lungh. 158.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.3592	0.0898	--	--	5.4977	5.9466 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	929	4	0	0	0	0	106.2	1.3	1.4	0.0	107.5	6	
1E	0	1225	4	0	0	0	0	140.0	1.3	1.4	0.0	141.3	6	
1I	0	1003	4	0	0	0	0	114.6	1.7	1.4	0.0	116.3	1	
1M	0	1151	4	0	0	0	0	131.6	1.7	1.4	0.0	133.2	1	
2	0	1838	6	-12	0	1	0	210.1	5.4	4.0	0.0	215.4	1	
3	0	1729	4	-8	0	0	0	197.6	3.1	2.5	0.0	200.7	1	
4	0	1341	4	-8	0	0	0	153.3	3.3	2.5	0.0	156.5	1	
5	0	2812	4	-8	0	0	0	321.4	2.9	2.5	0.0	324.3	1	
6	0	1696	6	-3	0	0	0	193.8	2.1	2.0	0.0	195.9	1	
7	0	1966	4	-2	0	0	0	224.7	0.9	1.2	0.0	225.6	1	
8	0	1369	4	-2	0	0	0	156.5	1.2	1.2	0.0	157.6	1	
9	0	3205	4	-2	0	0	0	366.3	0.9	1.2	0.0	367.2	6	
10	0	1737	6	-12	0	1	0	198.5	5.6	4.0	0.0	204.1	1	
11	0	1655	4	-8	0	0	0	189.1	3.2	2.5	0.0	192.3	1	
12	0	1261	4	-8	0	0	0	144.1	3.4	2.5	0.0	147.5	1	
13	0	2726	4	-8	0	0	0	311.5	3.0	2.5	0.0	314.6	1	
14	0	1779	6	-3	0	0	0	203.3	2.1	2.1	0.0	205.4	1	
15	0	2010	4	-2	0	0	0	229.7	0.9	1.2	0.0	230.6	1	
16	0	1396	4	-2	0	0	0	159.5	1.2	1.2	0.0	160.7	1	
17	0	3220	4	-2	0	0	0	368.0	0.9	1.2	0.0	368.9	6	
1A	79	933	-0	0	0	-0	2	106.6	17.1	0.1	0.0	123.6	6	
1E	79	1228	-0	0	0	-0	2	140.4	17.1	0.1	0.0	157.4	6	
1I	79	1006	-0	0	0	0	2	115.0	17.1	0.0	0.0	132.1	6	
1M	79	1155	-0	0	0	0	2	132.0	17.1	0.0	0.0	149.1	6	
2	79	1842	-0	1	0	5	3	210.5	60.0	0.2	0.0	270.5	1	
3	79	1732	-0	0	0	3	2	197.9	37.3	0.1	0.0	235.2	1	
4	79	1344	-0	0	0	3	2	153.5	37.5	0.1	0.0	191.1	1	
5	79	2815	-0	0	0	3	2	321.7	37.2	0.1	0.0	358.9	1	
6	79	1701	-0	0	0	1	2	194.3	28.4	0.1	0.0	222.8	6	
7	79	1969	-0	0	0	1	2	225.0	17.7	0.0	0.0	242.7	6	
8	79	1372	-0	0	0	1	2	156.8	17.8	0.0	0.0	174.6	6	
9	79	3208	-0	0	0	1	2	366.6	17.8	0.0	0.0	384.5	6	

10	79	1741	-0	1	0	5	3	199.0	60.1	0.2	0.0	259.1	1
11	79	1658	-0	0	0	3	2	189.4	37.4	0.1	0.0	226.8	1
12	79	1264	-0	0	0	3	2	144.4	37.6	0.1	0.0	182.0	1
13	79	2729	-0	0	0	3	2	311.8	37.3	0.1	0.0	349.1	1
14	79	1784	-0	0	0	1	3	203.9	30.0	0.1	0.0	233.9	6
15	79	2013	-0	0	0	1	2	230.0	17.7	0.0	0.0	247.7	6
16	79	1399	-0	0	0	1	2	159.8	17.7	0.0	0.0	177.6	6
17	79	3223	-0	0	0	1	2	368.3	17.8	0.0	0.0	386.2	6
1A	158	936	-4	0	0	-0	-0	107.0	1.9	1.5	0.0	108.9	1
1E	158	1232	-4	0	0	-0	-0	140.8	1.9	1.5	0.0	142.7	1
1I	158	1010	-4	0	0	-0	-0	115.4	1.4	1.5	0.0	116.8	1
1M	158	1158	-4	0	0	-0	-0	132.4	1.4	1.5	0.0	133.8	1
2	158	1846	-7	13	0	-0	-0	211.0	3.6	4.3	0.0	214.5	1
3	158	1734	-4	8	0	-0	-0	198.2	2.3	2.7	0.0	200.5	1
4	158	1346	-4	8	0	-0	-0	153.8	2.0	2.7	0.0	155.9	1
5	158	2817	-4	8	0	-0	-0	321.9	2.3	2.7	0.0	324.2	1
6	158	1705	-6	3	0	-0	-0	194.9	1.9	2.1	0.0	196.8	6
7	158	1972	-4	2	0	-0	-0	225.4	1.2	1.3	0.0	226.6	6
8	158	1375	-4	2	0	-0	-0	157.1	1.1	1.3	0.0	158.3	6
9	158	3211	-4	2	0	-0	-0	367.0	1.1	1.3	0.0	368.1	1
10	158	1745	-7	13	0	-0	-0	199.4	3.6	4.3	0.0	203.0	1
11	158	1660	-4	8	0	-0	-0	189.7	2.3	2.7	0.0	192.0	1
12	158	1266	-4	8	0	-0	-0	144.7	2.1	2.7	0.0	146.7	1
13	158	2731	-4	8	0	-0	-0	312.1	2.3	2.7	0.0	314.4	1
14	158	1789	-7	3	0	-0	-0	204.5	2.1	2.2	0.0	206.5	6
15	158	2015	-4	2	0	-0	-0	230.3	1.3	1.3	0.0	231.6	6
16	158	1401	-4	2	0	-0	-0	160.1	1.2	1.3	0.0	161.3	6
17	158	3226	-4	2	0	-0	-0	368.7	1.1	1.3	0.0	369.8	1

ASTA NUM. 6 NI 13 NF 17 Lungh. 158.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.3592	0.0898	--	--	5.4977	5.9466 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	420	4	0	0	-0	0	48.0	0.9	1.4	0.0	49.0	6	
1E	0	716	4	0	0	-0	0	81.8	0.9	1.4	0.0	82.8	6	
1I	0	494	4	0	0	0	0	56.5	1.1	1.4	0.0	57.6	6	
1M	0	642	4	0	0	0	0	73.4	1.1	1.4	0.0	74.5	6	
2	0	576	6	12	0	-1	0	65.8	5.7	4.0	0.0	71.4	1	
3	0	-306	4	8	0	-0	0	34.9	3.7	2.5	0.0	38.6	1	
4	0	-5	4	8	0	-0	0	0.6	3.5	2.5	0.0	4.9	4	
5	0	-1469	4	8	0	-0	0	167.9	3.9	2.5	0.0	171.8	1	
6	0	1035	6	3	0	-0	0	118.3	2.2	2.0	0.0	120.5	1	
7	0	-386	4	2	0	-0	0	44.1	1.6	1.2	0.0	45.7	1	
8	0	166	4	2	0	-0	0	18.9	1.3	1.2	0.0	20.3	1	
9	0	-1656	4	2	0	-0	-0	189.3	1.9	1.2	0.0	191.2	1	
10	0	1054	6	12	0	-1	0	120.5	5.7	4.0	0.0	126.1	1	
11	0	-18	4	8	0	-0	0	2.1	3.7	2.5	0.0	5.8	1	
12	0	298	4	8	0	-0	0	34.1	3.5	2.5	0.0	37.6	1	
13	0	-1170	4	8	0	-0	0	133.7	3.9	2.5	0.0	137.6	1	
14	0	1118	7	3	0	-0	0	127.8	2.2	2.1	0.0	130.0	1	
15	0	-342	4	2	0	-0	0	39.1	1.6	1.2	0.0	40.7	1	
16	0	225	4	2	0	-0	0	25.7	1.3	1.2	0.0	27.1	1	
17	0	-1603	4	2	0	-0	-0	183.2	1.9	1.2	0.0	185.1	1	
1A	79	424	-0	0	0	-0	2	48.4	17.1	0.0	0.0	65.5	6	
1E	79	719	-0	0	0	-0	2	82.2	17.1	0.0	0.0	99.3	6	
1I	79	498	-0	0	0	-0	2	56.9	17.1	0.0	0.0	73.9	6	
1M	79	645	-0	0	0	-0	2	73.7	17.1	0.0	0.0	90.8	6	
2	79	579	-0	-1	0	-5	3	66.2	60.2	0.2	0.0	126.4	1	
3	79	-303	-0	-0	0	-3	2	34.6	37.7	0.1	0.0	72.4	1	
4	79	-2	-0	-0	0	-3	2	0.3	37.5	0.1	0.0	37.8	1	
5	79	-1466	-0	-0	0	-3	2	167.6	37.8	0.1	0.0	205.4	1	
6	79	1039	-0	-0	0	-1	2	118.7	28.4	0.1	0.0	147.2	6	
7	79	-383	-0	-0	0	-1	2	43.8	17.8	0.0	0.0	61.6	6	
8	79	168	-0	-0	0	-1	2	19.3	17.7	0.0	0.0	37.0	6	
9	79	-1653	-0	-0	0	-1	1	189.0	17.6	0.1	0.0	206.6	6	
10	79	1058	-0	-1	0	-5	3	120.9	60.1	0.2	0.0	181.0	1	
11	79	-15	-0	-0	0	-3	2	1.8	37.7	0.1	0.0	39.5	1	
12	79	301	-0	-0	0	-3	2	34.3	37.5	0.1	0.0	71.8	1	
13	79	-1167	-0	-0	0	-3	2	133.4	37.8	0.1	0.0	171.2	1	
14	79	1122	-0	-0	0	-1	3	128.3	30.1	0.1	0.0	158.3	6	
15	79	-339	-0	-0	0	-1	2	38.8	17.8	0.0	0.0	56.6	6	
16	79	228	-0	-0	0	-1	2	26.1	17.7	0.0	0.0	43.8	6	
17	79	-1600	-0	-0	0	-1	1	182.9	17.6	0.1	0.0	200.5	6	
1A	158	427	-4	0	0	-0	-0	48.8	1.3	1.5	0.0	50.1	6	
1E	158	722	-4	0	0	-0	-0	82.6	1.3	1.5	0.0	83.9	6	
1I	158	501	-4	0	0	-0	-0	57.2	1.1	1.5	0.0	58.3	6	
1M	158	648	-4	0	0	-0	-0	74.1	1.1	1.5	0.0	75.2	6	
2	158	584	-7	-13	0	0	-0	66.7	3.6	4.3	0.0	70.2	1	
3	158	-301	-4	-8	0	0	-0	34.4	2.1	2.7	0.0	36.5	1	
4	158	0	-4	-8	0	0	-0	0.0	2.3	2.7	0.0	4.9	4	
5	158	-1464	-4	-8	0	0	-0	167.3	2.1	2.7	0.0	169.4	1	
6	158	1043	-6	-3	0	0	-0	119.2	1.9	2.1	0.0	121.1	6	
7	158	-380	-4	-2	0	0	-0	43.5	1.0	1.3	0.0	44.5	6	
8	158	171	-4	-2	0	0	-0	19.6	1.2	1.3	0.0	20.8	1	
9	158	-1651	-4	-2	0	0	-0	188.7	1.3	1.3	0.0	190.0	6	
10	158	1062	-7	-13	0	0	-0	121.4	3.7	4.3	0.0	125.1	1	
11	158	-13	-4	-8	0	0	-0	1.5	2.2	2.7	0.0	5.4	4	
12	158	303	-4	-8	0	0	-0	34.6	2.4	2.7	0.0	37.0	1	
13	158	-1165	-4	-8	0	0	-0	133.1	2.2	2.7	0.0	135.3	1	
14	158	1127	-7	-3	0	0	-0	128.8	2.0	2.2	0.0	130.8	6	
15	158	-337	-4	-2	0	0	-0	38.5	1.1	1.3	0.0	39.6	6	
16	158	231	-4	-2	0	0	-0	26.4	1.3	1.3	0.0	27.6	1	
17	158	-1597	-4	-2	0	0	-0	182.5	1.3	1.3	0.0	183.8	6	

ASTA NUM. 7 NI 3 NF 12 Lungh. 408.0 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4673	-0.1168	--	--	5.1493	4.5652 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1267	11	0	0	0	-2	144.8	17.6	3.6	0.0	162.4	6	
1E	0	-795	11	0	0	0	-2	90.9	17.6	3.6	0.0	108.5	6	
1I	0	-1110	11	1	0	3	-1	126.9	30.4	3.5	0.0	157.3	1	
1M	0	-952	11	1	0	3	-1	108.7	30.4	3.5	0.0	139.1	1	
2	0	-1167	15	32	0	-5	-5	133.4	68.9	10.3	0.0	202.3	1	
3	0	-434	9	20	0	-3	-3	49.6	43.4	6.4	0.0	93.0	1	
4	0	-1209	9	20	0	-3	-3	138.2	39.8	6.5	0.0	178.0	1	
5	0	-42	9	20	0	-3	-3	4.8	44.0	6.4	0.0	48.8	1	
6	0	-1601	16	7	0	-4	-4	183.0	56.8	5.1	0.0	239.7	6	
7	0	-549	10	5	0	-3	-3	62.8	35.3	3.1	0.0	98.1	1	
8	0	-1574	10	5	0	-2	-2	179.9	31.8	3.1	0.0	211.7	6	
9	0	-126	10	4	0	-3	-2	14.4	36.0	3.1	0.0	50.4	1	
10	0	-1473	15	32	0	-6	-5	168.3	73.2	10.3	0.0	241.6	1	
11	0	-622	9	20	0	-4	-3	71.1	46.5	6.4	0.0	117.6	1	
12	0	-1397	9	20	0	-3	-3	159.7	42.5	6.4	0.0	202.2	1	
13	0	-217	9	20	0	-4	-3	24.8	47.2	6.4	0.0	72.0	1	
14	0	-1532	17	7	0	-4	-4	175.1	56.6	5.4	0.0	231.7	6	
15	0	-501	10	5	0	-3	-3	57.2	35.5	3.1	0.0	92.7	1	
16	0	-1524	10	5	0	-2	-2	174.2	31.6	3.1	0.0	205.8	6	
17	0	-53	10	4	0	-3	-2	6.1	36.7	3.1	0.0	42.8	1	
1A	204	-1258	0	0	0	0	10	143.7	100.2	0.2	0.0	243.9	6	
1E	204	-786	0	0	0	0	10	89.9	100.2	0.2	0.0	190.0	6	
1I	204	-1101	0	1	0	1	10	125.9	107.1	0.2	0.0	233.0	6	
1M	204	-943	0	1	0	1	10	107.7	107.1	0.2	0.0	214.8	6	
2	204	-1153	1	-1	0	-36	11	131.7	397.4	0.4	0.0	529.2	1	
3	204	-425	1	-1	0	-23	7	48.6	248.8	0.3	0.0	297.4	1	
4	204	-1200	1	-1	0	-23	7	137.1	247.4	0.2	0.0	384.6	1	
5	204	-33	1	-1	0	-23	7	3.8	249.6	0.3	0.0	253.3	1	
6	204	-1587	1	-1	0	-10	13	181.4	162.0	0.4	0.0	343.4	6	
7	204	-541	1	-1	0	-7	8	61.8	102.0	0.2	0.0	163.9	6	
8	204	-1566	1	-1	0	-6	8	179.0	102.0	0.2	0.0	281.0	6	
9	204	-118	1	-1	0	-7	8	13.4	102.9	0.2	0.0	116.4	6	
10	204	-1459	1	-1	0	-36	11	166.7	398.3	0.5	0.0	564.9	1	
11	204	-613	1	-1	0	-23	7	70.0	249.4	0.3	0.0	319.5	1	
12	204	-1388	1	-1	0	-23	7	158.6	247.9	0.3	0.0	406.6	1	
13	204	-208	1	-1	0	-23	7	23.8	250.2	0.3	0.0	274.0	1	
14	204	-1518	1	-1	0	-10	14	173.5	172.4	0.4	0.0	345.9	6	
15	204	-492	1	-1	0	-7	8	56.3	102.0	0.2	0.0	158.3	6	
16	204	-1516	1	-1	0	-6	8	173.3	102.1	0.2	0.0	275.3	6	
17	204	-45	1	-1	0	-7	8	5.1	102.8	0.2	0.0	107.9	6	
1A	408	-1249	-10	0	0	-0	1	142.7	6.7	3.3	0.0	149.4	6	
1E	408	-777	-10	0	0	-0	1	88.8	6.7	3.3	0.0	95.6	6	
1I	408	-1092	-10	1	0	0	-0	124.9	1.0	3.4	0.0	125.8	6	
1M	408	-934	-10	1	0	0	-0	106.7	1.0	3.4	0.0	107.7	6	
2	408	-1138	-12	-34	0	-0	0	130.1	4.3	11.2	0.0	134.4	6	
3	408	-416	-8	-21	0	-0	0	47.5	2.6	7.0	0.0	50.1	6	
4	408	-1191	-8	-21	0	0	0	136.1	2.5	7.0	0.0	138.6	6	
5	408	-24	-8	-21	0	-0	0	2.7	2.3	7.0	0.0	12.6	3	
6	408	-1574	-13	-9	0	-0	0	179.9	4.4	4.3	0.0	184.3	6	
7	408	-533	-8	-6	0	-0	0	60.9	2.6	2.7	0.0	63.4	6	
8	408	-1558	-8	-6	0	-0	0	178.1	2.3	2.7	0.0	180.4	6	
9	408	-109	-8	-6	0	-0	0	12.5	2.3	2.7	0.0	14.8	6	
10	408	-1444	-12	-34	0	-0	0	165.0	5.0	11.2	0.0	170.0	6	
11	408	-604	-7	-21	0	-0	0	69.0	3.0	7.0	0.0	72.0	6	
12	408	-1379	-8	-21	0	0	0	157.6	2.8	7.0	0.0	160.4	6	
13	408	-199	-7	-21	0	-0	0	22.7	2.7	7.0	0.0	26.6	3	
14	408	-1504	-14	-9	0	-0	0	171.9	4.2	4.6	0.0	176.1	6	
15	408	-484	-8	-6	0	-0	0	55.3	2.6	2.7	0.0	57.9	6	
16	408	-1508	-8	-6	0	-0	0	172.3	2.3	2.7	0.0	174.7	6	

17	408	-37	-8	-6	0	-0	0	4.2	2.3	2.7	0.0	7.2	4

ASTA NUM. 8 NI 4 NF 11 Lungh. 408.0 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4673	-0.1168	--	--	5.1493	4.5652 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-840	11	1	0	5	-2	96.0	50.9	3.6	0.0	146.9	1	
1E	0	-369	11	1	0	5	-2	42.2	50.9	3.6	0.0	93.1	1	
1I	0	-684	11	2	0	7	-1	78.1	72.5	3.5	0.0	150.6	1	
1M	0	-526	11	2	0	7	-1	60.1	72.5	3.5	0.0	132.6	1	
2	0	-1084	15	-32	0	5	-5	123.9	65.9	10.3	0.0	189.8	1	
3	0	-862	9	-20	0	3	-3	98.5	37.7	6.5	0.0	136.2	1	
4	0	-42	9	-20	0	3	-3	4.8	37.8	6.5	0.0	42.6	1	
5	0	-1255	9	-20	0	2	-3	143.4	33.5	6.5	0.0	176.9	6	
6	0	-1047	16	-7	0	4	-4	119.7	56.4	5.1	0.0	176.0	6	
7	0	-950	10	-5	0	2	-2	108.6	31.7	3.1	0.0	140.3	6	
8	0	91	10	-5	0	2	-2	10.4	31.5	3.1	0.0	41.9	6	
9	0	-1425	10	-5	0	1	-2	162.9	27.5	3.1	0.0	190.3	6	
10	0	-902	15	-32	0	5	-5	103.1	72.1	10.3	0.0	175.2	1	
11	0	-745	9	-20	0	3	-3	85.1	42.0	6.5	0.0	127.1	1	
12	0	58	9	-20	0	3	-3	6.6	41.7	6.5	0.0	48.3	1	
13	0	-1140	9	-20	0	3	-3	130.3	37.8	6.5	0.0	168.0	6	
14	0	-979	17	-7	0	4	-4	111.9	56.2	5.4	0.0	168.1	6	
15	0	-901	10	-5	0	2	-3	103.0	31.9	3.1	0.0	134.9	6	
16	0	113	10	-5	0	2	-2	12.9	31.3	3.1	0.0	44.2	6	
17	0	-1377	10	-5	0	2	-2	157.4	28.2	3.1	0.0	185.6	6	
1A	204	-831	0	1	0	2	10	95.0	107.9	0.4	0.0	202.9	6	
1E	204	-360	0	1	0	2	10	41.1	107.9	0.4	0.0	149.1	6	
1I	204	-675	0	2	0	4	10	77.1	114.8	0.6	0.0	191.9	6	
1M	204	-516	0	2	0	4	10	59.0	114.8	0.6	0.0	173.8	6	
2	204	-1070	1	1	0	36	11	122.2	396.1	0.4	0.0	518.3	1	
3	204	-853	1	1	0	22	7	97.5	246.2	0.2	0.0	343.6	1	
4	204	-33	1	1	0	22	7	3.8	246.7	0.2	0.0	250.5	1	
5	204	-1245	1	1	0	22	7	142.3	244.2	0.2	0.0	386.5	1	
6	204	-1034	1	1	0	10	13	118.2	161.7	0.4	0.0	279.9	6	
7	204	-942	1	0	0	6	8	107.6	101.1	0.2	0.0	208.7	6	
8	204	100	1	1	0	6	8	11.4	101.7	0.2	0.0	113.1	6	
9	204	-1417	1	0	0	6	8	161.9	101.3	0.2	0.0	263.2	6	
10	204	-887	1	1	0	36	11	101.4	397.9	0.4	0.0	499.2	1	
11	204	-736	1	1	0	23	7	84.1	247.4	0.3	0.0	331.5	1	
12	204	67	1	1	0	23	7	7.6	247.8	0.3	0.0	255.4	1	
13	204	-1130	1	1	0	22	7	129.2	245.4	0.2	0.0	374.6	1	
14	204	-964	1	1	0	10	14	110.2	172.2	0.4	0.0	282.4	6	
15	204	-893	1	0	0	6	8	102.1	101.1	0.2	0.0	203.1	6	
16	204	121	1	1	0	6	8	13.9	101.7	0.2	0.0	115.6	6	
17	204	-1369	1	0	0	6	8	156.4	101.1	0.2	0.0	257.5	6	
1A	408	-822	-10	1	0	-0	1	93.9	6.1	3.3	0.0	100.0	6	
1E	408	-351	-10	1	0	-0	1	40.1	6.1	3.3	0.0	46.2	6	
1I	408	-665	-10	2	0	0	-0	76.0	2.3	3.4	0.0	78.3	1	
1M	408	-507	-10	2	0	0	-0	57.9	2.3	3.4	0.0	60.2	1	
2	408	-1055	-12	34	0	0	0	120.6	4.2	11.1	0.0	124.8	6	
3	408	-844	-8	21	0	0	0	96.4	2.4	6.9	0.0	98.8	6	
4	408	-24	-8	21	0	0	0	2.7	2.2	6.9	0.0	12.5	3	
5	408	-1236	-8	21	0	0	0	141.3	2.1	6.9	0.0	143.3	6	
6	408	-1021	-13	9	0	0	0	116.7	4.3	4.3	0.0	121.0	6	
7	408	-933	-8	6	0	0	0	106.7	2.3	2.7	0.0	109.0	6	
8	408	108	-8	6	0	0	0	12.3	2.2	2.7	0.0	14.5	6	
9	408	-1409	-8	5	0	0	0	161.0	2.0	2.7	0.0	163.1	6	
10	408	-873	-12	34	0	0	0	99.7	4.9	11.2	0.0	104.6	6	
11	408	-727	-7	21	0	0	0	83.1	2.8	7.0	0.0	85.9	6	
12	408	76	-8	21	0	0	0	8.7	2.6	7.0	0.0	15.4	3	
13	408	-1121	-8	21	0	0	0	128.1	2.5	6.9	0.0	130.6	6	
14	408	-950	-14	9	0	0	0	108.6	4.1	4.6	0.0	112.7	6	
15	408	-885	-8	6	0	0	0	101.1	2.3	2.7	0.0	103.4	6	
16	408	130	-8	6	0	0	0	14.8	2.1	2.7	0.0	17.0	6	
17	408	-1360	-8	6	0	0	0	155.4	2.1	2.7	0.0	157.5	6	

ASTA NUM. 9 NI 11 NF 15 Lungh. 344.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.3975	-0.0994	--	--	5.3709	4.8741 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	510	9	0	0	0	1	58.3	6.4	3.0	0.0	64.7	6	
1E	0	822	9	0	0	0	1	93.9	6.4	3.0	0.0	100.3	6	
1I	0	598	9	0	0	0	1	68.4	5.2	3.0	0.0	73.6	6	
1M	0	734	9	0	0	0	1	83.9	5.2	3.0	0.0	89.1	6	
2	0	1208	12	28	0	-0	0	138.1	4.3	9.0	0.0	142.3	6	
3	0	952	7	17	0	-0	0	108.8	2.6	5.6	0.0	111.4	6	
4	0	60	7	17	0	-0	0	6.9	2.3	5.6	0.0	12.5	4	
5	0	1375	7	17	0	-0	0	157.1	2.3	5.6	0.0	159.5	6	
6	0	1164	13	7	0	-0	0	133.0	3.6	4.1	0.0	136.6	6	
7	0	1045	8	4	0	-0	0	119.4	2.2	2.6	0.0	121.6	6	
8	0	-87	8	4	0	-0	0	10.0	1.8	2.6	0.0	11.8	6	
9	0	1556	8	4	0	-0	0	177.8	1.8	2.6	0.0	179.7	6	
10	0	1019	12	28	0	-0	0	116.5	4.9	9.0	0.0	121.3	6	
11	0	831	7	17	0	-0	0	95.0	3.0	5.6	0.0	98.0	6	
12	0	-42	7	17	0	-0	0	4.8	2.6	5.6	0.0	11.4	4	
13	0	1256	7	17	0	-0	0	143.5	2.8	5.6	0.0	146.3	6	
14	0	1086	14	7	0	-0	0	124.1	3.5	4.4	0.0	127.6	6	
15	0	992	8	4	0	-0	0	113.4	2.2	2.6	0.0	115.6	6	
16	0	-111	8	4	0	-0	0	12.7	1.8	2.6	0.0	14.5	6	
17	0	1504	8	4	0	-0	0	171.9	2.0	2.6	0.0	173.9	6	
1A	172	518	-0	0	0	0	8	59.2	81.5	0.1	0.0	140.7	6	
1E	172	829	-0	0	0	0	8	94.8	81.5	0.1	0.0	176.2	6	
1I	172	606	-0	0	0	-0	8	69.2	80.8	0.1	0.0	150.1	6	
1M	172	741	-0	0	0	-0	8	84.7	80.8	0.1	0.0	165.6	6	
2	172	1220	-0	-0	0	-24	10	139.4	272.6	0.1	0.0	411.9	1	
3	172	960	-0	-0	0	-15	7	109.7	170.3	0.0	0.0	280.0	1	
4	172	68	-0	-0	0	-15	7	7.7	170.1	0.0	0.0	177.8	1	
5	172	1382	-0	-0	0	-15	7	157.9	170.4	0.0	0.0	328.4	1	
6	172	1175	-0	-0	0	-6	11	134.2	130.7	0.0	0.0	264.9	6	
7	172	1052	-0	-0	0	-4	7	120.2	81.6	0.0	0.0	201.8	6	
8	172	-81	-0	-0	0	-4	7	9.2	81.5	0.0	0.0	90.7	6	
9	172	1563	-0	-0	0	-4	7	178.6	81.5	0.0	0.0	260.0	6	
10	172	1031	-0	-0	0	-24	10	117.8	272.6	0.1	0.0	390.4	1	
11	172	839	-0	-0	0	-15	7	95.8	170.4	0.0	0.0	266.2	1	
12	172	-35	-0	-0	0	-15	7	4.0	170.1	0.0	0.0	174.1	1	
13	172	1263	-0	-0	0	-15	7	144.3	170.5	0.0	0.0	314.8	1	
14	172	1097	-0	-0	0	-6	12	125.4	138.4	0.0	0.0	263.8	6	
15	172	999	-0	-0	0	-4	7	114.2	81.6	0.0	0.0	195.8	6	
16	172	-104	-0	-0	0	-4	7	11.9	81.5	0.0	0.0	93.4	6	
17	172	1511	-0	-0	0	-4	7	172.7	81.5	0.0	0.0	254.2	6	
1A	345	525	-9	0	0	-0	-0	60.0	0.8	3.1	0.0	60.8	6	
1E	345	837	-9	0	0	-0	-0	95.6	0.8	3.1	0.0	96.4	6	
1I	345	613	-9	0	0	-0	-0	70.1	1.0	3.1	0.0	71.0	1	
1M	345	749	-9	0	0	-0	-0	85.6	1.0	3.1	0.0	86.5	1	
2	345	1231	-12	-28	0	0	-0	140.7	4.5	9.1	0.0	145.1	1	
3	345	967	-8	-18	0	0	-0	110.5	2.7	5.7	0.0	113.2	1	
4	345	75	-8	-18	0	0	-0	8.6	2.8	5.7	0.0	13.8	4	
5	345	1389	-8	-18	0	0	-0	158.7	2.5	5.7	0.0	161.2	1	
6	345	1185	-13	-7	0	0	-0	135.4	1.2	4.2	0.0	136.6	1	
7	345	1058	-8	-4	0	0	-0	120.9	0.7	2.6	0.0	121.6	1	
8	345	-74	-8	-4	0	0	-0	8.4	0.8	2.6	0.0	9.9	4	
9	345	1569	-8	-4	0	0	-0	179.3	0.4	2.6	0.0	179.7	6	
10	345	1042	-12	-28	0	0	-0	119.1	4.5	9.1	0.0	123.6	1	
11	345	846	-8	-18	0	0	-0	96.7	2.8	5.7	0.0	99.4	1	
12	345	-28	-8	-18	0	0	-0	3.2	2.9	5.7	0.0	10.8	4	
13	345	1270	-8	-18	0	0	-0	145.1	2.5	5.7	0.0	147.7	1	
14	345	1109	-14	-7	0	0	-0	126.7	1.3	4.5	0.0	128.0	1	
15	345	1006	-8	-4	0	0	-0	115.0	0.7	2.6	0.0	115.7	1	
16	345	-98	-8	-4	0	0	-0	11.2	0.8	2.6	0.0	12.4	4	
17	345	1518	-8	-4	0	0	-0	173.5	0.5	2.6	0.0	174.0	6	

ASTA NUM. 10 NI 12 NF 16 Lungh. 344.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.3975	-0.0994	--	--	5.3709	4.8741 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	973	9	0	0	0	1	111.3	6.9	3.0	0.0	118.2	6	
1E	0	1285	9	0	0	0	1	146.8	6.9	3.0	0.0	153.7	6	
1I	0	1062	9	0	0	0	1	121.3	5.8	3.0	0.0	127.1	6	
1M	0	1196	9	0	0	0	1	136.7	5.8	3.0	0.0	142.5	6	
2	0	1299	12	-28	0	0	0	148.5	4.2	9.0	0.0	152.7	6	
3	0	489	7	-17	0	0	0	55.9	2.4	5.6	0.0	58.3	6	
4	0	1327	7	-17	0	0	0	151.7	2.3	5.6	0.0	154.0	6	
5	0	61	7	-17	0	0	0	7.0	2.1	5.6	0.0	12.5	4	
6	0	1765	13	-7	0	0	0	201.7	3.6	4.1	0.0	205.3	6	
7	0	611	8	-4	0	0	0	69.8	2.0	2.6	0.0	71.8	6	
8	0	1721	8	-4	0	0	0	196.7	2.0	2.6	0.0	198.6	6	
9	0	148	8	-4	0	0	0	16.9	1.6	2.6	0.0	18.5	6	
10	0	1638	12	-28	0	0	0	187.2	4.9	9.0	0.0	192.1	6	
11	0	699	7	-17	0	0	0	79.8	2.9	5.6	0.0	82.7	6	
12	0	1536	7	-17	0	0	0	175.5	2.8	5.6	0.0	178.3	6	

13	0	257	7	-17	0	0	0	29.3	2.6	5.6	0.0	31.9	6
14	0	1687	14	-7	0	0	0	192.8	3.5	4.4	0.0	196.3	6
15	0	559	8	-4	0	0	0	63.8	2.0	2.6	0.0	65.9	6
16	0	1666	8	-4	0	0	0	190.4	2.0	2.6	0.0	192.4	6
17	0	71	8	-4	0	0	0	8.1	1.7	2.6	0.0	9.9	4
1A	172	981	-0	0	0	0	8	112.1	81.7	0.1	0.0	193.8	6
1E	172	1292	-0	0	0	0	8	147.7	81.7	0.1	0.0	229.4	6
1I	172	1069	-0	0	0	0	8	122.2	81.0	0.1	0.0	203.2	6
1M	172	1204	-0	0	0	0	8	137.6	81.0	0.1	0.0	218.6	6
2	172	1311	-0	0	0	24	10	149.8	272.5	0.1	0.0	422.3	1
3	172	496	-0	0	0	15	7	56.7	170.0	0.0	0.0	226.8	1
4	172	1335	-0	0	0	15	6	152.5	170.2	0.0	0.0	322.7	1
5	172	68	-0	0	0	15	7	7.8	169.9	0.0	0.0	177.6	1
6	172	1776	-0	0	0	6	11	202.9	130.6	0.0	0.0	333.5	6
7	172	618	-0	0	0	4	7	70.6	81.4	0.0	0.0	152.0	6
8	172	1728	-0	0	0	4	7	197.4	81.4	0.0	0.0	278.8	6
9	172	155	-0	0	0	4	7	17.7	81.3	0.0	0.0	99.0	6
10	172	1650	-0	0	0	24	10	188.6	272.7	0.1	0.0	461.3	1
11	172	706	-0	0	0	15	7	80.7	170.2	0.0	0.0	250.9	1
12	172	1544	-0	0	0	15	7	176.4	170.4	0.0	0.0	346.8	1
13	172	264	-0	0	0	15	7	30.1	170.0	0.0	0.0	200.2	1
14	172	1698	-0	0	0	6	12	194.1	138.3	0.0	0.0	332.4	6
15	172	565	-0	0	0	4	7	64.6	81.4	0.0	0.0	146.0	6
16	172	1673	-0	0	0	4	7	191.2	81.4	0.0	0.0	272.6	6
17	172	77	-0	0	0	4	7	8.8	81.3	0.0	0.0	90.1	6
1A	345	988	-9	0	0	-0	-0	113.0	0.9	3.1	0.0	113.8	6
1E	345	1300	-9	0	0	-0	-0	148.5	0.9	3.1	0.0	149.4	6
1I	345	1077	-9	0	0	-0	-0	123.0	1.0	3.1	0.0	124.1	6
1M	345	1211	-9	0	0	-0	-0	138.4	1.0	3.1	0.0	139.5	6
2	345	1322	-12	28	0	-0	-0	151.1	4.6	9.1	0.0	155.7	1
3	345	504	-8	18	0	-0	-0	57.6	3.0	5.7	0.0	60.5	1
4	345	1342	-8	18	0	-0	-0	153.4	2.9	5.7	0.0	156.2	1
5	345	75	-8	18	0	-0	-0	8.6	3.1	5.7	0.0	13.9	4
6	345	1786	-13	7	0	-0	-0	204.1	1.2	4.2	0.0	205.3	1
7	345	624	-8	4	0	-0	-0	71.3	0.9	2.6	0.0	72.3	1
8	345	1734	-8	4	0	-0	-0	198.2	0.8	2.6	0.0	198.9	1
9	345	162	-8	4	0	-0	-0	18.5	1.1	2.6	0.0	19.5	1
10	345	1662	-12	28	0	-0	-0	189.9	4.5	9.1	0.0	194.5	1
11	345	713	-8	18	0	-0	-0	81.5	3.0	5.7	0.0	84.5	1
12	345	1551	-8	18	0	-0	-0	177.3	2.8	5.7	0.0	180.1	1
13	345	271	-8	18	0	-0	-0	31.0	3.1	5.7	0.0	34.1	1
14	345	1710	-14	7	0	-0	-0	195.4	1.3	4.5	0.0	196.7	1
15	345	572	-8	4	0	-0	-0	65.4	1.0	2.6	0.0	66.3	1
16	345	1680	-8	4	0	-0	-0	192.0	0.8	2.6	0.0	192.8	6
17	345	84	-8	4	0	-0	-0	9.6	1.1	2.6	0.0	11.1	4

ASTA NUM. 11 NI 16 NF 18 Lungh. 158.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.3592	-0.0898	--	--	5.4977	5.0487 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-1416	4	0	0	0	-0	161.8	0.8	1.4	0.0	162.6	6	
1E	0	-1120	4	0	0	0	-0	128.0	0.8	1.4	0.0	128.8	6	
1I	0	-1342	4	0	0	0	-0	153.4	1.1	1.4	0.0	154.5	1	
1M	0	-1194	4	0	0	0	-0	136.5	1.1	1.4	0.0	137.6	1	
2	0	-1473	6	12	0	-0	-0	168.3	5.3	4.0	0.0	173.7	1	
3	0	-567	4	8	0	-0	-0	64.8	3.4	2.5	0.0	68.2	1	
4	0	-1485	4	8	0	-0	-0	169.7	3.1	2.5	0.0	172.9	1	
5	0	-98	4	8	0	-0	-0	11.2	3.6	2.5	0.0	14.7	1	
6	0	-1981	6	3	0	-0	-0	226.4	2.6	2.0	0.0	229.0	6	
7	0	-699	4	2	0	-0	-0	79.9	1.5	1.3	0.0	81.4	6	
8	0	-1915	4	2	0	-0	-0	218.9	1.5	1.3	0.0	220.4	6	
9	0	-192	4	2	0	-0	-0	21.9	1.5	1.3	0.0	23.3	1	
10	0	-1847	6	12	0	-0	-0	211.1	5.3	4.0	0.0	216.4	1	
11	0	-798	4	8	0	-0	-0	91.2	3.4	2.5	0.0	94.6	1	
12	0	-1715	4	8	0	-0	-0	196.0	3.1	2.5	0.0	199.1	1	
13	0	-313	4	8	0	-0	-0	35.8	3.6	2.5	0.0	39.4	1	
14	0	-1897	7	3	0	-0	-0	216.8	2.6	2.2	0.0	219.4	6	
15	0	-642	4	2	0	-0	-0	73.4	1.5	1.3	0.0	74.8	6	
16	0	-1855	4	2	0	-0	-0	212.0	1.5	1.3	0.0	213.5	6	
17	0	-107	4	2	0	-0	-0	12.2	1.5	1.3	0.0	13.7	1	
1A	79	-1412	0	0	0	-0	2	161.4	17.1	0.0	0.0	178.5	6	
1E	79	-1117	0	0	0	-0	2	127.6	17.1	0.0	0.0	144.7	6	
1I	79	-1338	0	0	0	-0	2	153.0	17.1	0.0	0.0	170.0	6	
1M	79	-1191	0	0	0	-0	2	136.1	17.1	0.0	0.0	153.1	6	
2	79	-1468	0	-0	0	-5	2	167.8	58.8	0.1	0.0	226.6	1	
3	79	-564	0	-0	0	-3	1	64.5	36.9	0.1	0.0	101.3	1	
4	79	-1482	0	-0	0	-3	1	169.4	36.7	0.1	0.0	206.0	1	
5	79	-94	0	-0	0	-3	1	10.8	37.2	0.1	0.0	48.0	1	
6	79	-1976	0	-0	0	-1	2	225.8	27.5	0.1	0.0	253.3	6	
7	79	-696	0	-0	0	-1	1	79.6	17.4	0.0	0.0	96.9	6	
8	79	-1912	0	-0	0	-1	1	218.5	17.1	0.0	0.0	235.6	6	
9	79	-189	0	-0	0	-1	1	21.5	17.6	0.0	0.0	39.1	6	
10	79	-1842	0	-0	0	-5	2	210.5	58.7	0.1	0.0	269.2	1	
11	79	-795	0	-0	0	-3	1	90.8	36.8	0.1	0.0	127.6	1	
12	79	-1712	0	-0	0	-3	1	195.7	36.6	0.1	0.0	232.2	1	
13	79	-310	0	-0	0	-3	1	35.4	37.1	0.1	0.0	72.5	1	
14	79	-1892	0	-0	0	-1	2	216.2	29.1	0.1	0.0	245.3	6	
15	79	-639	0	-0	0	-1	1	73.0	17.3	0.0	0.0	90.4	6	
16	79	-1852	0	-0	0	-1	1	211.7	17.1	0.0	0.0	228.7	6	
17	79	-104	0	-0	0	-1	1	11.8	17.6	0.0	0.0	29.4	6	
1A	158	-1409	-4	0	0	-0	0	161.0	1.7	1.4	0.0	162.7	1	
1E	158	-1113	-4	0	0	-0	0	127.2	1.7	1.4	0.0	128.9	1	
1I	158	-1335	-4	0	0	-0	0	152.6	1.2	1.4	0.0	153.8	1	
1M	158	-1187	-4	0	0	-0	0	135.7	1.2	1.4	0.0	136.9	1	
2	158	-1463	-5	-13	0	0	0	167.2	2.5	4.3	0.0	169.7	1	
3	158	-561	-3	-8	0	0	0	64.1	1.5	2.7	0.0	65.6	1	
4	158	-1479	-3	-8	0	0	0	169.0	1.5	2.7	0.0	170.5	1	
5	158	-91	-3	-8	0	0	0	10.4	1.2	2.7	0.0	11.9	4	
6	158	-1971	-6	-3	0	0	0	225.3	1.3	1.9	0.0	226.6	6	
7	158	-693	-4	-2	0	0	0	79.2	0.8	1.2	0.0	80.0	6	
8	158	-1909	-4	-2	0	0	0	218.2	0.7	1.2	0.0	218.9	6	
9	158	-186	-4	-2	0	-0	0	21.2	1.0	1.2	0.0	22.2	6	
10	158	-1837	-5	-13	0	0	0	209.9	2.6	4.3	0.0	212.5	1	
11	158	-792	-3	-8	0	0	0	90.5	1.5	2.7	0.0	92.0	1	
12	158	-1709	-3	-8	0	0	0	195.3	1.5	2.7	0.0	196.8	1	
13	158	-307	-3	-8	0	0	0	35.1	1.2	2.7	0.0	36.3	1	
14	158	-1887	-6	-3	0	0	0	215.7	1.1	2.0	0.0	216.8	6	
15	158	-636	-4	-2	0	0	0	72.7	0.7	1.2	0.0	73.4	6	
16	158	-1849	-4	-2	0	0	0	211.3	0.6	1.2	0.0	212.0	6	
17	158	-101	-4	-2	0	-0	0	11.5	0.9	1.2	0.0	12.4	6	

ASTA NUM. 12 NI 15 NF 18 Lungh. 158.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.3592	-0.0898	--	--	5.4977	5.0487 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-908	4	0	0	0	-0	103.7	0.7	1.4	0.0	104.4	6	
1E	0	-612	4	0	0	0	-0	69.9	0.7	1.4	0.0	70.6	6	
1I	0	-834	4	0	0	0	-0	95.3	1.0	1.4	0.0	96.3	1	
1M	0	-685	4	0	0	0	-0	78.3	1.0	1.4	0.0	79.3	1	
2	0	-1372	6	-12	0	0	-0	156.8	5.3	4.0	0.0	162.1	1	
3	0	-1072	4	-8	0	0	-0	122.5	3.2	2.5	0.0	125.7	1	
4	0	-94	4	-8	0	0	-0	10.8	3.4	2.5	0.0	14.2	1	
5	0	-1534	4	-8	0	0	-0	175.3	2.9	2.5	0.0	178.2	1	
6	0	-1321	6	-3	0	0	-0	151.0	2.5	2.0	0.0	153.5	6	
7	0	-1171	4	-2	0	0	-0	133.8	1.6	1.3	0.0	135.4	6	
8	0	69	4	-2	0	0	-0	7.9	1.5	1.3	0.0	9.4	6	
9	0	-1731	4	-2	0	0	-0	197.8	1.5	1.3	0.0	199.4	6	
10	0	-1166	6	-12	0	0	-0	133.3	5.4	4.0	0.0	138.7	1	
11	0	-941	4	-8	0	0	-0	107.6	3.3	2.5	0.0	110.9	1	
12	0	17	4	-8	0	0	-0	2.0	3.5	2.5	0.0	5.6	4	
13	0	-1405	4	-8	0	0	-0	160.6	3.0	2.5	0.0	163.6	1	
14	0	-1238	7	-3	0	0	-0	141.5	2.6	2.2	0.0	144.1	6	
15	0	-1114	4	-2	0	0	-0	127.3	1.6	1.3	0.0	128.9	6	
16	0	95	4	-2	0	0	-0	10.9	1.5	1.3	0.0	12.4	6	
17	0	-1674	4	-2	0	0	-0	191.3	1.6	1.3	0.0	192.9	6	
1A	79	-904	0	0	0	-0	2	103.4	17.1	0.0	0.0	120.4	6	
1E	79	-608	0	0	0	-0	2	69.5	17.1	0.0	0.0	86.6	6	
1I	79	-831	0	0	0	0	2	94.9	17.1	0.0	0.0	112.0	6	
1M	79	-682	0	0	0	0	2	78.0	17.1	0.0	0.0	95.1	6	
2	79	-1367	0	0	0	5	2	156.2	58.6	0.1	0.0	214.8	1	
3	79	-1069	0	0	0	3	1	122.2	36.5	0.1	0.0	158.6	1	
4	79	-91	0	0	0	3	1	10.4	36.7	0.1	0.0	47.1	1	
5	79	-1531	0	0	0	3	1	175.0	36.1	0.1	0.0	211.1	1	
6	79	-1316	0	0	0	1	2	150.4	27.5	0.1	0.0	177.9	6	
7	79	-1168	0	0	0	1	1	133.5	17.0	0.0	0.0	150.4	6	
8	79	72	0	0	0	1	1	8.3	17.2	0.0	0.0	25.5	6	
9	79	-1728	0	0	0	1	1	197.5	16.8	0.0	0.0	214.3	6	
10	79	-1161	0	0	0	5	2	132.7	58.7	0.1	0.0	191.4	1	
11	79	-938	0	0	0	3	1	107.2	36.5	0.1	0.0	143.7	1	
12	79	20	0	0	0	3	1	2.3	36.7	0.1	0.0	39.0	1	
13	79	-1402	0	0	0	3	1	160.2	36.2	0.1	0.0	196.4	1	
14	79	-1233	0	0	0	1	2	140.9	29.1	0.1	0.0	170.0	6	
15	79	-1111	0	0	0	1	1	127.0	16.9	0.0	0.0	143.9	6	
16	79	98	0	0	0	1	1	11.2	17.2	0.0	0.0	28.4	6	
17	79	-1671	0	0	0	1	1	191.0	16.7	0.0	0.0	207.8	6	
1A	158	-901	-4	0	0	-0	0	103.0	1.3	1.4	0.0	104.3	1	

1E	158	-605	-4	0	0	-0	0	69.2	1.3	1.4	0.0	70.5	1
1I	158	-827	-4	0	0	-0	0	94.6	0.8	1.4	0.0	95.4	1
1M	158	-679	-4	0	0	-0	0	77.6	0.8	1.4	0.0	78.4	1
2	158	-1362	-5	13	0	-0	0	155.7	2.8	4.3	0.0	158.4	1
3	158	-1066	-3	8	0	-0	0	121.8	1.8	2.7	0.0	123.6	1
4	158	-88	-3	8	0	-0	0	10.1	1.8	2.7	0.0	11.8	1
5	158	-1528	-3	8	0	-0	0	174.6	2.1	2.7	0.0	176.7	1
6	158	-1311	-6	3	0	-0	0	149.8	1.3	1.9	0.0	151.1	6
7	158	-1165	-4	2	0	-0	0	133.1	0.6	1.2	0.0	133.8	1
8	158	75	-4	2	0	-0	0	8.6	0.7	1.2	0.0	9.3	6
9	158	-1725	-4	2	0	-0	0	197.1	1.1	1.2	0.0	198.2	1
10	158	-1156	-5	13	0	-0	0	132.1	2.7	4.3	0.0	134.8	1
11	158	-935	-3	8	0	-0	0	106.8	1.7	2.7	0.0	108.5	1
12	158	23	-3	8	0	-0	0	2.7	1.7	2.7	0.0	5.8	4
13	158	-1399	-3	8	0	-0	0	159.9	2.1	2.7	0.0	161.9	1
14	158	-1228	-6	3	0	-0	0	140.3	1.1	2.0	0.0	141.5	6
15	158	-1108	-4	2	0	-0	0	126.6	0.6	1.2	0.0	127.2	1
16	158	101	-4	2	0	-0	0	11.6	0.7	1.2	0.0	12.2	6
17	158	-1669	-4	2	0	-0	0	190.7	1.0	1.2	0.0	191.7	1

ASTA NUM. 13 NI 19 NF 24 Lungh. 373.1 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.4714	-1.1178	--	--	5.2595	-0.3297 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5757	10	0	0	2	0	657.9	19.9	3.2	0.0	677.8	1	
1E	0	-1531	10	0	0	2	0	175.0	19.9	3.2	0.0	195.0	1	
1I	0	-4452	10	0	0	1	0	508.8	12.6	3.2	0.0	521.4	1	
1M	0	-2836	10	0	0	1	0	324.1	12.6	3.2	0.0	336.7	1	
2	0	-5403	1	-1	0	1	-0	617.5	9.2	0.4	0.0	626.7	1	
3	0	-2787	1	-1	0	0	-0	318.5	5.1	0.3	0.0	323.6	1	
4	0	-3834	1	-1	0	0	-0	438.2	4.8	0.3	0.0	443.0	1	
5	0	-1966	1	-1	0	0	-0	224.7	4.1	0.3	0.0	228.8	1	
6	0	-5937	11	-0	0	1	-0	678.5	7.2	3.5	0.0	685.7	1	
7	0	-2840	7	-0	0	0	-0	324.6	3.4	2.2	0.0	328.0	1	
8	0	-4300	7	-0	0	0	-0	491.4	3.3	2.2	0.0	494.7	1	
9	0	-1953	7	-0	0	0	-0	223.2	2.4	2.2	0.0	225.6	1	
10	0	-6394	1	-1	0	1	-0	730.7	9.7	0.4	0.0	740.5	1	
11	0	-3443	1	-1	0	0	-0	393.5	5.4	0.3	0.0	398.9	1	
12	0	-4438	1	-1	0	0	-0	507.2	5.2	0.3	0.0	512.4	1	
13	0	-2625	1	-1	0	0	-0	300.0	4.5	0.3	0.0	304.5	1	
14	0	-5960	12	-0	0	1	-0	681.1	7.1	3.8	0.0	688.2	1	
15	0	-2887	7	-0	0	0	-0	329.9	3.3	2.2	0.0	333.3	1	
16	0	-4288	7	-0	0	0	-0	490.1	3.2	2.2	0.0	493.3	1	
17	0	-2036	7	-0	0	0	-0	232.7	2.4	2.2	0.0	235.1	1	
1A	187	-5749	-0	0	0	1	9	657.0	93.9	0.2	0.0	750.9	6	
1E	187	-1523	-0	0	0	1	9	174.1	93.9	0.2	0.0	268.1	6	
1I	187	-4444	-0	0	0	1	9	507.9	93.5	0.1	0.0	601.4	6	
1M	187	-2828	-0	0	0	1	9	323.2	93.5	0.1	0.0	416.7	6	
2	187	-5377	0	0	0	2	1	614.5	19.6	0.1	0.0	634.1	1	
3	187	-2771	0	0	0	1	1	316.6	11.8	0.0	0.0	328.4	1	
4	187	-3817	0	0	0	1	1	436.2	11.7	0.0	0.0	447.9	1	
5	187	-1950	0	0	0	1	1	222.8	11.2	0.0	0.0	234.0	1	
6	187	-5922	0	0	0	1	10	676.7	99.3	0.0	0.0	776.0	6	
7	187	-2831	-0	0	0	0	6	323.5	61.7	0.0	0.0	385.2	6	
8	187	-4290	-0	0	0	0	6	490.3	61.7	0.0	0.0	552.0	6	
9	187	-1944	-0	0	0	0	6	222.1	61.4	0.0	0.0	283.5	6	
10	187	-6368	0	0	0	2	1	727.8	20.1	0.1	0.0	747.8	1	
11	187	-3427	0	0	0	1	1	391.6	12.1	0.0	0.0	403.7	1	
12	187	-4422	0	0	0	1	1	505.3	12.0	0.0	0.0	517.3	1	
13	187	-2609	0	0	0	1	1	298.1	11.5	0.0	0.0	309.6	1	
14	187	-5944	0	0	0	1	11	679.3	108.2	0.0	0.0	787.5	6	
15	187	-2878	-0	0	0	0	6	328.9	61.7	0.0	0.0	390.5	6	
16	187	-4278	-0	0	0	0	6	489.0	61.7	0.0	0.0	550.6	6	
17	187	-2027	-0	0	0	0	6	231.6	61.4	0.0	0.0	293.0	6	
1A	373	-5741	-10	0	0	0	-0	656.1	3.5	3.2	0.0	659.5	1	
1E	373	-1515	-10	0	0	0	-0	173.2	3.5	3.2	0.0	176.7	1	
1I	373	-4436	-10	0	0	0	0	507.0	2.6	3.2	0.0	509.6	1	
1M	373	-2820	-10	0	0	0	0	322.3	2.6	3.2	0.0	324.9	1	
2	373	-5350	-1	1	0	0	-0	611.4	2.6	0.4	0.0	614.0	1	
3	373	-2754	-1	1	0	0	-0	314.7	1.5	0.3	0.0	316.3	1	
4	373	-3800	-1	1	0	0	-0	434.3	1.6	0.3	0.0	435.9	1	
5	373	-1933	-1	1	0	0	-0	220.9	1.6	0.3	0.0	222.5	6	
6	373	-5906	-11	0	0	0	-0	675.0	2.4	3.5	0.0	677.4	1	
7	373	-2821	-7	0	0	0	-0	322.4	1.4	2.2	0.0	323.8	1	
8	373	-4281	-7	0	0	0	-0	489.3	1.6	2.2	0.0	490.8	1	
9	373	-1934	-7	0	0	0	-0	221.0	1.3	2.2	0.0	222.3	6	
10	373	-6342	-1	1	0	0	-0	724.8	2.8	0.5	0.0	727.6	1	
11	373	-3410	-1	1	0	0	-0	389.7	1.7	0.3	0.0	391.4	1	
12	373	-4405	-1	1	0	0	-0	503.4	1.8	0.3	0.0	505.2	1	
13	373	-2592	-1	1	0	0	-0	296.2	1.6	0.3	0.0	297.8	6	
14	373	-5928	-12	0	0	0	-0	677.5	2.5	3.8	0.0	680.0	1	
15	373	-2868	-7	0	0	0	-0	327.8	1.4	2.2	0.0	329.2	1	
16	373	-4269	-7	0	0	0	-0	487.9	1.6	2.2	0.0	489.5	1	
17	373	-2017	-7	0	0	0	-0	230.5	1.4	2.2	0.0	231.9	6	

ASTA NUM. 14 NI 20 NF 23 Lungh. 373.1 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.4714	1.1178	--	--	5.2595	10.8487 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	881	10	0	0	2	0	100.7	17.5	3.2	0.0	118.2	1	
1E	0	5105	10	0	0	2	0	583.4	17.5	3.2	0.0	600.9	1	
1I	0	2185	10	0	0	1	0	249.7	10.2	3.2	0.0	259.9	1	
1M	0	3801	10	0	0	1	0	434.4	10.2	3.2	0.0	444.6	1	
2	0	4514	26	-1	0	1	0	515.9	5.4	8.5	0.0	521.3	1	
3	0	1813	16	-1	0	0	0	207.2	3.4	5.3	0.0	210.6	1	
4	0	2110	16	-1	0	0	0	241.1	3.9	5.3	0.0	245.0	1	
5	0	183	16	-1	0	0	0	20.9	3.2	5.3	0.0	24.1	1	
6	0	5094	17	-0	0	0	-0	582.2	3.9	5.5	0.0	586.1	1	
7	0	1664	11	-0	0	0	-0	190.2	2.5	3.4	0.0	192.6	1	
8	0	2307	10	-0	0	0	-0	263.7	3.0	3.4	0.0	266.7	1	
9	0	-113	11	-0	0	0	-0	12.9	2.2	3.4	0.0	15.0	1	
10	0	5484	26	-1	0	1	0	626.7	6.2	8.5	0.0	632.9	1	
11	0	2458	16	-1	0	0	0	280.9	3.9	5.3	0.0	284.8	1	
12	0	2731	16	-1	0	0	0	312.1	4.4	5.3	0.0	316.5	1	
13	0	856	16	-1	0	0	0	97.8	3.7	5.3	0.0	101.5	1	
14	0	5071	18	-0	0	0	-0	579.5	4.0	5.8	0.0	583.5	1	
15	0	1688	11	-0	0	0	-0	192.9	2.6	3.4	0.0	195.5	1	
16	0	2319	10	-0	0	0	-0	265.0	3.1	3.4	0.0	268.1	1	
17	0	-11	11	-0	0	0	-0	1.3	2.4	3.4	0.0	6.3	5	
1A	187	889	-0	0	0	1	9	101.7	92.3	0.1	0.0	194.0	6	
1E	187	5113	-0	0	0	1	9	584.3	92.3	0.1	0.0	676.6	6	
1I	187	2193	-0	0	0	1	9	250.6	91.9	0.1	0.0	342.5	6	
1M	187	3809	-0	0	0	1	9	435.3	91.9	0.1	0.0	527.2	6	
2	187	4511	-0	0	0	2	24	515.5	245.6	0.0	0.0	761.1	6	
3	187	1811	-0	0	0	1	15	206.9	153.5	0.0	0.0	360.4	6	
4	187	2108	-0	0	0	1	15	240.9	153.5	0.0	0.0	394.4	6	
5	187	181	-0	0	0	1	15	20.7	153.4	0.0	0.0	174.1	6	
6	187	5102	-0	0	0	1	16	583.1	154.9	0.0	0.0	738.0	6	
7	187	1669	-0	0	0	0	10	190.7	96.8	0.0	0.0	287.5	6	
8	187	2312	-0	0	0	0	10	264.2	96.8	0.0	0.0	361.1	6	
9	187	-108	-0	0	0	0	10	12.3	96.7	0.0	0.0	109.0	6	
10	187	5481	-0	0	0	2	24	626.3	245.7	0.0	0.0	872.1	6	
11	187	2456	-0	0	0	1	15	280.6	153.5	0.0	0.0	434.2	6	
12	187	2729	-0	0	0	1	15	311.9	153.6	0.0	0.0	465.4	6	
13	187	853	-0	0	0	1	15	97.5	153.4	0.0	0.0	251.0	6	
14	187	5080	-0	0	0	1	16	580.5	163.8	0.0	0.0	744.3	6	
15	187	1693	-0	0	0	0	10	193.4	96.8	0.0	0.0	290.2	6	
16	187	2324	-0	0	0	0	10	265.6	96.9	0.0	0.0	362.5	6	
17	187	-6	-0	0	0	0	10	0.7	96.7	0.0	0.0	97.4	6	
1A	373	897	-10	0	0	0	-0	102.6	4.6	3.2	0.0	107.1	6	
1E	373	5121	-10	0	0	0	-0	585.2	4.6	3.2	0.0	589.8	6	
1I	373	2201	-10	0	0	0	-0	251.6	2.9	3.2	0.0	254.4	1	
1M	373	3817	-10	0	0	0	-0	436.2	2.9	3.2	0.0	439.1	1	
2	373	4507	-26	1	0	0	-0	515.1	3.3	8.6	0.0	518.4	6	
3	373	1808	-16	1	0	0	-0	206.6	2.0	5.4	0.0	208.7	6	
4	373	2106	-16	1	0	0	-0	240.7	2.2	5.4	0.0	242.9	6	
5	373	179	-16	1	0	0	-0	20.5	1.9	5.4	0.0	22.9	4	
6	373	5110	-17	0	0	0	-0	584.0	4.0	5.5	0.0	588.0	6	
7	373	1674	-11	0	0	0	-0	191.3	2.4	3.4	0.0	193.7	6	
8	373	2317	-11	0	0	0	-0	264.8	2.7	3.5	0.0	267.5	6	
9	373	-103	-11	0	0	0	-0	11.7	2.3	3.4	0.0	14.0	6	
10	373	5477	-26	1	0	0	-0	625.9	3.7	8.6	0.0	629.6	6	
11	373	2453	-16	1	0	0	-0	280.3	2.2	5.4	0.0	282.6	6	
12	373	2727	-16	1	0	0	-0	311.7	2.5	5.4	0.0	314.1	6	
13	373	851	-16	1	0	0	-0	97.3	2.1	5.4	0.0	99.4	6	
14	373	5088	-18	0	0	0	-0	581.5	4.2	5.8	0.0	585.6	6	
15	373	1697	-11	0	0	0	-0	193.9	2.4	3.4	0.0	196.4	6	
16	373	2329	-11	0	0	0	-0	266.2	2.7	3.5	0.0	268.9	6	
17	373	-1	-11	0	0	0	-0	0.2	2.3	3.4	0.0	6.0	5	

ASTA NUM. 15 NI 23 NF 8 Lungh. 316.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.8859	-0.9715	--	--	5.4977	0.6403 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm		daN			daN*m			daN/cmq				
1A	0	-5496	9	0	0	0	0	628.1	3.0	2.8	0.0	631.1	1
1E	0	-1004	9	0	0	0	0	114.8	3.0	2.8	0.0	117.8	1
1I	0	-4057	9	0	0	0	0	463.6	2.5	2.8	0.0	466.1	1
1M	0	-2443	9	0	0	0	0	279.2	2.5	2.8	0.0	281.7	1
2	0	-4687	3	-1	0	0	0	535.7	3.4	0.9	0.0	539.0	6
3	0	-1845	2	-0	0	0	0	210.9	2.1	0.6	0.0	212.9	6
4	0	-2166	2	-0	0	0	0	247.5	1.9	0.6	0.0	249.4	1
5	0	-95	2	-0	0	0	0	10.8	2.0	0.6	0.0	12.9	6
6	0	-5469	10	-0	0	0	0	625.0	2.4	3.2	0.0	627.5	1
7	0	-1784	6	-0	0	0	0	203.9	1.3	2.0	0.0	205.2	1
8	0	-2478	6	-0	0	0	-0	283.2	1.5	2.0	0.0	284.7	1
9	0	124	6	-0	0	0	0	14.2	1.1	2.0	0.0	15.2	1
10	0	-5731	3	-1	0	0	0	655.0	3.5	0.9	0.0	658.5	1
11	0	-2539	2	-0	0	0	0	290.2	2.1	0.6	0.0	292.3	6
12	0	-2835	2	-0	0	0	0	324.0	2.0	0.6	0.0	326.0	1
13	0	-818	2	-0	0	0	0	93.5	2.1	0.6	0.0	95.6	6
14	0	-5447	11	-0	0	0	0	622.5	2.4	3.5	0.0	625.0	1
15	0	-1809	6	-0	0	0	0	206.7	1.3	2.0	0.0	208.0	1
16	0	-2491	6	-0	0	0	-0	284.7	1.5	2.0	0.0	286.2	1
17	0	15	6	-0	0	0	0	1.8	1.1	2.0	0.0	4.1	5
1A	158	-5489	-0	0	0	0	7	627.4	68.3	0.0	0.0	695.7	6
1E	158	-998	-0	0	0	0	7	114.0	68.3	0.0	0.0	182.4	6
1I	158	-4050	-0	0	0	0	7	462.9	68.4	0.0	0.0	531.2	6
1M	158	-2437	-0	0	0	0	7	278.5	68.4	0.0	0.0	346.8	6
2	158	-4666	-0	0	0	1	2	533.2	27.3	0.0	0.0	560.5	6
3	158	-1832	-0	0	0	0	2	209.3	17.0	0.0	0.0	226.3	6
4	158	-2152	-0	0	0	0	2	246.0	17.0	0.0	0.0	263.0	6
5	158	-81	-0	0	0	0	2	9.3	16.9	0.0	0.0	26.2	6
6	158	-5457	0	0	0	0	8	623.7	78.3	0.0	0.0	702.0	6
7	158	-1776	-0	0	0	0	5	203.0	48.8	0.0	0.0	251.8	6
8	158	-2470	0	0	0	0	5	282.3	48.9	0.0	0.0	331.2	6
9	158	132	-0	0	0	0	5	15.0	48.8	0.0	0.0	63.8	6
10	158	-5710	-0	0	0	1	2	652.5	27.4	0.0	0.0	679.9	6
11	158	-2525	-0	0	0	0	2	288.6	17.0	0.0	0.0	305.7	6
12	158	-2821	-0	0	0	1	2	322.5	17.1	0.0	0.0	339.5	6
13	158	-805	-0	0	0	0	2	91.9	17.0	0.0	0.0	108.9	6
14	158	-5435	0	0	0	0	9	621.1	85.0	0.0	0.0	706.1	6
15	158	-1802	-0	0	0	0	5	205.9	48.8	0.0	0.0	254.7	6
16	158	-2483	0	0	0	0	5	283.8	48.9	0.0	0.0	332.6	6
17	158	23	-0	0	0	0	5	2.6	48.7	0.0	0.0	51.4	6
1A	317	-5483	-9	0	0	-0	-0	626.6	0.9	2.9	0.0	627.5	6
1E	317	-991	-9	0	0	-0	-0	113.3	0.9	2.9	0.0	114.2	6
1I	317	-4044	-9	0	0	-0	-0	462.1	0.6	2.9	0.0	462.7	6
1M	317	-2430	-9	0	0	-0	-0	277.7	0.6	2.9	0.0	278.3	6
2	317	-4644	-3	1	0	-0	0	530.7	0.4	1.0	0.0	531.2	1
3	317	-1818	-2	1	0	-0	0	207.8	0.3	0.6	0.0	208.1	1
4	317	-2139	-2	1	0	0	0	244.5	0.2	0.6	0.0	244.6	6
5	317	-68	-2	1	0	-0	0	7.8	0.6	0.6	0.0	8.3	1
6	317	-5445	-10	0	0	-0	0	622.3	0.3	3.2	0.0	622.6	6
7	317	-1768	-6	0	0	-0	-0	202.1	0.2	2.0	0.0	202.3	1
8	317	-2463	-6	0	0	0	0	281.5	0.3	2.0	0.0	281.8	1
9	317	139	-6	0	0	-0	0	15.9	0.5	2.0	0.0	16.5	5
10	317	-5688	-3	1	0	-0	0	650.1	0.5	1.0	0.0	650.5	6
11	317	-2512	-2	1	0	-0	0	287.1	0.3	0.6	0.0	287.4	1
12	317	-2808	-2	1	0	0	0	320.9	0.2	0.6	0.0	321.2	6
13	317	-791	-2	1	0	-0	0	90.4	0.6	0.6	0.0	91.0	1
14	317	-5422	-11	0	0	-0	0	619.7	0.2	3.5	0.0	619.8	1
15	317	-1794	-6	0	0	-0	-0	205.0	0.3	2.0	0.0	205.3	1
16	317	-2475	-6	0	0	0	0	282.9	0.3	2.0	0.0	283.1	1
17	317	31	-6	0	0	-0	-0	3.5	0.5	2.0	0.0	5.1	5

ASTA NUM. 16 NI 24 NF 5 Lungh. 316.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.8859	0.9715	--	--	5.4977	10.3550 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	1642	9	0	0	0	-0	187.7	2.4	2.8	0.0	190.1	1	
1E	0	6134	9	0	0	0	-0	701.0	2.4	2.8	0.0	703.5	1	
1I	0	3081	9	0	0	0	-0	352.1	2.1	2.8	0.0	354.2	1	
1M	0	4695	9	0	0	0	-0	536.5	2.1	2.8	0.0	538.6	1	
2	0	5557	22	-1	0	0	-1	635.1	6.1	7.0	0.0	641.2	6	
3	0	2839	13	-0	0	0	-0	324.5	3.9	4.4	0.0	328.3	6	
4	0	3963	13	-0	0	0	-0	452.9	3.9	4.4	0.0	456.8	6	
5	0	1954	13	-0	0	0	-0	223.3	4.0	4.4	0.0	227.4	6	
6	0	6289	15	-0	0	0	-0	718.7	3.6	4.7	0.0	722.4	6	
7	0	2994	9	-0	0	0	-0	342.2	2.4	3.0	0.0	344.5	6	
8	0	4563	9	-0	0	0	-0	521.5	2.3	3.0	0.0	523.8	6	
9	0	2037	9	-0	0	0	-0	232.8	2.6	3.0	0.0	235.4	6	
10	0	6624	22	-1	0	0	-1	757.0	6.2	7.0	0.0	763.2	6	
11	0	3545	13	-0	0	0	-0	405.1	3.9	4.4	0.0	409.0	6	
12	0	4614	13	-0	0	0	-0	527.3	3.9	4.4	0.0	531.2	6	
13	0	2662	13	-0	0	0	-0	304.2	4.1	4.4	0.0	308.3	6	
14	0	6311	15	-0	0	0	-0	721.3	3.7	5.0	0.0	724.9	6	
15	0	3045	9	-0	0	0	-0	348.0	2.3	3.0	0.0	350.3	6	
16	0	4550	9	-0	0	0	-0	520.0	2.3	3.0	0.0	522.3	6	
17	0	2127	9	-0	0	0	-0	243.1	2.5	3.0	0.0	245.6	6	
1A	158	1649	-0	0	0	0	7	188.4	66.9	0.0	0.0	255.3	6	
1E	158	6140	-0	0	0	0	7	701.8	66.9	0.0	0.0	768.6	6	
1I	158	3088	-0	0	0	0	7	352.9	66.9	0.0	0.0	419.8	6	
1M	158	4701	-0	0	0	0	7	537.3	66.9	0.0	0.0	604.2	6	
2	158	5554	0	0	0	1	17	634.7	165.6	0.0	0.0	800.4	6	
3	158	2837	0	0	0	0	10	324.2	103.4	0.0	0.0	427.6	6	
4	158	3961	0	0	0	0	10	452.7	103.5	0.0	0.0	556.2	6	
5	158	1952	0	0	0	0	10	223.1	103.3	0.0	0.0	326.3	6	
6	158	6295	-0	0	0	0	11	719.4	111.1	0.0	0.0	830.5	6	
7	158	2998	0	0	0	0	7	342.6	69.3	0.0	0.0	411.8	6	
8	158	4567	0	0	0	0	7	521.9	69.4	0.0	0.0	591.3	6	
9	158	2041	0	0	0	0	7	233.3	69.1	0.0	0.0	302.4	6	
10	158	6620	0	0	0	1	17	756.6	165.6	0.0	0.0	922.2	6	
11	158	3543	0	0	0	0	10	404.9	103.4	0.0	0.0	508.3	6	
12	158	4612	0	0	0	0	10	527.1	103.5	0.0	0.0	630.6	6	
13	158	2660	0	0	0	0	10	304.0	103.3	0.0	0.0	407.3	6	
14	158	6318	-0	0	0	0	12	722.0	117.7	0.0	0.0	839.7	6	
15	158	3049	0	0	0	0	7	348.4	69.3	0.0	0.0	417.7	6	
16	158	4554	0	0	0	0	7	520.5	69.4	0.0	0.0	589.8	6	
17	158	2131	0	0	0	0	7	243.5	69.1	0.0	0.0	312.6	6	
1A	317	1655	-9	0	0	-0	-0	189.2	3.0	2.9	0.0	192.1	6	
1E	317	6147	-9	0	0	-0	-0	702.5	3.0	2.9	0.0	705.5	6	
1I	317	3094	-9	0	0	-0	-0	353.6	2.6	2.9	0.0	356.3	6	
1M	317	4708	-9	0	0	-0	-0	538.0	2.6	2.9	0.0	540.7	6	
2	317	5551	-21	1	0	-0	-0	634.4	3.4	7.0	0.0	637.8	6	
3	317	2835	-13	1	0	-0	-0	324.0	2.1	4.3	0.0	326.1	6	
4	317	3959	-13	1	0	-0	-0	452.5	2.0	4.3	0.0	454.5	6	
5	317	1950	-13	1	0	-0	-0	222.9	2.0	4.3	0.0	224.9	6	
6	317	6301	-15	0	0	-0	-0	720.1	3.3	4.7	0.0	723.4	6	
7	317	3001	-9	0	0	-0	-0	343.0	2.1	3.0	0.0	345.0	6	
8	317	4571	-9	0	0	-0	-0	522.4	1.9	3.0	0.0	524.3	6	
9	317	2045	-9	0	0	-0	-0	233.7	2.0	2.9	0.0	235.7	6	
10	317	6617	-21	1	0	-0	-0	756.2	3.6	7.0	0.0	759.8	6	
11	317	3541	-13	1	0	-0	-0	404.7	2.3	4.4	0.0	406.9	6	
12	317	4610	-13	1	0	-0	-0	526.9	2.1	4.4	0.0	529.0	6	
13	317	2658	-13	1	0	-0	-0	303.8	2.2	4.3	0.0	305.9	6	
14	317	6324	-15	0	0	-0	-0	722.7	3.5	5.0	0.0	726.2	6	
15	317	3052	-9	0	0	-0	-0	348.8	2.1	3.0	0.0	350.9	6	
16	317	4558	-9	0	0	-0	-0	520.9	2.0	3.0	0.0	522.9	6	
17	317	2134	-9	0	0	-0	-0	243.9	2.0	2.9	0.0	245.9	6	

ASTA NUM. 17 NI 22 NF 25 Lungh. 373.1 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.4714	-1.1178	--	--	5.2595	-0.3297 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5130	10	0	0	1	0	586.3	11.5	3.2	0.0	597.8	1	
1E	0	-908	10	0	0	1	0	103.7	11.5	3.2	0.0	115.2	1	
1I	0	-3827	10	0	0	0	0	437.3	4.1	3.2	0.0	441.4	1	
1M	0	-2212	10	0	0	0	0	252.7	4.1	3.2	0.0	256.9	1	
2	0	-5289	1	1	0	-1	-0	604.5	10.5	0.4	0.0	615.0	1	
3	0	-3549	1	1	0	-1	-0	405.6	6.9	0.3	0.0	412.5	1	
4	0	-2098	1	1	0	-1	-0	239.8	6.9	0.3	0.0	246.7	1	
5	0	-3806	1	1	0	-1	-0	435.0	7.5	0.3	0.0	442.4	1	
6	0	-5126	11	0	0	-1	-0	585.8	8.2	3.5	0.0	594.0	1	
7	0	-3629	7	0	0	-1	-0	414.7	5.7	2.2	0.0	420.5	1	
8	0	-1826	7	0	0	-1	-0	208.7	5.6	2.2	0.0	214.3	1	
9	0	-3927	7	0	0	-1	-0	448.8	6.3	2.2	0.0	455.1	1	
10	0	-5556	1	1	0	-1	-0	635.0	10.8	0.4	0.0	645.8	1	
11	0	-3752	1	1	0	-1	-0	428.8	7.1	0.3	0.0	435.9	1	
12	0	-2276	1	1	0	-1	-0	260.1	7.1	0.3	0.0	267.2	1	
13	0	-4041	1	1	0	-1	-0	461.8	7.7	0.3	0.0	469.5	1	
14	0	-5149	12	0	0	-1	-0	588.5	8.1	3.8	0.0	596.6	1	
15	0	-3676	7	0	0	-1	-0	420.1	5.6	2.2	0.0	425.7	1	
16	0	-1857	7	0	0	-1	-0	212.2	5.5	2.2	0.0	217.7	1	
17	0	-4058	7	0	0	-1	-0	463.8	6.2	2.2	0.0	470.0	1	
1A	187	-5122	-0	0	0	1	9	585.4	92.0	0.1	0.0	677.4	6	
1E	187	-899	-0	0	0	1	9	102.8	92.0	0.1	0.0	194.8	6	
1I	187	-3818	-0	0	0	0	9	436.3	91.6	0.0	0.0	527.9	6	
1M	187	-2203	-0	0	0	0	9	251.8	91.6	0.0	0.0	343.4	6	

2	187	-5263	0	-0	0	-2	1	601.5	20.3	0.1	0.0	621.8	1
3	187	-3533	0	-0	0	-1	1	403.7	12.9	0.0	0.0	416.6	1
4	187	-2082	0	-0	0	-1	1	237.9	12.7	0.0	0.0	250.6	1
5	187	-3790	0	-0	0	-1	1	433.1	13.2	0.0	0.0	446.3	1
6	187	-5111	0	-0	0	-1	10	584.1	99.6	0.0	0.0	683.6	6
7	187	-3620	0	-0	0	-1	6	413.7	62.4	0.0	0.0	476.0	6
8	187	-1817	0	-0	0	-1	6	207.6	62.3	0.0	0.0	269.9	6
9	187	-3918	0	-0	0	-1	6	447.7	62.6	0.0	0.0	510.3	6
10	187	-5530	0	-0	0	-2	1	631.9	20.6	0.1	0.0	652.5	1
11	187	-3736	0	-0	0	-1	1	426.9	13.1	0.0	0.0	440.0	1
12	187	-2260	0	-0	0	-1	1	258.2	12.9	0.0	0.0	271.1	1
13	187	-4025	0	-0	0	-1	1	459.9	13.4	0.0	0.0	473.3	1
14	187	-5133	0	-0	0	-1	11	586.6	108.5	0.0	0.0	695.0	6
15	187	-3667	0	-0	0	-1	6	419.0	62.3	0.0	0.0	481.4	6
16	187	-1848	0	-0	0	-0	6	211.1	62.3	0.0	0.0	273.4	6
17	187	-4049	0	-0	0	-1	6	462.7	62.5	0.0	0.0	525.2	6
1A	373	-5113	-10	0	0	0	-0	584.4	1.5	3.2	0.0	585.9	6
1E	373	-891	-10	0	0	0	-0	101.8	1.5	3.2	0.0	103.3	6
1I	373	-3810	-10	0	0	-0	0	435.4	0.9	3.2	0.0	436.2	6
1M	373	-2195	-10	0	0	-0	0	250.8	0.9	3.2	0.0	251.7	6
2	373	-5237	-1	-1	0	-0	-0	598.5	2.5	0.5	0.0	601.0	1
3	373	-3516	-1	-1	0	-0	-0	401.8	1.5	0.3	0.0	403.3	1
4	373	-2065	-1	-1	0	-0	-0	236.0	1.3	0.3	0.0	237.3	1
5	373	-3773	-1	-1	0	-0	-0	431.2	1.5	0.3	0.0	432.7	1
6	373	-5095	-11	-0	0	-0	-0	582.3	2.3	3.4	0.0	584.5	1
7	373	-3610	-7	-0	0	-0	0	412.6	1.5	2.2	0.0	414.1	1
8	373	-1807	-7	-0	0	-0	0	206.5	1.2	2.2	0.0	207.7	1
9	373	-3908	-7	-0	0	-0	0	446.6	1.7	2.1	0.0	448.3	1
10	373	-5503	-1	-1	0	-0	-0	628.9	2.6	0.5	0.0	631.5	1
11	373	-3719	-1	-1	0	-0	-0	425.0	1.6	0.3	0.0	426.7	1
12	373	-2243	-1	-1	0	-0	-0	256.3	1.4	0.3	0.0	257.7	1
13	373	-4008	-1	-1	0	-0	-0	458.1	1.6	0.3	0.0	459.7	1
14	373	-5116	-12	-0	0	-0	-0	584.7	2.4	3.8	0.0	587.0	1
15	373	-3657	-7	-0	0	-0	0	417.9	1.5	2.2	0.0	419.4	1
16	373	-1838	-7	-0	0	-0	0	210.1	1.2	2.2	0.0	211.3	1
17	373	-4039	-7	-0	0	-0	0	461.6	1.7	2.1	0.0	463.3	1

ASTA NUM. 18 NI 25 NF 6 Lungh. 316.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.8859	0.9715	--	--	5.4977	10.3550 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	971	9	0	0	0	0	111.0	0.2	2.8	0.0	111.2	1	
1E	0	5463	9	0	0	0	0	624.3	0.2	2.8	0.0	624.5	1	
1I	0	2411	9	-0	0	-0	-0	275.5	0.3	2.8	0.0	275.8	1	
1M	0	4023	9	-0	0	-0	-0	459.8	0.3	2.8	0.0	460.1	1	
2	0	5438	21	1	0	-0	-1	621.5	5.8	7.0	0.0	627.3	6	
3	0	3661	13	1	0	-0	-0	418.4	3.5	4.4	0.0	421.9	6	
4	0	2101	13	1	0	-0	-0	240.1	3.4	4.4	0.0	243.5	6	
5	0	3938	13	1	0	-0	-0	450.1	3.3	4.4	0.0	453.3	6	
6	0	5419	14	0	0	-0	-0	619.3	3.4	4.7	0.0	622.7	6	
7	0	3845	9	0	0	-0	-0	439.4	1.9	3.0	0.0	441.3	6	
8	0	1908	9	0	0	-0	-0	218.1	1.9	3.0	0.0	219.9	6	
9	0	4168	9	0	0	-0	-0	476.3	1.8	2.9	0.0	478.1	1	
10	0	5724	21	1	0	-0	-1	654.2	6.0	7.0	0.0	660.1	6	
11	0	3879	13	0	0	-0	-0	443.3	3.6	4.4	0.0	446.9	6	
12	0	2292	13	0	0	-0	-0	261.9	3.5	4.4	0.0	265.4	6	
13	0	4191	13	1	0	-0	-0	479.0	3.3	4.4	0.0	482.3	6	
14	0	5441	15	0	0	-0	-0	621.8	3.5	5.0	0.0	625.3	6	
15	0	3896	9	0	0	-0	-0	445.3	1.9	2.9	0.0	447.1	6	
16	0	1941	9	0	0	-0	-0	221.8	1.9	3.0	0.0	223.7	6	
17	0	4308	9	0	0	-0	-0	492.3	1.8	2.9	0.0	494.2	1	
1A	158	978	-0	0	0	0	7	111.7	66.6	0.0	0.0	178.3	6	
1E	158	5469	-0	0	0	0	7	625.1	66.6	0.0	0.0	691.6	6	
1I	158	2417	-0	-0	0	-0	7	276.3	66.7	0.0	0.0	343.0	6	
1M	158	4030	-0	-0	0	-0	7	460.5	66.7	0.0	0.0	527.3	6	
2	158	5434	0	-0	0	-1	17	621.1	165.8	0.0	0.0	786.9	6	
3	158	3659	0	-0	0	-0	10	418.2	103.8	0.0	0.0	521.9	6	
4	158	2099	0	-0	0	-0	10	239.9	103.7	0.0	0.0	343.6	6	
5	158	3936	0	-0	0	-1	10	449.8	103.9	0.0	0.0	553.7	6	
6	158	5425	-0	-0	0	-0	11	620.0	111.2	0.0	0.0	731.2	6	
7	158	3849	-0	-0	0	-0	7	439.9	69.7	0.0	0.0	509.6	6	
8	158	1911	-0	-0	0	-0	7	218.5	69.6	0.0	0.0	288.0	6	
9	158	4172	-0	-0	0	-0	7	476.7	69.8	0.0	0.0	546.6	6	
10	158	5721	0	-0	0	-1	17	653.8	165.7	0.0	0.0	819.5	6	
11	158	3877	0	-0	0	-1	10	443.1	103.7	0.0	0.0	546.8	6	
12	158	2290	0	-0	0	-0	10	261.7	103.6	0.0	0.0	365.3	6	
13	158	4189	0	-0	0	-1	10	478.7	103.8	0.0	0.0	582.6	6	
14	158	5448	-0	-0	0	-0	12	622.6	117.9	0.0	0.0	740.4	6	
15	158	3900	-0	-0	0	-0	7	445.7	69.7	0.0	0.0	515.4	6	
16	158	1944	-0	-0	0	-0	7	222.2	69.6	0.0	0.0	291.8	6	
17	158	4312	-0	-0	0	-0	7	492.8	69.8	0.0	0.0	562.6	6	
1A	317	984	-9	0	0	-0	-0	112.5	3.0	2.9	0.0	115.4	6	
1E	317	5476	-9	0	0	-0	-0	625.8	3.0	2.9	0.0	628.8	6	
1I	317	2424	-9	-0	0	-0	-0	277.0	2.6	2.9	0.0	279.6	6	
1M	317	4036	-9	-0	0	-0	-0	461.3	2.6	2.9	0.0	463.9	6	
2	317	5431	-21	-1	0	0	-0	620.7	3.3	7.0	0.0	624.0	6	
3	317	3657	-13	-1	0	-0	-0	417.9	2.1	4.4	0.0	420.1	6	
4	317	2097	-13	-1	0	-0	-0	239.7	2.1	4.4	0.0	241.7	6	
5	317	3934	-13	-1	0	-0	-0	449.6	2.4	4.4	0.0	452.0	6	
6	317	5431	-15	-0	0	0	-0	620.7	3.2	4.7	0.0	623.9	6	
7	317	3853	-9	-0	0	-0	-0	440.3	2.1	3.0	0.0	442.5	6	
8	317	1915	-9	-0	0	-0	-0	218.9	2.0	3.0	0.0	220.9	6	
9	317	4175	-9	-0	0	-0	-0	477.1	2.4	3.0	0.0	479.6	6	
10	317	5718	-21	-1	0	0	-0	653.5	3.6	7.0	0.0	657.1	6	
11	317	3875	-13	-1	0	-0	-0	442.9	2.2	4.4	0.0	445.1	6	
12	317	2288	-13	-1	0	0	-0	261.5	2.1	4.4	0.0	263.6	6	
13	317	4187	-13	-1	0	-0	-0	478.5	2.4	4.4	0.0	481.0	6	
14	317	5454	-15	-0	0	0	-0	623.3	3.4	5.0	0.0	626.8	6	
15	317	3904	-9	-0	0	-0	-0	446.2	2.2	3.0	0.0	448.4	6	
16	317	1948	-9	-0	0	-0	-0	222.6	2.1	3.0	0.0	224.7	6	
17	317	4316	-9	-0	0	-0	-0	493.3	2.5	3.0	0.0	495.7	6	

ASTA NUM. 19 NI 21 NF 26 Lungh. 373.1 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.4714	1.1178	--	--	5.2595	10.8487 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	1506	10	0	0	1	0	172.1	14.9	3.2	0.0	187.0	1	
1E	0	5728	10	0	0	1	0	654.7	14.9	3.2	0.0	669.6	1	
1I	0	2810	10	0	0	1	0	321.1	7.6	3.2	0.0	328.7	1	
1M	0	4425	10	0	0	1	0	505.7	7.6	3.2	0.0	513.3	1	
2	0	6078	26	1	0	-0	0	694.6	4.6	8.5	0.0	699.2	1	
3	0	4444	16	1	0	-0	0	507.9	2.7	5.3	0.0	510.6	1	
4	0	3751	16	1	0	-0	0	428.7	1.8	5.3	0.0	430.5	1	
5	0	5533	16	1	0	-0	0	632.3	2.3	5.3	0.0	634.6	1	
6	0	5903	17	0	0	-0	-0	674.6	3.0	5.5	0.0	677.6	1	
7	0	4743	11	0	0	-0	-0	542.1	1.6	3.4	0.0	543.6	1	
8	0	3765	11	0	0	-0	-0	430.3	1.0	3.4	0.0	431.3	6	
9	0	5959	11	0	0	-0	-0	681.0	1.2	3.4	0.0	682.2	1	
10	0	6320	26	1	0	-0	0	722.3	5.1	8.5	0.0	727.4	1	
11	0	4634	16	1	0	-0	0	529.6	3.0	5.3	0.0	532.6	1	
12	0	3891	16	1	0	-0	0	444.7	2.1	5.3	0.0	446.8	1	
13	0	5726	16	1	0	-0	0	654.4	2.7	5.3	0.0	657.1	1	
14	0	5880	18	0	0	-0	-0	672.0	3.1	5.8	0.0	675.1	1	
15	0	4767	11	0	0	-0	-0	544.8	1.7	3.4	0.0	546.5	1	
16	0	3734	11	0	0	-0	-0	426.7	1.0	3.4	0.0	427.8	6	
17	0	6022	11	0	0	-0	-0	688.2	1.4	3.4	0.0	689.6	1	
1A	187	1514	-0	0	0	1	9	173.0	91.5	0.1	0.0	264.5	6	
1E	187	5737	-0	0	0	1	9	655.6	91.5	0.1	0.0	747.1	6	
1I	187	2818	-0	0	0	0	9	322.1	91.0	0.1	0.0	413.1	6	
1M	187	4433	-0	0	0	0	9	506.6	91.0	0.1	0.0	597.7	6	
2	187	6075	-0	-0	0	-1	24	694.2	245.6	0.0	0.0	939.9	6	
3	187	4442	-0	-0	0	-1	15	507.7	153.5	0.0	0.0	661.2	6	
4	187	3749	-0	-0	0	-1	15	428.5	153.4	0.0	0.0	581.9	6	
5	187	5531	-0	-0	0	-1	15	632.1	153.5	0.0	0.0	785.6	6	
6	187	5911	-0	-0	0	-1	16	675.5	154.9	0.0	0.0	830.4	6	
7	187	4748	-0	0	0	-0	10	542.6	96.8	0.0	0.0	639.4	6	
8	187	3770	-0	0	0	-0	10	430.9	96.7	0.0	0.0	527.6	6	
9	187	5964	-0	0	0	-0	10	681.6	96.8	0.0	0.0	778.4	6	
10	187	6317	-0	-0	0	-2	24	721.9	245.7	0.0	0.0	967.5	6	
11	187	4632	-0	-0	0	-1	15	529.4	153.5	0.0	0.0	682.9	6	
12	187	3889	-0	-0	0	-1	15	444.5	153.4	0.0	0.0	597.9	6	
13	187	5724	-0	-0	0	-1	15	654.2	153.5	0.0	0.0	807.7	6	
14	187	5889	-0	-0	0	-1	16	673.0	163.8	0.0	0.0	836.8	6	
15	187	4772	-0	0	0	-0	10	545.3	96.8	0.0	0.0	642.1	6	
16	187	3739	-0	0	0	-0	10	427.3	96.7	0.0	0.0	524.0	6	
17	187	6027	-0	0	0	-0	10	688.7	96.8	0.0	0.0	785.6	6	
1A	373	1523	-10	0	0	0	-0	174.0	3.3	3.2	0.0	177.3	6	
1E	373	5745	-10	0	0	0	-0	656.6	3.3	3.2	0.0	659.9	6	
1I	373	2827	-10	0	0	-0	-0	323.0	1.1	3.2	0.0	324.1	6	
1M	373	4442	-10	0	0	-0	-0	507.6	1.1	3.2	0.0	508.7	6	
2	373	6071	-26	-1	0	-0	-0	693.8	3.1	8.6	0.0	696.9	6	
3	373	4440	-16	-1	0	-0	-0	507.4	1.9	5.4	0.0	509.3	1	
4	373	3747	-16	-1	0	-0	-0	428.2	1.6	5.4	0.0	429.8	1	
5	373	5529	-16	-1	0	-0	-0	631.9	2.0	5.4	0.0	633.9	1	
6	373	5919	-17	-0	0	-0	-0	676.5	3.6	5.5	0.0	680.0	6	
7	373	4753	-11	-0	0	-0	-0	543.2	2.1	3.4	0.0	545.3	6	
8	373	3775	-11	-0	0	-0	-0	431.4	1.7	3.4	0.0	433.1	6	

9	373	5969	-11	-0	0	-0	-0	682.2	2.1	3.4	0.0	684.3	1
10	373	6313	-26	-1	0	-0	-0	721.5	3.3	8.6	0.0	724.8	6
11	373	4630	-16	-1	0	-0	-0	529.1	2.1	5.4	0.0	531.2	1
12	373	3887	-16	-1	0	-0	-0	444.2	1.7	5.4	0.0	446.0	1
13	373	5722	-16	-1	0	-0	-0	653.9	2.1	5.4	0.0	656.1	1
14	373	5898	-18	-0	0	-0	-0	674.1	3.8	5.8	0.0	677.8	6
15	373	4776	-11	-0	0	-0	-0	545.8	2.2	3.4	0.0	548.0	6
16	373	3744	-11	-0	0	-0	-0	427.9	1.8	3.4	0.0	429.6	6
17	373	6031	-11	-0	0	-0	-0	689.3	2.2	3.4	0.0	691.4	1

ASTA NUM. 20 NI 26 NF 7 Lungh. 316.9 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.8859	-0.9715	--	--	5.4977	0.6403 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6166	9	-0	0	-0	0	704.6	0.9	2.8	0.0	705.5	6	
1E	0	-1674	9	-0	0	-0	0	191.4	0.9	2.8	0.0	192.2	6	
1I	0	-4726	9	-0	0	-0	0	540.1	0.9	2.8	0.0	541.0	6	
1M	0	-3114	9	-0	0	-0	0	355.9	0.9	2.8	0.0	356.7	6	
2	0	-6367	3	1	0	-0	0	727.7	3.5	0.9	0.0	731.2	6	
3	0	-4673	2	0	0	-0	0	534.1	2.1	0.6	0.0	536.2	6	
4	0	-3926	2	0	0	-0	0	448.7	2.3	0.6	0.0	451.0	6	
5	0	-5843	2	0	0	-0	0	667.8	2.2	0.6	0.0	670.0	1	
6	0	-6338	10	0	0	-0	0	724.3	2.5	3.2	0.0	726.9	1	
7	0	-5093	6	0	0	-0	0	582.1	1.6	2.0	0.0	583.6	1	
8	0	-4040	6	0	0	-0	0	461.7	1.4	2.0	0.0	463.2	1	
9	0	-6400	6	0	0	-0	0	731.4	1.7	2.0	0.0	733.1	1	
10	0	-6628	3	1	0	-0	0	757.5	3.7	0.9	0.0	761.2	6	
11	0	-4878	2	0	0	-0	0	557.5	2.3	0.6	0.0	559.7	1	
12	0	-4078	2	0	0	-0	0	466.1	2.4	0.6	0.0	468.5	6	
13	0	-6051	2	0	0	-0	0	691.5	2.3	0.6	0.0	693.9	1	
14	0	-6316	11	0	0	-0	0	721.8	2.5	3.5	0.0	724.3	1	
15	0	-5118	6	0	0	-0	0	584.9	1.6	2.0	0.0	586.5	1	
16	0	-4007	6	0	0	-0	0	457.9	1.4	2.0	0.0	459.4	1	
17	0	-6467	6	0	0	-0	0	739.1	1.7	2.0	0.0	740.8	1	
1A	158	-6159	-0	-0	0	-0	7	703.9	67.9	0.0	0.0	771.8	6	
1E	158	-1668	-0	-0	0	-0	7	190.6	67.9	0.0	0.0	258.5	6	
1I	158	-4720	-0	-0	0	-0	7	539.4	68.1	0.0	0.0	607.5	6	
1M	158	-3107	-0	-0	0	-0	7	355.1	68.1	0.0	0.0	423.3	6	
2	158	-6346	-0	-0	0	-1	2	725.2	27.3	0.0	0.0	752.5	6	
3	158	-4660	-0	-0	0	-0	2	532.5	17.1	0.0	0.0	549.6	6	
4	158	-3913	-0	-0	0	-0	2	447.2	17.0	0.0	0.0	464.2	6	
5	158	-5830	-0	-0	0	-1	2	666.3	17.1	0.0	0.0	683.4	6	
6	158	-6326	-0	-0	0	-0	8	722.9	78.4	0.0	0.0	801.3	6	
7	158	-5086	0	-0	0	-0	5	581.2	48.9	0.0	0.0	630.1	6	
8	158	-4032	-0	-0	0	-0	5	460.8	48.9	0.0	0.0	509.7	6	
9	158	-6393	-0	-0	0	-0	5	730.6	49.0	0.0	0.0	779.6	6	
10	158	-6607	-0	-0	0	-1	3	755.0	27.4	0.0	0.0	782.4	6	
11	158	-4865	-0	-0	0	-0	2	555.9	17.1	0.0	0.0	573.1	6	
12	158	-4064	-0	-0	0	-0	2	464.5	17.1	0.0	0.0	481.6	6	
13	158	-6038	-0	-0	0	-1	2	690.0	17.2	0.0	0.0	707.2	6	
14	158	-6303	-0	-0	0	-0	9	720.3	85.0	0.0	0.0	805.4	6	
15	158	-5111	0	-0	0	-0	5	584.1	48.9	0.0	0.0	633.0	6	
16	158	-3999	-0	-0	0	-0	5	457.1	48.9	0.0	0.0	505.9	6	
17	158	-6460	-0	-0	0	-0	5	738.2	49.0	0.0	0.0	787.2	6	
1A	317	-6153	-9	-0	0	0	-0	703.2	1.0	2.9	0.0	704.2	6	
1E	317	-1661	-9	-0	0	0	-0	189.9	1.0	2.9	0.0	190.9	6	
1I	317	-4713	-9	-0	0	0	-0	538.7	0.6	2.9	0.0	539.2	6	
1M	317	-3101	-9	-0	0	0	-0	354.4	0.6	2.9	0.0	355.0	6	
2	317	-6324	-3	-1	0	0	0	722.7	0.5	1.0	0.0	723.3	1	
3	317	-4646	-2	-1	0	0	0	531.0	0.2	0.6	0.0	531.2	1	
4	317	-3900	-2	-1	0	0	-0	445.7	0.6	0.6	0.0	446.3	1	
5	317	-5817	-2	-1	0	-0	0	664.8	0.1	0.6	0.0	664.9	1	
6	317	-6313	-10	-0	0	0	0	721.5	0.5	3.2	0.0	721.9	1	
7	317	-5078	-6	-0	0	0	0	580.3	0.2	2.0	0.0	580.5	1	
8	317	-4024	-6	-0	0	0	-0	459.9	0.6	2.0	0.0	460.5	1	
9	317	-6385	-6	-0	0	-0	0	729.7	0.3	2.0	0.0	730.0	1	
10	317	-6585	-3	-1	0	0	0	752.6	0.7	1.0	0.0	753.2	1	
11	317	-4851	-2	-1	0	0	0	554.4	0.3	0.6	0.0	554.7	1	
12	317	-4051	-2	-1	0	0	-0	463.0	0.6	0.6	0.0	463.6	1	
13	317	-6024	-2	-1	0	-0	0	688.5	0.1	0.6	0.0	688.6	6	
14	317	-6290	-11	-0	0	0	-0	718.9	0.4	3.5	0.0	719.3	1	
15	317	-5103	-6	-0	0	0	0	583.2	0.2	2.0	0.0	583.4	1	
16	317	-3992	-6	-0	0	0	-0	456.2	0.6	2.0	0.0	456.9	1	
17	317	-6452	-6	-0	0	-0	-0	737.4	0.2	2.0	0.0	737.6	1	

ASTA NUM. 21 NI 42 NF 34 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.7354	-1.9339	--	--	4.4058	-5.2635 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5722	-5	59	0	55	8	539.8	475.9	15.9	0.0	1015.7	1	
1E	0	-2162	-5	59	0	55	8	203.9	475.9	15.9	0.0	679.8	1	
1I	0	-5056	-9	88	0	79	12	477.0	682.6	23.8	0.0	1159.5	1	
1M	0	-2828	-9	88	0	79	12	266.8	682.6	23.8	0.0	949.4	1	
2	0	-6492	-15	70	0	61	9	612.5	526.7	18.8	0.0	1139.2	1	
3	0	-2803	-7	27	0	23	4	264.4	197.6	7.4	0.0	462.1	1	
4	0	-3476	-10	45	0	40	6	327.9	344.3	12.2	0.0	672.2	1	
5	0	-786	-3	1	0	-1	0	74.1	12.3	0.9	0.0	86.4	1	
6	0	-6783	-8	73	0	63	10	639.9	545.4	19.6	0.0	1185.3	1	
7	0	-2351	-1	21	0	16	3	221.8	140.9	5.6	0.0	362.6	1	
8	0	-3522	-5	47	0	41	6	332.3	355.5	12.6	0.0	687.7	1	
9	0	-142	3	-8	0	-11	-1	13.3	90.7	2.2	0.0	104.1	1	
10	0	-7778	-18	86	0	75	12	733.8	654.2	23.3	0.0	1387.9	1	
11	0	-3661	-9	38	0	32	5	345.4	281.2	10.3	0.0	626.6	1	
12	0	-4291	-11	55	0	49	7	404.8	423.8	14.9	0.0	828.6	1	
13	0	-1674	-5	12	0	8	1	157.9	72.9	3.3	0.0	230.8	1	
14	0	-6770	-8	72	0	63	10	638.7	544.4	19.6	0.0	1183.1	1	
15	0	-2392	-1	21	0	17	3	225.7	143.7	5.7	0.0	369.4	1	
16	0	-3531	-5	47	0	41	6	333.1	354.5	12.6	0.0	687.6	1	
17	0	-279	3	-7	0	-10	-1	26.3	81.9	1.9	0.0	108.3	1	
1A	88	-5716	-9	59	0	1	2	539.3	21.0	15.9	0.0	560.2	6	
1E	88	-2156	-9	59	0	1	2	203.4	21.0	15.9	0.0	224.3	6	
1I	88	-5050	-13	88	0	0	2	476.4	17.3	23.8	0.0	493.7	6	
1M	88	-2822	-13	88	0	0	2	266.2	17.3	23.8	0.0	283.5	6	
2	88	-6477	-11	71	0	-2	-2	611.0	22.4	19.3	0.0	633.3	6	
3	88	-2794	-4	28	0	-2	-1	263.5	19.0	7.6	0.0	282.5	1	
4	88	-3467	-7	46	0	-0	-1	327.0	11.6	12.4	0.0	338.6	6	
5	88	-776	-0	2	0	-3	-2	73.2	29.0	0.6	0.0	102.2	1	
6	88	-6773	-11	73	0	-1	1	638.9	15.3	19.7	0.0	654.2	1	
7	88	-2345	-3	21	0	-2	1	221.2	19.5	5.6	0.0	240.7	1	
8	88	-3516	-7	47	0	-0	1	331.7	8.7	12.7	0.0	340.4	6	
9	88	-135	1	-8	0	-3	1	12.7	29.8	2.2	0.0	42.5	1	
10	88	-7763	-13	88	0	-1	-2	732.4	21.2	23.7	0.0	753.6	6	
11	88	-3652	-6	39	0	-2	-1	344.5	17.8	10.5	0.0	362.3	1	
12	88	-4282	-8	56	0	-0	-1	404.0	10.9	15.2	0.0	414.9	6	
13	88	-1665	-2	13	0	-3	-2	157.0	27.9	3.5	0.0	185.0	1	
14	88	-6759	-11	73	0	-1	1	637.6	16.4	19.7	0.0	654.1	6	
15	88	-2386	-3	21	0	-2	1	225.0	20.0	5.8	0.0	245.0	1	
16	88	-3525	-7	47	0	-0	1	332.5	8.7	12.7	0.0	341.2	6	
17	88	-273	1	-7	0	-4	0	25.7	30.4	1.8	0.0	56.1	1	
1A	177	-5710	-13	59	0	-52	-8	538.7	450.0	15.9	0.0	988.7	1	
1E	177	-2150	-13	59	0	-52	-8	202.8	450.0	15.9	0.0	652.8	1	
1I	177	-5044	-17	88	0	-78	-11	475.8	673.7	23.8	0.0	1149.6	1	
1M	177	-2816	-17	88	0	-78	-11	265.7	673.7	23.8	0.0	939.4	1	
2	177	-6461	-6	73	0	-65	-9	609.5	563.1	19.7	0.0	1172.6	1	
3	177	-2784	-1	29	0	-27	-4	262.6	234.5	7.9	0.0	497.1	1	
4	177	-3457	-4	47	0	-41	-6	326.1	357.9	12.7	0.0	684.0	1	
5	177	-767	3	3	0	-5	-1	72.3	44.7	0.8	0.0	117.0	1	
6	177	-6762	-14	73	0	-66	-10	637.9	570.3	19.8	0.0	1208.3	1	
7	177	-2338	-5	21	0	-21	-3	220.6	178.7	5.7	0.0	399.3	1	
8	177	-3509	-9	47	0	-42	-6	331.0	361.7	12.7	0.0	692.7	1	
9	177	-129	-1	-8	0	3	1	12.1	30.8	2.1	0.0	43.0	1	
10	177	-7748	-8	89	0	-79	-12	730.9	686.3	24.1	0.0	1417.2	1	
11	177	-3642	-3	40	0	-37	-5	343.6	315.7	10.8	0.0	659.3	1	
12	177	-4273	-5	57	0	-50	-7	403.1	434.8	15.4	0.0	837.9	1	
13	177	-1655	1	14	0	-15	-2	156.1	127.7	3.8	0.0	283.8	1	
14	177	-6748	-14	73	0	-66	-10	636.6	570.1	19.8	0.0	1206.7	1	
15	177	-2379	-5	22	0	-21	-3	224.4	182.7	5.8	0.0	407.1	1	
16	177	-3518	-9	47	0	-42	-6	331.9	361.6	12.7	0.0	693.5	1	
17	177	-266	-1	-6	0	2	1	25.1	20.4	1.7	0.0	45.5	1	

ASTA NUM. 22 NI 30 NF 43 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.7354	1.9339	--	--	4.4058	14.0750 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	2780	-5	61	0	141	8	262.3	1177.9	16.6	0.0	1440.1	1	
1E	0	6396	-5	61	0	141	8	603.4	1177.9	16.6	0.0	1781.3	1	
1I	0	3290	-9	74	0	177	11	310.4	1490.5	20.1	0.0	1800.9	1	
1M	0	5886	-9	74	0	177	11	555.3	1490.5	20.1	0.0	2045.8	1	
2	0	7519	6	68	0	178	8	709.3	1487.7	18.3	0.0	2197.0	1	
3	0	3677	6	25	0	67	3	346.9	555.7	6.8	0.0	902.6	1	
4	0	5037	4	43	0	114	5	475.2	951.7	11.7	0.0	1426.9	1	

5	0	2135	10	-3	0	-7	-1	201.4	58.2	2.8	0.0	259.6	1
6	0	7732	-2	73	0	187	9	729.4	1561.9	19.7	0.0	2291.3	1
7	0	3306	2	19	0	49	2	311.9	407.0	5.3	0.0	718.9	1
8	0	5265	-1	46	0	119	6	496.7	992.5	12.5	0.0	1489.2	1
9	0	1619	7	-12	0	-33	-2	152.7	272.4	3.1	0.0	425.2	1
10	0	8919	4	85	0	223	11	841.4	1857.8	22.9	0.0	2699.3	1
11	0	4606	5	36	0	96	5	434.5	798.2	9.8	0.0	1232.7	1
12	0	5900	2	54	0	142	7	556.6	1183.1	14.6	0.0	1739.7	1
13	0	3078	9	9	0	23	1	290.4	189.8	2.3	0.0	480.2	1
14	0	7746	-2	73	0	188	9	730.8	1565.4	19.7	0.0	2296.1	1
15	0	3369	2	20	0	50	2	317.8	419.6	5.4	0.0	737.5	1
16	0	5257	-1	46	0	119	6	495.9	994.3	12.5	0.0	1490.2	1
17	0	1751	7	-10	0	-29	-2	165.2	240.9	2.7	0.0	406.1	1
1A	88	2786	-9	61	0	78	2	262.8	645.9	16.6	0.0	908.7	1
1E	88	6402	-9	61	0	78	2	604.0	645.9	16.6	0.0	1249.9	1
1I	88	3296	-13	74	0	126	2	310.9	1036.0	20.1	0.0	1347.0	1
1M	88	5892	-13	74	0	126	2	555.9	1036.0	20.1	0.0	1591.9	1
2	88	7521	-10	69	0	118	7	709.6	986.5	18.7	0.0	1696.0	1
3	88	3679	-4	26	0	44	4	347.0	372.9	7.1	0.0	719.9	1
4	88	5038	-6	44	0	75	4	475.3	631.3	11.9	0.0	1106.7	1
5	88	2137	0	-2	0	-5	4	201.6	52.1	0.5	0.0	253.7	1
6	88	7739	-10	73	0	123	3	730.1	1016.7	19.8	0.0	1746.8	1
7	88	3311	-3	20	0	31	2	312.3	264.8	5.3	0.0	577.1	1
8	88	5269	-6	46	0	78	2	497.1	646.7	12.5	0.0	1143.8	1
9	88	1624	2	-11	0	-22	2	153.2	190.3	3.1	0.0	343.4	1
10	88	8922	-12	86	0	147	7	841.7	1226.7	23.3	0.0	2068.3	1
11	88	4607	-5	37	0	63	4	434.7	530.2	10.1	0.0	964.9	1
12	88	5901	-8	55	0	94	4	556.7	781.6	14.8	0.0	1338.3	1
13	88	3080	-1	10	0	15	4	290.5	133.8	2.6	0.0	424.3	1
14	88	7754	-10	73	0	123	4	731.5	1019.4	19.8	0.0	1750.9	1
15	88	3374	-3	20	0	32	2	318.3	273.0	5.5	0.0	591.2	1
16	88	5261	-6	46	0	78	2	496.4	648.0	12.5	0.0	1144.3	1
17	88	1756	2	-10	0	-20	2	165.6	169.9	2.7	0.0	335.5	1
1A	177	2792	-13	61	0	15	-8	263.4	150.6	16.6	0.0	414.0	1
1E	177	6408	-13	61	0	15	-8	604.5	150.6	16.6	0.0	755.2	1
1I	177	3302	-17	74	0	74	-11	311.5	638.5	20.1	0.0	950.0	1
1M	177	5898	-17	74	0	74	-11	556.4	638.5	20.1	0.0	1194.9	1
2	177	7524	-25	71	0	56	-9	709.8	485.2	19.1	0.0	1195.1	1
3	177	3680	-13	27	0	20	-3	347.2	177.2	7.3	0.0	524.4	1
4	177	5040	-16	45	0	36	-6	475.5	311.9	12.2	0.0	787.4	1
5	177	2138	-9	-1	0	-4	0	201.7	30.1	2.5	0.0	231.8	1
6	177	7746	-18	73	0	58	-9	730.8	502.1	19.9	0.0	1232.8	1
7	177	3315	-8	20	0	14	-2	312.7	122.1	5.4	0.0	434.8	1
8	177	5274	-11	47	0	37	-6	497.5	320.7	12.6	0.0	818.2	1
9	177	1628	-3	-11	0	-13	1	153.6	107.5	3.0	0.0	261.1	1
10	177	8924	-28	88	0	70	-11	841.9	608.5	23.7	0.0	1450.4	1
11	177	4609	-15	38	0	30	-5	434.8	257.9	10.3	0.0	692.7	1
12	177	5903	-18	56	0	45	-7	556.9	389.0	15.1	0.0	945.9	1
13	177	3081	-11	10	0	6	-1	290.7	52.4	3.0	0.0	343.1	1
14	177	7762	-19	74	0	58	-9	732.3	503.0	19.9	0.0	1235.3	1
15	177	3378	-8	20	0	14	-3	318.7	126.3	5.5	0.0	445.0	1
16	177	5266	-11	47	0	37	-6	496.8	321.6	12.6	0.0	818.4	1
17	177	1760	-3	-10	0	-11	1	166.0	97.0	2.6	0.0	263.0	1

ASTA NUM. 23 NI 45 NF 33 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1327	0.2832	--	--	4.4058	5.8217 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-217	5	36	0	59	8	20.5	511.0	9.7	0.0	531.5	1	
1E	0	734	5	36	0	59	8	69.2	511.0	9.7	0.0	580.2	1	
1I	0	107	4	53	0	91	13	10.1	788.9	14.4	0.0	799.1	1	
1M	0	409	4	53	0	91	13	38.6	788.9	14.4	0.0	827.6	1	
2	0	731	11	31	0	84	12	69.0	726.3	8.3	0.0	795.3	1	
3	0	1211	9	4	0	37	5	114.2	319.0	2.3	0.0	433.3	1	
4	0	700	6	22	0	53	8	66.0	458.4	5.9	0.0	524.4	1	
5	0	2589	12	-21	0	11	1	244.2	97.7	5.7	0.0	341.9	1	
6	0	341	9	40	0	75	11	32.1	646.8	10.8	0.0	678.9	1	
7	0	1386	9	2	0	23	3	130.8	199.7	2.4	0.0	330.5	1	
8	0	578	5	28	0	47	7	54.5	406.7	7.5	0.0	461.2	1	
9	0	2931	12	-26	0	-5	-1	276.5	45.3	7.1	0.0	321.8	1	
10	0	362	10	44	0	100	14	34.1	864.1	11.9	0.0	898.2	1	
11	0	980	8	12	0	47	7	92.5	409.7	3.4	0.0	502.1	1	
12	0	456	5	30	0	63	9	43.1	544.6	8.2	0.0	587.7	1	
13	0	2344	11	-13	0	22	3	221.1	190.4	3.4	0.0	411.6	1	
14	0	338	10	40	0	75	11	31.9	648.4	10.9	0.0	680.4	1	
15	0	1387	9	2	0	24	3	130.8	204.7	2.4	0.0	335.5	1	
16	0	558	5	28	0	47	7	52.6	407.5	7.5	0.0	460.1	1	
17	0	2909	12	-26	0	-4	-1	274.4	32.9	6.9	0.0	307.3	1	
1A	88	-211	1	36	0	28	12	19.9	261.2	9.7	0.0	281.1	1	
1E	88	740	1	36	0	28	12	69.8	261.2	9.7	0.0	331.0	1	
1I	88	114	0	53	0	44	16	10.7	411.0	14.4	0.0	421.7	1	
1M	88	416	0	53	0	44	16	39.2	411.0	14.4	0.0	450.2	1	
2	88	739	4	45	0	51	18	69.7	470.1	12.2	0.0	539.8	1	
3	88	1216	4	13	0	30	11	114.7	275.5	3.5	0.0	390.3	1	
4	88	704	1	31	0	30	11	66.5	276.1	8.3	0.0	342.6	1	
5	88	2594	8	-12	0	26	10	244.7	245.3	3.3	0.0	489.9	1	
6	88	349	3	44	0	38	16	32.9	359.2	11.8	0.0	392.1	1	
7	88	1392	5	4	0	21	9	131.3	198.8	1.4	0.0	330.1	1	
8	88	583	1	30	0	22	9	55.0	205.8	8.1	0.0	260.8	1	
9	88	2937	9	-24	0	17	8	277.0	166.0	6.5	0.0	443.0	1	
10	88	369	3	58	0	55	20	34.8	510.7	15.7	0.0	545.6	1	
11	88	985	4	21	0	33	12	92.9	303.3	5.8	0.0	396.2	1	
12	88	461	1	39	0	32	12	43.5	301.5	10.6	0.0	345.0	1	
13	88	2349	7	-4	0	29	11	221.6	274.1	1.9	0.0	495.7	1	
14	88	347	3	44	0	38	16	32.8	360.6	11.8	0.0	393.4	1	
15	88	1392	5	4	0	21	9	131.3	201.5	1.4	0.0	332.8	1	
16	88	563	1	30	0	22	9	53.1	206.2	8.1	0.0	259.3	1	
17	88	2915	9	-23	0	18	9	275.0	172.4	6.3	0.0	447.3	1	
1A	177	-204	-3	36	0	-4	12	19.3	108.0	9.7	0.0	127.2	6	
1E	177	746	-3	36	0	-4	12	70.4	108.0	9.7	0.0	178.4	6	
1I	177	120	-4	53	0	-3	16	11.3	137.2	14.4	0.0	148.5	6	
1M	177	422	-4	53	0	-3	16	39.8	137.2	14.4	0.0	177.0	6	
2	177	747	-3	59	0	4	19	70.4	165.7	16.0	0.0	236.2	6	
3	177	1221	-0	22	0	14	13	115.2	156.2	5.9	0.0	271.4	1	
4	177	709	-3	40	0	-1	10	66.9	85.2	10.7	0.0	152.2	6	
5	177	2598	3	-4	0	33	15	245.1	317.1	0.9	0.0	562.2	1	
6	177	358	-3	47	0	-2	16	33.7	140.3	12.8	0.0	174.0	6	
7	177	1397	1	6	0	17	12	131.8	172.2	1.6	0.0	304.0	1	
8	177	588	-3	32	0	-6	8	55.5	85.7	8.7	0.0	141.2	6	
9	177	2942	5	-22	0	38	14	277.5	351.5	5.9	0.0	629.0	1	
10	177	377	-4	72	0	-3	19	35.6	166.9	19.6	0.0	202.5	6	
11	177	990	-1	30	0	10	13	93.4	139.5	8.2	0.0	232.9	6	
12	177	466	-4	48	0	-6	10	44.0	102.9	12.9	0.0	146.8	6	
13	177	2354	3	5	0	29	15	222.1	281.9	1.4	0.0	504.0	1	
14	177	357	-3	47	0	-2	16	33.6	140.8	12.8	0.0	174.4	6	
15	177	1397	2	6	0	17	12	131.8	172.5	1.7	0.0	304.3	1	
16	177	568	-3	32	0	-6	8	53.6	86.0	8.7	0.0	139.6	6	
17	177	2920	5	-21	0	38	15	275.5	351.8	5.7	0.0	627.3	1	

ASTA NUM. 24 NI 29 NF 46 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1327	0.2832	--	--	4.4058	5.8217 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-1098	12	-14	0	-67	-11	103.6	586.1	3.8	0.0	689.7	1	
1E	0	27	12	-14	0	-67	-11	2.6	586.1	3.8	0.0	588.7	1	
1I	0	-880	3	0	0	-43	-1	83.0	352.2	0.9	0.0	435.2	1	
1M	0	-192	3	0	0	-43	-1	18.1	352.2	0.9	0.0	370.3	1	
2	0	-1272	34	-27	0	-170	-34	120.0	1495.4	9.2	0.0	1615.4	1	
3	0	-1622	23	-30	0	-141	-22	153.0	1220.1	8.2	0.0	1373.1	1	
4	0	-980	19	-8	0	-81	-19	92.5	718.9	5.1	0.0	811.3	1	
5	0	-3116	25	-52	0	-196	-24	294.0	1682.4	14.1	0.0	1976.3	1	
6	0	-800	27	-40	0	-149	-28	75.5	1308.6	10.9	0.0	1384.1	1	
7	0	-1790	20	-46	0	-148	-20	168.9	1273.1	12.5	0.0	1442.0	1	
8	0	-806	15	-16	0	-67	-15	76.1	598.0	4.3	0.0	674.1	1	
9	0	-3465	22	-70	0	-211	-21	326.9	1792.0	19.0	0.0	2118.8	1	
10	0	-894	35	-24	0	-163	-36	84.3	1448.4	9.4	0.0	1532.7	1	
11	0	-1389	24	-29	0	-138	-24	131.0	1200.3	7.8	0.0	1331.4	1	
12	0	-732	20	-6	0	-77	-20	69.0	689.2	5.3	0.0	758.3	1	
13	0	-2870	26	-50	0	-194	-26	270.8	1667.8	13.6	0.0	1938.6	1	
14	0	-803	28	-40	0	-150	-28	75.8	1311.2	10.9	0.0	1387.0	1	
15	0	-1793	20	-47	0	-149	-20	169.2	1284.4	12.6	0.0	1453.6	1	
16	0	-786	15	-16	0	-68	-15	74.2	598.7	4.3	0.0	672.9	1	
17	0	-3450	23	-71	0	-214	-22	325.5	1818.2	19.3	0.0	2143.7	1	
1A	88	-1092	8	-14	0	-62	-2	103.0	516.6	3.8	0.0	619.6	1	
1E	88	33	8	-14	0	-62	-2	3.1	516.6	3.8	0.0	519.7	1	
1I	88	-873	-0	0	0	-65	1	82.4	536.1	0.1	0.0	618.5	1	
1M	88	-185	-0	0	0	-65	1	17.5	536.1	0.1	0.0	553.6	1	
2	88	-1264	27	-42	0	-139	-7	119.2	1164.1	11.2	0.0	1283.4	1	
3	88	-1617	18	-39	0	-110	-4	152.5	912.2	10.6	0.0	1064.7	1	
4	88	-975	15	-17	0	-70	-4	92.0	582.8	4.6	0.0	674.8	1	
5	88	-3111	21	-61	0	-146	-4	293.5	1211.2	16.5	0.0	1504.7	1	
6	88	-792	22	-44	0	-112	-6	74.7	939.5	11.8	0.0	1014.2	1	
7	88	-1785	16	-48	0	-106	-4	168.4	882.2	13.1	0.0	1050.6	1	
8	88	-801	11	-18	0	-52	-3	75.6	439.5	4.9	0.0	515.1	1	
9	88	-3460	19	-73	0	-147	-3	326.4	1217.8	19.6	0.0	1544.2	1	
10	88	-886	28	-38	0	-136	-8	83.6	1139.7	10.3	0.0	1223.3	1	
11	88	-1384	19	-38	0	-108	-5	130.6	903.6	10.1	0.0	1034.2	1	

12	88	-727	15	-15	0	-68	-4	68.6	567.3	4.1	0.0	635.9	1
13	88	-2866	22	-59	0	-145	-4	270.3	1206.1	16.0	0.0	1476.4	1
14	88	-794	22	-44	0	-112	-6	74.9	941.0	11.8	0.0	1015.9	1
15	88	-1788	16	-49	0	-107	-4	168.7	890.1	13.2	0.0	1058.7	1
16	88	-781	11	-18	0	-52	-3	73.7	440.1	4.9	0.0	513.7	1
17	88	-3445	19	-74	0	-149	-3	325.0	1236.2	19.9	0.0	1561.2	1
1A	177	-1086	4	-14	0	-57	3	102.4	475.5	3.8	0.0	577.9	1
1E	177	40	4	-14	0	-57	3	3.7	475.5	3.8	0.0	479.2	1
1I	177	-867	-4	0	0	-88	-2	81.8	722.9	1.2	0.0	804.7	1
1M	177	-179	-4	0	0	-88	-2	16.9	722.9	1.2	0.0	739.8	1
2	177	-1256	20	-56	0	-96	14	118.5	831.1	15.1	0.0	949.6	1
3	177	-1612	14	-48	0	-71	10	152.1	613.0	13.0	0.0	765.1	1
4	177	-971	10	-26	0	-51	7	91.6	437.6	7.0	0.0	529.2	1
5	177	-3106	17	-70	0	-88	13	293.0	764.4	18.9	0.0	1057.4	1
6	177	-783	16	-47	0	-72	10	73.9	620.8	12.8	0.0	694.7	1
7	177	-1780	12	-51	0	-62	9	167.9	538.6	13.7	0.0	706.6	1
8	177	-796	8	-20	0	-35	5	75.1	304.4	5.5	0.0	379.5	1
9	177	-3454	15	-75	0	-82	12	325.8	708.4	20.2	0.0	1034.3	1
10	177	-878	21	-52	0	-96	14	82.9	828.7	14.2	0.0	911.6	1
11	177	-1379	15	-46	0	-71	10	130.1	615.7	12.5	0.0	745.8	1
12	177	-722	11	-24	0	-50	7	68.1	435.9	6.4	0.0	504.0	1
13	177	-2861	17	-68	0	-89	13	269.9	769.0	18.4	0.0	1038.9	1
14	177	-785	15	-47	0	-72	10	74.0	622.4	12.8	0.0	696.4	1
15	177	-1783	13	-51	0	-63	9	168.2	543.4	13.8	0.0	711.7	1
16	177	-776	8	-20	0	-35	5	73.2	304.7	5.5	0.0	377.9	1
17	177	-3440	16	-76	0	-83	12	324.5	720.0	20.5	0.0	1044.5	1

ASTA NUM. 25 NI 35 NF 32 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.7354	1.9339	--	--	4.4058	14.0750 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2083	8	-25	0	-17	-3	196.5	143.9	6.8	0.0	340.4	1	
1E	0	5643	8	-25	0	-17	-3	532.4	143.9	6.8	0.0	676.3	1	
1I	0	2750	3	4	0	7	1	259.4	62.8	1.2	0.0	322.2	1	
1M	0	4976	3	4	0	7	1	469.5	62.8	1.2	0.0	532.2	1	
2	0	7412	29	-86	0	-75	-12	699.2	650.9	23.3	0.0	1350.2	1	
3	0	5127	20	-66	0	-59	-9	483.7	506.6	17.8	0.0	990.3	1	
4	0	3351	16	-44	0	-38	-6	316.1	327.2	11.8	0.0	643.3	1	
5	0	5775	23	-85	0	-77	-12	544.8	668.7	23.1	0.0	1213.5	1	
6	0	6669	19	-72	0	-61	-9	629.2	528.6	19.4	0.0	1157.8	1	
7	0	4998	15	-64	0	-57	-9	471.5	490.1	17.4	0.0	961.6	1	
8	0	2743	10	-34	0	-29	-4	258.8	249.1	9.3	0.0	507.9	1	
9	0	5725	18	-86	0	-78	-12	540.1	671.8	23.3	0.0	1211.9	1	
10	0	7695	29	-85	0	-74	-11	725.9	640.2	23.1	0.0	1366.2	1	
11	0	5356	20	-66	0	-58	-9	505.3	503.7	17.8	0.0	1009.0	1	
12	0	3537	16	-43	0	-37	-6	333.7	320.2	11.7	0.0	653.9	1	
13	0	6039	23	-86	0	-77	-12	569.7	667.5	23.2	0.0	1237.2	1	
14	0	6682	19	-72	0	-61	-9	630.4	529.5	19.4	0.0	1159.9	1	
15	0	5058	15	-65	0	-57	-9	477.2	494.7	17.5	0.0	971.8	1	
16	0	2767	10	-34	0	-29	-4	261.0	249.6	9.3	0.0	510.6	1	
17	0	5887	18	-87	0	-79	-12	555.4	682.3	23.6	0.0	1237.7	1	
1A	88	2089	4	-25	0	4	2	197.1	38.8	6.8	0.0	235.9	1	
1E	88	5650	4	-25	0	4	2	533.0	38.8	6.8	0.0	571.7	1	
1I	88	2756	-1	4	0	3	2	260.0	30.3	1.2	0.0	290.3	1	
1M	88	4983	-1	4	0	3	2	470.1	30.3	1.2	0.0	500.3	1	
2	88	7414	13	-88	0	2	7	699.5	62.2	23.7	0.0	761.7	6	
3	88	5128	10	-67	0	0	4	483.8	35.1	18.1	0.0	518.9	6	
4	88	3353	7	-45	0	1	4	316.3	39.4	12.0	0.0	355.7	6	
5	88	5776	13	-86	0	-1	4	544.9	36.8	23.3	0.0	581.7	6	
6	88	6676	11	-72	0	3	4	629.8	37.7	19.5	0.0	667.5	6	
7	88	5002	10	-64	0	0	2	471.9	17.8	17.4	0.0	489.7	6	
8	88	2747	5	-35	0	2	2	259.2	23.9	9.4	0.0	283.1	6	
9	88	5729	13	-86	0	-1	2	540.5	19.1	23.3	0.0	559.5	6	
10	88	7697	13	-87	0	2	7	726.2	64.9	23.5	0.0	791.1	6	
11	88	5357	10	-67	0	1	4	505.4	36.9	18.1	0.0	542.3	6	
12	88	3539	7	-44	0	2	4	333.8	41.2	11.9	0.0	375.0	6	
13	88	6040	13	-87	0	-1	4	569.9	35.8	23.4	0.0	605.7	6	
14	88	6690	11	-72	0	3	4	631.1	38.8	19.5	0.0	670.0	6	
15	88	5062	10	-65	0	0	2	477.5	17.6	17.6	0.0	495.1	6	
16	88	2772	5	-35	0	2	2	261.5	23.8	9.4	0.0	285.2	6	
17	88	5891	13	-88	0	-1	2	555.8	19.0	23.7	0.0	574.8	6	
1A	177	2096	-0	-25	0	25	3	197.7	211.1	6.8	0.0	408.9	1	
1E	177	5656	-0	-25	0	25	3	533.6	211.1	6.8	0.0	744.7	1	
1I	177	2763	-4	4	0	-1	-0	260.6	12.6	1.2	0.0	273.2	1	
1M	177	4989	-4	4	0	-1	-0	470.7	12.6	1.2	0.0	483.3	1	
2	177	7417	-3	-89	0	80	12	699.7	689.4	24.1	0.0	1389.1	1	
3	177	5130	0	-68	0	60	9	484.0	515.0	18.3	0.0	999.0	1	
4	177	3354	-3	-45	0	41	6	316.4	354.0	12.3	0.0	670.4	1	
5	177	5777	3	-87	0	75	11	545.0	650.5	23.6	0.0	1195.5	1	
6	177	6683	3	-72	0	67	10	630.5	574.7	19.6	0.0	1205.2	1	
7	177	5007	5	-65	0	57	8	472.4	495.0	17.5	0.0	967.3	1	
8	177	2751	0	-35	0	33	5	259.5	280.4	9.4	0.0	539.9	1	
9	177	5733	8	-86	0	75	11	540.8	646.9	23.4	0.0	1187.7	1	
10	177	7700	-3	-88	0	80	12	726.4	690.7	23.9	0.0	1417.1	1	
11	177	5359	0	-68	0	60	9	505.6	520.0	18.4	0.0	1025.6	1	
12	177	3540	-3	-45	0	41	6	334.0	354.8	12.2	0.0	688.8	1	
13	177	6042	3	-88	0	76	11	570.0	657.2	23.7	0.0	1227.2	1	
14	177	6698	2	-73	0	67	10	631.9	574.9	19.6	0.0	1206.8	1	
15	177	5066	5	-65	0	58	8	477.9	499.0	17.6	0.0	976.9	1	
16	177	2776	0	-35	0	32	5	261.9	280.3	9.4	0.0	542.2	1	
17	177	5896	8	-88	0	76	11	556.2	657.4	23.8	0.0	1213.6	1	

ASTA NUM. 26 NI 28 NF 36 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.7354	-1.9339	--	--	4.4058	-5.2635 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6484	7	-22	0	-75	-2	611.7	624.8	6.1	0.0	1236.5	1	
1E	0	-2868	7	-22	0	-75	-2	270.6	624.8	6.1	0.0	895.4	1	
1I	0	-5974	3	-9	0	-38	1	563.5	316.7	2.6	0.0	880.3	1	
1M	0	-3379	3	-9	0	-38	1	318.7	316.7	2.6	0.0	635.5	1	
2	0	-8753	8	-84	0	-224	-11	825.8	1868.2	22.6	0.0	2694.0	1	
3	0	-6351	7	-65	0	-173	-9	599.2	1443.4	17.5	0.0	2042.6	1	
4	0	-5033	3	-41	0	-110	-6	474.8	921.2	11.1	0.0	1396.1	1	
5	0	-7761	10	-85	0	-225	-11	732.2	1881.8	22.9	0.0	2614.0	1	
6	0	-7859	14	-71	0	-185	-9	741.4	1550.0	19.1	0.0	2291.4	1	
7	0	-6347	11	-64	0	-169	-9	598.8	1410.9	17.4	0.0	2009.7	1	
8	0	-4557	7	-32	0	-85	-4	429.9	712.5	8.8	0.0	1142.4	1	
9	0	-7916	15	-87	0	-228	-11	746.8	1901.1	23.4	0.0	2647.9	1	
10	0	-9010	8	-82	0	-220	-11	850.0	1840.5	22.3	0.0	2690.5	1	
11	0	-6568	7	-65	0	-172	-9	619.6	1437.5	17.5	0.0	2057.1	1	
12	0	-5186	3	-40	0	-108	-6	489.2	904.5	10.9	0.0	1393.7	1	
13	0	-7993	10	-85	0	-225	-11	754.1	1880.9	22.9	0.0	2635.0	1	
14	0	-7844	14	-71	0	-185	-9	740.0	1546.5	19.1	0.0	2286.5	1	
15	0	-6390	11	-65	0	-170	-9	602.8	1419.9	17.5	0.0	2022.8	1	
16	0	-4532	7	-32	0	-85	-4	427.5	711.7	8.8	0.0	1139.3	1	
17	0	-8032	15	-88	0	-231	-11	757.7	1929.3	23.8	0.0	2687.0	1	
1A	88	-6478	3	-22	0	-64	2	611.1	529.0	6.1	0.0	1140.1	1	
1E	88	-2862	3	-22	0	-64	2	270.0	529.0	6.1	0.0	799.0	1	
1I	88	-5968	-1	-9	0	-16	2	563.0	137.9	2.6	0.0	700.9	1	
1M	88	-3373	-1	-9	0	-16	2	318.2	137.9	2.6	0.0	456.1	1	
2	88	-8738	13	-85	0	-149	-2	824.3	1228.9	23.0	0.0	2053.2	1	
3	88	-6342	10	-66	0	-115	-1	598.3	948.2	17.8	0.0	1546.4	1	
4	88	-5024	6	-42	0	-74	-1	473.9	607.9	11.3	0.0	1081.9	1	
5	88	-7752	13	-86	0	-150	-1	731.3	1234.6	23.1	0.0	1965.8	1	
6	88	-7849	11	-71	0	-123	1	740.4	1010.8	19.2	0.0	1751.3	1	
7	88	-6341	10	-65	0	-112	1	598.2	920.5	17.4	0.0	1518.6	1	
8	88	-4551	5	-33	0	-56	1	429.3	465.5	8.8	0.0	894.8	1	
9	88	-7910	13	-87	0	-151	1	746.2	1240.7	23.5	0.0	1986.9	1	
10	88	-8995	13	-84	0	-147	-2	848.6	1209.7	22.7	0.0	2058.2	1	
11	88	-6559	10	-66	0	-114	-1	618.7	943.5	17.7	0.0	1562.2	1	
12	88	-5177	6	-41	0	-72	-1	488.3	596.3	11.1	0.0	1084.7	1	
13	88	-7984	13	-86	0	-150	-1	753.2	1233.2	23.2	0.0	1986.3	1	
14	88	-7833	11	-71	0	-122	1	739.0	1009.4	19.2	0.0	1748.4	1	
15	88	-6384	10	-65	0	-113	1	602.2	926.4	17.6	0.0	1528.6	1	
16	88	-4526	5	-33	0	-56	1	426.9	465.0	8.8	0.0	892.0	1	
17	88	-8026	13	-88	0	-153	1	757.1	1258.9	23.8	0.0	2016.0	1	
1A	177	-6472	-1	-22	0	-52	3	610.6	436.6	6.1	0.0	1047.2	1	
1E	177	-2856	-1	-22	0	-52	3	269.4	436.6	6.1	0.0	706.0	1	
1I	177	-5962	-5	-9	0	6	-1	562.4	51.3	2.6	0.0	613.7	1	
1M	177	-3367	-5	-9	0	6	-1	317.6	51.3	2.6	0.0	368.9	1	
2	177	-8723	18	-87	0	-73	11	822.9	633.8	23.4	0.0	1456.7	1	
3	177	-6332	13	-67	0	-57	9	597.4	490.2	18.0	0.0	1087.6	1	
4	177	-5014	9	-43	0	-36	6	473.0	313.8	11.6	0.0	786.9	1	
5	177	-7742	16	-87	0	-74	11	730.4	639.8	23.4	0.0	1370.2	1	
6	177	-7838	8	-71	0	-60	9	739.4	518.3	19.3	0.0	1257.7	1	
7	177	-6334	8	-65	0	-55	8	597.5	474.7	17.5	0.0	1072.3	1	
8	177	-4544	3	-33	0	-27	4	428.7	238.4	8.9	0.0	667.1	1	
9	177	-7903	11	-87	0	-74	11	745.6	641.9	23.5	0.0	1387.5	1	
10	177	-8980	17	-85	0	-72	11	847.2	621.9	23.1	0.0	1469.1	1	
11	177	-6549	13	-66	0	-56	9	617.8	486.5	18.0	0.0	1104.4	1	
12	177	-5167	9	-42	0	-35	6	487.5	306.7	11.4	0.0	794.2	1	
13	177	-7974	16	-87	0	-74	11	752.3	637.9	23.4	0.0	1390.1	1	
14	177	-7822	7	-71	0	-60	9	737.9	517.4	19.3	0.0	1255.3	1	
15	177	-6377	8	-65	0	-55	8	601.6	477.5	17.6	0.0	1079.1	1	
16	177	-4519	3	-33	0	-27	4	426.3	238.0	8.9	0.0	664.3	1	
17	177	-8019	11	-88	0	-75	11	756.5	650.7	23.9	0.0	1407.2	1	

ASTA NUM. 27 NI 39 NF 31 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1327	-0.2832	--	--	4.4058	2.9898 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-784	1	-12	0	-23	-3	73.9	194.4	3.2	0.0	268.3	1	
1E	0	167	1	-12	0	-23	-3	15.7	194.4	3.2	0.0	210.1	1	
1I	0	-459	-0	6	0	10	2	43.3	83.5	1.5	0.0	126.8	1	
1M	0	-158	-0	6	0	10	2	14.9	83.5	1.5	0.0	98.4	1	
2	0	-54	3	-47	0	-99	-14	5.1	857.0	12.8	0.0	862.1	1	
3	0	390	4	-42	0	-73	-11	36.8	632.2	11.4	0.0	669.0	1	
4	0	-774	1	-21	0	-51	-7	73.0	444.5	5.6	0.0	517.5	1	
5	0	1052	7	-62	0	-91	-13	99.2	785.9	16.9	0.0	885.2	1	
6	0	-411	2	-40	0	-74	-10	38.7	638.2	10.7	0.0	677.0	1	
7	0	402	4	-45	0	-64	-9	37.9	554.5	12.1	0.0	592.4	1	
8	0	-1126	0	-16	0	-35	-5	106.2	304.1	4.2	0.0	410.4	1	
9	0	1149	8	-67	0	-84	-12	108.4	726.5	18.2	0.0	834.9	1	
10	0	-431	1	-43	0	-99	-14	40.7	853.1	11.7	0.0	893.7	1	
11	0	154	3	-40	0	-73	-11	14.5	634.3	10.8	0.0	648.8	1	
12	0	-997	-0	-18	0	-51	-7	94.1	442.3	4.9	0.0	536.4	1	
13	0	826	6	-60	0	-91	-13	78.0	790.1	16.3	0.0	868.1	1	
14	0	-413	2	-39	0	-74	-10	39.0	636.5	10.7	0.0	675.5	1	
15	0	402	4	-45	0	-65	-9	37.9	558.1	12.2	0.0	596.0	1	
16	0	-1106	0	-16	0	-35	-5	104.3	303.8	4.2	0.0	408.2	1	
17	0	1166	8	-68	0	-85	-12	110.0	737.4	18.4	0.0	847.4	1	
1A	88	-777	-3	-12	0	-12	-3	73.3	109.6	3.2	0.0	183.0	1	
1E	88	173	-3	-12	0	-12	-3	16.3	109.6	3.2	0.0	125.9	1	
1I	88	-453	-4	6	0	5	1	42.7	40.2	1.5	0.0	82.9	1	
1M	88	-152	-4	6	0	5	1	14.3	40.2	1.5	0.0	54.5	1	
2	88	-44	-1	-61	0	-51	-14	4.2	461.3	16.6	0.0	465.5	1	
3	88	396	1	-51	0	-32	-8	37.3	286.9	13.8	0.0	324.3	1	
4	88	-768	-2	-30	0	-29	-8	72.4	263.5	8.0	0.0	335.9	1	
5	88	1058	5	-71	0	-32	-8	99.8	284.7	19.3	0.0	384.5	1	
6	88	-402	-3	-43	0	-37	-11	37.9	340.6	11.7	0.0	378.5	1	
7	88	407	1	-47	0	-24	-7	38.4	213.5	12.7	0.0	252.0	1	
8	88	-1121	-3	-18	0	-21	-6	105.7	186.8	4.8	0.0	292.5	1	
9	88	1155	5	-70	0	-24	-6	108.9	211.8	18.8	0.0	320.8	1	
10	88	-421	-3	-57	0	-54	-15	39.7	490.8	15.5	0.0	530.6	1	
11	88	160	0	-49	0	-34	-9	15.1	307.7	13.2	0.0	322.8	1	
12	88	-991	-3	-27	0	-31	-8	93.5	282.0	7.3	0.0	375.5	1	
13	88	832	4	-69	0	-34	-9	78.5	306.5	18.7	0.0	385.1	1	
14	88	-403	-3	-43	0	-37	-11	38.1	339.2	11.6	0.0	377.3	1	
15	88	407	1	-47	0	-24	-7	38.4	215.4	12.8	0.0	253.8	1	
16	88	-1101	-3	-18	0	-21	-6	103.8	186.5	4.8	0.0	290.4	1	
17	88	1172	5	-70	0	-24	-6	110.5	217.4	19.0	0.0	327.9	1	
1A	177	-771	-7	-12	0	-2	-7	72.7	65.3	3.2	0.0	138.1	6	
1E	177	179	-7	-12	0	-2	-7	16.9	65.3	3.2	0.0	82.3	6	
1I	177	-446	-8	6	0	-0	-3	42.1	29.0	2.2	0.0	71.1	6	
1M	177	-145	-8	6	0	-0	-3	13.7	29.0	2.2	0.0	42.7	6	
2	177	-35	-5	-76	0	9	-17	3.3	165.3	20.4	0.0	168.5	6	
3	177	402	-1	-60	0	17	-8	37.9	165.7	16.2	0.0	203.6	1	
4	177	-762	-4	-38	0	1	-10	71.9	84.8	10.4	0.0	156.7	6	
5	177	1064	2	-80	0	35	-5	100.4	303.0	21.7	0.0	403.4	1	
6	177	-393	-9	-47	0	2	-17	37.0	142.3	12.6	0.0	179.3	6	
7	177	413	-2	-49	0	19	-7	39.0	177.4	13.3	0.0	216.4	1	
8	177	-1115	-6	-20	0	-4	-10	105.2	93.2	5.4	0.0	198.4	6	
9	177	1160	2	-72	0	39	-3	109.4	330.0	19.4	0.0	439.4	1	
10	177	-412	-7	-72	0	3	-19	38.8	167.9	19.4	0.0	206.8	6	
11	177	166	-2	-58	0	13	-10	15.7	137.2	15.6	0.0	152.8	1	
12	177	-985	-5	-36	0	-3	-12	92.9	107.4	9.7	0.0	200.4	6	
13	177	838	1	-78	0	31	-7	79.1	274.9	21.1	0.0	353.9	1	
14	177	-394	-9	-47	0	2	-16	37.2	141.8	12.6	0.0	179.0	6	
15	177	413	-2	-50	0	19	-7	38.9	177.7	13.4	0.0	216.7	1	
16	177	-1095	-6	-20	0	-4	-10	103.3	92.9	5.4	0.0	196.2	6	
17	177	1177	2	-73	0	39	-4	111.0	331.2	19.6	0.0	442.3	1	

ASTA NUM. 28 NI 27 NF 40 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1327	-0.2832	--	--	4.4058	2.9898 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-86	-12	44	0	114	21	8.1	994.4	11.9	0.0	1002.6	1	
1E	0	1039	-12	44	0	114	21	98.0	994.4	11.9	0.0	1092.4	1	
1I	0	133	-20	58	0	138	31	12.5	1228.4	15.7	0.0	1240.9	1	
1M	0	820	-20	58	0	138	31	77.3	1228.4	15.7	0.0	1305.7	1	
2	0	340	-20	12	0	126	31	32.1	1124.7	5.4	0.0	1156.8	1	
3	0	-305	-10	-9	0	35	17	28.8	336.8	2.7	0.0	365.5	1	
4	0	964	-12	11	0	85	19	91.0	754.0	3.3	0.0	844.9	1	
5	0	-1120	-5	-35	0	-35	12	105.7	322.5	9.4	0.0	428.1	1	
6	0	717	-16	42	0	152	28	67.6	1334.0	11.5	0.0	1401.6	1	
7	0	-354	-6	2	0	29	13	33.4	276.2	1.6	0.0	309.6	1	
8	0	1328	-10	30	0	102	16	125.3	884.4	8.0	0.0	1009.6	1	
9	0	-1270	-1	-27	0	-48	8	119.8	420.4	7.3	0.0	540.2	1	
10	0	811	-24	26	0	166	35	76.5	1468.6	7.1	0.0	1545.1	1	
11	0	-8	-12	0	0	61	20	0.7	561.9	3.3	0.0	562.6	1	
12	0	1246	-14	19	0	110	21	117.5	968.7	5.3	0.0	1086.3	1	
13	0	-832	-8	-25	0	-8	15	78.5	149.0	6.8	0.0	227.5	6	
14	0	714	-16	42	0	152	28	67.4	1332.2	11.5	0.0	1399.5	1	
15	0	-350	-6	2	0	30	14	33.0	284.2	1.7	0.0	317.2	1	
16	0	1309	-10	30	0	102	16	123.5	881.9	8.0	0.0	1005.4	1	
17	0	-1279	-1	-26	0	-46	9	120.7	400.4	7.1	0.0	521.1	1	
1A	88	-80	-16	44	0	68	8	7.5	580.1	11.9	0.0	587.6	1	
1E	88	1045	-16	44	0	68	8	98.6	580.1	11.9	0.0	678.6	1	
1I	88	139	-24	58	0	65	11	13.1	564.3	15.7	0.0	577.4	1	
1M	88	826	-24	58	0	65	11	77.9	564.3	15.7	0.0	642.2	1	
2	88	350	-24	26	0	109	12	33.0	928.8	7.0	0.0	961.8	1	
3	88	-299	-12	-0	0	39	7	28.2	339.5	3.3	0.0	367.7	1	
4	88	970	-15	19	0	72	7	91.5	610.0	5.2	0.0	701.5	1	
5	88	-1114	-8	-26	0	-8	7	105.1	84.8	7.0	0.0	189.8	1	
6	88	726	-21	46	0	113	11	68.5	963.0	12.4	0.0	1031.5	1	
7	88	-348	-9	4	0	26	7	32.8	235.5	2.5	0.0	268.3	1	
8	88	1334	-13	32	0	75	6	125.8	630.7	8.6	0.0	756.6	1	
9	88	-1265	-4	-25	0	-25	6	119.3	225.9	6.7	0.0	345.2	1	
10	88	820	-28	40	0	137	13	77.4	1159.4	10.9	0.0	1236.8	1	
11	88	-2	-15	9	0	57	8	0.2	490.7	4.0	0.0	490.9	1	
12	88	1252	-17	28	0	89	7	118.1	754.0	7.7	0.0	872.1	1	
13	88	-826	-10	-16	0	11	7	77.9	108.7	4.5	0.0	186.6	1	
14	88	724	-21	46	0	113	11	68.3	961.8	12.4	0.0	1030.1	1	
15	88	-345	-9	4	0	27	7	32.5	240.9	2.5	0.0	273.4	1	
16	88	1315	-13	32	0	74	6	124.0	629.1	8.6	0.0	753.1	1	
17	88	-1274	-5	-24	0	-23	6	120.1	211.0	6.5	0.0	331.1	1	
1A	177	-74	-20	44	0	22	-8	7.0	203.2	11.9	0.0	210.1	1	
1E	177	1051	-20	44	0	22	-8	99.2	203.2	11.9	0.0	302.3	1	
1I	177	145	-28	58	0	-9	-13	13.7	129.2	15.7	0.0	142.9	6	
1M	177	832	-28	58	0	-9	-13	78.5	129.2	15.7	0.0	207.7	6	
2	177	360	-28	40	0	80	-11	33.9	687.5	10.9	0.0	721.4	1	
3	177	-293	-15	9	0	35	-5	27.6	301.0	4.0	0.0	328.6	1	
4	177	976	-17	28	0	51	-7	92.1	438.8	7.6	0.0	531.0	1	
5	177	-1108	-10	-17	0	11	-1	104.5	95.3	4.6	0.0	199.8	1	
6	177	735	-26	50	0	71	-10	69.3	612.5	13.4	0.0	681.9	1	
7	177	-342	-12	6	0	22	-3	32.3	187.9	3.3	0.0	220.2	1	
8	177	1340	-16	34	0	45	-6	126.4	391.2	9.2	0.0	517.6	1	
9	177	-1259	-7	-23	0	-4	1	118.8	39.1	6.1	0.0	157.9	1	
10	177	830	-32	54	0	95	-14	78.3	817.9	14.7	0.0	896.2	1	
11	177	4	-17	18	0	45	-6	0.4	386.9	4.9	0.0	387.4	1	
12	177	1258	-19	37	0	60	-9	118.7	520.4	10.1	0.0	639.0	1	
13	177	-820	-13	-8	0	21	-3	77.3	182.9	3.4	0.0	260.2	1	
14	177	733	-27	50	0	71	-10	69.2	610.9	13.4	0.0	680.1	1	
15	177	-339	-13	6	0	22	-3	32.0	191.3	3.4	0.0	223.3	1	
16	177	1320	-16	34	0	45	-6	124.5	390.5	9.2	0.0	515.0	1	
17	177	-1268	-8	-22	0	-3	1	119.6	29.1	5.9	0.0	148.8	1	

ASTA NUM. 29 NI 29 NF 35 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.7354	1.9339	--	--	4.4058	14.0750 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2292	-5	-24	0	-77	8	216.2	661.0	6.6	0.0	877.2	1	
1E	0	5908	-5	-24	0	-77	8	557.4	661.0	6.6	0.0	1218.3	1	
1I	0	2803	-9	-11	0	-41	11	264.4	366.7	3.0	0.0	631.1	1	
1M	0	5398	-9	-11	0	-41	11	509.2	366.7	3.0	0.0	875.9	1	
2	0	7986	3	-86	0	-227	11	753.4	1893.7	23.3	0.0	2647.1	1	
3	0	5556	0	-67	0	-175	8	524.2	1462.9	18.0	0.0	1987.0	1	
4	0	3650	4	-43	0	-114	5	344.3	954.3	11.7	0.0	1298.7	1	
5	0	6319	-3	-87	0	-230	11	596.1	1916.7	23.5	0.0	2512.8	1	
6	0	7098	-2	-73	0	-188	9	669.6	1571.9	19.8	0.0	2241.5	1	
7	0	5379	-4	-66	0	-171	8	507.5	1431.0	17.9	0.0	1938.4	1	
8	0	2950	0	-35	0	-90	4	278.3	748.8	9.5	0.0	1027.1	1	
9	0	6237	-8	-89	0	-232	11	588.4	1939.2	24.1	0.0	2527.6	1	
10	0	8265	3	-85	0	-224	11	779.7	1869.6	23.0	0.0	2649.3	1	
11	0	5785	0	-66	0	-175	8	545.8	1459.6	18.0	0.0	2005.3	1	
12	0	3833	4	-43	0	-112	5	361.6	938.5	11.5	0.0	1300.1	1	
13	0	6586	-3	-87	0	-230	11	621.3	1917.5	23.6	0.0	2538.8	1	
14	0	7113	-2	-73	0	-189	9	671.0	1575.4	19.8	0.0	2246.5	1	

15	0	5443	-4	-67	0	-173	8	513.5	1443.6	18.0	0.0	1957.1	1
16	0	2974	0	-35	0	-90	4	280.6	749.6	9.5	0.0	1030.1	1
17	0	6408	-8	-91	0	-236	11	604.5	1969.3	24.5	0.0	2573.8	1
1A	88	2298	-9	-24	0	-64	2	216.8	534.0	6.6	0.0	750.8	1
1E	88	5914	-9	-24	0	-64	2	557.9	534.0	6.6	0.0	1091.9	1
1I	88	2809	-13	-11	0	-17	2	265.0	142.9	3.5	0.0	407.9	1
1M	88	5404	-13	-11	0	-17	2	509.8	142.9	3.5	0.0	652.7	1
2	88	7988	-12	-88	0	-150	7	753.6	1251.2	23.7	0.0	2004.8	1
3	88	5557	-10	-67	0	-116	4	524.3	964.6	18.2	0.0	1488.9	1
4	88	3651	-6	-44	0	-76	4	344.4	633.4	12.0	0.0	977.8	1
5	88	6320	-13	-88	0	-152	4	596.3	1261.0	23.8	0.0	1857.3	1
6	88	7105	-10	-74	0	-123	3	670.3	1023.5	19.9	0.0	1693.8	1
7	88	5383	-9	-66	0	-113	2	507.9	932.7	17.9	0.0	1440.5	1
8	88	2954	-5	-35	0	-59	2	278.7	488.2	9.5	0.0	766.9	1
9	88	6241	-13	-89	0	-153	2	588.8	1264.7	24.2	0.0	1853.5	1
10	88	8267	-12	-87	0	-148	7	779.9	1234.4	23.4	0.0	2014.3	1
11	88	5786	-10	-67	0	-116	4	545.9	961.6	18.2	0.0	1507.5	1
12	88	3834	-6	-44	0	-74	4	361.7	622.4	11.8	0.0	984.1	1
13	88	6587	-13	-88	0	-152	4	621.4	1260.9	23.8	0.0	1882.3	1
14	88	7121	-10	-74	0	-124	4	671.7	1026.1	19.9	0.0	1697.8	1
15	88	5447	-9	-67	0	-114	2	513.9	940.9	18.1	0.0	1454.8	1
16	88	2979	-5	-35	0	-59	2	281.0	488.7	9.5	0.0	769.7	1
17	88	6412	-13	-91	0	-156	2	605.0	1284.2	24.5	0.0	1889.2	1
1A	177	2304	-13	-24	0	-51	-8	217.4	443.8	6.6	0.0	661.2	1
1E	177	5920	-13	-24	0	-51	-8	558.5	443.8	6.6	0.0	1002.3	1
1I	177	2815	-17	-11	0	7	-11	265.5	113.1	4.5	0.0	378.6	6
1M	177	5410	-17	-11	0	7	-11	510.3	113.1	4.5	0.0	623.4	6
2	177	7990	-28	-89	0	-72	-11	753.8	622.5	24.1	0.0	1376.3	1
3	177	5559	-19	-68	0	-56	-9	524.4	484.4	18.5	0.0	1008.9	1
4	177	3652	-16	-45	0	-36	-6	344.5	312.9	12.2	0.0	657.4	1
5	177	6322	-22	-89	0	-74	-11	596.4	639.3	24.1	0.0	1235.7	1
6	177	7112	-18	-74	0	-58	-9	670.9	505.6	20.0	0.0	1176.6	1
7	177	5388	-14	-67	0	-54	-8	508.3	468.7	18.0	0.0	977.0	1
8	177	2958	-10	-35	0	-27	-4	279.1	238.3	9.6	0.0	517.4	1
9	177	6246	-18	-90	0	-74	-11	589.2	642.4	24.2	0.0	1231.6	1
10	177	8269	-28	-88	0	-71	-11	780.1	612.4	23.8	0.0	1392.5	1
11	177	5788	-19	-68	0	-56	-8	546.0	481.7	18.5	0.0	1027.7	1
12	177	3835	-16	-45	0	-35	-5	361.8	306.3	12.0	0.0	668.0	1
13	177	6588	-22	-89	0	-74	-11	621.5	638.2	24.1	0.0	1259.7	1
14	177	7128	-19	-74	0	-58	-9	672.5	506.5	20.0	0.0	1179.0	1
15	177	5452	-14	-67	0	-55	-8	514.3	472.9	18.2	0.0	987.3	1
16	177	2983	-10	-35	0	-28	-4	281.4	238.7	9.6	0.0	520.1	1
17	177	6417	-18	-91	0	-75	-11	605.4	652.4	24.6	0.0	1257.8	1

ASTA NUM. 30 NI 36 NF 32 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.7354	-1.9339	--	--	4.4058	-5.2635 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			dAN/cmq						
1A	0	-6211	-5	-25	0	-18	8	585.9	169.1	6.8	0.0	755.0	1	
1E	0	-2651	-5	-25	0	-18	8	250.1	169.1	6.8	0.0	419.2	1	
1I	0	-5544	-9	4	0	6	12	523.1	116.6	2.5	0.0	639.7	6	
1M	0	-3318	-9	4	0	6	12	313.0	116.6	2.5	0.0	429.6	6	
2	0	-8168	-18	-86	0	-76	12	770.6	662.6	23.3	0.0	1433.2	1	
3	0	-5914	-13	-66	0	-59	9	557.9	512.6	17.8	0.0	1070.5	1	
4	0	-4731	-10	-43	0	-38	6	446.3	328.1	11.6	0.0	774.4	1	
5	0	-7213	-16	-85	0	-77	12	680.5	669.0	22.9	0.0	1349.5	1	
6	0	-7416	-8	-72	0	-62	10	699.6	541.8	19.5	0.0	1241.4	1	
7	0	-5957	-8	-64	0	-57	9	562.0	496.4	17.3	0.0	1058.4	1	
8	0	-4346	-3	-34	0	-29	5	410.0	249.1	9.1	0.0	659.1	1	
9	0	-7401	-11	-85	0	-78	12	698.2	671.3	23.0	0.0	1369.5	1	
10	0	-8432	-18	-86	0	-75	12	795.5	650.2	23.1	0.0	1445.6	1	
11	0	-6133	-13	-66	0	-59	9	578.6	508.8	17.8	0.0	1087.4	1	
12	0	-4888	-10	-43	0	-37	6	461.1	320.6	11.5	0.0	781.7	1	
13	0	-7445	-16	-85	0	-77	12	702.4	667.0	23.0	0.0	1369.4	1	
14	0	-7403	-8	-72	0	-62	10	698.4	540.8	19.5	0.0	1239.2	1	
15	0	-5998	-8	-64	0	-58	9	565.8	499.3	17.4	0.0	1065.1	1	
16	0	-4322	-3	-34	0	-29	5	407.7	248.7	9.1	0.0	656.5	1	
17	0	-7510	-11	-86	0	-79	12	708.5	680.5	23.4	0.0	1389.0	1	
1A	88	-6205	-9	-25	0	3	2	585.3	31.6	6.8	0.0	617.0	1	
1E	88	-2644	-9	-25	0	3	2	249.5	31.6	6.8	0.0	281.1	1	
1I	88	-5538	-13	4	0	2	2	522.4	23.1	3.6	0.0	545.6	1	
1M	88	-3311	-13	4	0	2	2	312.4	23.1	3.6	0.0	335.5	1	
2	88	-8153	-13	-88	0	1	-2	769.2	18.5	23.7	0.0	787.7	6	
3	88	-5905	-10	-67	0	-1	-1	557.1	11.5	18.0	0.0	568.5	6	
4	88	-4722	-7	-44	0	1	-1	445.5	13.0	11.9	0.0	458.5	6	
5	88	-7204	-13	-86	0	-2	-1	679.6	19.7	23.1	0.0	699.3	1	
6	88	-7406	-11	-72	0	1	1	698.6	15.2	19.6	0.0	713.9	1	
7	88	-5951	-10	-64	0	-1	1	561.4	9.8	17.4	0.0	571.2	6	
8	88	-4340	-5	-34	0	1	1	409.4	11.3	9.1	0.0	420.7	1	
9	88	-7395	-13	-85	0	-2	1	697.6	21.0	23.1	0.0	718.6	1	
10	88	-8417	-13	-87	0	1	-2	794.1	21.7	23.5	0.0	815.8	6	
11	88	-6124	-10	-67	0	-0	-1	577.7	10.5	18.1	0.0	588.1	6	
12	88	-4879	-7	-43	0	1	-1	460.2	15.0	11.8	0.0	475.2	6	
13	88	-7436	-13	-86	0	-2	-1	701.5	15.7	23.2	0.0	717.1	1	
14	88	-7392	-11	-72	0	1	1	697.4	16.1	19.6	0.0	713.4	6	
15	88	-5992	-10	-65	0	-0	1	565.2	9.4	17.5	0.0	574.7	6	
16	88	-4316	-5	-34	0	1	1	407.1	11.4	9.1	0.0	418.6	1	
17	88	-7504	-13	-87	0	-2	1	707.9	20.3	23.4	0.0	728.1	1	
1A	177	-6198	-13	-25	0	24	-8	584.7	219.0	6.8	0.0	803.7	1	
1E	177	-2638	-13	-25	0	24	-8	248.9	219.0	6.8	0.0	467.8	1	
1I	177	-5531	-17	4	0	-2	-12	521.8	100.9	4.6	0.0	622.7	6	
1M	177	-3305	-17	4	0	-2	-12	311.8	100.9	4.6	0.0	412.6	6	
2	177	-8138	-8	-89	0	79	-12	767.7	681.7	24.2	0.0	1449.5	1	
3	177	-5896	-7	-68	0	59	-9	556.2	508.6	18.3	0.0	1064.8	1	
4	177	-4713	-4	-45	0	40	-6	444.6	344.5	12.1	0.0	789.1	1	
5	177	-7194	-10	-87	0	74	-11	678.7	640.6	23.4	0.0	1319.3	1	
6	177	-7395	-14	-73	0	66	-10	697.6	567.1	19.7	0.0	1264.8	1	
7	177	-5944	-12	-65	0	56	-8	560.8	487.8	17.4	0.0	1048.5	1	
8	177	-4333	-7	-34	0	31	-5	408.8	269.7	9.2	0.0	678.5	1	
9	177	-7388	-15	-86	0	73	-11	697.0	635.8	23.1	0.0	1332.8	1	
10	177	-8402	-8	-89	0	79	-12	792.6	682.9	24.0	0.0	1475.5	1	
11	177	-6114	-7	-68	0	59	-9	576.8	513.6	18.3	0.0	1090.4	1	
12	177	-4869	-4	-44	0	40	-6	459.3	345.3	12.0	0.0	804.7	1	
13	177	-7426	-10	-87	0	75	-11	700.6	647.4	23.5	0.0	1348.0	1	
14	177	-7381	-14	-73	0	66	-10	696.3	566.9	19.7	0.0	1263.2	1	
15	177	-5985	-12	-65	0	57	-8	564.6	491.8	17.6	0.0	1056.4	1	
16	177	-4309	-7	-34	0	31	-5	406.5	269.8	9.2	0.0	676.3	1	
17	177	-7497	-15	-87	0	75	-11	707.3	646.5	23.5	0.0	1353.7	1	

ASTA NUM. 31 NI 35 NF 37 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			dAN/cmq						
1A	0	-293	1	2	0	2	-0	95.0	142.2	1.4	0.0	237.2	1	
1E	0	-144	1	2	0	2	-0	46.6	142.2	1.4	0.0	188.8	1	
1I	0	-393	0	4	0	3	0	127.5	205.5	3.5	0.0	333.0	1	
1M	0	-44	0	4	0	3	0	14.2	205.5	3.5	0.0	219.6	1	
2	0	-493	1	-6	0	3	-0	160.2	199.3	5.8	0.0	359.5	1	
3	0	-371	1	-4	0	2	-0	120.4	155.5	3.6	0.0	275.9	1	
4	0	-255	1	-4	0	2	-0	82.9	100.2	3.4	0.0	183.1	1	
5	0	-474	1	-4	0	3	-0	154.0	205.4	3.6	0.0	359.4	1	
6	0	-386	1	-4	0	2	-0	125.3	161.2	3.9	0.0	286.5	1	
7	0	-342	1	-3	0	2	-0	110.9	150.3	2.4	0.0	261.1	1	
8	0	-187	1	-2	0	1	-0	60.7	76.0	2.2	0.0	136.6	1	
9	0	-458	1	-3	0	3	-0	148.7	206.1	2.4	0.0	354.8	1	
10	0	-490	1	-7	0	3	-0	159.1	195.8	6.1	0.0	354.9	1	
11	0	-371	1	-4	0	2	-0	120.5	154.5	3.8	0.0	275.0	1	
12	0	-253	1	-4	0	1	-0	82.1	97.9	3.6	0.0	180.0	1	
13	0	-476	1	-4	0	3	-0	154.4	204.9	3.8	0.0	359.4	1	
14	0	-388	1	-4	0	2	-0	126.0	161.4	3.9	0.0	287.4	1	
15	0	-345	1	-3	0	2	-0	112.0	151.6	2.5	0.0	263.6	1	
16	0	-188	1	-2	0	1	-0	60.9	76.0	2.2	0.0	136.9	1	
17	0	-465	1	-3	0	3	-0	151.1	209.3	2.5	0.0	360.4	1	
1A	41	-293	-0	2	0	1	-0	95.0	84.4	1.4	0.0	179.4	1	
1E	41	-144	-0	2	0	1	-0	46.6	84.4	1.4	0.0	131.0	1	
1I	41	-393	-1	4	0	6	0	127.5	366.4	3.5	0.0	493.9	1	
1M	41	-44	-1	4	0	6	0	14.2	366.4	3.5	0.0	380.5	1	
2	41	-493	-0	-6	0	6	-0	160.2	362.0	5.8	0.0	522.2	1	
3	41	-371	-0	-4	0	4	-0	120.4	257.1	3.6	0.0	377.5	1	
4	41	-255	-0	-4	0	3	-0	82.9	195.7	3.4	0.0	278.5	1	
5	41	-474	-0	-4	0	5	-0	154.0	307.0	3.6	0.0	461.0	1	
6	41	-386	-0	-4	0	4	-0	125.3	266.6	3.9	0.0	391.9	1	
7	41	-342	-0	-3	0	3	-0	110.9	216.7	2.4	0.0	327.6	1	
8	41	-187	-0	-2	0	2	0	60.7	136.0	2.2	0.0	196.6	1	
9	41	-458	-0	-3	0	4	-0	148.7	272.9	2.4	0.0	421.6	1	
10	41	-490	-1	-7	0	6	-0	159.1	366.2	6.1	0.0	525.3	1	
11	41	-371	-0	-4	0	4	-0	120.5	261.4	3.8	0.0	381.9	1	
12	41	-253	-0	-4	0	3	-0	82.1	198.2	3.6	0.0	280.3	1	
13	41	-476	-0	-4	0	5	-0	154.4	312.1	3.8	0.0	466.6	1	
14	41	-388	-0	-4	0	4	-0	126.0	267.2	3.9	0.0	393.3	1	
15	41	-345	-0	-3	0	3	-0	112.0	218.6	2.5	0.0	330.7	1	
16	41	-188	-0	-2	0	2	0	60.9	136.1	2.2	0.0	197.0	1	
17	41	-465	-0	-3	0	4	-0	151.1	277.6	2.5	0.0	428.6	1	
1A	81	-293	-1	2	0	0	-0	95.0	39.2	1.4	0.0	134.2	6	
1E	81	-144	-1	2	0	0	-0	46.6	39.2	1.4	0.0	85.8	6	
1I	81	-393	-2	4	0	8	0	127.5	517.2	3.5	0.0	644.8	1	

1M	81	-44	-2	4	0	8	0	14.2	517.2	3.5	0.0	531.4	1
2	81	-493	-2	-6	0	8	-1	160.2	538.7	5.8	0.0	698.9	1
3	81	-371	-1	-4	0	6	-0	120.4	367.4	3.6	0.0	487.8	1
4	81	-255	-1	-4	0	5	-0	82.9	299.9	3.4	0.0	382.7	1
5	81	-474	-1	-4	0	6	-0	154.0	417.4	3.6	0.0	571.3	1
6	81	-386	-2	-4	0	6	-0	125.3	386.1	3.9	0.0	511.4	1
7	81	-342	-1	-3	0	4	-0	110.9	291.9	2.4	0.0	402.8	1
8	81	-187	-1	-2	0	3	-0	60.7	203.6	2.2	0.0	264.3	1
9	81	-458	-1	-3	0	5	-0	148.7	348.4	2.4	0.0	497.1	1
10	81	-490	-2	-7	0	8	-1	159.1	550.6	6.1	0.0	709.7	1
11	81	-371	-1	-4	0	6	-0	120.5	377.1	3.8	0.0	497.6	1
12	81	-253	-1	-4	0	5	-0	82.1	307.2	3.6	0.0	389.3	1
13	81	-476	-1	-4	0	6	-1	154.4	428.1	3.8	0.0	582.5	1
14	81	-388	-2	-4	0	6	-0	126.0	388.2	3.9	0.0	514.2	1
15	81	-345	-1	-3	0	4	-0	112.0	294.5	2.5	0.0	406.5	1
16	81	-188	-1	-2	0	3	-0	60.9	203.8	2.2	0.0	264.7	1
17	81	-465	-1	-3	0	5	-0	151.1	354.6	2.5	0.0	505.7	1

ASTA NUM. 32 NI 35 NF 2 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.8866	-0.9716	--	--	1.0303	-3.8279 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	163	1	1	0	-1	0	52.8	55.9	0.8	0.0	108.7	1	
1E	0	330	1	1	0	-1	0	107.2	55.9	0.8	0.0	163.1	1	
1I	0	51	1	1	0	0	1	16.6	45.3	0.8	0.0	61.8	6	
1M	0	442	1	1	0	0	1	143.4	45.3	0.8	0.0	188.7	6	
2	0	574	-4	2	0	-3	1	186.5	215.2	3.3	0.0	401.7	1	
3	0	427	-2	1	0	-2	0	138.6	168.1	2.0	0.0	306.8	1	
4	0	301	-2	1	0	-2	0	97.7	108.1	2.1	0.0	205.9	1	
5	0	540	-2	1	0	-3	1	175.2	222.5	2.0	0.0	397.6	1	
6	0	439	0	1	0	-3	0	142.4	174.1	0.8	0.0	316.5	1	
7	0	383	0	1	0	-2	0	124.5	162.6	0.7	0.0	287.1	1	
8	0	215	0	0	0	-1	0	69.8	82.0	0.4	0.0	151.8	1	
9	0	510	0	1	0	-3	1	165.6	223.4	0.9	0.0	389.1	1	
10	0	571	-4	2	0	-3	1	185.3	211.2	3.3	0.0	396.5	1	
11	0	427	-2	1	0	-2	0	138.7	166.9	2.0	0.0	305.7	1	
12	0	298	-2	1	0	-2	0	96.9	105.6	2.1	0.0	202.5	1	
13	0	541	-2	1	0	-3	1	175.6	221.8	2.0	0.0	397.5	1	
14	0	442	0	1	0	-3	0	143.5	174.3	0.8	0.0	317.8	1	
15	0	387	0	1	0	-2	0	125.7	164.1	0.7	0.0	289.8	1	
16	0	216	0	0	0	-1	0	70.0	82.0	0.4	0.0	152.0	1	
17	0	518	0	1	0	-3	1	168.2	226.9	0.9	0.0	395.1	1	
1A	83	164	0	1	0	-1	1	53.4	75.5	0.6	0.0	128.9	6	
1E	83	332	0	1	0	-1	1	107.8	75.5	0.6	0.0	183.3	6	
1I	83	53	-0	1	0	0	1	17.1	76.0	0.8	0.0	93.2	6	
1M	83	444	-0	1	0	0	1	144.0	76.0	0.8	0.0	220.1	6	
2	83	579	0	1	0	-4	-1	188.0	282.0	0.7	0.0	470.0	1	
3	83	430	0	1	0	-3	-0	139.6	211.8	0.5	0.0	351.4	1	
4	83	304	0	0	0	-2	-1	98.7	148.0	0.3	0.0	246.7	1	
5	83	543	0	1	0	-4	-0	176.2	269.4	0.7	0.0	445.5	1	
6	83	442	0	1	0	-3	1	143.4	216.8	0.6	0.0	360.3	1	
7	83	385	0	1	0	-3	1	125.1	201.1	0.6	0.0	326.3	1	
8	83	217	0	0	0	-1	0	70.4	102.3	0.3	0.0	172.7	1	
9	83	512	0	1	0	-4	1	166.3	275.5	0.8	0.0	441.8	1	
10	83	575	0	1	0	-4	-1	186.8	277.8	0.7	0.0	464.6	1	
11	83	430	0	1	0	-3	-0	139.7	210.6	0.5	0.0	350.3	1	
12	83	301	0	0	0	-2	-1	97.9	145.3	0.3	0.0	243.2	1	
13	83	544	0	1	0	-4	-0	176.6	268.7	0.7	0.0	445.4	1	
14	83	445	0	1	0	-3	1	144.6	217.9	0.6	0.0	362.5	1	
15	83	389	0	1	0	-3	1	126.3	203.0	0.6	0.0	329.3	1	
16	83	218	0	0	0	-1	0	70.7	102.4	0.3	0.0	173.1	1	
17	83	520	0	1	0	-4	1	168.8	279.8	0.8	0.0	448.7	1	
1A	166	166	-1	1	0	-1	1	54.0	73.4	0.8	0.0	127.3	1	
1E	166	334	-1	1	0	-1	1	108.4	73.4	0.8	0.0	181.7	1	
1I	166	55	-1	1	0	0	1	17.7	61.2	0.8	0.0	78.9	6	
1M	166	445	-1	1	0	0	1	144.6	61.2	0.8	0.0	205.8	6	
2	166	584	4	-0	0	-4	1	189.6	297.0	3.5	0.0	486.6	1	
3	166	433	2	0	0	-3	1	140.6	234.0	2.2	0.0	374.6	1	
4	166	307	2	-0	0	-2	0	99.7	146.8	2.2	0.0	246.4	1	
5	166	546	2	0	0	-5	1	177.1	312.4	2.2	0.0	489.6	1	
6	166	445	0	0	0	-4	1	144.4	247.9	0.4	0.0	392.4	1	
7	166	387	0	0	0	-3	1	125.7	232.4	0.4	0.0	358.2	1	
8	166	219	0	0	0	-2	0	71.0	115.3	0.1	0.0	186.3	1	
9	166	514	0	1	0	-5	1	166.9	320.3	0.7	0.0	487.2	1	
10	166	580	4	-0	0	-4	1	188.4	291.5	3.5	0.0	479.9	1	
11	166	433	2	0	0	-3	1	140.7	232.5	2.2	0.0	373.2	1	
12	166	304	2	-0	0	-2	0	98.8	143.3	2.2	0.0	242.1	1	
13	166	547	2	0	0	-5	1	177.6	311.7	2.2	0.0	489.3	1	
14	166	449	0	0	0	-4	1	145.7	248.1	0.4	0.0	393.8	1	
15	166	391	0	0	0	-3	1	127.0	234.6	0.4	0.0	361.6	1	
16	166	220	0	0	0	-2	0	71.3	115.5	0.1	0.0	186.8	1	
17	166	522	0	1	0	-5	1	169.5	325.4	0.7	0.0	494.9	1	

ASTA NUM. 33 NI 36 NF 38 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	136	1	2	0	2	0	44.1	147.9	2.0	0.0	192.0	1	
1E	0	285	1	2	0	2	0	92.5	147.9	2.0	0.0	240.4	1	
1I	0	36	1	4	0	3	0	11.6	213.6	4.1	0.0	225.1	1	
1M	0	385	1	4	0	3	0	125.0	213.6	4.1	0.0	338.5	1	
2	0	481	2	-5	0	3	0	156.3	203.0	5.0	0.0	359.3	1	
3	0	364	1	-3	0	2	0	118.0	157.2	3.1	0.0	275.2	1	
4	0	244	1	-3	0	2	0	79.3	100.4	2.9	0.0	179.7	1	
5	0	463	1	-3	0	3	0	150.2	205.4	3.1	0.0	355.7	1	
6	0	376	2	-3	0	2	0	121.9	165.2	3.0	0.0	287.2	1	
7	0	335	1	-2	0	2	0	108.9	151.9	1.9	0.0	260.8	1	
8	0	176	1	-2	0	1	0	57.1	75.7	1.6	0.0	132.8	1	
9	0	446	1	-2	0	3	0	144.9	205.7	1.9	0.0	350.6	1	
10	0	476	2	-6	0	3	0	154.4	199.1	5.3	0.0	353.5	1	
11	0	363	1	-4	0	2	0	117.7	156.0	3.3	0.0	273.7	1	
12	0	241	1	-3	0	1	0	78.2	98.0	3.1	0.0	176.2	1	
13	0	463	1	-4	0	3	0	150.3	204.8	3.3	0.0	355.1	1	
14	0	373	2	-3	0	2	0	121.2	165.1	3.0	0.0	286.3	1	
15	0	337	1	-2	0	2	0	109.3	152.9	1.9	0.0	262.2	1	
16	0	175	1	-2	0	1	0	56.9	75.6	1.6	0.0	132.5	1	
17	0	452	1	-2	0	3	0	146.7	208.7	1.9	0.0	355.4	1	
1A	41	136	-0	2	0	1	0	44.1	76.0	2.0	0.0	120.1	1	
1E	41	285	-0	2	0	1	0	92.5	76.0	2.0	0.0	168.5	1	
1I	41	36	-0	4	0	5	1	11.6	360.6	4.1	0.0	372.2	1	
1M	41	385	-0	4	0	5	1	125.0	360.6	4.1	0.0	485.5	1	
2	41	481	0	-5	0	5	1	156.3	355.5	5.0	0.0	511.8	1	
3	41	364	0	-3	0	4	0	118.0	252.1	3.1	0.0	370.2	1	
4	41	244	0	-3	0	3	0	79.3	188.8	2.9	0.0	268.1	1	
5	41	463	0	-3	0	4	1	150.2	299.9	3.1	0.0	450.2	1	
6	41	376	0	-3	0	4	1	121.9	260.5	3.0	0.0	382.5	1	
7	41	335	0	-2	0	3	0	108.9	211.6	1.9	0.0	320.5	1	
8	41	176	0	-2	0	2	0	57.1	128.0	1.6	0.0	185.1	1	
9	41	446	0	-2	0	4	0	144.9	265.3	1.9	0.0	410.2	1	
10	41	476	0	-6	0	5	1	154.4	359.2	5.3	0.0	513.5	1	
11	41	363	0	-4	0	4	0	117.7	256.3	3.3	0.0	374.0	1	
12	41	241	0	-3	0	3	0	78.2	191.1	3.1	0.0	269.3	1	
13	41	463	0	-4	0	5	1	150.3	304.9	3.3	0.0	455.2	1	
14	41	373	0	-3	0	4	1	121.2	259.9	3.0	0.0	381.1	1	
15	41	337	0	-2	0	3	0	109.3	213.1	1.9	0.0	322.4	1	
16	41	175	0	-2	0	2	0	56.9	127.9	1.6	0.0	184.7	1	
17	41	452	0	-2	0	4	0	146.7	269.6	1.9	0.0	416.3	1	
1A	81	136	-1	2	0	-0	-0	44.1	5.9	2.0	0.0	50.0	1	
1E	81	285	-1	2	0	-0	-0	92.5	5.9	2.0	0.0	98.4	1	
1I	81	36	-1	4	0	7	1	11.6	497.6	4.1	0.0	509.2	1	
1M	81	385	-1	4	0	7	1	125.0	497.6	4.1	0.0	622.5	1	
2	81	481	-1	-5	0	7	1	156.3	493.9	5.0	0.0	650.2	1	
3	81	364	-1	-3	0	5	0	118.0	338.4	3.1	0.0	456.4	1	
4	81	244	-1	-3	0	4	0	79.3	268.4	2.9	0.0	347.7	1	
5	81	463	-1	-3	0	6	0	150.2	385.7	3.1	0.0	535.9	1	
6	81	376	-1	-3	0	5	0	121.9	341.8	3.0	0.0	463.8	1	
7	81	335	-1	-2	0	4	0	108.9	262.6	1.9	0.0	371.5	1	
8	81	176	-1	-2	0	3	0	57.1	171.6	1.6	0.0	228.7	1	
9	81	446	-1	-2	0	5	0	144.9	316.1	1.9	0.0	461.0	1	
10	81	476	-1	-6	0	8	1	154.4	505.2	5.3	0.0	659.6	1	
11	81	363	-1	-4	0	5	0	117.7	347.8	3.3	0.0	465.5	1	
12	81	241	-1	-3	0	4	0	78.2	275.5	3.1	0.0	353.7	1	
13	81	463	-1	-4	0	6	0	150.3	396.2	3.3	0.0	546.5	1	
14	81	373	-1	-3	0	5	0	121.2	339.7	3.0	0.0	460.9	1	
15	81	337	-1	-2	0	4	0	109.3	264.6	1.9	0.0	373.9	1	
16	81	175	-1	-2	0	3	0	56.9	171.4	1.6	0.0	228.2	1	
17	81	452	-1	-2	0	5	0	146.7	321.8	1.9	0.0	468.5	1	

ASTA NUM. 34 NI 36 NF 3 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.8866	0.9716	--	--	1.0303	5.8886 daN/m

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

1A	0	-304	1	1	0	-1	-0	98.6	51.5	0.7	0.0	150.2	1
1E	0	-136	1	1	0	-1	-0	44.2	51.5	0.7	0.0	95.7	1
1I	0	-415	1	1	0	0	0	134.9	15.9	0.9	0.0	150.8	1
1M	0	-25	1	1	0	0	0	8.0	15.9	0.9	0.0	23.9	1
2	0	-536	6	2	0	-3	-1	174.2	218.6	5.5	0.0	392.8	1
3	0	-404	4	1	0	-2	-0	131.0	169.6	3.4	0.0	300.6	1
4	0	-274	4	1	0	-2	-0	88.8	107.9	3.4	0.0	196.7	1
5	0	-512	4	1	0	-3	-1	166.1	222.0	3.4	0.0	388.1	1
6	0	-403	2	1	0	-3	-1	130.7	177.9	2.1	0.0	308.6	1
7	0	-361	1	1	0	-2	-0	117.3	164.0	1.3	0.0	281.3	1
8	0	-188	1	0	0	-1	-0	60.9	81.3	1.3	0.0	142.2	1
9	0	-482	1	1	0	-3	-1	156.5	222.6	1.3	0.0	379.1	1
10	0	-530	6	2	0	-3	-1	172.1	214.2	5.5	0.0	386.3	1
11	0	-402	4	1	0	-2	-0	130.6	168.2	3.4	0.0	298.8	1
12	0	-270	4	1	0	-2	-0	87.6	105.2	3.4	0.0	192.9	1
13	0	-512	4	1	0	-3	-1	166.1	221.3	3.4	0.0	387.4	1
14	0	-399	2	1	0	-3	-1	129.5	177.7	2.2	0.0	307.3	1
15	0	-363	1	1	0	-2	-0	117.7	165.1	1.3	0.0	282.8	1
16	0	-187	1	0	0	-1	-0	60.6	81.2	1.3	0.0	141.8	1
17	0	-488	1	1	0	-3	-1	158.4	225.8	1.3	0.0	384.2	1
1A	83	-302	-0	1	0	-1	0	98.0	61.2	0.7	0.0	159.3	1
1E	83	-134	-0	1	0	-1	0	43.6	61.2	0.7	0.0	104.9	1
1I	83	-414	-0	1	0	0	0	134.3	30.1	0.9	0.0	164.4	6
1M	83	-23	-0	1	0	0	0	7.4	30.1	0.9	0.0	37.5	6
2	83	-536	-0	1	0	-4	2	174.1	312.5	0.7	0.0	486.6	1
3	83	-403	-0	1	0	-3	1	130.9	230.4	0.6	0.0	361.3	1
4	83	-273	-0	0	0	-2	1	88.8	165.0	0.4	0.0	253.8	1
5	83	-511	-0	1	0	-4	1	166.0	286.2	0.8	0.0	452.2	1
6	83	-401	-0	1	0	-3	0	130.0	219.3	0.7	0.0	349.3	1
7	83	-360	-0	1	0	-3	0	116.9	193.2	0.6	0.0	310.1	1
8	83	-186	-0	0	0	-2	0	60.5	105.5	0.3	0.0	166.0	1
9	83	-481	-0	1	0	-4	-0	156.1	261.7	0.8	0.0	417.8	1
10	83	-530	-0	1	0	-4	2	172.0	307.9	0.7	0.0	479.9	1
11	83	-402	-0	1	0	-3	1	130.6	228.9	0.6	0.0	359.5	1
12	83	-270	-0	0	0	-2	1	87.6	162.2	0.3	0.0	249.7	1
13	83	-512	-0	1	0	-4	1	166.1	285.4	0.8	0.0	451.4	1
14	83	-397	-0	1	0	-3	0	128.8	220.0	0.7	0.0	348.9	1
15	83	-361	-0	1	0	-3	0	117.3	194.3	0.6	0.0	311.7	1
16	83	-185	-0	0	0	-2	0	60.2	105.4	0.3	0.0	165.6	1
17	83	-487	-0	1	0	-4	-0	158.1	265.5	0.8	0.0	423.6	1
1A	166	-300	-1	1	0	-1	-0	97.5	71.2	0.9	0.0	168.6	1
1E	166	-133	-1	1	0	-1	-0	43.1	71.2	0.9	0.0	114.2	1
1I	166	-412	-1	1	0	0	0	133.7	14.6	0.9	0.0	148.3	1
1M	166	-21	-1	1	0	0	0	6.8	14.6	0.9	0.0	21.5	1
2	166	-536	-6	-0	0	-4	-1	174.0	308.5	5.7	0.0	482.5	1
3	166	-403	-4	0	0	-3	-1	130.9	240.8	3.6	0.0	371.6	1
4	166	-273	-4	-0	0	-2	-0	88.7	151.5	3.5	0.0	240.2	1
5	166	-511	-4	0	0	-5	-1	166.0	317.0	3.6	0.0	482.9	1
6	166	-399	-3	1	0	-4	-1	129.4	260.2	2.3	0.0	389.6	1
7	166	-359	-2	1	0	-3	-1	116.5	239.4	1.5	0.0	355.8	1
8	166	-185	-2	0	0	-2	-0	60.1	119.7	1.4	0.0	179.8	1
9	166	-480	-2	1	0	-5	-1	155.7	324.5	1.5	0.0	480.2	1
10	166	-529	-6	-0	0	-4	-1	171.9	302.3	5.7	0.0	474.2	1
11	166	-402	-4	0	0	-3	-1	130.5	238.8	3.6	0.0	369.3	1
12	166	-270	-4	-0	0	-2	-0	87.5	147.8	3.5	0.0	235.3	1
13	166	-511	-4	0	0	-5	-1	166.0	315.9	3.6	0.0	481.9	1
14	166	-395	-3	1	0	-4	-1	128.1	260.0	2.4	0.0	388.1	1
15	166	-360	-2	1	0	-3	-1	116.9	240.8	1.5	0.0	357.8	1
16	166	-184	-2	0	0	-2	-0	59.8	119.5	1.4	0.0	179.3	1
17	166	-486	-2	1	0	-5	-1	157.7	329.0	1.5	0.0	486.7	1

ASTA NUM. 35 NI 28 NF 39 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1327	-0.2832	--	--	4.4058	2.9898 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-615	-12	-15	0	-69	20	58.0	625.9	4.1	0.0	683.9	1	
1E	0	511	-12	-15	0	-69	20	48.2	625.9	4.1	0.0	674.0	1	
1I	0	-396	-20	-1	0	-44	31	37.4	452.9	5.5	0.0	490.3	1	
1M	0	292	-20	-1	0	-44	31	27.5	452.9	5.5	0.0	480.4	1	
2	0	481	-23	-29	0	-172	34	45.3	1508.1	7.9	0.0	1553.5	1	
3	0	793	-16	-31	0	-141	22	74.8	1224.1	8.5	0.0	1298.8	1	
4	0	-507	-12	-8	0	-80	18	47.8	710.2	3.2	0.0	758.0	1	
5	0	1564	-18	-52	0	-195	24	147.5	1672.3	14.2	0.0	1819.8	1	
6	0	34	-16	-42	0	-151	28	3.2	1324.7	11.4	0.0	1327.9	1	
7	0	791	-13	-47	0	-149	19	74.6	1277.9	12.8	0.0	1352.5	1	
8	0	-918	-8	-16	0	-66	15	86.6	586.5	4.4	0.0	673.1	1	
9	0	1660	-15	-71	0	-209	21	156.6	1778.5	19.1	0.0	1935.1	1	
10	0	103	-24	-26	0	-165	35	9.7	1457.7	6.9	0.0	1467.4	1	
11	0	560	-16	-30	0	-138	23	52.8	1203.4	8.0	0.0	1256.2	1	
12	0	-731	-12	-6	0	-76	19	68.9	679.7	3.4	0.0	748.6	1	
13	0	1343	-19	-51	0	-193	25	126.7	1656.0	13.7	0.0	1782.7	1	
14	0	31	-16	-42	0	-151	28	3.0	1322.1	11.4	0.0	1325.1	1	
15	0	794	-13	-47	0	-150	19	74.9	1285.8	12.8	0.0	1360.7	1	
16	0	-898	-8	-16	0	-66	15	84.7	585.9	4.4	0.0	670.6	1	
17	0	1686	-16	-71	0	-212	22	159.1	1802.2	19.3	0.0	1961.2	1	
1A	88	-609	-16	-15	0	-62	8	57.4	535.4	4.3	0.0	592.8	1	
1E	88	517	-16	-15	0	-62	8	48.8	535.4	4.3	0.0	584.2	1	
1I	88	-390	-24	-1	0	-65	11	36.8	568.1	6.6	0.0	604.9	1	
1M	88	298	-24	-1	0	-65	11	28.1	568.1	6.6	0.0	596.2	1	
2	88	490	-27	-43	0	-139	12	46.3	1179.4	11.7	0.0	1225.7	1	
3	88	799	-18	-40	0	-109	7	75.3	919.3	10.9	0.0	994.6	1	
4	88	-501	-14	-17	0	-68	7	47.3	581.8	4.7	0.0	629.1	1	
5	88	1570	-20	-61	0	-145	7	148.1	1209.4	16.5	0.0	1357.5	1	
6	88	43	-21	-46	0	-113	11	4.1	957.1	12.3	0.0	961.2	1	
7	88	796	-16	-49	0	-106	7	75.1	889.9	13.4	0.0	965.0	1	
8	88	-912	-11	-18	0	-51	6	86.1	436.8	5.0	0.0	522.9	1	
9	88	1666	-18	-73	0	-146	6	157.1	1214.0	19.7	0.0	1371.1	1	
10	88	113	-28	-40	0	-136	13	10.6	1152.6	10.8	0.0	1163.2	1	
11	88	566	-19	-38	0	-108	8	53.4	909.9	10.4	0.0	963.3	1	
12	88	-725	-15	-15	0	-66	7	68.4	565.7	4.1	0.0	634.0	1	
13	88	1349	-21	-60	0	-144	7	127.3	1203.0	16.1	0.0	1330.3	1	
14	88	41	-21	-46	0	-112	11	3.9	955.5	12.3	0.0	959.4	1	
15	88	799	-16	-50	0	-107	7	75.4	895.4	13.4	0.0	970.8	1	
16	88	-892	-11	-18	0	-51	6	84.2	436.3	5.0	0.0	520.5	1	
17	88	1692	-19	-74	0	-148	6	159.6	1230.4	19.9	0.0	1390.0	1	
1A	177	-602	-20	-15	0	-56	-8	56.8	482.0	5.4	0.0	538.8	1	
1E	177	523	-20	-15	0	-56	-8	49.3	482.0	5.4	0.0	531.4	1	
1I	177	-384	-28	-1	0	-87	-12	36.2	747.6	7.6	0.0	783.8	1	
1M	177	304	-28	-1	0	-87	-12	28.7	747.6	7.6	0.0	776.3	1	
2	177	500	-31	-58	0	-95	-14	47.2	818.5	15.6	0.0	865.6	1	
3	177	805	-21	-49	0	-70	-10	75.9	603.9	13.3	0.0	679.8	1	
4	177	-495	-17	-26	0	-49	-7	46.7	424.4	7.1	0.0	471.1	1	
5	177	1576	-23	-70	0	-87	-13	148.7	750.9	18.9	0.0	899.5	1	
6	177	52	-26	-49	0	-71	-10	4.9	609.5	13.3	0.0	614.4	1	
7	177	802	-19	-52	0	-61	-9	75.6	529.7	14.0	0.0	605.3	1	
8	177	-907	-14	-21	0	-34	-5	85.5	290.4	5.6	0.0	375.9	1	
9	177	1671	-22	-75	0	-80	-12	157.6	694.1	20.3	0.0	851.7	1	
10	177	122	-32	-54	0	-94	-13	11.5	814.7	14.6	0.0	826.2	1	
11	177	572	-21	-47	0	-70	-10	54.0	605.8	12.8	0.0	659.8	1	
12	177	-719	-17	-24	0	-49	-7	67.8	422.3	6.5	0.0	490.1	1	
13	177	1355	-24	-68	0	-87	-13	127.8	754.7	18.5	0.0	882.5	1	
14	177	51	-27	-49	0	-70	-10	4.8	607.8	13.3	0.0	612.6	1	
15	177	805	-19	-52	0	-62	-9	76.0	533.1	14.0	0.0	609.1	1	
16	177	-887	-14	-21	0	-34	-5	83.6	290.1	5.6	0.0	373.7	1	
17	177	1697	-22	-76	0	-82	-12	160.1	704.5	20.5	0.0	864.5	1	

ASTA NUM. 36 NI 40 NF 31 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1327	-0.2832	--	--	4.4058	2.9898 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-258	1	36	0	59	-3	24.4	491.3	9.7	0.0	515.7	1	
1E	0	692	1	36	0	59	-3	65.3	491.3	9.7	0.0	556.6	1	
1I	0	66	-0	53	0	91	2	6.2	750.9	14.4	0.0	757.1	1	
1M	0	368	-0	53	0	91	2	34.7	750.9	14.4	0.0	785.6	1	
2	0	-97	0	31	0	83	-12	9.1	720.0	8.3	0.0	729.1	1	
3	0	-482	-2	4	0	37	-5	45.4	315.4	1.1	0.0	360.8	1	
4	0	684	1	23	0	53	-8	64.6	459.5	6.1	0.0	524.1	1	
5	0	-1140	-5	-21	0	12	-2	107.5	100.0	5.5	0.0	207.6	1	
6	0	269	2	40	0	74	-10	25.3	641.4	10.8	0.0	666.7	1	
7	0	-488	-2	2	0	23	-3	46.0	196.9	0.5	0.0	242.9	1	
8	0	1042	2	28	0	47	-7	98.3	409.6	7.7	0.0	507.9	1	
9	0	-1231	-5	-25	0	-5	1	116.1	40.7	6.9	0.0	156.8	1	
10	0	273	1	44	0	99	-14	25.7	856.5	11.8	0.0	882.2	1	
11	0	-251	-1	12	0	47	-7	23.7	405.3	3.3	0.0	428.9	1	
12	0	903	2	31	0	63	-9	85.2	544.8	8.3	0.0	630.0	1	
13	0	-920	-4	-12	0	22	-3	86.8	191.8	3.2	0.0	278.6	1	
14	0	266	2	40	0	74	-10	25.1	639.6	10.8	0.0	664.7	1	
15	0	-488	-2	2	0	23	-3	46.0	200.5	0.5	0.0	246.5	1	
16	0	1022	2	28	0	47	-7	96.4	408.7	7.7	0.0	505.2	1	
17	0	-1249	-5	-25	0	-3	1	117.8	30.2	6.7	0.0	148.1	1	
1A	88	-252	-3	36	0	27	-3	23.8	233.2	9.7	0.0	257.0	1	
1E	88	699	-3	36	0	27	-3	65.9	233.2	9.7	0.0	299.1	1	
1I	88	72	-4	53	0	44	1	6.8	362.1	14.4	0.0	369.0	1	
1M	88	374	-4	53	0	44	1	35.3	362.1	14.4	0.0	397.5	1	
2	88	-87	-4	45	0	50	-14	8.2	450.9	12.1	0.0	459.1	1	
3	88	-476	-4	13	0	29	-8	44.9	263.3	3.4	0.0	308.1	1	

4	88	690	-1	31	0	29	-8	65.1	263.9	8.5	0.0	329.0	1
5	88	-1134	-7	-12	0	26	-7	107.0	233.3	3.2	0.0	340.3	1
6	88	278	-3	44	0	37	-11	26.2	340.6	11.8	0.0	366.8	1
7	88	-482	-5	4	0	20	-6	45.5	186.9	1.4	0.0	232.4	1
8	88	1048	-1	31	0	21	-6	98.8	193.8	8.3	0.0	292.7	1
9	88	-1226	-9	-23	0	17	-5	115.6	154.3	6.3	0.0	269.9	1
10	88	283	-3	58	0	54	-15	26.7	490.8	15.6	0.0	517.4	1
11	88	-245	-4	21	0	32	-9	23.1	290.6	5.7	0.0	313.7	1
12	88	909	-1	40	0	32	-9	85.8	288.9	10.7	0.0	374.7	1
13	88	-914	-7	-3	0	29	-8	86.2	261.6	1.9	0.0	347.8	1
14	88	276	-3	43	0	37	-11	26.0	339.1	11.7	0.0	365.2	1
15	88	-482	-5	4	0	21	-6	45.5	188.7	1.4	0.0	234.2	1
16	88	1028	-1	31	0	21	-6	96.9	193.5	8.3	0.0	290.5	1
17	88	-1244	-9	-22	0	17	-6	117.3	159.9	6.1	0.0	277.2	1
1A	177	-246	-7	36	0	-4	-7	23.2	73.6	9.7	0.0	96.8	6
1E	177	705	-7	36	0	-4	-7	66.5	73.6	9.7	0.0	140.1	6
1I	177	79	-8	53	0	-3	-3	7.4	37.2	14.4	0.0	44.6	6
1M	177	381	-8	53	0	-3	-3	35.9	37.2	14.4	0.0	73.1	6
2	177	-77	-8	59	0	4	-19	7.3	165.5	16.0	0.0	172.8	6
3	177	-470	-7	22	0	14	-13	44.3	153.4	5.8	0.0	197.7	1
4	177	697	-4	40	0	-2	-10	65.7	87.7	10.9	0.0	153.4	6
5	177	-1128	-10	-3	0	32	-15	106.4	308.8	2.7	0.0	415.2	1
6	177	287	-8	47	0	-3	-16	27.0	143.0	12.7	0.0	170.0	6
7	177	-477	-8	6	0	16	-12	45.0	169.2	2.3	0.0	214.2	1
8	177	1053	-4	33	0	-7	-8	99.3	88.6	8.9	0.0	188.0	6
9	177	-1220	-12	-21	0	36	-14	115.1	341.6	5.7	0.0	456.7	1
10	177	292	-7	72	0	-3	-19	27.6	168.6	19.5	0.0	196.1	6
11	177	-239	-6	30	0	9	-13	22.5	138.5	8.1	0.0	161.1	6
12	177	915	-3	48	0	-7	-10	86.3	104.9	13.1	0.0	191.2	6
13	177	-908	-9	6	0	28	-15	85.7	273.7	2.5	0.0	359.4	1
14	177	285	-9	47	0	-3	-16	26.9	142.5	12.7	0.0	169.4	6
15	177	-477	-8	6	0	16	-12	45.0	169.4	2.3	0.0	214.3	1
16	177	1033	-4	33	0	-7	-8	97.5	88.3	8.9	0.0	185.8	6
17	177	-1238	-12	-20	0	36	-15	116.8	342.3	5.5	0.0	459.1	1

ASTA NUM. 37 NI 38 NF 39 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-314	1	6	0	3	0	102.0	174.9	5.6	0.0	276.9	1	
1E	0	-161	1	6	0	3	0	52.4	174.9	5.6	0.0	227.3	1	
1I	0	-421	0	11	0	6	0	136.7	370.8	10.4	0.0	507.5	1	
1M	0	-54	0	11	0	6	0	17.7	370.8	10.4	0.0	388.5	1	
2	0	-491	1	9	0	3	0	159.4	230.3	8.7	0.0	389.7	1	
3	0	-368	0	6	0	2	0	119.4	102.6	5.2	0.0	222.0	1	
4	0	-247	0	6	0	2	0	80.1	156.9	5.2	0.0	237.0	1	
5	0	-465	1	5	0	1	0	150.9	36.9	4.9	0.0	187.8	1	
6	0	-410	1	5	0	1	0	133.1	86.9	5.0	0.0	220.0	1	
7	0	-355	1	3	0	-0	-0	115.2	9.4	2.9	0.0	124.6	1	
8	0	-194	1	3	0	1	0	63.0	67.5	2.8	0.0	130.5	1	
9	0	-463	1	3	0	-1	-0	150.4	82.1	2.5	0.0	232.5	1	
10	0	-491	1	10	0	4	0	159.4	259.8	9.2	0.0	419.1	1	
11	0	-371	0	6	0	2	0	120.5	121.4	5.6	0.0	241.8	1	
12	0	-247	0	6	0	3	0	80.2	175.3	5.5	0.0	255.5	1	
13	0	-469	0	6	0	1	0	152.4	55.8	5.3	0.0	208.1	1	
14	0	-411	1	5	0	1	0	133.3	85.2	5.0	0.0	218.5	1	
15	0	-358	1	3	0	-0	-0	116.2	9.2	2.9	0.0	125.4	1	
16	0	-194	1	3	0	1	0	63.0	67.3	2.8	0.0	130.3	1	
17	0	-471	1	3	0	-1	-0	153.0	81.5	2.6	0.0	234.4	1	
1A	41	-314	-0	6	0	0	0	102.0	16.0	5.6	0.0	118.0	6	
1E	41	-161	-0	6	0	0	0	52.4	16.0	5.6	0.0	68.3	6	
1I	41	-421	-1	11	0	1	0	136.7	64.8	10.4	0.0	201.5	1	
1M	41	-54	-1	11	0	1	0	17.7	64.8	10.4	0.0	82.5	1	
2	41	-491	-1	9	0	-0	0	159.4	27.6	8.7	0.0	187.0	1	
3	41	-368	-0	6	0	-1	0	119.4	50.7	5.2	0.0	170.1	1	
4	41	-247	-0	6	0	0	0	80.1	14.3	5.2	0.0	94.5	6	
5	41	-465	-0	5	0	-2	0	150.9	103.9	4.9	0.0	254.8	1	
6	41	-410	-0	5	0	-1	0	133.1	61.6	5.0	0.0	194.7	1	
7	41	-355	-0	3	0	-1	0	115.2	91.0	2.9	0.0	206.2	1	
8	41	-194	-0	3	0	-0	0	63.0	18.4	2.8	0.0	81.3	1	
9	41	-463	-0	3	0	-2	0	150.4	150.3	2.5	0.0	300.6	1	
10	41	-491	-1	10	0	-0	0	159.4	20.0	9.2	0.0	179.4	6	
11	41	-371	-0	6	0	-1	0	120.5	42.3	5.6	0.0	162.7	1	
12	41	-247	-0	6	0	0	0	80.2	20.7	5.5	0.0	100.9	1	
13	41	-469	-0	6	0	-1	0	152.4	95.7	5.3	0.0	248.1	1	
14	41	-411	-0	5	0	-1	0	133.3	62.5	5.0	0.0	195.8	1	
15	41	-358	-0	3	0	-1	0	116.2	91.4	2.9	0.0	207.6	1	
16	41	-194	-0	3	0	-0	0	63.0	18.4	2.8	0.0	81.4	1	
17	41	-471	-0	3	0	-2	0	153.0	151.5	2.6	0.0	304.5	1	
1A	81	-314	-1	6	0	-2	-0	102.0	161.1	5.6	0.0	263.1	1	
1E	81	-161	-1	6	0	-2	-0	52.4	161.1	5.6	0.0	213.5	1	
1I	81	-421	-2	11	0	-4	-0	136.7	251.2	10.4	0.0	387.9	1	
1M	81	-54	-2	11	0	-4	-0	17.7	251.2	10.4	0.0	268.9	1	
2	81	-491	-2	9	0	-4	-0	159.4	274.2	8.7	0.0	433.5	1	
3	81	-368	-1	6	0	-3	-0	119.4	201.0	5.2	0.0	320.4	1	
4	81	-247	-1	6	0	-2	-0	80.1	143.1	5.2	0.0	223.2	1	
5	81	-465	-1	5	0	-4	-0	150.9	248.2	4.9	0.0	399.1	1	
6	81	-410	-2	5	0	-3	-0	133.1	202.8	5.0	0.0	335.9	1	
7	81	-355	-1	3	0	-3	-0	115.2	174.6	2.9	0.0	289.8	1	
8	81	-194	-1	3	0	-1	-0	63.0	97.4	2.8	0.0	160.3	1	
9	81	-463	-1	3	0	-3	-0	150.4	227.5	2.5	0.0	377.8	1	
10	81	-491	-2	10	0	-4	-0	159.4	273.3	9.2	0.0	432.6	1	
11	81	-371	-1	6	0	-3	-0	120.5	201.9	5.6	0.0	322.3	1	
12	81	-247	-1	6	0	-2	-0	80.2	142.6	5.5	0.0	222.8	1	
13	81	-469	-1	6	0	-4	-0	152.4	249.7	5.3	0.0	402.1	1	
14	81	-411	-2	5	0	-3	-0	133.3	202.0	5.0	0.0	335.4	1	
15	81	-358	-1	3	0	-3	-0	116.2	175.6	2.9	0.0	291.7	1	
16	81	-194	-1	3	0	-1	-0	63.0	97.2	2.8	0.0	160.2	1	
17	81	-471	-1	3	0	-3	-0	153.0	230.7	2.6	0.0	383.7	1	

ASTA NUM. 38 NI 39 NF 3 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7111	-0.1778	--	--	1.0303	0.1414 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	176	1	1	0	-1	0	57.0	74.5	0.9	0.0	131.5	1	
1E	0	352	1	1	0	-1	0	114.4	74.5	0.9	0.0	188.9	1	
1I	0	64	1	1	0	0	1	20.6	50.5	1.4	0.0	71.1	6	
1M	0	464	1	1	0	0	1	150.8	50.5	1.4	0.0	201.3	6	
2	0	541	1	-4	0	-4	1	175.7	285.5	4.1	0.0	461.3	1	
3	0	405	1	-3	0	-3	1	131.5	210.8	2.4	0.0	342.2	1	
4	0	274	1	-3	0	-2	0	88.8	148.1	2.7	0.0	236.9	1	
5	0	511	1	-2	0	-4	1	165.8	262.2	2.2	0.0	428.1	1	
6	0	453	1	-0	0	-3	1	147.0	213.9	1.3	0.0	360.9	1	
7	0	390	1	-0	0	-3	0	126.8	185.8	0.9	0.0	312.5	1	
8	0	216	1	-0	0	-1	0	70.0	102.1	0.8	0.0	172.0	1	
9	0	509	1	0	0	-4	1	165.2	243.4	0.9	0.0	408.5	1	
10	0	541	1	-4	0	-4	1	175.5	284.1	4.0	0.0	459.6	1	
11	0	408	1	-3	0	-3	1	132.4	211.4	2.4	0.0	343.8	1	
12	0	273	1	-3	0	-2	0	88.7	147.3	2.7	0.0	235.9	1	
13	0	515	1	-2	0	-4	1	167.3	263.6	2.2	0.0	430.9	1	
14	0	454	2	-0	0	-3	1	147.5	213.1	1.4	0.0	360.6	1	
15	0	394	1	-0	0	-3	0	127.9	186.8	0.9	0.0	314.7	1	
16	0	216	1	-0	0	-1	0	70.0	101.9	0.8	0.0	171.9	1	
17	0	518	1	0	0	-4	1	168.0	246.9	0.9	0.0	414.9	1	
1A	83	177	0	1	0	-1	1	57.6	104.8	0.8	0.0	162.4	1	
1E	83	354	0	1	0	-1	1	115.0	104.8	0.8	0.0	219.8	1	
1I	83	65	0	1	0	1	1	21.2	107.6	1.4	0.0	128.8	6	
1M	83	466	0	1	0	1	1	151.4	107.6	1.4	0.0	259.0	6	
2	83	544	1	2	0	-3	1	176.7	223.7	1.4	0.0	400.4	1	
3	83	407	0	1	0	-2	1	132.1	178.8	1.0	0.0	310.9	1	
4	83	275	0	1	0	-1	1	89.4	101.2	0.7	0.0	190.6	1	
5	83	513	0	1	0	-3	1	166.4	240.8	1.2	0.0	407.2	1	
6	83	455	0	1	0	-3	1	147.9	251.7	1.0	0.0	399.5	1	
7	83	392	0	1	0	-3	1	127.3	220.3	0.8	0.0	347.6	1	
8	83	217	0	1	0	-2	1	70.5	117.1	0.5	0.0	187.6	1	
9	83	510	0	1	0	-4	1	165.7	289.7	1.0	0.0	455.4	1	
10	83	544	1	2	0	-3	1	176.5	223.9	1.4	0.0	400.4	1	
11	83	410	0	1	0	-2	1	133.0	180.9	1.0	0.0	314.0	1	
12	83	275	0	1	0	-1	1	89.3	101.5	0.8	0.0	190.8	1	
13	83	517	0	1	0	-3	1	167.9	243.8	1.2	0.0	411.7	1	
14	83	457	0	1	0	-3	1	148.4	251.6	1.0	0.0	400.0	1	
15	83	395	0	1	0	-3	1	128.4	221.7	0.8	0.0	350.1	1	
16	83	217	0	1	0	-2	1	70.6	116.9	0.5	0.0	187.5	1	
17	83	519	0	1	0	-4	1	168.6	294.4	1.0	0.0	462.9	1	
1A	166	179	-1	1	0	-1	1	58.2	117.3	0.8	0.0	175.5	1	
1E	166	356	-1	1	0	-1	1	115.6	117.3	0.8	0.0	232.9	1	
1I	166	67	-1	1	0	1	2	21.8	119.1	1.4	0.0	140.9	6	
1M	166	468	-1	1	0	1	2	151.9	119.1	1.4	0.0	271.0	6	
2	166	547	0	7	0	-7	2	177.7	469.1	6.8	0.0	646.8	1	
3	166	409	0	5	0	-5	1	132.7	338.8	4.4	0.0	471.5	1	
4	166	277	0	4	0	-3	1	90.0	246.3	4.1	0.0	336.3	1	
5	166	514	0	5	0	-6	1	167.0	411.3	4.6	0.0	578.3	1	
6	166	458	-1	3	0	-5	1	148.7	347.6	2.4	0.0	496.4	1	
7	166	394	-0	2	0	-4	1	127.8	291.1	1.7	0.0	419.0	1	
8	166	219	-0	1	0	-2	1	71.0	168.5	1.3	0.0	239.5	1	
9	166	512	-0	2	0	-5	1	166.2	372.4	1.8	0.0	538.7	1	
10	166	547	0	7	0	-7	2	177.4	471.0	6.9	0.0	648.4	1	

11	166	412	0	5	0	-5	1	133.6	342.4	4.4	0.0	476.0	1
12	166	277	0	4	0	-3	1	89.9	247.6	4.2	0.0	337.5	1
13	166	519	0	5	0	-6	1	168.5	416.0	4.6	0.0	584.5	1
14	166	460	-1	3	0	-5	1	149.3	346.5	2.4	0.0	495.8	1
15	166	397	-0	2	0	-4	1	128.9	293.0	1.7	0.0	421.9	1
16	166	219	-0	1	0	-2	1	71.1	168.3	1.3	0.0	239.4	1
17	166	521	-0	2	0	-5	1	169.1	378.2	1.9	0.0	547.3	1

ASTA NUM. 39 NI 40 NF 41 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-317	1	1	0	-1	-0	102.8	60.5	1.2	0.0	163.3	1	
1E	0	-164	1	1	0	-1	-0	53.2	60.5	1.2	0.0	113.7	1	
1I	0	-424	0	6	0	0	0	137.5	29.6	6.0	0.0	167.2	1	
1M	0	-57	0	6	0	0	0	18.5	29.6	6.0	0.0	48.2	1	
2	0	-404	2	-9	0	-4	-0	131.3	231.6	8.8	0.0	362.9	1	
3	0	-167	1	-6	0	-2	-0	54.2	103.0	5.4	0.0	157.2	1	
4	0	-259	1	-6	0	-2	-0	83.9	147.3	5.2	0.0	231.2	1	
5	0	-28	1	-6	0	-1	-0	9.1	36.6	5.3	0.0	45.7	1	
6	0	-413	2	-5	0	-3	-0	134.2	203.4	5.0	0.0	337.7	1	
7	0	-128	1	-3	0	-1	-0	41.7	64.0	3.1	0.0	105.6	1	
8	0	-264	1	-3	0	-2	-0	85.6	129.4	2.8	0.0	215.0	1	
9	0	25	1	-3	0	0	0	8.2	9.3	3.0	0.0	17.5	1	
10	0	-494	2	-10	0	-4	-0	160.5	274.1	9.2	0.0	434.6	1	
11	0	-226	1	-6	0	-2	-0	73.5	131.0	5.7	0.0	204.4	1	
12	0	-315	1	-6	0	-3	-0	102.1	173.8	5.4	0.0	275.9	1	
13	0	-89	1	-6	0	-1	-0	28.8	65.1	5.6	0.0	93.8	1	
14	0	-414	2	-5	0	-3	-0	134.4	202.8	5.0	0.0	337.2	1	
15	0	-132	1	-3	0	-1	-0	42.7	65.0	3.1	0.0	107.7	1	
16	0	-264	1	-3	0	-2	-0	85.6	129.1	2.8	0.0	214.7	1	
17	0	17	1	-3	0	0	0	5.6	6.2	3.0	0.0	11.8	1	
1A	41	-317	-0	1	0	-2	0	102.8	100.9	1.2	0.0	203.8	1	
1E	41	-164	-0	1	0	-2	0	53.2	100.9	1.2	0.0	154.1	1	
1I	41	-424	-1	6	0	-2	0	137.5	150.6	6.0	0.0	288.2	1	
1M	41	-57	-1	6	0	-2	0	18.5	150.6	6.0	0.0	169.2	1	
2	41	-404	1	-9	0	0	0	131.3	30.1	8.8	0.0	161.4	1	
3	41	-167	0	-6	0	1	0	54.2	58.6	5.4	0.0	112.8	1	
4	41	-259	0	-6	0	0	0	83.9	12.7	5.2	0.0	96.6	6	
5	41	-28	0	-6	0	2	0	9.1	122.2	5.3	0.0	131.3	1	
6	41	-413	0	-5	0	-1	0	134.2	62.0	5.0	0.0	196.2	1	
7	41	-128	0	-3	0	0	0	41.7	29.2	3.1	0.0	70.9	1	
8	41	-264	0	-3	0	-1	0	85.6	49.5	2.8	0.0	135.1	1	
9	41	25	0	-3	0	1	0	8.2	99.6	3.0	0.0	107.8	1	
10	41	-494	1	-10	0	-0	0	160.5	20.2	9.2	0.0	180.7	6	
11	41	-226	0	-6	0	1	0	73.5	39.1	5.7	0.0	112.5	1	
12	41	-315	0	-6	0	-0	0	102.1	19.3	5.4	0.0	121.4	1	
13	41	-89	0	-6	0	1	0	28.8	102.5	5.6	0.0	131.3	1	
14	41	-414	0	-5	0	-1	0	134.4	63.0	5.0	0.0	197.3	1	
15	41	-132	0	-3	0	0	0	42.7	28.8	3.1	0.0	71.5	1	
16	41	-264	0	-3	0	-1	0	85.6	49.3	2.8	0.0	135.0	1	
17	41	17	0	-3	0	1	0	5.6	98.4	3.0	0.0	104.1	1	
1A	81	-317	-1	1	0	-2	-0	102.8	143.4	1.2	0.0	246.2	1	
1E	81	-164	-1	1	0	-2	-0	53.2	143.4	1.2	0.0	196.6	1	
1I	81	-424	-1	6	0	-5	-0	137.5	339.2	6.0	0.0	476.8	1	
1M	81	-57	-1	6	0	-5	-0	18.5	339.2	6.0	0.0	357.7	1	
2	81	-404	-1	-9	0	4	0	131.3	277.9	8.8	0.0	409.2	1	
3	81	-167	-0	-6	0	3	0	54.2	211.6	5.4	0.0	265.7	1	
4	81	-259	-0	-6	0	2	0	83.9	153.6	5.2	0.0	237.5	1	
5	81	-28	-0	-6	0	4	0	9.1	272.3	5.3	0.0	281.3	1	
6	81	-413	-1	-5	0	1	0	134.2	86.6	5.0	0.0	220.9	1	
7	81	-128	-1	-3	0	2	0	41.7	113.6	3.1	0.0	155.3	1	
8	81	-264	-1	-3	0	1	0	85.6	33.6	2.8	0.0	119.2	1	
9	81	25	-1	-3	0	3	0	8.2	181.2	3.0	0.0	189.4	1	
10	81	-494	-1	-10	0	4	0	160.5	259.5	9.2	0.0	419.9	1	
11	81	-226	-0	-6	0	3	0	73.5	200.3	5.7	0.0	273.8	1	
12	81	-315	-0	-6	0	2	0	102.1	142.1	5.4	0.0	244.3	1	
13	81	-89	-0	-6	0	4	0	28.8	261.3	5.6	0.0	290.0	1	
14	81	-414	-1	-5	0	1	0	134.4	85.0	5.0	0.0	219.4	1	
15	81	-132	-1	-3	0	2	0	42.7	113.8	3.1	0.0	156.5	1	
16	81	-264	-1	-3	0	1	0	85.6	33.6	2.8	0.0	119.2	1	
17	81	17	-1	-3	0	3	0	5.6	181.9	3.0	0.0	187.6	1	

ASTA NUM. 40 NI 40 NF 4 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7111	-0.1778	--	--	1.0303	0.1414 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	178	1	-0	0	2	0	57.9	167.7	0.9	0.0	225.6	1	
1E	0	355	1	-0	0	2	0	115.3	167.7	0.9	0.0	283.0	1	
1I	0	66	1	0	0	4	1	21.5	257.4	0.8	0.0	278.9	1	
1M	0	467	1	0	0	4	1	151.7	257.4	0.8	0.0	409.1	1	
2	0	447	1	5	0	3	1	145.2	239.5	4.2	0.0	384.6	1	
3	0	186	0	3	0	2	0	60.5	104.5	2.8	0.0	165.0	1	
4	0	286	1	3	0	2	0	92.9	152.7	2.6	0.0	245.6	1	
5	0	35	0	3	0	0	0	11.4	32.6	3.1	0.0	44.0	1	
6	0	456	1	0	0	3	1	148.2	214.7	1.3	0.0	362.9	1	
7	0	144	1	1	0	1	0	46.8	65.8	0.8	0.0	112.5	1	
8	0	292	1	0	0	2	0	94.6	136.9	0.8	0.0	231.6	1	
9	0	-23	1	1	0	-0	-0	7.5	13.5	0.8	0.0	21.0	1	
10	0	544	1	4	0	4	1	176.7	285.1	4.0	0.0	461.8	1	
11	0	250	1	3	0	2	0	81.3	134.5	2.7	0.0	215.8	1	
12	0	347	1	3	0	3	0	112.6	181.2	2.5	0.0	293.8	1	
13	0	101	0	3	0	1	0	32.7	63.2	2.9	0.0	95.9	1	
14	0	458	2	0	0	3	1	148.6	214.0	1.4	0.0	362.6	1	
15	0	147	1	1	0	1	0	47.8	66.9	0.8	0.0	114.7	1	
16	0	292	1	0	0	2	0	94.6	136.6	0.8	0.0	231.2	1	
17	0	-14	1	1	0	-0	-0	4.7	10.2	0.8	0.0	14.9	1	
1A	83	180	0	-0	0	3	1	58.5	230.5	0.2	0.0	289.0	1	
1E	83	357	0	-0	0	3	1	115.9	230.5	0.2	0.0	346.4	1	
1I	83	68	0	0	0	5	1	22.1	355.8	0.3	0.0	377.9	1	
1M	83	469	0	0	0	5	1	152.2	355.8	0.3	0.0	508.0	1	
2	83	450	1	-1	0	2	1	146.2	167.6	1.2	0.0	313.8	1	
3	83	188	0	-1	0	1	1	61.1	50.9	0.6	0.0	112.0	6	
4	83	288	0	-1	0	1	1	93.5	107.6	0.8	0.0	201.1	1	
5	83	37	0	-0	0	-1	0	12.0	56.6	0.3	0.0	68.7	1	
6	83	459	0	-1	0	3	1	149.0	253.0	1.0	0.0	402.1	1	
7	83	146	0	-0	0	1	1	47.3	73.9	0.4	0.0	121.2	1	
8	83	293	0	-1	0	2	1	95.2	160.5	0.6	0.0	255.7	1	
9	83	-21	0	-0	0	-1	0	6.9	40.7	0.1	0.0	47.6	1	
10	83	547	1	-2	0	3	1	177.7	225.4	1.4	0.0	403.1	1	
11	83	252	0	-1	0	1	1	81.9	87.2	0.7	0.0	169.1	1	
12	83	349	0	-1	0	2	1	113.2	143.7	0.9	0.0	256.9	1	
13	83	103	0	-0	0	-0	0	33.3	34.1	0.5	0.0	67.4	6	
14	83	461	0	-1	0	3	1	149.6	253.0	1.0	0.0	402.6	1	
15	83	149	0	-0	0	1	1	48.4	75.3	0.4	0.0	123.7	1	
16	83	293	0	-1	0	2	1	95.2	160.1	0.6	0.0	255.3	1	
17	83	-13	0	-0	0	-0	0	4.2	37.0	0.2	0.0	41.2	1	
1A	166	182	-1	-0	0	4	1	59.1	275.6	0.6	0.0	334.7	1	
1E	166	359	-1	-0	0	4	1	116.4	275.6	0.6	0.0	392.0	1	
1I	166	70	-1	0	0	6	2	22.7	436.4	0.8	0.0	459.1	1	
1M	166	471	-1	0	0	6	2	152.8	436.4	0.8	0.0	589.3	1	
2	166	453	0	-7	0	6	1	147.1	403.1	6.7	0.0	550.2	1	
3	166	190	0	-4	0	3	1	61.7	185.6	4.0	0.0	247.3	1	
4	166	290	0	-5	0	4	1	94.1	254.6	4.2	0.0	348.7	1	
5	166	39	0	-4	0	1	0	12.6	79.8	3.7	0.0	92.4	1	
6	166	462	-1	-3	0	5	1	149.9	349.6	2.4	0.0	499.4	1	
7	166	147	-0	-1	0	2	1	47.8	118.3	1.2	0.0	166.1	1	
8	166	295	-0	-2	0	3	1	95.7	220.5	1.5	0.0	316.2	1	
9	166	-20	-0	-1	0	-0	0	6.4	15.1	0.9	0.0	21.5	6	
10	166	550	0	-7	0	7	2	178.6	473.0	6.9	0.0	651.7	1	
11	166	254	0	-4	0	3	1	82.5	231.8	4.1	0.0	314.3	1	
12	166	351	0	-5	0	4	1	113.8	298.1	4.3	0.0	411.9	1	
13	166	105	0	-4	0	2	1	33.9	127.0	3.9	0.0	160.9	1	
14	166	464	-1	-3	0	5	1	150.5	348.4	2.4	0.0	498.9	1	
15	166	151	-0	-1	0	2	1	48.9	120.1	1.2	0.0	169.0	1	
16	166	295	-0	-2	0	3	1	95.7	220.0	1.5	0.0	315.7	1	
17	166	-11	-0	-1	0	0	0	3.6	15.3	0.9	0.0	18.9	6	

ASTA NUM. 41 NI 27 NF 42 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-7.7354	-1.9339	--	--	4.4058	-5.2635 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5997	7	60	0	140	-2	565.8	1157.7	16.3	0.0	1723.5	1	
1E	0	-2381	7	60	0	140	-2	224.6	1157.7	16.3	0.0	1382.3	1	
1I	0	-5487	3	73	0	177	1	517.7	1456.1	19.8	0.0	1973.8	1	
1M	0	-2891	3	73	0	177	1	272.7	1456.1	19.8	0.0	1728.9	1	
2	0	-6978	5	66	0	178	-9	658.3	1484.9	17.9	0.0	2143.2	1	
3	0	-3010	1	24	0	66	-3	284.0	555.7	6.6	0.0	839.6	1	
4	0	-3788	4	43	0	116	-6	357.4	966.5	11.6	0.0	1323.9	1	
5	0	-840	-3	-3	0	-5	-0	79.3	40.8	0.8	0.0	120.1	1	
6	0	-7227	14	71	0	187	-10	681.8	1560.1	19.2	0.0	2241.9	1	

7	0	-2482	5	19	0	49	-3	234.2	409.6	5.1	0.0	643.7	1
8	0	-3807	9	46	0	121	-6	359.2	1011.7	12.4	0.0	1370.8	1
9	0	-105	1	-11	0	-30	1	9.9	248.1	3.1	0.0	258.0	1
10	0	-8358	8	83	0	222	-11	788.5	1851.4	22.4	0.0	2639.9	1
11	0	-3929	2	35	0	95	-5	370.7	796.4	9.6	0.0	1167.0	1
12	0	-4662	5	53	0	143	-7	439.8	1195.3	14.5	0.0	1635.1	1
13	0	-1792	-1	8	0	24	-1	169.1	205.2	2.3	0.0	374.2	1
14	0	-7213	14	71	0	186	-9	680.5	1556.6	19.2	0.0	2237.0	1
15	0	-2525	5	19	0	50	-3	238.2	418.7	5.2	0.0	656.9	1
16	0	-3815	9	46	0	121	-6	359.9	1009.9	12.4	0.0	1369.8	1
17	0	-249	1	-10	0	-27	1	23.5	221.4	2.7	0.0	244.9	1
1A	88	-5991	3	60	0	79	2	565.2	651.5	16.3	0.0	1216.7	1
1E	88	-2375	3	60	0	79	2	224.0	651.5	16.3	0.0	875.5	1
1I	88	-5481	-1	73	0	126	2	517.1	1041.6	19.8	0.0	1558.7	1
1M	88	-2885	-1	73	0	126	2	272.2	1041.6	19.8	0.0	1313.7	1
2	88	-6963	10	68	0	119	-2	656.8	979.0	18.3	0.0	1635.9	1
3	88	-3001	4	25	0	45	-1	283.1	369.3	6.8	0.0	652.4	1
4	88	-3779	7	44	0	77	-1	356.5	637.7	11.9	0.0	994.2	1
5	88	-831	0	-2	0	-3	-1	78.4	26.7	0.5	0.0	105.1	1
6	88	-7217	11	72	0	124	1	680.8	1017.4	19.3	0.0	1698.2	1
7	88	-2476	3	19	0	32	1	233.5	267.6	5.1	0.0	501.1	1
8	88	-3801	7	46	0	80	1	358.5	660.4	12.5	0.0	1018.9	1
9	88	-99	-1	-11	0	-20	1	9.3	165.2	3.0	0.0	174.5	1
10	88	-8343	13	84	0	147	-2	787.1	1216.9	22.8	0.0	2004.0	1
11	88	-3920	5	36	0	64	-1	369.8	525.5	9.8	0.0	895.3	1
12	88	-4653	8	54	0	95	-1	439.0	786.2	14.7	0.0	1225.2	1
13	88	-1783	2	9	0	17	-1	168.2	140.6	2.5	0.0	308.7	1
14	88	-7202	11	71	0	123	1	679.4	1015.9	19.3	0.0	1695.4	1
15	88	-2519	3	19	0	33	1	237.6	273.5	5.2	0.0	511.1	1
16	88	-3809	7	46	0	80	1	359.3	659.2	12.5	0.0	1018.5	1
17	88	-242	-1	-10	0	-18	1	22.8	148.1	2.7	0.0	170.9	1
1A	177	-5985	-1	60	0	17	3	564.6	149.1	16.3	0.0	713.7	1
1E	177	-2369	-1	60	0	17	3	223.5	149.1	16.3	0.0	372.6	1
1I	177	-5475	-5	73	0	75	-1	516.5	620.0	19.8	0.0	1136.5	1
1M	177	-2879	-5	73	0	75	-1	271.6	620.0	19.8	0.0	891.6	1
2	177	-6947	15	69	0	58	9	655.4	503.8	18.7	0.0	1159.2	1
3	177	-2991	7	26	0	22	3	282.2	189.1	7.1	0.0	471.3	1
4	177	-3769	10	45	0	38	6	355.6	329.2	12.1	0.0	684.8	1
5	177	-822	3	-1	0	-1	0	77.5	11.8	0.8	0.0	89.3	1
6	177	-7207	8	72	0	60	9	679.9	521.7	19.5	0.0	1201.6	1
7	177	-2469	1	19	0	15	3	232.9	134.8	5.2	0.0	367.7	1
8	177	-3794	5	47	0	39	6	357.9	339.9	12.6	0.0	697.8	1
9	177	-92	-3	-11	0	-10	-1	8.7	86.5	3.0	0.0	95.2	1
10	177	-8328	17	86	0	72	11	785.7	625.7	23.2	0.0	1411.4	1
11	177	-3911	8	37	0	31	5	369.0	269.0	10.1	0.0	637.9	1
12	177	-4644	11	55	0	47	7	438.1	405.3	15.0	0.0	843.4	1
13	177	-1773	5	10	0	8	1	167.3	69.9	2.8	0.0	237.2	1
14	177	-7191	7	72	0	60	9	678.4	520.8	19.4	0.0	1199.2	1
15	177	-2512	1	20	0	16	3	237.0	137.6	5.3	0.0	374.6	1
16	177	-3802	5	46	0	39	6	358.7	339.0	12.6	0.0	697.7	1
17	177	-236	-3	-10	0	-9	-1	22.2	78.1	2.6	0.0	100.3	1

ASTA NUM. 42 NI 43 NF 34 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	7.7354	1.9339	--	--	4.4058	14.0750 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2573	8	58	0	53	-3	242.7	444.8	15.6	0.0	687.5	1	
1E	0	6133	8	58	0	53	-3	578.6	444.8	15.6	0.0	1023.4	1	
1I	0	3239	3	87	0	77	1	305.6	635.3	23.6	0.0	940.9	1	
1M	0	5467	3	87	0	77	1	515.8	635.3	23.6	0.0	1151.1	1	
2	0	7049	26	68	0	58	-9	665.0	507.2	18.5	0.0	1172.2	1	
3	0	3478	14	26	0	21	-3	328.1	185.2	7.1	0.0	513.3	1	
4	0	4738	17	43	0	38	-6	447.0	326.1	11.7	0.0	773.1	1	
5	0	2094	10	-0	0	-4	0	197.5	31.8	2.7	0.0	229.3	1	
6	0	7304	19	71	0	61	-9	689.1	524.9	19.3	0.0	1214.0	1	
7	0	3184	8	20	0	15	-2	300.4	127.4	5.3	0.0	427.7	1	
8	0	4994	12	45	0	39	-6	471.1	335.2	12.1	0.0	806.4	1	
9	0	1672	4	-10	0	-13	2	157.7	112.7	2.7	0.0	270.4	1	
10	0	8352	29	85	0	73	-11	787.9	636.2	23.0	0.0	1424.1	1	
11	0	4345	16	37	0	31	-5	409.9	269.6	10.1	0.0	679.5	1	
12	0	5541	18	54	0	47	-7	522.7	406.7	14.5	0.0	929.5	1	
13	0	2972	12	11	0	6	-1	280.4	54.6	3.2	0.0	335.0	1	
14	0	7317	19	71	0	61	-9	690.3	525.8	19.3	0.0	1216.1	1	
15	0	3243	8	20	0	15	-3	305.9	131.9	5.4	0.0	437.9	1	
16	0	4985	12	45	0	39	-6	470.3	336.3	12.2	0.0	806.5	1	
17	0	1795	4	-9	0	-12	1	169.3	101.8	2.3	0.0	271.1	1	
1A	88	2579	4	58	0	1	2	243.3	18.7	15.6	0.0	262.0	6	
1E	88	6139	4	58	0	1	2	579.2	18.7	15.6	0.0	597.9	6	
1I	88	3245	-1	87	0	-0	2	306.1	17.6	23.6	0.0	323.7	6	
1M	88	5473	-1	87	0	-0	2	516.3	17.6	23.6	0.0	533.9	6	
2	88	7051	11	70	0	-3	7	665.2	67.0	18.9	0.0	732.2	6	
3	88	3480	4	27	0	-2	5	328.3	45.1	7.4	0.0	373.3	6	
4	88	4739	7	44	0	-1	4	447.1	40.3	12.0	0.0	487.4	6	
5	88	2096	0	0	0	-4	5	197.7	51.1	0.1	0.0	248.8	6	
6	88	7311	11	72	0	-3	4	689.7	38.1	19.4	0.0	727.9	6	
7	88	3189	3	20	0	-3	2	300.8	30.6	5.4	0.0	331.4	1	
8	88	4998	7	45	0	-1	2	471.6	22.3	12.2	0.0	493.9	6	
9	88	1677	-1	-10	0	-4	3	158.2	43.9	2.7	0.0	202.1	1	
10	88	8355	13	86	0	-2	7	788.2	65.4	23.4	0.0	853.6	6	
11	88	4346	6	38	0	-2	5	410.0	44.2	10.3	0.0	454.2	6	
12	88	5542	8	55	0	-1	4	522.9	39.3	14.8	0.0	562.2	6	
13	88	2974	2	12	0	-4	5	280.5	50.2	3.1	0.0	330.7	6	
14	88	7325	11	72	0	-3	4	691.0	39.2	19.4	0.0	730.3	6	
15	88	3248	3	20	0	-3	2	306.4	30.4	5.5	0.0	336.7	1	
16	88	4989	7	45	0	-1	2	470.7	22.1	12.2	0.0	492.8	6	
17	88	1800	-1	-8	0	-4	3	169.8	43.8	2.3	0.0	213.6	1	
1A	177	2585	-0	58	0	-52	3	243.8	437.2	15.6	0.0	681.1	1	
1E	177	6145	-0	58	0	-52	3	579.7	437.2	15.6	0.0	1017.0	1	
1I	177	3251	-4	87	0	-78	-0	306.7	640.6	23.6	0.0	947.3	1	
1M	177	5479	-4	87	0	-78	-0	516.9	640.6	23.6	0.0	1157.5	1	
2	177	7053	-5	71	0	-65	10	665.4	564.1	19.3	0.0	1229.5	1	
3	177	3481	-6	28	0	-27	4	328.4	233.6	7.6	0.0	562.0	1	
4	177	4741	-3	45	0	-41	6	447.3	353.8	12.3	0.0	801.0	1	
5	177	2097	-10	1	0	-5	1	197.8	40.3	2.6	0.0	238.1	1	
6	177	7318	3	72	0	-66	10	690.4	571.5	19.5	0.0	1261.9	1	
7	177	3193	-2	20	0	-20	3	301.2	177.0	5.4	0.0	478.2	1	
8	177	5003	2	45	0	-41	6	472.0	356.4	12.3	0.0	828.4	1	
9	177	1681	-6	-10	0	4	-0	158.6	36.5	2.6	0.0	195.0	1	
10	177	8357	-3	88	0	-79	12	788.4	687.3	23.8	0.0	1475.7	1	
11	177	4348	-4	39	0	-36	5	410.2	314.8	10.6	0.0	725.0	1	
12	177	5544	-2	56	0	-50	7	523.0	430.9	15.0	0.0	953.9	1	
13	177	2975	-8	13	0	-14	2	280.7	123.4	3.4	0.0	404.1	1	
14	177	7333	2	72	0	-66	10	691.8	571.6	19.5	0.0	1263.4	1	
15	177	3252	-2	21	0	-21	3	306.8	181.0	5.6	0.0	487.8	1	
16	177	4994	2	45	0	-41	6	471.1	356.6	12.3	0.0	827.7	1	
17	177	1804	-6	-8	0	3	-0	170.2	25.8	2.2	0.0	196.0	1	

ASTA NUM. 43 NI 41 NF 42 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	137	1	5	0	5	0	44.5	358.3	4.8	0.0	402.8	1	
1E	0	286	1	5	0	5	0	92.9	358.3	4.8	0.0	451.2	1	
1I	0	37	0	7	0	8	1	12.0	499.3	6.9	0.0	511.3	1	
1M	0	386	0	7	0	8	1	125.4	499.3	6.9	0.0	624.7	1	
2	0	393	1	5	0	7	1	127.7	447.4	4.9	0.0	575.1	1	
3	0	160	1	3	0	3	0	51.9	229.5	2.9	0.0	281.5	1	
4	0	253	1	3	0	4	0	82.2	276.0	2.9	0.0	358.2	1	
5	0	25	1	3	0	2	0	8.1	149.2	2.6	0.0	157.3	1	
6	0	377	1	3	0	5	0	122.4	344.0	3.1	0.0	466.4	1	
7	0	105	1	2	0	2	0	34.2	140.0	1.7	0.0	174.2	1	
8	0	243	1	2	0	3	0	78.8	210.9	1.8	0.0	289.7	1	
9	0	-43	1	1	0	1	0	14.1	51.6	1.4	0.0	65.7	1	
10	0	477	1	6	0	8	1	154.9	507.5	5.3	0.0	662.5	1	
11	0	215	1	3	0	4	0	69.8	269.4	3.2	0.0	339.2	1	
12	0	306	1	3	0	5	0	99.3	313.5	3.2	0.0	412.8	1	
13	0	81	1	3	0	3	0	26.2	190.1	2.9	0.0	216.3	1	
14	0	375	1	3	0	5	0	121.6	342.0	3.0	0.0	463.7	1	
15	0	107	1	2	0	2	0	34.6	141.9	1.7	0.0	176.5	1	
16	0	241	1	2	0	3	0	78.4	210.6	1.8	0.0	289.0	1	
17	0	-38	1	2	0	1	0	12.4	57.2	1.4	0.0	69.6	1	
1A	41	137	-0	5	0	3	0	44.5	206.1	4.8	0.0	250.6	1	
1E	41	286	-0	5	0	3	0	92.9	206.1	4.8	0.0	299.0	1	
1I	41	37	-1	7	0	5	1	12.0	362.0	6.9	0.0	374.0	1	
1M	41	386	-1	7	0	5	1	125.4	362.0	6.9	0.0	487.4	1	
2	41	393	-0	5	0	5	1	127.7	311.4	4.9	0.0	439.1	1	
3	41	160	-0	3	0	2	0	51.9	149.4	2.9	0.0	201.3	1	
4	41	253	-0	3	0	3	0	82.2	195.2	2.9	0.0	277.4	1	
5	41	25	-0	3	0	1	0	8.1	76.9	2.6	0.0	84.9	1	
6	41	377	-0	3	0	4	1	122.4	262.3	3.1	0.0	384.7	1	
7	41	105	-0	2	0	1	0	34.2	95.7	1.7	0.0	129.9	1	
8	41	243	-0	2	0	2	0	78.8	164.2	1.8	0.0	243.0	1	
9	41	-43	-0	1	0	0	0	14.1	16.4	1.4	0.0	30.5	6	
10	41	477	-0	6	0	5	1	154.9	361.1	5.3	0.0	516.0	1	
11	41	215	-0	3	0	3	0	69.8	182.2	3.2	0.0	252.0	1	
12	41	306	-0	3	0	3	0	99.3	226.2	3.2	0.0	325.5	1	
13	41	81	-0	3	0	2	0	26.2	110.4	2.9	0.0	136.7	1	

14	41	375	-0	3	0	4	1	121.6	261.7	3.0	0.0	383.3	1
15	41	107	-0	2	0	1	0	34.6	97.2	1.7	0.0	131.8	1
16	41	241	-0	2	0	2	0	78.4	164.0	1.8	0.0	242.4	1
17	41	-38	-0	2	0	0	0	12.4	20.0	1.4	0.0	32.5	1
1A	81	137	-1	5	0	1	0	44.5	43.8	4.8	0.0	88.3	1
1E	81	286	-1	5	0	1	0	92.9	43.8	4.8	0.0	136.7	1
1I	81	37	-2	7	0	3	0	12.0	214.6	6.9	0.0	226.6	1
1M	81	386	-2	7	0	3	0	125.4	214.6	6.9	0.0	340.0	1
2	81	393	-2	5	0	2	0	127.7	161.3	4.9	0.0	289.0	1
3	81	160	-1	3	0	1	0	51.9	60.4	2.9	0.0	112.3	1
4	81	253	-1	3	0	2	0	82.2	105.6	2.9	0.0	187.9	1
5	81	25	-1	3	0	-0	0	8.1	4.1	2.6	0.0	12.2	1
6	81	377	-2	3	0	3	0	122.4	166.5	3.1	0.0	288.9	1
7	81	105	-1	2	0	1	0	34.2	42.7	1.7	0.0	76.9	1
8	81	243	-1	2	0	2	0	78.8	108.8	1.8	0.0	187.6	1
9	81	-43	-1	1	0	-0	-0	14.1	28.7	1.4	0.0	42.8	1
10	81	477	-2	6	0	3	0	154.9	200.5	5.3	0.0	355.5	1
11	81	215	-1	3	0	1	0	69.8	86.2	3.2	0.0	156.0	1
12	81	306	-1	3	0	2	0	99.3	130.2	3.2	0.0	229.4	1
13	81	81	-1	3	0	0	0	26.2	22.0	2.9	0.0	48.2	1
14	81	375	-2	3	0	3	0	121.6	166.4	3.0	0.0	288.0	1
15	81	107	-1	2	0	1	0	34.6	43.7	1.7	0.0	78.3	1
16	81	241	-1	2	0	2	0	78.4	108.6	1.8	0.0	187.0	1
17	81	-38	-1	2	0	-0	-0	12.4	25.9	1.4	0.0	38.3	1

ASTA NUM. 44 NI 42 NF 4 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.8866	0.9716	--	--	1.0303	5.8886 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-305	1	-0	0	2	-0	99.1	148.0	0.7	0.0	247.1	1	
1E	0	-138	1	-0	0	2	-0	44.6	148.0	0.7	0.0	192.7	1	
1I	0	-417	1	0	0	3	0	135.3	207.2	0.7	0.0	342.5	1	
1M	0	-26	1	0	0	3	0	8.4	207.2	0.7	0.0	215.7	1	
2	0	-441	6	-1	0	2	-1	143.0	173.4	5.5	0.0	316.4	1	
3	0	-182	4	-1	0	1	-0	59.0	64.5	3.5	0.0	123.5	1	
4	0	-283	4	-1	0	2	-0	92.0	113.7	3.4	0.0	205.7	1	
5	0	-35	4	-0	0	-0	-0	11.2	6.5	3.5	0.0	17.7	1	
6	0	-404	2	-1	0	3	-1	131.1	179.3	2.1	0.0	310.5	1	
7	0	-110	1	-0	0	1	-0	35.8	45.4	1.4	0.0	81.3	1	
8	0	-260	1	-1	0	2	-0	84.4	117.3	1.3	0.0	201.7	1	
9	0	51	2	-0	0	-0	0	16.7	32.1	1.4	0.0	48.8	1	
10	0	-532	6	-2	0	3	-1	172.6	215.8	5.5	0.0	388.4	1	
11	0	-242	4	-1	0	1	-0	78.4	92.4	3.5	0.0	170.8	1	
12	0	-340	4	-1	0	2	-0	110.5	140.2	3.4	0.0	250.7	1	
13	0	-95	4	-1	0	0	-0	31.0	22.7	3.5	0.0	53.7	1	
14	0	-401	2	-1	0	3	-1	130.0	179.2	2.2	0.0	309.2	1	
15	0	-112	1	-0	0	1	-0	36.3	46.5	1.4	0.0	82.8	1	
16	0	-259	1	-1	0	2	-0	84.0	117.1	1.3	0.0	201.1	1	
17	0	46	2	-0	0	-0	0	14.9	29.0	1.4	0.0	43.9	1	
1A	83	-303	-0	-0	0	3	0	98.5	186.1	0.1	0.0	284.6	1	
1E	83	-136	-0	-0	0	3	0	44.1	186.1	0.1	0.0	230.2	1	
1I	83	-415	-0	0	0	4	0	134.7	262.8	0.1	0.0	397.5	1	
1M	83	-24	-0	0	0	4	0	7.8	262.8	0.1	0.0	270.6	1	
2	83	-440	-0	-1	0	3	2	142.9	264.2	0.6	0.0	407.1	1	
3	83	-182	-0	-0	0	1	1	58.9	118.9	0.2	0.0	177.9	6	
4	83	-283	-0	-0	0	2	1	91.9	170.6	0.4	0.0	262.5	1	
5	83	-34	0	0	0	0	2	11.2	102.4	0.1	0.0	113.6	6	
6	83	-402	-0	-1	0	3	0	130.5	220.5	0.7	0.0	351.0	1	
7	83	-109	-0	-0	0	1	0	35.4	66.9	0.2	0.0	102.4	1	
8	83	-259	-0	-0	0	2	0	84.0	143.1	0.4	0.0	227.1	1	
9	83	53	0	0	0	-1	1	17.1	58.6	0.1	0.0	75.7	6	
10	83	-531	-0	-1	0	4	2	172.5	309.3	0.7	0.0	481.9	1	
11	83	-241	-0	-0	0	2	1	78.4	148.1	0.3	0.0	226.4	1	
12	83	-340	-0	-1	0	3	1	110.5	198.7	0.5	0.0	309.2	1	
13	83	-95	0	-0	0	1	1	30.9	109.1	0.0	0.0	140.0	6	
14	83	-398	-0	-1	0	3	0	129.3	221.3	0.7	0.0	350.6	1	
15	83	-111	-0	-0	0	1	0	35.9	68.0	0.2	0.0	103.9	1	
16	83	-257	-0	-0	0	2	0	83.6	142.9	0.4	0.0	226.5	1	
17	83	47	0	0	0	-0	1	15.3	56.7	0.1	0.0	72.0	6	
1A	166	-302	-1	-0	0	3	-0	97.9	224.6	0.9	0.0	322.5	1	
1E	166	-134	-1	-0	0	3	-0	43.5	224.6	0.9	0.0	268.1	1	
1I	166	-413	-1	0	0	5	0	134.1	300.4	0.9	0.0	434.5	1	
1M	166	-22	-1	0	0	5	0	7.2	300.4	0.9	0.0	307.6	1	
2	166	-440	-6	0	0	3	-1	142.8	242.2	5.7	0.0	385.0	1	
3	166	-181	-4	0	0	1	-0	58.9	87.5	3.5	0.0	146.4	1	
4	166	-283	-4	0	0	2	-0	91.9	158.5	3.6	0.0	250.4	1	
5	166	-34	-4	1	0	-0	0	11.1	14.4	3.5	0.0	25.5	1	
6	166	-400	-3	-1	0	4	-1	129.9	261.6	2.3	0.0	391.5	1	
7	166	-108	-2	-0	0	1	-0	35.0	66.4	1.4	0.0	101.4	1	
8	166	-258	-2	-0	0	2	-0	83.6	170.3	1.5	0.0	253.9	1	
9	166	54	-1	0	0	-1	0	17.5	46.1	1.4	0.0	63.6	1	
10	166	-531	-6	0	0	4	-1	172.5	303.8	5.7	0.0	476.3	1	
11	166	-241	-4	0	0	2	-0	78.3	127.9	3.5	0.0	206.3	1	
12	166	-340	-4	0	0	3	-1	110.4	197.0	3.6	0.0	307.4	1	
13	166	-95	-4	1	0	0	-0	30.9	26.8	3.5	0.0	57.6	1	
14	166	-396	-3	-1	0	4	-1	128.6	261.3	2.4	0.0	390.0	1	
15	166	-109	-2	-0	0	1	-0	35.5	67.8	1.4	0.0	103.3	1	
16	166	-256	-2	-0	0	2	-0	83.2	169.9	1.5	0.0	253.1	1	
17	166	48	-1	0	0	-1	0	15.7	41.9	1.4	0.0	57.6	1	

ASTA NUM. 45 NI 43 NF 44 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-291	1	6	0	-1	-0	94.6	39.0	5.3	0.0	133.6	1	
1E	0	-142	1	6	0	-1	-0	46.2	39.0	5.3	0.0	85.2	1	
1I	0	-392	0	8	0	0	0	127.1	26.6	7.4	0.0	153.8	1	
1M	0	-42	0	8	0	0	0	13.7	26.6	7.4	0.0	40.4	1	
2	0	-402	1	6	0	-2	-0	130.5	154.9	5.7	0.0	285.4	1	
3	0	-166	1	4	0	-1	-0	54.0	56.1	3.4	0.0	110.2	1	
4	0	-256	1	4	0	-2	-0	83.0	99.6	3.4	0.0	182.6	1	
5	0	-26	1	3	0	0	0	8.4	10.5	3.1	0.0	19.0	1	
6	0	-384	1	4	0	-2	-0	124.8	159.9	3.8	0.0	284.7	1	
7	0	-111	1	2	0	-1	-0	36.1	38.1	2.2	0.0	74.2	1	
8	0	-244	1	2	0	-2	-0	79.1	102.1	2.2	0.0	181.2	1	
9	0	44	1	2	0	1	0	14.3	36.0	1.9	0.0	50.3	1	
10	0	-488	1	7	0	-3	-0	158.5	194.4	6.1	0.0	352.9	1	
11	0	-223	1	4	0	-1	-0	72.3	82.1	3.6	0.0	154.3	1	
12	0	-310	1	4	0	-2	-0	100.5	124.3	3.6	0.0	224.8	1	
13	0	-84	1	4	0	-0	-0	27.1	15.8	3.4	0.0	42.9	1	
14	0	-387	1	4	0	-2	-0	125.6	160.0	3.9	0.0	285.6	1	
15	0	-115	1	2	0	-1	-0	37.3	39.4	2.2	0.0	76.7	1	
16	0	-245	1	2	0	-2	-0	79.4	102.3	2.2	0.0	181.8	1	
17	0	36	1	2	0	0	0	11.8	32.6	1.9	0.0	44.4	1	
1A	41	-291	-0	6	0	-3	-0	94.6	207.8	5.3	0.0	302.5	1	
1E	41	-142	-0	6	0	-3	-0	46.2	207.8	5.3	0.0	254.1	1	
1I	41	-392	-1	8	0	1	0	127.1	76.7	7.4	0.0	203.8	1	
1M	41	-42	-1	8	0	1	0	13.7	76.7	7.4	0.0	90.5	1	
2	41	-402	-0	6	0	-5	-0	130.5	314.2	5.7	0.0	444.7	1	
3	41	-166	-0	4	0	-2	0	54.0	150.3	3.4	0.0	204.4	1	
4	41	-256	-0	4	0	-3	-0	83.0	194.2	3.4	0.0	277.3	1	
5	41	-26	-0	3	0	-1	0	8.4	79.5	3.1	0.0	87.9	1	
6	41	-384	-0	4	0	-4	-0	124.8	264.9	3.8	0.0	389.7	1	
7	41	-111	-0	2	0	-2	0	36.1	99.2	2.2	0.0	135.3	1	
8	41	-244	-0	2	0	-3	-0	79.1	162.5	2.2	0.0	241.5	1	
9	41	44	-0	2	0	-0	0	14.3	21.2	1.9	0.0	35.5	1	
10	41	-488	-1	7	0	-6	-0	158.5	364.3	6.1	0.0	522.8	1	
11	41	-223	-0	4	0	-3	-0	72.3	183.6	3.6	0.0	255.9	1	
12	41	-310	-0	4	0	-3	-0	100.5	225.6	3.6	0.0	326.1	1	
13	41	-84	-0	4	0	-2	0	27.1	111.5	3.4	0.0	138.6	1	
14	41	-387	-0	4	0	-4	-0	125.6	265.4	3.9	0.0	391.0	1	
15	41	-115	-0	2	0	-2	0	37.3	101.0	2.2	0.0	138.3	1	
16	41	-245	-0	2	0	-3	-0	79.4	162.7	2.2	0.0	242.2	1	
17	41	36	-0	2	0	-0	0	11.8	25.7	1.9	0.0	37.5	1	
1A	81	-291	-1	6	0	-6	-0	94.6	386.7	5.3	0.0	481.3	1	
1E	81	-142	-1	6	0	-6	-0	46.2	386.7	5.3	0.0	432.9	1	
1I	81	-392	-2	8	0	2	0	127.1	116.8	7.4	0.0	243.9	1	
1M	81	-42	-2	8	0	2	0	13.7	116.8	7.4	0.0	130.5	1	
2	81	-402	-2	6	0	-7	-1	130.5	487.4	5.7	0.0	618.0	1	
3	81	-166	-1	4	0	-4	-0	54.0	253.6	3.4	0.0	307.7	1	
4	81	-256	-1	4	0	-4	-0	83.0	297.6	3.4	0.0	380.6	1	
5	81	-26	-1	3	0	-3	-0	8.4	170.5	3.1	0.0	178.9	1	
6	81	-384	-2	4	0	-6	-0	124.8	383.9	3.8	0.0	508.7	1	
7	81	-111	-1	2	0	-2	-0	36.1	163.4	2.2	0.0	199.5	1	
8	81	-244	-1	2	0	-3	-0	79.1	231.6	2.2	0.0	310.6	1	
9	81	44	-1	2	0	-1	-0	14.3	71.8	1.9	0.0	86.2	1	
10	81	-488	-2	7	0	-8	-1	158.5	548.2	6.1	0.0	706.8	1	
11	81	-223	-1	4	0	-4	-0	72.3	293.9	3.6	0.0	366.2	1	
12	81	-310	-1	4	0	-5	-0	100.5	335.6	3.6	0.0	436.2	1	
13	81	-84	-1	4	0	-3	-0	27.1	211.9	3.4	0.0	239.0	1	
14	81	-387	-2	4	0	-6	-0	125.6	385.9	3.9	0.0	511.4	1	
15	81	-115	-1	2	0	-3	-0	37.3	166.0	2.2	0.0	203.2	1	
16	81	-245	-1	2	0	-3	-0	79.4	231.9	2.2	0.0	311.4	1	
17	81	36	-1	2	0	-1	-0	11.8	78.2	1.9	0.0	90.0	1	

ASTA NUM. 46 NI 43 NF 1 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.8866	-0.9716	--	--	1.0303	-3.8279 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	161	1	-0	0	2	0	52.3	150.0	0.8	0.0	202.4	1	
1E	0	329	1	-0	0	2	0	106.8	150.0	0.8	0.0	256.8	1	
1I	0	50	1	0	0	3	1	16.1	217.5	0.8	0.0	233.6	1	
1M	0	440	1	0	0	3	1	143.0	217.5	0.8	0.0	360.4	1	
2	0	475	-4	-1	0	2	0	154.2	166.9	3.3	0.0	321.1	1	
3	0	204	-2	-1	0	1	0	66.4	60.2	2.1	0.0	126.5	1	
4	0	302	-2	-1	0	2	0	98.0	107.4	2.1	0.0	205.4	1	
5	0	52	-2	-0	0	-0	0	16.8	12.2	2.1	0.0	29.0	1	
6	0	437	0	-1	0	2	0	141.9	172.6	0.8	0.0	314.5	1	
7	0	133	0	-0	0	1	0	43.1	40.7	0.3	0.0	83.8	1	
8	0	277	0	-1	0	2	0	89.9	110.4	0.5	0.0	200.3	1	
9	0	-36	-0	0	0	-1	-0	11.8	39.6	0.0	0.0	51.4	1	
10	0	569	-4	-2	0	3	1	184.7	209.7	3.3	0.0	394.3	1	
11	0	266	-2	-1	0	1	0	86.3	88.2	2.1	0.0	174.4	1	
12	0	360	-2	-1	0	2	0	117.0	134.2	2.0	0.0	251.2	1	
13	0	114	-2	-1	0	0	0	37.1	16.3	2.1	0.0	53.4	1	
14	0	441	0	-1	0	2	0	143.1	172.8	0.8	0.0	315.9	1	
15	0	137	0	-0	0	1	0	44.4	42.2	0.3	0.0	86.5	1	
16	0	278	0	-1	0	2	0	90.3	110.6	0.5	0.0	200.9	1	
17	0	-28	-0	0	0	-1	-0	9.1	36.0	0.0	0.0	45.1	1	
1A	83	163	0	-0	0	3	1	52.9	196.1	0.1	0.0	249.0	1	
1E	83	331	0	-0	0	3	1	107.4	196.1	0.1	0.0	303.5	1	
1I	83	51	-0	0	0	4	1	16.7	272.7	0.1	0.0	289.4	1	
1M	83	442	-0	0	0	4	1	143.6	272.7	0.1	0.0	416.3	1	
2	83	480	0	-1	0	3	-1	155.8	230.9	0.5	0.0	386.7	1	
3	83	207	0	-0	0	1	-1	67.4	97.5	0.2	0.0	164.8	1	
4	83	305	0	-0	0	2	-1	99.0	147.8	0.3	0.0	246.7	1	
5	83	55	-0	0	0	-0	-1	17.7	64.2	0.1	0.0	81.9	6	
6	83	440	0	-1	0	3	1	142.9	215.4	0.6	0.0	358.3	1	
7	83	135	0	-0	0	1	0	43.8	52.5	0.1	0.0	96.2	1	
8	83	279	0	-0	0	2	0	90.5	137.9	0.4	0.0	228.4	1	
9	83	-34	-0	0	0	-1	-0	11.2	45.8	0.2	0.0	57.0	1	
10	83	574	0	-1	0	4	-1	186.2	276.4	0.7	0.0	462.6	1	
11	83	269	0	-0	0	2	-1	87.2	127.3	0.3	0.0	214.5	1	
12	83	363	0	-0	0	3	-0	118.0	176.2	0.4	0.0	294.2	1	
13	83	117	-0	0	0	0	-1	38.1	67.9	0.0	0.0	106.0	6	
14	83	444	0	-1	0	3	1	144.1	216.5	0.6	0.0	360.6	1	
15	83	139	0	-0	0	1	0	45.0	54.3	0.1	0.0	99.3	1	
16	83	280	0	-0	0	2	0	90.9	138.2	0.4	0.0	229.1	1	
17	83	-26	-0	0	0	-1	-0	8.4	41.4	0.1	0.0	49.8	1	
1A	166	165	-1	-0	0	3	1	53.5	224.5	0.8	0.0	278.0	1	
1E	166	333	-1	-0	0	3	1	108.0	224.5	0.8	0.0	332.4	1	
1I	166	53	-1	0	0	4	1	17.3	310.3	0.8	0.0	327.6	1	
1M	166	444	-1	0	0	4	1	144.2	310.3	0.8	0.0	454.5	1	
2	166	485	4	0	0	3	1	157.3	227.6	3.4	0.0	384.9	1	
3	166	211	2	0	0	1	0	68.3	78.4	2.1	0.0	146.8	1	
4	166	308	2	0	0	2	0	99.9	147.1	2.2	0.0	247.1	1	
5	166	58	2	1	0	-0	-0	18.7	26.5	2.1	0.0	45.2	1	
6	166	443	0	-0	0	4	1	144.0	246.5	0.4	0.0	390.4	1	
7	166	137	0	-0	0	1	0	44.4	57.0	0.0	0.0	101.3	1	
8	166	281	0	-0	0	2	0	91.1	158.1	0.3	0.0	249.2	1	
9	166	-32	-0	0	0	-1	-0	10.5	59.3	0.3	0.0	69.8	1	
10	166	578	4	0	0	4	1	187.8	290.0	3.5	0.0	477.8	1	
11	166	272	2	0	0	2	0	88.2	119.3	2.1	0.0	207.5	1	
12	166	366	2	0	0	3	1	119.0	186.1	2.2	0.0	305.0	1	
13	166	120	2	1	0	0	0	39.1	15.2	2.1	0.0	54.3	1	
14	166	447	0	-0	0	4	1	145.2	246.7	0.4	0.0	391.9	1	
15	166	141	0	-0	0	1	0	45.6	59.1	0.0	0.0	104.8	1	
16	166	282	0	-0	0	2	0	91.6	158.5	0.3	0.0	250.1	1	
17	166	-24	-0	0	0	-1	-0	7.8	54.0	0.3	0.0	61.8	1	

ASTA NUM. 47 NI 30 NF 45 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1327	0.2832	--	--	4.4058	5.8217 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-569	12	42	0	110	-11	53.6	939.1	11.3	0.0	992.7	1	
1E	0	556	12	42	0	110	-11	52.5	939.1	11.3	0.0	991.6	1	
1I	0	-350	3	56	0	135	-1	33.0	1112.1	15.2	0.0	1145.1	1	
1M	0	338	3	56	0	135	-1	31.8	1112.1	15.2	0.0	1144.0	1	
2	0	286	31	9	0	121	-32	27.0	1091.0	8.5	0.0	1118.0	1	
3	0	1031	17	-11	0	32	-17	97.3	314.7	4.5	0.0	412.0	1	
4	0	420	19	8	0	81	-19	39.6	717.5	5.1	0.0	757.2	1	
5	0	2569	12	-37	0	-40	-12	242.4	362.6	10.1	0.0	605.0	1	
6	0	-115	27	40	0	148	-28	10.9	1298.5	10.7	0.0	1309.4	1	
7	0	1250	13	-0	0	26	-13	117.9	252.0	3.5	0.0	369.9	1	
8	0	293	16	27	0	97	-16	27.6	842.6	7.3	0.0	870.2	1	
9	0	2972	8	-30	0	-54	-8	280.4	466.3	8.1	0.0	746.6	1	
10	0	-184	35	23	0	162	-36	17.3	1438.3	9.4	0.0	1455.6	1	
11	0	734	19	-1	0	59	-20	69.2	541.5	5.2	0.0	610.7	1	
12	0	114	21	17	0	106	-21	10.8	934.5	5.7	0.0	945.3	1	
13	0	2257	15	-28	0	-12	-15	212.9	163.2	7.5	0.0	376.1	6	
14	0	-118	28	40	0	148	-28	11.1	1301.1	10.7	0.0	1312.3	1	
15	0	1247	13	0	0	27	-14	117.6	263.2	3.5	0.0	380.8	1	
16	0	273	16	27	0	97	-16	25.7	844.6	7.3	0.0	870.3	1	
17	0	2941	8	-29	0	-51	-9	277.5	441.9	7.8	0.0	719.3	1	
1A	88	-562	8	42	0	66	-2	53.0	551.3	11.3	0.0	604.4	1	
1E	88	563	8	42	0	66	-2	53.1	551.3	11.3	0.0	604.4	1	
1I	88	-343	-1	56	0	63	1	32.4	522.4	15.2	0.0	554.8	1	
1M	88	344	-1	56	0	63	1	32.4	522.4	15.2	0.0	554.8	1	
2	88	294	24	23	0	107	-7	27.7	900.3	6.6	0.0	928.1	1	
3	88	1036	12	-2	0	38	-4	97.7	321.2	3.3	0.0	419.0	1	
4	88	425	15	17	0	70	-4	40.1	582.4	4.6	0.0	622.5	1	
5	88	2574	8	-29	0	-10	-4	242.8	96.9	7.7	0.0	339.7	1	
6	88	-107	21	43	0	111	-6	10.1	933.1	11.7	0.0	943.2	1	
7	88	1255	9	2	0	25	-4	118.4	215.7	2.5	0.0	334.1	1	
8	88	298	13	29	0	72	-3	28.1	599.8	7.9	0.0	627.9	1	
9	88	2978	4	-28	0	-28	-3	280.9	242.1	7.5	0.0	523.0	1	
10	88	-176	28	38	0	135	-8	16.6	1133.3	10.2	0.0	1149.9	1	
11	88	739	15	8	0	56	-5	69.7	473.6	4.0	0.0	543.3	1	
12	88	119	17	26	0	87	-4	11.2	728.0	7.0	0.0	739.2	1	
13	88	2262	10	-19	0	8	-4	213.4	80.6	5.1	0.0	294.0	1	
14	88	-109	22	43	0	112	-6	10.3	934.8	11.7	0.0	945.0	1	
15	88	1252	9	2	0	26	-4	118.1	223.5	2.5	0.0	341.6	1	
16	88	278	13	29	0	72	-3	26.2	601.2	7.9	0.0	627.4	1	
17	88	2947	5	-27	0	-26	-3	278.0	223.9	7.2	0.0	501.9	1	
1A	177	-556	4	42	0	22	3	52.5	191.6	11.3	0.0	244.1	1	
1E	177	569	4	42	0	22	3	53.7	191.6	11.3	0.0	245.3	1	
1I	177	-337	-4	56	0	-8	-2	31.8	73.9	15.2	0.0	105.7	1	
1M	177	350	-4	56	0	-8	-2	33.0	73.9	15.2	0.0	107.0	1	
2	177	302	17	37	0	80	11	28.4	693.6	10.1	0.0	722.0	1	
3	177	1041	8	7	0	35	5	98.2	304.5	2.2	0.0	402.7	1	
4	177	430	10	26	0	51	7	40.5	437.8	7.0	0.0	478.3	1	
5	177	2579	3	-20	0	11	1	243.3	93.0	5.3	0.0	336.3	1	
6	177	-98	16	47	0	72	10	9.3	617.7	12.6	0.0	627.0	1	
7	177	1260	6	4	0	22	3	118.9	190.6	1.5	0.0	309.4	1	
8	177	303	9	31	0	45	6	28.6	388.4	8.5	0.0	417.0	1	
9	177	2983	1	-25	0	-5	-1	281.4	43.6	6.9	0.0	325.0	1	
10	177	-168	21	52	0	96	14	15.9	825.3	14.0	0.0	841.2	1	
11	177	744	10	16	0	45	6	70.2	391.2	4.4	0.0	461.3	1	
12	177	124	13	35	0	60	9	11.7	520.1	9.4	0.0	531.7	1	
13	177	2267	6	-10	0	21	3	213.9	181.6	2.7	0.0	395.5	1	
14	177	-100	15	47	0	72	10	9.4	619.3	12.7	0.0	628.7	1	
15	177	1257	6	5	0	23	3	118.6	195.4	1.6	0.0	313.9	1	
16	177	284	9	32	0	45	6	26.7	389.2	8.5	0.0	416.0	1	
17	177	2952	1	-24	0	-4	-1	278.5	31.7	6.6	0.0	310.2	1	

ASTA NUM. 48 NI 46 NF 33 Lungh. 176.8 cm SEZ. 5 Ps L 90X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1327	0.2832	--	--	4.4058	5.8217 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-744	5	-13	0	-24	8	70.2	219.2	3.4	0.0	289.3	1	
1E	0	207	5	-13	0	-24	8	19.5	219.2	3.4	0.0	238.7	1	
1I	0	-419	4	5	0	9	13	39.5	133.9	1.3	0.0	173.4	6	
1M	0	-118	4	5	0	9	13	11.1	133.9	1.3	0.0	145.1	6	
2	0	-722	8	-48	0	-101	14	68.1	870.5	13.1	0.0	938.6	1	
3	0	-1208	3	-43	0	-74	11	114.0	641.8	11.6	0.0	755.7	1	
4	0	-699	6	-22	0	-53	8	65.9	458.3	6.0	0.0	524.2	1	
5	0	-2589	-1	-64	0	-93	13	244.2	800.1	17.3	0.0	1044.4	1	
6	0	-341	9	-41	0	-75	11	32.1	650.1	11.0	0.0	682.2	1	
7	0	-1389	2	-46	0	-65	9	131.0	563.8	12.3	0.0	694.8	1	
8	0	-582	6	-17	0	-37	5	54.9	318.7	4.6	0.0	373.6	1	
9	0	-2937	-2	-69	0	-86	12	277.1	741.5	18.7	0.0	1018.5	1	
10	0	-345	10	-44	0	-101	14	32.5	867.7	12.0	0.0	900.3	1	
11	0	-972	4	-41	0	-75	11	91.7	644.7	11.1	0.0	736.3	1	
12	0	-451	7	-20	0	-53	8	42.5	456.4	5.3	0.0	498.9	1	
13	0	-2339	0	-62	0	-93	13	220.7	805.0	16.7	0.0	1025.6	1	
14	0	-343	9	-41	0	-76	11	32.3	651.7	11.0	0.0	684.0	1	
15	0	-1389	2	-46	0	-66	9	131.0	568.8	12.4	0.0	699.9	1	
16	0	-562	6	-17	0	-37	5	53.0	319.0	4.6	0.0	372.1	1	

17	0	-2914	-2	-70	0	-87	13	274.9	753.5	18.9	0.0	1028.4	1
1A	88	-737	1	-13	0	-12	12	69.6	137.5	3.4	0.0	207.1	1
1E	88	213	1	-13	0	-12	12	20.1	137.5	3.4	0.0	157.6	1
1I	88	-413	0	5	0	4	16	38.9	144.9	1.3	0.0	183.8	6
1M	88	-112	0	5	0	4	16	10.5	144.9	1.3	0.0	155.4	6
2	88	-714	1	-63	0	-52	19	67.4	480.6	16.9	0.0	548.0	1
3	88	-1203	-1	-52	0	-32	11	113.5	299.2	14.0	0.0	412.7	1
4	88	-694	1	-31	0	-30	11	65.4	275.5	8.4	0.0	340.9	1
5	88	-2584	-5	-73	0	-32	11	243.8	296.4	19.7	0.0	540.2	1
6	88	-332	3	-44	0	-38	16	31.3	359.2	11.9	0.0	390.5	1
7	88	-1383	-1	-48	0	-24	10	130.5	225.5	12.9	0.0	356.0	1
8	88	-577	3	-19	0	-21	9	54.4	198.5	5.2	0.0	253.0	1
9	88	-2932	-5	-71	0	-24	9	276.6	223.2	19.3	0.0	499.8	1
10	88	-337	3	-59	0	-55	20	31.8	510.7	15.8	0.0	542.5	1
11	88	-967	-0	-50	0	-35	12	91.2	320.4	13.5	0.0	411.6	1
12	88	-446	2	-28	0	-32	11	42.0	294.3	7.7	0.0	336.4	1
13	88	-2334	-4	-71	0	-34	12	220.2	318.8	19.1	0.0	538.9	1
14	88	-334	3	-44	0	-38	16	31.5	360.6	12.0	0.0	392.0	1
15	88	-1383	-1	-48	0	-24	10	130.5	228.1	13.0	0.0	358.6	1
16	88	-557	3	-19	0	-21	9	52.5	198.9	5.2	0.0	251.4	1
17	88	-2909	-5	-72	0	-24	10	274.4	229.6	19.5	0.0	503.9	1
1A	177	-731	-3	-13	0	-1	12	69.0	99.1	3.4	0.0	168.1	6
1E	177	219	-3	-13	0	-1	12	20.7	99.1	3.4	0.0	119.8	6
1I	177	-406	-4	5	0	-0	16	38.3	128.4	1.3	0.0	166.7	6
1M	177	-105	-4	5	0	-0	16	9.9	128.4	1.3	0.0	138.3	6
2	177	-706	-6	-77	0	10	16	66.6	164.3	20.7	0.0	230.9	6
3	177	-1198	-6	-61	0	17	8	113.0	167.8	16.4	0.0	280.9	1
4	177	-689	-3	-40	0	2	10	65.0	85.4	10.7	0.0	150.4	6
5	177	-2579	-9	-82	0	36	5	243.3	310.1	22.1	0.0	553.4	1
6	177	-324	-3	-48	0	3	16	30.5	140.9	12.9	0.0	171.4	6
7	177	-1378	-5	-50	0	19	7	130.0	179.7	13.5	0.0	309.7	1
8	177	-572	-1	-21	0	-3	10	53.9	87.8	5.8	0.0	141.7	6
9	177	-2927	-9	-73	0	40	3	276.1	338.3	19.9	0.0	614.5	1
10	177	-329	-4	-73	0	3	19	31.1	167.6	19.7	0.0	198.7	6
11	177	-962	-5	-59	0	13	10	90.7	139.6	15.9	0.0	230.3	1
12	177	-441	-2	-37	0	-3	12	41.6	103.2	10.1	0.0	144.8	6
13	177	-2329	-8	-80	0	32	6	219.7	282.0	21.5	0.0	501.7	1
14	177	-325	-3	-48	0	3	16	30.6	141.4	12.9	0.0	172.1	6
15	177	-1378	-5	-50	0	19	7	130.0	180.4	13.6	0.0	310.4	1
16	177	-552	-1	-21	0	-3	10	52.0	88.1	5.8	0.0	140.2	6
17	177	-2903	-9	-74	0	40	3	273.9	339.6	20.1	0.0	613.5	1

ASTA NUM. 49 NI 44 NF 45 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	152	1	1	0	2	0	49.5	113.0	0.8	0.0	162.5	1	
1E	0	305	1	1	0	2	0	99.1	113.0	0.8	0.0	212.1	1	
1I	0	46	1	6	0	5	0	14.8	308.9	5.4	0.0	323.6	1	
1M	0	412	1	6	0	5	0	133.8	308.9	5.4	0.0	442.6	1	
2	0	389	2	-10	0	-5	-0	126.3	320.2	9.6	0.0	446.5	1	
3	0	156	1	-6	0	-4	-0	50.6	237.8	5.9	0.0	288.4	1	
4	0	244	1	-6	0	-3	-0	79.3	180.6	5.7	0.0	259.9	1	
5	0	13	1	-6	0	-5	-0	4.2	299.7	5.8	0.0	303.8	1	
6	0	398	2	-6	0	-2	-0	129.1	128.9	5.8	0.0	258.1	1	
7	0	117	1	-4	0	-2	-0	37.8	139.7	3.5	0.0	177.5	1	
8	0	248	1	-4	0	-1	-0	80.6	60.8	3.3	0.0	141.4	1	
9	0	-42	1	-4	0	-3	-0	13.6	208.8	3.4	0.0	222.4	1	
10	0	478	2	-11	0	-5	-0	155.3	302.2	10.0	0.0	457.5	1	
11	0	215	1	-7	0	-3	-0	69.8	226.8	6.2	0.0	296.6	1	
12	0	300	1	-6	0	-3	-0	97.4	169.3	5.9	0.0	266.7	1	
13	0	74	1	-7	0	-4	-0	23.9	288.8	6.1	0.0	312.6	1	
14	0	397	2	-6	0	-2	-0	129.0	130.6	5.8	0.0	259.6	1	
15	0	120	1	-4	0	-2	-0	38.8	140.1	3.6	0.0	178.9	1	
16	0	248	1	-4	0	-1	-0	80.6	60.9	3.3	0.0	141.4	1	
17	0	-34	1	-4	0	-3	-0	10.9	209.6	3.5	0.0	220.5	1	
1A	41	152	-0	1	0	1	0	49.5	92.4	0.6	0.0	141.9	1	
1E	41	305	-0	1	0	1	0	99.1	92.4	0.6	0.0	191.5	1	
1I	41	46	-0	6	0	2	0	14.8	145.3	5.4	0.0	160.1	1	
1M	41	412	-0	6	0	2	0	133.8	145.3	5.4	0.0	279.1	1	
2	41	389	1	-10	0	-1	0	126.3	47.3	9.6	0.0	173.6	1	
3	41	156	0	-6	0	-1	0	50.6	66.9	5.9	0.0	117.5	1	
4	41	244	0	-6	0	-0	0	79.3	19.9	5.7	0.0	99.1	1	
5	41	13	0	-6	0	-2	0	4.2	128.3	5.8	0.0	132.5	1	
6	41	398	0	-6	0	1	0	129.1	45.2	5.8	0.0	174.4	1	
7	41	117	0	-4	0	-1	0	37.8	39.2	3.5	0.0	77.1	1	
8	41	248	0	-4	0	1	0	80.6	38.5	3.3	0.0	119.0	1	
9	41	-42	0	-4	0	-2	0	13.6	107.4	3.4	0.0	121.0	1	
10	41	478	1	-11	0	-0	0	155.3	21.4	10.0	0.0	176.7	6	
11	41	215	0	-7	0	-1	0	69.8	48.4	6.2	0.0	118.3	1	
12	41	300	0	-6	0	0	0	97.4	12.2	5.9	0.0	109.7	6	
13	41	74	0	-7	0	-2	0	23.9	109.5	6.1	0.0	133.4	1	
14	41	397	0	-6	0	1	0	129.0	45.3	5.8	0.0	174.2	1	
15	41	120	0	-4	0	-1	0	38.8	38.6	3.6	0.0	77.4	1	
16	41	248	0	-4	0	1	0	80.6	38.6	3.3	0.0	119.2	1	
17	41	-34	0	-4	0	-2	0	10.9	105.9	3.5	0.0	116.9	1	
1A	81	152	-1	1	0	1	0	49.5	61.8	1.0	0.0	111.3	1	
1E	81	305	-1	1	0	1	0	99.1	61.8	1.0	0.0	160.9	1	
1I	81	46	-1	6	0	-0	-0	14.8	28.3	5.4	0.0	43.1	1	
1M	81	412	-1	6	0	-0	-0	133.8	28.3	5.4	0.0	162.1	1	
2	81	389	-1	-10	0	4	0	126.3	234.0	9.6	0.0	360.3	1	
3	81	156	-0	-6	0	2	0	50.6	104.6	5.9	0.0	155.3	1	
4	81	244	-0	-6	0	2	0	79.3	147.4	5.7	0.0	226.7	1	
5	81	13	-0	-6	0	1	0	4.2	36.3	5.8	0.0	40.5	1	
6	81	398	-1	-6	0	3	0	129.1	205.4	5.8	0.0	334.5	1	
7	81	117	-1	-4	0	1	0	37.8	65.3	3.5	0.0	103.2	1	
8	81	248	-1	-4	0	2	0	80.6	129.0	3.3	0.0	209.5	1	
9	81	-42	-1	-4	0	-0	-0	13.6	10.3	3.4	0.0	23.8	1	
10	81	478	-1	-11	0	4	0	155.3	277.0	10.0	0.0	432.4	1	
11	81	215	-0	-7	0	2	0	69.8	132.9	6.2	0.0	202.7	1	
12	81	300	-0	-6	0	3	0	97.4	174.4	5.9	0.0	271.8	1	
13	81	74	-0	-7	0	1	0	23.9	65.2	6.1	0.0	89.1	1	
14	81	397	-1	-6	0	3	0	129.0	206.1	5.8	0.0	335.1	1	
15	81	120	-1	-4	0	1	0	38.8	67.0	3.6	0.0	105.8	1	
16	81	248	-1	-4	0	2	0	80.6	129.3	3.3	0.0	209.9	1	
17	81	-34	-1	-4	0	-0	-0	10.9	6.3	3.5	0.0	17.2	1	

ASTA NUM. 50 NI 45 NF 1 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7111	0.1778	--	--	1.0303	1.9192 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-325	0	-0	0	2	-0	105.4	162.2	0.5	0.0	267.6	1	
1E	0	-148	0	-0	0	2	-0	48.1	162.2	0.5	0.0	210.3	1	
1I	0	-437	0	0	0	4	0	141.8	243.1	0.3	0.0	385.0	1	
1M	0	-36	0	0	0	4	0	11.7	243.1	0.3	0.0	254.8	1	
2	0	-405	2	5	0	4	-1	131.5	241.6	4.2	0.0	373.1	1	
3	0	-159	1	3	0	2	-0	51.5	106.0	2.8	0.0	157.4	1	
4	0	-255	1	3	0	2	-0	82.7	152.5	2.6	0.0	235.3	1	
5	0	-3	1	3	0	0	-0	1.0	32.0	3.1	0.0	33.0	1	
6	0	-414	1	0	0	3	-1	134.4	216.4	0.9	0.0	350.8	1	
7	0	-115	1	0	0	1	-0	37.4	66.9	0.6	0.0	104.4	1	
8	0	-259	1	0	0	2	-0	84.1	136.2	0.6	0.0	220.2	1	
9	0	57	1	1	0	-0	0	18.4	14.9	0.8	0.0	33.3	1	
10	0	-502	1	4	0	4	-1	162.9	287.8	4.0	0.0	450.7	1	
11	0	-222	1	3	0	2	-0	72.2	136.3	2.7	0.0	208.5	1	
12	0	-315	1	3	0	3	-0	102.4	181.4	2.5	0.0	283.8	1	
13	0	-69	1	3	0	1	-0	22.3	63.0	2.9	0.0	85.3	1	
14	0	-413	1	0	0	3	-1	134.0	217.1	1.0	0.0	351.1	1	
15	0	-119	1	0	0	1	-0	38.5	68.7	0.6	0.0	107.1	1	
16	0	-259	1	0	0	2	-0	84.0	136.6	0.6	0.0	220.6	1	
17	0	48	1	1	0	-0	0	15.6	10.7	0.8	0.0	26.3	1	
1A	83	-323	-0	-0	0	3	0	104.8	207.2	0.3	0.0	312.0	1	
1E	83	-146	-0	-0	0	3	0	47.5	207.2	0.3	0.0	254.6	1	
1I	83	-435	-1	0	0	5	0	141.2	332.4	0.5	0.0	473.6	1	
1M	83	-34	-1	0	0	5	0	11.1	332.4	0.5	0.0	343.5	1	
2	83	-403	-1	-1	0	2	-0	130.8	147.4	1.3	0.0	278.2	1	
3	83	-157	-0	-1	0	1	0	51.0	37.8	0.6	0.0	88.8	1	
4	83	-254	-0	-1	0	1	-0	82.3	92.7	0.8	0.0	175.0	1	
5	83	-2	-0	-0	0	-1	0	0.6	55.2	0.3	0.0	55.8	1	
6	83	-412	-0	-1	0	3	-0	133.7	232.3	1.0	0.0	366.0	1	
7	83	-114	-0	-0	0	1	0	36.9	61.2	0.4	0.0	98.2	1	
8	83	-257	-0	-1	0	2	-0	83.6	144.8	0.6	0.0	228.4	1	
9	83	58	-0	-0	0	-1	0	18.9	40.6	0.1	0.0	59.5	1	
10	83	-500	-1	-2	0	3	-0	162.2	205.9	1.5	0.0	368.1	1	
11	83	-221	-0	-1	0	1	-0	71.8	74.9	0.7	0.0	146.7	1	
12	83	-314	-0	-1	0	2	-0	101.9	129.4	0.9	0.0	231.3	1	
13	83	-67	-0	-1	0	-0	0	21.8	15.8	0.5	0.0	37.6	1	
14	83	-410	-0	-1	0	3	-0	133.1	232.4	1.0	0.0	365.5	1	
15	83	-117	-0	-0	0	1	0	38.0	63.1	0.4	0.0	101.1	1	
16	83	-257	-0	-1	0	2	-0	83.5	145.3	0.6	0.0	228.8	1	
17	83	49	-0	-0	0	-0	0	16.0	35.1	0.2	0.0	51.2	1	
1A	166	-321	-1	-0	0	4	-0	104.2	266.5	1.1	0.0	370.7	1	
1E	166	-144	-1	-0	0	4	-0	46.9	266.5	1.1	0.0	313.3	1	
1I	166	-433	-1	0	0	6	0	140.6	404.0	1.3	0.0	544.6	1	
1M	166	-32	-1	0	0	6	0	10.5	404.0	1.3	0.0	414.5	1	
2	166	-401	-3	-7	0	6	-2	130.2	410.2	6.7	0.0	540.3	1	

3	166	-156	-2	-4	0	3	-1	50.6	189.8	4.0	0.0	240.4	1
4	166	-252	-2	-5	0	4	-1	81.9	255.9	4.2	0.0	337.8	1
5	166	-0	-2	-4	0	1	-0	0.2	80.5	3.7	0.0	80.7	1
6	166	-409	-2	-3	0	5	-1	132.9	356.1	2.4	0.0	489.0	1
7	166	-112	-1	-1	0	2	-1	36.5	121.9	1.2	0.0	158.3	1
8	166	-256	-1	-2	0	3	-1	83.1	220.8	1.5	0.0	303.9	1
9	166	60	-1	-1	0	-0	-0	19.4	15.1	1.0	0.0	34.5	6
10	166	-498	-3	-7	0	7	-2	161.6	481.0	6.9	0.0	642.6	1
11	166	-220	-2	-4	0	3	-1	71.3	236.5	4.2	0.0	307.8	1
12	166	-313	-2	-5	0	4	-1	101.5	300.1	4.3	0.0	401.7	1
13	166	-66	-2	-4	0	2	-1	21.4	128.4	3.9	0.0	149.8	1
14	166	-408	-2	-3	0	5	-1	132.3	357.3	2.4	0.0	489.6	1
15	166	-116	-1	-1	0	2	-1	37.5	124.7	1.3	0.0	162.2	1
16	166	-256	-1	-2	0	3	-1	83.1	221.3	1.5	0.0	304.4	1
17	166	51	-1	-1	0	0	-0	16.5	15.5	1.0	0.0	32.0	6

ASTA NUM. 51 NI 46 NF 37 Lungh. 81.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	155	1	7	0	2	0	50.3	163.8	6.1	0.0	214.1	1	
1E	0	308	1	7	0	2	0	100.0	163.8	6.1	0.0	263.7	1	
1I	0	48	0	12	0	4	0	15.6	253.9	10.9	0.0	269.5	1	
1M	0	415	0	12	0	4	0	134.6	253.9	10.9	0.0	388.5	1	
2	0	482	1	10	0	4	0	156.5	278.1	9.5	0.0	434.6	1	
3	0	364	0	6	0	3	0	118.2	203.7	5.7	0.0	321.9	1	
4	0	246	0	6	0	2	0	79.9	147.0	5.7	0.0	226.9	1	
5	0	464	0	6	0	4	0	150.6	252.3	5.4	0.0	403.0	1	
6	0	401	1	6	0	3	0	130.2	206.2	5.8	0.0	336.3	1	
7	0	352	1	4	0	3	0	114.2	177.0	3.3	0.0	291.3	1	
8	0	194	1	4	0	2	0	63.1	101.5	3.4	0.0	164.5	1	
9	0	464	1	3	0	4	0	150.5	231.7	3.0	0.0	382.2	1	
10	0	482	1	11	0	4	0	156.4	277.9	10.0	0.0	434.3	1	
11	0	367	0	7	0	3	0	119.2	204.9	6.1	0.0	324.1	1	
12	0	246	0	6	0	2	0	79.8	146.8	6.0	0.0	226.6	1	
13	0	468	0	6	0	4	0	152.1	254.2	5.8	0.0	406.2	1	
14	0	400	1	6	0	3	0	130.0	206.9	5.8	0.0	336.9	1	
15	0	355	1	4	0	3	0	115.2	178.7	3.4	0.0	293.9	1	
16	0	194	1	4	0	2	0	63.0	101.7	3.4	0.0	164.7	1	
17	0	472	1	3	0	4	0	153.1	235.5	3.1	0.0	388.6	1	
1A	41	155	-0	7	0	-0	0	50.3	24.1	6.1	0.0	74.4	1	
1E	41	308	-0	7	0	-0	0	100.0	24.1	6.1	0.0	124.1	1	
1I	41	48	-1	12	0	-1	0	15.6	73.9	10.9	0.0	89.5	1	
1M	41	415	-1	12	0	-1	0	134.6	73.9	10.9	0.0	208.5	1	
2	41	482	-1	10	0	0	0	156.5	19.0	9.5	0.0	175.5	6	
3	41	364	-0	6	0	1	0	118.2	41.8	5.7	0.0	160.0	1	
4	41	246	-0	6	0	-0	0	79.9	20.9	5.7	0.0	100.7	1	
5	41	464	-0	6	0	1	0	150.6	99.4	5.4	0.0	250.1	1	
6	41	401	-0	6	0	1	0	130.2	45.8	5.8	0.0	175.9	1	
7	41	352	-0	4	0	1	0	114.2	84.5	3.3	0.0	198.7	1	
8	41	194	-0	4	0	0	0	63.1	13.0	3.4	0.0	76.1	6	
9	41	464	-0	3	0	2	0	150.5	148.8	3.0	0.0	299.2	1	
10	41	482	-1	11	0	-0	0	156.4	21.2	10.0	0.0	177.6	6	
11	41	367	-0	7	0	0	0	119.2	33.0	6.1	0.0	152.2	1	
12	41	246	-0	6	0	-0	0	79.8	29.7	6.0	0.0	109.6	1	
13	41	468	-0	6	0	1	0	152.1	90.8	5.8	0.0	242.9	1	
14	41	400	-0	6	0	1	0	130.0	45.8	5.8	0.0	175.8	1	
15	41	355	-0	4	0	1	0	115.2	85.1	3.4	0.0	200.3	1	
16	41	194	-0	4	0	0	0	63.0	13.0	3.4	0.0	76.0	6	
17	41	472	-0	3	0	2	0	153.1	150.2	3.1	0.0	303.3	1	
1A	81	155	-1	7	0	-3	-0	50.3	204.8	6.1	0.0	255.1	1	
1E	81	308	-1	7	0	-3	-0	100.0	204.8	6.1	0.0	304.8	1	
1I	81	48	-2	12	0	-6	-0	15.6	400.7	10.9	0.0	416.3	1	
1M	81	415	-2	12	0	-6	-0	134.6	400.7	10.9	0.0	535.3	1	
2	81	482	-2	10	0	-4	-0	156.5	272.1	9.5	0.0	428.6	1	
3	81	364	-1	6	0	-2	-0	118.2	128.9	5.7	0.0	247.0	1	
4	81	246	-1	6	0	-3	-0	79.9	182.4	5.7	0.0	262.3	1	
5	81	464	-1	6	0	-1	-0	150.6	62.2	5.4	0.0	212.9	1	
6	81	401	-2	6	0	-2	-0	130.2	128.6	5.8	0.0	258.8	1	
7	81	352	-1	4	0	-0	0	114.2	16.7	3.3	0.0	130.9	1	
8	81	194	-1	4	0	-1	-0	63.1	92.8	3.4	0.0	155.8	1	
9	81	464	-1	3	0	1	0	150.5	57.0	3.0	0.0	207.5	1	
10	81	482	-2	11	0	-5	-0	156.4	301.8	10.0	0.0	458.2	1	
11	81	367	-1	7	0	-2	-0	119.2	147.7	6.1	0.0	266.9	1	
12	81	246	-1	6	0	-3	-0	79.8	201.1	6.0	0.0	280.9	1	
13	81	468	-1	6	0	-1	-0	152.1	81.3	5.8	0.0	233.4	1	
14	81	400	-2	6	0	-2	-0	130.0	130.4	5.8	0.0	260.4	1	
15	81	355	-1	4	0	-0	0	115.2	17.1	3.4	0.0	132.3	1	
16	81	194	-1	4	0	-1	-0	63.0	93.0	3.4	0.0	156.0	1	
17	81	472	-1	3	0	1	0	153.1	56.1	3.1	0.0	209.2	1	

ASTA NUM. 52 NI 46 NF 2 Lungh. 165.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7111	0.1778	--	--	1.0303	1.9192 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-327	0	1	0	-1	-0	106.3	70.5	0.9	0.0	176.8	1	
1E	0	-151	0	1	0	-1	-0	48.9	70.5	0.9	0.0	119.4	1	
1I	0	-440	0	2	0	0	0	142.7	19.2	1.4	0.0	161.9	1	
1M	0	-39	0	2	0	0	0	12.6	19.2	1.4	0.0	31.8	1	
2	0	-507	2	-4	0	-4	-1	164.4	289.5	4.0	0.0	453.9	1	
3	0	-385	1	-3	0	-3	-1	125.0	213.5	2.4	0.0	338.5	1	
4	0	-257	1	-3	0	-2	-0	83.4	152.2	2.6	0.0	235.6	1	
5	0	-494	1	-2	0	-4	-1	160.5	266.5	2.2	0.0	427.0	1	
6	0	-418	1	-0	0	-3	-1	135.6	217.3	0.9	0.0	352.9	1	
7	0	-372	1	-0	0	-3	-0	120.6	188.3	0.5	0.0	308.9	1	
8	0	-200	1	-0	0	-2	-0	65.0	106.4	0.6	0.0	171.3	1	
9	0	-494	1	0	0	-4	-1	160.2	247.8	0.5	0.0	408.0	1	
10	0	-506	1	-4	0	-4	-1	164.1	288.7	4.0	0.0	452.9	1	
11	0	-388	1	-3	0	-3	-1	125.9	214.5	2.4	0.0	340.5	1	
12	0	-256	1	-3	0	-2	-0	83.2	151.6	2.6	0.0	234.8	1	
13	0	-499	1	-2	0	-4	-1	161.9	268.2	2.2	0.0	430.1	1	
14	0	-416	1	-0	0	-3	-1	135.1	217.9	1.0	0.0	353.1	1	
15	0	-375	1	0	0	-3	-1	121.7	190.0	0.5	0.0	311.7	1	
16	0	-200	1	-0	0	-2	-0	64.9	106.5	0.6	0.0	171.5	1	
17	0	-502	1	0	0	-4	-1	163.0	251.8	0.5	0.0	414.8	1	
1A	83	-326	-0	1	0	-1	0	105.7	83.5	0.9	0.0	189.2	1	
1E	83	-149	-0	1	0	-1	0	48.4	83.5	0.9	0.0	131.9	1	
1I	83	-438	-1	2	0	1	0	142.1	43.3	1.4	0.0	185.4	1	
1M	83	-37	-1	2	0	1	0	12.0	43.3	1.4	0.0	55.2	1	
2	83	-504	-1	2	0	-3	-0	163.8	206.5	1.5	0.0	370.3	1	
3	83	-384	-0	1	0	-2	-0	124.6	168.5	1.0	0.0	293.1	1	
4	83	-256	-0	1	0	-1	-0	83.0	92.9	0.8	0.0	175.9	1	
5	83	-493	-0	1	0	-3	-0	160.0	232.6	1.2	0.0	392.7	1	
6	83	-415	-0	1	0	-3	-0	134.8	233.7	1.1	0.0	368.5	1	
7	83	-370	-0	1	0	-3	-0	120.1	209.8	0.8	0.0	330.0	1	
8	83	-199	-0	1	0	-2	-0	64.5	109.1	0.5	0.0	173.6	1	
9	83	-492	-0	1	0	-4	-1	159.7	281.9	1.1	0.0	441.6	1	
10	83	-503	-1	2	0	-3	-0	163.4	207.4	1.5	0.0	370.9	1	
11	83	-387	-0	1	0	-3	-0	125.5	171.1	1.0	0.0	296.6	1	
12	83	-255	-0	1	0	-1	-0	82.7	93.4	0.8	0.0	176.2	1	
13	83	-497	-0	1	0	-3	-1	161.4	236.1	1.2	0.0	397.5	1	
14	83	-414	-0	1	0	-3	-0	134.3	233.7	1.1	0.0	368.0	1	
15	83	-373	-0	1	0	-3	-0	121.2	212.1	0.9	0.0	333.2	1	
16	83	-198	-0	1	0	-2	-0	64.4	109.3	0.5	0.0	173.7	1	
17	83	-501	-0	1	0	-4	-1	162.5	287.1	1.1	0.0	449.6	1	
1A	166	-324	-1	1	0	-2	-0	105.1	111.3	1.1	0.0	216.4	1	
1E	166	-147	-1	1	0	-2	-0	47.8	111.3	1.1	0.0	159.1	1	
1I	166	-436	-1	2	0	1	0	141.5	49.6	1.4	0.0	191.1	1	
1M	166	-35	-1	2	0	1	0	11.4	49.6	1.4	0.0	61.0	1	
2	166	-502	-3	7	0	-7	-2	163.1	480.3	6.9	0.0	643.3	1	
3	166	-383	-2	5	0	-5	-1	124.2	346.5	4.4	0.0	470.7	1	
4	166	-254	-2	5	0	-4	-1	82.6	256.6	4.2	0.0	339.2	1	
5	166	-492	-2	5	0	-6	-1	159.6	421.7	4.6	0.0	581.3	1	
6	166	-413	-2	3	0	-5	-1	134.0	358.0	2.4	0.0	492.0	1	
7	166	-369	-1	2	0	-4	-1	119.6	298.8	1.7	0.0	418.4	1	
8	166	-197	-1	2	0	-3	-1	64.0	179.2	1.4	0.0	243.2	1	
9	166	-490	-1	2	0	-5	-1	159.2	383.3	1.9	0.0	542.5	1	
10	166	-501	-3	7	0	-7	-2	162.8	483.1	6.9	0.0	645.8	1	
11	166	-385	-2	5	0	-5	-1	125.1	350.7	4.4	0.0	475.8	1	
12	166	-254	-2	5	0	-4	-1	82.3	258.2	4.2	0.0	340.5	1	
13	166	-496	-2	5	0	-6	-1	161.0	426.9	4.6	0.0	587.9	1	
14	166	-411	-2	3	0	-5	-1	133.4	359.2	2.4	0.0	492.6	1	
15	166	-372	-1	2	0	-4	-1	120.7	301.5	1.7	0.0	422.2	1	
16	166	-197	-1	2	0	-3	-1	63.9	179.5	1.4	0.0	243.4	1	
17	166	-499	-1	2	0	-6	-1	162.0	389.8	1.9	0.0	551.8	1	

ASTA NUM. 53 NI 34 NF 19 Lungh. 213.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.3328	1.3332	--	--	4.8872	11.5532 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1409	5	0	0	-1	1	161.1	15.0	1.5	0.0	176.1	1	

1E	0	5397	5	0	0	-1	1	616.8	15.0	1.5	0.0	631.8	1
1I	0	2593	5	0	0	1	1	296.4	13.5	1.5	0.0	309.9	6
1M	0	4213	5	0	0	1	1	481.5	13.5	1.5	0.0	495.0	6
2	0	5200	15	-5	0	-9	1	594.3	94.1	4.9	0.0	688.4	1
3	0	2697	9	-2	0	-4	0	308.2	40.0	3.1	0.0	348.2	1
4	0	3682	9	-3	0	-5	1	420.8	55.2	3.1	0.0	476.0	1
5	0	1927	10	-1	0	-1	0	220.2	8.8	3.1	0.0	229.0	1
6	0	5587	9	-5	0	-9	1	638.5	94.5	2.9	0.0	733.0	1
7	0	2674	6	-2	0	-3	0	305.6	30.6	1.9	0.0	336.2	1
8	0	4049	6	-3	0	-5	1	462.7	54.4	1.8	0.0	517.1	1
9	0	1844	6	0	0	0	-0	210.7	3.9	1.9	0.0	214.6	1
10	0	6133	15	-6	0	-11	1	700.9	113.3	4.9	0.0	814.2	1
11	0	3313	9	-3	0	-5	0	378.6	52.7	3.1	0.0	431.3	1
12	0	4251	9	-4	0	-7	1	485.8	67.4	3.0	0.0	553.2	1
13	0	2547	10	-1	0	-2	0	291.1	21.9	3.1	0.0	313.0	1
14	0	5606	9	-5	0	-9	1	640.7	94.8	3.1	0.0	735.5	1
15	0	2719	6	-2	0	-3	0	310.7	31.3	1.8	0.0	342.0	1
16	0	4038	6	-3	0	-5	1	461.5	54.6	1.8	0.0	516.0	1
17	0	1922	6	-0	0	0	-0	219.7	2.0	1.9	0.0	221.6	1
1A	107	1414	-1	0	0	-1	3	161.6	35.6	0.2	0.0	197.2	6
1E	107	5402	-1	0	0	-1	3	617.3	35.6	0.2	0.0	652.9	6
1I	107	2598	-1	0	0	-0	3	296.9	31.6	0.2	0.0	328.5	6
1M	107	4218	-1	0	0	-0	3	482.0	31.6	0.2	0.0	513.6	6
2	107	5199	-1	-4	0	-4	8	594.1	97.7	1.4	0.0	691.8	6
3	107	2696	-0	-2	0	-2	5	308.1	57.0	0.6	0.0	365.1	6
4	107	3681	-1	-2	0	-3	5	420.7	60.5	0.8	0.0	481.2	6
5	107	1926	-0	-0	0	-0	5	220.2	50.1	0.1	0.0	270.3	6
6	107	5592	-1	-4	0	-5	5	639.1	67.7	1.4	0.0	706.8	6
7	107	2678	-0	-1	0	-1	3	306.0	36.2	0.5	0.0	342.2	6
8	107	4053	-0	-2	0	-3	3	463.1	41.6	0.8	0.0	504.7	6
9	107	1847	-0	0	0	0	3	211.1	30.2	0.1	0.0	241.3	6
10	107	6132	-1	-5	0	-5	8	700.7	101.9	1.7	0.0	802.6	6
11	107	3313	-0	-2	0	-2	5	378.6	59.8	0.8	0.0	438.4	6
12	107	4250	-1	-3	0	-3	5	485.7	63.1	1.0	0.0	548.8	6
13	107	2546	-0	-1	0	-1	5	291.0	53.0	0.3	0.0	344.0	6
14	107	5612	-1	-4	0	-5	6	641.3	70.6	1.4	0.0	711.9	6
15	107	2722	-0	-1	0	-1	3	311.1	36.4	0.5	0.0	347.5	6
16	107	4041	-0	-2	0	-3	3	461.8	41.7	0.8	0.0	503.5	6
17	107	1925	-0	0	0	0	3	220.0	30.0	0.0	0.0	250.0	6
1A	213	1419	-6	0	0	-2	-0	162.2	19.3	1.9	0.0	181.5	1
1E	213	5407	-6	0	0	-2	-0	617.9	19.3	1.9	0.0	637.2	1
1I	213	2603	-6	0	0	-1	-0	297.5	10.1	1.9	0.0	307.6	1
1M	213	4223	-6	0	0	-1	-0	482.6	10.1	1.9	0.0	492.8	1
2	213	5197	-17	-3	0	-0	-1	593.9	9.7	5.4	0.0	603.7	6
3	213	2695	-10	-1	0	-0	-1	308.0	6.2	3.4	0.0	314.2	6
4	213	3680	-10	-2	0	-0	-1	420.6	6.9	3.4	0.0	427.4	6
5	213	1926	-10	0	0	-0	-1	220.1	6.7	3.3	0.0	226.8	6
6	213	5597	-10	-4	0	0	-0	639.7	3.7	3.3	0.0	643.3	6
7	213	2681	-6	-1	0	-0	-0	306.4	2.4	2.0	0.0	308.8	6
8	213	4056	-6	-2	0	-0	-0	463.5	3.2	2.0	0.0	466.7	6
9	213	1850	-6	0	0	-0	-0	211.4	3.0	2.0	0.0	214.4	6
10	213	6130	-17	-4	0	-0	-1	700.6	10.0	5.5	0.0	710.6	6
11	213	3312	-10	-2	0	-0	-1	378.5	6.4	3.4	0.0	384.9	6
12	213	4249	-10	-2	0	-0	-1	485.6	7.0	3.4	0.0	492.6	6
13	213	2545	-10	-0	0	-0	-1	290.9	6.9	3.3	0.0	297.7	6
14	213	5617	-11	-4	0	0	-0	641.9	3.6	3.4	0.0	645.6	6
15	213	2725	-6	-1	0	-0	-0	311.4	2.4	2.0	0.0	313.8	6
16	213	4044	-6	-2	0	-0	-0	462.2	3.2	2.1	0.0	465.3	6
17	213	1928	-6	0	0	-0	-0	220.3	3.0	2.0	0.0	223.3	6

ASTA NUM. 54 NI 34 NF 20 Lungh. 213.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.3328	-1.3332	--	--	4.8872	-1.7788 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-4829	5	0	0	-1	0	551.9	11.1	1.6	0.0	563.0	1	
1E	0	-843	5	0	0	-1	0	96.4	11.1	1.6	0.0	107.5	1	
1I	0	-3646	5	1	0	1	0	416.6	7.9	1.6	0.0	424.5	1	
1M	0	-2026	5	1	0	1	0	231.6	7.9	1.6	0.0	239.5	1	
2	0	-4428	-1	-5	0	-9	-1	506.1	92.9	1.6	0.0	598.9	1	
3	0	-1819	-0	-2	0	-4	-0	207.9	41.5	0.8	0.0	249.4	1	
4	0	-2097	-0	-3	0	-6	-0	239.7	61.4	1.1	0.0	301.0	1	
5	0	-285	-1	-1	0	-2	0	32.6	15.6	0.4	0.0	48.2	1	
6	0	-4858	6	-4	0	-9	-1	555.2	93.1	1.8	0.0	648.3	1	
7	0	-1607	3	-2	0	-3	-0	183.7	33.3	1.1	0.0	216.9	1	
8	0	-2210	3	-3	0	-6	-0	252.6	62.2	1.1	0.0	314.8	1	
9	0	66	3	-0	0	-1	0	7.5	5.6	1.0	0.0	13.1	1	
10	0	-5340	-0	-6	0	-11	-1	610.3	112.0	1.9	0.0	722.3	1	
11	0	-2425	-0	-3	0	-5	-0	277.1	54.1	1.0	0.0	331.3	1	
12	0	-2681	-0	-4	0	-7	-1	306.4	73.3	1.2	0.0	379.7	1	
13	0	-917	-1	-2	0	-3	-0	104.8	28.3	0.6	0.0	133.1	1	
14	0	-4839	6	-4	0	-9	-1	553.0	92.8	2.0	0.0	645.9	1	
15	0	-1629	3	-2	0	-3	-0	186.2	33.9	1.1	0.0	220.0	1	
16	0	-2221	3	-3	0	-6	-0	253.8	62.0	1.1	0.0	315.8	1	
17	0	-30	3	-0	0	-1	0	3.4	7.0	1.0	0.0	10.4	1	
1A	107	-4824	-0	0	0	-2	3	551.3	32.1	0.1	0.0	583.4	6	
1E	107	-838	-0	0	0	-2	3	95.8	32.1	0.1	0.0	127.9	6	
1I	107	-3641	-0	1	0	-0	3	416.1	28.1	0.2	0.0	444.2	6	
1M	107	-2021	-0	1	0	-0	3	231.0	28.1	0.2	0.0	259.1	6	
2	107	-4412	1	-4	0	-4	-1	504.3	45.5	1.3	0.0	549.8	1	
3	107	-1810	0	-2	0	-2	-0	206.8	19.9	0.6	0.0	226.7	1	
4	107	-2087	0	-3	0	-3	-0	238.5	29.8	0.9	0.0	268.3	1	
5	107	-275	0	-1	0	-1	-0	31.5	6.7	0.2	0.0	38.2	1	
6	107	-4849	0	-4	0	-5	2	554.2	54.6	1.3	0.0	608.8	1	
7	107	-1601	0	-1	0	-2	2	183.0	22.4	0.5	0.0	205.3	6	
8	107	-2204	0	-3	0	-3	2	251.9	35.5	0.9	0.0	287.4	1	
9	107	71	-0	-0	0	-0	2	8.2	18.7	0.1	0.0	26.9	6	
10	107	-5324	1	-5	0	-5	-1	608.5	55.0	1.6	0.0	663.5	1	
11	107	-2416	0	-2	0	-3	-0	276.1	26.3	0.8	0.0	302.3	1	
12	107	-2671	0	-3	0	-3	-0	305.3	35.7	1.1	0.0	341.0	1	
13	107	-907	0	-1	0	-1	-0	103.7	13.2	0.4	0.0	116.9	1	
14	107	-4829	0	-4	0	-5	3	551.9	55.4	1.3	0.0	607.3	1	
15	107	-1624	0	-2	0	-2	2	185.5	22.4	0.5	0.0	208.0	6	
16	107	-2215	0	-3	0	-3	2	253.1	35.4	0.9	0.0	288.6	1	
17	107	-24	-0	-0	0	-0	2	2.7	18.9	0.1	0.0	21.6	6	
1A	213	-4819	-5	0	0	-2	-0	550.7	21.4	1.8	0.0	572.1	1	
1E	213	-833	-5	0	0	-2	-0	95.2	21.4	1.8	0.0	116.6	1	
1I	213	-3636	-5	1	0	-1	-0	415.5	12.3	1.8	0.0	427.8	1	
1M	213	-2016	-5	1	0	-1	-0	230.4	12.3	1.8	0.0	242.7	1	
2	213	-4397	2	-3	0	-1	1	502.5	9.9	1.0	0.0	512.4	6	
3	213	-1800	1	-1	0	-0	0	205.7	5.8	0.4	0.0	211.5	6	
4	213	-2077	1	-2	0	-0	0	237.4	5.3	0.7	0.0	242.7	6	
5	213	-266	1	-0	0	-0	0	30.3	4.9	0.3	0.0	35.2	6	
6	213	-4840	-5	-4	0	-0	0	553.1	4.4	1.5	0.0	557.5	1	
7	213	-1595	-3	-1	0	-0	0	182.3	1.9	1.0	0.0	184.1	1	
8	213	-2198	-3	-3	0	-0	0	251.2	1.3	1.0	0.0	252.5	1	
9	213	77	-3	-0	0	-0	0	8.8	1.0	1.1	0.0	9.8	1	
10	213	-5309	2	-4	0	-1	1	606.7	10.0	1.3	0.0	616.8	6	
11	213	-2406	1	-2	0	-0	0	275.0	5.9	0.6	0.0	280.8	6	
12	213	-2661	1	-3	0	-0	0	304.1	5.4	0.9	0.0	309.5	6	
13	213	-898	1	-1	0	-0	0	102.6	5.0	0.3	0.0	107.6	6	
14	213	-4819	-5	-4	0	-0	0	550.7	4.3	1.7	0.0	555.1	1	
15	213	-1618	-3	-1	0	-0	0	184.9	1.7	1.0	0.0	186.7	1	
16	213	-2209	-3	-3	0	-0	0	252.5	1.3	1.0	0.0	253.7	1	
17	213	-18	-3	-0	0	-0	0	2.1	0.9	1.1	0.0	3.0	4	

ASTA NUM. 55 NI 32 NF 21 Lungh. 213.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.3328	-1.3332	--	--	4.8872	-1.7788 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5419	5	5	0	9	0	619.3	90.0	1.7	0.0	709.3	1	
1E	0	-1433	5	5	0	9	0	163.8	90.0	1.7	0.0	253.8	1	
1I	0	-4235	5	5	0	11	0	484.0	108.3	1.7	0.0	592.3	1	
1M	0	-2617	5	5	0	11	0	299.1	108.3	1.7	0.0	407.4	1	
2	0	-5902	-0	5	0	10	-1	674.5	105.9	1.8	0.0	780.4	1	
3	0	-4297	-0	4	0	8	-1	491.1	77.0	1.3	0.0	568.1	1	
4	0	-3647	-0	3	0	5	-1	416.8	50.4	0.9	0.0	467.2	1	
5	0	-5322	-0	5	0	9	-1	608.2	93.6	1.5	0.0	701.8	1	
6	0	-5623	6	4	0	9	-1	642.6	88.3	1.9	0.0	731.0	1	
7	0	-4506	4	3	0	7	-1	515.0	72.8	1.2	0.0	587.8	1	
8	0	-3588	4	2	0	4	-0	410.1	38.2	1.2	0.0	448.2	1	
9	0	-5651	4	4	0	9	-1	645.8	91.5	1.3	0.0	737.4	1	
10	0	-6130	-0	5	0	11	-1	700.6	107.0	1.8	0.0	807.6	1	
11	0	-4475	-0	4	0	8	-1	511.4	78.4	1.3	0.0	589.8	1	
12	0	-3779	-0	3	0	5	-1	431.9	51.2	0.9	0.0	483.1	1	
13	0	-5503	-0	5	0	9	-1	628.9	95.4	1.5	0.0	724.3	1	
14	0	-5604	6	4	0	9	-1	640.5	88.0	2.0	0.0	728.5	1	
15	0	-4528	4	3	0	7	-1	517.5	73.4	1.2	0.0	590.9	1	
16	0	-3559	4	2	0	4	-0	406.7	38.3	1.2	0.0	445.0	1	
17	0	-5710	4	4	0	9	-1	652.6	93.4	1.4	0.0	745.9	1	
1A	107	-5413	-0	5	0	4	3	618.7	46.5	1.6	0.0	665.2	1	
1E	107	-1428	-0	5	0	4	3	163.2	46.5	1.6	0.0	209.7	1	
1I	107	-4230	-0	5	0	5	3	483.4	60.3	1.7	0.0	543.7	1	
1M	107	-2611	-0	5	0	5	3	298.4	60.3	1.7	0.0	358.7	1	
2	107	-5886	1	5	0	5	-1	672.7	52.5	1.5	0.0	725.3	1	
3	107	-4287	1	3	0	4	-1	489.9	38.4	1.1	0.0	528.3	1	
4	107	-3637	1	2	0	2	-0	415.7	25.2	0.7	0.0	440.9	1	
5	107	-5312	1	4	0	5	-1	607.1	46.9	1.3	0.0	654.0	1	

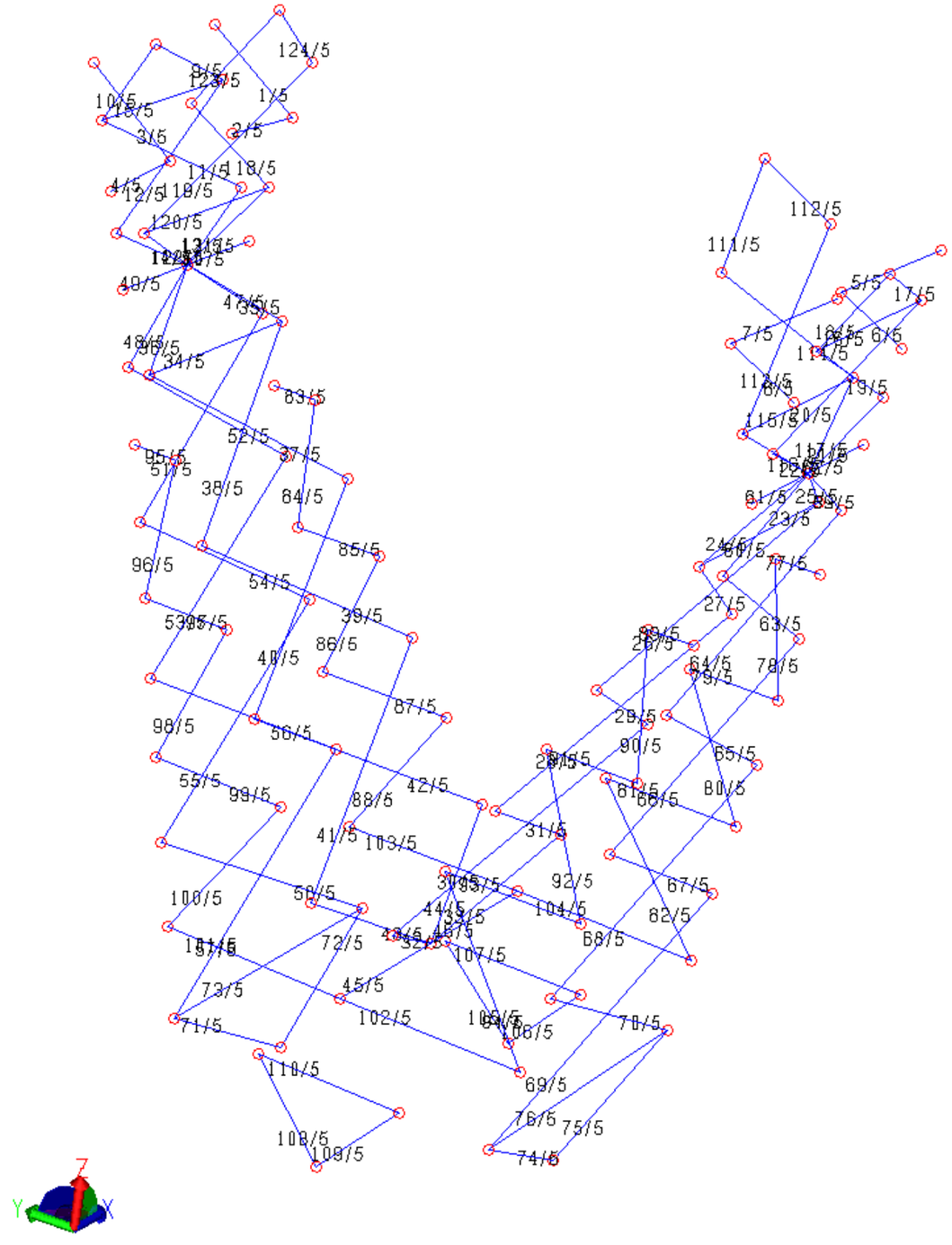
6	107	-5614	1	4	0	4	3	641.5	52.8	1.3	0.0	694.3	1
7	107	-4500	0	3	0	4	1	514.3	41.3	1.0	0.0	555.6	1
8	107	-3583	0	2	0	2	2	409.4	25.3	0.5	0.0	434.7	1
9	107	-5645	1	4	0	5	1	645.1	50.2	1.3	0.0	695.4	1
10	107	-6114	1	5	0	5	-1	698.7	53.1	1.5	0.0	751.8	1
11	107	-4466	1	3	0	4	-1	510.3	39.0	1.1	0.0	549.4	1
12	107	-3769	1	2	0	2	-0	430.7	25.6	0.7	0.0	456.4	1
13	107	-5494	1	4	0	5	-1	627.8	47.8	1.3	0.0	675.6	1
14	107	-5594	1	4	0	4	3	639.3	53.6	1.2	0.0	692.9	1
15	107	-4522	0	3	0	4	1	516.9	41.6	1.0	0.0	558.4	1
16	107	-3554	0	2	0	2	2	406.1	25.3	0.5	0.0	431.4	1
17	107	-5704	1	4	0	5	1	651.9	51.0	1.3	0.0	702.9	1
1A	213	-5408	-5	5	0	-2	-0	618.0	16.6	1.7	0.0	634.6	1
1E	213	-1422	-5	5	0	-2	-0	162.5	16.6	1.7	0.0	179.2	1
1I	213	-4224	-5	5	0	-1	-0	482.8	7.5	1.7	0.0	490.2	1
1M	213	-2606	-5	5	0	-1	-0	297.8	7.5	1.7	0.0	305.3	1
2	213	-5871	2	4	0	1	1	671.0	11.3	1.2	0.0	682.2	6
3	213	-4277	1	3	0	0	1	488.8	7.4	0.9	0.0	496.2	6
4	213	-3627	1	2	0	1	1	414.5	7.8	0.5	0.0	422.3	6
5	213	-5302	2	3	0	1	1	605.9	8.1	1.1	0.0	614.0	6
6	213	-5604	-5	4	0	0	0	640.5	5.9	1.5	0.0	646.4	1
7	213	-4494	-3	3	0	0	0	513.6	4.4	1.0	0.0	518.0	1
8	213	-3577	-3	1	0	0	0	408.8	4.9	0.9	0.0	413.7	1
9	213	-5639	-3	4	0	0	0	644.5	5.2	1.3	0.0	649.7	1
10	213	-6098	2	4	0	1	1	696.9	11.3	1.2	0.0	708.2	6
11	213	-4456	1	3	0	0	1	509.3	7.4	0.9	0.0	516.7	6
12	213	-3759	1	2	0	1	1	429.6	7.8	0.5	0.0	437.4	6
13	213	-5484	2	4	0	1	1	626.7	8.1	1.2	0.0	634.8	6
14	213	-5584	-5	4	0	0	0	638.2	5.9	1.7	0.0	644.0	1
15	213	-4517	-3	3	0	0	0	516.2	4.3	1.0	0.0	520.5	1
16	213	-3548	-3	1	0	0	0	405.5	4.7	0.9	0.0	410.2	1
17	213	-5698	-3	4	0	0	0	651.2	5.1	1.3	0.0	656.3	1

ASTA NUM. 56 NI 32 NF 22 Lungh. 213.5 cm SEZ. 4 Ps L 90X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.3328	1.3332	--	--	4.8872	11.5532 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	819	5	5	0	10	1	93.6	101.5	1.8	0.0	195.1	1	
1E	0	4805	5	5	0	10	1	549.1	101.5	1.8	0.0	650.6	1	
1I	0	2003	5	6	0	12	1	228.9	119.8	1.9	0.0	348.7	1	
1M	0	3621	5	6	0	12	1	413.9	119.8	1.9	0.0	533.7	1	
2	0	5090	15	6	0	12	1	581.7	117.0	4.9	0.0	698.7	1	
3	0	3409	9	5	0	9	1	389.6	86.2	3.0	0.0	475.8	1	
4	0	2043	9	4	0	6	0	233.5	64.3	3.1	0.0	297.7	1	
5	0	3648	9	6	0	11	1	416.9	108.0	3.0	0.0	524.9	1	
6	0	4821	9	5	0	10	1	551.0	99.2	2.9	0.0	650.2	1	
7	0	3411	6	4	0	8	1	389.8	83.2	1.8	0.0	473.0	1	
8	0	1715	6	3	0	5	0	196.0	53.7	1.9	0.0	249.7	1	
9	0	3690	5	5	0	11	1	421.7	107.6	1.8	0.0	529.3	1	
10	0	5341	15	6	0	12	1	610.4	118.3	4.9	0.0	728.7	1	
11	0	3600	9	5	0	9	1	411.4	87.7	3.0	0.0	499.1	1	
12	0	2211	9	4	0	6	0	252.7	65.0	3.1	0.0	317.7	1	
13	0	3869	9	6	0	11	1	442.2	109.7	3.0	0.0	551.8	1	
14	0	4840	9	5	0	10	1	553.1	99.5	3.1	0.0	652.7	1	
15	0	3455	6	4	0	8	1	394.9	83.9	1.8	0.0	478.7	1	
16	0	1744	6	3	0	5	0	199.3	53.6	1.9	0.0	252.9	1	
17	0	3813	5	5	0	11	1	435.8	109.2	1.8	0.0	545.0	1	
1A	107	824	-1	5	0	4	3	94.2	49.8	1.8	0.0	144.0	1	
1E	107	4810	-1	5	0	4	3	549.7	49.8	1.8	0.0	599.5	1	
1I	107	2008	-1	6	0	5	3	229.5	63.5	1.9	0.0	293.0	1	
1M	107	3626	-1	6	0	5	3	414.4	63.5	1.9	0.0	477.9	1	
2	107	5089	-1	5	0	5	8	581.5	102.5	1.8	0.0	684.0	6	
3	107	3408	-1	4	0	4	5	389.5	66.9	1.3	0.0	456.4	6	
4	107	2042	-0	3	0	3	5	233.4	62.0	1.0	0.0	295.4	6	
5	107	3647	-1	5	0	5	5	416.8	71.7	1.6	0.0	488.5	6	
6	107	4826	-0	5	0	5	5	551.5	68.5	1.5	0.0	620.1	6	
7	107	3414	-0	4	0	4	3	390.2	51.0	1.3	0.0	441.2	1	
8	107	1718	-0	3	0	2	3	196.3	40.8	0.8	0.0	237.2	6	
9	107	3693	-0	5	0	5	4	422.1	63.1	1.7	0.0	485.1	1	
10	107	5340	-1	5	0	5	8	610.2	102.7	1.8	0.0	713.0	6	
11	107	3599	-1	4	0	4	5	411.3	67.2	1.3	0.0	478.5	6	
12	107	2210	-0	3	0	3	5	252.6	62.1	1.0	0.0	314.7	6	
13	107	3868	-1	5	0	5	5	442.1	72.0	1.7	0.0	514.1	6	
14	107	4846	-0	5	0	5	6	553.8	71.4	1.5	0.0	625.1	6	
15	107	3459	-0	4	0	4	3	395.3	51.5	1.3	0.0	446.7	1	
16	107	1747	-0	3	0	2	3	199.7	40.8	0.8	0.0	240.5	6	
17	107	3816	-0	5	0	5	4	436.1	63.9	1.7	0.0	500.0	1	
1A	213	829	-6	5	0	-2	-0	94.8	21.6	1.9	0.0	116.4	1	
1E	213	4815	-6	5	0	-2	-0	550.3	21.6	1.9	0.0	571.9	1	
1I	213	2013	-6	6	0	-1	-0	230.0	12.5	1.9	0.0	242.5	1	
1M	213	3631	-6	6	0	-1	-0	415.0	12.5	1.9	0.0	427.5	1	
2	213	5087	-17	4	0	0	-1	581.4	8.6	5.4	0.0	590.0	6	
3	213	3407	-10	3	0	0	-1	389.4	5.1	3.4	0.0	394.4	6	
4	213	2041	-10	2	0	-0	-0	233.3	4.6	3.4	0.0	237.9	6	
5	213	3646	-11	4	0	-0	-0	416.7	4.8	3.4	0.0	421.5	6	
6	213	4831	-10	4	0	-0	-0	552.1	3.4	3.2	0.0	555.5	6	
7	213	3417	-6	4	0	-0	-0	390.5	2.0	2.0	0.0	392.5	6	
8	213	1721	-6	2	0	-0	-0	196.7	2.4	2.0	0.0	199.1	1	
9	213	3696	-6	5	0	-0	-0	422.4	2.3	2.1	0.0	424.7	1	
10	213	5338	-17	5	0	0	-1	610.1	8.8	5.4	0.0	618.8	6	
11	213	3598	-10	3	0	0	-1	411.2	5.2	3.4	0.0	416.4	6	
12	213	2209	-10	2	0	-0	-0	252.5	4.7	3.4	0.0	257.2	6	
13	213	3867	-11	5	0	-0	-0	441.9	4.8	3.4	0.0	446.7	6	
14	213	4851	-10	4	0	-0	-0	554.4	3.3	3.4	0.0	557.7	6	
15	213	3462	-6	4	0	-0	-0	395.7	1.9	2.0	0.0	397.6	6	
16	213	1750	-6	2	0	-0	-0	200.0	2.3	2.0	0.0	202.3	1	
17	213	3819	-6	5	0	-0	-0	436.5	2.2	2.1	0.0	438.6	1	

11 VERIFICA TRALICCI BRACCI DI SOSTEGNO DELLE MENSOLE



NUMERO ASTE

Lavoro: **verifica traliccio fondazioni v1** Intestazione lavoro: **verifica traliccio EY 16**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **5** Descrizione: **Tralicci bracci**
Tabella: **tralicci 510**
Tipo acciaio: **S 355 (Fe 510)**

ASTA NUM. 1 NI 153 NF 127 Lungh. 86.1 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.6212	0.4053	--	--	1.9679	3.9944 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-7	1	-0	0	-0	0	2.3	2.0	0.8	0.0	4.2	6	
1E	0	-3	1	-0	0	-0	0	1.1	2.0	0.8	0.0	3.1	6	
1I	0	-10	1	-0	0	-0	0	3.4	2.1	0.8	0.0	5.5	6	
1M	0	0	1	-0	0	-0	0	0.1	2.1	0.8	0.0	2.1	6	
2	0	-60	2	0	0	-0	0	19.5	3.6	2.0	0.0	23.1	6	
3	0	-38	1	0	0	-0	0	12.2	2.0	1.3	0.0	14.3	6	
4	0	-40	1	0	0	-0	0	13.0	1.7	1.3	0.0	14.7	6	
5	0	-39	1	0	0	-0	0	12.6	2.0	1.3	0.0	14.6	6	
6	0	-21	1	-0	0	-0	0	6.9	3.6	1.3	0.0	10.5	6	
7	0	-14	1	-0	0	-0	0	4.4	2.0	0.8	0.0	6.4	6	
8	0	-16	1	-0	0	-0	0	5.1	1.6	0.8	0.0	6.7	6	
9	0	-15	1	-0	0	-0	0	4.8	2.1	0.8	0.0	6.8	6	
10	0	-59	2	0	0	-0	0	19.3	3.9	2.0	0.0	23.2	6	
11	0	-37	1	0	0	-0	0	12.1	2.2	1.3	0.0	14.3	6	
12	0	-41	1	0	0	0	0	13.2	1.8	1.3	0.0	15.0	6	
13	0	-38	1	0	0	-0	0	12.4	2.2	1.3	0.0	14.6	6	
14	0	-18	2	-0	0	-0	0	5.8	3.8	1.4	0.0	9.6	6	
15	0	-12	1	-0	0	-0	0	3.7	2.1	0.8	0.0	5.8	6	
16	0	-15	1	-0	0	0	0	4.9	1.7	0.8	0.0	6.6	6	
17	0	-12	1	-0	0	-0	0	3.9	2.2	0.8	0.0	6.1	6	
1A	43	-6	-0	-0	0	0	0	2.1	13.6	0.0	0.0	15.7	6	
1E	43	-3	-0	-0	0	0	0	0.9	13.6	0.0	0.0	14.5	6	
1I	43	-10	-0	-0	0	0	0	3.2	13.6	0.0	0.0	16.7	6	
1M	43	1	-0	-0	0	0	0	0.3	13.6	0.0	0.0	13.8	6	
2	43	-61	-0	-0	0	-0	1	19.8	33.4	0.0	0.0	53.1	6	
3	43	-38	-0	-0	0	-0	0	12.4	20.8	0.0	0.0	33.1	6	
4	43	-40	-0	-0	0	-0	0	13.1	20.5	0.0	0.0	33.6	6	
5	43	-39	-0	-0	0	-0	0	12.7	20.7	0.0	0.0	33.5	6	
6	43	-21	-0	-0	0	0	0	6.7	22.9	0.0	0.0	29.7	6	
7	43	-13	-0	-0	0	0	0	4.3	14.1	0.0	0.0	18.5	6	
8	43	-15	-0	-0	0	0	0	5.0	14.0	0.0	0.0	19.0	6	
9	43	-14	-0	-0	0	0	0	4.7	14.2	0.0	0.0	18.8	6	
10	43	-60	-0	-0	0	0	1	19.5	33.8	0.0	0.0	53.3	6	
11	43	-38	-0	-0	0	0	0	12.2	21.0	0.0	0.0	33.2	6	
12	43	-41	-0	-0	0	0	0	13.3	20.8	0.0	0.0	34.1	6	
13	43	-38	-0	-0	0	-0	0	12.5	21.0	0.0	0.0	33.4	6	
14	43	-17	-0	-0	0	0	0	5.6	24.6	0.0	0.0	30.2	6	
15	43	-11	-0	-0	0	0	0	3.6	14.4	0.0	0.0	18.0	6	
16	43	-15	-0	-0	0	0	0	4.8	14.2	0.0	0.0	19.0	6	
17	43	-12	-0	-0	0	0	0	3.8	14.5	0.0	0.0	18.2	6	
1A	86	-6	-1	-0	0	0	0	1.9	1.7	0.8	0.0	3.6	6	
1E	86	-2	-1	-0	0	0	0	0.7	1.7	0.8	0.0	2.4	6	
1I	86	-9	-1	-0	0	0	0	3.0	1.6	0.8	0.0	4.6	6	
1M	86	1	-1	-0	0	0	0	0.4	1.6	0.8	0.0	2.1	6	
2	86	-61	-2	-0	0	0	0	20.0	2.1	2.1	0.0	22.1	1	
3	86	-38	-1	-0	0	0	0	12.5	1.2	1.3	0.0	13.7	1	
4	86	-41	-1	-0	0	0	0	13.3	1.3	1.3	0.0	14.6	1	
5	86	-40	-1	-0	0	0	0	12.9	1.2	1.3	0.0	14.1	1	
6	86	-20	-1	-0	0	0	0	6.6	2.5	1.4	0.0	9.1	6	
7	86	-13	-1	-0	0	0	0	4.2	1.4	0.9	0.0	5.6	6	
8	86	-15	-1	-0	0	0	0	4.9	1.4	0.8	0.0	6.3	6	
9	86	-14	-1	-0	0	0	0	4.6	1.4	0.9	0.0	6.0	6	
10	86	-61	-2	-0	0	0	0	19.7	2.8	2.1	0.0	22.5	1	
11	86	-38	-1	-0	0	0	0	12.4	1.6	1.3	0.0	14.0	1	
12	86	-41	-1	-0	0	0	0	13.4	1.7	1.3	0.0	15.2	1	
13	86	-39	-1	-0	0	0	0	12.6	1.6	1.3	0.0	14.2	1	
14	86	-17	-2	-0	0	0	0	5.4	3.2	1.4	0.0	8.6	6	
15	86	-11	-1	-0	0	0	0	3.5	1.8	0.8	0.0	5.3	6	
16	86	-15	-1	-0	0	0	0	4.7	1.8	0.8	0.0	6.5	6	
17	86	-11	-1	-0	0	0	0	3.7	1.8	0.8	0.0	5.5	6	

ASTA NUM. 2 NI 155 NF 153 Lungh. 55.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.9600	-0.2400	--	--	2.1625	0.9625 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	5	1	-0	0	-0	-0	1.6	2.9	0.7	0.0	4.5	6	
1E	0	7	1	-0	0	-0	-0	2.4	2.9	0.7	0.0	5.3	6	
1I	0	3	1	-0	0	-0	-0	1.0	2.9	0.7	0.0	3.9	6	
1M	0	9	1	-0	0	-0	-0	3.0	2.9	0.7	0.0	6.0	6	
2	0	37	1	-0	0	-0	-0	12.1	4.5	0.7	0.0	16.6	6	
3	0	24	0	-0	0	-0	-0	7.7	2.6	0.4	0.0	10.2	6	
4	0	27	0	-0	0	-0	-0	8.6	2.1	0.4	0.0	10.7	6	
5	0	25	0	-0	0	-0	-0	8.1	2.6	0.4	0.0	10.6	6	
6	0	15	1	-0	0	-0	-0	4.9	4.9	0.9	0.0	9.8	6	
7	0	10	1	-0	0	-0	-0	3.4	2.7	0.6	0.0	6.1	6	
8	0	13	1	-0	0	-0	-0	4.2	2.3	0.6	0.0	6.5	6	
9	0	11	1	-0	0	-0	-0	3.7	2.8	0.6	0.0	6.5	6	
10	0	36	1	-0	0	-0	-0	11.8	5.2	0.7	0.0	17.0	6	
11	0	23	0	-0	0	-0	-0	7.5	3.0	0.4	0.0	10.5	6	
12	0	27	0	-0	0	-0	-0	8.8	2.5	0.4	0.0	11.3	6	
13	0	24	0	-0	0	-0	-0	7.8	3.0	0.4	0.0	10.8	6	
14	0	13	1	-0	0	-0	-0	4.1	5.6	1.0	0.0	9.6	6	
15	0	8	1	-0	0	-0	-0	2.7	3.1	0.6	0.0	5.8	6	
16	0	13	1	-0	0	-0	-0	4.1	2.6	0.6	0.0	6.6	6	
17	0	9	1	-0	0	-0	-0	2.8	3.2	0.6	0.0	6.0	6	
1A	28	5	0	-0	0	-0	0	1.7	5.6	0.1	0.0	7.3	6	
1E	28	8	0	-0	0	-0	0	2.5	5.6	0.1	0.0	8.0	6	
1I	28	3	0	-0	0	-0	0	1.1	5.5	0.1	0.0	6.6	6	
1M	28	10	0	-0	0	-0	0	3.1	5.5	0.1	0.0	8.6	6	
2	28	38	0	-0	0	-0	0	12.5	4.7	0.2	0.0	17.1	6	
3	28	24	0	-0	0	-0	0	7.9	2.3	0.1	0.0	10.3	6	
4	28	27	0	-0	0	-0	0	8.9	2.3	0.1	0.0	11.2	6	
5	28	26	0	-0	0	-0	0	8.3	2.4	0.1	0.0	10.7	6	
6	28	16	0	-0	0	-0	0	5.1	7.2	0.2	0.0	12.3	6	
7	28	11	0	-0	0	-0	0	3.5	4.5	0.1	0.0	7.9	6	
8	28	13	0	-0	0	-0	0	4.3	4.4	0.1	0.0	8.7	6	
9	28	12	0	-0	0	-0	0	3.8	4.5	0.1	0.0	8.2	6	
10	28	37	0	-0	0	-0	0	12.2	3.8	0.3	0.0	15.9	6	
11	28	24	0	-0	0	-0	0	7.8	2.3	0.2	0.0	10.1	6	
12	28	28	0	-0	0	-0	0	9.0	2.3	0.1	0.0	11.3	6	
13	28	25	0	-0	0	-0	0	8.1	2.4	0.1	0.0	10.4	6	
14	28	13	0	-0	0	-0	0	4.3	7.4	0.3	0.0	11.6	6	
15	28	9	0	-0	0	-0	0	2.8	4.3	0.1	0.0	7.1	6	
16	28	13	0	-0	0	-0	0	4.2	4.2	0.1	0.0	8.4	6	
17	28	9	0	-0	0	-0	0	3.0	4.3	0.1	0.0	7.2	6	
1A	56	6	-0	-0	0	-0	0	1.8	2.8	0.4	0.0	4.6	6	
1E	56	8	-0	-0	0	-0	0	2.6	2.8	0.4	0.0	5.4	6	
1I	56	4	-0	-0	0	-0	0	1.2	2.7	0.4	0.0	3.9	6	
1M	56	10	-0	-0	0	-0	0	3.2	2.7	0.4	0.0	5.9	6	
2	56	40	-0	-0	0	0	0	12.9	5.3	0.2	0.0	18.1	6	
3	56	25	-0	-0	0	0	0	8.2	3.1	0.1	0.0	11.3	6	
4	56	28	-0	-0	0	0	0	9.1	2.7	0.1	0.0	11.8	6	
5	56	26	-0	-0	0	-0	0	8.6	3.0	0.1	0.0	11.6	6	
6	56	16	-0	-0	0	-0	0	5.3	5.1	0.4	0.0	10.4	6	
7	56	11	-0	-0	0	-0	0	3.6	2.3	0.3	0.0	5.9	6	
8	56	14	-0	-0	0	0	0	4.4	2.3	0.3	0.0	6.7	6	
9	56	12	-0	-0	0	-0	0	3.9	2.9	0.3	0.0	6.8	6	
10	56	39	-0	-0	0	0	0	12.6	5.4	0.2	0.0	17.9	6	
11	56	25	-0	-0	0	0	0	8.0	3.1	0.1	0.0	11.2	6	
12	56	29	-0	-0	0	0	0	9.3	2.7	0.1	0.0	12.0	6	
13	56	26	-0	-0	0	0	0	8.3	3.1	0.1	0.0	11.4	6	
14	56	14	-1	-0	0	0	0	4.5	5.0	0.5	0.0	9.5	6	
15	56	9	-0	-0	0	0	0	3.0	2.3	0.3	0.0	5.2	6	
16	56	13	-0	-0	0	0	0	4.3	2.3	0.3	0.0	6.6	6	
17	56	9	-0	-0	0	0	0	3.1	2.3	0.3	0.0	5.3	6	

ASTA NUM. 3 NI 152 NF 129 Lungh. 86.1 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.6212	0.4053	--	--	1.9679	3.9944 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-1	1	0	0	0	0	0.4	2.4	0.8	0.0	2.8	6	
1E	0	2	1	0	0	0	0	0.8	2.4	0.8	0.0	3.2	6	
1I	0	-4	1	0	0	0	0	1.4	2.4	0.8	0.0	3.8	6	
1M	0	6	1	0	0	0	0	1.8	2.4	0.8	0.0	4.3	6	
2	0	-51	2	-0	0	0	0	16.5	4.1	2.0	0.0	20.6	6	
3	0	-29	1	-0	0	0	0	9.5	2.6	1.3	0.0	12.1	6	
4	0	-28	1	-0	0	0	0	9.1	2.7	1.3	0.0	11.8	6	
5	0	-33	1	-0	0	0	0	10.6	2.3	1.3	0.0	12.8	6	

6	0	-12	1	0	0	0	0	3.9	4.1	1.3	0.0	8.0	6
7	0	-4	1	0	0	0	0	1.2	2.6	0.8	0.0	3.8	6
8	0	-3	1	-0	0	0	0	0.9	2.8	0.8	0.0	3.7	6
9	0	-9	1	0	0	0	0	2.8	2.2	0.8	0.0	5.0	6
10	0	-49	2	-0	0	0	0	15.8	4.3	2.0	0.0	20.1	6
11	0	-28	1	-0	0	0	0	9.1	2.7	1.3	0.0	11.8	6
12	0	-27	1	-0	0	0	0	8.9	2.8	1.3	0.0	11.6	6
13	0	-31	1	-0	0	0	0	10.1	2.4	1.3	0.0	12.4	6
14	0	-8	2	0	0	0	0	2.7	4.3	1.4	0.0	7.0	6
15	0	-2	1	0	0	0	0	0.5	2.7	0.8	0.0	3.2	6
16	0	-1	1	0	0	0	0	0.4	2.9	0.8	0.0	3.3	6
17	0	-6	1	0	0	0	0	1.9	2.3	0.8	0.0	4.2	6
1A	43	-0	-0	0	0	0	0	0.2	13.8	0.0	0.0	13.9	6
1E	43	3	-0	0	0	0	0	1.0	13.8	0.0	0.0	14.7	6
1I	43	-4	-0	0	0	-0	0	1.2	13.7	0.0	0.0	15.0	6
1M	43	6	-0	0	0	-0	0	2.0	13.7	0.0	0.0	15.8	6
2	43	-51	-0	0	0	0	1	16.7	33.9	0.0	0.0	50.6	6
3	43	-30	-0	0	0	0	0	9.6	21.2	0.0	0.0	30.8	6
4	43	-28	-0	0	0	0	0	9.3	21.3	0.0	0.0	30.5	6
5	43	-33	-0	0	0	0	0	10.7	21.0	0.0	0.0	31.7	6
6	43	-12	-0	0	0	-0	0	3.8	23.4	0.0	0.0	27.1	6
7	43	-4	-0	0	0	-0	0	1.2	14.5	0.0	0.0	15.7	6
8	43	-3	-0	0	0	0	0	0.8	14.7	0.0	0.0	15.5	6
9	43	-8	-0	0	0	-0	0	2.7	14.4	0.0	0.0	17.1	6
10	43	-49	-0	0	0	0	1	16.0	34.4	0.0	0.0	50.4	6
11	43	-28	-0	0	0	0	0	9.2	21.4	0.0	0.0	30.7	6
12	43	-28	-0	0	0	0	0	9.0	21.5	0.0	0.0	30.5	6
13	43	-31	-0	0	0	0	0	10.2	21.3	0.0	0.0	31.4	6
14	43	-8	-0	0	0	-0	0	2.5	25.0	0.0	0.0	27.6	6
15	43	-1	-0	0	0	-0	0	0.4	14.8	0.0	0.0	15.2	6
16	43	-1	-0	0	0	0	0	0.3	14.9	0.0	0.0	15.2	6
17	43	-6	-0	0	0	-0	0	1.8	14.7	0.0	0.0	16.5	6
1A	86	0	-1	0	0	-0	0	0.0	1.7	0.8	0.0	1.8	6
1E	86	4	-1	0	0	-0	0	1.2	1.7	0.8	0.0	2.9	6
1I	86	-3	-1	0	0	-0	0	1.0	1.7	0.8	0.0	2.7	6
1M	86	7	-1	0	0	-0	0	2.2	1.7	0.8	0.0	4.0	6
2	86	-52	-2	0	0	-0	0	16.9	2.5	2.1	0.0	19.3	6
3	86	-30	-1	0	0	-0	0	9.7	1.4	1.3	0.0	11.2	6
4	86	-29	-1	0	0	-0	0	9.4	1.4	1.3	0.0	10.8	6
5	86	-33	-1	0	0	-0	0	10.8	1.5	1.3	0.0	12.3	1
6	86	-11	-1	0	0	-0	0	3.6	2.9	1.4	0.0	6.5	6
7	86	-3	-1	0	0	-0	0	1.1	1.6	0.9	0.0	2.7	6
8	86	-2	-1	0	0	-0	0	0.7	1.6	0.9	0.0	2.4	6
9	86	-8	-1	0	0	-0	0	2.6	1.7	0.9	0.0	4.3	6
10	86	-50	-2	0	0	-0	0	16.2	3.3	2.1	0.0	19.5	6
11	86	-29	-1	0	0	-0	0	9.3	1.9	1.3	0.0	11.3	6
12	86	-28	-1	0	0	-0	0	9.1	1.9	1.3	0.0	11.0	6
13	86	-32	-1	0	0	-0	0	10.3	1.9	1.3	0.0	12.2	6
14	86	-7	-2	0	0	-0	0	2.4	3.6	1.4	0.0	6.0	6
15	86	-1	-1	0	0	-0	0	0.3	2.1	0.9	0.0	2.4	6
16	86	-1	-1	0	0	-0	0	0.2	2.0	0.9	0.0	2.3	6
17	86	-5	-1	0	0	-0	0	1.7	2.1	0.8	0.0	3.8	6

ASTA NUM. 4 NI 154 NF 152 Lungh. 58.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.6967	-0.4242	--	--	1.9441	-0.1768 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-2	1	0	0	0	-0	0.7	4.0	0.7	0.0	4.7	6	
1E	0	0	1	0	0	0	-0	0.1	4.0	0.7	0.0	4.1	6	
1I	0	-4	1	0	0	0	-0	1.4	4.0	0.7	0.0	5.4	6	
1M	0	2	1	0	0	0	-0	0.8	4.0	0.7	0.0	4.7	6	
2	0	30	0	0	0	0	-0	9.7	5.8	0.3	0.0	15.4	6	
3	0	16	0	0	0	0	-0	5.1	3.6	0.2	0.0	8.6	6	
4	0	14	0	0	0	0	-0	4.6	3.7	0.2	0.0	8.4	6	
5	0	20	0	0	0	0	-0	6.6	3.2	0.2	0.0	9.8	6	
6	0	5	1	0	0	0	-0	1.6	6.5	0.8	0.0	8.0	6	
7	0	-1	1	0	0	0	-0	0.4	4.0	0.5	0.0	4.4	6	
8	0	-3	1	0	0	0	-0	0.9	4.2	0.5	0.0	5.2	6	
9	0	5	1	0	0	0	-0	1.7	3.6	0.5	0.0	5.3	6	
10	0	27	0	0	0	0	-0	8.9	6.7	0.3	0.0	15.6	6	
11	0	14	0	0	0	0	-0	4.7	4.1	0.2	0.0	8.8	6	
12	0	14	0	0	0	0	-0	4.4	4.3	0.2	0.0	8.7	6	
13	0	19	0	0	0	0	-0	6.0	3.8	0.2	0.0	9.8	6	
14	0	1	1	0	0	0	-0	0.4	7.1	0.9	0.0	7.5	6	
15	0	-4	1	0	0	0	-0	1.3	4.3	0.5	0.0	5.6	6	
16	0	-4	1	0	0	0	-0	1.4	4.6	0.5	0.0	6.0	6	
17	0	2	1	0	0	0	-0	0.6	3.9	0.5	0.0	4.5	6	
1A	29	-2	0	0	0	0	0	0.6	5.1	0.2	0.0	5.7	6	
1E	29	1	0	0	0	0	0	0.2	5.1	0.2	0.0	5.3	6	
1I	29	-4	0	0	0	0	0	1.3	5.1	0.2	0.0	6.4	6	
1M	29	3	0	0	0	0	0	0.9	5.1	0.2	0.0	6.0	6	
2	29	31	0	0	0	0	0	10.2	0.9	0.3	0.0	11.1	6	
3	29	17	0	0	0	0	0	5.4	0.7	0.2	0.0	6.1	6	
4	29	15	0	0	0	0	0	5.0	0.6	0.2	0.0	5.6	1	
5	29	21	0	0	0	0	0	6.9	0.6	0.1	0.0	7.5	6	
6	29	6	0	0	0	0	0	1.8	5.6	0.3	0.0	7.4	6	
7	29	-1	0	0	0	0	0	0.2	3.6	0.2	0.0	3.8	6	
8	29	-2	0	0	0	0	0	0.7	3.6	0.2	0.0	4.3	6	
9	29	6	0	0	0	0	0	1.9	3.5	0.2	0.0	5.4	6	
10	29	29	0	0	0	0	0	9.4	0.6	0.3	0.0	10.0	1	
11	29	15	0	0	0	0	0	5.0	0.4	0.2	0.0	5.4	1	
12	29	15	0	0	0	0	0	4.7	0.5	0.2	0.0	5.2	1	
13	29	20	0	0	0	0	0	6.4	0.3	0.2	0.0	6.7	1	
14	29	2	0	0	0	0	0	0.7	5.8	0.3	0.0	6.4	6	
15	29	-3	0	0	0	0	0	1.1	3.4	0.2	0.0	4.5	6	
16	29	-4	0	0	0	0	0	1.3	3.3	0.2	0.0	4.6	6	
17	29	2	0	0	0	0	0	0.8	3.3	0.2	0.0	4.1	6	
1A	59	-1	-0	0	0	-0	0	0.5	2.9	0.4	0.0	3.4	6	
1E	59	1	-0	0	0	-0	0	0.4	2.9	0.4	0.0	3.3	6	
1I	59	-4	-0	0	0	-0	0	1.1	2.8	0.4	0.0	3.9	6	
1M	59	3	-0	0	0	-0	0	1.1	2.8	0.4	0.0	3.8	6	
2	59	33	0	0	0	-0	0	10.7	5.8	0.2	0.0	16.5	6	
3	59	18	0	0	0	-0	0	5.7	3.6	0.1	0.0	9.4	6	
4	59	16	0	0	0	-0	0	5.3	3.7	0.1	0.0	9.0	6	
5	59	22	0	0	0	-0	0	7.3	3.3	0.1	0.0	10.5	6	
6	59	6	-0	0	0	-0	0	2.1	5.2	0.3	0.0	7.3	6	
7	59	-0	-0	0	0	-0	0	0.1	3.3	0.2	0.0	3.3	6	
8	59	-2	-0	0	0	0	0	0.6	3.4	0.2	0.0	4.0	6	
9	59	6	-0	0	0	-0	0	2.0	2.9	0.2	0.0	4.9	6	
10	59	31	0	0	0	-0	0	10.0	5.4	0.2	0.0	15.4	6	
11	59	16	0	0	0	-0	0	5.3	3.4	0.1	0.0	8.7	6	
12	59	16	0	0	0	-0	0	5.0	3.4	0.1	0.0	8.4	6	
13	59	21	0	0	0	-0	0	6.7	3.0	0.1	0.0	9.7	6	
14	59	3	-0	0	0	-0	0	0.9	5.1	0.3	0.0	6.0	6	
15	59	-3	-0	0	0	-0	0	0.9	3.2	0.2	0.0	4.1	6	
16	59	-3	-0	0	0	-0	0	1.1	3.2	0.2	0.0	4.3	6	
17	59	3	-0	0	0	-0	0	0.9	2.8	0.2	0.0	3.8	6	

ASTA NUM. 5 NI 149 NF 126 Lungh. 86.1 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.6212	-0.4053	--	--	1.9679	-0.0587 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-9	1	-0	0	0	-0	2.9	3.3	0.8	0.0	6.2	6	
1E	0	-5	1	-0	0	0	-0	1.7	3.3	0.8	0.0	5.0	6	
1I	0	-13	1	-0	0	-0	-0	4.1	3.3	0.8	0.0	7.3	6	
1M	0	-2	1	-0	0	-0	-0	0.6	3.3	0.8	0.0	3.9	6	
2	0	47	0	0	0	-0	-0	15.1	5.2	0.2	0.0	20.3	6	
3	0	27	0	0	0	-0	-0	8.7	3.4	0.1	0.0	12.1	6	
4	0	28	0	0	0	-0	-0	9.0	3.1	0.1	0.0	12.1	6	
5	0	25	0	0	0	-0	-0	8.0	3.5	0.1	0.0	11.5	6	
6	0	3	1	-0	0	-0	-0	0.9	5.6	0.9	0.0	6.5	6	
7	0	-3	1	-0	0	-0	-0	0.8	3.9	0.6	0.0	4.7	6	
8	0	0	1	-0	0	-0	-0	0.1	3.4	0.6	0.0	3.5	6	
9	0	-4	1	-0	0	-0	-0	1.2	3.9	0.6	0.0	5.1	6	
10	0	49	0	0	0	-0	-0	15.8	5.3	0.2	0.0	21.1	6	
11	0	28	0	0	0	-0	-0	9.0	3.5	0.1	0.0	12.5	6	
12	0	28	0	0	0	-0	-0	9.1	3.2	0.1	0.0	12.3	6	
13	0	26	0	0	0	-0	-0	8.5	3.5	0.1	0.0	12.0	6	
14	0	6	1	-0	0	-0	-0	2.0	5.4	1.0	0.0	7.4	6	
15	0	-1	1	-0	0	-0	-0	0.2	3.8	0.6	0.0	4.0	6	
16	0	1	1	-0	0	-0	-0	0.3	3.3	0.6	0.0	3.6	6	
17	0	-1	1	-0	0	-0	-0	0.4	3.6	0.6	0.0	4.1	6	
1A	43	-8	0	-0	0	0	0	2.7	9.8	0.0	0.0	12.5	6	
1E	43	-5	0	-0	0	0	0	1.6	9.8	0.0	0.0	11.4	6	
1I	43	-12	0	-0	0	0	0	3.9	9.8	0.0	0.0	13.6	6	
1M	43	-1	0	-0	0	0	0	0.4	9.8	0.0	0.0	10.2	6	
2	43	49	0	-0	0	0	-0	15.9	1.1	0.1	0.0	16.9	6	
3	43	28	0	-0	0	0	-0	9.1	0.7	0.1	0.0	9.8	6	
4	43	29	0	-0	0	0	-0	9.4	0.5	0.0	0.0	9.9	6	
5	43	26	0	-0	0	-0	-0	8.5	0.7	0.1	0.0	9.1	6	
6	43	4	0	-0	0	0	0	1.3	9.5	0.1	0.0	10.8	6	
7	43	-2	0	-0	0	0	0	0.6	5.7	0.0	0.0	6.3	6	
8	43	1	0	-0	0	0	0	0.3	6.0	0.0	0.0	6.3	6	
9	43	-3	0	-0	0	0	0	0.9	5.7	0.0	0.0	6.6	6	
10	43	51	0	-0	0	0	-0	16.6	1.0	0.1	0.0	17.6	6	
11	43	29	0	-0	0	0	-0	9.4	0.7	0.1	0.0	10.1	6	
12	43	29	0	-0	0	0	-0	9.6	0.5	0.1	0.0	10.1	6	

13	43	27	0	-0	0	-0	-0	8.9	0.7	0.1	0.0	9.6	6
14	43	8	0	-0	0	0	0	2.4	11.1	0.1	0.0	13.5	6
15	43	0	0	-0	0	0	0	0.0	6.0	0.1	0.0	6.0	6
16	43	2	0	-0	0	0	0	0.5	6.2	0.0	0.0	6.7	6
17	43	-1	0	-0	0	0	0	0.2	5.9	0.0	0.0	6.1	6
1A	86	-8	-1	-0	0	0	-0	2.5	2.0	0.8	0.0	4.5	1
1E	86	-4	-1	-0	0	0	-0	1.4	2.0	0.8	0.0	3.3	1
1I	86	-11	-1	-0	0	0	-0	3.7	1.9	0.8	0.0	5.6	1
1M	86	-1	-1	-0	0	0	-0	0.2	1.9	0.8	0.0	2.1	1
2	86	51	-0	-0	0	0	-0	16.6	3.0	0.1	0.0	19.6	1
3	86	30	-0	-0	0	0	-0	9.6	1.7	0.1	0.0	11.3	1
4	86	30	-0	-0	0	0	-0	9.9	1.6	0.1	0.0	11.5	1
5	86	28	-0	-0	0	0	-0	8.9	1.3	0.1	0.0	10.3	1
6	86	5	-1	-0	0	0	-0	1.7	2.9	0.8	0.0	4.6	1
7	86	-1	-1	-0	0	0	-0	0.3	1.6	0.5	0.0	1.9	1
8	86	2	-1	-0	0	0	-0	0.6	1.6	0.5	0.0	2.1	1
9	86	-2	-1	-0	0	0	-0	0.7	1.2	0.5	0.0	1.9	6
10	86	53	-0	-0	0	0	-0	17.3	3.0	0.1	0.0	20.3	1
11	86	31	-0	-0	0	0	-0	9.9	1.7	0.1	0.0	11.6	1
12	86	31	-0	-0	0	0	-0	10.0	1.6	0.1	0.0	11.6	1
13	86	29	-0	-0	0	0	-0	9.4	1.3	0.1	0.0	10.7	1
14	86	9	-1	-0	0	0	-0	2.9	2.5	0.9	0.0	5.4	1
15	86	1	-1	-0	0	0	-0	0.3	1.4	0.5	0.0	1.6	1
16	86	2	-1	-0	0	0	-0	0.8	1.3	0.5	0.0	2.1	1
17	86	0	-1	-0	0	0	-0	0.0	1.0	0.5	0.0	1.1	6

ASTA NUM. 6 NI 151 NF 149 Lungh. 55.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.9600	0.2400	--	--	2.1625	3.3625 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	17	0	-0	0	-0	0	5.6	3.6	0.4	0.0	9.3	6	
1E	0	20	0	-0	0	-0	0	6.4	3.6	0.4	0.0	10.0	6	
1I	0	15	0	-0	0	-0	0	5.0	3.7	0.4	0.0	8.6	6	
1M	0	22	0	-0	0	-0	0	7.1	3.7	0.4	0.0	10.7	6	
2	0	-6	1	-0	0	-0	0	2.1	5.0	0.9	0.0	7.1	6	
3	0	-2	1	-0	0	-0	0	0.6	3.3	0.6	0.0	3.9	6	
4	0	-3	1	-0	0	-0	0	0.9	3.1	0.6	0.0	4.0	6	
5	0	1	1	-0	0	-0	0	0.3	3.6	0.5	0.0	3.8	6	
6	0	21	1	-0	0	-0	0	6.7	6.0	0.6	0.0	12.7	6	
7	0	17	0	-0	0	-0	0	5.6	4.1	0.4	0.0	9.7	6	
8	0	14	0	-0	0	-0	0	4.6	3.7	0.4	0.0	8.2	6	
9	0	19	0	-0	0	-0	0	6.1	4.3	0.3	0.0	10.4	6	
10	0	-8	1	-0	0	-0	0	2.6	5.0	0.9	0.0	7.6	6	
11	0	-2	1	-0	0	-0	0	0.7	3.3	0.5	0.0	4.0	6	
12	0	-3	1	-0	0	-0	0	0.9	3.1	0.5	0.0	4.0	6	
13	0	-0	1	-0	0	-0	0	0.1	3.6	0.5	0.0	3.7	6	
14	0	18	1	-0	0	-0	0	5.8	5.3	0.6	0.0	11.2	6	
15	0	16	0	-0	0	-0	0	5.0	3.7	0.4	0.0	8.8	6	
16	0	14	0	-0	0	-0	0	4.5	3.4	0.4	0.0	7.9	6	
17	0	16	0	-0	0	-0	0	5.3	4.0	0.3	0.0	9.3	6	
1A	28	18	-0	-0	0	-0	0	5.7	5.4	0.2	0.0	11.2	6	
1E	28	20	-0	-0	0	-0	0	6.5	5.4	0.2	0.0	11.9	6	
1I	28	16	-0	-0	0	-0	0	5.1	5.4	0.2	0.0	10.5	6	
1M	28	22	-0	-0	0	-0	0	7.2	5.4	0.2	0.0	12.5	6	
2	28	-7	-0	-0	0	-0	0	2.2	10.6	0.3	0.0	12.8	6	
3	28	-2	-0	-0	0	-0	0	0.6	6.8	0.2	0.0	7.4	6	
4	28	-3	-0	-0	0	-0	0	1.0	6.7	0.2	0.0	7.7	6	
5	28	1	-0	-0	0	-0	0	0.2	6.7	0.2	0.0	6.9	6	
6	28	21	-0	-0	0	-0	0	6.8	8.3	0.3	0.0	15.1	6	
7	28	17	-0	-0	0	-0	0	5.6	5.4	0.2	0.0	11.0	6	
8	28	14	-0	-0	0	-0	0	4.6	5.3	0.2	0.0	9.9	6	
9	28	19	-0	-0	0	-0	0	6.2	5.3	0.2	0.0	11.4	6	
10	28	-8	-0	-0	0	-0	0	2.7	10.4	0.3	0.0	13.1	6	
11	28	-2	-0	-0	0	-0	0	0.8	6.7	0.2	0.0	7.4	6	
12	28	-3	-0	-0	0	-0	0	1.0	6.6	0.2	0.0	7.5	6	
13	28	-1	-0	-0	0	-0	0	0.2	6.7	0.2	0.0	6.8	6	
14	28	18	-0	-0	0	-0	0	5.9	8.5	0.3	0.0	14.5	6	
15	28	16	-0	-0	0	-0	0	5.1	5.2	0.2	0.0	10.3	6	
16	28	14	-0	-0	0	-0	0	4.5	5.1	0.2	0.0	9.6	6	
17	28	16	-0	-0	0	-0	0	5.4	5.2	0.2	0.0	10.6	6	
1A	56	18	-1	-0	0	-0	-0	5.8	3.7	0.7	0.0	9.5	6	
1E	56	20	-1	-0	0	-0	-0	6.6	3.7	0.7	0.0	10.3	6	
1I	56	16	-1	-0	0	0	-0	5.2	3.8	0.7	0.0	8.9	6	
1M	56	22	-1	-0	0	0	-0	7.3	3.8	0.7	0.0	11.0	6	
2	56	-7	-2	-0	0	0	-0	2.3	6.2	1.4	0.0	8.5	6	
3	56	-2	-1	-0	0	0	-0	0.7	3.8	0.9	0.0	4.5	6	
4	56	-3	-1	-0	0	0	-0	1.1	3.7	0.9	0.0	4.8	6	
5	56	0	-1	-0	0	0	-0	0.1	4.2	0.9	0.0	4.3	6	
6	56	21	-1	-0	0	0	-0	6.8	6.4	1.2	0.0	13.2	6	
7	56	17	-1	-0	0	0	-0	5.7	4.0	0.7	0.0	9.6	6	
8	56	14	-1	-0	0	0	-0	4.6	3.8	0.7	0.0	8.4	6	
9	56	19	-1	-0	0	0	-0	6.2	4.4	0.8	0.0	10.6	6	
10	56	-9	-2	-0	0	0	-0	2.8	6.6	1.4	0.0	9.4	6	
11	56	-3	-1	-0	0	0	-0	0.8	4.1	0.9	0.0	4.9	6	
12	56	-3	-1	-0	0	0	-0	1.0	4.0	0.9	0.0	5.1	6	
13	56	-1	-1	-0	0	0	-0	0.3	4.3	0.9	0.0	4.6	6	
14	56	18	-1	-0	0	0	-0	6.0	6.4	1.2	0.0	12.4	6	
15	56	16	-1	-0	0	0	-0	5.1	4.0	0.7	0.0	9.1	6	
16	56	14	-1	-0	0	0	-0	4.5	3.9	0.7	0.0	8.5	6	
17	56	17	-1	-0	0	-0	-0	5.4	4.2	0.7	0.0	9.6	6	

ASTA NUM. 7 NI 148 NF 128 Lungh. 86.1 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.6212	-0.4053	--	--	1.9679	-0.0587 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-5	1	0	0	0	-0	1.7	3.0	0.8	0.0	4.7	6	
1E	0	-2	1	0	0	0	-0	0.5	3.0	0.8	0.0	3.5	6	
1I	0	-9	1	0	0	0	-0	2.8	2.9	0.8	0.0	5.7	6	
1M	0	2	1	0	0	0	-0	0.6	2.9	0.8	0.0	3.5	6	
2	0	53	0	-0	0	-0	-0	17.2	4.5	0.2	0.0	21.7	6	
3	0	40	0	-0	0	-0	-0	12.9	1.8	0.1	0.0	14.7	6	
4	0	36	0	-0	0	-0	-0	11.8	2.3	0.1	0.0	14.1	6	
5	0	35	0	-0	0	-0	-0	11.5	2.7	0.1	0.0	14.1	6	
6	0	8	1	0	0	0	-0	2.7	5.0	0.9	0.0	7.8	6	
7	0	15	1	0	0	-0	-0	4.9	1.6	0.5	0.0	6.5	6	
8	0	9	1	0	0	-0	-0	3.1	2.5	0.6	0.0	5.6	6	
9	0	8	1	0	0	-0	-0	2.6	3.0	0.6	0.0	5.6	6	
10	0	54	0	-0	0	0	-0	17.5	4.8	0.2	0.0	22.2	6	
11	0	40	0	-0	0	-0	-0	12.9	2.0	0.1	0.0	14.9	6	
12	0	36	0	-0	0	-0	-0	11.8	2.5	0.1	0.0	14.3	6	
13	0	36	0	-0	0	-0	-0	11.7	2.8	0.1	0.0	14.5	6	
14	0	12	1	0	0	0	-0	3.8	4.8	1.0	0.0	8.6	6	
15	0	17	1	0	0	-0	-0	5.5	1.5	0.6	0.0	6.9	6	
16	0	11	1	0	0	-0	-0	3.5	2.4	0.6	0.0	5.9	6	
17	0	11	1	0	0	-0	-0	3.5	2.7	0.6	0.0	6.2	6	
1A	43	-5	0	0	0	-0	0	1.5	9.9	0.0	0.0	11.4	6	
1E	43	-1	0	0	0	-0	0	0.3	9.9	0.0	0.0	10.2	6	
1I	43	-8	0	0	0	-0	0	2.6	9.9	0.0	0.0	12.6	6	
1M	43	3	0	0	0	-0	0	0.8	9.9	0.0	0.0	10.8	6	
2	43	55	0	0	0	-0	-0	18.0	0.9	0.1	0.0	18.8	1	
3	43	41	0	0	0	-0	0	13.4	0.7	0.0	0.0	14.0	1	
4	43	38	0	0	0	-0	0	12.2	0.5	0.0	0.0	12.7	1	
5	43	37	0	0	0	-0	-0	11.9	0.6	0.0	0.0	12.5	1	
6	43	10	0	0	0	-0	0	3.1	9.9	0.1	0.0	13.0	6	
7	43	16	0	0	0	-0	0	5.1	7.1	0.0	0.0	12.2	6	
8	43	10	0	0	0	-0	0	3.3	6.6	0.0	0.0	9.9	6	
9	43	9	0	0	0	-0	0	2.9	6.6	0.0	0.0	9.4	6	
10	43	56	0	0	0	-0	-0	18.2	0.9	0.1	0.0	19.1	1	
11	43	41	0	0	0	-0	0	13.4	0.6	0.0	0.0	14.0	1	
12	43	38	0	0	0	-0	-0	12.3	0.4	0.0	0.0	12.7	1	
13	43	38	0	0	0	-0	-0	12.2	0.6	0.0	0.0	12.8	1	
14	43	13	0	0	0	-0	0	4.2	11.5	0.1	0.0	15.7	6	
15	43	18	0	0	0	-0	0	5.7	7.4	0.0	0.0	13.1	6	
16	43	12	0	0	0	-0	0	3.8	6.8	0.0	0.0	10.6	6	
17	43	12	0	0	0	-0	0	3.8	6.9	0.0	0.0	10.7	6	
1A	86	-4	-1	0	0	-0	-0	1.3	1.6	0.8	0.0	2.9	1	
1E	86	-0	-1	0	0	-0	-0	0.1	1.6	0.8	0.0	1.7	1	
1I	86	-7	-1	0	0	-0	-0	2.4	1.7	0.8	0.0	4.1	1	
1M	86	3	-1	0	0	-0	-0	1.0	1.7	0.8	0.0	2.8	1	
2	86	58	-0	0	0	-0	-0	18.7	3.2	0.1	0.0	21.9	1	
3	86	43	-0	0	0	-0	-0	13.8	2.1	0.1	0.0	15.9	1	
4	86	39	-0	0	0	-0	-0	12.7	2.0	0.1	0.0	14.7	1	
5	86	38	-0	0	0	-0	0	12.4	2.2	0.1	0.0	14.6	1	
6	86	11	-1	0	0	-0	-0	3.5	3.1	0.8	0.0	6.6	1	
7	86	17	-1	0	0	-0	-0	5.4	2.0	0.5	0.0	7.4	1	
8	86	11	-1	0	0	-0	-0	3.6	1.9	0.5	0.0	5.5	1	
9	86	10	-1	0	0	-0	-0	3.1	2.1	0.5	0.0	5.2	1	
10	86	58	-0	0	0	-0	-0	19.0	3.2	0.1	0.0	22.1	1	
11	86	43	-0	0	0	-0	-0	13.9	2.0	0.1	0.0	15.9	1	
12	86	39	-0	0	0	-0	0	12.7	1.9	0.1	0.0	14.7	1	
13	86	39	-0	0	0	-0	0	12.7	2.3	0.1	0.0	15.0	1	
14	86	14	-1	0	0	-0	-0	4.7	2.7	0.9	0.0	7.4	1	
15	86	18	-1	0	0	-0	-0	5.9	1.8	0.5	0.0	7.7	1	
16	86	12	-1	0	0	-0	-0	4.0	1.7	0.5	0.0	5.7	1	
17	86	12	-1	0	0	-0	-0	4.0	1.9	0.5	0.0	6.0	1	

ASTA NUM. 8 NI 150 NF 148 Lungh. 55.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.9600	0.2400	--	--	2.1625	3.3625 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	13	0	0	0	0	0	4.3	3.2	0.4	0.0	7.5	6	
1E	0	15	0	0	0	0	0	5.0	3.2	0.4	0.0	8.2	6	
1I	0	11	0	0	0	0	0	3.6	3.2	0.4	0.0	6.8	6	
1M	0	17	0	0	0	0	0	5.7	3.2	0.4	0.0	8.8	6	
2	0	-14	1	0	0	0	0	4.4	4.1	0.9	0.0	8.5	6	
3	0	-17	1	0	0	0	0	5.5	1.6	0.6	0.0	7.1	6	
4	0	-13	1	0	0	0	0	4.1	1.9	0.6	0.0	6.0	6	
5	0	-11	1	0	0	0	0	3.5	1.7	0.6	0.0	5.2	6	
6	0	14	1	0	0	0	0	4.7	5.3	0.6	0.0	9.9	6	
7	0	-3	0	0	0	0	0	1.1	1.9	0.5	0.0	3.0	6	
8	0	4	0	0	0	0	0	1.2	2.5	0.4	0.0	3.7	6	
9	0	6	0	0	0	0	0	2.0	2.3	0.4	0.0	4.3	6	
10	0	-14	1	0	0	0	0	4.4	4.3	0.9	0.0	8.7	6	
11	0	-16	1	0	0	0	0	5.3	1.8	0.6	0.0	7.1	6	
12	0	-12	1	0	0	0	0	3.9	2.1	0.6	0.0	5.9	6	
13	0	-11	1	0	0	0	0	3.6	1.8	0.6	0.0	5.4	6	
14	0	12	1	0	0	0	0	3.8	4.6	0.7	0.0	8.4	6	
15	0	-5	1	0	0	0	0	1.6	1.5	0.5	0.0	3.1	6	
16	0	3	0	0	0	0	0	0.8	2.2	0.4	0.0	3.0	6	
17	0	3	0	0	0	0	0	1.0	1.8	0.4	0.0	2.9	6	
1A	28	13	-0	0	0	0	0	4.4	5.3	0.2	0.0	9.7	6	
1E	28	16	-0	0	0	0	0	5.1	5.3	0.2	0.0	10.4	6	
1I	28	11	-0	0	0	0	0	3.7	5.3	0.2	0.0	9.0	6	
1M	28	18	-0	0	0	0	0	5.8	5.3	0.2	0.0	11.0	6	
2	28	-14	-0	0	0	0	0	4.5	10.5	0.2	0.0	15.0	6	
3	28	-17	-0	0	0	-0	0	5.6	6.7	0.1	0.0	12.3	6	
4	28	-13	-0	0	0	0	0	4.1	6.5	0.1	0.0	10.6	6	
5	28	-11	-0	0	0	0	0	3.6	6.1	0.1	0.0	9.6	6	
6	28	15	-0	0	0	0	0	4.7	8.2	0.3	0.0	12.9	6	
7	28	-3	-0	0	0	-0	0	1.0	5.4	0.1	0.0	6.4	6	
8	28	4	-0	0	0	0	0	1.2	5.1	0.1	0.0	6.3	6	
9	28	6	-0	0	0	0	0	2.1	4.5	0.2	0.0	6.6	6	
10	28	-14	-0	0	0	0	0	4.5	10.3	0.3	0.0	14.8	6	
11	28	-17	-0	0	0	0	0	5.4	6.6	0.1	0.0	12.0	6	
12	28	-12	-0	0	0	0	0	3.9	6.4	0.1	0.0	10.3	6	
13	28	-11	-0	0	0	0	0	3.7	6.0	0.1	0.0	9.7	6	
14	28	12	-0	0	0	0	0	3.9	8.4	0.3	0.0	12.3	6	
15	28	-5	-0	0	0	-0	0	1.6	5.2	0.1	0.0	6.8	6	
16	28	3	-0	0	0	0	0	0.9	4.9	0.1	0.0	5.7	6	
17	28	3	-0	0	0	0	0	1.1	4.4	0.1	0.0	5.4	6	
1A	56	14	-1	0	0	-0	-0	4.5	3.5	0.7	0.0	8.0	6	
1E	56	16	-1	0	0	-0	-0	5.2	3.5	0.7	0.0	8.7	6	
1I	56	12	-1	0	0	-0	-0	3.8	3.5	0.7	0.0	7.3	6	
1M	56	18	-1	0	0	-0	-0	5.9	3.5	0.7	0.0	9.4	6	
2	56	-14	-2	0	0	-0	-0	4.7	5.7	1.4	0.0	10.3	6	
3	56	-17	-1	0	0	-0	-0	5.6	2.3	0.8	0.0	7.9	6	
4	56	-13	-1	0	0	-0	-0	4.2	2.9	0.8	0.0	7.1	6	
5	56	-11	-1	0	0	-0	-0	3.6	3.7	0.9	0.0	7.3	6	
6	56	15	-1	0	0	-0	-0	4.8	5.9	1.2	0.0	10.7	6	
7	56	-3	-1	0	0	-0	-0	1.0	2.4	0.6	0.0	3.4	6	
8	56	4	-1	0	0	-0	-0	1.3	2.3	0.7	0.0	3.6	6	
9	56	6	-1	0	0	-0	-0	2.1	3.9	0.7	0.0	6.0	6	
10	56	-14	-2	0	0	-0	-0	4.6	6.3	1.4	0.0	10.9	6	
11	56	-17	-1	0	0	-0	-0	5.4	2.7	0.8	0.0	8.1	6	
12	56	-12	-1	0	0	-0	-0	4.0	3.4	0.9	0.0	7.4	6	
13	56	-12	-1	0	0	-0	-0	3.8	3.9	0.9	0.0	7.7	6	
14	56	12	-1	0	0	-0	-0	4.0	6.0	1.2	0.0	10.0	6	
15	56	-5	-1	0	0	-0	-0	1.5	2.4	0.6	0.0	3.9	6	
16	56	3	-1	0	0	-0	-0	0.9	3.1	0.7	0.0	4.0	6	
17	56	3	-1	0	0	-0	-0	1.1	3.8	0.7	0.0	4.9	6	

ASTA NUM. 9 NI 137 NF 139 Lungh. 77.9 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5453	0.1363	--	--	4.3624	5.0440 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-824	2	0	0	0	-0	130.0	1.1	0.8	0.0	131.1	6	
1E	0	-738	2	0	0	0	-0	116.4	1.1	0.8	0.0	117.5	6	
1I	0	-798	2	0	0	0	-0	125.8	1.1	0.8	0.0	126.9	6	
1M	0	-765	2	0	0	0	-0	120.7	1.1	0.8	0.0	121.8	6	
2	0	-931	3	5	0	-0	-0	146.9	1.0	2.0	0.0	147.9	6	
3	0	-807	2	3	0	-0	-0	127.4	0.8	1.3	0.0	128.1	6	
4	0	-1566	2	3	0	-0	-0	247.0	1.3	1.3	0.0	248.3	6	
5	0	-356	2	3	0	-0	-0	56.1	0.6	1.3	0.0	56.7	1	
6	0	-1166	3	1	0	0	-0	183.9	1.5	1.2	0.0	185.4	6	
7	0	-1077	2	1	0	0	-0	169.9	1.2	0.8	0.0	171.1	6	
8	0	-1889	2	1	0	0	-0	297.9	1.8	0.8	0.0	299.8	6	
9	0	-397	2	1	0	0	-0	62.6	0.7	0.8	0.0	63.2	6	
10	0	-598	3	5	0	-0	-0	94.3	0.7	2.1	0.0	95.0	6	
11	0	-602	2	3	0	-0	-0	94.9	0.6	1.3	0.0	95.5	6	
12	0	-1414	2	3	0	-0	-0	223.0	1.1	1.3	0.0	224.2	6	
13	0	-160	2	3	0	-0	0	25.3	0.4	1.3	0.0	25.6	1	
14	0	-762	3	1	0	0	-0	120.2	1.2	1.3	0.0	121.4	6	
15	0	-826	2	1	0	0	-0	130.2	1.0	0.8	0.0	131.2	6	
16	0	-1726	2	1	0	0	-0	272.2	1.8	0.8	0.0	274.0	6	
17	0	-164	2	1	0	0	-0	25.9	0.5	0.7	0.0	26.4	6	
1A	39	-823	0	0	0	-0	0	129.9	6.6	0.1	0.0	136.5	6	
1E	39	-737	0	0	0	-0	0	116.3	6.6	0.1	0.0	122.9	6	
1I	39	-797	0	0	0	-0	0	125.6	6.6	0.1	0.0	132.3	6	
1M	39	-764	0	0	0	-0	0	120.5	6.6	0.1	0.0	127.1	6	
2	39	-930	0	0	0	-1	1	146.7	21.4	0.1	0.0	168.1	1	
3	39	-807	0	0	0	-1	0	127.3	13.2	0.0	0.0	140.5	1	
4	39	-1566	0	0	0	-1	0	246.9	12.9	0.1	0.0	259.8	1	
5	39	-355	0	0	0	-1	0	56.0	13.4	0.0	0.0	69.4	1	
6	39	-1165	0	0	0	-0	0	183.8	11.3	0.1	0.0	195.1	6	
7	39	-1077	0	0	0	-0	0	169.8	6.8	0.1	0.0	176.6	6	
8	39	-1888	0	0	0	-0	0	297.8	6.4	0.1	0.0	304.2	6	
9	39	-396	0	0	0	-0	0	62.5	7.2	0.1	0.0	69.7	6	
10	39	-597	0	0	0	-1	1	94.2	22.0	0.1	0.0	116.2	1	
11	39	-601	0	0	0	-1	0	94.8	13.6	0.0	0.0	108.4	1	
12	39	-1414	0	0	0	-1	0	222.9	13.2	0.0	0.0	236.2	1	
13	39	-160	0	0	0	-1	0	25.2	13.7	0.0	0.0	38.9	1	
14	39	-761	0	0	0	-0	1	120.0	12.3	0.1	0.0	132.3	6	
15	39	-825	0	0	0	-0	0	130.1	7.0	0.1	0.0	137.1	6	
16	39	-1725	0	0	0	-0	0	272.1	6.6	0.1	0.0	278.7	6	
17	39	-164	0	0	0	-0	0	25.8	7.4	0.1	0.0	33.2	6	
1A	78	-823	-2	0	0	-0	0	129.7	1.9	0.7	0.0	131.7	1	
1E	78	-736	-2	0	0	-0	0	116.1	1.9	0.7	0.0	118.1	1	
1I	78	-796	-2	0	0	-0	0	125.5	2.0	0.7	0.0	127.5	1	
1M	78	-763	-2	0	0	-0	0	120.4	2.0	0.7	0.0	122.3	1	
2	78	-930	-3	-4	0	-0	0	146.6	1.5	2.0	0.0	148.2	1	
3	78	-806	-2	-3	0	-0	0	127.2	0.8	1.3	0.0	128.0	6	
4	78	-1565	-2	-3	0	-0	0	246.8	0.6	1.3	0.0	247.4	6	
5	78	-355	-2	-3	0	-0	0	55.9	0.9	1.3	0.0	56.8	6	
6	78	-1164	-2	-1	0	-0	0	183.6	3.1	1.0	0.0	186.7	1	
7	78	-1076	-1	-1	0	-0	0	169.7	1.6	0.6	0.0	171.3	1	
8	78	-1887	-1	-1	0	-0	0	297.6	1.4	0.6	0.0	299.1	1	
9	78	-395	-1	-1	0	-0	0	62.4	1.9	0.6	0.0	64.2	1	
10	78	-597	-3	-4	0	-0	0	94.1	2.8	2.0	0.0	96.9	1	
11	78	-601	-2	-3	0	-0	0	94.7	1.5	1.2	0.0	96.2	1	
12	78	-1413	-2	-3	0	-0	0	222.9	1.2	1.2	0.0	224.1	1	
13	78	-159	-2	-3	0	-0	0	25.1	1.6	1.2	0.0	26.7	1	
14	78	-760	-2	-1	0	-0	0	119.8	4.4	1.1	0.0	124.2	1	
15	78	-824	-1	-1	0	-0	0	130.0	2.4	0.6	0.0	132.4	1	
16	78	-1724	-1	-1	0	-0	0	271.9	2.2	0.6	0.0	274.1	1	
17	78	-163	-1	-1	0	-0	0	25.7	2.6	0.7	0.0	28.3	1	

ASTA NUM. 10 NI 136 NF 139 Lungh. 77.9 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5453	0.1363	--	--	4.3624	5.0440 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	180	2	-0	0	-0	-0	28.4	0.4	0.8	0.0	28.8	6	
1E	0	266	2	-0	0	-0	-0	42.0	0.4	0.8	0.0	42.4	6	
1I	0	207	2	-0	0	-0	-0	32.6	0.4	0.8	0.0	33.0	6	
1M	0	239	2	-0	0	-0	-0	37.8	0.4	0.8	0.0	38.1	6	
2	0	333	3	-4	0	0	0	52.5	0.6	2.0	0.0	53.1	1	
3	0	393	2	-3	0	0	0	61.9	0.4	1.3	0.0	62.4	1	
4	0	1130	2	-3	0	0	0	178.2	0.9	1.3	0.0	179.2	6	
5	0	-66	2	-3	0	0	0	10.4	0.4	1.3	0.0	10.8	4	
6	0	231	3	-1	0	-0	-0	36.4	0.6	1.2	0.0	37.0	6	
7	0	434	2	-1	0	-0	0	68.4	0.0	0.7	0.0	68.4	1	
8	0	1240	2	-1	0	0	0	195.6	0.6	0.7	0.0	196.2	6	
9	0	-233	2	-1	0	-0	-0	36.7	0.6	0.7	0.0	37.4	6	
10	0	746	3	-5	0	0	0	117.7	0.5	2.1	0.0	118.2	1	
11	0	649	2	-3	0	0	0	102.3	0.5	1.3	0.0	102.8	1	
12	0	1443	2	-3	0	0	0	227.6	1.1	1.3	0.0	228.7	6	
13	0	199	2	-3	0	0	0	31.3	0.3	1.3	0.0	31.6	1	
14	0	635	3	-1	0	-0	0	100.1	0.4	1.2	0.0	100.5	1	
15	0	685	2	-1	0	-0	0	108.1	0.1	0.7	0.0	108.3	1	

16	0	1582	2	-1	0	0	0	249.5	0.9	0.7	0.0	250.4	6
17	0	30	2	-1	0	-0	-0	4.7	0.4	0.7	0.0	5.1	6
1A	39	181	0	-0	0	0	0	28.5	7.0	0.1	0.0	35.5	6
1E	39	267	0	-0	0	0	0	42.2	7.0	0.1	0.0	49.1	6
1I	39	208	0	-0	0	0	0	32.8	6.9	0.1	0.0	39.7	6
1M	39	240	0	-0	0	0	0	37.9	6.9	0.1	0.0	44.9	6
2	39	333	0	-0	0	1	1	52.6	21.4	0.0	0.0	74.0	1
3	39	393	0	-0	0	1	0	62.0	13.4	0.0	0.0	75.4	1
4	39	1131	-0	0	0	1	0	178.3	13.6	0.0	0.0	191.9	1
5	39	-65	0	0	0	1	0	10.3	13.2	0.0	0.0	23.5	1
6	39	232	0	-0	0	0	1	36.5	11.7	0.1	0.0	48.3	6
7	39	435	0	-0	0	0	0	68.5	7.4	0.0	0.0	76.0	6
8	39	1241	0	-0	0	0	0	195.7	7.8	0.0	0.0	203.5	6
9	39	-232	0	-0	0	0	0	36.6	7.1	0.0	0.0	43.7	6
10	39	747	0	-0	0	1	1	117.8	21.9	0.1	0.0	139.8	1
11	39	649	0	-0	0	1	0	102.4	13.7	0.0	0.0	116.1	1
12	39	1444	-0	-0	0	1	0	227.7	14.0	0.0	0.0	241.7	1
13	39	199	0	-0	0	1	0	31.4	13.5	0.0	0.0	44.9	1
14	39	636	0	-0	0	0	1	100.3	12.7	0.1	0.0	113.0	6
15	39	686	0	-0	0	0	0	108.2	7.7	0.1	0.0	115.9	6
16	39	1583	0	-0	0	0	0	249.6	8.1	0.1	0.0	257.7	6
17	39	30	0	-0	0	0	0	4.8	7.3	0.1	0.0	12.1	6
1A	78	182	-2	-0	0	0	0	28.7	1.9	0.7	0.0	30.6	1
1E	78	268	-2	-0	0	0	0	42.3	1.9	0.7	0.0	44.2	1
1I	78	209	-2	-0	0	0	0	32.9	1.9	0.7	0.0	34.8	1
1M	78	241	-2	-0	0	0	0	38.1	1.9	0.7	0.0	39.9	1
2	78	334	-3	4	0	0	0	52.7	1.3	2.0	0.0	54.1	6
3	78	393	-2	3	0	0	0	62.1	0.8	1.3	0.0	62.8	6
4	78	1131	-2	3	0	0	0	178.4	0.9	1.3	0.0	179.3	6
5	78	-65	-2	3	0	0	0	10.2	0.7	1.3	0.0	10.9	6
6	78	233	-2	1	0	0	0	36.7	3.0	1.1	0.0	39.7	1
7	78	435	-1	1	0	0	0	68.6	1.8	0.7	0.0	70.4	1
8	78	1241	-1	1	0	0	0	195.7	1.9	0.7	0.0	197.6	1
9	78	-231	-1	1	0	0	0	36.5	1.6	0.7	0.0	38.1	1
10	78	748	-3	4	0	0	0	117.9	2.5	2.0	0.0	120.4	1
11	78	650	-2	3	0	0	0	102.5	1.4	1.2	0.0	103.9	1
12	78	1444	-2	3	0	0	0	227.8	1.5	1.2	0.0	229.3	1
13	78	200	-2	3	0	0	0	31.5	1.2	1.2	0.0	32.7	1
14	78	637	-3	1	0	0	0	100.5	4.3	1.1	0.0	104.8	1
15	78	687	-1	1	0	0	0	108.3	2.5	0.7	0.0	110.9	1
16	78	1583	-2	1	0	0	0	249.7	2.7	0.7	0.0	252.4	1
17	78	31	-1	1	0	0	0	4.9	2.4	0.7	0.0	7.3	1

ASTA NUM. 11 NI 135 NF 136 Lungh. 158.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5283	0.1321	--	--	4.3803	5.0407 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-842	3	0	0	-0	-0	132.8	0.2	1.6	0.0	133.0	6	
1E	0	-752	3	0	0	-0	-0	118.5	0.2	1.6	0.0	118.8	6	
1I	0	-812	3	0	0	-0	-0	128.1	0.3	1.6	0.0	128.4	6	
1M	0	-781	3	0	0	-0	-0	123.2	0.3	1.6	0.0	123.5	6	
2	0	-1032	5	9	0	0	-0	162.8	0.7	4.1	0.0	163.5	1	
3	0	-811	3	6	0	0	-0	127.9	0.6	2.6	0.0	128.5	1	
4	0	-1520	3	6	0	0	-0	239.7	1.2	2.6	0.0	240.9	1	
5	0	-380	3	6	0	0	0	59.9	0.3	2.6	0.0	60.2	4	
6	0	-1176	5	2	0	0	-0	185.5	0.4	2.3	0.0	185.9	6	
7	0	-998	3	1	0	0	-0	157.4	0.5	1.4	0.0	157.9	6	
8	0	-1774	3	1	0	0	-0	279.8	1.0	1.4	0.0	280.8	6	
9	0	-372	3	1	0	-0	0	58.7	0.1	1.4	0.0	58.8	1	
10	0	-1163	5	9	0	0	0	183.4	0.8	4.1	0.0	184.2	1	
11	0	-890	3	6	0	0	-0	140.4	0.6	2.6	0.0	141.1	1	
12	0	-1658	3	6	0	0	-0	261.5	1.2	2.6	0.0	262.8	1	
13	0	-464	3	6	0	0	0	73.2	0.4	2.6	0.0	73.6	1	
14	0	-1213	5	2	0	0	0	191.3	0.1	2.4	0.0	191.4	1	
15	0	-1018	3	1	0	0	-0	160.6	0.3	1.4	0.0	160.9	6	
16	0	-1888	3	1	0	0	-0	297.8	1.0	1.4	0.0	298.8	1	
17	0	-399	3	1	0	-0	0	62.9	0.1	1.4	0.0	63.0	1	
1A	79	-840	0	0	0	-0	1	132.5	26.2	0.0	0.0	158.7	6	
1E	79	-750	0	0	0	-0	1	118.2	26.2	0.0	0.0	144.4	6	
1I	79	-810	0	0	0	-0	1	127.8	26.2	0.0	0.0	154.0	6	
1M	79	-779	0	0	0	-0	1	122.9	26.2	0.0	0.0	149.1	6	
2	79	-1031	0	0	0	-4	2	162.5	83.9	0.0	0.0	246.4	1	
3	79	-810	0	0	0	-2	1	127.8	52.3	0.0	0.0	180.1	1	
4	79	-1519	0	0	0	-2	1	239.6	51.8	0.0	0.0	291.4	1	
5	79	-379	0	0	0	-2	1	59.7	52.5	0.0	0.0	112.2	1	
6	79	-1173	0	0	0	-1	2	185.1	44.2	0.0	0.0	229.3	6	
7	79	-996	0	0	0	-1	1	157.2	27.5	0.0	0.0	184.7	6	
8	79	-1773	0	0	0	-1	1	279.6	27.3	0.0	0.0	306.8	6	
9	79	-371	-0	0	0	-1	1	58.5	27.7	0.0	0.0	86.2	6	
10	79	-1162	-0	0	0	-4	2	183.2	84.0	0.0	0.0	267.2	1	
11	79	-889	0	0	0	-2	1	140.3	52.3	0.0	0.0	192.6	1	
12	79	-1657	0	0	0	-2	1	261.4	51.8	0.0	0.0	313.2	1	
13	79	-463	-0	0	0	-2	1	73.1	52.6	0.0	0.0	125.6	1	
14	79	-1210	-0	0	0	-1	2	190.9	46.9	0.0	0.0	237.9	6	
15	79	-1017	0	0	0	-1	1	160.3	27.6	0.0	0.0	187.9	6	
16	79	-1887	0	0	0	-1	1	297.6	27.3	0.0	0.0	324.8	6	
17	79	-397	-0	0	0	-1	1	62.7	27.8	0.0	0.0	90.5	6	
1A	158	-838	-3	0	0	-0	0	132.2	0.5	1.6	0.0	132.7	1	
1E	158	-748	-3	0	0	-0	0	117.9	0.5	1.6	0.0	118.5	1	
1I	158	-809	-3	0	0	-0	0	127.5	0.5	1.6	0.0	128.1	1	
1M	158	-777	-3	0	0	-0	0	122.6	0.5	1.6	0.0	123.1	1	
2	158	-1029	-5	-9	0	-0	-0	162.3	0.3	4.1	0.0	162.6	4	
3	158	-809	-3	-6	0	-0	0	127.6	0.0	2.6	0.0	127.7	4	
4	158	-1518	-3	-6	0	0	0	239.4	0.5	2.6	0.0	239.9	1	
5	158	-378	-3	-6	0	-0	-0	59.6	0.3	2.6	0.0	59.9	4	
6	158	-1171	-5	-2	0	-0	-0	184.7	0.8	2.3	0.0	185.5	1	
7	158	-995	-3	-1	0	-0	0	156.9	0.3	1.4	0.0	157.2	1	
8	158	-1771	-3	-1	0	0	0	279.3	0.3	1.4	0.0	279.7	6	
9	158	-369	-3	-1	0	-0	-0	58.3	0.6	1.4	0.0	58.9	1	
10	158	-1160	-5	-9	0	-0	-0	183.0	0.6	4.1	0.0	183.6	1	
11	158	-889	-3	-6	0	-0	-0	140.1	0.2	2.6	0.0	140.3	1	
12	158	-1656	-3	-6	0	0	0	261.2	0.4	2.6	0.0	261.6	1	
13	158	-462	-3	-6	0	-0	-0	72.9	0.4	2.6	0.0	73.4	1	
14	158	-1208	-5	-2	0	-0	-0	190.5	1.1	2.4	0.0	191.6	1	
15	158	-1015	-3	-1	0	-0	-0	160.1	0.4	1.4	0.0	160.5	1	
16	158	-1885	-3	-1	0	0	0	297.3	0.2	1.4	0.0	297.6	6	
17	158	-396	-3	-1	0	-0	-0	62.4	0.8	1.4	0.0	63.2	1	

ASTA NUM. 12 NI 134 NF 137 Lungh. 158.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5283	0.1321	--	--	4.3803	5.0407 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	123	3	-0	0	0	0	19.3	0.9	1.6	0.0	20.3	1	
1E	0	213	3	-0	0	0	0	33.6	0.9	1.6	0.0	34.5	1	
1I	0	152	3	-0	0	0	0	24.0	0.9	1.6	0.0	24.9	1	
1M	0	183	3	-0	0	0	0	28.9	0.9	1.6	0.0	29.8	1	
2	0	182	5	-9	0	0	0	28.6	0.4	4.1	0.0	29.8	4	
3	0	341	3	-6	0	0	0	53.8	0.3	2.6	0.0	54.2	4	
4	0	1070	3	-6	0	0	0	168.8	0.8	2.6	0.0	169.6	6	
5	0	-102	3	-6	0	-0	0	16.0	0.1	2.6	0.0	16.8	4	
6	0	166	5	-2	0	0	0	26.1	1.2	2.3	0.0	27.3	1	
7	0	454	3	-1	0	0	0	71.5	0.9	1.4	0.0	72.4	1	
8	0	1232	3	-1	0	0	0	194.3	1.5	1.4	0.0	195.8	1	
9	0	-215	3	-1	0	0	0	33.9	0.4	1.4	0.0	34.3	1	
10	0	128	5	-9	0	0	0	20.2	0.8	4.1	0.0	22.0	4	
11	0	311	3	-6	0	0	0	49.0	0.6	2.6	0.0	49.6	6	
12	0	1087	3	-6	0	0	0	171.5	1.1	2.6	0.0	172.6	6	
13	0	-120	3	-6	0	0	0	18.9	0.3	2.6	0.0	19.6	4	
14	0	128	5	-2	0	0	0	20.2	1.3	2.4	0.0	21.6	1	
15	0	433	3	-1	0	0	0	68.3	1.0	1.4	0.0	69.3	1	
16	0	1290	3	-1	0	0	0	203.5	1.6	1.4	0.0	205.1	1	
17	0	-213	3	-1	0	0	0	33.6	0.5	1.4	0.0	34.0	1	
1A	79	124	-0	-0	0	0	1	19.6	26.6	0.0	0.0	46.2	6	
1E	79	215	-0	-0	0	0	1	33.9	26.6	0.0	0.0	60.5	6	
1I	79	154	-0	-0	0	0	1	24.3	26.5	0.0	0.0	50.9	6	
1M	79	185	-0	-0	0	0	1	29.2	26.5	0.0	0.0	55.8	6	
2	79	183	-0	-0	0	4	2	28.9	84.6	0.0	0.0	113.4	1	
3	79	342	-0	-0	0	2	1	54.0	52.9	0.0	0.0	106.9	1	
4	79	1071	-0	-0	0	2	1	168.9	53.3	0.0	0.0	222.2	1	
5	79	-101	-0	-0	0	2	1	15.9	52.6	0.0	0.0	68.5	1	
6	79	168	-0	-0	0	1	2	26.5	44.8	0.0	0.0	71.3	6	
7	79	455	-0	-0	0	1	1	71.8	28.0	0.0	0.0	99.8	6	
8	79	1234	-0	-0	0	1	1	194.6	28.3	0.0	0.0	222.8	6	
9	79	-214	-0	-0	0	1	1	33.7	27.8	0.0	0.0	61.5	6	
10	79	130	-0	-0	0	4	2	20.5	84.9	0.0	0.0	105.3	1	
11	79	312	-0	-0	0	2	1	49.1	53.1	0.0	0.0	102.2	1	
12	79	1088	-0	-0	0	2	1	171.6	53.5	0.0	0.0	225.1	1	
13	79	-119	-0	-0	0	2	1	18.8	52.8	0.0	0.0	71.5	1	
14	79	131	-0	-0	0	1	2	20.6	47.5	0.0	0.0	68.1	6	
15	79	435	-0	-0	0	1	1	68.5	28.1	0.0	0.0	96.6	6	
16	79	1292	-0	-0	0	1	1	203.7	28.4	0.0	0.0	232.1	6	
17	79	-211	-0	-0	0	1	1	33.3	27.9	0.0	0.0	61.2	6	
1A	158	126	-3	-0	0	0	-0	19.9	1.0	1.6	0.0	21.0	1	
1E	158	217	-3	-0	0	0	-0	34.2	1.0	1.6	0.0	35.2	1	
1I	158	156	-3	-0	0	0	-0	24.6	1.0	1.6	0.0	25.7	1	
1M	158	187	-3	-0	0	0	-0	29.5	1.0	1.6	0.0	30.6	1	

2	158	185	-5	9	0	0	-0	29.1	0.9	4.1	0.0	30.5	4
3	158	343	-3	6	0	0	-0	54.1	0.6	2.6	0.0	54.8	1
4	158	1072	-3	6	0	0	-0	169.1	1.0	2.6	0.0	170.1	1
5	158	-100	-3	6	0	0	-0	15.7	0.3	2.6	0.0	16.6	4
6	158	170	-5	2	0	0	-0	26.8	1.5	2.3	0.0	28.3	1
7	158	457	-3	1	0	0	-0	72.0	1.1	1.4	0.0	73.1	1
8	158	1235	-3	1	0	0	-0	194.8	1.5	1.4	0.0	196.3	1
9	158	-212	-3	1	0	0	-0	33.5	0.6	1.4	0.0	34.1	1
10	158	131	-6	9	0	0	-0	20.7	1.2	4.1	0.0	22.6	4
11	158	312	-3	6	0	0	-0	49.3	0.9	2.6	0.0	50.1	1
12	158	1089	-3	6	0	0	-0	171.8	1.3	2.6	0.0	173.1	1
13	158	-118	-3	6	0	0	-0	18.6	0.5	2.6	0.0	19.5	4
14	158	133	-5	2	0	0	-0	21.0	1.8	2.5	0.0	22.8	1
15	158	436	-3	1	0	0	-0	68.8	1.2	1.4	0.0	70.0	1
16	158	1293	-3	1	0	0	-0	203.9	1.8	1.4	0.0	205.7	1
17	158	-210	-3	1	0	0	-0	33.1	0.8	1.4	0.0	33.9	1

ASTA NUM. 13 NI 108 NF 135 Lungh. 80.1 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5121	0.1280	--	--	4.3975	5.0377 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	719	2	-0	0	0	0	113.5	1.9	0.7	0.0	115.4	6	
1E	0	814	2	-0	0	0	0	128.4	1.9	0.7	0.0	130.3	6	
1I	0	751	2	-0	0	0	0	118.4	1.9	0.7	0.0	120.3	6	
1M	0	783	2	-0	0	0	0	123.5	1.9	0.7	0.0	125.4	6	
2	0	996	3	-5	0	-0	0	157.0	2.2	2.2	0.0	159.2	6	
3	0	781	2	-3	0	-0	0	123.1	1.3	1.4	0.0	124.4	1	
4	0	1460	2	-3	0	-0	0	230.3	1.0	1.4	0.0	231.3	6	
5	0	367	2	-3	0	-0	0	57.9	1.3	1.3	0.0	59.2	6	
6	0	1134	2	-1	0	0	0	178.9	2.9	1.0	0.0	181.8	6	
7	0	959	1	-1	0	-0	0	151.3	1.3	0.6	0.0	152.6	6	
8	0	1703	1	-1	0	0	0	268.6	1.3	0.6	0.0	269.9	6	
9	0	360	1	-1	0	0	0	56.8	1.6	0.6	0.0	58.5	6	
10	0	1124	2	-5	0	-0	0	177.3	2.7	2.2	0.0	180.0	6	
11	0	859	2	-3	0	-0	0	135.4	1.5	1.4	0.0	136.9	6	
12	0	1594	2	-3	0	-0	0	251.4	1.3	1.4	0.0	252.7	6	
13	0	450	2	-3	0	-0	0	71.0	1.6	1.3	0.0	72.6	6	
14	0	1172	2	-1	0	-0	0	184.9	2.8	1.1	0.0	187.7	6	
15	0	981	1	-1	0	-0	0	154.7	1.5	0.6	0.0	156.1	6	
16	0	1814	1	-1	0	0	0	286.1	1.3	0.6	0.0	287.5	6	
17	0	387	1	-1	0	-0	0	61.1	1.7	0.6	0.0	62.7	6	
1A	40	720	-0	-0	0	0	0	113.6	7.0	0.1	0.0	120.6	6	
1E	40	815	-0	-0	0	0	0	128.6	7.0	0.1	0.0	135.6	6	
1I	40	751	-0	-0	0	0	0	118.5	7.0	0.1	0.0	125.5	6	
1M	40	784	-0	-0	0	0	0	123.7	7.0	0.1	0.0	130.6	6	
2	40	996	-0	-0	0	1	1	157.1	21.9	0.1	0.0	179.0	1	
3	40	781	-0	-0	0	1	0	123.2	13.4	0.1	0.0	136.6	1	
4	40	1461	-0	-0	0	1	0	230.4	13.9	0.1	0.0	244.3	1	
5	40	368	-0	-0	0	1	0	58.0	13.5	0.1	0.0	71.5	1	
6	40	1135	-0	-0	0	0	1	179.0	11.7	0.2	0.0	190.7	6	
7	40	960	-0	-0	0	0	0	151.4	7.0	0.1	0.0	158.4	6	
8	40	1704	-0	-0	0	0	0	268.8	7.0	0.1	0.0	275.8	6	
9	40	361	-0	-0	0	0	0	56.9	7.3	0.1	0.0	64.2	6	
10	40	1124	-0	-0	0	1	1	177.4	22.1	0.1	0.0	199.5	1	
11	40	859	-0	-0	0	1	0	135.5	13.6	0.1	0.0	149.1	1	
12	40	1595	-0	-0	0	1	0	251.5	14.1	0.1	0.0	265.6	1	
13	40	451	-0	-0	0	1	0	71.1	13.6	0.1	0.0	84.7	1	
14	40	1173	-0	-0	0	0	1	185.0	12.2	0.2	0.0	197.2	6	
15	40	981	-0	-0	0	0	0	154.8	6.9	0.1	0.0	161.6	6	
16	40	1814	-0	-0	0	0	0	286.2	7.0	0.1	0.0	293.2	6	
17	40	388	-0	-0	0	0	0	61.2	7.1	0.1	0.0	68.3	6	
1A	80	721	-2	-0	0	0	-0	113.8	2.0	0.9	0.0	115.7	6	
1E	80	816	-2	-0	0	0	-0	128.7	2.0	0.9	0.0	130.7	6	
1I	80	752	-2	-0	0	0	-0	118.7	2.0	0.9	0.0	120.7	6	
1M	80	785	-2	-0	0	0	-0	123.8	2.0	0.9	0.0	125.8	6	
2	80	997	-3	4	0	0	-0	157.3	2.8	2.0	0.0	160.0	6	
3	80	782	-2	3	0	0	-0	123.3	1.8	1.2	0.0	125.0	6	
4	80	1461	-2	3	0	0	-0	230.4	2.2	1.2	0.0	232.7	6	
5	80	368	-2	3	0	0	-0	58.1	1.4	1.3	0.0	59.5	6	
6	80	1136	-3	1	0	0	-0	179.2	3.3	1.3	0.0	182.5	6	
7	80	961	-2	1	0	0	-0	151.5	2.1	0.8	0.0	153.7	6	
8	80	1705	-2	1	0	0	-0	268.9	2.7	0.8	0.0	271.6	6	
9	80	362	-2	1	0	0	-0	57.1	1.7	0.8	0.0	58.8	6	
10	80	1125	-3	4	0	0	-0	177.4	3.1	2.0	0.0	180.6	6	
11	80	860	-2	3	0	0	-0	135.6	2.0	1.2	0.0	137.5	6	
12	80	1595	-2	3	0	0	-0	251.6	2.5	1.2	0.0	254.1	6	
13	80	451	-2	3	0	0	-0	71.2	1.6	1.3	0.0	72.8	6	
14	80	1174	-3	1	0	0	-0	185.2	3.4	1.4	0.0	188.5	6	
15	80	982	-2	1	0	0	-0	154.9	2.2	0.8	0.0	157.0	6	
16	80	1815	-2	1	0	0	-0	286.3	2.8	0.8	0.0	289.1	6	
17	80	389	-2	1	0	0	-0	61.3	1.7	0.8	0.0	63.0	6	

ASTA NUM. 14 NI 108 NF 134 Lungh. 80.1 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5121	0.1280	--	--	4.3975	5.0377 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-205	2	-0	0	-0	0	32.4	1.8	0.7	0.0	34.2	6	
1E	0	-110	2	-0	0	-0	0	17.4	1.8	0.7	0.0	19.2	6	
1I	0	-174	2	-0	0	-0	0	27.5	1.8	0.7	0.0	29.2	6	
1M	0	-142	2	-0	0	-0	0	22.3	1.8	0.7	0.0	24.1	6	
2	0	-168	3	5	0	0	0	26.4	2.4	2.1	0.0	28.9	6	
3	0	-323	2	3	0	0	0	51.0	1.4	1.3	0.0	52.4	6	
4	0	-1022	2	3	0	0	0	161.2	1.5	1.3	0.0	162.7	6	
5	0	101	2	3	0	-0	0	15.9	1.4	1.3	0.0	17.3	6	
6	0	-152	2	1	0	-0	0	24.0	2.8	1.0	0.0	26.8	6	
7	0	-431	1	1	0	0	0	67.9	1.7	0.6	0.0	69.6	6	
8	0	-1177	1	1	0	0	0	185.6	1.8	0.7	0.0	187.4	6	
9	0	210	1	1	0	-0	0	33.1	2.0	0.6	0.0	35.1	6	
10	0	-114	2	5	0	0	0	17.9	3.0	2.1	0.0	20.9	6	
11	0	-292	2	3	0	0	0	46.1	1.8	1.3	0.0	47.9	6	
12	0	-1036	2	3	0	0	0	163.4	1.9	1.3	0.0	165.3	6	
13	0	120	2	3	0	0	0	18.9	1.6	1.3	0.0	20.6	6	
14	0	-114	2	1	0	0	0	18.0	3.2	1.1	0.0	21.2	6	
15	0	-410	1	1	0	0	0	64.6	1.9	0.6	0.0	66.5	6	
16	0	-1231	1	1	0	0	0	194.2	2.0	0.6	0.0	196.2	6	
17	0	209	1	1	0	-0	0	32.9	1.8	0.6	0.0	34.7	6	
1A	40	-204	-0	-0	0	0	0	32.2	7.1	0.1	0.0	39.3	6	
1E	40	-109	-0	-0	0	0	0	17.2	7.1	0.1	0.0	24.3	6	
1I	40	-173	-0	-0	0	0	0	27.3	7.0	0.1	0.0	34.4	6	
1M	40	-141	-0	-0	0	0	0	22.2	7.0	0.1	0.0	29.2	6	
2	40	-167	-0	0	0	-1	1	26.3	21.5	0.1	0.0	47.8	1	
3	40	-323	-0	0	0	-1	0	50.9	13.2	0.1	0.0	64.2	1	
4	40	-1022	-0	0	0	-1	0	161.1	12.9	0.0	0.0	174.0	1	
5	40	101	-0	0	0	-1	0	16.0	13.8	0.1	0.0	29.8	1	
6	40	-151	-0	-0	0	-0	1	23.8	11.6	0.1	0.0	35.5	6	
7	40	-430	-0	-0	0	-0	0	67.8	7.3	0.1	0.0	75.1	6	
8	40	-1177	-0	-0	0	-0	0	185.6	7.2	0.1	0.0	192.8	6	
9	40	210	-0	-0	0	-0	0	33.2	7.5	0.1	0.0	40.7	6	
10	40	-113	-0	0	0	-1	1	17.8	21.2	0.1	0.0	39.0	1	
11	40	-292	-0	0	0	-1	0	46.0	13.1	0.1	0.0	59.1	1	
12	40	-1036	-0	0	0	-1	0	163.3	12.8	0.1	0.0	176.2	1	
13	40	121	-0	0	0	-1	0	19.0	13.6	0.1	0.0	32.6	1	
14	40	-113	-0	0	0	-0	1	17.8	12.1	0.2	0.0	30.0	6	
15	40	-409	-0	0	0	-0	0	64.5	7.1	0.1	0.0	71.7	6	
16	40	-1231	-0	-0	0	-0	0	194.1	7.3	0.1	0.0	201.3	6	
17	40	210	-0	-0	0	-0	0	33.1	7.3	0.1	0.0	40.4	6	
1A	80	-203	-2	-0	0	0	-0	32.1	1.4	0.9	0.0	33.4	6	
1E	80	-108	-2	-0	0	0	-0	17.1	1.4	0.9	0.0	18.5	6	
1I	80	-172	-2	-0	0	0	-0	27.2	1.4	0.9	0.0	28.6	6	
1M	80	-140	-2	-0	0	0	-0	22.0	1.4	0.9	0.0	23.5	6	
2	80	-166	-3	-5	0	-0	-0	26.2	1.7	2.1	0.0	27.9	6	
3	80	-322	-2	-3	0	0	-0	50.9	0.9	1.3	0.0	51.7	6	
4	80	-1021	-2	-3	0	0	-0	161.0	0.9	1.3	0.0	161.9	1	
5	80	102	-2	-3	0	-0	-0	16.0	1.1	1.3	0.0	17.2	6	
6	80	-150	-3	-1	0	0	-0	23.6	2.3	1.3	0.0	26.0	6	
7	80	-429	-2	-1	0	0	-0	67.7	1.3	0.8	0.0	69.0	6	
8	80	-1176	-2	-1	0	0	-0	185.5	1.5	0.8	0.0	186.9	1	
9	80	211	-2	-1	0	-0	-0	33.3	1.5	0.8	0.0	34.8	6	
10	80	-112	-3	-5	0	0	-0	17.7	1.9	2.1	0.0	19.6	6	
11	80	-291	-2	-3	0	0	-0	45.9	1.1	1.3	0.0	47.0	6	
12	80	-1035	-2	-3	0	0	-0	163.2	1.1	1.3	0.0	164.3	1	
13	80	121	-2	-3	0	-0	-0	19.1	1.3	1.3	0.0	20.3	6	
14	80	-112	-3	-1	0	0	-0	17.6	2.5	1.4	0.0	20.1	6	
15	80	-408	-2	-1	0	0	-0	64.4	1.3	0.8	0.0	65.7	6	
16	80	-1230	-2	-1	0	0	-0	194.0	1.6	0.8	0.0	195.6	1	
17	80	210	-2	-1	0	-0	-0	33.2	1.4	0.8	0.0	34.6	6	

ASTA NUM. 15 NI 136 NF 137 Lungh. 135.1 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	3.6973	3.6973 daN/m

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

1A	0	505	2	-0	0	-0	0	107.2	0.3	1.5	0.0	107.5	1
1E	0	506	2	-0	0	-0	0	107.4	0.3	1.5	0.0	107.7	1
1I	0	504	2	-0	0	-0	0	107.0	0.3	1.5	0.0	107.3	1
1M	0	507	2	-0	0	-0	0	107.6	0.3	1.5	0.0	107.9	1
2	0	616	3	-7	0	-0	0	130.7	1.2	4.5	0.0	131.8	1
3	0	375	2	-5	0	-0	0	79.7	0.7	2.8	0.0	80.4	1
4	0	376	2	-5	0	-0	0	79.8	0.9	2.8	0.0	80.7	1
5	0	383	2	-5	0	-0	0	81.3	0.7	2.8	0.0	82.0	1
6	0	829	3	-2	0	-0	0	175.9	0.7	2.1	0.0	176.6	1
7	0	505	2	-1	0	-0	0	107.2	0.4	1.3	0.0	107.6	1
8	0	506	2	-1	0	-0	0	107.4	0.7	1.3	0.0	108.1	6
9	0	518	2	-1	0	-0	0	109.9	0.4	1.3	0.0	110.3	1
10	0	378	3	-7	0	-0	0	80.3	1.3	4.5	0.0	81.6	1
11	0	227	2	-5	0	-0	0	48.2	0.8	2.8	0.0	48.9	1
12	0	231	2	-5	0	-0	0	49.0	1.0	2.8	0.0	50.0	1
13	0	233	2	-5	0	-0	0	49.4	0.7	2.8	0.0	50.1	1
14	0	517	4	-2	0	-0	0	109.7	0.8	2.3	0.0	110.6	1
15	0	309	2	-1	0	-0	0	65.5	0.5	1.3	0.0	66.0	1
16	0	316	2	-1	0	-0	0	67.1	0.7	1.3	0.0	67.8	1
17	0	318	2	-1	0	-0	0	67.5	0.4	1.3	0.0	67.9	1
1A	68	505	-0	-0	0	-0	1	107.2	23.3	0.0	0.0	130.5	6
1E	68	506	-0	-0	0	-0	1	107.4	23.3	0.0	0.0	130.7	6
1I	68	504	-0	-0	0	-0	1	107.0	23.3	0.0	0.0	130.3	6
1M	68	507	-0	-0	0	-0	1	107.6	23.3	0.0	0.0	130.9	6
2	68	616	-0	0	0	2	1	130.7	79.3	0.0	0.0	209.9	1
3	68	375	-0	-0	0	2	1	79.7	49.5	0.0	0.0	129.2	1
4	68	376	-0	-0	0	2	1	79.8	49.6	0.0	0.0	129.3	1
5	68	383	-0	0	0	2	1	81.3	49.6	0.0	0.0	130.9	1
6	68	829	-0	-0	0	1	1	175.9	38.5	0.0	0.0	214.4	6
7	68	505	-0	-0	0	0	1	107.2	24.1	0.0	0.0	131.2	6
8	68	506	-0	-0	0	0	1	107.4	24.1	0.0	0.0	131.5	6
9	68	518	-0	0	0	0	1	109.9	24.1	0.0	0.0	134.0	6
10	68	378	-0	0	0	2	1	80.3	79.1	0.0	0.0	159.4	1
11	68	227	-0	0	0	2	1	48.2	49.4	0.0	0.0	97.6	1
12	68	231	-0	-0	0	2	1	49.0	49.5	0.0	0.0	98.5	1
13	68	233	-0	0	0	2	1	49.4	49.5	0.0	0.0	98.8	1
14	68	517	-0	-0	0	1	1	109.7	40.7	0.0	0.0	150.4	6
15	68	309	-0	-0	0	0	1	65.5	24.0	0.0	0.0	89.5	6
16	68	316	-0	-0	0	0	1	67.1	24.0	0.0	0.0	91.1	6
17	68	318	-0	0	0	0	1	67.5	24.0	0.0	0.0	91.5	6
1A	135	505	-3	-0	0	-0	-0	107.2	0.6	1.5	0.0	107.8	6
1E	135	506	-3	-0	0	-0	-0	107.4	0.6	1.5	0.0	108.0	6
1I	135	504	-3	-0	0	-0	-0	107.0	0.6	1.5	0.0	107.6	6
1M	135	507	-3	-0	0	-0	-0	107.6	0.6	1.5	0.0	108.2	6
2	135	616	-4	7	0	-0	-0	130.7	1.4	4.5	0.0	132.1	1
3	135	375	-2	5	0	-0	-0	79.7	0.9	2.8	0.0	80.6	1
4	135	376	-2	5	0	-0	-0	79.8	1.1	2.8	0.0	80.9	6
5	135	383	-2	5	0	-0	-0	81.3	0.8	2.8	0.0	82.2	1
6	135	829	-4	2	0	-0	-0	175.9	1.0	2.2	0.0	176.9	6
7	135	505	-2	1	0	-0	-0	107.2	0.7	1.4	0.0	107.9	6
8	135	506	-2	1	0	-0	-0	107.4	1.1	1.4	0.0	108.5	6
9	135	518	-2	1	0	-0	0	109.9	0.4	1.3	0.0	110.4	1
10	135	378	-4	7	0	-0	-0	80.3	1.6	4.5	0.0	82.0	1
11	135	227	-2	5	0	-0	-0	48.2	1.0	2.8	0.0	49.2	1
12	135	231	-2	5	0	-0	-0	49.0	1.2	2.8	0.0	50.2	6
13	135	233	-2	5	0	-0	-0	49.4	1.0	2.8	0.0	50.3	1
14	135	517	-4	2	0	-0	-0	109.7	1.1	2.3	0.0	110.9	6
15	135	309	-2	1	0	-0	-0	65.5	0.8	1.4	0.0	66.3	6
16	135	316	-2	1	0	-0	-0	67.1	1.2	1.4	0.0	68.3	6
17	135	318	-2	1	0	-0	-0	67.5	0.6	1.3	0.0	68.1	1

ASTA NUM. 16 NI 131 NF 132 Lungh. 135.1 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	3.6973	3.6973 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-64	2	0	0	-0	0	13.7	0.3	1.5	0.0	14.0	5	
1E	0	-64	2	0	0	-0	0	13.5	0.3	1.5	0.0	13.9	5	
1I	0	-65	2	0	0	-0	0	13.9	0.3	1.5	0.0	14.2	5	
1M	0	-63	2	0	0	-0	0	13.3	0.3	1.5	0.0	13.7	5	
2	0	-100	3	-7	0	-0	0	21.3	1.0	4.5	0.0	23.1	4	
3	0	11	2	-5	0	-0	0	2.4	0.7	2.8	0.0	5.6	4	
4	0	-61	2	-5	0	-0	0	12.8	0.6	2.8	0.0	14.0	4	
5	0	-107	2	-5	0	-0	0	22.7	0.9	2.8	0.0	23.6	6	
6	0	-149	3	-2	0	-0	0	31.5	0.6	2.1	0.0	32.1	1	
7	0	21	2	-1	0	-0	0	4.5	0.8	1.3	0.0	5.4	4	
8	0	-93	2	-1	0	-0	0	19.7	0.5	1.3	0.0	20.2	6	
9	0	-163	2	-1	0	-0	0	34.5	0.9	1.3	0.0	35.4	6	
10	0	-326	3	-7	0	-0	0	69.1	1.0	4.5	0.0	70.1	1	
11	0	-101	2	-5	0	-0	0	21.4	0.7	2.8	0.0	22.3	4	
12	0	-198	2	-5	0	-0	0	42.0	0.5	2.8	0.0	42.5	1	
13	0	-215	2	-5	0	-0	0	45.7	0.8	2.8	0.0	46.5	6	
14	0	-460	4	-2	0	-0	0	97.7	0.5	2.3	0.0	98.2	1	
15	0	-147	2	-1	0	-0	0	31.2	0.8	1.3	0.0	32.0	6	
16	0	-283	2	-1	0	-0	0	60.0	0.4	1.3	0.0	60.5	6	
17	0	-301	2	-1	0	-0	0	63.9	0.8	1.3	0.0	64.8	6	
1A	68	-64	-0	0	0	-0	1	13.7	23.4	0.0	0.0	37.1	6	
1E	68	-64	-0	0	0	-0	1	13.5	23.4	0.0	0.0	36.9	6	
1I	68	-65	-0	0	0	-0	1	13.9	23.4	0.0	0.0	37.3	6	
1M	68	-63	-0	0	0	-0	1	13.3	23.4	0.0	0.0	36.7	6	
2	68	-100	-0	0	0	2	1	21.3	79.4	0.0	0.0	100.7	1	
3	68	11	-0	0	0	2	1	2.4	49.6	0.0	0.0	52.0	1	
4	68	-61	-0	0	0	2	1	12.8	49.6	0.0	0.0	62.5	1	
5	68	-107	-0	0	0	2	1	22.7	49.6	0.0	0.0	72.4	1	
6	68	-149	-0	0	0	1	1	31.5	38.5	0.0	0.0	70.1	6	
7	68	21	-0	0	0	0	1	4.5	24.1	0.0	0.0	28.7	6	
8	68	-93	-0	0	0	0	1	19.7	24.1	0.0	0.0	43.8	6	
9	68	-163	-0	0	0	0	1	34.5	24.1	0.0	0.0	58.6	6	
10	68	-326	-0	0	0	2	1	69.1	79.4	0.0	0.0	148.5	1	
11	68	-101	-0	0	0	2	1	21.4	49.6	0.0	0.0	71.0	1	
12	68	-198	-0	0	0	2	1	42.0	49.6	0.0	0.0	91.6	1	
13	68	-215	-0	0	0	2	1	45.7	49.6	0.0	0.0	95.3	1	
14	68	-460	-0	0	0	1	1	97.7	40.8	0.0	0.0	138.5	6	
15	68	-147	-0	0	0	0	1	31.2	24.1	0.0	0.0	55.3	6	
16	68	-283	-0	0	0	0	1	60.0	24.1	0.0	0.0	84.1	6	
17	68	-301	-0	0	0	0	1	63.9	24.0	0.0	0.0	88.0	6	
1A	135	-64	-3	0	0	-0	-0	13.7	0.6	1.5	0.0	14.3	6	
1E	135	-64	-3	0	0	-0	-0	13.5	0.6	1.5	0.0	14.1	6	
1I	135	-65	-3	0	0	-0	-0	13.9	0.6	1.5	0.0	14.5	6	
1M	135	-63	-3	0	0	-0	-0	13.3	0.6	1.5	0.0	13.9	6	
2	135	-100	-4	7	0	-0	-0	21.3	1.4	4.5	0.0	23.3	4	
3	135	11	-2	5	0	-0	-0	2.4	1.2	2.8	0.0	5.8	4	
4	135	-61	-2	5	0	-0	-0	12.8	1.1	2.8	0.0	14.2	4	
5	135	-107	-2	5	0	-0	-0	22.7	1.6	2.8	0.0	24.3	6	
6	135	-149	-4	2	0	-0	-0	31.5	0.9	2.2	0.0	32.5	1	
7	135	21	-2	1	0	-0	-0	4.5	1.2	1.4	0.0	5.8	6	
8	135	-93	-2	1	0	-0	-0	19.7	1.0	1.4	0.0	20.7	6	
9	135	-163	-2	1	0	-0	-0	34.5	1.6	1.4	0.0	36.1	6	
10	135	-326	-4	7	0	-0	-0	69.1	1.3	4.5	0.0	70.4	1	
11	135	-101	-2	5	0	-0	-0	21.4	1.1	2.8	0.0	22.5	6	
12	135	-198	-2	5	0	-0	-0	42.0	1.0	2.8	0.0	43.0	6	
13	135	-215	-2	5	0	-0	-0	45.7	1.5	2.8	0.0	47.2	6	
14	135	-460	-4	2	0	-0	-0	97.7	1.0	2.3	0.0	98.7	6	
15	135	-147	-2	1	0	-0	-0	31.2	1.3	1.4	0.0	32.5	6	
16	135	-283	-2	1	0	-0	-0	60.0	1.0	1.4	0.0	61.1	6	
17	135	-301	-2	1	0	-0	-0	63.9	1.6	1.4	0.0	65.5	6	

ASTA NUM. 17 NI 132 NF 138 Lungh. 77.9 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5453	-0.1363	--	--	4.3624	3.6808 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-825	2	0	0	0	-0	130.2	1.1	0.7	0.0	131.3	1	
1E	0	-739	2	0	0	0	-0	116.6	1.1	0.7	0.0	117.7	1	
1I	0	-799	2	0	0	0	-0	126.0	1.1	0.7	0.0	127.0	1	
1M	0	-766	2	0	0	0	-0	120.8	1.1	0.7	0.0	121.9	1	
2	0	-1293	2	5	0	0	-0	203.9	0.9	2.2	0.0	204.9	6	
3	0	-1903	1	3	0	-0	-0	300.2	1.5	1.3	0.0	301.6	6	
4	0	-1396	1	3	0	-0	-0	220.2	1.1	1.3	0.0	221.2	6	
5	0	-2431	1	3	0	-0	-0	383.4	1.6	1.3	0.0	385.1	6	
6	0	-1094	2	2	0	0	-0	172.6	1.4	1.0	0.0	173.9	1	
7	0	-2385	1	1	0	0	-0	376.2	1.6	0.7	0.0	377.7	6	
8	0	-1439	1	1	0	0	-0	227.0	1.0	0.6	0.0	228.0	6	
9	0	-2720	1	1	0	0	-0	429.0	1.7	0.7	0.0	430.8	6	
10	0	-797	2	5	0	0	-0	125.7	0.5	2.1	0.0	126.1	6	
11	0	-1627	1	3	0	-0	-0	256.6	1.2	1.3	0.0	257.8	6	
12	0	-1142	1	3	0	-0	-0	180.1	0.8	1.3	0.0	180.9	6	
13	0	-2109	1	3	0	-0	-0	332.6	1.4	1.3	0.0	334.0	6	
14	0	-689	2	2	0	0	0	108.7	1.0	1.1	0.0	109.8	1	
15	0	-2164	1	1	0	0	-0	341.3	1.3	0.7	0.0	342.6	6	
16	0	-1276	1	1	0	0	-0	201.3	0.8	0.6	0.0	202.1	6	
17	0	-2452	1	1	0	0	-0	386.8	1.5	0.6	0.0	388.2	6	
1A	39	-825	-0	0	0	-0	0	130.1	6.2	0.2	0.0	136.3	6	
1E	39	-738	-0	0	0	-0	0	116.5	6.2	0.2	0.0	122.7	6	
1I	39	-798	-0	0	0	-0	0	125.8	6.2	0.2	0.0	132.0	6	
1M	39	-765	-0	0	0	-0	0	120.7	6.2	0.2	0.0	126.9	6	
2	39	-1291	-0	0	0	-1	0	203.6	21.2	0.1	0.0	224.9	1	
3	39	-1902	0	0	0	-1	0	299.9	13.3	0.1	0.0	313.3	1	
4	39	-1395	0	0	0	-1	0	220.0	13.2	0.1	0.0	233.2	1	

5	39	-2430	0	0	0	-1	0	383.3	13.0	0.1	0.0	396.3	1
6	39	-1093	-0	1	0	-0	0	172.3	9.9	0.2	0.0	182.3	6
7	39	-2384	0	0	0	-0	0	376.0	6.1	0.1	0.0	382.1	1
8	39	-1438	-0	0	0	-0	0	226.8	5.9	0.1	0.0	232.7	6
9	39	-2719	-0	0	0	-0	0	428.9	5.6	0.1	0.0	434.5	1
10	39	-795	-0	0	0	-1	0	125.4	21.0	0.1	0.0	146.3	1
11	39	-1626	0	0	0	-1	0	256.4	13.2	0.1	0.0	269.6	1
12	39	-1141	-0	0	0	-1	0	180.0	13.1	0.1	0.0	193.0	1
13	39	-2108	0	0	0	-1	0	332.4	12.9	0.1	0.0	345.3	1
14	39	-688	-0	0	0	-0	0	108.5	10.5	0.2	0.0	118.9	6
15	39	-2163	0	0	0	-0	0	341.2	5.8	0.1	0.0	347.0	6
16	39	-1275	-0	0	0	-0	0	201.1	5.8	0.1	0.0	206.9	6
17	39	-2452	-0	0	0	-0	0	386.7	5.4	0.1	0.0	392.1	1
1A	78	-824	-2	0	0	-0	-0	129.9	4.7	0.8	0.0	134.6	1
1E	78	-737	-2	0	0	-0	-0	116.3	4.7	0.8	0.0	121.0	1
1I	78	-797	-2	0	0	-0	-0	125.7	4.8	0.8	0.0	130.4	1
1M	78	-764	-2	0	0	-0	-0	120.5	4.8	0.8	0.0	125.3	1
2	78	-1289	-2	-4	0	-0	-0	203.3	4.8	1.9	0.0	208.1	1
3	78	-1900	-1	-3	0	-0	-0	299.7	2.8	1.2	0.0	302.5	1
4	78	-1394	-1	-3	0	-0	-0	219.9	2.8	1.2	0.0	222.7	1
5	78	-2429	-1	-3	0	-0	-0	383.1	2.8	1.2	0.0	386.0	1
6	78	-1091	-2	-1	0	-0	-0	172.1	7.2	1.1	0.0	179.3	1
7	78	-2383	-1	-0	0	-0	-0	375.9	4.3	0.6	0.0	380.2	1
8	78	-1437	-1	-0	0	-0	-0	226.7	4.3	0.7	0.0	231.0	1
9	78	-2718	-1	-0	0	-0	-0	428.7	4.3	0.7	0.0	433.0	1
10	78	-793	-2	-4	0	-0	-0	125.1	4.2	1.9	0.0	129.3	1
11	78	-1624	-1	-3	0	-0	-0	256.2	2.5	1.2	0.0	258.6	1
12	78	-1140	-1	-3	0	-0	-0	179.8	2.5	1.2	0.0	182.3	1
13	78	-2106	-1	-3	0	-0	-0	332.2	2.6	1.2	0.0	334.8	1
14	78	-686	-3	-1	0	-0	-0	108.2	5.9	1.2	0.0	114.1	1
15	78	-2162	-1	-0	0	-0	-0	341.0	3.5	0.6	0.0	344.5	1
16	78	-1274	-1	-0	0	-0	-0	200.9	3.6	0.7	0.0	204.6	1
17	78	-2451	-1	-0	0	-0	-0	386.6	3.6	0.7	0.0	390.2	1

ASTA NUM. 18 NI 131 NF 138 Lungh. 77.9 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5453	-0.1363	--	--	4.3624	3.6808 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	179	2	-0	0	-0	0	28.3	1.3	0.7	0.0	29.6	1	
1E	0	265	2	-0	0	-0	0	41.9	1.3	0.7	0.0	43.1	1	
1I	0	206	2	-0	0	-0	0	32.5	1.3	0.7	0.0	33.8	1	
1M	0	239	2	-0	0	-0	0	37.6	1.3	0.7	0.0	38.9	1	
2	0	562	2	-5	0	-0	0	88.6	0.7	2.2	0.0	89.3	1	
3	0	1268	1	-3	0	-0	0	200.0	1.1	1.3	0.0	201.1	6	
4	0	1004	1	-3	0	-0	0	158.4	0.9	1.3	0.0	159.2	6	
5	0	2169	1	-3	0	-0	0	342.1	1.5	1.3	0.0	343.7	6	
6	0	304	2	-2	0	-0	0	47.9	1.7	1.0	0.0	49.7	1	
7	0	1617	1	-1	0	-0	0	255.0	1.9	0.6	0.0	256.9	6	
8	0	1015	1	-1	0	-0	0	160.1	1.4	0.6	0.0	161.5	1	
9	0	2488	1	-1	0	-0	0	392.4	2.2	0.6	0.0	394.6	6	
10	0	548	2	-5	0	-0	0	86.4	0.7	2.1	0.0	87.1	6	
11	0	1225	1	-3	0	-0	0	193.2	1.1	1.3	0.0	194.3	6	
12	0	1050	1	-3	0	-0	0	165.6	1.0	1.3	0.0	166.6	6	
13	0	2070	1	-3	0	-0	0	326.5	1.5	1.3	0.0	328.0	6	
14	0	708	2	-2	0	-0	0	111.7	1.7	1.0	0.0	113.4	1	
15	0	1839	1	-1	0	-0	0	290.1	2.0	0.6	0.0	292.1	6	
16	0	1357	1	-1	0	-0	0	214.0	1.6	0.6	0.0	215.7	6	
17	0	2589	1	-1	0	-0	0	408.4	2.3	0.6	0.0	410.6	6	
1A	39	180	-0	-0	0	0	0	28.4	6.5	0.2	0.0	35.0	6	
1E	39	266	-0	-0	0	0	0	42.0	6.5	0.2	0.0	48.6	6	
1I	39	207	-0	-0	0	0	0	32.7	6.5	0.2	0.0	39.2	6	
1M	39	240	-0	-0	0	0	0	37.8	6.5	0.2	0.0	44.3	6	
2	39	564	-0	-0	0	1	0	88.9	21.1	0.1	0.0	110.0	1	
3	39	1269	-0	-0	0	1	0	200.2	12.9	0.1	0.0	213.1	1	
4	39	1006	-0	-0	0	1	0	158.6	13.1	0.1	0.0	171.7	1	
5	39	2170	-0	-0	0	1	0	342.3	13.1	0.1	0.0	355.4	1	
6	39	305	-0	-1	0	0	0	48.2	10.4	0.2	0.0	58.5	6	
7	39	1618	-0	-0	0	0	0	255.2	6.9	0.1	0.0	262.1	6	
8	39	1016	-0	-0	0	0	0	160.3	6.8	0.1	0.0	167.0	6	
9	39	2489	-0	-0	0	0	0	392.6	7.2	0.1	0.0	399.8	6	
10	39	550	-0	-0	0	1	0	86.7	20.9	0.1	0.0	107.6	1	
11	39	1227	-0	-0	0	1	0	193.5	12.8	0.1	0.0	206.2	1	
12	39	1052	-0	-0	0	1	0	165.9	12.9	0.1	0.0	178.8	1	
13	39	2071	-0	-0	0	1	0	326.7	13.1	0.1	0.0	339.7	1	
14	39	710	-0	-0	0	0	0	112.0	10.9	0.2	0.0	122.9	6	
15	39	1840	-0	-0	0	0	0	290.2	6.8	0.1	0.0	297.0	6	
16	39	1358	-0	-0	0	0	0	214.2	6.7	0.1	0.0	220.9	6	
17	39	2590	-0	-0	0	0	0	408.5	7.1	0.1	0.0	415.6	6	

1A	78	181	-2	-0	0	0	-0	28.6	4.5	0.8	0.0	33.1	1
1E	78	267	-2	-0	0	0	-0	42.2	4.5	0.8	0.0	46.7	1
1I	78	208	-2	-0	0	0	-0	32.8	4.5	0.8	0.0	37.3	1
1M	78	241	-2	-0	0	0	-0	37.9	4.5	0.8	0.0	42.4	1
2	78	565	-2	4	0	0	-0	89.2	4.4	1.9	0.0	93.5	1
3	78	1270	-1	3	0	0	-0	200.3	2.1	1.2	0.0	202.4	1
4	78	1007	-1	3	0	0	-0	158.8	2.3	1.2	0.0	161.1	1
5	78	2171	-1	3	0	0	-0	342.4	2.0	1.2	0.0	344.4	1
6	78	307	-2	1	0	0	-0	48.4	6.9	1.1	0.0	55.3	1
7	78	1619	-2	0	0	0	-0	255.4	3.3	0.7	0.0	258.7	1
8	78	1017	-2	0	0	0	-0	160.4	3.8	0.7	0.0	164.2	1
9	78	2490	-2	0	0	0	-0	392.7	3.3	0.7	0.0	396.1	1
10	78	552	-2	4	0	0	-0	87.0	3.9	1.9	0.0	91.0	1
11	78	1228	-1	3	0	0	-0	193.7	1.8	1.2	0.0	195.5	1
12	78	1053	-1	3	0	0	-0	166.1	2.0	1.2	0.0	168.1	1
13	78	2072	-1	3	0	0	-0	326.8	2.0	1.2	0.0	328.8	1
14	78	711	-3	1	0	0	-0	112.2	5.6	1.2	0.0	117.8	1
15	78	1841	-2	0	0	0	-0	290.4	2.5	0.7	0.0	292.8	1
16	78	1359	-2	0	0	0	-0	214.4	3.0	0.7	0.0	217.3	1
17	78	2591	-2	0	0	0	-0	408.7	2.9	0.7	0.0	411.6	1

ASTA NUM. 19 NI 133 NF 131 Lungh. 158.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5283	-0.1321	--	--	4.3803	3.7199 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-179	3	0	0	-0	-0	28.2	1.4	1.6	0.0	29.6	6	
1E	0	-88	3	0	0	-0	-0	13.9	1.4	1.6	0.0	15.4	6	
1I	0	-149	3	0	0	-0	-0	23.5	1.5	1.6	0.0	25.0	6	
1M	0	-118	3	0	0	-0	-0	18.6	1.5	1.6	0.0	20.1	6	
2	0	-415	4	9	0	-0	-0	65.5	1.9	4.1	0.0	67.4	6	
3	0	-1225	3	6	0	-0	-0	193.2	1.9	2.6	0.0	195.1	6	
4	0	-891	3	6	0	-0	-0	140.5	1.5	2.6	0.0	141.9	6	
5	0	-1956	3	6	0	-0	-0	308.5	2.1	2.6	0.0	310.6	6	
6	0	-111	5	2	0	-0	-0	17.5	2.2	2.2	0.0	19.7	6	
7	0	-1571	3	1	0	-0	-0	247.8	2.5	1.4	0.0	250.3	6	
8	0	-863	3	1	0	-0	-0	136.2	1.8	1.4	0.0	137.9	6	
9	0	-2198	3	1	0	-0	-0	346.7	2.5	1.4	0.0	349.2	6	
10	0	-147	4	9	0	-0	-0	23.2	1.6	4.1	0.0	24.8	3	
11	0	-1057	3	6	0	-0	-0	166.7	1.8	2.6	0.0	168.5	6	
12	0	-779	3	6	0	-0	-0	122.9	1.4	2.6	0.0	124.2	6	
13	0	-1738	3	6	0	-0	-0	274.1	1.9	2.6	0.0	276.1	6	
14	0	-148	5	2	0	-0	-0	23.4	2.0	2.3	0.0	25.3	6	
15	0	-1594	3	1	0	-0	-0	251.4	2.4	1.4	0.0	253.8	6	
16	0	-977	3	1	0	-0	-0	154.1	1.7	1.4	0.0	155.8	6	
17	0	-2139	3	1	0	-0	-0	337.4	2.4	1.4	0.0	339.8	6	
1A	79	-177	0	0	0	-0	1	27.9	25.9	0.0	0.0	53.8	6	
1E	79	-86	0	0	0	-0	1	13.6	25.9	0.0	0.0	39.5	6	
1I	79	-147	0	0	0	-0	1	23.2	25.9	0.0	0.0	49.1	6	
1M	79	-116	0	0	0	-0	1	18.3	25.9	0.0	0.0	44.2	6	
2	79	-411	0	0	0	-4	2	64.9	81.0	0.0	0.0	145.9	1	
3	79	-1223	0	0	0	-2	1	192.8	51.2	0.0	0.0	244.0	1	
4	79	-888	0	0	0	-2	1	140.1	50.8	0.0	0.0	190.9	1	
5	79	-1954	0	0	0	-2	1	308.1	51.2	0.0	0.0	359.3	1	
6	79	-108	0	0	0	-1	2	17.1	41.3	0.0	0.0	58.4	6	
7	79	-1570	0	0	0	-1	1	247.6	26.0	0.0	0.0	273.6	6	
8	79	-862	0	0	0	-1	1	135.9	25.9	0.0	0.0	161.8	6	
9	79	-2196	0	0	0	-1	1	346.4	25.9	0.0	0.0	372.3	6	
10	79	-143	0	0	0	-4	2	22.6	80.9	0.0	0.0	103.5	1	
11	79	-1055	0	0	0	-2	1	166.3	51.1	0.0	0.0	217.4	1	
12	79	-777	0	0	0	-2	1	122.5	50.8	0.0	0.0	173.3	1	
13	79	-1736	0	0	0	-2	1	273.7	51.1	0.0	0.0	324.9	1	
14	79	-145	0	0	0	-1	2	22.9	43.9	0.0	0.0	66.8	6	
15	79	-1592	0	0	0	-1	1	251.1	26.0	0.0	0.0	277.1	6	
16	79	-976	0	0	0	-1	1	153.9	25.9	0.0	0.0	179.8	6	
17	79	-2137	0	0	0	-1	1	337.1	26.0	0.0	0.0	363.0	6	
1A	158	-175	-3	0	0	-0	-0	27.6	1.3	1.6	0.0	29.0	1	
1E	158	-85	-3	0	0	-0	-0	13.4	1.3	1.6	0.0	14.7	1	
1I	158	-145	-3	0	0	-0	-0	22.9	1.3	1.6	0.0	24.3	1	
1M	158	-114	-3	0	0	-0	-0	18.0	1.3	1.6	0.0	19.4	1	
2	158	-408	-4	-9	0	-0	-0	64.3	1.3	4.1	0.0	65.6	1	
3	158	-1220	-3	-6	0	-0	0	192.4	1.4	2.6	0.0	193.8	1	
4	158	-886	-3	-6	0	-0	-0	139.7	1.0	2.6	0.0	140.7	1	
5	158	-1951	-3	-6	0	-0	0	307.7	1.4	2.6	0.0	309.1	1	
6	158	-105	-5	-2	0	-0	-0	16.6	2.0	2.1	0.0	18.6	1	
7	158	-1568	-3	-1	0	-0	0	247.3	2.2	1.3	0.0	249.5	1	
8	158	-860	-3	-1	0	-0	-0	135.6	1.5	1.3	0.0	137.1	1	
9	158	-2194	-3	-1	0	-0	0	346.1	2.0	1.3	0.0	348.0	1	
10	158	-139	-4	-9	0	-0	-0	22.0	1.2	4.1	0.0	23.6	4	
11	158	-1052	-3	-6	0	-0	0	165.9	1.2	2.6	0.0	167.2	1	

12	158	-774	-3	-6	0	-0	-0	122.1	1.0	2.6	0.0	123.1	1
13	158	-1733	-3	-6	0	-0	0	273.3	1.3	2.6	0.0	274.6	1
14	158	-142	-5	-2	0	-0	-0	22.4	1.8	2.3	0.0	24.2	1
15	158	-1590	-3	-1	0	-0	0	250.8	2.0	1.3	0.0	252.8	1
16	158	-974	-3	-1	0	-0	-0	153.6	1.4	1.3	0.0	155.0	1
17	158	-2135	-3	-1	0	-0	0	336.8	1.8	1.3	0.0	338.6	1

ASTA NUM. 20 NI 130 NF 132 Lungh. 158.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5283	-0.1321	--	--	4.3803	3.7199 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	786	3	-0	0	0	-0	124.0	0.8	1.6	0.0	124.8	6	
1E	0	877	3	-0	0	0	-0	138.3	0.8	1.6	0.0	139.1	6	
1I	0	816	3	-0	0	0	-0	128.7	0.8	1.6	0.0	129.5	6	
1M	0	847	3	-0	0	0	-0	133.6	0.8	1.6	0.0	134.4	6	
2	0	1367	4	-9	0	-0	-0	215.6	1.2	4.1	0.0	216.8	6	
3	0	1821	3	-6	0	-0	0	287.2	1.2	2.6	0.0	288.5	1	
4	0	1416	3	-6	0	-0	-0	223.3	0.9	2.6	0.0	224.2	1	
5	0	2462	3	-6	0	-0	0	388.3	1.3	2.6	0.0	389.6	1	
6	0	1231	5	-2	0	0	-0	194.2	1.2	2.1	0.0	195.4	6	
7	0	2274	3	-1	0	-0	0	358.7	1.2	1.3	0.0	359.8	1	
8	0	1494	3	-1	0	-0	-0	235.6	0.5	1.3	0.0	236.2	1	
9	0	2803	3	-1	0	-0	0	442.1	0.9	1.3	0.0	443.0	1	
10	0	1145	4	-9	0	-0	-0	180.6	1.1	4.1	0.0	181.7	6	
11	0	1682	3	-6	0	-0	0	265.3	1.1	2.6	0.0	266.4	1	
12	0	1327	3	-6	0	-0	-0	209.3	0.8	2.6	0.0	210.1	1	
13	0	2275	3	-6	0	-0	0	358.8	1.2	2.6	0.0	360.0	1	
14	0	1194	5	-2	0	0	-0	188.3	1.0	2.3	0.0	189.3	6	
15	0	2251	3	-1	0	-0	0	355.0	1.2	1.3	0.0	356.3	1	
16	0	1553	3	-1	0	-0	0	245.0	0.4	1.3	0.0	245.4	1	
17	0	2702	3	-1	0	-0	0	426.2	1.1	1.3	0.0	427.3	1	
1A	79	788	0	-0	0	0	1	124.3	25.8	0.0	0.0	150.1	6	
1E	79	879	0	-0	0	0	1	138.6	25.8	0.0	0.0	164.4	6	
1I	79	818	0	-0	0	0	1	129.0	25.8	0.0	0.0	154.8	6	
1M	79	849	0	-0	0	0	1	133.9	25.8	0.0	0.0	159.7	6	
2	79	1371	0	-0	0	4	2	216.2	80.1	0.0	0.0	296.2	1	
3	79	1824	-0	-0	0	2	1	287.6	49.3	0.0	0.0	336.9	1	
4	79	1418	-0	-0	0	2	1	223.7	49.7	0.0	0.0	273.3	1	
5	79	2464	-0	-0	0	2	1	388.6	49.4	0.0	0.0	438.0	1	
6	79	1234	0	-0	0	1	2	194.6	41.2	0.0	0.0	235.8	6	
7	79	2276	-0	-0	0	1	1	358.9	25.6	0.0	0.0	384.5	6	
8	79	1496	-0	-0	0	1	1	236.0	25.7	0.0	0.0	261.7	6	
9	79	2805	-0	-0	0	1	1	442.4	25.7	0.0	0.0	468.1	6	
10	79	1149	0	-0	0	4	2	181.2	80.2	0.0	0.0	261.4	1	
11	79	1685	-0	-0	0	2	1	265.7	49.4	0.0	0.0	315.1	1	
12	79	1330	-0	-0	0	2	1	209.7	49.7	0.0	0.0	259.4	1	
13	79	2277	-0	-0	0	2	1	359.1	49.4	0.0	0.0	408.6	1	
14	79	1197	0	-0	0	1	2	188.8	43.8	0.0	0.0	232.6	6	
15	79	2253	-0	-0	0	1	1	355.3	25.6	0.0	0.0	380.9	6	
16	79	1555	-0	-0	0	1	1	245.2	25.7	0.0	0.0	270.9	6	
17	79	2704	-0	-0	0	1	1	426.5	25.7	0.0	0.0	452.2	6	
1A	158	790	-3	-0	0	0	-0	124.6	0.9	1.6	0.0	125.5	1	
1E	158	880	-3	-0	0	0	-0	138.9	0.9	1.6	0.0	139.8	1	
1I	158	820	-3	-0	0	0	-0	129.3	0.9	1.6	0.0	130.2	1	
1M	158	851	-3	-0	0	0	-0	134.2	0.9	1.6	0.0	135.1	1	
2	158	1374	-4	9	0	0	-0	216.7	0.7	4.1	0.0	217.5	6	
3	158	1826	-3	6	0	-0	-0	288.0	0.8	2.6	0.0	288.9	1	
4	158	1420	-3	6	0	-0	-0	224.0	0.7	2.6	0.0	224.6	6	
5	158	2466	-3	6	0	-0	-0	389.0	1.1	2.6	0.0	390.0	6	
6	158	1237	-5	2	0	0	-0	195.1	1.3	2.1	0.0	196.4	1	
7	158	2277	-3	1	0	-0	-0	359.1	0.8	1.3	0.0	360.0	6	
8	158	1498	-3	1	0	0	-0	236.3	0.6	1.3	0.0	236.9	6	
9	158	2807	-3	1	0	-0	-0	442.7	1.0	1.4	0.0	443.8	6	
10	158	1152	-4	9	0	0	-0	181.7	0.8	4.1	0.0	182.5	6	
11	158	1687	-3	6	0	-0	-0	266.1	0.8	2.6	0.0	266.9	6	
12	158	1332	-3	6	0	-0	-0	210.1	0.7	2.6	0.0	210.8	6	
13	158	2279	-3	6	0	-0	-0	359.5	1.1	2.6	0.0	360.5	6	
14	158	1200	-5	2	0	0	-0	189.3	1.1	2.3	0.0	190.4	1	
15	158	2254	-3	1	0	-0	-0	355.5	0.9	1.3	0.0	356.5	6	
16	158	1556	-3	1	0	-0	-0	245.4	0.7	1.3	0.0	246.1	6	
17	158	2706	-3	1	0	-0	-0	426.8	1.1	1.4	0.0	427.9	6	

ASTA NUM. 21 NI 99 NF 133 Lungh. 80.1 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5121	-0.1280	--	--	4.3975	3.7574 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	67	2	0	0	-0	-0	10.5	2.3	0.9	0.0	12.8	6	
1E	0	162	2	0	0	-0	-0	25.5	2.3	0.9	0.0	27.8	6	
1I	0	98	2	0	0	-0	-0	15.5	2.3	0.9	0.0	17.7	6	
1M	0	130	2	0	0	-0	-0	20.6	2.3	0.9	0.0	22.8	6	
2	0	377	2	-5	0	-0	-0	59.5	3.3	2.1	0.0	62.8	6	
3	0	1160	2	-3	0	-0	-0	183.0	2.2	1.3	0.0	185.2	6	
4	0	842	2	-3	0	-0	-0	132.7	1.9	1.3	0.0	134.7	6	
5	0	1863	1	-3	0	-0	-0	293.8	2.1	1.3	0.0	296.0	6	
6	0	84	3	-1	0	-0	-0	13.3	3.7	1.3	0.0	17.0	6	
7	0	1491	2	-1	0	-0	-0	235.2	2.7	0.8	0.0	237.9	6	
8	0	815	2	-1	0	-0	-0	128.5	2.2	0.8	0.0	130.7	6	
9	0	2095	2	-1	0	-0	-0	330.4	2.5	0.7	0.0	332.9	6	
10	0	121	2	-5	0	-0	-0	19.1	3.2	2.1	0.0	22.3	6	
11	0	1000	2	-3	0	-0	-0	157.7	2.2	1.3	0.0	159.9	6	
12	0	735	2	-3	0	-0	-0	115.9	1.9	1.3	0.0	117.8	6	
13	0	1654	1	-3	0	-0	-0	260.9	2.1	1.3	0.0	263.0	6	
14	0	122	3	-1	0	0	-0	19.3	3.4	1.3	0.0	22.7	6	
15	0	1514	2	-1	0	0	-0	238.8	2.6	0.8	0.0	241.4	6	
16	0	925	2	-1	0	0	-0	145.9	2.1	0.8	0.0	148.0	6	
17	0	2040	2	-1	0	-0	-0	321.8	2.3	0.7	0.0	324.0	6	
1A	40	68	0	0	0	-0	0	10.7	6.6	0.1	0.0	17.2	6	
1E	40	163	0	0	0	-0	0	25.6	6.6	0.1	0.0	32.2	6	
1I	40	99	0	0	0	-0	0	15.6	6.5	0.1	0.0	22.1	6	
1M	40	131	0	0	0	-0	0	20.7	6.5	0.1	0.0	27.2	6	
2	40	379	0	-0	0	1	0	59.8	19.9	0.1	0.0	79.7	1	
3	40	1162	0	0	0	1	0	183.2	11.9	0.1	0.0	195.1	1	
4	40	843	0	0	0	1	0	132.9	12.2	0.1	0.0	145.1	1	
5	40	1865	0	-0	0	0	0	294.1	11.2	0.0	0.0	305.3	1	
6	40	86	0	-0	0	0	0	13.5	10.0	0.2	0.0	23.5	6	
7	40	1492	0	0	0	0	0	235.3	5.4	0.1	0.0	240.7	6	
8	40	816	0	0	0	0	0	128.6	5.9	0.1	0.0	134.6	6	
9	40	2096	0	0	0	0	0	330.6	5.3	0.1	0.0	335.9	6	
10	40	123	0	-0	0	1	0	19.4	20.3	0.1	0.0	39.6	1	
11	40	1001	0	0	0	1	0	157.9	12.1	0.1	0.0	170.0	1	
12	40	736	0	0	0	1	0	116.1	12.3	0.1	0.0	128.4	1	
13	40	1656	0	0	0	1	0	261.1	11.5	0.1	0.0	272.6	1	
14	40	124	0	0	0	0	0	19.5	10.8	0.2	0.0	30.3	6	
15	40	1515	0	0	0	0	0	239.0	5.4	0.1	0.0	244.4	6	
16	40	926	0	0	0	0	0	146.1	6.0	0.1	0.0	152.0	6	
17	40	2041	0	0	0	0	0	321.8	5.4	0.1	0.0	327.3	6	
1A	80	69	-2	0	0	-0	0	10.8	1.7	0.7	0.0	12.6	6	
1E	80	163	-2	0	0	-0	0	25.8	1.7	0.7	0.0	27.5	6	
1I	80	100	-2	0	0	-0	0	15.8	1.6	0.7	0.0	17.4	6	
1M	80	132	-2	0	0	-0	0	20.9	1.6	0.7	0.0	22.5	6	
2	80	381	-2	5	0	-0	0	60.1	1.7	2.1	0.0	61.8	6	
3	80	1163	-1	3	0	-0	0	183.4	1.4	1.3	0.0	184.9	1	
4	80	844	-1	3	0	-0	0	133.1	0.9	1.3	0.0	134.0	1	
5	80	1866	-1	3	0	-0	0	294.3	1.4	1.3	0.0	295.7	1	
6	80	87	-2	1	0	-0	0	13.7	2.5	0.9	0.0	16.3	6	
7	80	1493	-1	1	0	-0	0	235.5	2.2	0.6	0.0	237.7	1	
8	80	816	-1	1	0	-0	0	128.8	1.3	0.6	0.0	130.0	1	
9	80	2097	-1	1	0	-0	0	330.8	1.9	0.6	0.0	332.7	1	
10	80	125	-2	5	0	-0	0	19.7	1.9	2.1	0.0	21.5	6	
11	80	1002	-1	3	0	-0	0	158.0	1.3	1.3	0.0	159.4	1	
12	80	737	-1	3	0	-0	0	116.3	0.9	1.3	0.0	117.2	6	
13	80	1657	-1	3	0	-0	0	261.4	1.3	1.3	0.0	262.7	1	
14	80	125	-2	1	0	-0	0	19.7	2.4	1.0	0.0	22.2	6	
15	80	1516	-1	1	0	-0	0	239.1	2.2	0.6	0.0	241.3	1	
16	80	927	-1	1	0	-0	0	146.2	1.3	0.6	0.0	147.5	1	
17	80	2041	-1	1	0	-0	0	321.9	1.9	0.6	0.0	323.9	1	

ASTA NUM. 22 NI 99 NF 130 Lungh. 80.1 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5121	-0.1280	--	--	4.3975	3.7574 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-858	2	0	0	0	-0	135.3	2.1	0.9	0.0	137.4	6	
1E	0	-763	2	0	0	0	-0	120.3	2.1	0.9	0.0	122.4	6	
1I	0	-827	2	0	0	0	-0	130.4	2.1	0.9	0.0	132.5	6	
1M	0	-794	2	0	0	0	-0	125.2	2.1	0.9	0.0	127.3	6	
2	0	-1330	2	5	0	0	-0	209.8	2.8	2.1	0.0	212.6	6	
3	0	-1755	2	3	0	-0	-0	276.8	1.7	1.3	0.0	278.5	6	
4	0	-1368	2	3	0	0	-0	215.8	1.5	1.3	0.0	217.2	6	
5	0	-2372	2	3	0	0	-0	374.1	1.3	1.4	0.0	375.4	6	
6	0	-1202	3	1	0	0	-0	189.6	3.4	1.3	0.0	193.0	6	
7	0	-2189	2	1	0	-0	-0	345.3	2.0	0.8	0.0	347.3	6	

8	0	-1445	2	1	0	0	-0	227.9	1.8	0.8	0.0	229.7	6
9	0	-2700	2	1	0	-0	-0	425.9	1.6	0.8	0.0	427.5	6
10	0	-1117	3	5	0	0	-0	176.2	2.9	2.1	0.0	179.1	6
11	0	-1622	2	3	0	-0	-0	255.8	1.8	1.3	0.0	257.6	6
12	0	-1283	2	3	0	0	-0	202.4	1.5	1.3	0.0	203.9	6
13	0	-2192	2	3	0	-0	-0	345.7	1.5	1.4	0.0	347.2	6
14	0	-1164	3	1	0	-0	-0	183.6	3.2	1.3	0.0	186.8	6
15	0	-2166	2	1	0	-0	-0	341.6	2.1	0.8	0.0	343.7	6
16	0	-1499	2	1	0	-0	-0	236.4	1.6	0.8	0.0	238.1	6
17	0	-2602	2	1	0	-0	-0	410.4	1.8	0.8	0.0	412.2	6
1A	40	-857	0	0	0	-0	0	135.1	6.8	0.1	0.0	141.9	6
1E	40	-762	0	0	0	-0	0	120.2	6.8	0.1	0.0	127.0	6
1I	40	-826	0	0	0	-0	0	130.2	6.7	0.1	0.0	137.0	6
1M	40	-793	0	0	0	-0	0	125.1	6.7	0.1	0.0	131.8	6
2	40	-1328	0	0	0	-1	0	209.5	21.1	0.1	0.0	230.6	1
3	40	-1754	0	0	0	-1	0	276.7	14.2	0.1	0.0	290.9	1
4	40	-1367	0	0	0	-1	0	215.6	13.5	0.1	0.0	229.2	1
5	40	-2371	0	0	0	-1	0	373.9	14.1	0.1	0.0	388.0	1
6	40	-1201	0	0	0	-0	0	189.4	10.7	0.2	0.0	200.1	6
7	40	-2188	0	0	0	-0	0	345.1	7.6	0.1	0.0	352.7	6
8	40	-1444	0	0	0	-0	0	227.8	7.1	0.1	0.0	234.8	6
9	40	-2699	0	0	0	-0	0	425.7	7.7	0.1	0.0	433.4	6
10	40	-1115	0	0	0	-1	0	175.9	21.1	0.2	0.0	197.0	1
11	40	-1621	0	0	0	-1	0	255.7	14.2	0.1	0.0	269.9	1
12	40	-1282	0	0	0	-1	0	202.2	13.5	0.1	0.0	215.7	1
13	40	-2191	0	0	0	-1	0	345.6	14.1	0.1	0.0	359.7	1
14	40	-1162	0	0	0	-0	1	183.4	11.5	0.2	0.0	194.9	6
15	40	-2165	0	0	0	-0	0	341.5	7.7	0.1	0.0	349.2	6
16	40	-1498	0	0	0	-0	0	236.3	7.2	0.1	0.0	243.5	6
17	40	-2601	0	0	0	-0	0	410.3	7.7	0.1	0.0	418.0	6
1A	80	-856	-2	0	0	-0	0	135.0	2.1	0.7	0.0	137.1	6
1E	80	-761	-2	0	0	-0	0	120.1	2.1	0.7	0.0	122.2	6
1I	80	-825	-2	0	0	-0	0	130.1	2.0	0.7	0.0	132.1	6
1M	80	-792	-2	0	0	-0	0	125.0	2.0	0.7	0.0	127.0	6
2	80	-1326	-2	-4	0	-0	0	209.1	2.9	2.0	0.0	212.0	6
3	80	-1753	-1	-3	0	-0	0	276.5	2.6	1.3	0.0	279.1	1
4	80	-1366	-1	-3	0	-0	0	215.5	2.1	1.3	0.0	217.5	6
5	80	-2369	-1	-3	0	-0	0	373.7	2.9	1.3	0.0	376.5	6
6	80	-1199	-2	-1	0	-0	0	189.1	3.2	0.9	0.0	192.3	6
7	80	-2187	-1	-1	0	-0	0	345.0	3.1	0.6	0.0	348.1	6
8	80	-1443	-1	-1	0	-0	0	227.6	2.4	0.6	0.0	230.0	6
9	80	-2698	-1	-1	0	-0	0	425.6	3.4	0.6	0.0	428.9	6
10	80	-1113	-2	-5	0	-0	0	175.6	2.9	2.1	0.0	178.4	6
11	80	-1620	-1	-3	0	-0	0	255.5	2.5	1.3	0.0	258.0	6
12	80	-1281	-1	-3	0	-0	0	202.1	2.1	1.3	0.0	204.2	6
13	80	-2190	-1	-3	0	-0	0	345.4	2.8	1.3	0.0	348.2	6
14	80	-1161	-2	-1	0	-0	0	183.1	3.1	1.0	0.0	186.2	6
15	80	-2164	-1	-1	0	-0	0	341.3	3.1	0.6	0.0	344.4	6
16	80	-1497	-1	-1	0	-0	0	236.1	2.4	0.6	0.0	238.5	6
17	80	-2600	-1	-1	0	-0	0	410.1	3.3	0.6	0.0	413.4	6

ASTA NUM. 23 NI 124 NF 125 Lungh. 151.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	360	2	0	0	-0	-0	103.2	1.5	1.7	0.0	104.7	1	
1E	0	365	2	0	0	-0	-0	104.6	1.5	1.7	0.0	106.1	1	
1I	0	354	2	-0	0	-0	-0	101.4	1.6	1.7	0.0	103.0	1	
1M	0	371	2	-0	0	-0	-0	106.3	1.6	1.7	0.0	107.9	1	
2	0	550	3	6	0	-0	-0	157.6	1.7	5.1	0.0	159.3	6	
3	0	334	2	4	0	-0	-0	95.7	1.0	3.2	0.0	96.7	6	
4	0	311	2	4	0	-0	-0	89.0	1.0	3.2	0.0	90.0	6	
5	0	306	2	4	0	-0	-0	87.7	1.1	3.2	0.0	88.8	6	
6	0	597	3	2	0	-0	-0	171.1	2.5	2.4	0.0	173.6	1	
7	0	359	2	1	0	-0	-0	102.8	1.4	1.5	0.0	104.2	1	
8	0	340	2	1	0	-0	-0	97.5	1.4	1.5	0.0	99.0	1	
9	0	335	2	1	0	-0	-0	95.8	1.5	1.5	0.0	97.3	1	
10	0	587	3	6	0	-0	-0	168.1	1.8	5.1	0.0	169.9	6	
11	0	355	2	4	0	-0	-0	101.6	1.1	3.2	0.0	102.7	6	
12	0	331	2	4	0	-0	-0	94.8	1.1	3.2	0.0	95.9	6	
13	0	327	2	4	0	-0	-0	93.8	1.2	3.2	0.0	95.0	6	
14	0	585	3	2	0	-0	-0	167.5	2.5	2.6	0.0	170.0	1	
15	0	348	2	1	0	-0	-0	99.7	1.4	1.5	0.0	101.1	1	
16	0	327	2	1	0	-0	-0	93.8	1.5	1.5	0.0	95.2	1	
17	0	323	2	1	0	-0	-0	92.7	1.4	1.5	0.0	94.1	1	
1A	76	360	-0	0	0	-0	1	103.2	39.9	0.0	0.0	143.1	6	
1E	76	365	-0	0	0	-0	1	104.6	39.9	0.0	0.0	144.6	6	
1I	76	354	-0	-0	0	-0	1	101.4	39.9	0.0	0.0	141.4	6	
1M	76	371	-0	-0	0	-0	1	106.3	39.9	0.0	0.0	146.3	6	
2	76	550	-0	-0	0	-2	1	157.6	140.3	0.0	0.0	297.9	1	
3	76	334	0	-0	0	-1	1	95.7	87.6	0.0	0.0	183.3	1	
4	76	311	0	-0	0	-1	1	89.0	87.5	0.0	0.0	176.5	1	
5	76	306	0	0	0	-1	1	87.7	87.5	0.0	0.0	175.2	1	
6	76	597	-0	-0	0	-1	1	171.1	67.0	0.0	0.0	238.1	6	
7	76	359	0	-0	0	-0	1	102.8	41.9	0.0	0.0	144.7	6	
8	76	340	-0	-0	0	-0	1	97.5	41.8	0.0	0.0	139.3	6	
9	76	335	0	-0	0	-0	1	95.8	41.8	0.0	0.0	137.7	6	
10	76	587	-0	-0	0	-2	1	168.1	140.5	0.0	0.0	308.6	1	
11	76	355	0	-0	0	-1	1	101.6	87.7	0.0	0.0	189.2	1	
12	76	331	-0	-0	0	-1	1	94.8	87.6	0.0	0.0	182.4	1	
13	76	327	0	-0	0	-1	1	93.8	87.6	0.0	0.0	181.4	1	
14	76	585	-0	-0	0	-1	1	167.5	70.9	0.0	0.0	238.4	6	
15	76	348	0	-0	0	-0	1	99.7	41.8	0.0	0.0	141.6	6	
16	76	327	-0	-0	0	-0	1	93.8	41.8	0.0	0.0	135.6	6	
17	76	323	0	-0	0	-0	1	92.7	41.8	0.0	0.0	134.5	6	
1A	152	360	-2	0	0	-0	-0	103.2	1.7	1.7	0.0	104.9	1	
1E	152	365	-2	0	0	-0	-0	104.6	1.7	1.7	0.0	106.3	1	
1I	152	354	-2	-0	0	-0	-0	101.4	1.5	1.7	0.0	103.0	1	
1M	152	371	-2	-0	0	-0	-0	106.3	1.5	1.7	0.0	107.9	1	
2	152	550	-3	-6	0	-0	-0	157.6	1.7	5.1	0.0	159.3	6	
3	152	334	-2	-4	0	-0	-0	95.7	1.0	3.2	0.0	96.7	6	
4	152	311	-2	-4	0	-0	-0	89.0	1.0	3.2	0.0	90.0	6	
5	152	306	-2	-4	0	-0	-0	87.7	0.9	3.2	0.0	88.6	6	
6	152	597	-3	-2	0	-0	-0	171.1	2.4	2.4	0.0	173.5	1	
7	152	359	-2	-1	0	-0	-0	102.8	1.3	1.5	0.0	104.1	1	
8	152	340	-2	-1	0	-0	-0	97.5	1.3	1.5	0.0	98.8	1	
9	152	335	-2	-1	0	-0	-0	95.8	1.4	1.5	0.0	97.2	1	
10	152	587	-3	-6	0	-0	-0	168.1	1.8	5.1	0.0	169.9	6	
11	152	355	-2	-4	0	-0	-0	101.6	1.1	3.2	0.0	102.6	6	
12	152	331	-2	-4	0	-0	-0	94.8	1.1	3.2	0.0	95.9	6	
13	152	327	-2	-4	0	-0	-0	93.8	1.0	3.2	0.0	94.8	6	
14	152	585	-3	-2	0	-0	-0	167.5	2.4	2.6	0.0	169.9	1	
15	152	348	-2	-1	0	-0	-0	99.7	1.3	1.5	0.0	101.0	1	
16	152	327	-2	-1	0	-0	-0	93.8	1.3	1.5	0.0	95.0	1	
17	152	323	-2	-1	0	-0	-0	92.7	1.3	1.5	0.0	94.0	1	

ASTA NUM. 24 NI 125 NF 99 Lungh. 97.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0226	-0.2556	--	--	2.3044	1.0262 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-507	1	-0	0	-0	0	145.2	0.9	0.9	0.0	146.1	6	
1E	0	-409	1	-0	0	-0	0	117.1	0.9	0.9	0.0	118.0	6	
1I	0	-477	1	-0	0	-0	0	136.6	0.8	0.9	0.0	137.4	6	
1M	0	-439	1	-0	0	-0	0	125.7	0.8	0.9	0.0	126.5	6	
2	0	-640	1	-3	0	0	-0	183.4	1.7	2.8	0.0	185.1	1	
3	0	-331	1	-2	0	0	-0	94.7	1.8	1.8	0.0	96.5	1	
4	0	-414	1	-2	0	0	-0	118.7	1.5	1.8	0.0	120.3	1	
5	0	-83	1	-2	0	0	-0	23.7	1.0	1.8	0.0	24.8	1	
6	0	-749	1	-1	0	-0	0	214.6	0.5	1.1	0.0	215.1	6	
7	0	-361	1	-1	0	0	0	103.3	0.8	0.7	0.0	104.1	1	
8	0	-486	1	-1	0	0	0	139.3	0.4	0.7	0.0	139.7	1	
9	0	-73	1	-1	0	-0	0	21.0	0.1	0.7	0.0	21.1	4	
10	0	-719	1	-3	0	0	-0	206.1	1.7	2.9	0.0	207.7	1	
11	0	-377	1	-2	0	0	-0	108.0	1.8	1.8	0.0	109.8	1	
12	0	-460	1	-2	0	0	-0	131.9	1.5	1.8	0.0	133.4	1	
13	0	-147	1	-2	0	0	-0	42.2	1.0	1.8	0.0	43.3	1	
14	0	-731	1	-1	0	-0	0	209.5	0.1	1.2	0.0	209.6	1	
15	0	-347	1	-1	0	0	0	99.4	0.8	0.7	0.0	100.3	1	
16	0	-469	1	-1	0	0	0	134.3	0.5	0.7	0.0	134.8	1	
17	0	-87	1	-1	0	-0	0	24.8	0.0	0.7	0.0	24.9	4	
1A	49	-506	-0	-0	0	0	0	145.0	14.2	0.0	0.0	159.1	6	
1E	49	-408	-0	-0	0	0	0	116.9	14.2	0.0	0.0	131.1	6	
1I	49	-476	-0	-0	0	0	0	136.4	14.0	0.0	0.0	150.5	6	
1M	49	-438	-0	-0	0	0	0	125.5	14.0	0.0	0.0	139.5	6	
2	49	-638	0	0	0	1	0	182.8	46.8	0.0	0.0	229.6	1	
3	49	-329	0	0	0	1	0	94.3	29.5	0.0	0.0	123.8	1	
4	49	-413	0	0	0	1	0	118.4	29.3	0.0	0.0	147.7	1	
5	49	-81	0	0	0	1	0	23.3	29.0	0.0	0.0	52.4	1	
6	49	-747	-0	-0	0	0	0	214.2	21.4	0.0	0.0	235.6	6	
7	49	-360	-0	0	0	0	0	103.1	12.9	0.0	0.0	116.0	6	
8	49	-485	-0	-0	0	0	0	139.0	13.1	0.0	0.0	152.1	6	
9	49	-72	-0	0	0	0	0	20.8	13.3	0.0	0.0	34.0	6	
10	49	-717	0	0	0	1	0	205.5	46.9	0.0	0.0	252.4	1	
11	49	-376	0	0	0	1	0	107.6	29.6	0.0	0.0	137.2	1	
12	49	-459	0	0	0	1	0	131.5	29.4	0.0	0.0	160.8	1	
13	49	-146	0	0	0	1	0	41.8	29.1	0.0	0.0	70.9	1	
14	49	-730	-0	-0	0	0	0	209.1	22.7	0.0	0.0	231.8	6	

15	49	-346	-0	-0	0	0	0	99.2	12.8	0.0	0.0	112.0	6
16	49	-468	-0	-0	0	0	0	134.1	13.0	0.0	0.0	147.1	6
17	49	-86	-0	0	0	0	0	24.6	13.2	0.0	0.0	37.8	6
1A	97	-505	-1	-0	0	0	0	144.8	0.5	0.9	0.0	145.3	1
1E	97	-407	-1	-0	0	0	0	116.7	0.5	0.9	0.0	117.2	1
1I	97	-475	-1	-0	0	0	-0	136.2	0.4	0.9	0.0	136.7	1
1M	97	-437	-1	-0	0	0	-0	125.3	0.4	0.9	0.0	125.7	1
2	97	-636	-1	4	0	-0	0	182.2	1.3	2.9	0.0	183.5	1
3	97	-328	-0	2	0	-0	-0	93.9	0.3	1.8	0.0	94.2	1
4	97	-412	-0	2	0	-0	0	118.0	0.4	1.8	0.0	118.4	1
5	97	-80	-0	2	0	-0	0	23.0	1.3	1.8	0.0	24.2	1
6	97	-746	-1	1	0	0	0	213.8	0.3	1.2	0.0	214.1	1
7	97	-359	-1	1	0	0	-0	102.9	1.0	0.7	0.0	103.9	1
8	97	-484	-1	1	0	0	-0	138.8	0.6	0.7	0.0	139.4	1
9	97	-72	-1	1	0	-0	0	20.5	0.4	0.7	0.0	20.9	1
10	97	-715	-1	4	0	-0	0	204.8	1.1	2.9	0.0	205.9	1
11	97	-374	-0	2	0	-0	-0	107.2	0.2	1.8	0.0	107.4	1
12	97	-457	-0	2	0	-0	0	131.1	0.4	1.8	0.0	131.4	1
13	97	-145	-0	2	0	-0	0	41.5	1.1	1.8	0.0	42.6	1
14	97	-729	-2	1	0	0	-0	208.7	0.7	1.3	0.0	209.5	1
15	97	-345	-1	1	0	0	-0	98.9	1.2	0.7	0.0	100.1	1
16	97	-467	-1	1	0	0	-0	133.8	0.8	0.7	0.0	134.6	1
17	97	-85	-1	1	0	-0	-0	24.3	0.2	0.7	0.0	24.6	1

ASTA NUM. 25 NI 124 NF 99 Lungh. 97.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0226	-0.2556	--	--	2.3044	1.0262 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-484	1	0	0	0	0	138.7	1.5	0.9	0.0	140.2	6	
1E	0	-386	1	0	0	0	0	110.7	1.5	0.9	0.0	112.1	6	
1I	0	-454	1	0	0	0	0	130.2	1.4	0.9	0.0	131.6	6	
1M	0	-416	1	0	0	0	0	119.2	1.4	0.9	0.0	120.6	6	
2	0	-676	1	3	0	-0	0	193.6	0.7	2.9	0.0	194.3	1	
3	0	-468	1	2	0	-0	0	134.0	0.1	1.8	0.0	134.0	1	
4	0	-324	1	2	0	-0	0	92.8	0.1	1.8	0.0	92.9	1	
5	0	-643	1	2	0	-0	0	184.3	0.3	1.8	0.0	184.7	1	
6	0	-718	1	1	0	0	0	205.8	1.3	1.1	0.0	207.1	6	
7	0	-520	1	1	0	0	0	149.1	1.5	0.7	0.0	150.6	6	
8	0	-347	1	1	0	0	0	99.4	1.2	0.7	0.0	100.6	6	
9	0	-745	1	1	0	0	0	213.5	0.8	0.7	0.0	214.3	6	
10	0	-689	1	3	0	-0	0	197.4	0.8	2.9	0.0	198.2	1	
11	0	-473	1	2	0	-0	0	135.6	0.1	1.8	0.0	135.7	1	
12	0	-329	1	2	0	-0	0	94.3	0.1	1.8	0.0	94.4	1	
13	0	-633	1	2	0	-0	0	181.3	0.4	1.8	0.0	181.7	1	
14	0	-701	1	1	0	0	0	200.8	1.2	1.2	0.0	202.0	6	
15	0	-507	1	1	0	0	0	145.2	1.5	0.7	0.0	146.7	6	
16	0	-331	1	1	0	0	0	94.8	1.3	0.7	0.0	96.1	6	
17	0	-703	1	1	0	0	0	201.5	0.7	0.7	0.0	202.2	6	
1A	49	-484	-0	0	0	0	0	138.5	14.6	0.0	0.0	153.1	6	
1E	49	-385	-0	0	0	0	0	110.5	14.6	0.0	0.0	125.0	6	
1I	49	-454	-0	0	0	0	0	130.0	14.4	0.0	0.0	144.4	6	
1M	49	-415	-0	0	0	0	0	119.0	14.4	0.0	0.0	133.4	6	
2	49	-673	0	-0	0	-1	0	193.0	46.7	0.0	0.0	239.6	1	
3	49	-466	0	-0	0	-1	0	133.6	29.1	0.0	0.0	162.7	1	
4	49	-322	0	-0	0	-1	0	92.4	29.0	0.0	0.0	121.4	1	
5	49	-642	0	-0	0	-1	0	183.9	29.1	0.0	0.0	213.1	1	
6	49	-717	-0	0	0	-0	0	205.4	21.8	0.0	0.0	227.2	6	
7	49	-520	-0	0	0	-0	0	148.9	13.9	0.0	0.0	162.8	6	
8	49	-346	-0	0	0	-0	0	99.2	13.8	0.0	0.0	112.9	6	
9	49	-744	0	0	0	-0	0	213.3	13.7	0.0	0.0	226.9	6	
10	49	-687	0	-0	0	-1	0	196.8	46.8	0.0	0.0	243.6	1	
11	49	-472	0	-0	0	-1	0	135.2	29.1	0.0	0.0	164.3	1	
12	49	-328	0	-0	0	-1	0	93.9	29.0	0.0	0.0	122.9	1	
13	49	-631	0	-0	0	-1	0	180.9	29.2	0.0	0.0	210.1	1	
14	49	-699	-0	0	0	-0	0	200.4	23.0	0.0	0.0	223.4	6	
15	49	-506	-0	0	0	-0	0	145.0	13.8	0.0	0.0	158.8	6	
16	49	-330	-0	0	0	-0	0	94.6	13.8	0.0	0.0	108.3	6	
17	49	-702	-0	0	0	-0	0	201.3	13.6	0.0	0.0	214.9	6	
1A	97	-483	-1	0	0	-0	0	138.3	0.5	0.9	0.0	138.8	1	
1E	97	-385	-1	0	0	-0	0	110.3	0.5	0.9	0.0	110.7	1	
1I	97	-453	-1	0	0	-0	-0	129.8	0.5	0.9	0.0	130.3	1	
1M	97	-415	-1	0	0	-0	-0	118.8	0.5	0.9	0.0	119.3	1	
2	97	-671	-1	-4	0	0	0	192.3	1.7	2.9	0.0	194.1	6	
3	97	-465	-0	-2	0	0	0	133.2	1.2	1.8	0.0	134.4	6	
4	97	-321	-0	-2	0	0	0	92.0	1.4	1.8	0.0	93.4	6	
5	97	-641	-0	-2	0	0	0	183.6	1.3	1.8	0.0	184.8	6	
6	97	-716	-1	-1	0	-0	0	205.0	0.6	1.2	0.0	205.7	6	
7	97	-519	-1	-1	0	-0	0	148.7	0.7	0.7	0.0	149.3	6	
8	97	-345	-1	-1	0	0	0	98.9	0.7	0.7	0.0	99.6	6	
9	97	-744	-1	-1	0	-0	0	213.0	0.6	0.7	0.0	213.7	6	
10	97	-685	-1	-4	0	0	0	196.2	1.5	2.9	0.0	197.7	6	
11	97	-470	-0	-2	0	0	0	134.8	1.1	1.8	0.0	135.9	6	
12	97	-327	-0	-2	0	0	0	93.6	1.4	1.8	0.0	94.9	6	
13	97	-630	-0	-2	0	0	0	180.5	1.1	1.8	0.0	181.6	6	
14	97	-698	-2	-1	0	-0	0	200.0	0.5	1.3	0.0	200.5	1	
15	97	-505	-1	-1	0	-0	0	144.7	0.6	0.7	0.0	145.3	6	
16	97	-329	-1	-1	0	0	0	94.3	0.6	0.7	0.0	95.0	6	
17	97	-702	-1	-1	0	-0	0	201.0	0.6	0.7	0.0	201.6	6	

ASTA NUM. 26 NI 123 NF 124 Lungh. 201.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.9397	-0.2349	--	--	2.3380	1.1634 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-92	2	-0	0	-0	-0	26.4	1.6	2.0	0.0	28.0	1	
1E	0	-16	2	-0	0	-0	-0	4.6	1.6	2.0	0.0	6.2	1	
1I	0	-71	2	-0	0	-0	-0	20.4	1.6	2.0	0.0	22.0	1	
1M	0	-37	2	-0	0	-0	-0	10.7	1.6	2.0	0.0	12.3	1	
2	0	-73	2	-7	0	-0	-0	21.0	3.3	6.1	0.0	24.6	4	
3	0	4	1	-5	0	-0	-0	1.2	2.0	3.8	0.0	6.8	3	
4	0	-93	1	-5	0	-0	-0	26.7	1.9	3.8	0.0	28.6	1	
5	0	190	1	-5	0	-0	-0	54.3	2.0	3.8	0.0	56.3	1	
6	0	-88	3	-2	0	-0	-0	25.3	2.8	2.5	0.0	28.1	1	
7	0	23	2	-1	0	-0	-0	6.5	1.6	1.5	0.0	8.1	1	
8	0	-106	2	-1	0	-0	-0	30.3	1.6	1.5	0.0	31.9	1	
9	0	246	2	-1	0	-0	-0	70.6	1.7	1.5	0.0	72.3	1	
10	0	-104	2	-7	0	-0	-0	29.9	3.5	6.1	0.0	33.4	1	
11	0	-15	1	-5	0	-0	-0	4.3	2.1	3.8	0.0	8.2	4	
12	0	-112	1	-5	0	-0	-0	32.1	2.0	3.8	0.0	34.1	1	
13	0	155	1	-5	0	-0	-0	44.5	2.1	3.8	0.0	46.6	1	
14	0	-89	3	-2	0	-0	-0	25.4	2.8	2.7	0.0	28.3	1	
15	0	23	2	-1	0	-0	-0	6.7	1.6	1.5	0.0	8.3	1	
16	0	-104	2	-1	0	-0	-0	29.9	1.6	1.5	0.0	31.5	1	
17	0	223	2	-1	0	-0	-0	64.0	1.7	1.5	0.0	65.7	1	
1A	101	-91	0	-0	0	-0	1	26.0	60.6	0.0	0.0	86.7	6	
1E	101	-15	0	-0	0	-0	1	4.2	60.6	0.0	0.0	64.8	6	
1I	101	-70	0	-0	0	-0	1	20.0	60.6	0.0	0.0	80.6	6	
1M	101	-36	0	-0	0	-0	1	10.2	60.6	0.0	0.0	70.9	6	
2	101	-69	0	-0	0	4	1	19.8	202.3	0.0	0.0	222.1	1	
3	101	7	0	-0	0	2	1	2.0	126.6	0.0	0.0	128.6	1	
4	101	-90	0	-0	0	2	1	25.9	126.6	0.0	0.0	152.5	1	
5	101	192	0	-0	0	2	1	55.1	126.4	0.0	0.0	181.5	1	
6	101	-86	0	-0	0	1	1	24.5	92.4	0.0	0.0	116.9	6	
7	101	24	0	-0	0	1	1	6.9	57.5	0.0	0.0	64.4	6	
8	101	-104	0	-0	0	1	1	29.8	57.6	0.0	0.0	87.4	6	
9	101	248	0	-0	0	1	1	71.0	57.6	0.0	0.0	128.7	6	
10	101	-100	0	-0	0	4	1	28.6	202.2	0.0	0.0	230.8	1	
11	101	-12	0	-0	0	2	1	3.5	126.5	0.0	0.0	130.0	1	
12	101	-109	0	-0	0	2	1	31.3	126.5	0.0	0.0	157.9	1	
13	101	158	0	-0	0	2	1	45.3	126.3	0.0	0.0	171.6	1	
14	101	-86	0	-0	0	1	2	24.6	98.3	0.0	0.0	123.0	6	
15	101	25	0	-0	0	1	1	7.2	57.5	0.0	0.0	64.7	6	
16	101	-103	0	-0	0	1	1	29.4	57.6	0.0	0.0	87.0	6	
17	101	225	0	-0	0	1	1	64.4	57.6	0.0	0.0	122.0	6	
1A	201	-89	-2	-0	0	-0	0	25.6	0.9	1.9	0.0	26.5	6	
1E	201	-13	-2	-0	0	-0	0	3.8	0.9	1.9	0.0	5.2	4	
1I	201	-68	-2	-0	0	-0	0	19.6	0.8	1.9	0.0	20.4	6	
1M	201	-34	-2	-0	0	-0	0	9.8	0.8	1.9	0.0	10.7	6	
2	201	-65	-2	7	0	-0	0	18.5	2.7	6.1	0.0	22.1	4	
3	201	10	-1	5	0	-0	0	2.8	1.0	3.8	0.0	7.1	3	
4	201	-88	-1	5	0	-0	0	25.1	1.1	3.8	0.0	26.3	4	
5	201	195	-1	5	0	-0	0	55.9	1.5	3.8	0.0	57.4	1	
6	201	-83	-3	2	0	-0	0	23.8	1.7	2.4	0.0	25.5	6	
7	201	26	-2	1	0	0	0	7.4	0.2	1.5	0.0	8.0	4	
8	201	-102	-2	1	0	-0	0	29.3	0.4	1.5	0.0	29.7	6	
9	201	250	-2	1	0	-0	0	71.5	0.7	1.5	0.0	72.3	1	
10	201	-96	-2	7	0	-0	0	27.4	2.9	6.1	0.0	30.4	4	
11	201	-10	-1	5	0	-0	0	2.7	1.2	3.8	0.0	7.2	3	
12	201	-107	-1	5	0	-0	0	30.5	1.2	3.8	0.0	31.7	1	
13	201	161	-1	5	0	-0	0	46.1	1.6	3.8	0.0	47.7	1	
14	201	-83	-3	2	0	-0	0	23.8	1.6	2.6	0.0	25.5	6	
15	201	27	-2	1	0	0	0	7.7	0.2	1.5	0.0	8.3	4	
16	201	-101	-2	1	0	-0	0	28.9	0.3	1.5	0.0	29.2	6	
17	201	226	-2	1	0	-0	0	64.9	0.7	1.5	0.0	65.6	1	

ASTA NUM. 27 NI 122 NF 125 Lungh. 201.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.

		--	--	--	--	-0.9397	-0.2349	--	--	2.3380	1.1634 daN/m		

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dan/cmq					
1A	0	-72	2	0	0	0	-0	20.5	1.7	2.0	0.0	22.2	1	
1E	0	5	2	0	0	0	-0	1.3	1.7	2.0	0.0	3.9	5	
1I	0	-50	2	0	0	0	-0	14.4	1.6	2.0	0.0	16.1	1	
1M	0	-16	2	0	0	0	-0	4.7	1.6	2.0	0.0	6.4	1	
2	0	-102	2	7	0	0	-0	29.3	3.3	6.1	0.0	32.6	1	
3	0	-112	1	5	0	0	-0	31.9	2.1	3.8	0.0	34.1	1	
4	0	-12	1	5	0	0	-0	3.3	2.0	3.8	0.0	7.6	4	
5	0	-294	1	5	0	0	-0	84.2	1.9	3.8	0.0	86.1	1	
6	0	-60	3	2	0	0	-0	17.2	2.8	2.5	0.0	20.0	1	
7	0	-112	2	1	0	0	-0	32.0	1.8	1.5	0.0	33.8	1	
8	0	18	2	1	0	0	-0	5.2	1.7	1.5	0.0	6.9	1	
9	0	-333	2	1	0	0	-0	95.5	1.5	1.5	0.0	97.1	1	
10	0	-77	2	7	0	0	-0	21.9	3.5	6.1	0.0	25.5	4	
11	0	-95	1	5	0	0	-0	27.3	2.2	3.8	0.0	29.5	1	
12	0	4	1	5	0	0	-0	1.2	2.1	3.8	0.0	6.7	3	
13	0	-263	1	5	0	0	-0	75.3	2.0	3.8	0.0	77.3	1	
14	0	-60	3	2	0	0	-0	17.3	2.9	2.7	0.0	20.2	1	
15	0	-111	2	1	0	0	0	31.8	1.6	1.5	0.0	33.4	1	
16	0	19	2	1	0	0	-0	5.4	1.7	1.5	0.0	7.1	1	
17	0	-308	2	1	0	0	-0	88.4	1.5	1.5	0.0	89.9	1	
1A	101	-70	0	0	0	0	1	20.1	60.9	0.0	0.0	81.0	6	
1E	101	6	0	0	0	0	1	1.8	60.9	0.0	0.0	62.7	6	
1I	101	-49	0	0	0	0	1	14.0	60.9	0.0	0.0	74.9	6	
1M	101	-15	0	0	0	0	1	4.3	60.9	0.0	0.0	65.2	6	
2	101	-98	0	-0	0	-4	1	28.0	202.0	0.0	0.0	230.1	1	
3	101	-109	0	-0	0	-2	1	31.2	126.0	0.0	0.0	157.2	1	
4	101	-9	0	-0	0	-2	1	2.5	126.1	0.0	0.0	128.6	1	
5	101	-291	0	-0	0	-2	1	83.4	126.3	0.0	0.0	209.7	1	
6	101	-57	0	0	0	-1	1	16.5	92.5	0.0	0.0	109.0	6	
7	101	-110	0	-0	0	-1	1	31.6	58.0	0.0	0.0	89.6	6	
8	101	20	0	0	0	-1	1	5.7	57.9	0.0	0.0	63.5	6	
9	101	-332	0	0	0	-1	1	95.0	57.8	0.0	0.0	152.9	6	
10	101	-72	0	-0	0	-4	1	20.7	201.9	0.0	0.0	222.7	1	
11	101	-93	0	-0	0	-2	1	26.6	126.0	0.0	0.0	152.6	1	
12	101	7	0	-0	0	-2	1	2.0	126.0	0.0	0.0	128.0	1	
13	101	-260	0	-0	0	-2	1	74.5	126.3	0.0	0.0	200.8	1	
14	101	-58	0	0	0	-1	2	16.5	98.5	0.0	0.0	115.0	6	
15	101	-109	0	-0	0	-1	1	31.3	58.0	0.0	0.0	89.3	6	
16	101	20	0	-0	0	-1	1	5.8	57.9	0.0	0.0	63.7	6	
17	101	-307	0	0	0	-1	1	87.9	57.8	0.0	0.0	145.7	6	
1A	201	-69	-2	0	0	0	0	19.7	1.3	1.9	0.0	20.9	6	
1E	201	8	-2	0	0	0	0	2.2	1.3	1.9	0.0	4.1	5	
1I	201	-48	-2	0	0	0	0	13.6	1.3	1.9	0.0	14.9	6	
1M	201	-14	-2	0	0	0	0	3.9	1.3	1.9	0.0	5.4	4	
2	201	-94	-2	-7	0	0	0	26.8	3.6	6.1	0.0	30.4	1	
3	201	-106	-1	-5	0	0	0	30.4	2.8	3.8	0.0	33.2	1	
4	201	-6	-1	-5	0	0	0	1.8	2.6	3.8	0.0	7.0	4	
5	201	-288	-1	-5	0	0	0	82.6	2.2	3.8	0.0	84.8	1	
6	201	-55	-3	-2	0	0	0	15.7	2.4	2.4	0.0	18.1	6	
7	201	-109	-2	-1	0	0	0	31.1	2.2	1.5	0.0	33.4	1	
8	201	21	-2	-1	0	0	0	6.1	1.9	1.5	0.0	8.0	1	
9	201	-330	-2	-1	0	0	0	94.6	1.5	1.5	0.0	96.1	6	
10	201	-68	-2	-7	0	0	0	19.5	3.7	6.1	0.0	23.4	4	
11	201	-90	-1	-5	0	0	0	25.8	2.8	3.8	0.0	28.6	1	
12	201	10	-1	-5	0	0	0	2.8	2.8	3.8	0.0	7.5	4	
13	201	-257	-1	-5	0	0	0	73.7	2.3	3.8	0.0	76.0	1	
14	201	-55	-3	-2	0	0	0	15.8	2.3	2.6	0.0	18.1	6	
15	201	-108	-2	-1	0	0	0	30.9	2.3	1.5	0.0	33.1	1	
16	201	22	-2	-1	0	0	0	6.3	2.0	1.5	0.0	8.3	1	
17	201	-305	-2	-1	0	0	0	87.4	1.5	1.5	0.0	88.9	6	

ASTA NUM. 28 NI 121 NF 122 Lungh. 218.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.8269	-0.2067	--	--	2.3844	1.3508 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dan/cmq					
1A	0	-8	3	-0	0	-0	-0	2.2	1.2	2.2	0.0	4.5	5	
1E	0	45	3	-0	0	-0	-0	13.0	1.2	2.2	0.0	14.1	6	
1I	0	6	3	-0	0	-0	-0	1.8	1.2	2.2	0.0	4.3	5	
1M	0	32	3	-0	0	-0	-0	9.0	1.2	2.2	0.0	10.2	6	
2	0	70	2	-8	0	-0	-0	20.1	3.0	6.7	0.0	24.2	4	
3	0	86	1	-5	0	-0	-0	24.5	1.9	4.2	0.0	26.4	6	
4	0	-1	1	-5	0	-0	-0	0.3	1.8	4.2	0.0	7.3	3	
5	0	244	1	-5	0	-0	-0	70.0	1.8	4.2	0.0	71.8	6	
6	0	36	3	-2	0	-0	-0	10.2	2.1	2.8	0.0	12.4	6	
7	0	87	2	-1	0	-0	-0	25.0	1.3	1.7	0.0	26.3	6	
8	0	-26	2	-1	0	-0	-0	7.4	1.3	1.7	0.0	8.7	6	
9	0	280	2	-1	0	-0	-0	80.3	1.3	1.7	0.0	81.5	6	
10	0	47	2	-8	0	-0	-0	13.6	3.0	6.7	0.0	18.7	4	
11	0	71	1	-5	0	-0	-0	20.4	1.9	4.2	0.0	22.4	4	
12	0	-15	1	-5	0	-0	-0	4.4	1.9	4.2	0.0	8.7	3	
13	0	217	1	-5	0	-0	-0	62.2	1.8	4.2	0.0	64.1	6	
14	0	36	4	-2	0	-0	-0	10.3	2.2	3.0	0.0	12.5	4	
15	0	87	2	-1	0	-0	-0	24.8	1.3	1.7	0.0	26.1	6	
16	0	-26	2	-1	0	-0	-0	7.5	1.3	1.7	0.0	8.7	6	
17	0	259	2	-1	0	-0	-0	74.1	1.3	1.7	0.0	75.3	6	
1A	109	-6	0	-0	0	-0	1	1.8	71.4	0.0	0.0	73.2	6	
1E	109	47	0	-0	0	-0	1	13.4	71.4	0.0	0.0	84.8	6	
1I	109	8	0	-0	0	-0	1	2.2	71.4	0.0	0.0	73.6	6	
1M	109	33	0	-0	0	-0	1	9.5	71.4	0.0	0.0	80.9	6	
2	109	75	0	-0	0	4	1	21.4	244.7	0.0	0.0	266.1	1	
3	109	88	0	-0	0	3	1	25.3	152.9	0.0	0.0	178.2	1	
4	109	2	0	-0	0	3	1	0.5	152.9	0.0	0.0	153.4	1	
5	109	247	0	-0	0	3	1	70.8	152.8	0.0	0.0	223.6	1	
6	109	38	0	-0	0	1	2	11.0	111.1	0.0	0.0	122.1	6	
7	109	89	-0	-0	0	1	1	25.5	69.3	0.0	0.0	94.8	6	
8	109	-24	-0	-0	0	1	1	6.9	69.4	0.0	0.0	76.3	6	
9	109	282	-0	-0	0	1	1	80.7	69.3	0.0	0.0	150.1	6	
10	109	52	0	-0	0	4	1	14.9	244.7	0.0	0.0	259.6	1	
11	109	74	0	-0	0	3	1	21.2	152.9	0.0	0.0	174.1	1	
12	109	-13	0	-0	0	3	1	3.6	152.9	0.0	0.0	156.5	1	
13	109	220	0	-0	0	3	1	63.0	152.8	0.0	0.0	215.8	1	
14	109	39	0	-0	0	1	2	11.1	118.2	0.0	0.0	129.3	6	
15	109	88	-0	-0	0	1	1	25.3	69.3	0.0	0.0	94.6	6	
16	109	-24	-0	-0	0	1	1	7.0	69.4	0.0	0.0	76.3	6	
17	109	260	-0	-0	0	1	1	74.5	69.3	0.0	0.0	143.9	6	
1A	218	-5	-3	-0	0	0	-0	1.3	0.9	2.2	0.0	4.0	5	
1E	218	48	-3	-0	0	0	-0	13.8	0.9	2.2	0.0	14.7	6	
1I	218	9	-3	-0	0	0	-0	2.6	0.9	2.2	0.0	4.7	5	
1M	218	34	-3	-0	0	0	-0	9.9	0.9	2.2	0.0	10.8	4	
2	218	79	-2	8	0	-0	-0	22.7	2.0	6.7	0.0	26.0	3	
3	218	91	-1	5	0	-0	-0	26.1	1.4	4.2	0.0	27.6	3	
4	218	4	-1	5	0	-0	-0	1.2	1.3	4.2	0.0	7.4	3	
5	218	250	-1	5	0	-0	-0	71.6	1.4	4.2	0.0	73.0	6	
6	218	41	-3	2	0	0	-0	11.8	1.4	2.7	0.0	13.3	4	
7	218	91	-2	1	0	0	-0	25.9	1.3	1.7	0.0	27.3	6	
8	218	-22	-2	1	0	0	-0	6.4	1.3	1.7	0.0	7.7	6	
9	218	283	-2	1	0	0	-0	81.2	1.1	1.7	0.0	82.3	6	
10	218	56	-2	8	0	-0	-0	16.2	1.9	6.7	0.0	20.4	3	
11	218	77	-1	5	0	-0	-0	22.0	1.3	4.2	0.0	23.6	3	
12	218	-10	-1	5	0	-0	-0	2.8	1.3	4.2	0.0	7.9	3	
13	218	223	-1	5	0	-0	-0	63.8	1.4	4.2	0.0	65.2	6	
14	218	41	-4	2	0	0	-0	11.9	1.5	3.0	0.0	13.6	4	
15	218	90	-2	1	0	0	-0	25.8	1.4	1.7	0.0	27.1	6	
16	218	-23	-2	1	0	0	-0	6.5	1.3	1.7	0.0	7.8	6	
17	218	262	-2	1	0	0	-0	75.0	1.1	1.7	0.0	76.1	6	

ASTA NUM. 29 NI 120 NF 123 Lungh. 218.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.8269	-0.2067	--	--	2.3844	1.3508 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dan/cmq					
1A	0	11	3	0	0	0	-0	3.0	1.2	2.2	0.0	5.0	5	
1E	0	63	3	0	0	0	-0	18.2	1.2	2.2	0.0	19.4	6	
1I	0	24	3	0	0	0	-0	7.0	1.2	2.2	0.0	8.3	4	
1M	0	50	3	0	0	0	-0	14.2	1.2	2.2	0.0	15.4	6	
2	0	45	2	8	0	0	-0	13.0	3.0	6.7	0.0	18.1	4	
3	0	-15	1	5	0	0	-0	4.3	1.8	4.2	0.0	8.7	3	
4	0	70	1	5	0	0	-0	20.0	1.8	4.2	0.0	21.9	4	
5	0	-176	1	5	0	0	-0	50.4	1.8	4.2	0.0	52.2	6	
6	0	60	3	2	0	0	-0	17.3	2.1	2.8	0.0	19.4	6	
7	0	-30	2	1	0	0	-0	8.5	1.3	1.7	0.0	9.7	6	
8	0	82	2	1	0	0	-0	23.5	1.3	1.7	0.0	24.8	6	
9	0	-224	2	1	0	0	-0	64.2	1.3	1.7	0.0	65.4	6	
10	0	72	2	8	0	0	-0	20.6	3.0	6.7	0.0	24.5	4	
11	0	1	1	5	0	0	-0	0.4	1.9	4.2	0.0	7.3	3	
12	0	86	1	5	0	0	-0	24.7	1.8	4.2	0.0	26.5	6	
13	0	-147	1	5	0	0	-0	42.0	1.8	4.2	0.0	43.8	6	
14	0	61	4	2	0	0	-0	17.3	2.2	3.0	0.0	19.5	6	
15	0	-30	2	1	0	0	-0	8.6	1.3	1.7	0.0	9.9	6	
16	0	81	2	1	0	0	-0	23.3	1.3	1.7	0.0	24.5	6	
17	0	-204	2	1	0	0	-0	58.3	1.3	1.7	0.0	59.6	6	

1A	109	12	0	0	0	0	1	3.4	71.6	0.0	0.0	75.0	6
1E	109	65	0	0	0	0	1	18.6	71.6	0.0	0.0	90.2	6
1I	109	26	0	0	0	0	1	7.4	71.6	0.0	0.0	79.0	6
1M	109	51	0	0	0	0	1	14.7	71.6	0.0	0.0	86.2	6
2	109	50	0	0	0	-4	1	14.3	244.6	0.0	0.0	258.8	1
3	109	-12	0	0	0	-3	1	3.5	152.7	0.0	0.0	156.2	1
4	109	73	0	0	0	-3	1	20.8	152.7	0.0	0.0	173.5	1
5	109	-173	0	0	0	-3	1	49.6	152.8	0.0	0.0	202.4	1
6	109	63	0	0	0	-1	2	18.1	111.2	0.0	0.0	129.3	6
7	109	-28	0	0	0	-1	1	8.0	69.6	0.0	0.0	77.6	6
8	109	84	0	0	0	-1	1	24.0	69.5	0.0	0.0	93.6	6
9	109	-222	0	0	0	-1	1	63.7	69.6	0.0	0.0	133.3	6
10	109	76	0	0	0	-4	1	21.9	244.6	0.0	0.0	266.5	1
11	109	4	0	0	0	-3	1	1.2	152.8	0.0	0.0	154.0	1
12	109	89	0	0	0	-3	1	25.5	152.7	0.0	0.0	178.2	1
13	109	-144	0	0	0	-3	1	41.2	152.8	0.0	0.0	194.0	1
14	109	63	0	0	0	-1	2	18.2	118.3	0.0	0.0	136.5	6
15	109	-28	0	0	0	-1	1	8.2	69.6	0.0	0.0	77.7	6
16	109	83	0	0	0	-1	1	23.7	69.5	0.0	0.0	93.3	6
17	109	-202	0	0	0	-1	1	57.9	69.6	0.0	0.0	127.4	6
1A	218	14	-3	0	0	-0	-0	3.9	0.6	2.2	0.0	5.5	5
1E	218	66	-3	0	0	-0	-0	19.0	0.6	2.2	0.0	19.6	6
1I	218	27	-3	0	0	-0	-0	7.8	0.6	2.2	0.0	8.8	4
1M	218	53	-3	0	0	-0	-0	15.1	0.6	2.2	0.0	15.7	6
2	218	54	-2	-8	0	0	-0	15.5	1.7	6.7	0.0	19.8	3
3	218	-9	-1	-5	0	0	-0	2.7	1.1	4.2	0.0	7.8	3
4	218	75	-1	-5	0	0	-0	21.6	1.2	4.2	0.0	23.2	4
5	218	-170	-1	-5	0	0	-0	48.8	1.0	4.2	0.0	49.8	1
6	218	66	-3	-2	0	-0	-0	18.8	0.9	2.7	0.0	19.8	4
7	218	-26	-2	-1	0	0	-0	7.5	0.4	1.7	0.0	8.3	4
8	218	86	-2	-1	0	0	-0	24.5	0.5	1.7	0.0	25.0	1
9	218	-221	-2	-1	0	0	-0	63.2	0.4	1.7	0.0	63.6	6
10	218	81	-2	-8	0	0	-0	23.1	1.7	6.7	0.0	26.3	3
11	218	7	-1	-5	0	0	-0	2.0	1.0	4.2	0.0	7.6	3
12	218	92	-1	-5	0	0	-0	26.3	1.2	4.2	0.0	27.7	4
13	218	-141	-1	-5	0	0	-0	40.4	1.0	4.2	0.0	41.4	4
14	218	66	-4	-2	0	-0	-0	19.0	1.0	3.0	0.0	20.0	4
15	218	-27	-2	-1	0	0	-0	7.7	0.4	1.7	0.0	8.5	4
16	218	85	-2	-1	0	0	-0	24.2	0.5	1.7	0.0	24.7	1
17	218	-200	-2	-1	0	0	-0	57.4	0.4	1.7	0.0	57.8	6

ASTA NUM. 30 NI 119 NF 120 Lungh. 239.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7829	-0.1957	--	--	2.4026	1.4240 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-49	3	-0	0	-0	-0	14.0	1.5	2.4	0.0	15.5	6	
1E	0	-18	3	-0	0	-0	-0	5.1	1.5	2.4	0.0	6.9	4	
1I	0	-42	3	-0	0	-0	-0	12.1	1.5	2.4	0.0	13.7	6	
1M	0	-24	3	-0	0	-0	-0	7.0	1.5	2.4	0.0	8.6	4	
2	0	-46	3	-9	0	-0	-0	13.3	5.0	7.4	0.0	19.8	4	
3	0	9	2	-6	0	-0	-0	2.7	3.1	4.6	0.0	8.7	4	
4	0	-67	2	-6	0	-0	-0	19.1	3.0	4.6	0.0	22.1	1	
5	0	153	2	-6	0	-0	-0	43.7	3.0	4.6	0.0	46.7	1	
6	0	-54	4	-2	0	-0	-0	15.6	3.0	3.1	0.0	18.6	1	
7	0	26	2	-1	0	-0	-0	7.3	1.9	1.9	0.0	9.2	1	
8	0	-74	2	-1	0	-0	-0	21.3	1.8	1.9	0.0	23.1	1	
9	0	199	2	-1	0	-0	-0	56.9	1.8	1.9	0.0	58.8	1	
10	0	-70	3	-9	0	-0	-0	19.9	5.1	7.4	0.0	25.3	4	
11	0	-5	2	-6	0	-0	-0	1.4	3.1	4.6	0.0	8.3	4	
12	0	-81	2	-6	0	-0	-0	23.2	3.1	4.6	0.0	26.3	1	
13	0	127	2	-6	0	-0	-0	36.2	3.1	4.6	0.0	39.4	1	
14	0	-55	4	-2	0	-0	-0	15.9	3.1	3.3	0.0	19.0	1	
15	0	26	2	-1	0	-0	-0	7.4	1.8	1.9	0.0	9.3	1	
16	0	-74	2	-1	0	-0	-0	21.1	1.8	1.9	0.0	22.9	1	
17	0	180	2	-1	0	-0	-0	51.7	1.8	1.9	0.0	53.5	1	
1A	120	-47	0	-0	0	-0	2	13.6	86.9	0.0	0.0	100.5	6	
1E	120	-16	0	-0	0	-0	2	4.6	86.9	0.0	0.0	91.5	6	
1I	120	-41	0	-0	0	-0	2	11.7	86.8	0.0	0.0	98.5	6	
1M	120	-23	0	-0	0	-0	2	6.5	86.8	0.0	0.0	93.4	6	
2	120	-42	0	-0	0	5	2	11.9	295.7	0.0	0.0	307.6	1	
3	120	12	-0	-0	0	3	1	3.5	184.8	0.0	0.0	188.3	1	
4	120	-64	-0	-0	0	3	1	18.2	184.8	0.0	0.0	203.0	1	
5	120	155	-0	-0	0	3	1	44.5	184.7	0.0	0.0	229.3	1	
6	120	-52	0	-0	0	1	2	14.8	135.4	0.0	0.0	150.1	6	
7	120	27	0	-0	0	1	1	7.8	84.5	0.0	0.0	92.4	6	
8	120	-72	0	-0	0	1	1	20.7	84.6	0.0	0.0	105.3	6	
9	120	201	0	-0	0	1	1	57.4	84.5	0.0	0.0	142.0	6	
10	120	-65	0	-0	0	5	2	18.6	295.6	0.0	0.0	314.2	1	
11	120	-2	-0	-0	0	3	1	0.6	184.7	0.0	0.0	185.3	1	
12	120	-78	-0	-0	0	3	1	22.3	184.8	0.0	0.0	207.1	1	
13	120	130	-0	-0	0	3	1	37.1	184.7	0.0	0.0	221.8	1	
14	120	-52	0	-0	0	1	2	15.0	144.0	0.0	0.0	159.0	6	
15	120	28	0	-0	0	1	1	7.9	84.5	0.0	0.0	92.5	6	
16	120	-72	0	-0	0	1	1	20.6	84.6	0.0	0.0	105.1	6	
17	120	182	0	-0	0	1	1	52.2	84.5	0.0	0.0	136.7	6	
1A	239	-46	-3	-0	0	0	0	13.1	0.1	2.4	0.0	13.8	5	
1E	239	-15	-3	-0	0	0	0	4.2	0.1	2.4	0.0	5.9	5	
1I	239	-39	-3	-0	0	0	0	11.2	0.1	2.4	0.0	12.0	5	
1M	239	-21	-3	-0	0	0	0	6.1	0.1	2.4	0.0	7.4	5	
2	239	-37	-3	9	0	-0	-0	10.6	2.1	7.3	0.0	16.9	4	
3	239	15	-2	6	0	-0	-0	4.4	1.4	4.6	0.0	9.3	3	
4	239	-61	-2	6	0	-0	-0	17.4	1.4	4.6	0.0	19.6	4	
5	239	158	-2	6	0	-0	-0	45.4	1.5	4.6	0.0	46.9	6	
6	239	-49	-4	2	0	-0	-0	14.0	0.8	3.0	0.0	15.4	4	
7	239	29	-2	1	0	0	-0	8.4	0.7	1.9	0.0	9.3	4	
8	239	-71	-2	1	0	0	-0	20.2	0.7	1.9	0.0	20.9	6	
9	239	202	-2	1	0	-0	-0	58.0	0.8	1.9	0.0	58.7	6	
10	239	-60	-3	9	0	-0	-0	17.2	2.0	7.3	0.0	22.0	4	
11	239	1	-2	6	0	-0	-0	0.3	1.3	4.6	0.0	8.0	3	
12	239	-75	-2	6	0	-0	-0	21.5	1.3	4.6	0.0	23.3	4	
13	239	133	-2	6	0	-0	-0	38.0	1.4	4.6	0.0	39.4	6	
14	239	-49	-4	2	0	-0	-0	14.2	1.0	3.3	0.0	15.7	4	
15	239	30	-2	1	0	-0	-0	8.5	0.7	1.9	0.0	9.4	4	
16	239	-70	-2	1	0	0	-0	20.1	0.7	1.9	0.0	20.8	6	
17	239	184	-2	1	0	-0	-0	52.7	0.8	1.9	0.0	53.5	6	

ASTA NUM. 31 NI 118 NF 121 Lungh. 239.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7829	-0.1957	--	--	2.4026	1.4240 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-33	3	0	0	0	-0	9.4	1.5	2.4	0.0	10.9	6	
1E	0	-2	3	0	0	0	-0	0.4	1.5	2.4	0.0	4.2	5	
1I	0	-26	3	0	0	0	-0	7.5	1.6	2.4	0.0	9.1	6	
1M	0	-8	3	0	0	0	-0	2.3	1.6	2.4	0.0	5.0	5	
2	0	-69	3	9	0	0	-0	19.7	4.9	7.4	0.0	25.0	4	
3	0	-80	2	6	0	0	-0	23.0	3.0	4.6	0.0	26.0	1	
4	0	-3	2	6	0	0	-0	0.9	2.9	4.6	0.0	8.1	3	
5	0	-222	2	6	0	0	-0	63.7	2.9	4.6	0.0	66.6	1	
6	0	-32	4	2	0	0	-0	9.3	3.0	3.1	0.0	12.3	1	
7	0	-78	2	1	0	0	-0	22.5	1.8	1.9	0.0	24.3	1	
8	0	22	2	1	0	0	-0	6.3	1.7	1.9	0.0	8.0	1	
9	0	-251	2	1	0	0	-0	71.8	1.7	1.9	0.0	73.6	1	
10	0	-48	3	9	0	0	-0	13.7	5.0	7.4	0.0	20.1	4	
11	0	-67	2	6	0	0	-0	19.3	3.1	4.6	0.0	22.3	1	
12	0	10	2	6	0	0	-0	2.8	3.0	4.6	0.0	8.7	4	
13	0	-198	2	6	0	0	-0	56.6	3.0	4.6	0.0	59.6	1	
14	0	-33	4	2	0	0	-0	9.6	3.0	3.3	0.0	12.6	1	
15	0	-78	2	1	0	0	-0	22.4	1.7	1.9	0.0	24.1	1	
16	0	22	2	1	0	0	-0	6.3	1.7	1.9	0.0	8.0	1	
17	0	-232	2	1	0	0	-0	66.4	1.7	1.9	0.0	68.1	1	
1A	120	-31	0	0	0	0	2	8.9	87.0	0.0	0.0	96.0	6	
1E	120	0	0	0	0	0	2	0.0	87.0	0.0	0.0	87.0	6	
1I	120	-25	0	0	0	0	2	7.1	87.0	0.0	0.0	94.0	6	
1M	120	-7	0	0	0	0	2	1.9	87.0	0.0	0.0	88.8	6	
2	120	-64	0	0	0	-5	2	18.3	295.6	0.0	0.0	313.9	1	
3	120	-77	0	0	0	-3	1	22.2	184.6	0.0	0.0	206.8	1	
4	120	-0	0	0	0	-3	1	0.1	184.6	0.0	0.0	184.7	1	
5	120	-219	0	0	0	-3	1	62.8	184.7	0.0	0.0	247.5	1	
6	120	-30	0	0	0	-1	2	8.5	135.4	0.0	0.0	143.9	6	
7	120	-77	0	0	0	-1	1	22.0	84.7	0.0	0.0	106.7	6	
8	120	24	0	0	0	-1	1	6.8	84.7	0.0	0.0	91.5	6	
9	120	-249	0	0	0	-1	1	71.3	84.7	0.0	0.0	156.0	6	
10	120	-43	0	0	0	-5	2	12.4	295.5	0.0	0.0	307.9	1	
11	120	-64	0	0	0	-3	1	18.4	184.6	0.0	0.0	203.0	1	
12	120	13	0	0	0	-3	1	3.6	184.6	0.0	0.0	188.2	1	
13	120	-195	0	0	0	-3	1	55.8	184.7	0.0	0.0	240.4	1	
14	120	-30	0	0	0	-1	2	8.7	144.1	0.0	0.0	152.8	6	
15	120	-76	0	0	0	-1	1	21.9	84.7	0.0	0.0	106.6	6	
16	120	24	0	0	0	-1	1	6.8	84.7	0.0	0.0	91.5	6	
17	120	-230	0	0	0	-1	1	65.9	84.7	0.0	0.0	150.6	6	
1A	239	-30	-3	0	0	0	0	8.5	0.2	2.4	0.0	9.5	5	
1E	239	2	-3	0	0	0	0	0.5	0.2	2.4	0.0	4.2	5	
1I	239	-23	-3	0	0	0	0	6.6	0.2	2.4	0.0	7.9	5	
1M	239	-5	-3	0	0	0	0	1.4	0.2	2.4	0.0	4.4	5	
2	239	-59	-3	-9	0	0	-0	16.9	2.3	7.3	0.0	21.8	4	
3	239	-74	-2	-6	0	0	-0	21.3	1.5	4.6	0.0	23.3	4	

4	239	3	-2	-6	0	0	-0	0.8	1.6	4.6	0.0	8.0	3
5	239	-216	-2	-6	0	0	-0	61.9	1.5	4.6	0.0	63.4	1
6	239	-27	-4	-2	0	0	-0	7.7	0.7	3.0	0.0	9.9	4
7	239	-75	-2	-1	0	0	-0	21.5	0.6	1.9	0.0	22.1	1
8	239	26	-2	-1	0	0	-0	7.3	0.7	1.9	0.0	8.4	4
9	239	-247	-2	-1	0	0	-0	70.8	0.5	1.9	0.0	71.4	1
10	239	-38	-3	-9	0	0	-0	11.0	2.2	7.3	0.0	17.2	4
11	239	-61	-2	-6	0	0	-0	17.6	1.5	4.6	0.0	19.8	4
12	239	16	-2	-6	0	0	-0	4.5	1.6	4.6	0.0	9.3	4
13	239	-192	-2	-6	0	0	-0	54.9	1.5	4.6	0.0	56.4	1
14	239	-27	-4	-2	0	0	-0	7.9	0.9	3.3	0.0	10.3	4
15	239	-75	-2	-1	0	0	-0	21.4	0.6	1.9	0.0	22.0	1
16	239	26	-2	-1	0	0	-0	7.3	0.7	1.9	0.0	8.5	4
17	239	-228	-2	-1	0	0	-0	65.4	0.6	1.9	0.0	65.9	1

ASTA NUM. 32 NI 117 NF 119 Lungh. 125.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7746	-0.1936	--	--	2.4061	1.4378 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	9	2	0	0	0	-0	2.5	2.3	1.3	0.0	4.9	6	
1E	0	26	2	0	0	0	-0	7.3	2.3	1.3	0.0	9.7	6	
1I	0	11	2	0	0	0	-0	3.1	2.3	1.3	0.0	5.4	6	
1M	0	24	2	0	0	0	-0	6.8	2.3	1.3	0.0	9.1	6	
2	0	20	1	5	0	0	-0	5.8	3.5	3.9	0.0	9.7	3	
3	0	-22	1	3	0	0	-0	6.4	2.1	2.4	0.0	8.4	6	
4	0	46	1	3	0	0	-0	13.2	2.0	2.4	0.0	15.2	6	
5	0	-151	1	3	0	0	-0	43.2	1.9	2.4	0.0	45.1	6	
6	0	28	2	1	0	0	-0	8.1	3.8	1.7	0.0	11.9	6	
7	0	-36	1	1	0	0	-0	10.4	2.2	1.0	0.0	12.6	6	
8	0	53	1	1	0	0	-0	15.2	2.2	1.0	0.0	17.4	6	
9	0	-192	1	1	0	0	-0	55.0	2.0	1.0	0.0	57.0	6	
10	0	40	1	5	0	0	-0	11.6	3.7	3.9	0.0	15.3	6	
11	0	-10	1	3	0	0	-0	2.8	2.2	2.4	0.0	5.5	3	
12	0	58	1	3	0	0	-0	16.7	2.1	2.4	0.0	18.9	6	
13	0	-128	1	3	0	0	-0	36.6	2.0	2.4	0.0	38.6	6	
14	0	29	2	1	0	0	-0	8.4	3.7	1.8	0.0	12.1	6	
15	0	-36	1	1	0	0	-0	10.4	2.1	1.0	0.0	12.5	6	
16	0	53	1	1	0	0	-0	15.1	2.1	1.0	0.0	17.2	6	
17	0	-175	1	1	0	0	-0	50.1	1.9	1.0	0.0	52.1	6	
1A	63	10	0	0	0	-0	0	2.8	23.5	0.0	0.0	26.2	6	
1E	63	26	0	0	0	-0	0	7.6	23.5	0.0	0.0	31.0	6	
1I	63	12	0	0	0	-0	0	3.4	23.5	0.0	0.0	26.9	6	
1M	63	24	0	0	0	-0	0	7.0	23.5	0.0	0.0	30.5	6	
2	63	23	0	0	0	-1	0	6.5	82.5	0.0	0.0	89.0	1	
3	63	-21	0	0	0	-1	0	5.9	51.5	0.0	0.0	57.4	1	
4	63	48	0	0	0	-1	0	13.6	51.5	0.0	0.0	65.1	1	
5	63	-149	0	0	0	-1	0	42.7	51.6	0.0	0.0	94.3	1	
6	63	30	0	0	0	-0	1	8.6	36.8	0.1	0.0	45.4	6	
7	63	-35	0	0	0	-0	0	10.2	23.1	0.0	0.0	33.3	6	
8	63	54	0	0	0	-0	0	15.5	23.1	0.0	0.0	38.5	6	
9	63	-191	0	0	0	-0	0	54.7	23.2	0.0	0.0	77.9	6	
10	63	43	0	0	0	-1	0	12.3	82.5	0.1	0.0	94.8	1	
11	63	-8	0	0	0	-1	0	2.3	51.5	0.0	0.0	53.8	1	
12	63	60	0	0	0	-1	0	17.2	51.5	0.0	0.0	68.6	1	
13	63	-126	0	0	0	-1	0	36.1	51.6	0.0	0.0	87.7	1	
14	63	31	0	0	0	-0	1	8.8	39.2	0.1	0.0	48.0	6	
15	63	-36	0	0	0	-0	0	10.2	23.1	0.0	0.0	33.3	6	
16	63	54	0	0	0	-0	0	15.4	23.1	0.0	0.0	38.4	6	
17	63	-174	0	0	0	-0	0	49.9	23.2	0.0	0.0	73.1	6	
1A	125	11	-1	0	0	-0	0	3.0	1.1	1.2	0.0	4.1	6	
1E	125	27	-1	0	0	-0	0	7.8	1.1	1.2	0.0	8.9	6	
1I	125	13	-1	0	0	-0	0	3.6	1.2	1.2	0.0	4.8	6	
1M	125	25	-1	0	0	-0	0	7.2	1.2	1.2	0.0	8.4	6	
2	125	25	-1	-5	0	-0	-0	7.2	2.6	3.8	0.0	10.4	4	
3	125	-19	-1	-3	0	-0	-0	5.5	1.4	2.4	0.0	7.2	4	
4	125	49	-1	-3	0	-0	-0	14.1	1.3	2.4	0.0	15.4	1	
5	125	-148	-1	-3	0	-0	-0	42.3	1.4	2.4	0.0	43.7	1	
6	125	31	-2	-1	0	-0	0	9.0	2.3	1.5	0.0	11.3	1	
7	125	-35	-1	-1	0	-0	0	9.9	1.2	1.0	0.0	11.1	1	
8	125	55	-1	-1	0	-0	0	15.8	1.1	1.0	0.0	16.9	1	
9	125	-190	-1	-1	0	-0	0	54.4	1.3	1.0	0.0	55.7	1	
10	125	45	-1	-5	0	-0	-0	13.0	2.8	3.8	0.0	15.7	1	
11	125	-7	-1	-3	0	-0	-0	1.9	1.5	2.4	0.0	4.7	4	
12	125	61	-1	-3	0	-0	-0	17.6	1.5	2.4	0.0	19.1	1	
13	125	-125	-1	-3	0	-0	-0	35.7	1.5	2.4	0.0	37.2	1	
14	125	32	-2	-1	0	-0	0	9.3	2.2	1.7	0.0	11.5	1	
15	125	-35	-1	-1	0	-0	0	9.9	1.2	1.0	0.0	11.1	1	
16	125	55	-1	-1	0	-0	0	15.6	1.1	1.0	0.0	16.7	1	
17	125	-173	-1	-1	0	-0	0	49.6	1.2	1.0	0.0	50.8	1	

ASTA NUM. 33 NI 117 NF 118 Lungh. 125.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7746	-0.1936	--	--	2.4061	1.4378 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-4	2	-0	0	-0	-0	1.3	2.3	1.3	0.0	3.6	6	
1E	0	12	2	-0	0	-0	-0	3.6	2.3	1.3	0.0	5.9	6	
1I	0	-2	2	-0	0	-0	-0	0.7	2.4	1.3	0.0	3.0	6	
1M	0	10	2	-0	0	-0	-0	3.0	2.4	1.3	0.0	5.3	6	
2	0	42	1	-5	0	-0	-0	12.1	3.6	3.9	0.0	15.7	6	
3	0	61	1	-3	0	-0	-0	17.5	2.2	2.4	0.0	19.7	6	
4	0	-7	1	-3	0	-0	-0	2.1	2.1	2.4	0.0	5.1	3	
5	0	189	1	-3	0	-0	-0	54.3	2.2	2.4	0.0	56.5	6	
6	0	10	2	-1	0	-0	-0	3.0	3.8	1.7	0.0	6.8	6	
7	0	60	1	-1	0	-0	-0	17.3	2.4	1.0	0.0	19.7	6	
8	0	-29	1	-1	0	-0	-0	8.4	2.2	1.0	0.0	10.6	6	
9	0	216	1	-1	0	-0	-0	61.8	2.4	1.0	0.0	64.2	6	
10	0	23	1	-5	0	-0	-0	6.5	3.8	3.9	0.0	10.3	3	
11	0	49	1	-3	0	-0	-0	14.0	2.3	2.4	0.0	16.3	6	
12	0	-19	1	-3	0	-0	-0	5.6	2.2	2.4	0.0	7.7	6	
13	0	167	1	-3	0	-0	-0	47.7	2.3	2.4	0.0	50.0	6	
14	0	11	2	-1	0	-0	-0	3.2	3.8	1.8	0.0	7.0	6	
15	0	60	1	-1	0	-0	-0	17.3	2.3	1.0	0.0	19.6	6	
16	0	-29	1	-1	0	-0	-0	8.3	2.1	1.0	0.0	10.4	6	
17	0	199	1	-1	0	-0	-0	57.0	2.3	1.0	0.0	59.3	6	
1A	63	-4	0	-0	0	0	0	1.0	23.5	0.0	0.0	24.5	6	
1E	63	13	0	-0	0	0	0	3.8	23.5	0.0	0.0	27.3	6	
1I	63	-2	0	-0	0	0	0	0.4	23.5	0.0	0.0	23.9	6	
1M	63	11	0	-0	0	0	0	3.2	23.5	0.0	0.0	26.7	6	
2	63	45	0	-0	0	1	0	12.8	82.5	0.0	0.0	95.3	1	
3	63	63	0	-0	0	1	0	17.9	51.5	0.0	0.0	69.4	1	
4	63	-6	0	-0	0	1	0	1.6	51.6	0.0	0.0	53.2	1	
5	63	191	0	-0	0	1	0	54.7	51.5	0.0	0.0	106.2	1	
6	63	12	0	-0	0	0	1	3.4	36.8	0.1	0.0	40.2	6	
7	63	61	0	-0	0	0	0	17.6	22.9	0.0	0.0	40.5	6	
8	63	-28	0	-0	0	0	0	8.1	23.0	0.0	0.0	31.1	6	
9	63	217	0	-0	0	0	0	62.1	22.8	0.0	0.0	84.9	6	
10	63	25	0	-0	0	1	0	7.2	82.5	0.1	0.0	89.7	1	
11	63	50	0	-0	0	1	0	14.4	51.5	0.0	0.0	65.9	1	
12	63	-18	0	-0	0	1	0	5.1	51.6	0.0	0.0	56.7	1	
13	63	168	0	-0	0	1	0	48.2	51.5	0.0	0.0	99.7	1	
14	63	13	0	-0	0	0	1	3.7	39.2	0.1	0.0	42.8	6	
15	63	61	0	-0	0	0	0	17.6	22.9	0.0	0.0	40.5	6	
16	63	-28	0	-0	0	0	0	8.0	23.0	0.0	0.0	31.0	6	
17	63	200	0	-0	0	0	0	57.2	22.8	0.0	0.0	80.1	6	
1A	125	-3	-1	-0	0	0	0	0.8	1.4	1.2	0.0	2.4	5	
1E	125	14	-1	-0	0	0	0	4.0	1.4	1.2	0.0	5.4	1	
1I	125	-1	-1	-0	0	0	0	0.2	1.4	1.2	0.0	2.2	5	
1M	125	12	-1	-0	0	0	0	3.4	1.4	1.2	0.0	4.8	1	
2	125	47	-1	5	0	0	-0	13.5	2.8	3.8	0.0	16.4	1	
3	125	64	-1	3	0	0	-0	18.4	1.8	2.4	0.0	20.2	1	
4	125	-4	-1	3	0	0	-0	1.2	1.8	2.4	0.0	4.5	4	
5	125	193	-1	3	0	0	-0	55.2	1.8	2.4	0.0	56.9	1	
6	125	13	-2	1	0	0	0	3.8	2.4	1.5	0.0	6.2	1	
7	125	62	-1	1	0	0	0	17.8	1.5	1.0	0.0	19.3	1	
8	125	-27	-1	1	0	0	0	7.9	1.5	1.0	0.0	9.3	1	
9	125	218	-1	1	0	0	0	62.3	1.3	1.0	0.0	63.7	1	
10	125	28	-1	5	0	0	-0	7.9	3.0	3.8	0.0	11.1	4	
11	125	52	-1	3	0	0	-0	14.9	1.9	2.4	0.0	16.7	1	
12	125	-16	-1	3	0	0	-0	4.7	1.9	2.4	0.0	6.7	4	
13	125	170	-1	3	0	0	-0	48.7	1.8	2.4	0.0	50.5	1	
14	125	14	-2	1	0	0	0	4.1	2.3	1.7	0.0	6.4	1	
15	125	62	-1	1	0	0	0	17.8	1.4	1.0	0.0	19.2	1	
16	125	-27	-1	1	0	0	0	7.8	1.4	1.0	0.0	9.2	1	
17	125	201	-1	1	0	0	0	57.5	1.3	1.0	0.0	58.8	1	

ASTA NUM. 34 NI 116 NF 112 Lungh. 151.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-328	2	0	0	0	0	93.9	1.7	1.7	0.0	95.6	1	
1E	0	-323	2	0	0	0	0	92.4	1.7	1.7	0.0	94.1	1	

1I	0	-334	2	0	0	0	0	95.6	1.6	1.7	0.0	97.3	1
1M	0	-317	2	0	0	0	0	90.7	1.6	1.7	0.0	92.3	1
2	0	-490	3	-6	0	0	0	140.3	1.3	5.1	0.0	141.6	1
3	0	-277	2	-4	0	0	0	79.3	0.7	3.2	0.0	80.1	1
4	0	-268	2	-4	0	0	0	76.7	0.7	3.2	0.0	77.4	1
5	0	-283	2	-4	0	0	0	81.0	0.8	3.2	0.0	81.8	1
6	0	-543	3	-2	0	0	0	155.6	2.3	2.4	0.0	157.9	1
7	0	-298	2	-1	0	0	0	85.4	1.3	1.5	0.0	86.7	1
8	0	-297	2	-1	0	0	0	85.2	1.3	1.5	0.0	86.5	1
9	0	-319	2	-1	0	0	0	91.4	1.4	1.5	0.0	92.9	1
10	0	-560	3	-6	0	0	0	160.3	1.5	5.1	0.0	161.8	1
11	0	-318	2	-4	0	0	0	91.1	0.9	3.2	0.0	91.9	1
12	0	-314	2	-4	0	0	0	89.9	0.8	3.2	0.0	90.8	1
13	0	-320	2	-4	0	0	0	91.8	0.9	3.2	0.0	92.7	1
14	0	-556	3	-2	0	0	0	159.2	2.3	2.6	0.0	161.5	1
15	0	-304	2	-1	0	0	0	87.1	1.4	1.5	0.0	88.5	1
16	0	-310	2	-1	0	0	0	88.9	1.3	1.5	0.0	90.2	1
17	0	-317	2	-1	0	0	0	90.8	1.4	1.5	0.0	92.2	1
1A	76	-328	-0	0	0	0	1	93.9	40.4	0.0	0.0	134.3	6
1E	76	-323	-0	0	0	0	1	92.4	40.4	0.0	0.0	132.8	6
1I	76	-334	-0	0	0	0	1	95.6	40.4	0.0	0.0	136.0	6
1M	76	-317	-0	0	0	0	1	90.7	40.4	0.0	0.0	131.1	6
2	76	-490	-0	0	0	2	1	140.3	141.0	0.0	0.0	281.4	1
3	76	-277	0	0	0	1	1	79.3	88.0	0.0	0.0	167.3	1
4	76	-268	-0	0	0	1	1	76.7	88.0	0.0	0.0	164.7	1
5	76	-283	0	0	0	1	1	81.0	88.0	0.0	0.0	169.0	1
6	76	-543	0	0	0	1	1	155.6	67.9	0.0	0.0	223.5	6
7	76	-298	0	0	0	0	1	85.4	42.4	0.0	0.0	127.8	6
8	76	-297	-0	0	0	0	1	85.2	42.4	0.0	0.0	127.5	6
9	76	-319	0	0	0	0	1	91.4	42.4	0.0	0.0	133.8	6
10	76	-560	0	0	0	2	1	160.3	141.2	0.0	0.0	301.5	1
11	76	-318	0	0	0	1	1	91.1	88.1	0.0	0.0	179.2	1
12	76	-314	-0	0	0	1	1	89.9	88.1	0.0	0.0	178.0	1
13	76	-320	0	0	0	1	1	91.8	88.1	0.0	0.0	179.9	1
14	76	-556	0	0	0	1	1	159.2	71.8	0.0	0.0	231.0	6
15	76	-304	0	0	0	0	1	87.1	42.4	0.0	0.0	129.5	6
16	76	-310	-0	0	0	0	1	88.9	42.3	0.0	0.0	131.2	6
17	76	-317	0	0	0	0	1	90.8	42.3	0.0	0.0	133.1	6
1A	152	-328	-2	0	0	0	-0	93.9	1.4	1.7	0.0	95.3	1
1E	152	-323	-2	0	0	0	-0	92.4	1.4	1.7	0.0	93.9	1
1I	152	-334	-2	0	0	0	-0	95.6	1.6	1.7	0.0	97.2	1
1M	152	-317	-2	0	0	0	-0	90.7	1.6	1.7	0.0	92.3	1
2	152	-490	-3	6	0	0	0	140.3	1.2	5.1	0.0	141.5	1
3	152	-277	-2	4	0	0	0	79.3	0.6	3.2	0.0	79.9	1
4	152	-268	-2	4	0	0	0	76.7	0.6	3.2	0.0	77.3	1
5	152	-283	-2	4	0	0	0	81.0	0.5	3.2	0.0	81.5	1
6	152	-543	-3	2	0	0	0	155.6	2.2	2.4	0.0	157.8	1
7	152	-298	-2	1	0	0	0	85.4	1.2	1.5	0.0	86.6	1
8	152	-297	-2	1	0	0	0	85.2	1.2	1.5	0.0	86.3	1
9	152	-319	-2	1	0	0	0	91.4	1.1	1.5	0.0	92.5	1
10	152	-560	-3	6	0	0	0	160.3	1.4	5.1	0.0	161.7	1
11	152	-318	-2	4	0	0	0	91.1	0.7	3.2	0.0	91.8	1
12	152	-314	-2	4	0	0	0	89.9	0.7	3.2	0.0	90.6	1
13	152	-320	-2	4	0	0	0	91.8	0.6	3.2	0.0	92.4	1
14	152	-556	-3	2	0	0	0	159.2	2.2	2.6	0.0	161.4	1
15	152	-304	-2	1	0	0	0	87.1	1.2	1.5	0.0	88.3	1
16	152	-310	-2	1	0	0	0	88.9	1.2	1.5	0.0	90.1	1
17	152	-317	-2	1	0	0	0	90.8	1.1	1.5	0.0	91.9	1

ASTA NUM. 35 NI 112 NF 108 Lungh. 97.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0226	0.2556	--	--	2.3044	3.5826 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	388	1	-0	0	-0	0	111.1	1.1	0.9	0.0	112.2	1	
1E	0	486	1	-0	0	-0	0	139.1	1.1	0.9	0.0	140.2	1	
1I	0	417	1	-0	0	-0	0	119.6	1.0	0.9	0.0	120.7	1	
1M	0	456	1	-0	0	-0	0	130.6	1.0	0.9	0.0	131.6	1	
2	0	659	2	3	0	-0	0	188.9	4.1	2.8	0.0	193.0	1	
3	0	455	1	2	0	-0	0	130.5	2.9	1.8	0.0	133.3	1	
4	0	330	1	2	0	-0	0	94.6	3.0	1.7	0.0	97.6	1	
5	0	686	1	2	0	-0	0	196.6	2.8	1.8	0.0	199.4	1	
6	0	717	2	1	0	-0	0	205.4	2.1	1.4	0.0	207.4	1	
7	0	521	1	1	0	-0	0	149.1	1.9	0.9	0.0	151.0	1	
8	0	363	1	1	0	-0	0	104.1	1.9	0.9	0.0	106.0	1	
9	0	811	1	1	0	-0	0	232.4	1.7	0.9	0.0	234.1	1	
10	0	722	2	3	0	-0	0	206.9	3.9	2.8	0.0	210.8	1	
11	0	491	1	2	0	-0	0	140.8	2.8	1.7	0.0	143.6	1	
12	0	372	1	2	0	-0	0	106.7	3.0	1.7	0.0	109.7	1	
13	0	703	1	2	0	-0	0	201.5	2.7	1.8	0.0	204.2	1	
14	0	734	2	1	0	-0	0	210.4	2.1	1.5	0.0	212.5	1	
15	0	528	1	1	0	-0	0	151.4	1.9	0.9	0.0	153.2	1	
16	0	380	1	1	0	-0	0	108.8	2.0	0.9	0.0	110.8	1	
17	0	785	1	1	0	-0	0	224.9	1.4	0.9	0.0	226.4	1	
1A	49	388	-0	-0	0	-0	0	111.3	14.1	0.0	0.0	125.4	6	
1E	49	486	-0	-0	0	-0	0	139.3	14.1	0.0	0.0	153.4	6	
1I	49	418	-0	-0	0	-0	0	119.8	14.0	0.0	0.0	133.8	6	
1M	49	456	-0	-0	0	-0	0	130.8	14.0	0.0	0.0	144.8	6	
2	49	659	-0	-0	0	-1	1	188.8	54.6	0.1	0.0	243.5	1	
3	49	455	-0	-0	0	-1	0	130.4	34.3	0.1	0.0	164.8	1	
4	49	330	-0	-0	0	-1	0	94.6	34.4	0.1	0.0	128.9	1	
5	49	686	-0	-0	0	-1	0	196.6	34.4	0.0	0.0	231.1	1	
6	49	717	-0	-0	0	-0	0	205.6	25.9	0.0	0.0	231.5	6	
7	49	521	-0	-0	0	-0	0	149.3	16.6	0.0	0.0	165.9	6	
8	49	364	-0	-0	0	-0	0	104.3	16.6	0.0	0.0	120.8	6	
9	49	812	-0	-0	0	-0	0	232.6	16.7	0.0	0.0	249.2	6	
10	49	722	-0	-0	0	-1	1	206.8	54.5	0.1	0.0	261.3	1	
11	49	491	-0	-0	0	-1	0	140.8	34.2	0.1	0.0	175.0	1	
12	49	372	-0	-0	0	-1	0	106.6	34.4	0.1	0.0	141.1	1	
13	49	703	-0	-0	0	-1	0	201.5	34.3	0.1	0.0	235.8	1	
14	49	735	-0	-0	0	-0	0	210.6	27.0	0.0	0.0	237.6	6	
15	49	529	-0	-0	0	-0	0	151.5	16.4	0.0	0.0	167.9	6	
16	49	380	-0	-0	0	-0	0	108.9	16.6	0.0	0.0	125.5	6	
17	49	785	-0	-0	0	-0	0	225.1	16.5	0.0	0.0	241.5	6	
1A	97	389	-1	-0	0	-0	0	111.5	0.4	0.9	0.0	111.9	1	
1E	97	487	-1	-0	0	-0	0	139.5	0.4	0.9	0.0	140.0	1	
1I	97	419	-1	-0	0	-0	-0	120.0	0.5	0.9	0.0	120.5	1	
1M	97	457	-1	-0	0	-0	-0	131.0	0.5	0.9	0.0	131.5	1	
2	97	659	-2	-4	0	0	-0	188.8	2.1	3.0	0.0	190.9	6	
3	97	455	-1	-2	0	0	-0	130.4	1.2	1.9	0.0	131.6	1	
4	97	330	-1	-2	0	0	-0	94.5	1.2	1.9	0.0	95.7	1	
5	97	686	-1	-2	0	0	-0	196.6	0.9	1.9	0.0	197.5	6	
6	97	718	-2	-1	0	-0	-0	205.8	0.7	1.5	0.0	206.4	6	
7	97	521	-1	-1	0	-0	-0	149.4	0.2	0.9	0.0	149.6	6	
8	97	364	-1	-1	0	-0	-0	104.4	0.1	0.9	0.0	104.5	6	
9	97	812	-1	-1	0	-0	-0	232.7	0.4	0.9	0.0	233.1	1	
10	97	722	-2	-4	0	0	-0	206.8	2.3	3.0	0.0	209.1	6	
11	97	491	-1	-2	0	0	-0	140.7	1.3	1.9	0.0	142.1	1	
12	97	372	-1	-2	0	0	-0	106.6	1.2	1.9	0.0	107.8	1	
13	97	703	-1	-2	0	0	-0	201.5	1.1	1.9	0.0	202.5	6	
14	97	736	-2	-1	0	0	-0	210.8	1.1	1.6	0.0	211.9	6	
15	97	529	-1	-1	0	0	-0	151.6	0.4	0.9	0.0	152.0	6	
16	97	381	-1	-1	0	0	-0	109.0	0.2	0.9	0.0	109.2	6	
17	97	786	-1	-1	0	-0	-0	225.2	0.3	0.9	0.0	225.5	6	

ASTA NUM. 36 NI 116 NF 108 Lungh. 97.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0226	0.2556	--	--	2.3044	3.5826 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	365	1	0	0	0	0	104.6	0.9	0.9	0.0	105.5	1	
1E	0	463	1	0	0	0	0	132.7	0.9	0.9	0.0	133.6	1	
1I	0	395	1	0	0	0	0	113.1	0.9	0.9	0.0	114.0	1	
1M	0	433	1	0	0	0	0	124.1	0.9	0.9	0.0	125.0	1	
2	0	577	2	-3	0	0	0	165.4	3.0	2.8	0.0	168.4	1	
3	0	243	1	-2	0	0	0	69.6	1.3	1.8	0.0	70.9	1	
4	0	345	1	-2	0	0	0	98.9	1.2	1.8	0.0	100.2	1	
5	0	27	1	-2	0	0	0	7.8	1.5	1.8	0.0	9.3	1	
6	0	686	2	-1	0	0	0	196.5	1.4	1.4	0.0	198.0	1	
7	0	251	1	-1	0	0	-0	71.8	0.7	0.9	0.0	72.5	6	
8	0	406	1	-1	0	0	0	116.3	0.4	0.9	0.0	116.7	1	
9	0	14	1	-1	0	0	0	4.0	0.8	0.9	0.0	4.8	1	
10	0	692	2	-3	0	0	0	198.2	3.2	2.8	0.0	201.4	1	
11	0	311	1	-2	0	0	0	89.2	1.4	1.8	0.0	90.6	1	
12	0	421	1	-2	0	0	0	120.5	1.3	1.8	0.0	121.8	1	
13	0	106	1	-2	0	0	0	30.3	1.6	1.8	0.0	31.9	1	
14	0	704	2	-1	0	0	0	201.6	1.5	1.5	0.0	203.1	1	
15	0	259	1	-1	0	0	-0	74.1	0.7	0.9	0.0	74.8	6	
16	0	423	1	-1	0	0	-0	121.3	0.7	0.9	0.0	122.0	6	
17	0	35	1	-1	0	0	0	10.0	0.7	0.9	0.0	10.7	1	
1A	49	366	-0	0	0	0	0	104.8	13.7	0.0	0.0	118.5	6	
1E	49	464	-0	0	0	0	0	132.9	13.7	0.0	0.0	146.6	6	
1I	49	396	-0	0	0	0	0	113.3	13.5	0.0	0.0	126.9	6	
1M	49	434	-0	0	0	0	0	124.3	13.5	0.0	0.0	137.9	6	
2	49	577	-0	0	0	1	1	165.3	53.7	0.1	0.0	219.1	1	
3	49	243	-0	0	0	1	0	69.6	33.1	0.0	0.0	102.7	1	
4	49	345	-0	0	0	1	0	98.9	33.1	0.0	0.0	132.0	1	
5	49	27	-0	0	0	1	0	7.8	33.4	0.0	0.0	41.2	1	
6	49	687	-0	0	0	0	0	196.7	25.3	0.0	0.0	222.0	6	

7	49	251	-0	0	0	0	0	72.0	15.1	0.0	0.0	87.1	6
8	49	406	-0	0	0	0	0	116.5	15.2	0.0	0.0	131.7	6
9	49	14	-0	0	0	0	0	4.1	15.5	0.0	0.0	19.7	6
10	49	692	-0	0	0	1	1	198.2	53.9	0.1	0.0	252.1	1
11	49	311	-0	0	0	1	0	89.2	33.2	0.0	0.0	122.4	1
12	49	420	-0	0	0	1	0	120.5	33.3	0.0	0.0	153.7	1
13	49	106	-0	0	0	1	0	30.3	33.5	0.0	0.0	63.7	1
14	49	704	-0	0	0	0	0	201.8	26.4	0.0	0.0	228.2	6
15	49	259	-0	0	0	0	0	74.2	15.0	0.0	0.0	89.2	6
16	49	424	-0	0	0	0	0	121.4	15.1	0.0	0.0	136.5	6
17	49	35	-0	0	0	0	0	10.1	15.3	0.0	0.0	25.5	6
1A	97	366	-1	0	0	0	-0	105.0	0.6	0.9	0.0	105.5	6
1E	97	464	-1	0	0	0	-0	133.1	0.6	0.9	0.0	133.6	6
1I	97	396	-1	0	0	0	-0	113.5	0.7	0.9	0.0	114.3	6
1M	97	435	-1	0	0	0	-0	124.5	0.7	0.9	0.0	125.2	6
2	97	577	-2	4	0	-0	-0	165.3	2.9	3.0	0.0	168.2	6
3	97	243	-1	2	0	-0	-0	69.6	2.3	1.9	0.0	71.9	6
4	97	345	-1	2	0	-0	-0	98.9	2.3	1.9	0.0	101.1	6
5	97	27	-1	2	0	-0	-0	7.7	2.0	1.9	0.0	9.7	6
6	97	687	-2	1	0	-0	-0	196.9	1.1	1.5	0.0	198.1	6
7	97	252	-1	1	0	-0	-0	72.1	1.4	0.9	0.0	73.5	6
8	97	407	-1	1	0	-0	-0	116.6	1.3	0.9	0.0	117.9	6
9	97	15	-1	1	0	-0	-0	4.2	0.9	0.9	0.0	5.2	6
10	97	691	-2	4	0	-0	-0	198.1	2.8	3.0	0.0	200.9	6
11	97	311	-1	2	0	-0	-0	89.1	2.2	1.9	0.0	91.4	6
12	97	420	-1	2	0	-0	-0	120.4	2.2	1.8	0.0	122.6	6
13	97	106	-1	2	0	-0	-0	30.2	2.0	1.9	0.0	32.2	6
14	97	705	-2	1	0	-0	-0	202.0	1.6	1.6	0.0	203.6	6
15	97	259	-1	1	0	-0	-0	74.3	1.6	0.9	0.0	76.0	6
16	97	424	-1	1	0	-0	-0	121.5	1.4	0.9	0.0	123.0	6
17	97	36	-1	1	0	-0	-0	10.3	1.2	0.9	0.0	11.5	6

ASTA NUM. 37 NI 111 NF 116 Lungh. 201.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.9397	0.2349	--	--	2.3380	3.5127 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-19	2	0	0	0	0	5.4	0.8	1.9	0.0	6.6	5	
1E	0	57	2	0	0	0	0	16.5	0.8	1.9	0.0	17.3	1	
1I	0	2	2	0	0	0	0	0.7	0.8	1.9	0.0	3.5	5	
1M	0	36	2	0	0	0	0	10.4	0.8	1.9	0.0	11.2	5	
2	0	75	5	7	0	0	0	21.5	1.8	6.1	0.0	25.0	4	
3	0	115	3	5	0	0	0	33.0	0.9	3.8	0.0	34.2	4	
4	0	16	3	5	0	0	0	4.6	0.9	3.8	0.0	8.8	4	
5	0	309	3	5	0	0	0	88.7	1.0	3.8	0.0	89.7	1	
6	0	39	4	2	0	0	0	11.3	1.6	3.0	0.0	13.1	4	
7	0	131	2	1	0	0	0	37.6	0.7	1.9	0.0	38.3	1	
8	0	-4	2	1	0	0	0	1.2	0.8	1.9	0.0	3.7	4	
9	0	361	2	1	0	0	0	103.5	0.9	1.9	0.0	104.4	1	
10	0	58	5	7	0	0	0	16.6	2.0	6.1	0.0	20.9	4	
11	0	104	3	5	0	0	0	29.9	1.1	3.8	0.0	31.2	4	
12	0	5	3	5	0	0	0	1.5	1.1	3.8	0.0	7.6	4	
13	0	286	3	5	0	0	0	81.8	1.2	3.8	0.0	83.0	1	
14	0	39	4	2	0	0	0	11.1	1.5	3.2	0.0	13.0	4	
15	0	132	2	1	0	0	0	37.8	0.7	1.9	0.0	38.5	1	
16	0	-4	2	1	0	0	0	1.0	0.7	1.9	0.0	3.7	4	
17	0	341	2	1	0	0	0	97.7	0.8	1.9	0.0	98.5	1	
1A	101	-17	-0	0	0	0	1	5.0	59.2	0.0	0.0	64.1	6	
1E	101	59	-0	0	0	0	1	16.9	59.2	0.0	0.0	76.0	6	
1I	101	4	-0	0	0	0	1	1.1	59.2	0.0	0.0	60.3	6	
1M	101	38	-0	0	0	0	1	10.8	59.2	0.0	0.0	70.0	6	
2	101	75	-0	-0	0	-4	2	21.4	229.7	0.0	0.0	251.2	1	
3	101	115	-0	-0	0	-2	1	33.0	143.9	0.0	0.0	176.8	1	
4	101	16	-0	0	0	-2	1	4.6	143.9	0.0	0.0	148.5	1	
5	101	309	-0	0	0	-2	1	88.6	143.8	0.0	0.0	232.4	1	
6	101	41	-0	0	0	-1	2	11.7	108.7	0.0	0.0	120.3	6	
7	101	132	-0	0	0	-1	1	37.9	68.3	0.0	0.0	106.2	6	
8	101	-3	-0	0	0	-1	1	0.9	68.3	0.0	0.0	69.3	6	
9	101	362	-0	0	0	-1	1	103.8	68.1	0.0	0.0	171.9	6	
10	101	58	-0	-0	0	-4	2	16.5	229.5	0.0	0.0	246.0	1	
11	101	104	-0	0	0	-2	1	29.8	143.7	0.0	0.0	173.5	1	
12	101	5	-0	0	0	-2	1	1.5	143.8	0.0	0.0	145.3	1	
13	101	285	-0	0	0	-2	1	81.8	143.6	0.0	0.0	225.4	1	
14	101	40	-0	0	0	-1	2	11.6	114.7	0.0	0.0	126.3	6	
15	101	133	-0	0	0	-1	1	38.0	68.4	0.0	0.0	106.4	6	
16	101	-3	-0	0	0	-1	1	0.7	68.4	0.0	0.0	69.2	6	
17	101	342	-0	0	0	-1	1	97.9	68.2	0.0	0.0	166.1	6	
1A	201	-16	-2	0	0	0	-0	4.5	2.2	2.0	0.0	6.7	6	
1E	201	60	-2	0	0	0	-0	17.3	2.2	2.0	0.0	19.5	6	
1I	201	5	-2	0	0	0	-0	1.5	2.2	2.0	0.0	3.8	4	
1M	201	39	-2	0	0	0	-0	11.2	2.2	2.0	0.0	13.5	6	
2	201	74	-5	-7	0	0	-0	21.3	3.9	6.1	0.0	25.7	4	
3	201	115	-3	-5	0	0	-0	32.9	2.0	3.8	0.0	34.9	6	
4	201	16	-3	-5	0	0	-0	4.5	1.8	3.8	0.0	9.0	4	
5	201	309	-3	-5	0	0	-0	88.5	2.1	3.8	0.0	90.7	6	
6	201	42	-4	-2	0	0	-0	12.1	3.8	3.1	0.0	15.9	6	
7	201	133	-2	-1	0	-0	-0	38.1	1.7	1.9	0.0	39.8	6	
8	201	-2	-2	-1	0	0	-0	0.7	1.6	1.9	0.0	3.6	4	
9	201	363	-2	-1	0	0	-0	104.0	2.0	1.9	0.0	106.0	6	
10	201	57	-5	-7	0	0	-0	16.4	4.3	6.1	0.0	21.6	4	
11	201	104	-3	-5	0	0	-0	29.8	2.2	3.8	0.0	32.0	6	
12	201	5	-3	-5	0	0	-0	1.4	2.0	3.8	0.0	7.6	4	
13	201	285	-3	-5	0	0	-0	81.7	2.3	3.8	0.0	84.1	6	
14	201	42	-4	-2	0	0	-0	12.0	3.9	3.3	0.0	15.9	6	
15	201	134	-2	-1	0	-0	-0	38.3	1.7	1.9	0.0	40.0	6	
16	201	-2	-2	-1	0	-0	-0	0.5	1.7	1.9	0.0	3.6	4	
17	201	343	-2	-1	0	0	-0	98.2	2.0	1.9	0.0	100.1	6	

ASTA NUM. 38 NI 115 NF 112 Lungh. 201.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.9397	0.2349	--	--	2.3380	3.5127 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-40	2	-0	0	-0	-0	11.4	1.0	1.9	0.0	12.4	1	
1E	0	37	2	-0	0	-0	-0	10.5	1.0	1.9	0.0	11.5	1	
1I	0	-19	2	-0	0	-0	-0	5.3	1.0	1.9	0.0	6.6	4	
1M	0	15	2	-0	0	-0	-0	4.4	1.0	1.9	0.0	5.8	5	
2	0	2	5	-7	0	-0	0	0.7	1.9	6.1	0.0	11.8	4	
3	0	-71	3	-5	0	-0	0	20.3	1.2	3.8	0.0	22.0	4	
4	0	27	3	-5	0	-0	0	7.6	1.1	3.8	0.0	10.8	4	
5	0	-265	3	-5	0	-0	0	75.9	1.2	3.8	0.0	77.0	1	
6	0	11	4	-2	0	-0	-0	3.1	1.8	3.0	0.0	6.7	4	
7	0	-106	2	-1	0	-0	0	30.3	1.0	1.9	0.0	31.2	1	
8	0	29	2	-1	0	-0	0	8.4	0.9	1.9	0.0	9.4	4	
9	0	-333	2	-1	0	-0	0	95.5	1.0	1.9	0.0	96.4	1	
10	0	30	5	-7	0	-0	0	8.6	2.0	6.1	0.0	14.9	4	
11	0	-54	3	-5	0	-0	0	15.5	1.2	3.8	0.0	17.5	4	
12	0	44	3	-5	0	-0	0	12.6	1.2	3.8	0.0	15.0	4	
13	0	-235	3	-5	0	-0	0	67.4	1.2	3.8	0.0	68.6	1	
14	0	10	4	-2	0	-0	-0	3.0	1.8	3.2	0.0	6.8	4	
15	0	-105	2	-1	0	-0	0	30.1	0.9	1.9	0.0	31.0	1	
16	0	31	2	-1	0	-0	0	8.8	1.0	1.9	0.0	9.8	4	
17	0	-313	2	-1	0	-0	0	89.6	0.9	1.9	0.0	90.5	1	
1A	101	-38	-0	-0	0	-0	1	10.9	59.1	0.0	0.0	70.0	6	
1E	101	38	-0	-0	0	-0	1	10.9	59.1	0.0	0.0	70.0	6	
1I	101	-17	-0	-0	0	-0	1	4.9	59.1	0.0	0.0	64.0	6	
1M	101	17	-0	-0	0	-0	1	4.8	59.1	0.0	0.0	63.9	6	
2	101	2	-0	0	0	4	2	0.6	229.1	0.0	0.0	229.7	1	
3	101	-71	-0	0	0	2	1	20.4	143.0	0.0	0.0	163.4	1	
4	101	26	-0	0	0	2	1	7.5	142.9	0.0	0.0	150.5	1	
5	101	-265	-0	0	0	2	1	75.9	143.0	0.0	0.0	219.0	1	
6	101	12	-0	-0	0	1	2	3.5	108.2	0.0	0.0	111.7	6	
7	101	-105	-0	0	0	1	1	30.0	67.4	0.0	0.0	97.4	6	
8	101	30	-0	0	0	1	1	8.7	67.4	0.0	0.0	76.1	6	
9	101	-332	-0	0	0	1	1	95.2	67.5	0.0	0.0	162.7	6	
10	101	30	-0	0	0	4	2	8.5	229.1	0.0	0.0	237.6	1	
11	101	-54	-0	0	0	2	1	15.5	143.0	0.0	0.0	158.5	1	
12	101	44	-0	0	0	2	1	12.6	142.9	0.0	0.0	155.5	1	
13	101	-235	-0	0	0	2	1	67.5	143.0	0.0	0.0	210.5	1	
14	101	12	-0	-0	0	1	2	3.4	114.2	0.0	0.0	117.7	6	
15	101	-104	-0	0	0	1	1	29.8	67.5	0.0	0.0	97.3	6	
16	101	32	-0	0	0	1	1	9.1	67.4	0.0	0.0	76.5	6	
17	101	-312	-0	0	0	1	1	89.3	67.6	0.0	0.0	156.9	6	
1A	201	-37	-2	-0	0	-0	-0	10.5	2.8	2.0	0.0	13.3	6	
1E	201	39	-2	-0	0	-0	-0	11.3	2.8	2.0	0.0	14.1	6	
1I	201	-16	-2	-0	0	-0	-0	4.5	2.8	2.0	0.0	7.3	6	
1M	201	18	-2	-0	0	-0	-0	5.2	2.8	2.0	0.0	8.0	6	
2	201	2	-5	7	0	-0	-0	0.5	4.8	6.1	0.0	12.0	4	
3	201	-71	-3	5	0	-0	-0	20.4	3.2	3.8	0.0	23.6	6	
4	201	26	-3	5	0	-0	-0	7.5	3.3	3.8	0.0	11.6	4	
5	201	-265	-3	5	0	-0	-0	76.0	3.1	3.8	0.0	79.1	6	
6	201	14	-4	2	0	-0	-0	3.9	4.6	3.1	0.0	8.5	6	
7	201	-104	-2	1	0	-0	-0	29.7	3.2	1.9	0.0	32.9	6	
8	201	31	-2	1	0	-0	-0	9.0	3.2	1.9	0.0	12.1	6	
9	201	-331	-2	1	0	-0	-0	95.0	3.0	1.9	0.0	97.9	6	
10	201	29	-5	7	0	-0	-0	8.4	5.0	6.1	0.0	15.7	4	
11	201	-54	-3	5	0	-0	-0	15.6	3.3	3.8	0.0	18.8	6	
12	201	44	-3	5	0	-0	-0	12.5	3.4	3.8	0.0	16.0	6	
13	201	-236	-3	5	0	-0	-0	67.5	3.2	3.8	0.0	70.7	6	

14	201	14	-4	2	0	-0	-0	3.9	4.6	3.3	0.0	8.5	6
15	201	-103	-2	1	0	-0	-0	29.6	3.1	1.9	0.0	32.7	6
16	201	33	-2	1	0	-0	-0	9.3	3.3	1.9	0.0	12.6	6
17	201	-311	-2	1	0	-0	-0	89.1	2.9	1.9	0.0	92.0	6

ASTA NUM. 39 NI 110 NF 115 Lungh. 218.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.8269	0.2067	--	--	2.3844	3.4180 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-26	3	0	0	-0	0	7.4	0.1	2.2	0.0	8.4	5	
1E	0	27	3	0	0	-0	0	7.7	0.1	2.2	0.0	8.6	5	
1I	0	-12	3	0	0	-0	0	3.5	0.2	2.2	0.0	5.2	5	
1M	0	13	3	0	0	-0	0	3.8	0.2	2.2	0.0	5.4	5	
2	0	1	5	8	0	0	0	0.3	0.5	6.7	0.0	12.8	4	
3	0	63	3	5	0	0	0	18.2	0.3	4.2	0.0	19.9	4	
4	0	-22	3	5	0	0	0	6.2	0.4	4.2	0.0	10.2	4	
5	0	232	3	5	0	0	0	66.5	0.4	4.2	0.0	67.1	4	
6	0	-8	4	2	0	-0	0	2.4	0.0	3.3	0.0	6.5	4	
7	0	92	2	1	0	0	0	26.3	0.0	2.1	0.0	26.6	4	
8	0	-25	2	1	0	0	0	7.3	0.0	2.1	0.0	8.2	4	
9	0	290	2	1	0	0	0	83.2	0.1	2.1	0.0	83.3	4	
10	0	-22	5	8	0	0	0	6.3	0.6	6.7	0.0	14.3	4	
11	0	49	3	5	0	0	0	14.1	0.4	4.2	0.0	16.3	4	
12	0	-36	3	5	0	0	0	10.4	0.4	4.2	0.0	13.2	4	
13	0	207	3	5	0	0	0	59.3	0.4	4.2	0.0	59.9	4	
14	0	-8	4	2	0	-0	0	2.4	0.1	3.5	0.0	6.8	4	
15	0	92	2	1	0	0	0	26.2	0.0	2.1	0.0	26.5	4	
16	0	-26	2	1	0	0	0	7.6	0.1	2.1	0.0	8.5	4	
17	0	272	2	1	0	0	0	78.0	0.1	2.1	0.0	78.1	4	
1A	109	-24	-0	0	0	-0	1	7.0	72.0	0.0	0.0	79.0	6	
1E	109	28	-0	0	0	-0	1	8.1	72.0	0.0	0.0	80.2	6	
1I	109	-11	-0	0	0	-0	1	3.1	72.0	0.0	0.0	75.1	6	
1M	109	15	-0	0	0	-0	1	4.2	72.0	0.0	0.0	76.2	6	
2	109	1	-0	0	0	-4	3	0.2	274.9	0.0	0.0	275.2	1	
3	109	63	-0	0	0	-3	2	18.1	171.8	0.0	0.0	189.9	1	
4	109	-22	-0	0	0	-3	2	6.2	171.9	0.0	0.0	178.1	1	
5	109	232	-0	0	0	-3	2	66.4	171.8	0.0	0.0	238.2	1	
6	109	-7	-0	0	0	-1	2	2.0	131.3	0.0	0.0	133.3	6	
7	109	93	0	0	0	-1	1	26.6	82.2	0.0	0.0	108.8	6	
8	109	-25	0	0	0	-1	1	7.0	82.2	0.0	0.0	89.2	6	
9	109	291	-0	0	0	-1	1	83.4	82.1	0.0	0.0	165.5	6	
10	109	-22	-0	0	0	-4	3	6.4	274.9	0.0	0.0	281.3	1	
11	109	49	-0	0	0	-3	2	14.0	171.8	0.0	0.0	185.8	1	
12	109	-36	-0	0	0	-3	2	10.4	171.9	0.0	0.0	182.3	1	
13	109	207	-0	0	0	-3	2	59.2	171.8	0.0	0.0	231.0	1	
14	109	-7	-0	0	0	-1	2	1.9	138.5	0.0	0.0	140.4	6	
15	109	92	-0	0	0	-1	1	26.5	82.1	0.0	0.0	108.6	6	
16	109	-26	0	0	0	-1	1	7.3	82.2	0.0	0.0	89.5	6	
17	109	273	-0	0	0	-1	1	78.3	82.1	0.0	0.0	160.4	6	
1A	218	-23	-3	0	0	-0	-0	6.6	1.5	2.2	0.0	8.1	1	
1E	218	30	-3	0	0	-0	-0	8.6	1.5	2.2	0.0	10.0	1	
1I	218	-9	-3	0	0	-0	-0	2.6	1.5	2.2	0.0	4.9	5	
1M	218	16	-3	0	0	-0	-0	4.6	1.5	2.2	0.0	6.3	5	
2	218	0	-5	-8	0	-0	-0	0.1	0.6	6.7	0.0	12.7	4	
3	218	63	-3	-5	0	-0	0	18.0	0.5	4.2	0.0	19.9	4	
4	218	-22	-3	-5	0	-0	0	6.3	0.6	4.2	0.0	10.3	4	
5	218	232	-3	-5	0	-0	0	66.4	0.5	4.2	0.0	67.0	4	
6	218	-6	-4	-2	0	-0	-0	1.6	1.8	3.3	0.0	6.4	4	
7	218	94	-2	-1	0	-0	-0	26.9	1.3	2.1	0.0	28.2	1	
8	218	-24	-2	-1	0	-0	-0	6.8	1.3	2.1	0.0	8.2	4	
9	218	292	-2	-1	0	-0	-0	83.7	1.4	2.1	0.0	85.0	1	
10	218	-23	-5	-8	0	-0	-0	6.5	0.6	6.7	0.0	14.4	4	
11	218	49	-3	-5	0	-0	0	13.9	0.5	4.2	0.0	16.2	4	
12	218	-37	-3	-5	0	-0	0	10.5	0.7	4.2	0.0	13.4	4	
13	218	206	-3	-5	0	-0	-0	59.1	0.5	4.2	0.0	59.9	4	
14	218	-5	-4	-2	0	-0	-0	1.5	1.9	3.5	0.0	6.7	4	
15	218	93	-2	-1	0	-0	-0	26.8	1.3	2.1	0.0	28.1	1	
16	218	-25	-2	-1	0	-0	-0	7.1	1.3	2.1	0.0	8.4	4	
17	218	274	-2	-1	0	-0	-0	78.5	1.3	2.1	0.0	79.9	1	

ASTA NUM. 40 NI 114 NF 111 Lungh. 218.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.8269	0.2067	--	--	2.3844	3.4180 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-44	3	-0	0	0	0	12.6	0.4	2.2	0.0	13.3	5	
1E	0	9	3	-0	0	0	0	2.5	0.4	2.2	0.0	4.6	5	
1I	0	-30	3	-0	0	0	0	8.7	0.4	2.2	0.0	9.6	5	
1M	0	-5	3	-0	0	0	0	1.4	0.4	2.2	0.0	4.0	5	
2	0	-62	5	-8	0	-0	0	17.8	0.4	6.7	0.0	22.0	4	
3	0	-99	3	-5	0	-0	0	28.2	0.2	4.2	0.0	29.4	4	
4	0	-13	3	-5	0	-0	0	3.6	0.2	4.2	0.0	8.8	4	
5	0	-267	3	-5	0	-0	0	76.6	0.2	4.2	0.0	77.1	4	
6	0	-33	4	-2	0	0	0	9.5	0.2	3.3	0.0	11.3	4	
7	0	-114	2	-1	0	0	0	32.6	0.2	2.1	0.0	32.9	4	
8	0	4	2	-1	0	0	0	1.1	0.2	2.1	0.0	3.9	4	
9	0	-314	2	-1	0	0	0	89.9	0.2	2.1	0.0	90.1	1	
10	0	-46	5	-8	0	-0	0	13.2	0.4	6.7	0.0	18.5	4	
11	0	-89	3	-5	0	-0	0	25.4	0.2	4.2	0.0	26.7	4	
12	0	-3	3	-5	0	-0	0	0.7	0.2	4.2	0.0	8.0	4	
13	0	-246	3	-5	0	-0	0	70.5	0.2	4.2	0.0	71.1	4	
14	0	-33	4	-2	0	0	0	9.4	0.2	3.5	0.0	11.4	4	
15	0	-114	2	-1	0	0	0	32.8	0.2	2.1	0.0	33.0	4	
16	0	3	2	-1	0	0	0	1.0	0.2	2.1	0.0	3.9	4	
17	0	-296	2	-1	0	0	0	84.8	0.2	2.1	0.0	85.0	1	
1A	109	-43	-0	-0	0	0	1	12.2	71.9	0.0	0.0	84.1	6	
1E	109	10	-0	-0	0	0	1	3.0	71.9	0.0	0.0	74.9	6	
1I	109	-29	-0	-0	0	0	1	8.2	71.9	0.0	0.0	80.1	6	
1M	109	-3	-0	-0	0	0	1	1.0	71.9	0.0	0.0	72.9	6	
2	109	-62	-0	-0	0	4	3	17.9	274.6	0.0	0.0	292.5	1	
3	109	-99	-0	0	0	3	2	28.3	171.4	0.0	0.0	199.7	1	
4	109	-13	-0	0	0	3	2	3.7	171.4	0.0	0.0	175.0	1	
5	109	-268	-0	0	0	3	2	76.7	171.5	0.0	0.0	248.1	1	
6	109	-32	-0	-0	0	1	2	9.1	131.1	0.0	0.0	140.2	6	
7	109	-113	-0	-0	0	1	1	32.4	81.8	0.0	0.0	114.2	6	
8	109	5	-0	-0	0	1	1	1.3	81.7	0.0	0.0	83.1	6	
9	109	-313	-0	-0	0	1	1	89.6	81.9	0.0	0.0	171.5	6	
10	109	-46	-0	-0	0	4	3	13.3	274.7	0.0	0.0	288.0	1	
11	109	-89	-0	-0	0	3	2	25.4	171.5	0.0	0.0	196.9	1	
12	109	-3	-0	0	0	3	2	0.8	171.4	0.0	0.0	172.2	1	
13	109	-246	-0	-0	0	3	2	70.6	171.5	0.0	0.0	242.1	1	
14	109	-31	-0	-0	0	1	2	9.0	138.3	0.0	0.0	147.3	6	
15	109	-113	-0	-0	0	1	1	32.5	81.8	0.0	0.0	114.3	6	
16	109	4	-0	-0	0	1	1	1.2	81.7	0.0	0.0	82.9	6	
17	109	-295	-0	-0	0	1	1	84.5	81.9	0.0	0.0	166.4	6	
1A	218	-41	-3	-0	0	0	-0	11.8	1.2	2.2	0.0	12.9	1	
1E	218	12	-3	-0	0	0	-0	3.4	1.2	2.2	0.0	5.3	5	
1I	218	-27	-3	-0	0	0	-0	7.8	1.2	2.2	0.0	9.1	4	
1M	218	-2	-3	-0	0	0	-0	0.6	1.2	2.2	0.0	3.9	5	
2	218	-63	-5	8	0	-0	-0	17.9	0.5	6.7	0.0	22.1	4	
3	218	-99	-3	5	0	-0	-0	28.4	0.5	4.2	0.0	29.7	4	
4	218	-13	-3	5	0	-0	-0	3.7	0.7	4.2	0.0	8.9	4	
5	218	-268	-3	5	0	-0	-0	76.7	0.5	4.2	0.0	77.3	4	
6	218	-30	-4	2	0	0	-0	8.6	1.5	3.3	0.0	11.1	4	
7	218	-112	-2	1	0	0	-0	32.1	0.9	2.1	0.0	33.0	6	
8	218	6	-2	1	0	0	-0	1.6	1.0	2.1	0.0	4.2	4	
9	218	-312	-2	1	0	0	-0	89.4	0.8	2.1	0.0	90.2	6	
10	218	-47	-5	8	0	0	-0	13.4	0.5	6.7	0.0	18.6	4	
11	218	-89	-3	5	0	-0	-0	25.5	0.5	4.2	0.0	26.9	4	
12	218	-3	-3	5	0	-0	-0	0.8	0.6	4.2	0.0	8.0	4	
13	218	-247	-3	5	0	-0	-0	70.7	0.4	4.2	0.0	71.3	4	
14	218	-30	-4	2	0	0	-0	8.5	1.6	3.5	0.0	11.2	4	
15	218	-113	-2	1	0	0	-0	32.2	0.9	2.1	0.0	33.1	6	
16	218	5	-2	1	0	0	-0	1.5	1.0	2.1	0.0	4.2	4	
17	218	-294	-2	1	0	0	-0	84.3	0.8	2.1	0.0	85.1	6	

ASTA NUM. 41 NI 113 NF 110 Lungh. 239.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7829	0.1957	--	--	2.4026	3.3812 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-28	3	-0	0	-0	-0	7.9	1.1	2.4	0.0	9.2	4	
1E	0	4	3	-0	0	-0	-0	1.0	1.1	2.4	0.0	4.4	5	
1I	0	-21	3	-0	0	-0	-0	6.0	1.2	2.4	0.0	7.6	4	
1M	0	-3	3	-0	0	-0	-0	0.8	1.2	2.4	0.0	4.3	5	
2	0	-11	5	-9	0	-0	-0	3.3	4.7	7.4	0.0	15.0	4	
3	0	-63	3	-6	0	-0	-0	17.9	2.8	4.6	0.0	21.0	4	
4	0	13	3	-6	0	-0	-0	3.8	2.8	4.6	0.0	10.1	4	
5	0	-213	3	-6	0	-0	-0	61.0	2.8	4.6	0.0	63.8	1	
6	0	-8	4	-2	0	-0	-0	2.4	2.7	3.6	0.0	7.5	4	
7	0	-91	3	-1	0	-0	-0	26.2	1.5	2.3	0.0	27.7	1	
8	0	13	3	-1	0	-0	-0	3.8	1.5	2.3	0.0	6.1	4	
9	0	-268	3	-1	0	-0	-0	76.9	1.5	2.3	0.0	78.4	1	

10	0	8	5	-9	0	-0	-0	2.3	4.8	7.4	0.0	14.7	4
11	0	-51	3	-6	0	-0	-0	14.5	2.9	4.6	0.0	17.9	4
12	0	26	3	-6	0	-0	-0	7.3	2.9	4.6	0.0	12.2	4
13	0	-191	3	-6	0	-0	-0	54.8	2.8	4.6	0.0	57.6	1
14	0	-9	5	-2	0	-0	-0	2.7	2.7	3.9	0.0	8.0	4
15	0	-91	3	-1	0	-0	-0	26.1	1.5	2.3	0.0	27.6	1
16	0	14	3	-1	0	-0	-0	4.0	1.5	2.3	0.0	6.2	4
17	0	-253	3	-1	0	-0	-0	72.3	1.5	2.3	0.0	73.8	1
1A	120	-26	-0	-0	0	-0	2	7.4	86.4	0.0	0.0	93.9	6
1E	120	5	-0	-0	0	-0	2	1.5	86.4	0.0	0.0	87.9	6
1I	120	-19	-0	-0	0	-0	2	5.6	86.4	0.0	0.0	91.9	6
1M	120	-1	-0	-0	0	-0	2	0.4	86.4	0.0	0.0	86.7	6
2	120	-12	0	-0	0	5	3	3.4	328.4	0.0	0.0	331.8	1
3	120	-63	0	-0	0	3	2	18.0	205.1	0.0	0.0	223.1	1
4	120	13	-0	-0	0	3	2	3.7	205.1	0.0	0.0	208.8	1
5	120	-213	0	-0	0	3	2	61.1	205.2	0.0	0.0	266.3	1
6	120	-7	-0	-0	0	1	3	2.0	156.6	0.0	0.0	158.5	6
7	120	-90	-0	-0	0	1	2	25.9	97.8	0.0	0.0	123.7	6
8	120	14	-0	-0	0	1	2	4.1	97.7	0.0	0.0	101.9	6
9	120	-267	-0	-0	0	1	2	76.6	97.9	0.0	0.0	174.5	6
10	120	8	0	-0	0	5	3	2.2	328.4	0.0	0.0	330.6	1
11	120	-51	-0	-0	0	3	2	14.5	205.1	0.0	0.0	219.7	1
12	120	25	-0	-0	0	3	2	7.3	205.1	0.0	0.0	212.3	1
13	120	-191	0	-0	0	3	2	54.9	205.2	0.0	0.0	260.0	1
14	120	-8	-0	-0	0	1	3	2.2	165.2	0.0	0.0	167.4	6
15	120	-90	-0	-0	0	1	2	25.8	97.8	0.0	0.0	123.6	6
16	120	15	-0	-0	0	1	2	4.3	97.7	0.0	0.0	102.0	6
17	120	-252	-0	-0	0	1	2	72.1	97.9	0.0	0.0	169.9	6
1A	239	-24	-3	-0	0	0	-0	7.0	1.7	2.4	0.0	8.7	6
1E	239	7	-3	-0	0	0	-0	2.0	1.7	2.4	0.0	4.7	5
1I	239	-18	-3	-0	0	0	-0	5.1	1.7	2.4	0.0	6.9	4
1M	239	0	-3	-0	0	0	-0	0.1	1.7	2.4	0.0	4.2	5
2	239	-12	-5	9	0	-0	-0	3.5	1.5	7.3	0.0	14.5	4
3	239	-63	-3	6	0	-0	-0	18.1	1.0	4.6	0.0	20.4	4
4	239	13	-3	6	0	-0	-0	3.7	1.1	4.6	0.0	9.7	4
5	239	-214	-3	6	0	-0	-0	61.2	1.0	4.6	0.0	62.2	4
6	239	-5	-4	2	0	0	-0	1.5	2.2	3.6	0.0	7.0	4
7	239	-89	-3	1	0	0	-0	25.6	1.3	2.3	0.0	26.9	6
8	239	15	-3	1	0	0	-0	4.4	1.4	2.3	0.0	6.3	4
9	239	-266	-3	1	0	0	-0	76.3	1.3	2.3	0.0	77.6	6
10	239	7	-5	9	0	-0	-0	2.1	1.6	7.3	0.0	14.2	4
11	239	-51	-3	6	0	-0	-0	14.6	1.1	4.6	0.0	17.4	4
12	239	25	-3	6	0	-0	-0	7.2	1.2	4.6	0.0	11.6	4
13	239	-192	-3	6	0	-0	-0	54.9	1.0	4.6	0.0	56.0	4
14	239	-6	-5	2	0	0	-0	1.7	2.3	3.9	0.0	7.4	4
15	239	-89	-3	1	0	0	-0	25.6	1.3	2.3	0.0	26.9	6
16	239	16	-3	1	0	0	-0	4.6	1.4	2.3	0.0	6.5	4
17	239	-251	-3	1	0	0	-0	71.8	1.3	2.3	0.0	73.0	6

ASTA NUM. 42 NI 109 NF 114 Lungh. 239.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7829	0.1957	--	--	2.4026	3.3812 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-11	3	0	0	0	-0	3.3	1.3	2.4	0.0	5.5	5	
1E	0	20	3	0	0	0	-0	5.7	1.3	2.4	0.0	7.4	4	
1I	0	-5	3	0	0	0	-0	1.4	1.3	2.4	0.0	4.5	5	
1M	0	13	3	0	0	0	-0	3.8	1.3	2.4	0.0	5.9	5	
2	0	45	5	9	0	0	-0	12.9	4.8	7.4	0.0	20.4	4	
3	0	82	3	6	0	0	-0	23.5	3.0	4.6	0.0	26.4	1	
4	0	5	3	6	0	0	-0	1.5	2.9	4.6	0.0	9.2	4	
5	0	232	3	6	0	0	-0	66.6	3.0	4.6	0.0	69.6	1	
6	0	14	4	2	0	0	-0	3.9	2.7	3.6	0.0	8.3	4	
7	0	92	3	1	0	0	-0	26.4	1.7	2.3	0.0	28.1	1	
8	0	-13	3	1	0	0	-0	3.6	1.7	2.3	0.0	6.0	4	
9	0	270	3	1	0	0	-0	77.4	1.7	2.3	0.0	79.2	1	
10	0	30	5	9	0	0	-0	8.5	4.9	7.4	0.0	17.5	4	
11	0	72	3	6	0	0	-0	20.7	3.0	4.6	0.0	23.7	1	
12	0	-4	3	6	0	0	-0	1.2	3.0	4.6	0.0	9.1	4	
13	0	213	3	6	0	0	-0	61.0	3.1	4.6	0.0	64.0	1	
14	0	13	5	2	0	0	-0	3.6	2.8	3.9	0.0	8.5	4	
15	0	93	3	1	0	0	-0	26.5	1.7	2.3	0.0	28.2	1	
16	0	-13	3	1	0	0	-0	3.6	1.7	2.3	0.0	6.0	4	
17	0	254	3	1	0	0	-0	72.9	1.7	2.3	0.0	74.6	1	
1A	120	-10	-0	0	0	0	2	2.8	86.5	0.0	0.0	89.3	6	
1E	120	21	-0	0	0	0	2	6.1	86.5	0.0	0.0	92.6	6	
1I	120	-3	-0	0	0	0	2	0.9	86.4	0.0	0.0	87.4	6	
1M	120	15	-0	0	0	0	2	4.3	86.4	0.0	0.0	90.7	6	
2	120	45	0	0	0	-5	3	12.8	328.6	0.0	0.0	341.3	1	
3	120	82	0	0	0	-3	2	23.4	205.3	0.0	0.0	228.7	1	
4	120	5	0	0	0	-3	2	1.5	205.4	0.0	0.0	206.9	1	
5	120	232	0	0	0	-3	2	66.5	205.3	0.0	0.0	271.8	1	
6	120	15	-0	0	0	-1	3	4.3	156.7	0.0	0.0	161.0	6	
7	120	93	-0	0	0	-1	2	26.7	98.0	0.0	0.0	124.7	6	
8	120	-12	-0	0	0	-1	2	3.3	98.1	0.0	0.0	101.4	6	
9	120	271	-0	0	0	-1	2	77.7	97.9	0.0	0.0	175.7	6	
10	120	29	0	0	0	-5	3	8.4	328.5	0.0	0.0	336.9	1	
11	120	72	0	0	0	-3	2	20.6	205.3	0.0	0.0	225.9	1	
12	120	-5	0	0	0	-3	2	1.3	205.4	0.0	0.0	206.7	1	
13	120	213	0	0	0	-3	2	60.9	205.3	0.0	0.0	266.2	1	
14	120	14	-0	0	0	-1	3	4.1	165.4	0.0	0.0	169.5	6	
15	120	93	-0	0	0	-1	2	26.8	98.0	0.0	0.0	124.8	6	
16	120	-12	-0	0	0	-1	2	3.3	98.1	0.0	0.0	101.4	6	
17	120	255	-0	0	0	-1	2	73.2	98.0	0.0	0.0	171.1	6	
1A	239	-8	-3	0	0	-0	-0	2.4	1.5	2.4	0.0	4.9	5	
1E	239	23	-3	0	0	-0	-0	6.6	1.5	2.4	0.0	8.2	4	
1I	239	-2	-3	0	0	-0	-0	0.5	1.6	2.4	0.0	4.2	5	
1M	239	16	-3	0	0	-0	-0	4.7	1.6	2.4	0.0	6.6	4	
2	239	44	-5	-9	0	0	-0	12.7	1.2	7.3	0.0	19.1	4	
3	239	81	-3	-6	0	0	-0	23.3	0.6	4.6	0.0	25.1	4	
4	239	5	-3	-6	0	0	-0	1.4	0.5	4.6	0.0	8.8	4	
5	239	232	-3	-6	0	0	-0	66.4	0.7	4.6	0.0	67.2	4	
6	239	17	-4	-2	0	-0	-0	4.8	2.1	3.6	0.0	8.6	4	
7	239	94	-3	-1	0	-0	-0	27.0	1.2	2.3	0.0	28.2	6	
8	239	-11	-3	-1	0	-0	-0	3.0	1.1	2.3	0.0	5.4	4	
9	239	272	-3	-1	0	-0	-0	78.0	1.3	2.3	0.0	79.3	6	
10	239	29	-5	-9	0	0	-0	8.3	1.3	7.3	0.0	16.4	4	
11	239	72	-3	-6	0	0	-0	20.6	0.7	4.6	0.0	22.5	4	
12	239	-5	-3	-6	0	0	-0	1.4	0.5	4.6	0.0	8.8	4	
13	239	212	-3	-6	0	0	-0	60.8	0.7	4.6	0.0	61.7	4	
14	239	16	-5	-2	0	-0	-0	4.6	2.2	3.9	0.0	8.8	4	
15	239	94	-3	-1	0	-0	-0	27.1	1.2	2.3	0.0	28.3	6	
16	239	-11	-3	-1	0	-0	-0	3.0	1.1	2.3	0.0	5.4	4	
17	239	256	-3	-1	0	-0	-0	73.4	1.3	2.3	0.0	74.7	6	

ASTA NUM. 43 NI 117 NF 113 Lungh. 125.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7746	0.1936	--	--	2.4061	3.3743 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	6	1	0	0	0	0	1.6	1.9	1.2	0.0	3.5	1	
1E	0	22	1	0	0	0	0	6.4	1.9	1.2	0.0	8.3	1	
1I	0	8	1	0	0	0	0	2.2	1.9	1.2	0.0	4.1	1	
1M	0	20	1	0	0	0	0	5.8	1.9	1.2	0.0	7.7	1	
2	0	18	3	5	0	0	0	5.2	2.9	3.9	0.0	9.8	4	
3	0	60	2	3	0	0	0	17.1	1.6	2.5	0.0	18.8	1	
4	0	-9	2	3	0	0	0	2.6	1.6	2.5	0.0	5.7	4	
5	0	195	2	3	0	0	0	55.9	1.6	2.5	0.0	57.6	1	
6	0	15	2	1	0	0	0	4.2	3.1	1.9	0.0	7.3	1	
7	0	85	1	1	0	0	0	24.2	1.7	1.2	0.0	25.9	1	
8	0	-10	1	1	0	0	0	2.9	1.8	1.2	0.0	4.6	1	
9	0	245	1	1	0	0	0	70.1	1.8	1.2	0.0	71.8	1	
10	0	2	3	5	0	0	0	0.7	3.2	4.0	0.0	7.7	4	
11	0	50	2	3	0	0	0	14.3	1.8	2.5	0.0	16.2	1	
12	0	-19	2	3	0	0	0	5.5	1.9	2.5	0.0	7.8	4	
13	0	177	2	3	0	0	0	50.6	1.9	2.5	0.0	52.4	1	
14	0	16	2	1	0	0	0	4.5	3.2	2.0	0.0	7.7	1	
15	0	85	1	1	0	0	0	24.2	1.7	1.2	0.0	26.0	1	
16	0	-10	1	1	0	0	0	3.0	1.8	1.2	0.0	4.8	1	
17	0	230	1	1	0	0	0	66.0	1.8	1.2	0.0	67.8	1	
1A	63	6	-0	0	0	-0	0	1.8	24.1	0.0	0.0	26.0	6	
1E	63	23	-0	0	0	-0	0	6.6	24.1	0.0	0.0	30.8	6	
1I	63	8	-0	0	0	-0	0	2.4	24.2	0.0	0.0	26.6	6	
1M	63	21	-0	0	0	-0	0	6.0	24.2	0.0	0.0	30.2	6	
2	63	18	-0	0	0	-1	1	5.1	92.4	0.1	0.0	97.5	1	
3	63	60	-0	0	0	-1	1	17.1	57.8	0.1	0.0	74.9	1	
4	63	-9	-0	0	0	-1	1	2.7	57.8	0.1	0.0	60.4	1	
5	63	195	-0	0	0	-1	1	55.9	57.7	0.1	0.0	113.6	1	
6	63	16	-0	0	0	-0	1	4.5	44.2	0.1	0.0	48.7	6	
7	63	85	-0	0	0	-0	0	24.4	27.6	0.0	0.0	52.0	6	
8	63	-9	-0	0	0	-0	0	2.7	27.7	0.0	0.0	30.4	6	
9	63	245	-0	0	0	-0	0	70.2	27.5	0.0	0.0	97.7	6	
10	63	2	-0	0	0	-1	1	0.6	92.4	0.1	0.0	93.1	1	
11	63	50	-0	0	0	-1	1	14.3	57.8	0.1	0.0	72.1	1	
12	63	-19	-0	0	0	-1	1	5.5	57.8	0.1	0.0	63.3	1	
13	63	176	-0	0	0	-1	1	50.5	57.7	0.1	0.0	108.2	1	
14	63	16	-0	0	0	-0	1	4.7	46.6	0.1	0.0	51.3	6	
15	63	85	-0	0	0	-0	0	24.4	27.6	0.0	0.0	52.0	6	
16	63	-10	-0	0	0	-0	0	2.8	27.7	0.0	0.0	30.5	6	

17	63	231	-0	0	0	-0	0	66.1	27.5	0.0	0.0	93.6	6
1A	125	7	-2	0	0	-0	-0	2.1	2.1	1.3	0.0	4.2	1
1E	125	24	-2	0	0	-0	-0	6.9	2.1	1.3	0.0	9.0	1
1I	125	9	-2	0	0	-0	-0	2.6	2.1	1.3	0.0	4.8	1
1M	125	22	-2	0	0	-0	-0	6.3	2.1	1.3	0.0	8.4	1
2	125	18	-3	-5	0	-0	0	5.1	4.4	3.8	0.0	9.9	4
3	125	60	-2	-3	0	-0	0	17.1	2.7	2.4	0.0	19.8	1
4	125	-9	-2	-3	0	-0	0	2.7	2.8	2.4	0.0	5.9	4
5	125	195	-2	-3	0	-0	0	55.8	2.7	2.4	0.0	58.5	1
6	125	16	-2	-1	0	-0	-0	4.7	3.7	1.9	0.0	8.3	1
7	125	86	-1	-1	0	-0	-0	24.5	2.2	1.2	0.0	26.7	1
8	125	-9	-1	-1	0	-0	-0	2.6	2.2	1.2	0.0	4.8	1
9	125	246	-1	-1	0	-0	-0	70.3	2.3	1.2	0.0	72.6	1
10	125	2	-3	-5	0	-0	0	0.6	4.5	3.8	0.0	7.6	4
11	125	50	-2	-3	0	-0	0	14.3	2.8	2.4	0.0	17.1	1
12	125	-19	-2	-3	0	-0	0	5.6	2.9	2.4	0.0	8.4	1
13	125	176	-2	-3	0	-0	0	50.5	2.8	2.4	0.0	53.3	1
14	125	17	-2	-1	0	-0	-0	5.0	3.8	2.1	0.0	8.7	1
15	125	86	-1	-1	0	-0	-0	24.5	2.2	1.2	0.0	26.8	1
16	125	-9	-1	-1	0	-0	-0	2.7	2.3	1.2	0.0	4.9	1
17	125	231	-1	-1	0	-0	-0	66.2	2.3	1.2	0.0	68.5	1

ASTA NUM. 44 NI 117 NF 109 Lungh. 125.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7746	0.1936	--	--	2.4061	3.3743 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-8	1	-0	0	-0	0	2.3	1.8	1.2	0.0	4.1	1	
1E	0	9	1	-0	0	-0	0	2.5	1.8	1.2	0.0	4.4	1	
1I	0	-6	1	-0	0	-0	0	1.7	1.8	1.2	0.0	3.5	1	
1M	0	7	1	-0	0	-0	0	2.0	1.8	1.2	0.0	3.8	1	
2	0	-31	3	-5	0	-0	0	8.8	2.9	3.9	0.0	12.5	4	
3	0	-67	2	-3	0	-0	0	19.3	1.6	2.5	0.0	21.0	1	
4	0	2	2	-3	0	-0	0	0.5	1.6	2.5	0.0	4.8	4	
5	0	-203	2	-3	0	-0	0	58.1	1.7	2.5	0.0	59.8	1	
6	0	-4	2	-1	0	-0	0	1.0	3.0	1.9	0.0	4.2	4	
7	0	-77	1	-1	0	-0	0	22.1	1.7	1.2	0.0	23.8	1	
8	0	17	1	-1	0	-0	0	5.0	1.7	1.2	0.0	6.6	1	
9	0	-237	1	-1	0	-0	0	68.0	1.9	1.2	0.0	69.8	1	
10	0	-16	3	-5	0	-0	0	4.4	3.2	3.9	0.0	9.5	4	
11	0	-58	2	-3	0	-0	0	16.6	1.8	2.5	0.0	18.4	1	
12	0	11	2	-3	0	-0	0	3.3	1.8	2.5	0.0	6.1	4	
13	0	-184	2	-3	0	-0	0	52.8	1.9	2.5	0.0	54.7	1	
14	0	-3	2	-1	0	-0	0	0.8	3.1	2.0	0.0	4.2	4	
15	0	-77	1	-1	0	-0	0	22.1	1.7	1.2	0.0	23.9	1	
16	0	18	1	-1	0	-0	0	5.1	1.7	1.2	0.0	6.8	1	
17	0	-223	1	-1	0	-0	0	63.8	1.9	1.2	0.0	65.7	1	
1A	63	-7	-0	-0	0	0	0	2.0	24.2	0.0	0.0	26.2	6	
1E	63	10	-0	-0	0	0	0	2.8	24.2	0.0	0.0	26.9	6	
1I	63	-5	-0	-0	0	0	0	1.4	24.2	0.0	0.0	25.6	6	
1M	63	8	-0	-0	0	0	0	2.2	24.2	0.0	0.0	26.4	6	
2	63	-31	-0	-0	0	1	1	8.8	92.3	0.1	0.0	101.1	1	
3	63	-68	-0	-0	0	1	1	19.3	57.6	0.0	0.0	77.0	1	
4	63	2	-0	-0	0	1	1	0.5	57.6	0.0	0.0	58.0	1	
5	63	-203	-0	-0	0	1	1	58.1	57.6	0.0	0.0	115.7	1	
6	63	-3	-0	-0	0	0	1	0.8	44.1	0.1	0.0	44.9	6	
7	63	-77	-0	-0	0	0	0	22.0	27.6	0.0	0.0	49.6	6	
8	63	18	-0	-0	0	0	0	5.1	27.4	0.0	0.0	32.6	6	
9	63	-237	-0	-0	0	0	0	67.8	27.6	0.0	0.0	95.4	6	
10	63	-16	-0	-0	0	1	1	4.5	92.3	0.1	0.0	96.8	1	
11	63	-58	-0	-0	0	1	1	16.6	57.6	0.1	0.0	74.3	1	
12	63	11	-0	-0	0	1	1	3.2	57.6	0.0	0.0	60.8	1	
13	63	-185	-0	-0	0	1	1	52.9	57.6	0.1	0.0	110.5	1	
14	63	-2	-0	-0	0	0	1	0.5	46.5	0.1	0.0	47.0	6	
15	63	-77	-0	-0	0	0	0	22.0	27.5	0.0	0.0	49.5	6	
16	63	18	-0	-0	0	0	0	5.2	27.4	0.0	0.0	32.6	6	
17	63	-222	-0	-0	0	0	0	63.7	27.6	0.0	0.0	91.3	6	
1A	125	-6	-2	-0	0	0	-0	1.8	2.3	1.3	0.0	4.1	1	
1E	125	11	-2	-0	0	0	-0	3.0	2.3	1.3	0.0	5.4	1	
1I	125	-4	-2	-0	0	0	-0	1.2	2.2	1.3	0.0	3.5	1	
1M	125	9	-2	-0	0	0	-0	2.4	2.2	1.3	0.0	4.7	1	
2	125	-31	-3	5	0	0	0	8.9	4.1	3.8	0.0	13.0	1	
3	125	-68	-2	3	0	0	0	19.4	2.4	2.4	0.0	21.8	1	
4	125	1	-2	3	0	0	0	0.4	2.3	2.4	0.0	4.7	4	
5	125	-203	-2	3	0	0	0	58.1	2.4	2.4	0.0	60.6	1	
6	125	-2	-2	1	0	0	-0	0.5	3.5	1.9	0.0	4.1	1	
7	125	-76	-1	1	0	0	-0	21.9	1.9	1.2	0.0	23.8	1	
8	125	18	-1	1	0	0	-0	5.3	1.9	1.2	0.0	7.2	1	
9	125	-236	-1	1	0	0	-0	67.7	2.0	1.2	0.0	69.6	1	
10	125	-16	-3	5	0	0	0	4.6	4.3	3.8	0.0	9.5	4	
11	125	-58	-2	3	0	0	0	16.7	2.6	2.4	0.0	19.2	1	
12	125	11	-2	3	0	0	0	3.2	2.4	2.4	0.0	6.1	4	
13	125	-185	-2	3	0	0	0	52.9	2.5	2.4	0.0	55.4	1	
14	125	-1	-2	1	0	0	-0	0.2	3.6	2.1	0.0	4.0	4	
15	125	-76	-1	1	0	0	-0	21.9	1.9	1.2	0.0	23.8	1	
16	125	19	-1	1	0	0	-0	5.4	1.9	1.2	0.0	7.3	1	
17	125	-222	-1	1	0	0	-0	63.6	2.0	1.2	0.0	65.5	1	

ASTA NUM. 45 NI 49 NF 117 Lungh. 110.0 cm SEZ. 3 Ps L 100X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	10.7545	10.7545 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-7	6	1	0	0	0	0.5	1.6	1.2	0.0	2.2	4	
1E	0	13	6	1	0	0	0	0.9	1.6	1.2	0.0	2.6	6	
1I	0	0	6	1	0	0	0	0.0	0.9	1.2	0.0	2.1	5	
1M	0	6	6	1	0	0	0	0.4	0.9	1.2	0.0	2.2	5	
2	0	13	8	1	0	0	0	0.9	0.8	1.7	0.0	3.1	5	
3	0	9	5	1	0	0	0	0.7	1.4	1.0	0.0	2.0	6	
4	0	1	5	1	0	0	0	0.1	2.1	1.0	0.0	2.2	6	
5	0	-22	5	1	0	0	0	1.6	1.6	1.0	0.0	3.2	6	
6	0	7	8	1	0	0	0	0.5	0.8	1.7	0.0	3.0	5	
7	0	4	5	1	0	0	0	0.3	1.8	1.0	0.0	2.1	6	
8	0	-3	5	1	0	0	0	0.2	2.4	1.0	0.0	2.6	6	
9	0	-33	5	1	0	0	0	2.4	1.8	1.0	0.0	4.2	6	
10	0	-24	8	1	0	0	0	1.8	0.7	1.7	0.0	3.5	5	
11	0	-14	5	1	0	0	0	1.0	1.3	1.0	0.0	2.3	6	
12	0	-26	5	1	0	0	0	1.9	2.1	1.0	0.0	4.0	6	
13	0	-42	5	1	0	0	0	3.1	1.4	1.0	0.0	4.5	6	
14	0	-25	9	1	0	0	0	1.8	0.8	1.8	0.0	3.8	5	
15	0	-15	5	1	0	0	0	1.1	1.8	1.0	0.0	2.9	6	
16	0	-28	5	1	0	0	0	2.1	2.6	1.0	0.0	4.6	6	
17	0	-48	5	1	0	0	0	3.5	1.7	1.0	0.0	5.2	6	
1A	55	-7	-0	1	0	-0	2	0.5	10.9	0.2	0.0	11.4	6	
1E	55	13	-0	1	0	-0	2	0.9	10.9	0.2	0.0	11.8	6	
1I	55	0	-0	1	0	-0	2	0.0	10.5	0.2	0.0	10.5	6	
1M	55	6	-0	1	0	-0	2	0.4	10.5	0.2	0.0	10.9	6	
2	55	13	-0	1	0	-1	2	0.9	14.5	0.2	0.0	15.4	6	
3	55	9	-0	1	0	-0	2	0.7	9.4	0.1	0.0	10.1	6	
4	55	1	-0	1	0	-0	2	0.1	9.7	0.1	0.0	9.8	6	
5	55	-22	-0	1	0	-0	2	1.6	9.6	0.1	0.0	11.1	6	
6	55	7	-0	1	0	-1	2	0.5	14.7	0.3	0.0	15.2	6	
7	55	4	-0	1	0	-0	2	0.3	9.8	0.2	0.0	10.1	6	
8	55	-3	-0	1	0	-0	2	0.2	10.0	0.2	0.0	10.2	6	
9	55	-33	-0	1	0	-0	2	2.4	9.8	0.2	0.0	12.2	6	
10	55	-24	-0	1	0	-1	2	1.8	14.6	0.3	0.0	16.4	6	
11	55	-14	-0	1	0	-0	2	1.0	9.5	0.1	0.0	10.5	6	
12	55	-26	-0	1	0	-0	2	1.9	9.8	0.1	0.0	11.7	6	
13	55	-42	-0	1	0	-0	2	3.1	9.6	0.1	0.0	12.7	6	
14	55	-25	-0	1	0	-1	2	1.8	15.7	0.3	0.0	17.5	6	
15	55	-15	-0	1	0	-0	2	1.1	9.8	0.2	0.0	10.9	6	
16	55	-28	-0	1	0	-0	2	2.1	10.1	0.2	0.0	12.2	6	
17	55	-48	-0	1	0	-0	2	3.5	9.8	0.2	0.0	13.3	6	
1A	110	-7	-6	1	0	-1	-0	0.5	5.2	1.3	0.0	5.7	1	
1E	110	13	-6	1	0	-1	-0	0.9	5.2	1.3	0.0	6.1	1	
1I	110	0	-6	1	0	-1	-0	0.0	5.2	1.3	0.0	5.2	1	
1M	110	6	-6	1	0	-1	-0	0.4	5.2	1.3	0.0	5.6	1	
2	110	13	-8	1	0	-1	-0	0.9	6.5	1.8	0.0	7.4	1	
3	110	9	-5	1	0	-1	-0	0.7	3.7	1.1	0.0	4.4	1	
4	110	1	-6	1	0	-1	-0	0.1	3.5	1.2	0.0	3.6	1	
5	110	-22	-5	1	0	-1	0	1.6	3.6	1.1	0.0	5.2	1	
6	110	7	-8	1	0	-1	0	0.5	8.2	1.7	0.0	8.7	1	
7	110	4	-5	1	0	-1	-0	0.3	4.7	1.1	0.0	5.0	1	
8	110	-3	-6	1	0	-1	-0	0.2	4.6	1.2	0.0	4.8	1	
9	110	-33	-5	1	0	-1	0	2.4	4.7	1.1	0.0	7.1	1	
10	110	-24	-8	1	0	-1	0	1.8	7.2	1.7	0.0	9.0	1	
11	110	-14	-5	1	0	-1	0	1.0	4.2	1.1	0.0	5.2	1	
12	110	-26	-5	1	0	-1	0	1.9	4.0	1.1	0.0	5.9	1	
13	110	-42	-5	1	0	-1	0	3.1	4.0	1.1	0.0	7.1	1	
14	110	-25	-9	1	0	-1	0	1.8	8.2	1.9	0.0	10.1	1	
15	110	-15	-5	1	0	-1	0	1.1	4.6	1.1	0.0	5.8	1	
16	110	-28	-6	1	0	-1	0	2.1	4.6	1.2	0.0	6.7	1	
17	110	-48	-5	1	0	-1	0	3.5	4.6	1.1	0.0	8.1	1	

ASTA NUM. 46 NI 117 NF 50 Lungh. 110.0 cm SEZ. 3 Ps L 100X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	10.7545	10.7545 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	16	6	-1	0	-1	0	1.1	5.1	1.2	0.0	6.2	1	
1E	0	35	6	-1	0	-1	0	2.5	5.1	1.2	0.0	7.6	1	
1I	0	22	6	-1	0	-1	0	1.6	5.0	1.2	0.0	6.7	1	
1M	0	28	6	-1	0	-1	0	2.0	5.0	1.2	0.0	7.1	1	
2	0	35	8	-1	0	-1	0	2.6	6.4	1.7	0.0	9.0	1	
3	0	46	5	-1	0	-1	-0	3.3	3.7	1.0	0.0	7.1	1	
4	0	36	5	-1	0	-1	0	2.7	3.5	1.0	0.0	6.2	1	
5	0	27	5	-1	0	-1	0	1.9	3.6	1.0	0.0	5.5	1	
6	0	37	8	-1	0	-1	0	2.7	8.2	1.7	0.0	10.9	1	
7	0	58	5	-1	0	-1	-0	4.3	4.7	1.0	0.0	9.0	1	
8	0	43	5	-1	0	-1	0	3.2	4.6	1.0	0.0	7.7	1	
9	0	29	5	-1	0	-1	0	2.1	4.7	1.0	0.0	6.8	1	
10	0	5	8	-1	0	-1	0	0.4	7.2	1.7	0.0	7.6	1	
11	0	28	5	-1	0	-1	0	2.0	4.2	1.0	0.0	6.2	1	
12	0	14	5	-1	0	-1	0	1.0	4.0	1.0	0.0	5.0	1	
13	0	14	5	-1	0	-1	0	1.0	4.0	1.0	0.0	5.0	1	
14	0	5	9	-1	0	-1	0	0.4	8.2	1.8	0.0	8.6	1	
15	0	39	5	-1	0	-1	0	2.8	4.6	1.0	0.0	7.5	1	
16	0	16	5	-1	0	-1	0	1.2	4.6	1.0	0.0	5.8	1	
17	0	18	5	-1	0	-1	0	1.3	4.6	1.0	0.0	6.0	1	
1A	55	16	-0	-1	0	-0	1	1.1	9.0	0.2	0.0	10.1	6	
1E	55	35	-0	-1	0	-0	1	2.5	9.0	0.2	0.0	11.6	6	
1I	55	22	-0	-1	0	-0	1	1.6	9.4	0.2	0.0	11.0	6	
1M	55	28	-0	-1	0	-0	1	2.0	9.4	0.2	0.0	11.4	6	
2	55	35	-0	-1	0	-1	2	2.6	13.2	0.2	0.0	15.7	6	
3	55	46	-0	-1	0	-0	1	3.3	7.7	0.1	0.0	11.0	6	
4	55	36	-0	-1	0	-0	1	2.7	7.3	0.1	0.0	10.0	6	
5	55	27	-0	-1	0	-0	1	1.9	7.6	0.1	0.0	9.6	6	
6	55	37	-0	-1	0	-1	2	2.7	13.6	0.3	0.0	16.3	6	
7	55	58	-0	-1	0	-0	1	4.3	7.6	0.2	0.0	11.9	6	
8	55	43	-0	-1	0	-0	1	3.2	7.4	0.2	0.0	10.5	6	
9	55	29	-0	-1	0	-0	1	2.1	7.8	0.2	0.0	9.9	6	
10	55	5	-0	-1	0	-1	2	0.4	13.5	0.3	0.0	13.9	6	
11	55	28	-0	-1	0	-0	1	2.0	7.9	0.1	0.0	9.9	6	
12	55	14	-0	-1	0	-0	1	1.0	7.5	0.1	0.0	8.5	6	
13	55	14	-0	-1	0	-0	1	1.0	7.8	0.1	0.0	8.8	6	
14	55	5	-0	-1	0	-1	2	0.4	14.6	0.3	0.0	14.9	6	
15	55	39	-0	-1	0	-0	1	2.8	7.7	0.2	0.0	10.5	6	
16	55	16	-0	-1	0	-0	1	1.2	7.4	0.2	0.0	8.6	6	
17	55	18	-0	-1	0	-0	1	1.3	7.8	0.2	0.0	9.1	6	
1A	110	16	-6	-1	0	0	-0	1.1	2.4	1.3	0.0	3.5	6	
1E	110	35	-6	-1	0	0	-0	2.5	2.4	1.3	0.0	4.9	6	
1I	110	22	-6	-1	0	0	-0	1.6	1.6	1.3	0.0	3.3	6	
1M	110	28	-6	-1	0	0	-0	2.0	1.6	1.3	0.0	3.7	6	
2	110	35	-9	-1	0	0	-0	2.6	2.0	1.8	0.0	4.5	6	
3	110	46	-5	-1	0	0	-0	3.3	2.2	1.1	0.0	5.5	6	
4	110	36	-6	-1	0	0	-0	2.7	2.8	1.2	0.0	5.5	6	
5	110	27	-6	-1	0	0	-0	1.9	2.3	1.2	0.0	4.3	6	
6	110	37	-9	-1	0	0	-0	2.7	1.8	1.8	0.0	4.6	6	
7	110	58	-6	-1	0	0	-0	4.3	2.6	1.2	0.0	6.9	6	
8	110	43	-6	-1	0	0	-1	3.2	3.1	1.2	0.0	6.2	6	
9	110	29	-6	-1	0	0	-0	2.1	2.5	1.2	0.0	4.6	6	
10	110	5	-9	-1	0	0	-0	0.4	1.7	1.8	0.0	3.1	5	
11	110	28	-5	-1	0	0	-0	2.0	2.0	1.1	0.0	4.0	6	
12	110	14	-6	-1	0	0	-0	1.0	2.7	1.2	0.0	3.7	6	
13	110	14	-6	-1	0	0	-0	1.0	2.2	1.2	0.0	3.1	6	
14	110	5	-9	-1	0	0	-0	0.4	1.8	1.9	0.0	3.4	5	
15	110	39	-6	-1	0	0	-0	2.8	2.6	1.2	0.0	5.5	6	
16	110	16	-6	-1	0	0	-1	1.2	3.2	1.2	0.0	4.4	6	
17	110	18	-6	-1	0	0	-0	1.3	2.5	1.2	0.0	3.8	6	

ASTA NUM. 47 NI 106 NF 108 Lungh. 93.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6941	0.1735	--	--	4.1074	4.9749 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-872	2	-0	0	-0	-0	137.5	2.8	1.0	0.0	140.3	1	
1E	0	-671	2	-0	0	-0	-0	105.8	2.8	1.0	0.0	108.7	1	
1I	0	-802	2	-0	0	-0	-0	126.5	2.8	1.0	0.0	129.3	1	
1M	0	-741	2	-0	0	-0	-0	116.8	2.8	1.0	0.0	119.7	1	
2	0	-893	3	5	0	-0	-0	140.8	5.3	2.3	0.0	146.1	1	
3	0	-673	2	3	0	-0	-0	106.1	3.6	1.4	0.0	109.7	1	
4	0	-1282	2	3	0	-0	-0	202.2	3.8	1.4	0.0	206.0	1	
5	0	-621	2	3	0	-0	-0	97.9	3.5	1.4	0.0	101.4	1	
6	0	-1129	3	1	0	-0	-0	178.1	5.0	1.4	0.0	183.0	1	
7	0	-889	2	1	0	-0	-0	140.2	3.6	0.9	0.0	143.8	1	
8	0	-1602	2	1	0	-0	-0	252.7	3.7	0.9	0.0	256.3	1	
9	0	-772	2	1	0	-0	-0	121.8	3.4	0.9	0.0	125.1	1	
10	0	-1089	3	5	0	-0	-0	171.8	5.5	2.3	0.0	177.3	1	
11	0	-793	2	3	0	-0	-0	125.0	3.7	1.4	0.0	128.7	1	
12	0	-1387	2	3	0	-0	-0	218.8	4.0	1.4	0.0	222.8	1	
13	0	-737	2	3	0	-0	-0	116.3	3.6	1.4	0.0	119.9	1	
14	0	-1124	3	1	0	-0	-0	177.3	4.9	1.5	0.0	182.2	1	
15	0	-882	2	1	0	-0	-0	139.1	3.5	0.9	0.0	142.7	1	
16	0	-1571	2	1	0	-0	-0	247.8	3.8	0.9	0.0	251.6	1	
17	0	-758	2	1	0	-0	-0	119.5	3.3	0.9	0.0	122.8	1	
1A	46	-870	0	-0	0	-0	0	137.3	10.1	0.1	0.0	147.4	6	
1E	46	-670	0	-0	0	-0	0	105.6	10.1	0.1	0.0	115.7	6	
1I	46	-801	0	-0	0	-0	0	126.3	10.1	0.1	0.0	136.4	6	
1M	46	-739	0	-0	0	-0	0	116.6	10.1	0.1	0.0	126.7	6	
2	46	-892	0	-0	0	-1	1	140.6	31.6	0.1	0.0	172.3	1	
3	46	-672	0	-0	0	-1	1	106.0	20.0	0.1	0.0	126.0	1	
4	46	-1281	0	-0	0	-1	0	202.1	20.0	0.1	0.0	222.1	1	
5	46	-620	0	-0	0	-1	1	97.8	20.2	0.1	0.0	118.0	1	
6	46	-1128	0	-0	0	-0	1	177.8	17.2	0.2	0.0	195.0	6	
7	46	-888	0	-0	0	-0	0	140.0	10.9	0.1	0.0	150.9	6	
8	46	-1601	0	-0	0	-0	0	252.5	10.7	0.1	0.0	263.2	6	
9	46	-771	0	-0	0	-0	0	121.6	11.0	0.1	0.0	132.6	6	
10	46	-1088	0	-0	0	-1	1	171.6	31.5	0.1	0.0	203.1	1	
11	46	-792	0	-0	0	-1	1	124.9	19.9	0.1	0.0	144.8	1	
12	46	-1386	0	-0	0	-1	0	218.7	20.1	0.1	0.0	238.8	1	
13	46	-737	0	-0	0	-1	1	116.2	20.1	0.1	0.0	136.3	1	
14	46	-1122	0	-0	0	-0	1	177.0	17.7	0.2	0.0	194.7	6	
15	46	-881	0	-0	0	-0	0	139.0	10.7	0.1	0.0	149.7	6	
16	46	-1570	0	-0	0	-0	0	247.6	10.7	0.1	0.0	258.3	6	
17	46	-757	0	-0	0	-0	0	119.3	10.7	0.1	0.0	130.1	6	
1A	93	-869	-2	-0	0	-0	0	137.1	3.4	0.8	0.0	140.4	6	
1E	93	-668	-2	-0	0	-0	0	105.4	3.4	0.8	0.0	108.8	6	
1I	93	-799	-2	-0	0	-0	0	126.1	3.4	0.8	0.0	129.5	6	
1M	93	-738	-2	-0	0	-0	0	116.4	3.4	0.8	0.0	119.8	6	
2	93	-891	-3	-6	0	0	0	140.5	4.1	2.6	0.0	144.6	6	
3	93	-672	-2	-4	0	0	0	105.9	2.3	1.6	0.0	108.2	6	
4	93	-1280	-2	-4	0	0	0	201.9	2.2	1.6	0.0	204.1	6	
5	93	-619	-2	-4	0	-0	0	97.6	2.4	1.6	0.0	100.1	6	
6	93	-1126	-2	-2	0	-0	0	177.6	5.2	1.1	0.0	182.8	6	
7	93	-887	-2	-1	0	-0	0	139.9	3.2	0.7	0.0	143.0	6	
8	93	-1600	-2	-1	0	-0	0	252.4	3.0	0.7	0.0	255.3	6	
9	93	-770	-2	-1	0	-0	0	121.4	3.5	0.7	0.0	125.0	6	
10	93	-1087	-3	-6	0	0	0	171.5	4.5	2.6	0.0	175.9	6	
11	93	-791	-2	-4	0	0	0	124.8	2.5	1.6	0.0	127.3	6	
12	93	-1386	-2	-4	0	0	0	218.6	2.5	1.6	0.0	221.1	6	
13	93	-736	-2	-4	0	0	0	116.1	2.5	1.6	0.0	118.5	6	
14	93	-1120	-3	-2	0	0	0	176.7	4.7	1.2	0.0	181.4	6	
15	93	-880	-2	-1	0	-0	0	138.8	2.8	0.7	0.0	141.6	6	
16	93	-1569	-2	-1	0	-0	0	247.5	2.9	0.7	0.0	250.4	6	
17	93	-756	-2	-1	0	-0	0	119.2	3.1	0.7	0.0	122.3	6	

ASTA NUM. 48 NI 107 NF 108 Lungh. 93.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6941	0.1735	--	--	4.1074	4.9749 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-145	2	0	0	0	-0	22.9	2.2	1.0	0.0	25.1	1	
1E	0	55	2	0	0	0	-0	8.7	2.2	1.0	0.0	10.9	1	
1I	0	-76	2	0	0	0	-0	11.9	2.2	1.0	0.0	14.2	1	
1M	0	-14	2	0	0	0	-0	2.3	2.2	1.0	0.0	4.5	1	
2	0	-195	3	-5	0	0	-0	30.8	3.9	2.3	0.0	34.7	1	
3	0	57	2	-3	0	0	-0	8.9	1.7	1.4	0.0	10.7	1	
4	0	684	2	-3	0	0	-0	107.9	1.5	1.4	0.0	109.4	1	
5	0	-10	2	-3	0	0	-0	1.6	2.0	1.4	0.0	3.7	4	
6	0	-195	3	-1	0	0	-0	30.7	3.8	1.4	0.0	34.5	1	
7	0	152	2	-1	0	0	-0	23.9	1.5	0.9	0.0	25.5	6	
8	0	865	2	-1	0	0	-0	136.5	1.3	0.9	0.0	137.8	6	
9	0	-13	2	-1	0	0	-0	2.1	1.9	0.9	0.0	4.0	1	
10	0	-116	3	-5	0	0	-0	18.2	4.4	2.3	0.0	22.7	1	
11	0	109	2	-3	0	0	-0	17.2	2.0	1.4	0.0	19.3	1	
12	0	711	2	-3	0	0	-0	112.2	1.8	1.4	0.0	114.0	1	
13	0	47	2	-3	0	0	-0	7.4	2.2	1.4	0.0	9.7	1	
14	0	-190	3	-1	0	0	-0	29.9	3.7	1.5	0.0	33.7	1	
15	0	158	2	-1	0	0	-0	25.0	1.6	0.9	0.0	26.5	6	
16	0	832	2	-1	0	0	-0	131.3	1.3	0.9	0.0	132.6	6	
17	0	4	2	-1	0	0	-0	0.6	1.7	0.9	0.0	2.3	1	
1A	46	-144	0	0	0	0	0	22.7	9.9	0.1	0.0	32.7	6	

1E	46	57	0	0	0	0	0	8.9	9.9	0.1	0.0	18.9	6
1I	46	-74	0	0	0	0	0	11.7	9.8	0.1	0.0	21.6	6
1M	46	-13	0	0	0	0	0	2.0	9.8	0.1	0.0	11.9	6
2	46	-194	0	0	0	1	1	30.6	30.3	0.1	0.0	60.9	1
3	46	57	0	0	0	1	0	9.0	18.2	0.1	0.0	27.2	1
4	46	685	0	0	0	1	0	108.0	18.2	0.1	0.0	126.2	1
5	46	-10	0	0	0	1	0	1.5	18.6	0.1	0.0	20.1	1
6	46	-193	0	0	0	0	1	30.5	16.8	0.2	0.0	47.3	6
7	46	153	0	0	0	0	0	24.1	9.7	0.1	0.0	33.8	6
8	46	866	0	0	0	0	0	136.6	10.0	0.1	0.0	146.7	6
9	46	-12	0	0	0	0	0	1.9	10.3	0.1	0.0	12.2	6
10	46	-114	0	0	0	1	1	18.1	30.8	0.1	0.0	48.8	1
11	46	110	0	0	0	1	0	17.4	18.4	0.1	0.0	35.8	1
12	46	712	0	0	0	1	0	112.3	18.5	0.1	0.0	130.8	1
13	46	48	0	0	0	1	0	7.5	18.8	0.1	0.0	26.3	1
14	46	-188	0	0	0	0	1	29.6	17.4	0.2	0.0	47.0	6
15	46	159	0	0	0	0	0	25.1	9.6	0.1	0.0	34.7	6
16	46	833	0	0	0	0	0	131.4	9.9	0.1	0.0	141.3	6
17	46	5	0	0	0	0	0	0.8	10.0	0.1	0.0	10.7	6
1A	93	-143	-2	0	0	0	0	22.5	3.3	0.8	0.0	25.8	6
1E	93	58	-2	0	0	0	0	9.2	3.3	0.8	0.0	12.4	6
1I	93	-73	-2	0	0	0	0	11.5	3.1	0.8	0.0	14.6	6
1M	93	-12	-2	0	0	0	0	1.8	3.1	0.8	0.0	5.0	6
2	93	-193	-3	6	0	-0	0	30.4	4.1	2.5	0.0	34.6	6
3	93	58	-2	3	0	-0	0	9.2	2.4	1.6	0.0	11.5	6
4	93	686	-2	3	0	-0	0	108.1	2.3	1.6	0.0	110.5	6
5	93	-9	-2	3	0	-0	0	1.4	2.5	1.6	0.0	3.9	6
6	93	-192	-2	1	0	0	0	30.2	4.9	1.1	0.0	35.1	6
7	93	154	-2	1	0	-0	0	24.2	2.7	0.7	0.0	27.0	6
8	93	867	-2	1	0	-0	0	136.8	2.8	0.7	0.0	139.6	6
9	93	-11	-2	1	0	-0	0	1.8	2.9	0.7	0.0	4.7	6
10	93	-113	-3	6	0	-0	0	17.9	4.5	2.6	0.0	22.4	6
11	93	111	-2	4	0	-0	0	17.5	2.6	1.6	0.0	20.1	6
12	93	713	-2	3	0	-0	0	112.4	2.6	1.6	0.0	115.0	6
13	93	49	-2	3	0	-0	0	7.7	2.7	1.6	0.0	10.3	6
14	93	-186	-3	2	0	-0	0	29.4	4.7	1.2	0.0	34.1	6
15	93	160	-2	1	0	-0	0	25.3	2.7	0.7	0.0	28.0	6
16	93	834	-2	1	0	-0	0	131.6	2.7	0.7	0.0	134.3	6
17	93	6	-2	1	0	-0	0	0.9	2.8	0.7	0.0	3.7	6

ASTA NUM. 49 NI 54 NF 108 Lungh. 71.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-454	2	0	0	0	0	71.6	2.0	0.8	0.0	73.5	1	
1E	0	-444	2	0	0	0	0	70.0	2.0	0.8	0.0	71.9	1	
1I	0	-451	2	0	0	0	0	71.2	2.1	0.8	0.0	73.2	1	
1M	0	-446	2	0	0	0	0	70.4	2.1	0.8	0.0	72.5	1	
2	0	-598	3	-4	0	-0	0	94.3	0.5	1.9	0.0	94.8	1	
3	0	-299	2	-3	0	-0	0	47.2	0.9	1.2	0.0	48.1	1	
4	0	-224	2	-3	0	-0	0	35.3	1.3	1.2	0.0	36.6	1	
5	0	-381	2	-3	0	0	0	60.1	0.2	1.2	0.0	60.3	1	
6	0	-736	3	-1	0	0	0	116.1	2.4	1.2	0.0	118.5	1	
7	0	-350	2	-1	0	0	0	55.2	0.6	0.7	0.0	55.8	6	
8	0	-284	2	-1	0	0	0	44.8	1.2	0.7	0.0	45.9	6	
9	0	-484	2	-1	0	0	0	76.3	2.1	0.7	0.0	78.4	1	
10	0	-449	3	-4	0	0	0	70.8	0.6	1.9	0.0	71.4	6	
11	0	-204	2	-3	0	-0	0	32.2	0.6	1.2	0.0	32.8	1	
12	0	-130	2	-3	0	-0	0	20.5	0.9	1.2	0.0	21.4	6	
13	0	-278	2	-3	0	0	0	43.8	0.6	1.2	0.0	44.4	1	
14	0	-513	3	-1	0	0	0	80.9	1.9	1.3	0.0	82.8	1	
15	0	-208	2	-1	0	0	0	32.7	0.4	0.7	0.0	33.2	6	
16	0	-143	2	-1	0	0	0	22.5	1.1	0.7	0.0	23.6	6	
17	0	-325	2	-1	0	0	0	51.2	1.6	0.7	0.0	52.9	1	
1A	36	-454	0	0	0	0	0	71.6	7.5	0.1	0.0	79.1	6	
1E	36	-444	0	0	0	0	0	70.0	7.5	0.1	0.0	77.5	6	
1I	36	-451	0	0	0	0	0	71.2	7.5	0.1	0.0	78.7	6	
1M	36	-446	0	0	0	0	0	70.4	7.5	0.1	0.0	77.9	6	
2	36	-598	0	-0	0	1	1	94.3	17.6	0.1	0.0	111.9	1	
3	36	-299	0	-0	0	0	0	47.2	10.8	0.0	0.0	58.0	1	
4	36	-224	0	-0	0	0	0	35.3	10.9	0.0	0.0	46.2	1	
5	36	-381	0	0	0	0	0	60.1	11.2	0.0	0.0	71.3	1	
6	36	-736	0	0	0	0	1	116.1	11.9	0.1	0.0	128.1	6	
7	36	-350	0	0	0	0	0	55.2	7.2	0.0	0.0	62.5	6	
8	36	-284	0	-0	0	0	0	44.8	7.5	0.0	0.0	52.3	6	
9	36	-484	0	0	0	0	0	76.3	7.5	0.1	0.0	83.8	6	
10	36	-449	0	0	0	1	1	70.8	18.0	0.1	0.0	88.7	1	
11	36	-204	0	-0	0	0	0	32.2	11.0	0.0	0.0	43.2	1	
12	36	-130	0	-0	0	0	0	20.5	11.1	0.0	0.0	31.6	1	
13	36	-278	0	0	0	0	0	43.8	11.4	0.0	0.0	55.2	1	
14	36	-513	0	0	0	0	1	80.9	12.4	0.1	0.0	93.3	6	
15	36	-208	0	-0	0	0	0	32.7	7.2	0.0	0.0	39.9	6	
16	36	-143	0	-0	0	0	0	22.5	7.5	0.0	0.0	30.0	6	
17	36	-325	0	0	0	0	0	51.2	7.4	0.1	0.0	58.6	6	
1A	71	-454	-2	0	0	-0	0	71.6	1.5	0.8	0.0	73.1	6	
1E	71	-444	-2	0	0	-0	0	70.0	1.5	0.8	0.0	71.5	6	
1I	71	-451	-2	0	0	-0	0	71.2	1.6	0.8	0.0	72.7	6	
1M	71	-446	-2	0	0	-0	0	70.4	1.6	0.8	0.0	72.0	6	
2	71	-598	-2	4	0	-0	0	94.3	2.2	1.9	0.0	96.5	6	
3	71	-299	-1	3	0	0	0	47.2	1.3	1.1	0.0	48.6	6	
4	71	-224	-2	2	0	0	0	35.3	1.3	1.1	0.0	36.7	6	
5	71	-381	-1	3	0	0	0	60.1	1.3	1.2	0.0	61.4	6	
6	71	-736	-2	1	0	-0	0	116.1	2.6	1.1	0.0	118.7	6	
7	71	-350	-1	1	0	0	0	55.2	1.6	0.7	0.0	56.8	6	
8	71	-284	-2	1	0	0	0	44.8	1.5	0.7	0.0	46.3	6	
9	71	-484	-1	1	0	-0	0	76.3	1.6	0.7	0.0	77.8	6	
10	71	-449	-2	4	0	-0	0	70.8	2.5	1.9	0.0	73.3	6	
11	71	-204	-1	3	0	0	0	32.2	1.5	1.2	0.0	33.7	6	
12	71	-130	-2	3	0	0	0	20.5	1.5	1.2	0.0	22.0	6	
13	71	-278	-1	3	0	-0	0	43.8	1.4	1.2	0.0	45.2	6	
14	71	-513	-3	1	0	-0	0	80.9	2.7	1.2	0.0	83.5	6	
15	71	-208	-1	1	0	0	0	32.7	1.6	0.7	0.0	34.4	6	
16	71	-143	-2	1	0	0	0	22.5	1.6	0.7	0.0	24.1	6	
17	71	-325	-1	1	0	-0	0	51.2	1.6	0.7	0.0	52.8	6	

ASTA NUM. 50 NI 108 NF 53 Lungh. 71.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-611	2	-0	0	-0	0	96.3	1.8	0.8	0.0	98.1	6	
1E	0	-601	2	-0	0	-0	0	94.7	1.8	0.8	0.0	96.5	6	
1I	0	-608	2	-0	0	-0	0	95.9	1.8	0.8	0.0	97.7	6	
1M	0	-603	2	-0	0	-0	0	95.1	1.8	0.8	0.0	96.9	6	
2	0	-747	2	-4	0	-0	0	117.9	2.4	2.0	0.0	120.2	6	
3	0	-470	1	-3	0	-0	0	74.1	1.4	1.2	0.0	75.5	6	
4	0	-538	1	-3	0	-0	0	84.8	1.5	1.2	0.0	86.3	6	
5	0	-429	1	-3	0	-0	0	67.7	1.3	1.2	0.0	69.0	6	
6	0	-966	2	-1	0	-0	0	152.3	2.9	1.1	0.0	155.2	6	
7	0	-614	1	-1	0	-0	0	96.8	1.6	0.7	0.0	98.4	6	
8	0	-685	1	-1	0	-0	0	108.0	1.8	0.6	0.0	109.8	6	
9	0	-559	1	-1	0	-0	0	88.2	1.6	0.7	0.0	89.8	6	
10	0	-659	2	-4	0	-0	0	103.9	2.8	2.0	0.0	106.6	6	
11	0	-413	1	-3	0	-0	0	65.1	1.6	1.2	0.0	66.7	6	
12	0	-501	1	-3	0	-0	0	78.9	1.7	1.3	0.0	80.7	6	
13	0	-368	1	-3	0	-0	0	58.0	1.5	1.2	0.0	59.5	6	
14	0	-742	3	-1	0	-0	0	117.0	3.0	1.1	0.0	120.0	6	
15	0	-471	1	-1	0	-0	0	74.3	1.7	0.7	0.0	76.0	6	
16	0	-574	1	-1	0	-0	0	90.6	1.9	0.6	0.0	92.5	6	
17	0	-407	1	-1	0	-0	0	64.3	1.7	0.7	0.0	65.9	6	
1A	36	-611	-0	-0	0	0	0	96.3	7.3	0.1	0.0	103.6	6	
1E	36	-601	-0	-0	0	0	0	94.7	7.3	0.1	0.0	102.0	6	
1I	36	-608	-0	-0	0	0	0	95.9	7.2	0.1	0.0	103.1	6	
1M	36	-603	-0	-0	0	0	0	95.1	7.2	0.1	0.0	102.4	6	
2	36	-747	-0	-0	0	1	0	117.9	17.8	0.1	0.0	135.7	1	
3	36	-470	-0	-0	0	0	0	74.1	10.9	0.0	0.0	85.0	1	
4	36	-538	-0	-0	0	0	0	84.8	10.8	0.1	0.0	95.7	1	
5	36	-429	-0	-0	0	0	0	67.7	10.9	0.0	0.0	78.6	1	
6	36	-966	-0	-0	0	0	1	152.3	11.7	0.1	0.0	164.0	6	
7	36	-614	-0	-0	0	0	0	96.8	7.0	0.1	0.0	103.8	6	
8	36	-685	-0	-0	0	0	0	108.0	6.8	0.1	0.0	114.8	6	
9	36	-559	-0	-0	0	0	0	88.2	7.2	0.1	0.0	95.4	6	
10	36	-659	-0	-0	0	1	1	103.9	17.9	0.1	0.0	121.8	1	
11	36	-413	-0	-0	0	0	0	65.1	10.9	0.0	0.0	76.1	1	
12	36	-501	-0	-0	0	0	0	78.9	11.0	0.1	0.0	90.0	1	
13	36	-368	-0	-0	0	0	0	58.0	10.9	0.0	0.0	68.9	1	
14	36	-742	-0	-0	0	0	1	117.0	12.2	0.1	0.0	129.2	6	
15	36	-471	-0	-0	0	0	0	74.3	6.9	0.1	0.0	81.2	6	
16	36	-574	-0	-0	0	0	0	90.6	6.8	0.1	0.0	97.4	6	
17	36	-407	-0	-0	0	0	0	64.3	7.1	0.1	0.0	71.3	6	
1A	71	-611	-2	-0	0	0	0	96.3	2.4	0.8	0.0	98.7	1	
1E	71	-601	-2	-0	0	0	0	94.7	2.4	0.8	0.0	97.1	1	
1I	71	-608	-2	-0	0	0	0	95.9	2.1	0.8	0.0	98.0	1	
1M	71	-603	-2	-0	0	0	0	95.1	2.1	0.8	0.0	97.3	1	
2	71	-747	-3	4	0	0	0	117.9	0.8	1.8	0.0	118.7	1	
3	71	-470	-2	3	0	0	0	74.1	0.3	1.1	0.0	74.5	1	
4	71	-538	-2	2	0	0	-0	84.8	0.8	1.1	0.0	85.7	1	
5	71	-429	-2	3	0	0	0	67.7	0.2	1.2	0.0	67.9	1	

6	71	-966	-3	1	0	0	0	152.3	3.2	1.2	0.0	155.5	1
7	71	-614	-2	0	0	0	0	96.8	1.7	0.7	0.0	98.5	1
8	71	-685	-2	0	0	0	-0	108.0	2.0	0.8	0.0	110.1	1
9	71	-559	-2	0	0	0	0	88.2	1.7	0.7	0.0	89.9	1
10	71	-659	-3	4	0	0	0	103.9	1.0	1.8	0.0	104.9	1
11	71	-413	-2	3	0	0	0	65.1	0.5	1.1	0.0	65.6	1
12	71	-501	-2	2	0	0	-0	78.9	1.2	1.1	0.0	80.2	1
13	71	-368	-2	3	0	0	0	58.0	0.3	1.2	0.0	58.2	1
14	71	-742	-3	1	0	0	0	117.0	2.8	1.3	0.0	119.8	1
15	71	-471	-2	0	0	0	0	74.3	1.5	0.7	0.0	75.8	1
16	71	-574	-2	0	0	0	-0	90.6	2.2	0.8	0.0	92.8	1
17	71	-407	-2	1	0	0	0	64.3	1.3	0.7	0.0	65.5	1

ASTA NUM. 51 NI 105 NF 106 Lungh. 193.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6320	0.1580	--	--	4.1782	4.9682 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	562	4	0	0	-0	-0	88.6	2.0	1.9	0.0	90.6	6	
1E	0	749	4	0	0	-0	-0	118.1	2.0	1.9	0.0	120.1	6	
1I	0	627	4	0	0	-0	-0	98.8	2.0	1.9	0.0	100.8	6	
1M	0	684	4	0	0	-0	-0	107.8	2.0	1.9	0.0	109.8	6	
2	0	757	7	-11	0	-0	-0	119.3	2.5	5.0	0.0	121.8	6	
3	0	575	4	-7	0	-0	-0	90.6	1.5	3.1	0.0	92.1	6	
4	0	1108	4	-7	0	-0	-0	174.8	1.4	3.1	0.0	176.1	6	
5	0	529	4	-7	0	-0	-0	83.4	1.5	3.1	0.0	84.9	6	
6	0	958	6	-3	0	-0	-0	151.0	3.1	2.7	0.0	154.1	6	
7	0	760	4	-2	0	-0	-0	119.9	1.9	1.7	0.0	121.8	6	
8	0	1385	4	-2	0	-0	-0	218.5	1.7	1.7	0.0	220.2	6	
9	0	658	4	-2	0	-0	-0	103.8	1.9	1.7	0.0	105.7	6	
10	0	927	7	-11	0	-0	-0	146.2	2.5	5.0	0.0	148.7	6	
11	0	679	4	-7	0	-0	-0	107.0	1.5	3.1	0.0	108.6	6	
12	0	1199	4	-7	0	-0	-0	189.1	1.5	3.1	0.0	190.6	6	
13	0	631	4	-7	0	-0	-0	99.5	1.5	3.1	0.0	101.0	6	
14	0	954	6	-3	0	-0	-0	150.4	3.0	2.9	0.0	153.4	6	
15	0	755	4	-2	0	-0	-0	119.1	1.8	1.7	0.0	120.9	6	
16	0	1358	4	-2	0	-0	-0	214.2	1.7	1.7	0.0	215.9	6	
17	0	647	4	-2	0	-0	-0	102.0	1.8	1.7	0.0	103.8	6	
1A	97	564	0	0	0	-0	2	89.0	37.3	0.0	0.0	126.3	6	
1E	97	751	0	0	0	-0	2	118.5	37.3	0.0	0.0	155.8	6	
1I	97	629	0	0	0	-0	2	99.2	37.3	0.0	0.0	136.5	6	
1M	97	686	0	0	0	-0	2	108.2	37.3	0.0	0.0	145.5	6	
2	97	759	0	0	0	5	3	119.7	122.5	0.0	0.0	242.2	1	
3	97	576	0	0	0	3	2	90.8	76.3	0.0	0.0	167.1	1	
4	97	1110	0	0	0	3	2	175.0	76.2	0.0	0.0	251.2	1	
5	97	530	0	0	0	3	2	83.7	76.3	0.0	0.0	160.0	1	
6	97	961	0	0	0	1	3	151.6	62.2	0.0	0.0	213.8	6	
7	97	762	0	0	0	1	2	120.2	38.6	0.0	0.0	158.9	6	
8	97	1387	0	0	0	1	2	218.8	38.6	0.0	0.0	257.4	6	
9	97	660	0	0	0	1	2	104.1	38.7	0.0	0.0	142.8	6	
10	97	929	0	0	0	5	3	146.6	122.5	0.0	0.0	269.1	1	
11	97	680	0	0	0	3	2	107.3	76.3	0.0	0.0	183.5	1	
12	97	1201	0	0	0	3	2	189.4	76.2	0.0	0.0	265.5	1	
13	97	632	0	0	0	3	2	99.7	76.3	0.0	0.0	176.0	1	
14	97	957	0	0	0	1	3	151.0	66.0	0.0	0.0	216.9	6	
15	97	757	0	0	0	1	2	119.4	38.6	0.0	0.0	158.1	6	
16	97	1360	0	0	0	1	2	214.5	38.6	0.0	0.0	253.1	6	
17	97	649	0	0	0	1	2	102.3	38.7	0.0	0.0	141.0	6	
1A	193	567	-4	0	0	-0	0	89.4	2.2	1.8	0.0	91.6	1	
1E	193	754	-4	0	0	-0	0	118.9	2.2	1.8	0.0	121.1	1	
1I	193	632	-4	0	0	-0	0	99.6	2.2	1.8	0.0	101.8	1	
1M	193	689	-4	0	0	-0	0	108.7	2.2	1.8	0.0	110.8	1	
2	193	761	-7	11	0	-0	0	120.0	4.2	5.1	0.0	124.3	1	
3	193	577	-4	7	0	-0	-0	91.1	3.0	3.2	0.0	94.0	1	
4	193	1111	-4	7	0	-0	-0	175.2	3.1	3.2	0.0	178.3	1	
5	193	532	-4	7	0	-0	0	83.9	2.9	3.2	0.0	86.8	1	
6	193	964	-6	3	0	-0	0	152.1	3.7	2.6	0.0	155.8	1	
7	193	764	-4	2	0	-0	0	120.6	2.8	1.7	0.0	123.3	1	
8	193	1389	-4	2	0	-0	-0	219.1	2.7	1.7	0.0	221.8	1	
9	193	662	-4	2	0	-0	0	104.4	2.6	1.6	0.0	107.1	1	
10	193	932	-7	11	0	-0	0	146.9	4.2	5.1	0.0	151.2	1	
11	193	681	-4	7	0	-0	-0	107.5	2.9	3.2	0.0	110.4	1	
12	193	1202	-4	7	0	-0	-0	189.6	3.2	3.2	0.0	192.7	1	
13	193	633	-4	7	0	-0	0	99.9	2.8	3.2	0.0	102.8	1	
14	193	961	-6	3	0	-0	0	151.5	3.5	2.8	0.0	155.0	1	
15	193	759	-4	2	0	-0	-0	119.8	2.7	1.7	0.0	122.4	1	
16	193	1362	-4	2	0	-0	-0	214.8	2.8	1.7	0.0	217.6	1	
17	193	651	-4	2	0	-0	0	102.6	2.5	1.7	0.0	105.1	1	

ASTA NUM. 52 NI 104 NF 107 Lungh. 193.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6320	0.1580	--	--	4.1782	4.9682 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-74	4	-0	0	0	-0	11.7	1.9	1.9	0.0	13.6	6	
1E	0	113	4	-0	0	0	-0	17.8	1.9	1.9	0.0	19.7	6	
1I	0	-9	4	-0	0	0	-0	1.5	1.9	1.9	0.0	3.7	4	
1M	0	48	4	-0	0	0	-0	7.5	1.9	1.9	0.0	9.5	6	
2	0	146	7	11	0	0	-0	23.0	2.2	5.0	0.0	25.6	4	
3	0	-64	4	7	0	0	-0	10.1	1.1	3.1	0.0	12.0	4	
4	0	-613	4	7	0	0	-0	96.7	1.2	3.1	0.0	97.9	6	
5	0	-6	4	7	0	0	-0	1.0	1.2	3.1	0.0	6.1	4	
6	0	140	6	3	0	0	-0	22.1	3.0	2.7	0.0	25.0	6	
7	0	-150	4	2	0	0	-0	23.7	1.5	1.7	0.0	25.2	6	
8	0	-775	4	2	0	0	-0	122.3	1.7	1.7	0.0	124.0	6	
9	0	-7	4	2	0	0	-0	1.2	1.7	1.7	0.0	3.5	4	
10	0	75	7	11	0	0	-0	11.8	2.4	5.0	0.0	15.8	4	
11	0	-111	4	7	0	0	-0	17.5	1.3	3.1	0.0	18.9	4	
12	0	-638	4	7	0	0	-0	100.6	1.3	3.1	0.0	102.0	6	
13	0	-57	4	7	0	0	-0	9.0	1.3	3.1	0.0	11.2	4	
14	0	136	6	3	0	0	-0	21.4	2.9	2.9	0.0	24.3	6	
15	0	-156	4	2	0	0	-0	24.5	1.4	1.7	0.0	25.9	6	
16	0	-746	4	2	0	0	-0	117.6	1.6	1.7	0.0	119.2	6	
17	0	-21	4	2	0	0	-0	3.4	1.6	1.7	0.0	5.0	6	
1A	97	-72	0	-0	0	0	2	11.3	37.3	0.0	0.0	48.6	6	
1E	97	115	0	-0	0	0	2	18.2	37.3	0.0	0.0	55.5	6	
1I	97	-7	0	-0	0	0	2	1.1	37.3	0.0	0.0	38.4	6	
1M	97	50	0	-0	0	0	2	7.9	37.3	0.0	0.0	45.2	6	
2	97	148	0	-0	0	-5	3	23.4	123.5	0.0	0.0	146.9	1	
3	97	-63	0	-0	0	-3	2	9.9	77.6	0.0	0.0	87.5	1	
4	97	-612	0	-0	0	-3	2	96.5	77.7	0.0	0.0	174.2	1	
5	97	-5	0	-0	0	-3	2	0.8	77.5	0.0	0.0	78.3	1	
6	97	143	0	-0	0	-1	3	22.6	62.8	0.0	0.0	85.4	6	
7	97	-148	0	-0	0	-1	2	23.4	39.7	0.0	0.0	63.1	6	
8	97	-773	0	-0	0	-1	2	122.0	39.6	0.0	0.0	161.6	6	
9	97	-5	0	-0	0	-1	2	0.9	39.5	0.0	0.0	40.3	6	
10	97	77	0	-0	0	-5	3	12.2	123.2	0.0	0.0	135.3	1	
11	97	-110	0	-0	0	-3	2	17.3	77.4	0.0	0.0	94.7	1	
12	97	-637	0	-0	0	-3	2	100.4	77.6	0.0	0.0	178.0	1	
13	97	-56	0	-0	0	-3	2	8.8	77.3	0.0	0.0	86.1	1	
14	97	139	0	-0	0	-1	3	22.0	66.5	0.0	0.0	88.5	6	
15	97	-153	0	-0	0	-1	2	24.2	39.7	0.0	0.0	63.9	6	
16	97	-744	0	-0	0	-1	2	117.3	39.7	0.0	0.0	157.0	6	
17	97	-19	0	-0	0	-1	2	3.1	39.5	0.0	0.0	42.5	6	
1A	193	-69	-4	-0	0	0	0	10.9	1.4	1.8	0.0	12.3	1	
1E	193	118	-4	-0	0	0	0	18.6	1.4	1.8	0.0	20.0	1	
1I	193	-4	-4	-0	0	0	0	0.6	1.5	1.8	0.0	3.3	5	
1M	193	53	-4	-0	0	0	0	8.4	1.5	1.8	0.0	9.8	1	
2	193	150	-6	-11	0	0	0	23.7	3.1	5.1	0.0	26.9	1	
3	193	-61	-4	-7	0	0	0	9.7	1.3	3.2	0.0	11.8	4	
4	193	-611	-4	-7	0	0	0	96.3	1.3	3.2	0.0	97.6	1	
5	193	-4	-4	-7	0	0	0	0.6	1.5	3.2	0.0	6.0	4	
6	193	147	-6	-3	0	0	0	23.1	2.9	2.6	0.0	26.0	1	
7	193	-146	-4	-2	0	0	0	23.1	1.2	1.6	0.0	24.2	6	
8	193	-771	-4	-2	0	0	0	121.6	1.3	1.6	0.0	123.0	6	
9	193	-3	-4	-2	0	0	0	0.5	1.3	1.6	0.0	3.1	4	
10	193	79	-6	-11	0	0	0	12.5	3.5	5.1	0.0	16.8	4	
11	193	-108	-4	-7	0	0	0	17.1	1.6	3.2	0.0	18.7	4	
12	193	-635	-4	-7	0	0	0	100.2	1.5	3.2	0.0	101.7	1	
13	193	-54	-4	-7	0	0	0	8.6	1.7	3.2	0.0	11.0	4	
14	193	143	-6	-3	0	0	0	22.5	2.7	2.8	0.0	25.3	1	
15	193	-151	-4	-2	0	0	0	23.9	1.0	1.6	0.0	24.9	6	
16	193	-742	-4	-2	0	0	0	117.0	1.2	1.6	0.0	118.2	6	
17	193	-17	-4	-2	0	0	0	2.7	1.1	1.6	0.0	4.4	4	

ASTA NUM. 53 NI 102 NF 104 Lungh. 209.8 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5501	0.1375	--	--	3.3974	4.0851 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-109	4	-0	0	0	-0	21.7	0.9	1.9	0.0	22.6	6	
1E	0	70	4	-0	0	0	-0	13.9	0.9	1.9	0.0	14.8	6	
1I	0	-47	4	-0	0	0	-0	9.3	0.9	1.9	0.0	10.2	6	
1M	0	8	4	-0	0	0	-0	1.5	0.9	1.9	0.0	3.7	5	

2	0	-129	6	-12	0	0	-0	25.6	0.9	6.5	0.0	28.3	4
3	0	55	4	-8	0	0	-0	11.0	0.5	4.0	0.0	13.2	4
4	0	537	4	-8	0	0	-0	106.5	0.4	4.0	0.0	106.9	4
5	0	5	4	-8	0	0	-0	0.9	0.5	4.0	0.0	7.2	4
6	0	-125	5	-3	0	0	-0	24.8	1.2	2.8	0.0	26.0	6
7	0	130	3	-2	0	0	-0	25.8	0.7	1.7	0.0	26.5	6
8	0	678	3	-2	0	0	-0	134.5	0.6	1.7	0.0	135.1	6
9	0	5	3	-2	0	0	-0	1.0	0.7	1.7	0.0	3.4	4
10	0	-66	6	-12	0	0	-0	13.0	0.8	6.5	0.0	17.6	4
11	0	97	4	-8	0	0	-0	19.2	0.5	4.0	0.0	20.7	4
12	0	559	4	-8	0	0	-0	110.9	0.4	4.0	0.0	111.3	4
13	0	50	4	-8	0	0	-0	9.9	0.5	4.0	0.0	12.3	4
14	0	-122	6	-3	0	0	-0	24.2	1.2	3.0	0.0	25.4	6
15	0	135	3	-2	0	0	-0	26.7	0.7	1.7	0.0	27.4	6
16	0	652	3	-2	0	0	-0	129.4	0.6	1.7	0.0	130.0	6
17	0	17	3	-2	0	0	-0	3.4	0.7	1.7	0.0	4.9	4
1A	105	-107	0	-0	0	0	2	21.3	42.1	0.0	0.0	63.4	6
1E	105	72	0	-0	0	0	2	14.3	42.1	0.0	0.0	56.4	6
1I	105	-45	0	-0	0	0	2	8.9	42.1	0.0	0.0	51.0	6
1M	105	10	0	-0	0	0	2	1.9	42.1	0.0	0.0	44.1	6
2	105	-127	0	0	0	6	3	25.3	169.5	0.0	0.0	194.8	1
3	105	56	0	0	0	4	2	11.2	105.7	0.0	0.0	116.8	1
4	105	538	0	0	0	4	2	106.7	105.6	0.0	0.0	212.3	1
5	105	6	0	0	0	4	2	1.1	105.7	0.0	0.0	106.8	1
6	105	-122	0	-0	0	2	3	24.2	75.1	0.0	0.0	99.4	6
7	105	132	0	0	0	1	2	26.1	46.7	0.0	0.0	72.9	6
8	105	680	0	0	0	1	2	134.9	46.7	0.0	0.0	181.6	6
9	105	7	0	-0	0	1	2	1.3	46.8	0.0	0.0	48.1	6
10	105	-64	0	-0	0	6	3	12.7	169.7	0.0	0.0	182.4	1
11	105	98	0	0	0	4	2	19.4	105.8	0.0	0.0	125.2	1
12	105	560	0	0	0	4	2	111.1	105.7	0.0	0.0	216.8	1
13	105	51	0	0	0	4	2	10.0	105.8	0.0	0.0	115.9	1
14	105	-119	0	-0	0	2	3	23.6	79.3	0.0	0.0	102.9	6
15	105	136	0	0	0	1	2	27.0	46.7	0.0	0.0	73.7	6
16	105	654	0	0	0	1	2	129.8	46.7	0.0	0.0	176.4	6
17	105	19	0	0	0	1	2	3.7	46.8	0.0	0.0	50.5	6
1A	210	-105	-4	-0	0	0	-0	20.8	0.8	1.9	0.0	21.6	1
1E	210	74	-4	-0	0	0	-0	14.7	0.8	1.9	0.0	15.5	1
1I	210	-43	-4	-0	0	0	-0	8.5	0.8	1.9	0.0	9.4	5
1M	210	12	-4	-0	0	0	-0	2.3	0.8	1.9	0.0	4.2	5
2	210	-126	-6	12	0	0	0	25.0	0.5	6.5	0.0	27.6	4
3	210	57	-4	8	0	-0	-0	11.3	0.1	4.0	0.0	13.4	4
4	210	539	-4	8	0	-0	-0	106.9	0.3	4.0	0.0	107.2	4
5	210	7	-4	8	0	-0	0	1.3	0.1	4.0	0.0	7.2	4
6	210	-120	-5	3	0	0	0	23.7	1.3	2.8	0.0	25.0	1
7	210	133	-3	2	0	0	-0	26.5	0.2	1.7	0.0	26.7	4
8	210	681	-3	2	0	0	-0	135.2	0.3	1.7	0.0	135.5	6
9	210	8	-3	2	0	0	0	1.6	0.4	1.7	0.0	3.6	4
10	210	-63	-6	12	0	0	0	12.4	0.8	6.4	0.0	17.1	4
11	210	99	-4	8	0	0	0	19.6	0.0	4.0	0.0	20.9	4
12	210	561	-4	8	0	-0	-0	111.3	0.2	4.0	0.0	111.6	4
13	210	52	-4	8	0	0	0	10.2	0.1	4.0	0.0	12.5	4
14	210	-116	-6	3	0	0	0	23.0	1.2	3.0	0.0	24.2	1
15	210	138	-3	2	0	0	-0	27.4	0.2	1.7	0.0	27.6	4
16	210	656	-3	2	0	0	-0	130.1	0.3	1.7	0.0	130.4	6
17	210	20	-3	2	0	0	-0	4.1	0.3	1.7	0.0	5.2	4

ASTA NUM. 54 NI 103 NF 105 Lungh. 209.8 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5501	0.1375	--	--	3.3974	4.0851 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--	cm	daN		daN*m			daN/cmq						
1A	0	-667	4	0	0	-0	-0	132.3	0.9	1.9	0.0	133.3	6	
1E	0	-488	4	0	0	-0	-0	96.8	0.9	1.9	0.0	97.7	6	
1I	0	-605	4	0	0	-0	-0	120.0	0.9	1.9	0.0	120.9	6	
1M	0	-550	4	0	0	-0	-0	109.1	0.9	1.9	0.0	110.1	6	
2	0	-665	6	12	0	-0	-0	131.8	0.9	6.5	0.0	132.8	6	
3	0	-505	4	8	0	-0	-0	100.2	0.6	4.0	0.0	100.7	6	
4	0	-973	4	8	0	-0	-0	193.0	0.7	4.0	0.0	193.6	6	
5	0	-465	4	8	0	-0	-0	92.2	0.6	4.0	0.0	92.8	6	
6	0	-842	5	3	0	-0	-0	167.0	1.3	2.8	0.0	168.4	6	
7	0	-669	3	2	0	-0	-0	132.7	0.8	1.8	0.0	133.5	6	
8	0	-1216	3	2	0	-0	-0	241.3	0.9	1.8	0.0	242.2	6	
9	0	-579	3	2	0	-0	-0	114.8	0.8	1.8	0.0	115.6	6	
10	0	-813	6	12	0	-0	-0	161.3	1.0	6.5	0.0	162.3	6	
11	0	-596	4	8	0	-0	-0	118.2	0.6	4.0	0.0	118.7	6	
12	0	-1052	4	8	0	-0	-0	208.7	0.7	4.0	0.0	209.4	6	
13	0	-554	4	8	0	-0	-0	109.8	0.6	4.0	0.0	110.4	6	
14	0	-839	6	3	0	-0	-0	166.4	1.3	3.0	0.0	167.8	6	
15	0	-664	3	2	0	-0	-0	131.8	0.8	1.8	0.0	132.5	6	
16	0	-1193	3	2	0	-0	-0	236.7	0.9	1.8	0.0	237.6	6	
17	0	-569	3	2	0	-0	-0	112.8	0.8	1.8	0.0	113.6	6	
1A	105	-665	0	0	0	-0	2	131.9	42.3	0.0	0.0	174.2	6	
1E	105	-486	0	0	0	-0	2	96.3	42.3	0.0	0.0	138.6	6	
1I	105	-602	0	0	0	-0	2	119.5	42.3	0.0	0.0	161.8	6	
1M	105	-548	0	0	0	-0	2	108.7	42.3	0.0	0.0	151.0	6	
2	105	-663	0	0	0	-6	3	131.5	170.0	0.0	0.0	301.5	1	
3	105	-504	0	0	0	-4	2	100.0	106.3	0.0	0.0	206.3	1	
4	105	-972	0	0	0	-4	2	192.8	106.4	0.0	0.0	299.1	1	
5	105	-464	0	0	0	-4	2	92.1	106.3	0.0	0.0	198.4	1	
6	105	-839	0	0	0	-2	3	166.5	75.3	0.0	0.0	241.9	6	
7	105	-667	0	0	0	-1	2	132.3	47.2	0.0	0.0	179.6	6	
8	105	-1214	0	0	0	-1	2	241.0	47.2	0.0	0.0	288.2	6	
9	105	-577	0	0	0	-1	2	114.5	47.2	0.0	0.0	161.7	6	
10	105	-812	0	0	0	-6	3	161.0	170.0	0.0	0.0	331.0	1	
11	105	-595	0	0	0	-4	2	118.0	106.3	0.0	0.0	224.3	1	
12	105	-1051	0	0	0	-4	2	208.5	106.4	0.0	0.0	314.9	1	
13	105	-553	0	0	0	-4	2	109.6	106.3	0.0	0.0	215.9	1	
14	105	-836	0	0	0	-2	3	165.9	79.5	0.0	0.0	245.4	6	
15	105	-662	0	0	0	-1	2	131.4	47.2	0.0	0.0	178.6	6	
16	105	-1191	0	0	0	-1	2	236.3	47.3	0.0	0.0	283.6	6	
17	105	-567	0	0	0	-1	2	112.5	47.1	0.0	0.0	159.6	6	
1A	210	-663	-4	0	0	-0	0	131.5	1.4	1.9	0.0	132.8	1	
1E	210	-483	-4	0	0	-0	0	95.9	1.4	1.9	0.0	97.3	1	
1I	210	-600	-4	0	0	-0	0	119.1	1.3	1.9	0.0	120.4	1	
1M	210	-546	-4	0	0	-0	0	108.3	1.3	1.9	0.0	109.6	1	
2	210	-661	-6	-12	0	-0	0	131.2	1.4	6.4	0.0	132.7	1	
3	210	-503	-4	-8	0	-0	0	99.8	1.1	4.0	0.0	100.9	1	
4	210	-971	-4	-8	0	-0	0	192.6	1.3	4.0	0.0	193.8	1	
5	210	-463	-4	-8	0	-0	0	91.9	1.2	4.0	0.0	93.0	1	
6	210	-837	-5	-3	0	-0	0	166.0	2.0	2.8	0.0	168.0	1	
7	210	-665	-3	-2	0	-0	0	132.0	1.6	1.7	0.0	133.6	1	
8	210	-1213	-3	-2	0	-0	0	240.7	1.7	1.7	0.0	242.4	1	
9	210	-575	-3	-2	0	-0	0	114.2	1.6	1.7	0.0	115.8	1	
10	210	-810	-6	-12	0	-0	0	160.7	1.4	6.4	0.0	162.1	1	
11	210	-594	-4	-8	0	-0	0	117.8	1.1	4.0	0.0	118.9	1	
12	210	-1050	-4	-8	0	-0	0	208.3	1.3	4.0	0.0	209.6	1	
13	210	-552	-4	-8	0	-0	0	109.4	1.1	4.0	0.0	110.6	1	
14	210	-833	-6	-3	0	-0	0	165.3	1.9	3.0	0.0	167.2	1	
15	210	-661	-3	-2	0	-0	0	131.1	1.6	1.7	0.0	132.7	1	
16	210	-1189	-3	-2	0	-0	0	235.9	1.7	1.7	0.0	237.6	1	
17	210	-565	-3	-2	0	-0	0	112.2	1.5	1.7	0.0	113.7	1	

ASTA NUM. 55 NI 100 NF 103 Lungh. 229.9 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5201	0.1300	--	--	3.4258	4.0759 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--	cm	daN		daN*m			daN/cmq						
1A	0	420	4	0	0	0	-0	83.3	1.3	2.1	0.0	84.6	6	
1E	0	597	4	0	0	0	-0	118.5	1.3	2.1	0.0	119.8	6	
1I	0	482	4	0	0	0	-0	95.5	1.3	2.1	0.0	96.9	6	
1M	0	535	4	0	0	0	-0	106.2	1.3	2.1	0.0	107.6	6	
2	0	587	6	-13	0	0	-0	116.4	1.4	7.1	0.0	117.8	6	
3	0	447	4	-8	0	0	-0	88.7	0.8	4.4	0.0	89.5	6	
4	0	866	4	-8	0	0	-0	171.9	0.7	4.4	0.0	172.6	6	
5	0	411	4	-8	0	0	-0	81.6	0.8	4.4	0.0	82.4	6	
6	0	743	6	-3	0	0	-0	147.3	1.9	3.1	0.0	149.2	6	
7	0	592	4	-2	0	0	-0	117.4	1.1	1.9	0.0	118.6	6	
8	0	1083	4	-2	0	0	-0	214.9	1.0	1.9	0.0	215.9	6	
9	0	511	4	-2	0	0	-0	101.5	1.2	1.9	0.0	102.6	6	
10	0	719	6	-13	0	0	-0	142.7	1.4	7.1	0.0	144.2	6	
11	0	528	4	-8	0	0	-0	104.8	0.9	4.4	0.0	105.6	6	
12	0	938	4	-8	0	0	-0	186.0	0.8	4.4	0.0	186.8	6	
13	0	490	4	-8	0	0	-0	97.3	0.9	4.4	0.0	98.1	6	
14	0	739	6	-3	0	0	-0	146.6	1.9	3.3	0.0	148.5	6	
15	0	588	4	-2	0	0	-0	116.6	1.1	1.9	0.0	117.7	6	
16	0	1062	4	-2	0	0	-0	210.7	1.0	1.9	0.0	211.7	6	
17	0	502	4	-2	0	0	-0	99.6	1.1	1.9	0.0	100.7	6	
1A	115	422	0	0	0	0	2	83.8	50.7	0.0	0.0	134.4	6	
1E	115	599	0	0	0	0	2	118.9	50.7	0.0	0.0	169.6	6	
1I	115	484	0	0	0	0	2	96.0	50.6	0.0	0.0	146.6	6	
1M	115	538	0	0	0	0	2	106.7	50.6	0.0	0.0	157.3	6	
2	115	588	0	0	0	8	4	116.7	202.9	0.0	0.0	319.6	1	
3	115	448	0	0	0	5	2	88.9	126.7	0.0	0.0	215.6	1	
4	115	867	0	0	0	5	2	172.1	126.7	0.0	0.0	298.8	1	
5	115	412	0	0	0	5	2	81.8	126.7	0.0	0.0	208.5	1	
6	115	745	0	0	0	2	3	147.9	90.0	0.0	0.0	237.9	6	
7	115	594	0	0	0	1	2	117.8	56.2	0.0	0.0	173.9	6	
8	115	1085	0	0	0	1	2	215.2	56.1	0.0	0.0	271.3	6	

9	115	513	0	0	0	1	2	101.8	56.2	0.0	0.0	158.0	6
10	115	721	0	0	0	8	4	143.0	202.9	0.0	0.0	346.0	1
11	115	529	0	0	0	5	2	105.0	126.7	0.0	0.0	231.7	1
12	115	938	0	0	0	5	2	186.2	126.7	0.0	0.0	312.9	1
13	115	491	0	0	0	5	2	97.5	126.8	0.0	0.0	224.2	1
14	115	742	0	0	0	2	3	147.2	95.1	0.0	0.0	242.2	6
15	115	589	0	0	0	1	2	117.0	56.2	0.0	0.0	173.1	6
16	115	1064	0	0	0	1	2	211.0	56.1	0.0	0.0	267.1	6
17	115	504	0	0	0	1	2	100.0	56.2	0.0	0.0	156.2	6
1A	230	424	-4	0	0	-0	0	84.2	0.2	2.1	0.0	84.4	1
1E	230	602	-4	0	0	-0	0	119.4	0.2	2.1	0.0	119.6	1
1I	230	486	-4	0	0	-0	0	96.5	0.2	2.1	0.0	96.7	1
1M	230	540	-4	0	0	-0	0	107.2	0.2	2.1	0.0	107.4	1
2	230	590	-6	13	0	-0	0	117.0	1.0	7.1	0.0	118.1	4
3	230	449	-4	8	0	-0	0	89.1	0.7	4.4	0.0	89.8	1
4	230	868	-4	8	0	-0	-0	172.3	0.8	4.4	0.0	173.1	1
5	230	413	-4	8	0	-0	0	82.0	0.7	4.4	0.0	82.7	1
6	230	748	-6	3	0	-0	0	148.5	0.6	3.0	0.0	149.1	1
7	230	595	-4	2	0	-0	0	118.1	0.5	1.9	0.0	118.6	1
8	230	1086	-4	2	0	-0	-0	215.5	0.5	1.9	0.0	216.0	1
9	230	515	-4	2	0	-0	0	102.2	0.5	1.9	0.0	102.7	1
10	230	723	-6	13	0	-0	0	143.4	1.0	7.1	0.0	144.3	1
11	230	530	-4	8	0	-0	0	105.2	0.7	4.4	0.0	105.8	1
12	230	940	-4	8	0	-0	-0	186.4	0.7	4.4	0.0	187.1	1
13	230	492	-4	8	0	-0	0	97.7	0.7	4.4	0.0	98.4	1
14	230	745	-6	3	0	-0	0	147.8	0.5	3.3	0.0	148.3	1
15	230	591	-4	2	0	-0	-0	117.3	0.5	1.9	0.0	117.8	1
16	230	1065	-4	2	0	-0	-0	211.3	0.6	1.9	0.0	211.9	1
17	230	506	-4	2	0	-0	0	100.3	0.4	1.9	0.0	100.7	1

ASTA NUM. 56 NI 101 NF 102 Lungh. 229.9 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5201	0.1300	--	--	3.4258	4.0759 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-80	4	-0	0	-0	-0	15.8	1.3	2.1	0.0	17.2	6	
1E	0	97	4	-0	0	-0	-0	19.3	1.3	2.1	0.0	20.6	6	
1I	0	-18	4	-0	0	-0	-0	3.6	1.4	2.1	0.0	5.2	4	
1M	0	36	4	-0	0	-0	-0	7.1	1.4	2.1	0.0	8.4	6	
2	0	107	6	13	0	-0	-0	21.1	1.4	7.1	0.0	24.9	4	
3	0	-55	4	8	0	-0	-0	10.9	0.8	4.4	0.0	13.6	4	
4	0	-487	4	8	0	-0	-0	96.5	0.9	4.4	0.0	97.5	6	
5	0	-10	4	8	0	-0	-0	1.9	0.9	4.4	0.0	8.1	4	
6	0	100	6	3	0	-0	-0	19.8	2.0	3.1	0.0	21.8	6	
7	0	-124	4	2	0	-0	-0	24.6	1.2	1.9	0.0	25.8	6	
8	0	-615	4	2	0	0	-0	122.0	1.2	1.9	0.0	123.3	6	
9	0	-12	4	2	0	-0	-0	2.3	1.2	1.9	0.0	4.4	4	
10	0	49	6	13	0	-0	-0	9.8	1.5	7.1	0.0	16.2	4	
11	0	-93	4	8	0	-0	-0	18.4	0.9	4.4	0.0	20.2	4	
12	0	-507	4	8	0	-0	-0	100.6	0.9	4.4	0.0	101.5	6	
13	0	-50	4	8	0	-0	-0	10.0	0.9	4.4	0.0	12.9	4	
14	0	96	6	3	0	-0	-0	19.1	2.0	3.3	0.0	21.1	6	
15	0	-128	4	2	0	-0	-0	25.5	1.1	1.9	0.0	26.6	6	
16	0	-592	4	2	0	-0	-0	117.5	1.2	1.9	0.0	118.7	6	
17	0	-23	4	2	0	0	-0	4.6	1.2	1.9	0.0	6.0	4	
1A	115	-78	0	-0	0	-0	2	15.4	50.7	0.0	0.0	66.1	6	
1E	115	100	0	-0	0	-0	2	19.8	50.7	0.0	0.0	70.5	6	
1I	115	-16	0	-0	0	-0	2	3.2	50.7	0.0	0.0	53.9	6	
1M	115	38	0	-0	0	-0	2	7.5	50.7	0.0	0.0	58.2	6	
2	115	108	0	-0	0	-8	4	21.5	203.1	0.0	0.0	224.5	1	
3	115	-54	0	-0	0	-5	2	10.7	126.9	0.0	0.0	137.6	1	
4	115	-486	0	-0	0	-5	2	96.3	127.0	0.0	0.0	223.3	1	
5	115	-9	0	-0	0	-5	2	1.7	126.9	0.0	0.0	128.6	1	
6	115	103	0	-0	0	-2	3	20.4	90.1	0.0	0.0	110.5	6	
7	115	-122	0	0	0	-1	2	24.3	56.4	0.0	0.0	80.7	6	
8	115	-613	0	0	0	-1	2	121.7	56.4	0.0	0.0	178.1	6	
9	115	-10	0	0	0	-1	2	2.0	56.3	0.0	0.0	58.3	6	
10	115	51	0	-0	0	-8	4	10.1	203.0	0.0	0.0	213.1	1	
11	115	-92	0	-0	0	-5	2	18.2	126.9	0.0	0.0	145.1	1	
12	115	-506	0	-0	0	-5	2	100.4	126.9	0.0	0.0	227.3	1	
13	115	-49	0	-0	0	-5	2	9.8	126.9	0.0	0.0	136.6	1	
14	115	99	0	-0	0	-2	3	19.7	95.2	0.0	0.0	114.8	6	
15	115	-127	0	0	0	-1	2	25.1	56.4	0.0	0.0	81.5	6	
16	115	-591	0	0	0	-1	2	117.2	56.5	0.0	0.0	173.6	6	
17	115	-21	0	0	0	-1	2	4.2	56.3	0.0	0.0	60.5	6	
1A	230	-75	-4	-0	0	0	0	14.9	0.4	2.1	0.0	15.4	4	
1E	230	102	-4	-0	0	0	0	20.2	0.4	2.1	0.0	20.6	4	
1I	230	-14	-4	-0	0	-0	0	2.7	0.4	2.1	0.0	4.5	5	
1M	230	40	-4	-0	0	-0	0	8.0	0.4	2.1	0.0	8.8	5	
2	230	110	-6	-13	0	0	0	21.8	0.9	7.1	0.0	25.4	4	
3	230	-53	-4	-8	0	0	0	10.5	0.5	4.4	0.0	13.3	4	
4	230	-485	-4	-8	0	0	0	96.1	0.7	4.4	0.0	96.8	6	
5	230	-8	-4	-8	0	0	0	1.5	0.5	4.4	0.0	8.0	4	
6	230	106	-6	-3	0	0	0	20.9	0.8	3.0	0.0	22.0	4	
7	230	-121	-4	-2	0	-0	0	23.9	0.6	1.9	0.0	24.5	6	
8	230	-612	-4	-2	0	-0	0	121.4	0.7	1.9	0.0	122.1	6	
9	230	-8	-4	-2	0	-0	0	1.6	0.5	1.9	0.0	3.9	4	
10	230	53	-6	-13	0	0	0	10.4	1.0	7.1	0.0	16.6	4	
11	230	-91	-4	-8	0	0	0	18.0	0.6	4.4	0.0	19.8	4	
12	230	-505	-4	-8	0	0	0	100.2	0.7	4.4	0.0	100.9	6	
13	230	-48	-4	-8	0	0	0	9.6	0.6	4.4	0.0	12.5	4	
14	230	102	-6	-3	0	0	0	20.3	0.7	3.3	0.0	21.3	4	
15	230	-125	-4	-2	0	-0	0	24.8	0.5	1.9	0.0	25.3	6	
16	230	-589	-4	-2	0	-0	0	116.8	0.7	1.9	0.0	117.6	6	
17	230	-19	-4	-2	0	-0	0	3.9	0.4	1.9	0.0	5.3	4	

ASTA NUM. 57 NI 89 NF 101 Lungh. 252.6 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5071	0.1268	--	--	3.4381	4.0720 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-107	4	-0	0	0	-0	21.1	1.3	2.3	0.0	22.4	6	
1E	0	74	4	-0	0	0	-0	14.7	1.3	2.3	0.0	16.0	6	
1I	0	-44	4	-0	0	0	-0	8.7	1.4	2.3	0.0	10.0	6	
1M	0	11	4	-0	0	0	-0	2.2	1.4	2.3	0.0	4.7	5	
2	0	-104	7	-15	0	-0	-0	20.6	2.6	7.8	0.0	25.8	4	
3	0	45	4	-9	0	-0	-0	8.9	1.6	4.9	0.0	12.9	4	
4	0	435	4	-9	0	-0	-0	86.2	1.5	4.9	0.0	87.8	1	
5	0	4	4	-9	0	-0	-0	0.8	1.7	4.9	0.0	8.7	4	
6	0	-101	6	-4	0	-0	-0	20.0	2.1	3.4	0.0	22.1	6	
7	0	105	4	-2	0	-0	-0	20.9	1.3	2.1	0.0	22.2	6	
8	0	549	4	-2	0	-0	-0	108.9	1.2	2.1	0.0	110.1	6	
9	0	4	4	-2	0	-0	-0	0.8	1.4	2.1	0.0	4.1	4	
10	0	-52	7	-15	0	-0	-0	10.3	2.6	7.8	0.0	18.0	4	
11	0	79	4	-9	0	-0	-0	15.7	1.6	4.9	0.0	18.6	4	
12	0	453	4	-9	0	-0	-0	89.9	1.5	4.9	0.0	91.4	1	
13	0	41	4	-9	0	-0	-0	8.1	1.7	4.9	0.0	12.3	4	
14	0	-98	7	-4	0	-0	-0	19.4	2.2	3.6	0.0	21.6	6	
15	0	109	4	-2	0	-0	-0	21.7	1.3	2.1	0.0	23.0	6	
16	0	528	4	-2	0	-0	-0	104.8	1.2	2.1	0.0	106.0	6	
17	0	14	4	-2	0	-0	-0	2.8	1.3	2.1	0.0	5.1	4	
1A	126	-104	0	-0	0	0	3	20.7	61.4	0.0	0.0	82.0	6	
1E	126	77	0	-0	0	0	3	15.2	61.4	0.0	0.0	76.6	6	
1I	126	-41	0	-0	0	0	3	8.2	61.3	0.0	0.0	69.5	6	
1M	126	14	0	-0	0	0	3	2.7	61.3	0.0	0.0	64.0	6	
2	126	-102	0	-0	0	9	4	20.3	244.0	0.0	0.0	264.3	1	
3	126	46	0	-0	0	6	3	9.1	152.4	0.0	0.0	161.5	1	
4	126	436	0	-0	0	6	3	86.4	152.4	0.0	0.0	238.8	1	
5	126	5	0	-0	0	6	3	1.0	152.4	0.0	0.0	153.3	1	
6	126	-98	0	-0	0	2	4	19.4	108.6	0.0	0.0	128.0	6	
7	126	107	0	-0	0	1	2	21.3	67.8	0.0	0.0	89.1	6	
8	126	551	0	-0	0	1	2	109.3	67.7	0.0	0.0	177.0	6	
9	126	6	0	-0	0	1	2	1.2	67.8	0.0	0.0	69.0	6	
10	126	-50	0	-0	0	9	4	10.0	244.1	0.0	0.0	254.1	1	
11	126	80	0	-0	0	6	3	15.9	152.4	0.0	0.0	168.3	1	
12	126	454	0	-0	0	6	3	90.1	152.4	0.0	0.0	242.5	1	
13	126	42	0	-0	0	6	3	8.3	152.4	0.0	0.0	160.7	1	
14	126	-95	0	-0	0	2	4	18.8	114.7	0.0	0.0	133.5	6	
15	126	111	0	-0	0	1	2	22.1	67.8	0.0	0.0	89.9	6	
16	126	530	0	-0	0	1	2	105.2	67.7	0.0	0.0	172.9	6	
17	126	16	0	-0	0	1	2	3.2	67.8	0.0	0.0	71.0	6	
1A	253	-102	-4	-0	0	0	-0	20.2	0.4	2.3	0.0	20.7	4	
1E	253	79	-4	-0	0	0	-0	15.7	0.4	2.3	0.0	16.3	4	
1I	253	-39	-4	-0	0	0	-0	7.7	0.5	2.3	0.0	8.7	5	
1M	253	16	-4	-0	0	0	-0	3.2	0.5	2.3	0.0	5.2	5	
2	253	-100	-7	15	0	-0	-0	19.9	0.6	7.8	0.0	24.4	4	
3	253	47	-4	9	0	-0	-0	9.4	0.5	4.9	0.0	12.8	4	
4	253	437	-4	9	0	-0	-0	86.6	0.6	4.9	0.0	87.3	4	
5	253	6	-4	9	0	-0	-0	1.2	0.5	4.9	0.0	8.7	4	
6	253	-95	-6	4	0	0	-0	18.8	0.4	3.4	0.0	19.9	4	
7	253	109	-4	2	0	-0	-0	21.7	0.4	2.1	0.0	22.1	4	
8	253	553	-4	2	0	-0	-0	109.7	0.5	2.1	0.0	110.2	6	
9	253	8	-4	2	0	0	-0	1.5	0.3	2.1	0.0	4.2	4	
10	253	-49	-7	15	0	-0	-0	9.6	0.5	7.8	0.0	16.9	4	
11	253	81	-4	9	0	-0	-0	16.1	0.4	4.9	0.0	18.4	4	
12	253	455	-4	9	0	-0	-0	90.3	0.6	4.9	0.0	91.0	4	
13	253	43	-4	9	0	-0	-0	8.5	0.4	4.9	0.0	12.2	4	
14	253	-91	-7	4	0	0	-0	18.1	0.5	3.6	0.0	19.4	4	
15	253	113	-4	2	0	-0	-0	22.5	0.4	2.1	0.0	22.9	4	

16	253	532	-4	2	0	-0	-0	105.6	0.6	2.1	0.0	106.2	6
17	253	18	-4	2	0	0	-0	3.6	0.3	2.1	0.0	5.3	4

ASTA NUM. 58 NI 90 NF 100 Lungh. 252.6 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5071	0.1268	--	--	3.4381	4.0720 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-558	4	0	0	-0	-0	110.7	1.3	2.3	0.0	112.0	6	
1E	0	-377	4	0	0	-0	-0	74.8	1.3	2.3	0.0	76.1	6	
1I	0	-495	4	0	0	-0	-0	98.2	1.4	2.3	0.0	99.6	6	
1M	0	-440	4	0	0	-0	-0	87.3	1.4	2.3	0.0	88.7	6	
2	0	-538	7	15	0	0	-0	106.7	2.6	7.8	0.0	109.2	6	
3	0	-409	4	9	0	0	-0	81.1	1.5	4.9	0.0	82.6	6	
4	0	-787	4	9	0	0	-0	156.2	1.6	4.9	0.0	157.8	1	
5	0	-376	4	9	0	0	-0	74.7	1.5	4.9	0.0	76.2	6	
6	0	-681	6	4	0	0	-0	135.2	2.2	3.4	0.0	137.4	6	
7	0	-541	4	2	0	0	-0	107.4	1.3	2.1	0.0	108.6	6	
8	0	-985	4	2	0	0	-0	195.3	1.4	2.1	0.0	196.7	6	
9	0	-469	4	2	0	0	-0	93.0	1.3	2.1	0.0	94.3	6	
10	0	-657	7	15	0	0	-0	130.4	2.6	7.8	0.0	133.0	6	
11	0	-482	4	9	0	0	-0	95.5	1.6	4.9	0.0	97.1	6	
12	0	-851	4	9	0	0	-0	168.9	1.7	4.9	0.0	170.6	6	
13	0	-448	4	9	0	0	-0	88.8	1.6	4.9	0.0	90.4	6	
14	0	-679	7	4	0	0	-0	134.6	2.2	3.6	0.0	136.8	6	
15	0	-537	4	2	0	0	-0	106.6	1.2	2.1	0.0	107.8	6	
16	0	-965	4	2	0	0	-0	191.5	1.3	2.1	0.0	192.9	6	
17	0	-460	4	2	0	0	-0	91.3	1.2	2.1	0.0	92.5	6	
1A	126	-556	0	0	0	-0	3	110.2	61.4	0.0	0.0	171.7	6	
1E	126	-375	0	0	0	-0	3	74.3	61.4	0.0	0.0	135.8	6	
1I	126	-493	0	0	0	-0	3	97.7	61.4	0.0	0.0	159.1	6	
1M	126	-438	0	0	0	-0	3	86.8	61.4	0.0	0.0	148.2	6	
2	126	-536	0	0	0	-9	4	106.3	244.2	0.0	0.0	350.5	1	
3	126	-407	0	0	0	-6	3	80.8	152.6	0.0	0.0	233.4	1	
4	126	-786	0	0	0	-6	3	156.0	152.6	0.0	0.0	308.6	1	
5	126	-375	0	0	0	-6	3	74.5	152.6	0.0	0.0	227.1	1	
6	126	-678	0	0	0	-2	4	134.6	108.7	0.0	0.0	243.3	6	
7	126	-539	0	0	0	-1	2	107.0	68.0	0.0	0.0	175.0	6	
8	126	-983	0	0	0	-1	2	195.0	68.1	0.0	0.0	263.0	6	
9	126	-467	0	0	0	-1	2	92.6	68.0	0.0	0.0	160.6	6	
10	126	-655	0	0	0	-9	4	130.0	244.2	0.0	0.0	374.2	1	
11	126	-480	0	0	0	-6	3	95.3	152.6	0.0	0.0	247.9	1	
12	126	-850	0	0	0	-6	3	168.7	152.6	0.0	0.0	321.3	1	
13	126	-446	0	0	0	-6	3	88.6	152.6	0.0	0.0	241.2	1	
14	126	-675	0	0	0	-2	4	134.0	114.9	0.0	0.0	248.8	6	
15	126	-535	0	0	0	-1	2	106.2	68.0	0.0	0.0	174.2	6	
16	126	-963	0	0	0	-1	2	191.2	68.1	0.0	0.0	259.2	6	
17	126	-458	0	0	0	-1	2	90.9	68.0	0.0	0.0	158.9	6	
1A	253	-553	-4	0	0	-0	0	109.7	0.3	2.3	0.0	110.0	1	
1E	253	-372	-4	0	0	-0	0	73.8	0.3	2.3	0.0	74.1	1	
1I	253	-490	-4	0	0	-0	0	97.2	0.3	2.3	0.0	97.5	1	
1M	253	-435	-4	0	0	-0	0	86.3	0.3	2.3	0.0	86.6	1	
2	253	-534	-7	-15	0	0	0	106.0	0.3	7.8	0.0	107.0	4	
3	253	-406	-4	-9	0	0	0	80.6	0.1	4.8	0.0	81.1	4	
4	253	-785	-4	-9	0	0	0	155.8	0.2	4.8	0.0	156.1	4	
5	253	-374	-4	-9	0	0	0	74.2	0.2	4.9	0.0	74.8	4	
6	253	-675	-6	-4	0	-0	-0	134.0	0.3	3.4	0.0	134.2	1	
7	253	-537	-4	-2	0	-0	0	106.6	0.3	2.1	0.0	106.9	1	
8	253	-981	-4	-2	0	-0	0	194.6	0.4	2.1	0.0	195.0	1	
9	253	-465	-4	-2	0	-0	0	92.2	0.2	2.1	0.0	92.4	1	
10	253	-654	-7	-15	0	0	0	129.7	0.4	7.8	0.0	130.6	4	
11	253	-479	-4	-9	0	0	0	95.1	0.2	4.8	0.0	95.6	4	
12	253	-849	-4	-9	0	0	0	168.5	0.3	4.8	0.0	168.8	4	
13	253	-445	-4	-9	0	0	0	88.4	0.2	4.9	0.0	88.9	4	
14	253	-672	-7	-4	0	-0	-0	133.3	0.3	3.6	0.0	133.7	1	
15	253	-533	-4	-2	0	-0	-0	105.8	0.3	2.1	0.0	106.1	1	
16	253	-962	-4	-2	0	-0	0	190.8	0.4	2.1	0.0	191.1	1	
17	253	-456	-4	-2	0	-0	-0	90.5	0.2	2.1	0.0	90.8	1	

ASTA NUM. 59 NI 97 NF 99 Lungh. 93.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6941	-0.1735	--	--	4.1074	3.2398 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-81	2	-0	0	-0	0	12.8	1.6	0.8	0.0	14.4	6	
1E	0	120	2	-0	0	-0	0	18.9	1.6	0.8	0.0	20.5	6	
1I	0	-11	2	-0	0	-0	0	1.8	1.5	0.8	0.0	3.3	6	
1M	0	50	2	-0	0	-0	0	7.9	1.5	0.8	0.0	9.4	6	
2	0	-96	2	5	0	-0	0	15.2	3.2	2.3	0.0	18.4	1	
3	0	-364	1	3	0	-0	0	57.5	1.2	1.5	0.0	58.7	1	
4	0	-705	1	3	0	-0	0	111.2	1.1	1.4	0.0	112.4	1	
5	0	-1496	1	3	0	-0	0	236.0	1.4	1.4	0.0	237.4	1	
6	0	157	2	1	0	-0	0	24.7	2.8	1.0	0.0	27.6	1	
7	0	-374	1	1	0	-0	0	59.0	1.4	0.6	0.0	60.4	6	
8	0	-721	1	1	0	-0	0	113.8	1.1	0.6	0.0	114.9	6	
9	0	-1715	1	1	0	-0	0	270.5	1.2	0.6	0.0	271.7	1	
10	0	90	2	5	0	-0	0	14.1	3.6	2.3	0.0	17.7	1	
11	0	-253	1	3	0	-0	0	39.9	1.5	1.5	0.0	41.4	1	
12	0	-572	1	3	0	-0	0	90.2	1.3	1.4	0.0	91.5	1	
13	0	-1346	1	3	0	-0	0	212.3	1.7	1.4	0.0	214.0	1	
14	0	162	2	1	0	-0	0	25.5	2.9	1.1	0.0	28.4	1	
15	0	-375	1	1	0	-0	0	59.1	1.4	0.6	0.0	60.4	6	
16	0	-691	1	1	0	-0	0	108.9	1.1	0.6	0.0	110.0	6	
17	0	-1657	1	1	0	-0	0	261.4	1.2	0.6	0.0	262.5	1	
1A	46	-80	-0	-0	0	-0	0	12.6	7.8	0.1	0.0	20.4	6	
1E	46	121	-0	-0	0	-0	0	19.1	7.8	0.1	0.0	26.9	6	
1I	46	-10	-0	-0	0	-0	0	1.6	7.8	0.1	0.0	9.4	6	
1M	46	51	-0	-0	0	-0	0	8.1	7.8	0.1	0.0	15.9	6	
2	46	-94	-0	-0	0	-1	0	14.8	27.3	0.1	0.0	42.1	1	
3	46	-363	-0	-0	0	-1	0	57.2	16.8	0.1	0.0	74.0	1	
4	46	-704	-0	-0	0	-1	0	111.0	16.5	0.1	0.0	127.5	1	
5	46	-1494	-0	-0	0	-1	0	235.6	16.8	0.1	0.0	252.4	1	
6	46	159	-0	-0	0	-0	1	25.0	12.4	0.2	0.0	37.5	6	
7	46	-373	-0	-0	0	-0	0	58.8	7.9	0.1	0.0	66.6	6	
8	46	-720	-0	-0	0	-0	0	113.6	7.6	0.1	0.0	121.2	6	
9	46	-1713	-0	-0	0	-0	0	270.3	7.4	0.1	0.0	277.7	6	
10	46	92	-0	-0	0	-1	0	14.5	27.5	0.1	0.0	42.0	1	
11	46	-251	-0	-0	0	-1	0	39.6	16.9	0.1	0.0	56.5	1	
12	46	-570	-0	-0	0	-1	0	90.0	16.5	0.1	0.0	106.5	1	
13	46	-1344	-0	-0	0	-1	0	212.0	16.9	0.1	0.0	228.9	1	
14	46	164	-0	-0	0	-0	1	25.9	13.2	0.2	0.0	39.1	6	
15	46	-373	-0	-0	0	-0	0	58.9	7.9	0.1	0.0	66.7	6	
16	46	-689	-0	-0	0	-0	0	108.7	7.6	0.1	0.0	116.3	6	
17	46	-1655	-0	-0	0	-0	0	261.1	7.4	0.1	0.0	268.5	6	
1A	93	-79	-2	-0	0	0	-0	12.4	3.0	1.0	0.0	15.4	6	
1E	93	122	-2	-0	0	0	-0	19.3	3.0	1.0	0.0	22.3	6	
1I	93	-9	-2	-0	0	0	-0	1.4	3.0	1.0	0.0	4.4	6	
1M	93	52	-2	-0	0	0	-0	8.3	3.0	1.0	0.0	11.2	6	
2	93	-91	-2	-6	0	0	-0	14.4	4.3	2.5	0.0	18.7	6	
3	93	-361	-2	-3	0	0	-0	57.0	2.4	1.6	0.0	59.4	6	
4	93	-702	-2	-3	0	0	-0	110.7	2.5	1.6	0.0	113.2	6	
5	93	-1492	-1	-3	0	0	-0	235.3	2.5	1.6	0.0	237.9	6	
6	93	161	-3	-2	0	0	-0	25.3	4.9	1.3	0.0	30.3	6	
7	93	-371	-2	-1	0	0	-0	58.6	2.6	0.8	0.0	61.2	6	
8	93	-719	-2	-1	0	0	-0	113.4	2.9	0.8	0.0	116.3	6	
9	93	-1712	-2	-1	0	0	-0	270.0	2.9	0.8	0.0	273.0	6	
10	93	95	-2	-6	0	0	-0	14.9	4.8	2.5	0.0	19.7	6	
11	93	-250	-2	-3	0	0	-0	39.4	2.6	1.6	0.0	42.0	6	
12	93	-569	-2	-3	0	0	-0	89.7	2.8	1.6	0.0	92.5	6	
13	93	-1342	-2	-3	0	0	-0	211.7	2.8	1.6	0.0	214.4	6	
14	93	166	-3	-2	0	0	-0	26.2	5.0	1.4	0.0	31.2	6	
15	93	-372	-2	-1	0	0	-0	58.7	2.6	0.8	0.0	61.3	6	
16	93	-688	-2	-1	0	0	-0	108.5	2.9	0.8	0.0	111.4	6	
17	93	-1654	-2	-1	0	0	-0	260.9	2.9	0.8	0.0	263.8	6	

ASTA NUM. 60 NI 98 NF 99 Lungh. 93.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6941	-0.1735	--	--	4.1074	3.2398 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	645	2	0	0	0	0	101.8	2.3	0.8	0.0	104.1	1	
1E	0	846	2	0	0	0	0	133.4	2.3	0.8	0.0	135.8	1	
1I	0	715	2	0	0	0	0	112.8	2.3	0.8	0.0	115.1	1	
1M	0	776	2	0	0	0	0	122.4	2.3	0.8	0.0	124.8	1	
2	0	1142	2	-5	0	0	0	180.1	4.4	2.3	0.0	184.5	1	
3	0	980	1	-3	0	0	0	154.6	3.4	1.4	0.0	158.0	1	
4	0	1287	1	-3	0	0	0	203.0	3.2	1.4	0.0	206.2	1	
5	0	2075	1	-3	0	0	0	327.3	2.8	1.4	0.0	330.1	1	
6	0	1091	2	-1	0	0	0	172.1	3.9	1.0	0.0	176.0	1	
7	0	1098	1	-1	0	0	0	173.2	3.5	0.6	0.0	176.7	1	
8	0	1430	1	-1	0	0	0	225.6	3.1	0.6	0.0	228.6	1	
9	0	2422	1	-1	0	0	0	382.0	2.5	0.6	0.0	384.5	1	
10	0	1063	2	-5	0	0	0	167.7	4.6	2.3	0.0	172.3	1	
11	0	926	1	-3	0	0	0	146.1	3.5	1.4	0.0	149.6	1	

12	0	1215	1	-3	0	0	0	191.6	3.4	1.4	0.0	195.0	1
13	0	1984	1	-3	0	0	0	312.9	2.9	1.4	0.0	315.8	1
14	0	1096	2	-1	0	0	0	172.9	3.9	1.1	0.0	176.8	1
15	0	1097	1	-1	0	0	0	173.0	3.5	0.6	0.0	176.5	1
16	0	1397	1	-1	0	0	0	220.3	3.2	0.6	0.0	223.5	1
17	0	2358	1	-1	0	0	0	371.9	2.5	0.6	0.0	374.5	1
1A	46	647	-0	0	0	0	0	102.0	8.0	0.1	0.0	110.0	6
1E	46	847	-0	0	0	0	0	133.6	8.0	0.1	0.0	141.6	6
1I	46	716	-0	0	0	0	0	113.0	7.9	0.1	0.0	120.9	6
1M	46	778	-0	0	0	0	0	122.6	7.9	0.1	0.0	130.5	6
2	46	1145	-0	0	0	1	0	180.5	28.1	0.1	0.0	208.6	1
3	46	982	-0	0	0	1	0	154.9	18.2	0.1	0.0	173.1	1
4	46	1289	-0	0	0	1	0	203.2	18.1	0.1	0.0	221.3	1
5	46	2077	-0	0	0	1	0	327.5	17.4	0.1	0.0	344.9	1
6	46	1093	-0	0	0	0	1	172.4	12.6	0.2	0.0	185.0	6
7	46	1099	-0	0	0	0	0	173.3	7.9	0.1	0.0	181.2	6
8	46	1431	-0	0	0	0	0	225.7	8.1	0.1	0.0	233.8	6
9	46	2423	-0	0	0	0	0	382.3	8.3	0.1	0.0	390.5	6
10	46	1066	-0	0	0	1	0	168.1	28.2	0.1	0.0	196.3	1
11	46	928	-0	0	0	1	0	146.3	18.2	0.1	0.0	164.6	1
12	46	1217	-0	0	0	1	0	191.9	18.1	0.1	0.0	210.0	1
13	46	1986	-0	0	0	1	0	313.2	17.5	0.1	0.0	330.6	1
14	46	1098	-0	0	0	0	1	173.2	13.3	0.2	0.0	186.5	6
15	46	1098	-0	0	0	0	0	173.2	7.9	0.1	0.0	181.0	1
16	46	1398	-0	0	0	0	0	220.5	8.1	0.1	0.0	228.6	6
17	46	2359	-0	0	0	0	0	372.1	8.2	0.1	0.0	380.3	6
1A	93	648	-2	0	0	-0	-0	102.2	2.9	1.0	0.0	105.1	6
1E	93	849	-2	0	0	-0	-0	133.8	2.9	1.0	0.0	136.8	6
1I	93	718	-2	0	0	-0	-0	113.2	3.1	1.0	0.0	116.2	6
1M	93	779	-2	0	0	-0	-0	122.8	3.1	1.0	0.0	125.9	6
2	93	1147	-2	6	0	-0	-0	180.9	4.3	2.6	0.0	185.2	6
3	93	983	-2	4	0	-0	-0	155.1	2.6	1.6	0.0	157.8	6
4	93	1290	-2	4	0	-0	-0	203.5	2.3	1.6	0.0	205.8	6
5	93	2078	-2	4	0	-0	-0	327.8	2.4	1.6	0.0	330.1	6
6	93	1095	-3	2	0	-0	-0	172.7	4.9	1.3	0.0	177.6	6
7	93	1100	-2	1	0	0	-0	173.5	3.4	0.8	0.0	176.9	6
8	93	1432	-2	1	0	0	-0	225.9	2.8	0.8	0.0	228.6	6
9	93	2425	-2	1	0	-0	-0	382.5	2.7	0.8	0.0	385.2	6
10	93	1068	-2	6	0	-0	-0	168.5	4.7	2.6	0.0	173.2	6
11	93	929	-2	4	0	-0	-0	146.6	2.9	1.6	0.0	149.5	6
12	93	1218	-2	4	0	-0	-0	192.1	2.6	1.6	0.0	194.7	6
13	93	1987	-2	4	0	-0	-0	313.4	2.6	1.6	0.0	316.0	6
14	93	1100	-3	2	0	-0	-0	173.5	5.0	1.4	0.0	178.5	6
15	93	1099	-2	1	0	0	-0	173.3	3.6	0.8	0.0	176.9	6
16	93	1399	-2	1	0	0	-0	220.7	3.0	0.8	0.0	223.6	6
17	93	2360	-2	1	0	-0	-0	372.2	2.8	0.8	0.0	375.0	6

ASTA NUM. 61 NI 52 NF 99 Lungh. 71.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	273	2	0	0	0	-0	43.0	2.0	0.8	0.0	45.0	1	
1E	0	283	2	0	0	0	-0	44.6	2.0	0.8	0.0	46.5	1	
1I	0	275	2	0	0	0	-0	43.4	2.1	0.8	0.0	45.5	1	
1M	0	280	2	0	0	0	-0	44.2	2.1	0.8	0.0	46.2	1	
2	0	444	2	-4	0	0	0	70.0	0.9	1.8	0.0	70.9	1	
3	0	476	1	-2	0	0	0	75.1	2.0	1.1	0.0	77.1	1	
4	0	325	1	-2	0	0	0	51.2	0.8	1.1	0.0	52.0	1	
5	0	429	1	-3	0	0	0	67.7	1.3	1.1	0.0	69.0	6	
6	0	463	2	-1	0	0	-0	73.0	2.5	1.1	0.0	75.5	1	
7	0	592	1	-0	0	0	-0	93.4	3.7	0.7	0.0	97.1	1	
8	0	359	1	-0	0	0	0	56.7	1.7	0.6	0.0	58.4	1	
9	0	494	1	-0	0	0	0	77.9	1.7	0.6	0.0	79.6	1	
10	0	607	2	-4	0	0	-0	95.7	1.1	1.8	0.0	96.8	1	
11	0	557	1	-2	0	0	0	87.9	2.0	1.1	0.0	89.9	1	
12	0	427	1	-2	0	0	0	67.4	0.9	1.1	0.0	68.2	1	
13	0	524	1	-2	0	0	0	82.6	1.2	1.1	0.0	83.8	6	
14	0	687	3	-1	0	0	-0	108.3	2.9	1.1	0.0	111.1	1	
15	0	713	1	-0	0	0	-0	112.5	3.9	0.7	0.0	116.3	1	
16	0	501	1	-0	0	0	0	78.9	1.9	0.7	0.0	80.8	1	
17	0	619	1	-0	0	0	0	97.7	1.9	0.6	0.0	99.6	1	
1A	36	273	-0	0	0	0	0	43.0	5.2	0.1	0.0	48.2	6	
1E	36	283	-0	0	0	0	0	44.6	5.2	0.1	0.0	49.8	6	
1I	36	275	-0	0	0	0	0	43.4	5.2	0.1	0.0	48.7	6	
1M	36	280	-0	0	0	0	0	44.2	5.2	0.1	0.0	49.4	6	
2	36	444	-0	0	0	1	0	70.0	16.9	0.1	0.0	86.9	1	
3	36	476	-0	0	0	0	0	75.1	11.0	0.1	0.0	86.1	1	
4	36	325	-0	0	0	0	0	51.2	10.6	0.1	0.0	61.8	1	
5	36	429	-0	0	0	0	0	67.7	10.5	0.1	0.0	78.2	1	
6	36	463	-0	0	0	0	0	73.0	8.4	0.1	0.0	81.4	6	
7	36	592	-0	0	0	0	0	93.4	5.6	0.2	0.0	99.0	6	
8	36	359	-0	0	0	0	0	56.7	5.5	0.1	0.0	62.2	6	
9	36	494	-0	0	0	0	0	77.9	5.8	0.1	0.0	83.7	6	
10	36	607	-0	0	0	1	0	95.7	16.9	0.1	0.0	112.6	1	
11	36	557	-0	0	0	0	0	87.9	11.0	0.1	0.0	98.9	1	
12	36	427	-0	0	0	0	0	67.4	10.6	0.1	0.0	78.0	1	
13	36	524	-0	0	0	0	0	82.6	10.6	0.1	0.0	93.1	1	
14	36	687	-0	0	0	0	0	108.3	9.0	0.1	0.0	117.3	6	
15	36	713	-0	0	0	0	0	112.5	5.6	0.2	0.0	118.1	6	
16	36	501	-0	0	0	0	0	78.9	5.5	0.1	0.0	84.5	6	
17	36	619	-0	0	0	0	0	97.7	5.9	0.1	0.0	103.5	6	
1A	71	273	-2	0	0	-0	-0	43.0	2.0	0.9	0.0	45.0	6	
1E	71	283	-2	0	0	-0	-0	44.6	2.0	0.9	0.0	46.6	6	
1I	71	275	-2	0	0	-0	-0	43.4	2.0	0.9	0.0	45.4	6	
1M	71	280	-2	0	0	-0	-0	44.2	2.0	0.9	0.0	46.2	6	
2	71	444	-3	4	0	-0	-0	70.0	2.8	2.0	0.0	72.8	6	
3	71	476	-2	3	0	-0	-0	75.1	1.8	1.3	0.0	76.9	6	
4	71	325	-2	3	0	-0	-0	51.2	1.7	1.2	0.0	52.9	6	
5	71	429	-2	3	0	-0	-0	67.7	1.9	1.2	0.0	69.6	6	
6	71	463	-3	1	0	-0	-0	73.0	3.2	1.2	0.0	76.2	6	
7	71	592	-2	1	0	-0	-0	93.4	2.2	0.7	0.0	95.6	1	
8	71	359	-2	1	0	-0	-0	56.7	2.0	0.8	0.0	58.7	6	
9	71	494	-2	1	0	-0	-0	77.9	2.2	0.8	0.0	80.1	6	
10	71	607	-3	4	0	-0	-0	95.7	2.9	2.0	0.0	98.6	6	
11	71	557	-2	3	0	-0	-0	87.9	1.9	1.3	0.0	89.7	6	
12	71	427	-2	3	0	-0	-0	67.4	1.8	1.2	0.0	69.2	6	
13	71	524	-2	3	0	-0	-0	82.6	2.0	1.2	0.0	84.5	6	
14	71	687	-3	1	0	-0	-0	108.3	3.1	1.3	0.0	111.4	6	
15	71	713	-2	1	0	-0	-0	112.5	2.2	0.7	0.0	114.6	1	
16	71	501	-2	1	0	-0	-0	78.9	1.9	0.8	0.0	80.9	6	
17	71	619	-2	1	0	-0	-0	97.7	2.2	0.8	0.0	99.8	6	

ASTA NUM. 62 NI 99 NF 51 Lungh. 71.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	116	2	-0	0	-0	-0	18.3	1.8	0.8	0.0	20.1	6	
1E	0	126	2	-0	0	-0	-0	19.9	1.8	0.8	0.0	21.7	6	
1I	0	119	2	-0	0	-0	-0	18.7	1.8	0.8	0.0	20.5	6	
1M	0	123	2	-0	0	-0	-0	19.5	1.8	0.8	0.0	21.3	6	
2	0	175	3	-4	0	-0	-0	27.6	2.5	1.9	0.0	30.0	6	
3	0	-120	2	-3	0	0	-0	18.9	1.6	1.1	0.0	20.5	6	
4	0	18	2	-3	0	0	-0	2.8	1.4	1.2	0.0	4.2	6	
5	0	-42	2	-3	0	0	-0	6.7	1.2	1.1	0.0	7.9	6	
6	0	234	3	-1	0	-0	-0	37.0	3.0	1.2	0.0	39.9	6	
7	0	-216	2	-1	0	0	-0	34.1	1.9	0.7	0.0	36.0	6	
8	0	42	2	-1	0	0	-0	6.6	1.7	0.7	0.0	8.2	6	
9	0	-23	2	-1	0	0	-0	3.7	1.4	0.7	0.0	5.1	6	
10	0	398	3	-4	0	-0	-0	62.7	2.7	1.9	0.0	65.4	6	
11	0	-1	2	-3	0	0	-0	0.2	1.7	1.2	0.0	2.3	4	
12	0	139	2	-3	0	0	-0	21.9	1.5	1.2	0.0	23.5	6	
13	0	55	2	-3	0	0	-0	8.7	1.3	1.2	0.0	10.1	6	
14	0	458	3	-1	0	-0	-0	72.2	2.9	1.3	0.0	75.1	6	
15	0	-95	2	-1	0	0	-0	15.0	1.9	0.7	0.0	16.9	6	
16	0	152	2	-1	0	0	-0	24.0	1.7	0.7	0.0	25.7	6	
17	0	47	2	-1	0	0	-0	7.4	1.4	0.7	0.0	8.8	6	
1A	36	116	0	-0	0	0	0	18.3	5.0	0.0	0.0	23.3	6	
1E	36	126	0	-0	0	0	0	19.9	5.0	0.0	0.0	24.9	6	
1I	36	119	0	-0	0	0	0	18.7	4.9	0.0	0.0	23.7	6	
1M	36	123	0	-0	0	0	0	19.5	4.9	0.0	0.0	24.4	6	
2	36	175	0	-0	0	1	0	27.6	16.6	0.1	0.0	44.2	1	
3	36	-120	0	0	0	0	0	18.9	10.3	0.0	0.0	29.2	1	
4	36	18	0	0	0	0	0	2.8	10.4	0.0	0.0	13.2	1	
5	36	-42	-0	0	0	0	0	6.7	10.1	0.0	0.0	16.7	1	
6	36	234	0	-0	0	0	0	37.0	8.1	0.1	0.0	45.0	6	
7	36	-216	0	0	0	0	0	34.1	4.9	0.0	0.0	38.9	6	
8	36	42	0	-0	0	0	0	6.6	5.0	0.0	0.0	11.5	6	
9	36	-23	-0	0	0	0	0	3.7	4.6	0.0	0.0	8.2	6	
10	36	398	0	-0	0	1	0	62.7	16.8	0.1	0.0	79.5	1	
11	36	-1	0	0	0	0	0	0.2	10.4	0.0	0.0	10.6	1	
12	36	139	0	0	0	0	0	21.9	10.4	0.0	0.0	32.4	1	
13	36	55	-0	0	0	0	0	8.7	10.2	0.0	0.0	19.0	1	
14	36	458	0	-0	0	0	0	72.2	8.7	0.1	0.0	80.9	6	
15	36	-95	0	0	0	0	0	15.0	4.9	0.0	0.0	19.9	6	
16	36	152	0	-0	0	0	0	24.0	5.0	0.0	0.0	29.0	6	
17	36	47	-0	0	0	0	0	7.4	4.6	0.0	0.0	12.1	6	

1A	71	116	-2	-0	0	0	-0	18.3	1.7	0.8	0.0	20.0	1
1E	71	126	-2	-0	0	0	-0	19.9	1.7	0.8	0.0	21.6	1
1I	71	119	-2	-0	0	0	-0	18.7	1.4	0.8	0.0	20.1	1
1M	71	123	-2	-0	0	0	-0	19.5	1.4	0.8	0.0	20.9	1
2	71	175	-2	4	0	-0	-0	27.6	0.8	1.9	0.0	28.4	6
3	71	-120	-1	3	0	-0	-0	18.9	1.0	1.2	0.0	19.9	1
4	71	18	-2	3	0	-0	-0	2.8	0.9	1.2	0.0	3.8	4
5	71	-42	-2	3	0	-0	-0	6.7	1.8	1.2	0.0	8.4	6
6	71	234	-2	1	0	0	-0	37.0	1.8	1.1	0.0	38.8	1
7	71	-216	-1	1	0	-0	-0	34.1	1.1	0.7	0.0	35.1	6
8	71	42	-2	1	0	0	-0	6.6	1.4	0.7	0.0	8.0	6
9	71	-23	-2	1	0	-0	-0	3.7	1.9	0.7	0.0	5.6	6
10	71	398	-2	4	0	0	-0	62.7	0.9	1.9	0.0	63.6	6
11	71	-1	-1	3	0	-0	-0	0.2	0.9	1.2	0.0	2.3	4
12	71	139	-2	3	0	-0	-0	21.9	0.9	1.2	0.0	22.8	6
13	71	55	-2	3	0	-0	-0	8.7	1.6	1.2	0.0	10.4	6
14	71	458	-3	1	0	0	-0	72.2	2.2	1.2	0.0	74.5	1
15	71	-95	-2	1	0	-0	-0	15.0	1.1	0.7	0.0	16.0	6
16	71	152	-2	1	0	0	-0	24.0	1.2	0.7	0.0	25.3	6
17	71	47	-2	1	0	0	-0	7.4	2.0	0.7	0.0	9.4	6

ASTA NUM. 63 NI 96 NF 98 Lungh. 193.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-740	4	-0	0	0	0	116.7	1.2	1.8	0.0	117.9	1	
1E	0	-553	4	-0	0	0	0	87.2	1.2	1.8	0.0	88.4	1	
1I	0	-675	4	-0	0	0	0	106.5	1.2	1.8	0.0	107.6	1	
1M	0	-618	4	-0	0	0	0	97.5	1.2	1.8	0.0	98.6	1	
2	0	-993	5	11	0	0	0	156.7	1.5	5.0	0.0	158.1	1	
3	0	-854	3	7	0	0	0	134.7	1.1	3.1	0.0	135.8	1	
4	0	-1124	3	7	0	0	0	177.3	0.9	3.1	0.0	178.2	1	
5	0	-1814	3	7	0	0	0	286.1	0.7	3.1	0.0	286.8	1	
6	0	-944	5	3	0	0	0	148.9	1.9	2.4	0.0	150.8	1	
7	0	-953	3	2	0	0	0	150.4	1.5	1.5	0.0	151.8	1	
8	0	-1246	3	2	0	0	0	196.5	1.3	1.5	0.0	197.8	1	
9	0	-2115	3	2	0	0	0	333.6	0.8	1.5	0.0	334.4	1	
10	0	-922	5	11	0	0	0	145.4	1.7	5.0	0.0	147.1	1	
11	0	-805	3	7	0	0	0	127.0	1.2	3.1	0.0	128.2	1	
12	0	-1060	3	7	0	0	0	167.2	1.1	3.1	0.0	168.3	1	
13	0	-1733	3	7	0	0	0	273.3	0.7	3.1	0.0	274.1	1	
14	0	-948	6	3	0	0	0	149.5	2.0	2.6	0.0	151.5	1	
15	0	-952	3	2	0	0	0	150.2	1.5	1.5	0.0	151.7	1	
16	0	-1217	3	2	0	0	0	192.0	1.4	1.5	0.0	193.3	1	
17	0	-2058	3	2	0	0	0	324.6	0.9	1.5	0.0	325.5	1	
1A	97	-737	-0	-0	0	0	2	116.3	37.6	0.0	0.0	153.9	6	
1E	97	-550	-0	-0	0	0	2	86.8	37.6	0.0	0.0	124.4	6	
1I	97	-672	-0	-0	0	0	2	106.0	37.6	0.0	0.0	143.7	6	
1M	97	-615	-0	-0	0	0	2	97.0	37.6	0.0	0.0	134.7	6	
2	97	-988	-0	-0	0	-5	2	155.9	116.4	0.0	0.0	272.3	1	
3	97	-851	-0	-0	0	-3	1	134.2	72.3	0.0	0.0	206.5	1	
4	97	-1121	-0	-0	0	-3	1	176.8	72.5	0.0	0.0	249.3	1	
5	97	-1811	-0	-0	0	-3	1	285.6	72.9	0.0	0.0	358.5	1	
6	97	-940	-0	-0	0	-1	3	148.2	58.5	0.0	0.0	206.8	6	
7	97	-951	-0	-0	0	-1	2	150.0	36.6	0.0	0.0	186.6	6	
8	97	-1243	-0	-0	0	-1	2	196.1	36.6	0.0	0.0	232.7	6	
9	97	-2113	-0	-0	0	-1	2	333.2	36.6	0.0	0.0	369.8	6	
10	97	-917	-0	-0	0	-5	2	144.6	116.2	0.0	0.0	260.8	1	
11	97	-802	-0	-0	0	-3	1	126.5	72.3	0.0	0.0	198.8	1	
12	97	-1057	-0	-0	0	-3	1	166.7	72.3	0.0	0.0	239.0	1	
13	97	-1730	-0	-0	0	-3	1	272.9	72.8	0.0	0.0	345.6	1	
14	97	-944	-0	-0	0	-1	3	148.8	62.2	0.0	0.0	211.0	6	
15	97	-950	-0	-0	0	-1	2	149.8	36.6	0.0	0.0	186.4	6	
16	97	-1214	-0	-0	0	-1	2	191.6	36.6	0.0	0.0	228.1	6	
17	97	-2056	-0	-0	0	-1	2	324.2	36.6	0.0	0.0	360.8	6	
1A	193	-735	-4	-0	0	0	-0	115.9	2.0	1.9	0.0	117.9	1	
1E	193	-548	-4	-0	0	0	-0	86.4	2.0	1.9	0.0	88.4	1	
1I	193	-670	-4	-0	0	0	-0	105.6	2.1	1.9	0.0	107.7	1	
1M	193	-613	-4	-0	0	0	-0	96.6	2.1	1.9	0.0	98.7	1	
2	193	-983	-5	-11	0	0	-0	155.1	4.4	5.1	0.0	159.4	1	
3	193	-847	-3	-7	0	0	-0	133.7	3.3	3.2	0.0	136.9	1	
4	193	-1118	-3	-7	0	0	-0	176.3	3.0	3.2	0.0	179.4	1	
5	193	-1808	-3	-7	0	0	-0	285.2	2.4	3.2	0.0	287.6	1	
6	193	-936	-6	-3	0	0	-0	147.6	3.8	2.5	0.0	151.4	1	
7	193	-948	-3	-2	0	0	-0	149.6	3.2	1.6	0.0	152.8	1	
8	193	-1241	-3	-2	0	0	-0	195.7	2.8	1.6	0.0	198.5	1	
9	193	-2110	-3	-2	0	0	-0	332.8	2.0	1.6	0.0	334.8	1	
10	193	-912	-5	-11	0	0	-0	143.8	4.7	5.1	0.0	148.5	1	
11	193	-799	-3	-7	0	0	-0	126.0	3.4	3.2	0.0	129.4	1	
12	193	-1054	-3	-7	0	0	-0	166.2	3.3	3.2	0.0	169.5	1	
13	193	-1727	-3	-7	0	0	-0	272.4	2.6	3.2	0.0	275.0	1	
14	193	-939	-6	-3	0	0	-0	148.2	4.0	2.7	0.0	152.2	1	
15	193	-947	-3	-2	0	0	-0	149.4	3.3	1.6	0.0	152.7	1	
16	193	-1212	-3	-2	0	0	-0	191.2	3.0	1.6	0.0	194.1	1	
17	193	-2053	-3	-2	0	0	-0	323.8	2.1	1.6	0.0	325.9	1	

ASTA NUM. 64 NI 95 NF 97 Lungh. 193.3 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6320	-0.1580	--	--	4.1782	3.3882 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-104	4	0	0	-0	0	16.4	1.0	1.8	0.0	17.4	1	
1E	0	83	4	0	0	-0	0	13.0	1.0	1.8	0.0	14.0	1	
1I	0	-39	4	0	0	-0	0	6.2	1.0	1.8	0.0	7.3	4	
1M	0	18	4	0	0	-0	0	2.8	1.0	1.8	0.0	4.4	5	
2	0	90	5	-11	0	-0	0	14.3	1.2	5.0	0.0	17.2	4	
3	0	321	3	-7	0	-0	0	50.6	0.5	3.1	0.0	51.2	4	
4	0	620	3	-7	0	-0	0	97.8	0.5	3.1	0.0	98.3	6	
5	0	1312	3	-7	0	-0	0	206.9	0.8	3.1	0.0	207.7	6	
6	0	-126	5	-3	0	-0	0	19.9	1.6	2.4	0.0	21.6	1	
7	0	331	3	-2	0	-0	0	52.3	0.7	1.5	0.0	53.0	6	
8	0	637	3	-2	0	-0	0	100.5	0.8	1.5	0.0	101.4	6	
9	0	1507	3	-2	0	-0	0	237.7	1.2	1.5	0.0	238.9	6	
10	0	-70	5	-11	0	-0	0	11.0	1.5	5.0	0.0	14.6	4	
11	0	225	3	-7	0	-0	0	35.4	0.7	3.1	0.0	36.2	4	
12	0	505	3	-7	0	-0	0	79.6	0.6	3.1	0.0	80.2	6	
13	0	1182	3	-7	0	-0	0	186.4	0.9	3.1	0.0	187.4	6	
14	0	-131	6	-3	0	-0	0	20.6	1.7	2.6	0.0	22.3	1	
15	0	333	3	-2	0	-0	0	52.4	0.7	1.5	0.0	53.2	6	
16	0	611	3	-2	0	-0	0	96.3	0.8	1.5	0.0	97.2	6	
17	0	1457	3	-2	0	-0	0	229.8	1.3	1.5	0.0	231.1	6	
1A	97	-102	-0	0	0	-0	2	16.0	37.4	0.0	0.0	53.4	6	
1E	97	85	-0	0	0	-0	2	13.5	37.4	0.0	0.0	50.8	6	
1I	97	-37	-0	0	0	-0	2	5.8	37.3	0.0	0.0	43.1	6	
1M	97	20	-0	0	0	-0	2	3.2	37.3	0.0	0.0	40.6	6	
2	97	95	-0	0	0	5	2	15.1	117.0	0.0	0.0	132.0	1	
3	97	324	-0	0	0	3	1	51.1	73.5	0.0	0.0	124.6	1	
4	97	623	-0	0	0	3	1	98.3	73.5	0.0	0.0	171.8	1	
5	97	1316	-0	0	0	3	1	207.5	73.2	0.0	0.0	280.6	1	
6	97	-122	-0	0	0	1	3	19.3	58.6	0.0	0.0	77.9	6	
7	97	334	-0	-0	0	1	2	52.7	36.6	0.0	0.0	89.3	6	
8	97	640	-0	0	0	1	2	100.9	36.7	0.0	0.0	137.6	6	
9	97	1510	-0	0	0	1	2	238.1	36.6	0.0	0.0	274.7	6	
10	97	-65	-0	0	0	5	2	10.2	116.7	0.0	0.0	127.0	1	
11	97	228	-0	0	0	3	1	35.9	73.4	0.0	0.0	109.3	1	
12	97	508	-0	0	0	3	1	80.1	73.4	0.0	0.0	153.6	1	
13	97	1185	-0	0	0	3	1	186.9	73.0	0.0	0.0	259.9	1	
14	97	-126	-0	0	0	1	3	19.9	62.2	0.0	0.0	82.1	6	
15	97	335	-0	-0	0	1	2	52.8	36.6	0.0	0.0	89.4	6	
16	97	613	-0	-0	0	1	2	96.7	36.6	0.0	0.0	133.4	6	
17	97	1460	-0	0	0	1	2	230.2	36.6	0.0	0.0	266.8	6	
1A	193	-99	-4	0	0	-0	-0	15.6	2.0	1.9	0.0	17.6	6	
1E	193	88	-4	0	0	-0	-0	13.9	2.0	1.9	0.0	15.8	6	
1I	193	-34	-4	0	0	-0	-0	5.4	2.0	1.9	0.0	7.3	6	
1M	193	23	-4	0	0	-0	-0	3.6	2.0	1.9	0.0	5.6	6	
2	193	101	-5	11	0	-0	-0	15.9	3.5	5.1	0.0	19.6	4	
3	193	327	-3	7	0	-0	-0	51.6	1.9	3.2	0.0	53.5	6	
4	193	626	-3	7	0	-0	-0	98.8	1.9	3.2	0.0	100.7	6	
5	193	1319	-3	7	0	-0	-0	208.0	2.2	3.2	0.0	210.2	1	
6	193	-118	-6	3	0	-0	-0	18.7	3.1	2.5	0.0	21.8	6	
7	193	336	-3	2	0	-0	-0	53.1	1.9	1.6	0.0	55.0	6	
8	193	642	-3	2	0	-0	-0	101.3	2.0	1.6	0.0	103.3	6	
9	193	1512	-3	2	0	-0	-0	238.5	2.3	1.6	0.0	240.7	6	
10	193	-60	-5	11	0	-0	-0	9.4	3.9	5.1	0.0	14.3	4	
11	193	231	-3	7	0	-0	-0	36.5	2.1	3.2	0.0	38.5	6	
12	193	511	-3	7	0	-0	-0	80.6	2.1	3.2	0.0	82.7	6	
13	193	1188	-3	7	0	-0	-0	187.4	2.4	3.2	0.0	189.7	1	
14	193	-122	-6	3	0	-0	-0	19.2	3.4	2.7	0.0	22.6	6	
15	193	338	-3	2	0	-0	-0	53.2	2.0	1.6	0.0	55.2	6	
16	193	616	-3	2	0	-0	-0	97.1	2.0	1.6	0.0	99.2	6	
17	193	1462	-3	2	0	-0	-0	230.6	2.3	1.6	0.0	232.9	6	

ASTA NUM. 65 NI 93 NF 95 Lungh. 209.8 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5501	-0.1375	--	--	3.3974	2.7098 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

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	cm	daN		daN*m		daN/cmq							
1A	0	-93	4	0	0	0	-0	18.4	0.4	1.9	0.0	18.8	4
1E	0	86	4	0	0	0	-0	17.1	0.4	1.9	0.0	17.5	4
1I	0	-30	4	0	0	0	-0	6.0	0.3	1.9	0.0	6.9	5
1M	0	24	4	0	0	0	-0	4.8	0.3	1.9	0.0	5.8	5
2	0	-100	4	12	0	0	-0	19.8	0.9	6.5	0.0	23.0	3
3	0	-294	3	8	0	0	-0	58.4	0.5	4.0	0.0	59.0	3
4	0	-556	3	8	0	0	-0	110.4	0.6	4.0	0.0	111.0	6
5	0	-1163	3	8	0	-0	-0	230.8	0.8	4.0	0.0	231.6	6
6	0	91	5	3	0	0	-0	18.1	0.5	2.5	0.0	18.9	4
7	0	-303	3	2	0	0	-0	60.0	0.3	1.6	0.0	60.3	6
8	0	-571	3	2	0	0	-0	113.2	0.4	1.6	0.0	113.7	6
9	0	-1333	3	2	0	-0	-0	264.5	0.7	1.6	0.0	265.1	6
10	0	40	4	12	0	0	-0	8.0	0.8	6.5	0.0	13.9	3
11	0	-210	3	8	0	-0	-0	41.7	0.5	4.0	0.0	42.5	3
12	0	-456	3	8	0	0	-0	90.4	0.6	4.0	0.0	91.0	6
13	0	-1049	3	8	0	-0	-0	208.1	0.8	4.0	0.0	208.9	6
14	0	94	5	3	0	0	-0	18.7	0.5	2.7	0.0	19.5	4
15	0	-304	3	2	0	-0	-0	60.2	0.3	1.6	0.0	60.5	6
16	0	-547	3	2	0	0	-0	108.6	0.4	1.6	0.0	109.0	6
17	0	-1289	3	2	0	-0	-0	255.8	0.6	1.6	0.0	256.4	6
1A	105	-91	-0	0	0	-0	2	18.0	41.7	0.0	0.0	59.7	6
1E	105	89	-0	0	0	-0	2	17.6	41.7	0.0	0.0	59.3	6
1I	105	-28	-0	0	0	-0	2	5.6	41.7	0.0	0.0	47.3	6
1M	105	26	-0	0	0	-0	2	5.2	41.7	0.0	0.0	46.9	6
2	105	-96	-0	0	0	-6	2	19.0	161.1	0.0	0.0	180.0	1
3	105	-292	-0	-0	0	-4	1	57.8	100.5	0.0	0.0	158.4	1
4	105	-554	0	-0	0	-4	1	109.8	100.4	0.0	0.0	210.3	1
5	105	-1161	0	-0	0	-4	1	230.3	100.6	0.0	0.0	330.9	1
6	105	95	-0	0	0	-2	2	18.8	69.2	0.0	0.0	87.9	6
7	105	-301	-0	-0	0	-1	2	59.6	43.3	0.0	0.0	103.0	6
8	105	-569	-0	-0	0	-1	2	112.8	43.2	0.0	0.0	156.1	6
9	105	-1331	0	0	0	-1	2	264.1	43.3	0.0	0.0	307.4	6
10	105	45	-0	0	0	-6	2	8.8	161.2	0.0	0.0	170.0	1
11	105	-207	-0	-0	0	-4	1	41.2	100.6	0.0	0.0	141.7	1
12	105	-453	-0	-0	0	-4	1	89.9	100.5	0.0	0.0	190.3	1
13	105	-1047	0	0	0	-4	1	207.6	100.7	0.0	0.0	308.3	1
14	105	98	-0	0	0	-2	3	19.4	73.3	0.0	0.0	92.8	6
15	105	-301	-0	-0	0	-1	2	59.8	43.3	0.0	0.0	103.1	6
16	105	-545	-0	-0	0	-1	2	108.2	43.3	0.0	0.0	151.4	6
17	105	-1287	0	0	0	-1	2	255.4	43.3	0.0	0.0	298.7	6
1A	210	-89	-4	0	0	-0	-0	17.6	1.2	1.9	0.0	18.7	6
1E	210	91	-4	0	0	-0	-0	18.0	1.2	1.9	0.0	19.2	6
1I	210	-26	-4	0	0	-0	-0	5.2	1.1	1.9	0.0	6.4	4
1M	210	28	-4	0	0	-0	-0	5.6	1.1	1.9	0.0	6.8	4
2	210	-91	-4	-12	0	-0	-0	18.1	1.5	6.4	0.0	21.7	3
3	210	-289	-3	-8	0	0	-0	57.3	0.8	4.0	0.0	58.1	6
4	210	-551	-3	-8	0	0	-0	109.3	0.8	4.0	0.0	110.1	6
5	210	-1158	-3	-8	0	0	-0	229.8	0.6	4.0	0.0	230.3	6
6	210	98	-5	-3	0	-0	-0	19.4	1.8	2.6	0.0	21.2	6
7	210	-299	-3	-2	0	0	-0	59.2	0.6	1.6	0.0	59.8	6
8	210	-567	-3	-2	0	0	-0	112.4	0.6	1.6	0.0	113.0	6
9	210	-1329	-3	-2	0	-0	-0	263.7	0.6	1.6	0.0	264.3	6
10	210	49	-4	-12	0	-0	-0	9.7	1.8	6.4	0.0	15.2	3
11	210	-205	-3	-8	0	0	-0	40.6	0.9	4.0	0.0	41.5	3
12	210	-450	-3	-8	0	0	-0	89.3	0.8	4.0	0.0	90.2	6
13	210	-1044	-3	-8	0	-0	-0	207.1	0.7	4.0	0.0	207.8	6
14	210	101	-5	-3	0	-0	-0	20.1	1.9	2.8	0.0	22.0	6
15	210	-299	-3	-2	0	0	-0	59.4	0.6	1.6	0.0	60.0	6
16	210	-543	-3	-2	0	0	-0	107.8	0.6	1.6	0.0	108.4	6
17	210	-1285	-3	-2	0	-0	-0	255.0	0.7	1.6	0.0	255.6	6

ASTA NUM. 66 NI 94 NF 96 Lungh. 209.8 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5501	-0.1375	--	--	3.3974	2.7098 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
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	cm	daN			daN*m			daN/cmq						
1A	0	465	4	-0	0	-0	-0	92.2	0.2	1.9	0.0	92.4	6	
1E	0	644	4	-0	0	-0	-0	127.8	0.2	1.9	0.0	128.0	6	
1I	0	527	4	-0	0	-0	-0	104.6	0.2	1.9	0.0	104.8	6	
1M	0	582	4	-0	0	-0	-0	115.4	0.2	1.9	0.0	115.6	6	
2	0	850	4	-12	0	-0	-0	168.7	0.7	6.5	0.0	169.4	6	
3	0	736	3	-8	0	-0	-0	146.1	0.5	4.0	0.0	146.5	6	
4	0	974	3	-8	0	-0	-0	193.2	0.4	4.0	0.0	193.5	6	
5	0	1578	3	-8	0	-0	0	313.1	0.1	4.0	0.0	313.2	1	
6	0	808	5	-3	0	-0	-0	160.4	0.4	2.5	0.0	160.8	6	
7	0	824	3	-2	0	-0	-0	163.6	0.3	1.6	0.0	163.9	6	
8	0	1081	3	-2	0	-0	0	214.5	0.0	1.6	0.0	214.5	1	
9	0	1843	3	-2	0	-0	0	365.7	0.1	1.6	0.0	365.8	1	
10	0	787	4	-12	0	-0	-0	156.2	0.7	6.5	0.0	156.9	6	
11	0	693	3	-8	0	-0	-0	137.6	0.4	4.0	0.0	138.0	6	
12	0	917	3	-8	0	-0	-0	181.9	0.4	4.0	0.0	182.3	6	
13	0	1507	3	-8	0	-0	0	299.0	0.1	4.0	0.0	299.1	1	
14	0	811	5	-3	0	-0	-0	161.0	0.4	2.7	0.0	161.4	6	
15	0	824	3	-2	0	-0	-0	163.4	0.3	1.6	0.0	163.7	6	
16	0	1056	3	-2	0	-0	0	209.5	0.0	1.6	0.0	209.6	4	
17	0	1793	3	-2	0	-0	0	355.8	0.1	1.6	0.0	355.9	1	
1A	105	467	-0	-0	0	0	2	92.6	41.6	0.0	0.0	134.3	6	
1E	105	646	-0	-0	0	0	2	128.2	41.6	0.0	0.0	169.8	6	
1I	105	529	-0	-0	0	0	2	105.0	41.7	0.0	0.0	146.7	6	
1M	105	584	-0	-0	0	0	2	115.8	41.7	0.0	0.0	157.5	6	
2	105	855	-0	-0	0	6	2	169.6	161.3	0.0	0.0	330.9	1	
3	105	739	-0	-0	0	4	1	146.6	100.9	0.0	0.0	247.5	1	
4	105	976	-0	-0	0	4	1	193.7	100.9	0.0	0.0	294.6	1	
5	105	1581	-0	-0	0	4	1	313.7	100.7	0.0	0.0	414.4	1	
6	105	812	-0	-0	0	2	2	161.0	69.1	0.0	0.0	230.1	6	
7	105	826	-0	-0	0	1	2	164.0	43.1	0.0	0.0	207.1	6	
8	105	1083	-0	-0	0	1	2	214.9	43.2	0.0	0.0	258.0	6	
9	105	1845	-0	-0	0	1	2	366.1	43.1	0.0	0.0	409.2	6	
10	105	792	-0	-0	0	6	2	157.1	161.3	0.0	0.0	318.4	1	
11	105	696	-0	-0	0	4	1	138.1	100.9	0.0	0.0	239.0	1	
12	105	920	-0	-0	0	4	1	182.5	100.9	0.0	0.0	283.4	1	
13	105	1510	-0	-0	0	4	1	299.5	100.7	0.0	0.0	400.2	1	
14	105	815	-0	-0	0	2	3	161.7	73.2	0.0	0.0	234.9	6	
15	105	826	-0	-0	0	1	2	163.8	43.1	0.0	0.0	206.9	6	
16	105	1058	-0	-0	0	1	2	209.9	43.2	0.0	0.0	253.1	6	
17	105	1795	-0	-0	0	1	2	356.2	43.1	0.0	0.0	399.2	6	
1A	210	469	-4	-0	0	0	-0	93.1	1.6	1.9	0.0	94.7	6	
1E	210	648	-4	-0	0	0	-0	128.6	1.6	1.9	0.0	130.2	6	
1I	210	531	-4	-0	0	0	-0	105.4	1.6	1.9	0.0	107.0	6	
1M	210	586	-4	-0	0	0	-0	116.2	1.6	1.9	0.0	117.8	6	
2	210	859	-4	12	0	0	-0	170.5	2.3	6.4	0.0	172.8	6	
3	210	742	-3	8	0	0	-0	147.2	1.8	4.0	0.0	148.9	6	
4	210	979	-3	8	0	0	-0	194.2	1.8	4.0	0.0	196.0	6	
5	210	1584	-3	8	0	0	-0	314.3	1.7	4.0	0.0	316.0	6	
6	210	815	-5	3	0	0	-0	161.7	2.5	2.6	0.0	164.1	6	
7	210	829	-3	2	0	0	-0	164.4	2.0	1.6	0.0	166.4	6	
8	210	1085	-3	2	0	0	-0	215.3	1.9	1.6	0.0	217.2	6	
9	210	1847	-3	2	0	0	-0	366.5	1.8	1.6	0.0	368.3	6	
10	210	796	-4	12	0	0	-0	158.0	2.4	6.4	0.0	160.4	6	
11	210	699	-3	8	0	0	-0	138.7	1.8	4.0	0.0	140.5	6	
12	210	922	-3	8	0	0	-0	183.0	1.9	4.0	0.0	184.9	6	
13	210	1512	-3	8	0	0	-0	300.0	1.7	4.0	0.0	301.7	6	
14	210	818	-5	3	0	0	-0	162.4	2.6	2.8	0.0	165.0	6	
15	210	828	-3	2	0	0	-0	164.2	2.1	1.6	0.0	166.3	6	
16	210	1060	-3	2	0	0	-0	210.3	2.0	1.6	0.0	212.3	6	
17	210	1797	-3	2	0	0	-0	356.5	1.9	1.6	0.0	358.4	6	

ASTA NUM. 67 NI 91 NF 94 Lungh. 229.9 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5201	-0.1300	--	--	3.4258	2.7757 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
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	cm	daN			daN*m			daN/cmq						
1A	0	-591	4	-0	0	0	0	117.2	0.3	2.1	0.0	117.6	1	
1E	0	-414	4	-0	0	0	0	82.1	0.3	2.1	0.0	82.4	1	
1I	0	-529	4	-0	0	0	0	105.0	0.3	2.1	0.0	105.3	1	
1M	0	-475	4	-0	0	0	0	94.3	0.3	2.1	0.0	94.6	1	
2	0	-773	5	13	0	0	-0	153.5	0.7	7.1	0.0	154.2	4	
3	0	-667	3	8	0	0	-0	132.3	0.4	4.4	0.0	132.7	6	
4	0	-880	3	8	0	0	-0	174.6	0.5	4.4	0.0	175.1	6	
5	0	-1422	3	8	0	0	-0	282.1	0.6	4.4	0.0	282.8	6	
6	0	-733	5	3	0	0	0	145.3	0.3	2.8	0.0	145.6	1	
7	0	-744	3	2	0	0	0	147.6	0.1	1.8	0.0	147.7	1	
8	0	-974	3	2	0	0	0	193.3	0.1	1.8	0.0	193.4	1	
9	0	-1657	3	2	0	0	-0	328.8	0.4	1.8	0.0	329.1	6	
10	0	-717	5	13	0	0	-0	142.2	0.6	7.1	0.0	143.0	4	
11	0	-629	3	8	0	0	-0	124.7	0.3	4.4	0.0	125.1	3	
12	0	-829	3	8	0	0	-0	164.5	0.5	4.4	0.0	164.9	6	
13	0	-1358	3	8	0	0	-0	269.4	0.6	4.4	0.0	270.0	6	
14	0	-736	6	3	0	0	0	146.1	0.3	3.0	0.0	146.4	1	
15	0	-744	3	2	0	0	0	147.5	0.1	1.8	0.0	147.6	1	
16	0	-952	3	2	0	0	0	188.8	0.1	1.8	0.0	188.9	1	
17	0	-1613	3	2	0	0	-0	320.0	0.3	1.8	0.0	320.4	6	
1A	115	-589	-0	-0	0	0	2	116.8	50.7	0.0	0.0	167.5	6	
1E	115	-411	-0	-0	0	0	2	81.6	50.7	0.0	0.0	132.3	6	
1I	115	-527	-0	-0	0	0	2	104.6	50.7	0.0	0.0	155.2	6	

1M	115	-473	-0	-0	0	0	2	93.9	50.7	0.0	0.0	144.5	6
2	115	-769	-0	-0	0	-8	3	152.5	193.4	0.0	0.0	345.9	1
3	115	-664	-0	-0	0	-5	2	131.7	120.8	0.0	0.0	252.5	1
4	115	-877	-0	-0	0	-5	2	174.0	120.8	0.0	0.0	294.8	1
5	115	-1419	-0	-0	0	-5	2	281.5	120.9	0.0	0.0	402.4	1
6	115	-729	-0	-0	0	-2	3	144.6	83.6	0.0	0.0	228.3	6
7	115	-742	-0	-0	0	-1	2	147.2	52.4	0.0	0.0	199.6	6
8	115	-972	-0	-0	0	-1	2	192.9	52.3	0.0	0.0	245.2	6
9	115	-1655	-0	-0	0	-1	2	328.4	52.4	0.0	0.0	380.8	6
10	115	-712	-0	-0	0	-8	3	141.3	193.4	0.0	0.0	334.7	1
11	115	-626	-0	-0	0	-5	2	124.1	120.8	0.0	0.0	244.9	1
12	115	-826	-0	-0	0	-5	2	163.9	120.8	0.0	0.0	284.7	1
13	115	-1355	-0	-0	0	-5	2	268.8	120.9	0.0	0.0	389.7	1
14	115	-733	-0	-0	0	-2	3	145.3	88.7	0.0	0.0	234.0	6
15	115	-741	-0	-0	0	-1	2	147.1	52.4	0.0	0.0	199.5	6
16	115	-949	-0	-0	0	-1	2	188.4	52.3	0.0	0.0	240.7	6
17	115	-1610	-0	-0	0	-1	2	319.5	52.4	0.0	0.0	371.9	6
1A	230	-586	-4	-0	0	0	-0	116.3	1.4	2.1	0.0	117.7	6
1E	230	-409	-4	-0	0	0	-0	81.2	1.4	2.1	0.0	82.6	6
1I	230	-525	-4	-0	0	0	-0	104.1	1.4	2.1	0.0	105.5	6
1M	230	-471	-4	-0	0	0	-0	93.4	1.4	2.1	0.0	94.8	6
2	230	-764	-5	-13	0	0	-0	151.6	2.5	7.1	0.0	154.0	6
3	230	-661	-3	-8	0	0	-0	131.2	1.4	4.4	0.0	132.5	6
4	230	-874	-3	-8	0	0	-0	173.4	1.3	4.4	0.0	174.7	6
5	230	-1416	-3	-8	0	0	-0	281.0	1.1	4.4	0.0	282.1	6
6	230	-725	-5	-3	0	0	-0	143.9	2.3	2.8	0.0	146.2	6
7	230	-740	-3	-2	0	0	-0	146.8	1.2	1.8	0.0	148.0	6
8	230	-970	-3	-2	0	0	-0	192.5	1.2	1.8	0.0	193.6	6
9	230	-1653	-3	-2	0	0	-0	328.0	0.9	1.8	0.0	328.9	6
10	230	-707	-5	-13	0	0	-0	140.4	2.7	7.1	0.0	143.0	6
11	230	-623	-3	-8	0	0	-0	123.5	1.5	4.4	0.0	125.0	6
12	230	-823	-3	-8	0	0	-0	163.3	1.4	4.4	0.0	164.7	6
13	230	-1352	-3	-8	0	0	-0	268.3	1.2	4.4	0.0	269.5	6
14	230	-729	-6	-3	0	0	-0	144.6	2.5	3.1	0.0	147.0	6
15	230	-739	-3	-2	0	0	-0	146.6	1.3	1.8	0.0	147.9	6
16	230	-947	-3	-2	0	0	-0	187.9	1.2	1.8	0.0	189.1	6
17	230	-1608	-3	-2	0	0	-0	319.0	1.0	1.8	0.0	320.0	6

ASTA NUM. 68 NI 92 NF 93 Lungh. 229.9 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5201	-0.1300	--	--	3.4258	2.7757 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-91	4	0	0	-0	0	18.1	0.2	2.1	0.0	18.5	5	
1E	0	86	4	0	0	-0	0	17.1	0.2	2.1	0.0	17.5	5	
1I	0	-29	4	0	0	-0	0	5.8	0.3	2.1	0.0	7.0	5	
1M	0	24	4	0	0	-0	0	4.8	0.3	2.1	0.0	6.1	5	
2	0	79	5	-13	0	-0	-0	15.6	0.6	7.1	0.0	20.0	3	
3	0	257	3	-8	0	-0	-0	50.9	0.4	4.4	0.0	51.7	4	
4	0	492	3	-8	0	-0	-0	97.5	0.4	4.4	0.0	98.0	4	
5	0	1035	3	-8	0	-0	0	205.4	0.3	4.4	0.0	205.7	1	
6	0	-90	5	-3	0	-0	0	17.8	0.4	2.8	0.0	18.7	4	
7	0	266	3	-2	0	-0	0	52.8	0.4	1.8	0.0	53.2	1	
8	0	506	3	-2	0	-0	0	100.5	0.4	1.7	0.0	100.8	1	
9	0	1190	3	-2	0	-0	0	236.1	0.4	1.7	0.0	236.5	1	
10	0	-47	5	-13	0	-0	-0	9.3	0.5	7.1	0.0	15.5	3	
11	0	181	3	-8	0	-0	-0	36.0	0.4	4.4	0.0	36.9	4	
12	0	401	3	-8	0	-0	0	79.6	0.3	4.4	0.0	80.1	4	
13	0	934	3	-8	0	-0	0	185.2	0.3	4.4	0.0	185.6	1	
14	0	-94	6	-3	0	-0	0	18.6	0.5	3.0	0.0	19.5	4	
15	0	267	3	-2	0	-0	0	52.9	0.4	1.8	0.0	53.3	1	
16	0	485	3	-2	0	-0	0	96.3	0.4	1.7	0.0	96.6	1	
17	0	1150	3	-2	0	-0	0	228.2	0.4	1.7	0.0	228.6	1	
1A	115	-89	-0	0	0	-0	2	17.6	50.5	0.0	0.0	68.2	6	
1E	115	88	-0	0	0	-0	2	17.5	50.5	0.0	0.0	68.1	6	
1I	115	-27	-0	0	0	-0	2	5.4	50.5	0.0	0.0	55.9	6	
1M	115	27	-0	0	0	-0	2	5.3	50.5	0.0	0.0	55.8	6	
2	115	83	-0	0	0	8	3	16.5	193.4	0.0	0.0	209.9	1	
3	115	260	-0	0	0	5	2	51.5	120.8	0.0	0.0	172.4	1	
4	115	494	-0	0	0	5	2	98.1	120.9	0.0	0.0	219.0	1	
5	115	1038	-0	0	0	5	2	206.0	120.8	0.0	0.0	326.7	1	
6	115	-86	-0	0	0	2	3	17.1	83.5	0.0	0.0	100.6	6	
7	115	268	-0	-0	0	1	2	53.2	52.1	0.0	0.0	105.3	6	
8	115	509	-0	-0	0	1	2	100.9	52.2	0.0	0.0	153.1	6	
9	115	1193	-0	-0	0	1	2	236.6	52.1	0.0	0.0	288.7	6	
10	115	-42	-0	0	0	8	3	8.4	193.4	0.0	0.0	201.8	1	
11	115	184	-0	0	0	5	2	36.6	120.8	0.0	0.0	157.4	1	
12	115	404	-0	0	0	5	2	80.2	120.9	0.0	0.0	201.1	1	
13	115	936	-0	0	0	5	2	185.8	120.7	0.0	0.0	306.5	1	
14	115	-90	-0	0	0	2	3	17.8	88.6	0.0	0.0	106.4	6	
15	115	269	-0	-0	0	1	2	53.4	52.1	0.0	0.0	105.4	6	
16	115	487	-0	-0	0	1	2	96.7	52.1	0.0	0.0	148.9	6	
17	115	1152	-0	-0	0	1	2	228.6	52.1	0.0	0.0	280.7	6	
1A	230	-87	-4	0	0	-0	-0	17.2	1.6	2.1	0.0	18.8	6	
1E	230	91	-4	0	0	-0	-0	18.0	1.6	2.1	0.0	19.6	6	
1I	230	-25	-4	0	0	-0	-0	4.9	1.6	2.1	0.0	6.5	6	
1M	230	29	-4	0	0	-0	-0	5.7	1.6	2.1	0.0	7.3	6	
2	230	88	-5	13	0	-0	-0	17.5	2.8	7.1	0.0	22.1	3	
3	230	263	-3	8	0	-0	-0	52.1	1.8	4.4	0.0	53.9	6	
4	230	497	-3	8	0	-0	-0	98.7	1.8	4.4	0.0	100.5	6	
5	230	1041	-3	8	0	-0	-0	206.5	2.0	4.4	0.0	208.6	6	
6	230	-83	-5	3	0	-0	-0	16.4	2.5	2.9	0.0	18.9	6	
7	230	271	-3	2	0	-0	-0	53.7	1.7	1.8	0.0	55.4	6	
8	230	511	-3	2	0	-0	-0	101.4	1.7	1.8	0.0	103.1	6	
9	230	1195	-3	2	0	-0	-0	237.1	2.0	1.8	0.0	239.1	6	
10	230	-38	-5	13	0	-0	-0	7.5	2.9	7.1	0.0	14.9	3	
11	230	187	-3	8	0	-0	-0	37.2	1.9	4.4	0.0	39.0	6	
12	230	407	-3	8	0	-0	-0	80.8	1.9	4.4	0.0	82.7	6	
13	230	939	-3	8	0	-0	-0	186.4	2.1	4.4	0.0	188.5	6	
14	230	-86	-6	3	0	-0	-0	17.1	2.7	3.1	0.0	19.8	6	
15	230	271	-3	2	0	-0	-0	53.8	1.7	1.8	0.0	55.5	6	
16	230	490	-3	2	0	-0	-0	97.2	1.7	1.8	0.0	98.9	6	
17	230	1154	-3	2	0	-0	-0	229.0	2.0	1.8	0.0	231.0	6	

ASTA NUM. 69 NI 87 NF 91 Lungh. 252.6 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5071	-0.1268	--	--	3.4381	2.8042 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	354	4	0	0	0	0	70.3	0.2	2.3	0.0	70.5	6	
1E	0	535	4	0	0	0	0	106.2	0.2	2.3	0.0	106.4	6	
1I	0	417	4	0	0	0	0	82.8	0.1	2.3	0.0	82.9	4	
1M	0	472	4	0	0	0	0	93.7	0.1	2.3	0.0	93.8	4	
2	0	682	5	-15	0	-0	-0	135.4	2.1	7.8	0.0	137.5	1	
3	0	592	3	-9	0	-0	0	117.5	1.3	4.9	0.0	118.8	1	
4	0	785	3	-9	0	-0	0	155.7	1.3	4.9	0.0	156.9	1	
5	0	1274	3	-9	0	-0	0	252.8	1.4	4.9	0.0	254.1	1	
6	0	648	6	-4	0	-0	0	128.6	0.5	3.1	0.0	129.0	1	
7	0	664	4	-2	0	-0	0	131.7	0.4	1.9	0.0	132.0	1	
8	0	872	4	-2	0	-0	0	173.0	0.3	1.9	0.0	173.3	1	
9	0	1488	4	-2	0	-0	0	295.2	0.4	1.9	0.0	295.6	1	
10	0	631	5	-15	0	-0	0	125.3	2.0	7.8	0.0	127.3	1	
11	0	558	3	-9	0	-0	0	110.6	1.3	4.9	0.0	111.9	1	
12	0	739	3	-9	0	-0	0	146.6	1.2	4.9	0.0	147.8	1	
13	0	1216	3	-9	0	-0	0	241.3	1.3	4.9	0.0	242.6	1	
14	0	651	6	-4	0	-0	0	129.2	0.4	3.3	0.0	129.6	1	
15	0	663	4	-2	0	-0	0	131.6	0.3	1.9	0.0	132.0	1	
16	0	851	4	-2	0	-0	0	168.9	0.3	1.9	0.0	169.2	1	
17	0	1448	4	-2	0	-0	0	287.3	0.4	1.9	0.0	287.7	1	
1A	126	357	-0	0	0	0	3	70.8	61.4	0.0	0.0	132.2	6	
1E	126	538	-0	0	0	0	3	106.7	61.4	0.0	0.0	168.1	6	
1I	126	420	-0	0	0	0	3	83.3	61.3	0.0	0.0	144.6	6	
1M	126	475	-0	0	0	0	3	94.2	61.3	0.0	0.0	155.5	6	
2	126	688	-0	-0	0	9	3	136.4	233.5	0.0	0.0	369.9	1	
3	126	596	-0	-0	0	6	2	118.2	145.8	0.0	0.0	264.0	1	
4	126	788	-0	-0	0	6	2	156.3	145.9	0.0	0.0	302.2	1	
5	126	1277	-0	-0	0	6	2	253.4	145.8	0.0	0.0	399.1	1	
6	126	652	-0	-0	0	2	4	129.4	101.7	0.0	0.0	231.1	6	
7	126	666	-0	-0	0	1	2	132.2	63.5	0.0	0.0	195.6	6	
8	126	874	-0	-0	0	1	2	173.4	63.5	0.0	0.0	236.9	6	
9	126	1491	-0	-0	0	1	2	295.7	63.4	0.0	0.0	359.2	6	
10	126	637	-0	-0	0	9	3	126.3	233.5	0.0	0.0	359.8	1	
11	126	561	-0	-0	0	6	2	111.3	145.8	0.0	0.0	257.1	1	
12	126	742	-0	-0	0	6	2	147.2	145.9	0.0	0.0	293.1	1	
13	126	1220	-0	-0	0	6	2	242.0	145.8	0.0	0.0	387.7	1	
14	126	655	-0	-0	0	2	4	130.0	107.8	0.0	0.0	237.8	6	
15	126	666	-0	-0	0	1	2	132.1	63.5	0.0	0.0	195.6	6	
16	126	854	-0	-0	0	1	2	169.4	63.5	0.0	0.0	232.9	6	
17	126	1451	-0	-0	0	1	2	287.8	63.4	0.0	0.0	351.2	6	
1A	253	359	-4	0	0	0	-0	71.3	1.3	2.3	0.0	72.6	6	
1E	253	540	-4	0	0	0	-0	107.2	1.3	2.3	0.0	108.4	6	
1I	253	422	-4	0	0	0	-0	83.8	1.3	2.3	0.0	85.1	6	
1M	253	477	-4	0	0	0	-0	94.7	1.3	2.3	0.0	96.0	6	
2	253	693	-5	15	0	-0	-0	137.4	2.5	7.8	0.0	139.9	6	
3	253	599	-3	9	0	-0	-0	118.8	1.6	4.9	0.0	120.4	6	
4	253	791	-3	9	0	-0	-0	156.9	1.6	4.9	0.0	158.6	6	
5	253	1280	-3	9	0	-0	-0	254.0	1.8	4.9	0.0	255.8	6	
6	253	656	-6	4	0	-0	-0	130.1	2.1	3.1	0.0	132.2	6	
7	253	669	-4	2	0	0	-0	132.7	1.4	2.0	0.0	134.1	6	

8	253	877	-4	2	0	0	-0	173.9	1.5	2.0	0.0	175.4	6
9	253	1493	-4	2	0	-0	-0	296.2	1.7	2.0	0.0	297.9	6
10	253	642	-5	15	0	-0	-0	127.3	2.6	7.8	0.0	129.9	6
11	253	564	-3	9	0	-0	-0	111.9	1.7	4.9	0.0	113.6	6
12	253	745	-3	9	0	-0	-0	147.8	1.7	4.9	0.0	149.5	6
13	253	1223	-3	9	0	-0	-0	242.7	1.9	4.9	0.0	244.5	6
14	253	659	-6	4	0	-0	-0	130.8	2.2	3.4	0.0	133.0	6
15	253	668	-4	2	0	0	-0	132.6	1.5	2.0	0.0	134.1	6
16	253	856	-4	2	0	0	-0	169.8	1.5	2.0	0.0	171.3	6
17	253	1453	-4	2	0	-0	-0	288.3	1.7	2.0	0.0	290.0	6

ASTA NUM. 70 NI 88 NF 92 Lungh. 252.6 cm SEZ. 12 L. a= 0.065 b= 0.065 c= 0.004 d= 0.004 m pos= 1

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5071	-0.1268	--	--	3.4381	2.8042 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-97	4	-0	0	0	-0	19.2	0.1	2.3	0.0	19.6	5	
1E	0	84	4	-0	0	0	-0	16.6	0.1	2.3	0.0	17.1	5	
1I	0	-34	4	-0	0	0	-0	6.7	0.2	2.3	0.0	7.8	5	
1M	0	21	4	-0	0	0	-0	4.2	0.2	2.3	0.0	5.8	5	
2	0	-87	5	15	0	0	-0	17.2	2.1	7.8	0.0	22.3	4	
3	0	-242	3	9	0	0	-0	48.0	1.3	4.9	0.0	49.3	1	
4	0	-454	3	9	0	0	-0	90.0	1.4	4.9	0.0	91.4	1	
5	0	-945	3	9	0	0	-0	187.5	1.3	4.9	0.0	188.8	1	
6	0	68	6	4	0	0	0	13.4	0.4	3.1	0.0	14.8	4	
7	0	-249	4	2	0	0	0	49.3	0.2	1.9	0.0	49.5	1	
8	0	-466	4	2	0	0	-0	92.4	0.4	1.9	0.0	92.7	1	
9	0	-1083	4	2	0	0	-0	214.9	0.4	1.9	0.0	215.3	6	
10	0	27	5	15	0	0	0	5.3	2.0	7.8	0.0	14.5	3	
11	0	-174	3	9	0	0	0	34.5	1.2	4.9	0.0	35.9	4	
12	0	-372	3	9	0	0	0	73.8	1.2	4.9	0.0	75.1	1	
13	0	-853	3	9	0	0	-0	169.2	1.3	4.9	0.0	170.5	1	
14	0	71	6	4	0	0	-0	14.0	0.5	3.3	0.0	15.5	4	
15	0	-249	4	2	0	0	0	49.4	0.2	1.9	0.0	49.6	4	
16	0	-446	4	2	0	0	0	88.6	0.3	1.9	0.0	88.8	1	
17	0	-1047	4	2	0	0	-0	207.7	0.4	1.9	0.0	208.1	6	
1A	126	-94	-0	-0	0	0	3	18.7	61.5	0.0	0.0	80.2	6	
1E	126	86	-0	-0	0	0	3	17.1	61.5	0.0	0.0	78.6	6	
1I	126	-31	-0	-0	0	0	3	6.2	61.4	0.0	0.0	67.7	6	
1M	126	23	-0	-0	0	0	3	4.6	61.4	0.0	0.0	66.1	6	
2	126	-82	-0	0	0	-9	3	16.2	233.4	0.0	0.0	249.7	1	
3	126	-239	-0	0	0	-6	2	47.3	145.8	0.0	0.0	193.2	1	
4	126	-451	-0	0	0	-6	2	89.4	145.8	0.0	0.0	235.2	1	
5	126	-942	-0	0	0	-6	2	186.8	145.9	0.0	0.0	332.7	1	
6	126	72	-0	0	0	-2	4	14.2	101.8	0.0	0.0	116.0	6	
7	126	-246	-0	-0	0	-1	2	48.8	63.7	0.0	0.0	112.5	6	
8	126	-463	-0	-0	0	-1	2	91.9	63.7	0.0	0.0	155.6	6	
9	126	-1080	-0	-0	0	-1	2	214.4	63.7	0.0	0.0	278.1	6	
10	126	32	-0	0	0	-9	3	6.3	233.5	0.0	0.0	239.8	1	
11	126	-171	-0	0	0	-6	2	33.8	145.8	0.0	0.0	179.7	1	
12	126	-369	-0	0	0	-6	2	73.2	145.8	0.0	0.0	219.0	1	
13	126	-850	-0	0	0	-6	2	168.6	145.9	0.0	0.0	314.5	1	
14	126	75	-0	0	0	-2	4	14.8	107.9	0.0	0.0	122.8	6	
15	126	-247	-0	-0	0	-1	2	48.9	63.7	0.0	0.0	112.6	6	
16	126	-444	-0	-0	0	-1	2	88.1	63.7	0.0	0.0	151.7	6	
17	126	-1044	-0	-0	0	-1	2	207.2	63.7	0.0	0.0	271.0	6	
1A	253	-92	-4	-0	0	0	-0	18.2	1.1	2.3	0.0	19.3	6	
1E	253	89	-4	-0	0	0	-0	17.6	1.1	2.3	0.0	18.7	6	
1I	253	-29	-4	-0	0	0	-0	5.8	1.1	2.3	0.0	7.1	4	
1M	253	26	-4	-0	0	0	-0	5.1	1.1	2.3	0.0	6.6	4	
2	253	-77	-5	-15	0	0	-0	15.2	2.2	7.8	0.0	20.8	3	
3	253	-235	-3	-9	0	0	-0	46.7	1.3	4.9	0.0	48.0	6	
4	253	-447	-3	-9	0	0	-0	88.8	1.2	4.9	0.0	90.0	6	
5	253	-938	-3	-9	0	0	-0	186.2	1.0	4.9	0.0	187.2	6	
6	253	76	-6	-4	0	0	-0	15.0	1.9	3.1	0.0	16.8	6	
7	253	-244	-4	-2	0	0	-0	48.4	1.0	2.0	0.0	49.4	6	
8	253	-461	-4	-2	0	0	-0	91.4	1.0	2.0	0.0	92.4	6	
9	253	-1078	-4	-2	0	0	-0	213.9	0.7	2.0	0.0	214.6	6	
10	253	37	-5	-15	0	0	-0	7.3	2.3	7.8	0.0	15.7	3	
11	253	-167	-3	-9	0	0	-0	33.2	1.3	4.9	0.0	34.7	4	
12	253	-366	-3	-9	0	0	-0	72.6	1.3	4.9	0.0	73.9	6	
13	253	-846	-3	-9	0	0	-0	167.9	1.1	4.9	0.0	169.0	6	
14	253	79	-6	-4	0	0	-0	15.7	2.0	3.4	0.0	17.7	6	
15	253	-244	-4	-2	0	0	-0	48.4	1.0	2.0	0.0	49.5	6	
16	253	-441	-4	-2	0	0	-0	87.6	1.0	2.0	0.0	88.6	6	
17	253	-1042	-4	-2	0	0	-0	206.7	0.8	2.0	0.0	207.5	6	

ASTA NUM. 71 NI 89 NF 18 Lungh. 132.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4999	0.1250	--	--	4.3335	4.9584 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-1493	3	0	0	0	0	235.5	1.1	1.3	0.0	236.6	6	
1E	0	-1285	3	0	0	0	0	202.6	1.1	1.3	0.0	203.7	6	
1I	0	-1457	3	0	0	0	0	229.9	1.0	1.3	0.0	230.8	6	
1M	0	-1321	3	0	0	0	0	208.3	1.0	1.3	0.0	209.3	6	
2	0	-1859	4	-7	0	0	0	293.2	3.7	3.3	0.0	296.9	1	
3	0	-1160	3	-5	0	0	0	183.0	2.4	2.1	0.0	185.4	1	
4	0	-1471	3	-5	0	0	0	232.0	2.4	2.1	0.0	234.4	1	
5	0	-1122	3	-5	0	0	0	177.0	2.4	2.1	0.0	179.3	1	
6	0	-2203	4	-2	0	0	0	347.5	1.7	1.8	0.0	349.1	6	
7	0	-1387	2	-1	0	0	0	218.8	1.1	1.1	0.0	219.9	6	
8	0	-1774	2	-1	0	0	0	279.8	1.3	1.1	0.0	281.1	6	
9	0	-1340	2	-1	0	0	0	211.4	1.1	1.1	0.0	212.4	6	
10	0	-2039	4	-7	0	0	0	321.6	3.6	3.3	0.0	325.2	1	
11	0	-1269	3	-5	0	0	0	200.2	2.4	2.1	0.0	202.5	1	
12	0	-1581	3	-5	0	0	0	249.4	2.4	2.1	0.0	251.7	1	
13	0	-1224	3	-5	0	0	0	193.1	2.4	2.1	0.0	195.4	1	
14	0	-2097	4	-2	0	0	0	330.8	1.6	1.9	0.0	332.4	6	
15	0	-1318	2	-1	0	0	0	207.9	1.1	1.1	0.0	209.0	6	
16	0	-1704	2	-1	0	0	0	268.8	1.2	1.1	0.0	270.0	6	
17	0	-1255	2	-1	0	0	0	197.9	1.1	1.1	0.0	199.0	6	
1A	66	-1495	-0	0	0	-0	1	235.8	18.1	0.0	0.0	253.9	6	
1E	66	-1286	-0	0	0	-0	1	202.9	18.1	0.0	0.0	221.0	6	
1I	66	-1459	-0	0	0	-0	1	230.1	18.1	0.0	0.0	248.2	6	
1M	66	-1322	-0	0	0	-0	1	208.5	18.1	0.0	0.0	226.6	6	
2	66	-1861	-0	0	0	2	1	293.5	57.2	0.2	0.0	350.7	1	
3	66	-1161	-0	0	0	2	1	183.1	35.9	0.1	0.0	219.0	1	
4	66	-1472	-0	0	0	2	1	232.2	35.9	0.1	0.0	268.0	1	
5	66	-1123	-0	0	0	2	1	177.1	36.0	0.1	0.0	213.0	1	
6	66	-2205	-0	0	0	1	1	347.8	29.6	0.1	0.0	377.4	6	
7	66	-1388	-0	0	0	0	1	219.0	18.7	0.0	0.0	237.7	6	
8	66	-1775	-0	0	0	0	1	280.0	18.8	0.0	0.0	298.8	6	
9	66	-1341	-0	0	0	0	1	211.6	18.7	0.0	0.0	230.3	6	
10	66	-2041	-0	0	0	2	1	321.8	57.1	0.2	0.0	378.9	1	
11	66	-1270	-0	0	0	2	1	200.3	35.8	0.1	0.0	236.1	1	
12	66	-1582	-0	0	0	2	1	249.5	35.8	0.1	0.0	285.3	1	
13	66	-1225	-0	0	0	2	1	193.1	35.9	0.1	0.0	229.0	1	
14	66	-2099	-0	0	0	1	1	331.1	31.5	0.1	0.0	362.6	6	
15	66	-1319	-0	0	0	0	1	208.0	18.7	0.0	0.0	226.8	6	
16	66	-1705	-0	0	0	0	1	268.9	18.8	0.0	0.0	287.8	6	
17	66	-1256	-0	0	0	0	1	198.2	18.7	0.0	0.0	216.9	6	
1A	132	-1496	-3	0	0	-0	-0	236.0	2.3	1.3	0.0	238.3	1	
1E	132	-1288	-3	0	0	-0	-0	203.1	2.3	1.3	0.0	205.4	1	
1I	132	-1460	-3	0	0	-0	-0	230.3	2.6	1.3	0.0	232.9	1	
1M	132	-1324	-3	0	0	-0	-0	208.8	2.6	1.3	0.0	211.4	1	
2	132	-1862	-5	8	0	-0	-0	293.7	7.1	3.6	0.0	300.8	1	
3	132	-1162	-3	5	0	-0	-0	183.3	4.3	2.3	0.0	187.6	1	
4	132	-1473	-3	5	0	-0	-0	232.3	4.3	2.3	0.0	236.6	1	
5	132	-1123	-3	5	0	-0	-0	177.1	4.0	2.3	0.0	181.2	1	
6	132	-2207	-4	2	0	-0	-0	348.1	4.1	2.0	0.0	352.2	1	
7	132	-1390	-3	1	0	-0	-0	219.2	2.3	1.2	0.0	221.6	1	
8	132	-1777	-3	1	0	-0	-0	280.3	2.4	1.2	0.0	282.7	1	
9	132	-1343	-3	1	0	-0	-0	211.8	2.1	1.2	0.0	213.9	1	
10	132	-2042	-5	8	0	-0	-0	322.1	7.2	3.6	0.0	329.3	1	
11	132	-1271	-3	5	0	-0	-0	200.5	4.4	2.3	0.0	204.8	1	
12	132	-1583	-3	5	0	-0	-0	249.7	4.3	2.3	0.0	254.0	1	
13	132	-1225	-3	5	0	-0	-0	193.2	4.1	2.3	0.0	197.3	1	
14	132	-2101	-5	2	0	-0	-0	331.4	4.1	2.1	0.0	335.4	1	
15	132	-1320	-3	1	0	-0	-0	208.2	2.3	1.2	0.0	210.5	1	
16	132	-1706	-3	1	0	-0	-0	269.1	2.3	1.2	0.0	271.4	1	
17	132	-1258	-3	1	0	-0	-0	198.4	2.0	1.2	0.0	200.5	1	

ASTA NUM. 72 NI 90 NF 18 Lungh. 132.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4999	0.1250	--	--	4.3335	4.9584 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-1085	3	-0	0	0	0	171.1	0.8	1.3	0.0	171.9	6	
1E	0	-876	3	-0	0	0	0	138.2	0.8	1.3	0.0	139.0	6	
1I	0	-1049	3	-0	0	0	0	165.4	0.7	1.3	0.0	166.1	6	
1M	0	-912	3	-0	0	0	0	143.9	0.7	1.3	0.0	144.6	6	
2	0	-1467	4	7	0	-0	0	231.4	3.5	3.3	0.0	234.9	1	
3	0	-750	3	5	0	-0	0	118.3	2.1	2.1	0.0	120.4	1	

4	0	-365	3	5	0	-0	0	57.6	2.1	2.1	0.0	59.7	1
5	0	-778	3	5	0	-0	0	122.8	2.0	2.1	0.0	124.8	1
6	0	-1678	4	2	0	-0	0	264.7	1.4	1.8	0.0	266.1	6
7	0	-803	2	1	0	-0	0	126.6	0.7	1.1	0.0	127.3	6
8	0	-386	2	1	0	-0	0	60.9	0.7	1.1	0.0	61.5	1
9	0	-913	2	1	0	-0	0	144.1	0.7	1.1	0.0	144.8	6
10	0	-1491	4	7	0	-0	0	235.2	3.5	3.3	0.0	238.7	1
11	0	-762	3	5	0	-0	0	120.2	2.1	2.1	0.0	122.3	1
12	0	-400	3	5	0	-0	0	63.1	2.1	2.1	0.0	65.2	1
13	0	-782	3	5	0	-0	0	123.4	2.1	2.1	0.0	125.4	1
14	0	-1572	4	2	0	-0	0	247.9	1.4	1.9	0.0	249.3	6
15	0	-733	2	1	0	-0	0	115.6	0.7	1.1	0.0	116.3	6
16	0	-352	2	1	0	-0	0	55.5	0.6	1.1	0.0	56.1	1
17	0	-827	2	1	0	-0	0	130.4	0.7	1.1	0.0	131.1	6
1A	66	-1087	-0	-0	0	0	1	171.4	17.9	0.0	0.0	189.2	6
1E	66	-878	-0	-0	0	0	1	138.5	17.9	0.0	0.0	156.3	6
1I	66	-1051	-0	-0	0	0	1	165.7	17.7	0.0	0.0	183.4	6
1M	66	-914	-0	-0	0	0	1	144.1	17.7	0.0	0.0	161.8	6
2	66	-1468	-0	-0	0	-2	1	231.5	57.0	0.2	0.0	288.6	1
3	66	-751	-0	-0	0	-2	1	118.4	35.6	0.1	0.0	154.0	1
4	66	-366	-0	-0	0	-2	1	57.8	35.6	0.1	0.0	93.4	1
5	66	-779	-0	-0	0	-2	1	122.9	35.5	0.1	0.0	158.4	1
6	66	-1680	-0	-0	0	-1	1	265.0	29.4	0.1	0.0	294.4	6
7	66	-804	-0	-0	0	-0	1	126.8	18.3	0.0	0.0	145.1	6
8	66	-387	-0	-0	0	-0	1	61.1	18.2	0.0	0.0	79.3	6
9	66	-915	-0	-0	0	-0	1	144.3	18.3	0.0	0.0	162.5	6
10	66	-1493	-0	-0	0	-2	1	235.4	57.0	0.2	0.0	292.4	1
11	66	-763	-0	-0	0	-2	1	120.3	35.6	0.1	0.0	155.9	1
12	66	-401	-0	-0	0	-2	1	63.2	35.6	0.1	0.0	98.9	1
13	66	-783	-0	-0	0	-2	1	123.5	35.5	0.1	0.0	159.0	1
14	66	-1574	-0	-0	0	-1	1	248.3	31.2	0.1	0.0	279.5	6
15	66	-734	-0	-0	0	-0	1	115.8	18.3	0.0	0.0	134.1	6
16	66	-353	-0	-0	0	-0	1	55.7	18.2	0.0	0.0	73.9	6
17	66	-828	-0	-0	0	-0	1	130.6	18.3	0.0	0.0	148.9	6
1A	132	-1088	-3	-0	0	0	-0	171.6	2.1	1.3	0.0	173.7	6
1E	132	-880	-3	-0	0	0	-0	138.7	2.1	1.3	0.0	140.8	6
1I	132	-1052	-3	-0	0	0	-0	166.0	2.1	1.3	0.0	168.1	6
1M	132	-916	-3	-0	0	0	-0	144.4	2.1	1.3	0.0	146.5	6
2	132	-1469	-5	-8	0	0	-0	231.7	7.2	3.6	0.0	238.9	1
3	132	-752	-3	-5	0	0	-0	118.5	4.6	2.3	0.0	123.1	1
4	132	-367	-3	-5	0	0	-0	57.9	4.4	2.3	0.0	62.3	1
5	132	-780	-3	-5	0	0	-0	123.0	4.6	2.3	0.0	127.6	1
6	132	-1682	-4	-2	0	0	-0	265.3	4.1	2.0	0.0	269.4	1
7	132	-805	-3	-1	0	0	-0	127.0	2.7	1.2	0.0	129.8	1
8	132	-389	-3	-1	0	0	-0	61.3	2.6	1.2	0.0	63.9	6
9	132	-916	-3	-1	0	0	-0	144.5	2.7	1.2	0.0	147.2	1
10	132	-1494	-5	-8	0	0	-0	235.6	7.3	3.6	0.0	243.0	1
11	132	-764	-3	-5	0	0	-0	120.4	4.6	2.3	0.0	125.0	1
12	132	-402	-3	-5	0	0	-0	63.4	4.5	2.3	0.0	67.8	1
13	132	-784	-3	-5	0	0	-0	123.6	4.6	2.3	0.0	128.3	1
14	132	-1576	-5	-2	0	0	-0	248.6	4.1	2.1	0.0	252.7	1
15	132	-736	-3	-1	0	0	-0	116.0	2.6	1.2	0.0	118.6	1
16	132	-354	-3	-1	0	0	-0	55.9	2.6	1.2	0.0	58.5	6
17	132	-829	-3	-1	0	0	-0	130.8	2.7	1.2	0.0	133.5	1

ASTA NUM. 73 NI 89 NF 90 Lungh. 228.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	4.9769	4.9769 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	1254	6	0	0	0	-0	197.8	0.7	2.6	0.0	198.5	6	
1E	0	1276	6	0	0	0	-0	201.3	0.7	2.6	0.0	202.0	6	
1I	0	1228	6	0	0	0	-0	193.7	0.8	2.6	0.0	194.5	6	
1M	0	1302	6	0	0	0	-0	205.3	0.8	2.6	0.0	206.2	6	
2	0	1762	8	-13	0	-0	-0	277.9	1.5	6.1	0.0	279.5	1	
3	0	1010	5	-8	0	-0	-0	159.3	1.0	3.8	0.0	160.3	1	
4	0	972	5	-8	0	-0	-0	153.3	0.9	3.8	0.0	154.2	1	
5	0	1009	5	-8	0	-0	-0	159.1	0.9	3.8	0.0	160.1	1	
6	0	2070	8	-3	0	-0	-0	326.5	1.2	3.6	0.0	327.7	6	
7	0	1165	5	-2	0	-0	-0	183.8	0.7	2.3	0.0	184.4	6	
8	0	1152	5	-2	0	-0	-0	181.7	0.5	2.3	0.0	182.2	6	
9	0	1206	5	-2	0	-0	-0	190.2	0.7	2.3	0.0	190.9	6	
10	0	1882	8	-13	0	-0	-0	296.8	1.5	6.1	0.0	298.3	1	
11	0	1080	5	-8	0	-0	-0	170.3	0.9	3.8	0.0	171.3	1	
12	0	1056	5	-8	0	-0	-0	166.6	0.9	3.8	0.0	167.4	1	
13	0	1071	5	-8	0	-0	-0	168.9	0.9	3.8	0.0	169.9	1	
14	0	1971	9	-3	0	-0	-0	310.9	1.2	3.9	0.0	312.1	6	
15	0	1099	5	-2	0	-0	-0	173.3	0.7	2.3	0.0	174.0	6	
16	0	1105	5	-2	0	-0	-0	174.3	0.5	2.3	0.0	174.8	6	
17	0	1120	5	-2	0	-0	-0	176.7	0.7	2.3	0.0	177.4	6	
1A	114	1254	-0	0	0	0	3	197.8	61.3	0.0	0.0	259.1	6	
1E	114	1276	-0	0	0	0	3	201.3	61.3	0.0	0.0	262.6	6	
1I	114	1228	-0	0	0	0	3	193.7	61.4	0.0	0.0	255.1	6	
1M	114	1302	-0	0	0	0	3	205.3	61.4	0.0	0.0	266.7	6	
2	114	1762	-0	-0	0	8	4	277.9	176.9	0.0	0.0	454.8	1	
3	114	1010	-0	0	0	5	3	159.3	110.5	0.0	0.0	269.8	1	
4	114	972	-0	0	0	5	3	153.3	110.5	0.0	0.0	263.8	1	
5	114	1009	-0	0	0	5	3	159.1	110.5	0.0	0.0	269.7	1	
6	114	2070	-0	-0	0	2	4	326.5	99.3	0.0	0.0	425.8	6	
7	114	1165	-0	0	0	1	3	183.8	62.1	0.0	0.0	245.8	6	
8	114	1152	-0	0	0	1	3	181.7	62.1	0.0	0.0	243.8	6	
9	114	1206	-0	-0	0	1	3	190.2	62.1	0.0	0.0	252.3	6	
10	114	1882	-0	-0	0	8	4	296.8	176.9	0.0	0.0	473.8	1	
11	114	1080	-0	0	0	5	3	170.3	110.5	0.0	0.0	280.8	1	
12	114	1056	-0	0	0	5	3	166.6	110.5	0.0	0.0	277.1	1	
13	114	1071	-0	-0	0	5	3	168.9	110.5	0.0	0.0	279.5	1	
14	114	1971	-0	-0	0	2	5	310.9	105.5	0.0	0.0	416.4	6	
15	114	1099	-0	0	0	1	3	173.3	62.1	0.0	0.0	235.4	6	
16	114	1105	-0	0	0	1	3	174.3	62.1	0.0	0.0	236.4	6	
17	114	1120	-0	-0	0	1	3	176.7	62.1	0.0	0.0	238.8	6	
1A	228	1254	-6	0	0	0	-0	197.8	1.1	2.6	0.0	198.9	6	
1E	228	1276	-6	0	0	0	-0	201.3	1.1	2.6	0.0	202.4	6	
1I	228	1228	-6	0	0	0	-0	193.7	1.1	2.6	0.0	194.8	6	
1M	228	1302	-6	0	0	0	-0	205.3	1.1	2.6	0.0	206.5	6	
2	228	1762	-8	13	0	-0	-0	277.9	1.6	6.1	0.0	279.5	1	
3	228	1010	-5	8	0	-0	-0	159.3	1.1	3.8	0.0	160.4	1	
4	228	972	-5	8	0	-0	-0	153.3	1.2	3.8	0.0	154.5	6	
5	228	1009	-5	8	0	-0	-0	159.1	1.0	3.8	0.0	160.1	6	
6	228	2070	-8	3	0	-0	-0	326.5	1.4	3.6	0.0	327.9	6	
7	228	1165	-5	2	0	-0	-0	183.8	0.9	2.3	0.0	184.7	6	
8	228	1152	-5	2	0	-0	-0	181.7	1.1	2.3	0.0	182.8	6	
9	228	1206	-5	2	0	-0	-0	190.2	0.9	2.3	0.0	191.1	6	
10	228	1882	-8	13	0	-0	-0	296.8	1.6	6.1	0.0	298.5	6	
11	228	1080	-5	8	0	-0	-0	170.3	1.0	3.8	0.0	171.4	6	
12	228	1056	-5	8	0	-0	-0	166.6	1.2	3.8	0.0	167.7	6	
13	228	1071	-5	8	0	-0	-0	168.9	1.0	3.8	0.0	169.9	6	
14	228	1971	-9	3	0	-0	-0	310.9	1.4	3.9	0.0	312.3	6	
15	228	1099	-5	2	0	-0	-0	173.3	0.9	2.3	0.0	174.2	6	
16	228	1105	-5	2	0	-0	-0	174.3	1.0	2.3	0.0	175.3	6	
17	228	1120	-5	2	0	-0	-0	176.7	0.8	2.3	0.0	177.5	6	

ASTA NUM. 74 NI 17 NF 87 Lungh. 132.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4999	-0.1250	--	--	4.3335	3.7086 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	741	3	0	0	0	0	116.9	1.3	1.3	0.0	118.2	1	
1E	0	950	3	0	0	0	0	149.8	1.3	1.3	0.0	151.1	1	
1I	0	777	3	0	0	0	0	122.5	1.6	1.3	0.0	124.1	1	
1M	0	914	3	0	0	0	0	144.1	1.6	1.3	0.0	145.7	1	
2	0	1187	3	8	0	0	0	187.2	5.6	3.6	0.0	192.8	1	
3	0	530	2	5	0	0	0	83.6	3.3	2.2	0.0	87.0	1	
4	0	294	2	5	0	0	0	46.4	3.4	2.2	0.0	49.8	1	
5	0	-146	2	5	0	0	0	23.0	3.3	2.2	0.0	26.4	1	
6	0	1467	4	2	0	0	0	231.4	2.6	1.7	0.0	234.0	1	
7	0	591	2	1	0	0	0	93.2	1.5	1.1	0.0	94.7	6	
8	0	371	2	1	0	0	0	58.5	1.6	1.1	0.0	60.1	1	
9	0	-180	2	1	0	0	0	28.3	1.6	1.1	0.0	29.9	6	
10	0	1491	3	8	0	0	0	235.2	5.9	3.6	0.0	241.1	1	
11	0	707	2	5	0	0	0	111.5	3.5	2.2	0.0	115.0	1	
12	0	488	2	5	0	0	0	76.9	3.6	2.2	0.0	80.5	1	
13	0	52	2	5	0	0	0	8.1	3.5	2.2	0.0	11.6	1	
14	0	1573	4	2	0	0	0	248.1	2.7	1.8	0.0	250.8	1	
15	0	644	2	1	0	0	0	101.6	1.6	1.1	0.0	103.2	6	
16	0	441	2	1	0	0	0	69.6	1.6	1.1	0.0	71.3	1	
17	0	-103	2	1	0	0	0	16.3	1.6	1.1	0.0	17.9	6	
1A	66	743	-0	0	0	0	1	117.1	18.5	0.0	0.0	135.6	6	
1E	66	951	-0	0	0	0	1	150.0	18.5	0.0	0.0	168.5	6	
1I	66	779	-0	0	0	0	1	122.8	18.6	0.0	0.0	141.4	6	
1M	66	915	-0	0	0	0	1	144.4	18.6	0.0	0.0	163.0	6	
2	66	1190	-0	0	0	-2	1	187.7	55.3	0.1	0.0	243.0	1	
3	66	532	-0	0	0	-2	1	83.9	34.6	0.1	0.0	118.6	1	
4	66	296	-0	0	0	-2	1	46.7	34.6	0.1	0.0	81.3	1	
5	66	-144	-0	0	0	-2	1	22.7	34.8	0.1	0.0	57.5	1	
6	66	1469	-0	0	0	-1	1	231.7	29.0	0.1	0.0	260.7	6	
7	66	592	-0	0	0	-0	1	93.4	18.3	0.0	0.0	111.8	6	
8	66	373	-0	0	0	-0	1	58.8	18.3	0.0	0.0	77.1	6	
9	66	-178	-0	0	0	-0	1	28.1	18.6	0.0	0.0	46.6	6	
10	66	1494	-0	0	0	-2	1	235.6	55.2	0.1	0.0	290.8	1	

11	66	709	-0	0	0	-2	1	111.8	34.6	0.1	0.0	146.3	1
12	66	490	-0	0	0	-2	1	77.2	34.5	0.1	0.0	111.7	1
13	66	54	-0	0	0	-2	1	8.5	34.7	0.1	0.0	43.2	1
14	66	1576	-0	0	0	-1	1	248.5	30.9	0.1	0.0	279.4	6
15	66	646	-0	0	0	-0	1	101.8	18.3	0.0	0.0	120.2	6
16	66	443	-0	0	0	-0	1	69.9	18.3	0.0	0.0	88.2	6
17	66	-102	-0	0	0	-0	1	16.0	18.6	0.0	0.0	34.6	6
1A	132	744	-3	0	0	0	-0	117.4	0.9	1.3	0.0	118.3	6
1E	132	953	-3	0	0	0	-0	150.3	0.9	1.3	0.0	151.2	6
1I	132	780	-3	0	0	0	-0	123.1	0.8	1.3	0.0	123.9	6
1M	132	917	-3	0	0	0	-0	144.6	0.8	1.3	0.0	145.4	6
2	132	1193	-4	-7	0	-0	-0	188.2	2.6	3.3	0.0	190.7	1
3	132	534	-2	-5	0	-0	-0	84.3	1.5	2.1	0.0	85.8	1
4	132	298	-2	-5	0	-0	-0	47.0	1.5	2.1	0.0	48.5	1
5	132	-142	-2	-5	0	-0	-0	22.4	1.6	2.1	0.0	24.0	1
6	132	1471	-4	-2	0	0	-0	232.0	1.2	1.8	0.0	233.2	6
7	132	594	-2	-1	0	0	-0	93.7	0.5	1.1	0.0	94.2	6
8	132	374	-2	-1	0	0	-0	59.0	0.4	1.1	0.0	59.5	6
9	132	-176	-2	-1	0	-0	-0	27.8	0.2	1.1	0.0	28.1	6
10	132	1497	-4	-7	0	-0	-0	236.1	2.6	3.3	0.0	238.7	1
11	132	711	-2	-5	0	-0	-0	112.1	1.5	2.1	0.0	113.6	1
12	132	492	-2	-5	0	-0	-0	77.5	1.5	2.1	0.0	79.0	1
13	132	56	-2	-5	0	-0	-0	8.8	1.6	2.1	0.0	10.4	1
14	132	1578	-4	-2	0	0	-0	248.9	1.2	2.0	0.0	250.1	6
15	132	647	-2	-1	0	0	-0	102.1	0.6	1.1	0.0	102.6	6
16	132	444	-2	-1	0	0	-0	70.1	0.5	1.1	0.0	70.6	6
17	132	-100	-2	-1	0	-0	-0	15.8	0.3	1.1	0.0	16.0	6

ASTA NUM. 75 NI 17 NF 88 Lungh. 132.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4999	-0.1250	--	--	4.3335	3.7086 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	1150	3	0	0	-0	0	181.3	0.8	1.3	0.0	182.2	6	
1E	0	1358	3	0	0	-0	0	214.2	0.8	1.3	0.0	215.1	6	
1I	0	1186	3	0	0	0	0	187.0	0.9	1.3	0.0	187.9	6	
1M	0	1322	3	0	0	0	0	208.6	0.9	1.3	0.0	209.5	6	
2	0	1883	3	-8	0	-0	0	297.0	5.6	3.6	0.0	302.6	1	
3	0	1285	2	-5	0	-0	0	202.7	3.4	2.2	0.0	206.1	1	
4	0	1415	2	-5	0	-0	0	223.2	3.3	2.2	0.0	226.4	1	
5	0	1863	2	-5	0	-0	0	293.8	3.5	2.2	0.0	297.4	1	
6	0	1992	4	-2	0	-0	0	314.2	2.6	1.7	0.0	316.7	1	
7	0	1417	2	-1	0	-0	0	223.5	1.5	1.1	0.0	225.0	1	
8	0	1582	2	-1	0	-0	0	249.5	1.3	1.1	0.0	250.9	1	
9	0	2149	2	-1	0	-0	0	339.0	1.7	1.1	0.0	340.6	1	
10	0	2039	3	-8	0	-0	0	321.6	5.8	3.6	0.0	327.4	1	
11	0	1369	2	-5	0	-0	0	215.9	3.5	2.2	0.0	219.5	1	
12	0	1493	2	-5	0	-0	0	235.5	3.4	2.2	0.0	238.9	1	
13	0	1925	2	-5	0	-0	0	303.6	3.7	2.2	0.0	307.3	1	
14	0	2098	4	-2	0	-0	0	330.9	2.6	1.8	0.0	333.5	1	
15	0	1470	2	-1	0	-0	0	231.9	1.5	1.1	0.0	233.4	1	
16	0	1616	2	-1	0	-0	0	254.9	1.4	1.1	0.0	256.3	1	
17	0	2156	2	-1	0	-0	0	340.1	1.7	1.1	0.0	341.7	1	
1A	66	1151	-0	0	0	-0	1	181.6	18.2	0.0	0.0	199.8	6	
1E	66	1360	-0	0	0	-0	1	214.5	18.2	0.0	0.0	232.7	6	
1I	66	1187	-0	0	0	-0	1	187.2	18.3	0.0	0.0	205.5	6	
1M	66	1324	-0	0	0	-0	1	208.8	18.3	0.0	0.0	227.1	6	
2	66	1886	-0	-0	0	2	1	297.5	55.1	0.1	0.0	352.6	1	
3	66	1287	-0	-0	0	2	1	203.0	34.4	0.1	0.0	237.4	1	
4	66	1417	-0	-0	0	2	1	223.5	34.5	0.1	0.0	258.0	1	
5	66	1865	-0	-0	0	2	1	294.2	34.2	0.1	0.0	328.4	1	
6	66	1995	-0	-0	0	1	1	314.6	28.8	0.1	0.0	343.4	6	
7	66	1419	-0	-0	0	0	1	223.7	17.8	0.0	0.0	241.5	6	
8	66	1584	-0	-0	0	0	1	249.8	17.8	0.0	0.0	267.6	6	
9	66	2150	-0	-0	0	0	1	339.2	17.6	0.0	0.0	356.8	6	
10	66	2042	-0	-0	0	2	1	322.1	55.1	0.1	0.0	377.1	1	
11	66	1371	-0	-0	0	2	1	216.2	34.4	0.1	0.0	250.6	1	
12	66	1495	-0	-0	0	2	1	235.8	34.4	0.1	0.0	270.2	1	
13	66	1927	-0	-0	0	2	1	303.9	34.2	0.1	0.0	338.1	1	
14	66	2101	-0	-0	0	1	1	331.3	30.6	0.1	0.0	361.9	6	
15	66	1472	-0	-0	0	0	1	232.1	17.8	0.0	0.0	249.9	6	
16	66	1618	-0	-0	0	0	1	255.1	17.8	0.0	0.0	272.9	6	
17	66	2157	-0	-0	0	0	1	340.3	17.6	0.0	0.0	357.9	6	
1A	132	1153	-3	0	0	-0	-0	181.8	1.3	1.3	0.0	183.1	6	
1E	132	1361	-3	0	0	-0	-0	214.7	1.3	1.3	0.0	216.0	6	
1I	132	1189	-3	0	0	-0	-0	187.5	1.2	1.3	0.0	188.6	6	
1M	132	1325	-3	0	0	-0	-0	209.0	1.2	1.3	0.0	210.2	6	
2	132	1889	-4	7	0	0	-0	297.9	2.7	3.3	0.0	300.6	1	
3	132	1289	-2	5	0	0	-0	203.3	1.7	2.1	0.0	205.0	6	
4	132	1419	-2	5	0	0	-0	223.8	1.8	2.1	0.0	225.6	6	
5	132	1867	-2	5	0	0	-0	294.5	1.9	2.1	0.0	296.4	6	
6	132	1997	-4	2	0	-0	-0	315.0	1.4	1.8	0.0	316.4	6	
7	132	1420	-2	1	0	-0	-0	224.0	1.0	1.1	0.0	224.9	6	
8	132	1585	-2	1	0	-0	-0	250.0	1.0	1.1	0.0	251.0	6	
9	132	2152	-3	1	0	-0	-0	339.4	1.3	1.1	0.0	340.7	6	
10	132	2045	-4	7	0	0	-0	322.6	2.8	3.3	0.0	325.3	6	
11	132	1373	-2	5	0	0	-0	216.6	1.8	2.1	0.0	218.3	6	
12	132	1497	-2	5	0	0	-0	236.1	1.9	2.1	0.0	238.0	6	
13	132	1929	-2	5	0	0	-0	304.3	2.0	2.1	0.0	306.2	6	
14	132	2103	-4	2	0	-0	-0	331.7	1.5	2.0	0.0	333.2	6	
15	132	1473	-2	1	0	-0	-0	232.3	1.0	1.1	0.0	233.3	6	
16	132	1619	-2	1	0	0	-0	255.4	1.1	1.1	0.0	256.4	6	
17	132	2159	-3	1	0	-0	-0	340.5	1.3	1.1	0.0	341.8	6	

ASTA NUM. 76 NI 87 NF 88 Lungh. 228.2 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	4.9769	4.9769 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-1146	6	0	0	0	-0	180.8	0.5	2.6	0.0	181.3	6	
1E	0	-1124	6	0	0	0	-0	177.3	0.5	2.6	0.0	177.8	6	
1I	0	-1172	6	0	0	0	-0	184.8	0.6	2.6	0.0	185.4	6	
1M	0	-1098	6	0	0	0	-0	173.2	0.6	2.6	0.0	173.8	6	
2	0	-1643	8	-13	0	-0	-0	259.1	1.5	6.1	0.0	260.6	1	
3	0	-972	5	-8	0	-0	-0	153.3	0.9	3.8	0.0	154.2	1	
4	0	-916	5	-8	0	-0	-0	144.4	0.9	3.8	0.0	145.3	1	
5	0	-918	5	-8	0	-0	-0	144.9	0.8	3.8	0.0	145.7	1	
6	0	-1866	8	-3	0	-0	-0	294.3	0.9	3.6	0.0	295.2	6	
7	0	-1084	5	-2	0	-0	-0	171.0	0.5	2.3	0.0	171.4	6	
8	0	-1055	5	-2	0	-0	-0	166.4	0.4	2.3	0.0	166.8	6	
9	0	-1062	5	-2	0	-0	0	167.5	0.1	2.3	0.0	167.6	1	
10	0	-1877	8	-13	0	-0	-0	296.1	1.5	6.1	0.0	297.5	1	
11	0	-1103	5	-8	0	-0	-0	174.0	0.9	3.8	0.0	174.9	1	
12	0	-1053	5	-8	0	-0	-0	166.1	0.9	3.8	0.0	167.0	1	
13	0	-1050	5	-8	0	-0	-0	165.6	0.8	3.8	0.0	166.4	1	
14	0	-1965	9	-3	0	-0	-0	309.9	0.9	3.9	0.0	310.9	6	
15	0	-1131	5	-2	0	-0	-0	178.4	0.4	2.3	0.0	178.8	6	
16	0	-1102	5	-2	0	-0	-0	173.8	0.4	2.3	0.0	174.2	6	
17	0	-1099	5	-2	0	-0	0	173.3	0.1	2.3	0.0	173.4	1	
1A	114	-1146	-0	0	0	0	3	180.8	61.5	0.0	0.0	242.3	6	
1E	114	-1124	-0	0	0	0	3	177.3	61.5	0.0	0.0	238.8	6	
1I	114	-1172	-0	0	0	0	3	184.8	61.6	0.0	0.0	246.4	6	
1M	114	-1098	-0	0	0	0	3	173.2	61.6	0.0	0.0	234.8	6	
2	114	-1643	-0	-0	0	8	4	259.1	176.9	0.0	0.0	436.1	1	
3	114	-972	-0	-0	0	5	3	153.3	110.5	0.0	0.0	263.8	1	
4	114	-916	-0	-0	0	5	3	144.4	110.5	0.0	0.0	254.9	1	
5	114	-918	-0	0	0	5	3	144.9	110.5	0.0	0.0	255.4	1	
6	114	-1866	-0	-0	0	2	4	294.3	99.6	0.0	0.0	393.9	6	
7	114	-1084	-0	-0	0	1	3	171.0	62.2	0.0	0.0	233.2	6	
8	114	-1055	-0	-0	0	1	3	166.4	62.2	0.0	0.0	228.6	6	
9	114	-1062	-0	0	0	1	3	167.5	62.2	0.0	0.0	229.7	6	
10	114	-1877	-0	-0	0	8	4	296.1	176.9	0.0	0.0	473.0	1	
11	114	-1103	-0	-0	0	5	3	174.0	110.5	0.0	0.0	284.5	1	
12	114	-1053	-0	-0	0	5	3	166.1	110.5	0.0	0.0	276.6	1	
13	114	-1050	-0	0	0	5	3	165.6	110.5	0.0	0.0	276.1	1	
14	114	-1965	-0	-0	0	2	5	309.9	105.8	0.0	0.0	415.7	6	
15	114	-1131	-0	-0	0	1	3	178.4	62.3	0.0	0.0	240.7	6	
16	114	-1102	-0	-0	0	1	3	173.8	62.3	0.0	0.0	236.1	6	
17	114	-1099	-0	0	0	1	3	173.3	62.3	0.0	0.0	235.6	6	
1A	228	-1146	-6	0	0	0	-0	180.8	0.9	2.6	0.0	181.7	6	
1E	228	-1124	-6	0	0	0	-0	177.3	0.9	2.6	0.0	178.2	6	
1I	228	-1172	-6	0	0	0	-0	184.8	0.9	2.6	0.0	185.7	6	
1M	228	-1098	-6	0	0	0	-0	173.2	0.9	2.6	0.0	174.1	6	
2	228	-1643	-8	13	0	-0	-0	259.1	1.6	6.1	0.0	260.8	6	
3	228	-972	-5	8	0	-0	-0	153.3	1.1	3.8	0.0	154.3	6	
4	228	-916	-5	8	0	-0	-0	144.4	1.1	3.8	0.0	145.5	6	
5	228	-918	-5	8	0	-0	-0	144.9	1.3	3.8	0.0	146.2	6	
6	228	-1866	-8	3	0	-0	-0	294.3	1.1	3.6	0.0	295.4	6	
7	228	-1084	-5	2	0	-0	-0	171.0	0.8	2.3	0.0	171.8	6	
8	228	-1055	-5	2	0	-0	-0	166.4	0.8	2.3	0.0	167.2	6	
9	228	-1062	-5	2	0	-0	-0	167.5	1.0	2.3	0.0	168.6	6	
10	228	-1877	-8	13	0	-0	-0	296.1	1.5	6.1	0.0	297.6	6	
11	228	-1103	-5	8	0	-0	-0	174.0	1.0	3.8	0.0	175.0	6	
12	228	-1053	-5	8	0	-0	-0	166.1	1.1	3.8	0.0	167.2	6	
13	228	-1050	-5	8	0	-0	-0	165.6	1.3	3.8	0.0	166.9	6	
14	228	-1965	-9	3	0	-0	-0	309.9	1.1	3.9	0.0	311.1	6	
15	228	-1131	-5	2	0	-0	-0	178.4	0.8	2.3	0.0	179.2	6	
16	228	-1102	-5	2	0	-0	-0	173.8	0.8	2.3	0.0	174.6	6	
17	228	-1099	-5	2	0	-0	-0	173.3	1.0	2.3	0.0	174.4	6	

ASTA NUM. 77 NI 85 NF 74 Lungh. 35.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-11	1	0	0	0	-0	3.5	5.4	1.0	0.0	8.9	6	
1E	0	-7	1	0	0	0	-0	2.2	5.4	1.0	0.0	7.7	6	
1I	0	-15	1	0	0	0	-0	4.8	5.3	1.0	0.0	10.2	6	
1M	0	-3	1	0	0	0	-0	0.9	5.3	1.0	0.0	6.2	6	
2	0	-58	1	-0	0	-0	-0	18.9	8.3	1.4	0.0	27.2	6	
3	0	-34	1	0	0	0	-0	11.1	5.2	0.9	0.0	16.3	6	
4	0	-33	1	0	0	0	-0	10.8	4.7	0.8	0.0	15.5	6	
5	0	-32	1	0	0	0	-0	10.5	4.9	0.8	0.0	15.4	6	
6	0	-28	2	0	0	0	-0	9.0	8.8	1.5	0.0	17.8	6	
7	0	-14	1	0	0	0	-0	4.4	5.6	0.9	0.0	10.0	6	
8	0	-14	1	0	0	0	-0	4.6	5.2	0.9	0.0	9.9	6	
9	0	-13	1	0	0	0	-0	4.2	5.4	0.9	0.0	9.7	6	
10	0	-63	2	-0	0	-0	-0	20.3	9.0	1.5	0.0	29.3	6	
11	0	-36	1	0	0	0	-0	11.8	5.5	0.9	0.0	17.4	6	
12	0	-35	1	0	0	0	-0	11.4	5.0	0.8	0.0	16.4	6	
13	0	-35	1	0	0	0	-0	11.3	5.3	0.9	0.0	16.6	6	
14	0	-29	2	0	0	0	-0	9.6	8.9	1.5	0.0	18.5	6	
15	0	-15	1	0	0	0	-0	4.8	5.6	0.9	0.0	10.4	6	
16	0	-14	1	0	0	0	-0	4.7	5.1	0.9	0.0	9.7	6	
17	0	-14	1	0	0	0	-0	4.6	5.5	0.9	0.0	10.1	6	
1A	18	-11	1	0	0	0	0	3.5	4.3	0.6	0.0	7.7	6	
1E	18	-7	1	0	0	0	0	2.2	4.3	0.6	0.0	6.5	6	
1I	18	-15	1	0	0	0	0	4.8	4.3	0.6	0.0	9.1	6	
1M	18	-3	1	0	0	0	0	0.9	4.3	0.6	0.0	5.1	6	
2	18	-58	1	-0	0	-0	0	18.9	5.5	0.8	0.0	24.4	6	
3	18	-34	1	0	0	-0	0	11.1	3.4	0.5	0.0	14.5	6	
4	18	-33	0	0	0	-0	0	10.8	3.3	0.5	0.0	14.1	6	
5	18	-32	1	0	0	-0	0	10.5	3.4	0.5	0.0	13.9	6	
6	18	-28	1	0	0	0	0	9.0	6.3	0.9	0.0	15.2	6	
7	18	-14	1	0	0	-0	0	4.4	3.8	0.6	0.0	8.2	6	
8	18	-14	1	0	0	-0	0	4.6	3.8	0.5	0.0	8.4	6	
9	18	-13	1	0	0	-0	0	4.2	3.9	0.6	0.0	8.1	6	
10	18	-63	1	-0	0	0	0	20.3	5.7	0.9	0.0	26.0	6	
11	18	-36	1	0	0	-0	0	11.8	3.5	0.5	0.0	15.3	6	
12	18	-35	1	0	0	-0	0	11.4	3.4	0.5	0.0	14.9	6	
13	18	-35	1	0	0	-0	0	11.3	3.5	0.5	0.0	14.8	6	
14	18	-29	1	0	0	0	0	9.6	6.5	0.9	0.0	16.1	6	
15	18	-15	1	0	0	-0	0	4.8	3.8	0.6	0.0	8.6	6	
16	18	-14	1	0	0	-0	0	4.7	3.7	0.5	0.0	8.4	6	
17	18	-14	1	0	0	-0	0	4.6	3.9	0.6	0.0	8.5	6	
1A	36	-11	0	0	0	-0	0	3.5	8.9	0.2	0.0	12.3	6	
1E	36	-7	0	0	0	-0	0	2.2	8.9	0.2	0.0	11.1	6	
1I	36	-15	0	0	0	-0	0	4.8	8.8	0.2	0.0	13.6	6	
1M	36	-3	0	0	0	-0	0	0.9	8.8	0.2	0.0	9.7	6	
2	36	-58	0	-0	0	0	0	18.9	12.3	0.3	0.0	31.2	6	
3	36	-34	0	0	0	-0	0	11.1	7.6	0.2	0.0	18.7	6	
4	36	-33	0	0	0	-0	0	10.8	7.0	0.1	0.0	17.8	6	
5	36	-32	0	0	0	-0	0	10.5	7.3	0.1	0.0	17.8	6	
6	36	-28	0	0	0	0	0	9.0	14.3	0.4	0.0	23.2	6	
7	36	-14	0	0	0	-0	0	4.4	9.0	0.2	0.0	13.4	6	
8	36	-14	0	0	0	-0	0	4.6	8.5	0.2	0.0	13.1	6	
9	36	-13	0	0	0	-0	0	4.2	8.9	0.2	0.0	13.1	6	
10	36	-63	0	-0	0	0	0	20.3	13.4	0.3	0.0	33.7	6	
11	36	-36	0	0	0	-0	0	11.8	8.2	0.2	0.0	20.0	6	
12	36	-35	0	0	0	-0	0	11.4	7.5	0.1	0.0	18.9	6	
13	36	-35	0	0	0	-0	0	11.3	8.0	0.2	0.0	19.3	6	
14	36	-29	0	0	0	0	0	9.6	14.3	0.3	0.0	23.9	6	
15	36	-15	0	0	0	-0	0	4.8	8.9	0.2	0.0	13.7	6	
16	36	-14	0	0	0	-0	0	4.7	8.2	0.2	0.0	12.9	6	
17	36	-14	0	0	0	-0	0	4.6	8.9	0.2	0.0	13.5	6	

ASTA NUM. 78 NI 70 NF 85 Lungh. 106.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0415	0.0104	--	--	-0.1944	-0.1425 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-5	-0	-0	0	-0	0	1.7	2.6	0.1	0.0	4.3	1	
1E	0	5	-0	-0	0	-0	0	1.6	2.6	0.1	0.0	4.2	1	
1I	0	-16	-0	-0	0	-0	0	5.3	2.6	0.1	0.0	7.9	1	
1M	0	16	-0	-0	0	-0	0	5.2	2.6	0.1	0.0	7.9	1	
2	0	134	-0	-4	0	-0	0	43.4	4.6	3.6	0.0	48.0	1	
3	0	78	-0	-2	0	-0	0	25.5	2.7	2.3	0.0	28.2	1	
4	0	76	-0	-2	0	-0	0	24.8	2.5	2.3	0.0	27.4	1	
5	0	74	-0	-2	0	-0	0	24.1	2.6	2.3	0.0	26.7	1	
6	0	42	-0	-1	0	-0	0	13.6	4.5	1.0	0.0	18.1	1	
7	0	17	-0	-1	0	-0	0	5.6	2.6	0.6	0.0	8.2	1	
8	0	19	-0	-1	0	-0	0	6.2	2.5	0.6	0.0	8.7	1	
9	0	16	-0	-1	0	-0	0	5.2	2.6	0.6	0.0	7.8	1	
10	0	144	-0	-4	0	-0	0	46.7	5.0	3.6	0.0	51.7	1	
11	0	84	-0	-2	0	-0	0	27.1	2.9	2.3	0.0	30.0	1	
12	0	81	-0	-2	0	-0	0	26.2	2.8	2.3	0.0	29.0	1	
13	0	80	-0	-2	0	-0	0	25.9	2.8	2.3	0.0	28.7	1	
14	0	44	-0	-1	0	-0	0	14.4	4.6	1.0	0.0	19.0	1	
15	0	20	-0	-1	0	-0	0	6.6	2.6	0.6	0.0	9.2	1	
16	0	20	-0	-1	0	-0	0	6.4	2.5	0.6	0.0	8.9	1	
17	0	19	-0	-1	0	-0	0	6.2	2.6	0.6	0.0	8.8	1	
1A	53	-4	-0	0	0	-0	-0	1.2	2.4	0.0	0.0	3.7	6	
1E	53	6	-0	0	0	-0	-0	2.0	2.4	0.0	0.0	4.4	6	
1I	53	-15	-0	0	0	-0	-0	4.9	2.5	0.0	0.0	7.4	6	
1M	53	17	-0	0	0	-0	-0	5.7	2.5	0.0	0.0	8.1	6	
2	53	135	-0	0	0	1	-0	43.9	62.3	0.0	0.0	106.2	1	
3	53	79	-0	0	0	1	-0	25.7	39.3	0.0	0.0	65.0	1	
4	53	77	-0	0	0	1	-0	25.1	39.4	0.0	0.0	64.6	1	
5	53	75	-0	0	0	1	-0	24.4	39.4	0.0	0.0	63.8	1	
6	53	44	-0	0	0	0	-0	14.1	14.0	0.1	0.0	28.1	1	
7	53	18	0	0	0	0	-0	6.0	9.4	0.0	0.0	15.4	1	
8	53	20	0	0	0	0	-0	6.5	9.3	0.0	0.0	15.8	1	
9	53	17	0	0	0	0	-0	5.6	9.3	0.0	0.0	14.8	1	
10	53	145	-0	0	0	1	-0	47.1	61.6	0.1	0.0	108.7	1	
11	53	84	-0	0	0	1	-0	27.4	38.9	0.0	0.0	66.3	1	
12	53	82	-0	0	0	1	-0	26.5	39.1	0.0	0.0	65.6	1	
13	53	81	-0	0	0	1	-0	26.2	39.0	0.0	0.0	65.2	1	
14	53	46	-0	0	0	0	-0	15.0	14.1	0.1	0.0	29.0	1	
15	53	21	0	0	0	0	-0	6.9	9.3	0.0	0.0	16.2	1	
16	53	21	0	0	0	0	-0	6.8	9.3	0.0	0.0	16.0	1	
17	53	20	0	0	0	0	-0	6.5	9.2	0.0	0.0	15.7	1	
1A	106	-3	0	0	0	-0	0	0.8	4.9	0.2	0.0	5.7	1	
1E	106	7	0	0	0	-0	0	2.4	4.9	0.2	0.0	7.3	1	
1I	106	-14	0	0	0	-0	0	4.5	4.9	0.2	0.0	9.4	1	
1M	106	19	0	0	0	-0	0	6.1	4.9	0.2	0.0	11.0	1	
2	106	137	0	4	0	-0	-0	44.3	8.1	3.7	0.0	52.4	1	
3	106	80	0	3	0	-0	-0	26.0	4.5	2.3	0.0	30.5	1	
4	106	78	0	3	0	-0	-0	25.4	4.3	2.3	0.0	29.7	1	
5	106	76	0	2	0	-0	-0	24.6	4.2	2.3	0.0	28.9	1	
6	106	45	0	1	0	-0	-0	14.7	8.5	1.1	0.0	23.2	1	
7	106	19	0	1	0	-0	-0	6.3	4.4	0.7	0.0	10.8	1	
8	106	21	0	1	0	-0	-0	6.9	4.6	0.7	0.0	11.5	1	
9	106	18	0	1	0	-0	-0	5.9	4.5	0.7	0.0	10.5	1	
10	106	147	0	4	0	-0	-0	47.6	9.1	3.7	0.0	56.7	1	
11	106	85	0	3	0	-0	-0	27.7	5.1	2.3	0.0	32.7	1	
12	106	83	0	3	0	-0	-0	26.8	4.9	2.3	0.0	31.7	1	
13	106	82	0	3	0	-0	-0	26.5	4.8	2.3	0.0	31.3	1	
14	106	48	0	1	0	-0	-0	15.6	9.0	1.1	0.0	24.6	1	
15	106	22	0	1	0	-0	-0	7.3	4.6	0.7	0.0	11.9	1	
16	106	22	0	1	0	-0	-0	7.1	4.7	0.7	0.0	11.8	1	
17	106	21	0	1	0	-0	-0	6.9	4.7	0.7	0.0	11.5	1	

ASTA NUM. 79 NI 81 NF 70 Lungh. 71.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	11	1	0	0	0	0	3.7	1.5	0.8	0.0	5.2	6	
1E	0	19	1	0	0	0	0	6.3	1.5	0.8	0.0	7.8	6	
1I	0	3	1	0	0	0	0	0.9	1.4	0.8	0.0	2.4	6	
1M	0	28	1	0	0	0	0	9.1	1.4	0.8	0.0	10.5	6	
2	0	-77	1	-0	0	0	0	25.0	1.8	1.1	0.0	26.8	6	
3	0	-47	1	0	0	0	0	15.3	0.9	0.7	0.0	16.2	6	
4	0	-47	1	0	0	0	0	15.2	0.9	0.7	0.0	16.1	6	
5	0	-46	1	0	0	0	0	15.0	0.3	0.7	0.0	15.3	1	
6	0	-4	1	0	0	0	0	1.3	2.3	1.1	0.0	3.7	6	
7	0	-1	1	0	0	0	0	0.3	0.9	0.7	0.0	1.4	5	
8	0	-1	1	0	0	0	0	0.4	1.3	0.7	0.0	1.7	1	
9	0	-0	1	0	0	0	0	0.1	1.0	0.7	0.0	1.3	5	
10	0	-79	1	-0	0	0	0	25.5	2.3	1.1	0.0	27.8	6	
11	0	-48	1	0	0	0	0	15.6	1.1	0.7	0.0	16.7	6	
12	0	-47	1	0	0	0	0	15.4	1.2	0.7	0.0	16.5	6	
13	0	-47	1	0	0	0	0	15.3	0.9	0.7	0.0	16.2	6	

14	0	-3	1	0	0	0	0	1.1	2.6	1.2	0.0	3.7	6
15	0	-2	1	0	0	0	0	0.5	1.2	0.7	0.0	1.8	1
16	0	-1	1	0	0	0	0	0.4	1.3	0.7	0.0	1.7	6
17	0	-1	1	0	0	0	0	0.4	1.1	0.7	0.0	1.4	6
1A	36	11	-0	0	0	0	0	3.7	10.6	0.0	0.0	14.4	6
1E	36	19	-0	0	0	0	0	6.3	10.6	0.0	0.0	16.9	6
1I	36	3	-0	0	0	0	0	0.9	10.7	0.0	0.0	11.6	6
1M	36	28	-0	0	0	0	0	9.1	10.7	0.0	0.0	19.7	6
2	36	-77	-0	-0	0	0	0	25.0	15.0	0.0	0.0	39.9	6
3	36	-47	-0	0	0	0	0	15.3	9.3	0.0	0.0	24.6	6
4	36	-47	-0	0	0	0	0	15.2	9.2	0.0	0.0	24.4	6
5	36	-46	-0	0	0	0	0	15.0	9.2	0.0	0.0	24.2	6
6	36	-4	-0	0	0	0	0	1.3	15.1	0.0	0.0	16.5	6
7	36	-1	-0	0	0	0	0	0.3	9.4	0.0	0.0	9.7	6
8	36	-1	-0	0	0	0	0	0.4	9.3	0.0	0.0	9.7	6
9	36	-0	-0	0	0	0	0	0.1	9.3	0.0	0.0	9.5	6
10	36	-79	-0	-0	0	0	0	25.5	15.1	0.1	0.0	40.6	6
11	36	-48	-0	0	0	0	0	15.6	9.4	0.0	0.0	25.0	6
12	36	-47	-0	0	0	0	0	15.4	9.3	0.0	0.0	24.7	6
13	36	-47	-0	0	0	0	0	15.3	9.3	0.0	0.0	24.6	6
14	36	-3	-0	0	0	0	0	1.1	16.1	0.1	0.0	17.2	6
15	36	-2	-0	0	0	0	0	0.5	9.4	0.0	0.0	9.9	6
16	36	-1	-0	0	0	0	0	0.4	9.3	0.0	0.0	9.7	6
17	36	-1	-0	0	0	0	0	0.4	9.3	0.0	0.0	9.7	6
1A	71	11	-1	0	0	-0	-0	3.7	0.2	0.8	0.0	4.0	5
1E	71	19	-1	0	0	-0	-0	6.3	0.2	0.8	0.0	6.5	5
1I	71	3	-1	0	0	-0	-0	0.9	0.1	0.8	0.0	1.7	5
1M	71	28	-1	0	0	-0	-0	9.1	0.1	0.8	0.0	9.2	5
2	71	-77	-1	-0	0	0	0	25.0	0.6	1.2	0.0	25.6	1
3	71	-47	-1	0	0	0	0	15.3	0.0	0.7	0.0	15.4	5
4	71	-47	-1	0	0	-0	0	15.2	0.2	0.7	0.0	15.4	1
5	71	-46	-1	0	0	-0	0	15.0	0.1	0.7	0.0	15.1	1
6	71	-4	-1	0	0	0	0	1.3	0.2	1.2	0.0	2.4	5
7	71	-1	-1	0	0	-0	0	0.3	0.5	0.7	0.0	1.3	5
8	71	-1	-1	0	0	-0	0	0.4	0.6	0.7	0.0	1.4	5
9	71	-0	-1	0	0	-0	0	0.1	0.5	0.7	0.0	1.3	5
10	71	-79	-1	-0	0	0	0	25.5	0.7	1.2	0.0	26.2	1
11	71	-48	-1	0	0	0	0	15.6	0.1	0.7	0.0	15.7	1
12	71	-47	-1	0	0	-0	0	15.4	0.2	0.7	0.0	15.5	1
13	71	-47	-1	0	0	-0	0	15.3	0.0	0.7	0.0	15.3	5
14	71	-3	-1	0	0	0	0	1.1	0.2	1.3	0.0	2.5	5
15	71	-2	-1	0	0	-0	0	0.5	0.5	0.7	0.0	1.4	5
16	71	-1	-1	0	0	-0	0	0.4	0.7	0.7	0.0	1.4	5
17	71	-1	-1	0	0	-0	0	0.4	0.5	0.7	0.0	1.3	5

ASTA NUM. 80 NI 65 NF 81 Lungh. 119.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.0075	1.0019	--	--	0.9457	5.9552 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	-48	1	-0	0	0	-0	15.5	1.5	0.5	0.0	17.0	6	
1E	0	-34	1	-0	0	0	-0	11.1	1.5	0.5	0.0	12.7	6	
1I	0	-61	1	-0	0	0	-0	19.8	1.5	0.5	0.0	21.3	6	
1M	0	-21	1	-0	0	0	-0	6.8	1.5	0.5	0.0	8.3	6	
2	0	100	4	1	0	0	-0	32.6	3.2	4.1	0.0	35.8	6	
3	0	62	3	0	0	0	-0	20.2	2.0	2.6	0.0	22.2	6	
4	0	62	3	0	0	0	-0	20.1	1.9	2.5	0.0	22.0	6	
5	0	61	3	0	0	0	-0	19.9	2.0	2.5	0.0	21.8	6	
6	0	-18	2	0	0	0	-0	5.8	2.7	1.6	0.0	8.6	6	
7	0	-12	1	0	0	0	-0	3.9	1.7	1.0	0.0	5.6	6	
8	0	-12	1	0	0	0	-0	3.8	1.6	1.0	0.0	5.4	6	
9	0	-13	1	0	0	0	-0	4.1	1.7	1.0	0.0	5.8	6	
10	0	101	4	1	0	0	-0	32.8	3.4	4.1	0.0	36.2	6	
11	0	63	3	0	0	0	-0	20.3	2.1	2.6	0.0	22.4	6	
12	0	62	3	0	0	0	-0	20.1	2.0	2.5	0.0	22.1	6	
13	0	62	3	0	0	0	-0	20.0	2.0	2.6	0.0	22.1	6	
14	0	-21	2	0	0	0	-0	6.9	2.8	1.6	0.0	9.6	6	
15	0	-11	1	0	0	0	-0	3.7	1.7	1.0	0.0	5.4	6	
16	0	-12	1	0	0	0	-0	3.9	1.6	1.0	0.0	5.5	6	
17	0	-12	1	0	0	0	-0	4.0	1.7	1.0	0.0	5.6	6	
1A	60	-46	0	-0	0	0	0	15.0	10.1	0.0	0.0	25.1	6	
1E	60	-33	0	-0	0	0	0	10.7	10.1	0.0	0.0	20.8	6	
1I	60	-60	0	-0	0	0	0	19.4	10.1	0.0	0.0	29.5	6	
1M	60	-20	0	-0	0	0	0	6.4	10.1	0.0	0.0	16.5	6	
2	60	101	0	-0	0	-0	1	32.7	87.2	0.0	0.0	119.9	6	
3	60	63	0	-0	0	-0	1	20.3	54.5	0.0	0.0	74.8	6	
4	60	62	0	-0	0	-0	1	20.2	54.6	0.0	0.0	74.8	6	
5	60	61	0	-0	0	-0	1	20.0	54.6	0.0	0.0	74.5	6	
6	60	-16	0	-0	0	-0	0	5.3	31.7	0.0	0.0	37.0	6	
7	60	-11	0	0	0	-0	0	3.6	19.9	0.0	0.0	23.4	6	
8	60	-11	0	0	0	-0	0	3.5	19.9	0.0	0.0	23.5	6	
9	60	-12	0	0	0	-0	0	3.8	19.9	0.0	0.0	23.7	6	
10	60	101	0	-0	0	-0	1	32.9	87.1	0.0	0.0	120.0	6	
11	60	63	0	-0	0	-0	1	20.4	54.4	0.0	0.0	74.8	6	
12	60	62	0	-0	0	-0	1	20.2	54.5	0.0	0.0	74.7	6	
13	60	62	0	-0	0	-0	1	20.1	54.5	0.0	0.0	74.6	6	
14	60	-20	0	-0	0	-0	0	6.4	32.7	0.0	0.0	39.1	6	
15	60	-11	0	0	0	-0	0	3.4	19.9	0.0	0.0	23.3	6	
16	60	-11	0	0	0	-0	0	3.6	19.9	0.0	0.0	23.5	6	
17	60	-11	0	0	0	-0	0	3.7	19.9	0.0	0.0	23.6	6	
1A	120	-45	-1	-0	0	0	-0	14.6	0.9	0.5	0.0	15.5	6	
1E	120	-32	-1	-0	0	0	-0	10.3	0.9	0.5	0.0	11.2	6	
1I	120	-58	-1	-0	0	0	-0	18.9	0.9	0.5	0.0	19.9	6	
1M	120	-18	-1	-0	0	0	-0	5.9	0.9	0.5	0.0	6.9	6	
2	120	101	-4	-1	0	0	-0	32.8	2.2	4.1	0.0	34.9	6	
3	120	63	-3	-0	0	0	-0	20.4	1.3	2.5	0.0	21.6	6	
4	120	62	-3	-0	0	0	-0	20.2	1.2	2.5	0.0	21.5	6	
5	120	62	-3	-0	0	0	-0	20.0	1.2	2.5	0.0	21.2	6	
6	120	-15	-2	-0	0	0	-0	4.8	1.7	1.6	0.0	6.5	6	
7	120	-10	-1	-0	0	0	-0	3.3	0.9	1.0	0.0	4.2	6	
8	120	-10	-1	-0	0	0	-0	3.2	0.9	1.0	0.0	4.2	6	
9	120	-11	-1	-0	0	0	-0	3.5	0.9	1.0	0.0	4.4	6	
10	120	102	-4	-1	0	0	-0	33.0	2.3	4.1	0.0	35.3	6	
11	120	63	-3	-0	0	0	-0	20.5	1.3	2.5	0.0	21.8	6	
12	120	62	-3	-0	0	0	-0	20.3	1.3	2.5	0.0	21.6	6	
13	120	62	-3	-0	0	0	-0	20.2	1.3	2.5	0.0	21.5	6	
14	120	-18	-2	-0	0	0	-0	5.8	1.7	1.6	0.0	7.6	6	
15	120	-10	-1	-0	0	0	-0	3.1	0.9	1.0	0.0	4.1	6	
16	120	-10	-1	-0	0	0	-0	3.3	0.9	1.0	0.0	4.2	6	
17	120	-10	-1	-0	0	0	-0	3.4	0.9	1.0	0.0	4.2	6	

ASTA NUM. 81 NI 77 NF 65 Lungh. 108.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	23	1	0	0	-0	0	6.5	0.1	1.2	0.0	6.9	5	
1E	0	37	1	0	0	-0	0	10.5	0.1	1.2	0.0	10.7	5	
1I	0	9	1	0	0	-0	0	2.7	0.1	1.2	0.0	3.4	5	
1M	0	50	1	0	0	-0	0	14.4	0.1	1.2	0.0	14.6	4	
2	0	-109	2	-0	0	-0	0	31.3	0.9	1.7	0.0	32.2	6	
3	0	-68	1	0	0	-0	0	19.4	0.1	1.1	0.0	19.5	5	
4	0	-67	1	0	0	0	0	19.3	0.0	1.1	0.0	19.4	5	
5	0	-67	1	0	0	-0	0	19.2	0.1	1.1	0.0	19.4	5	
6	0	3	2	-0	0	-0	0	0.9	0.8	1.7	0.0	3.2	5	
7	0	3	1	0	0	0	0	0.8	0.1	1.1	0.0	2.1	5	
8	0	3	1	0	0	0	0	0.8	0.1	1.1	0.0	2.1	5	
9	0	3	1	0	0	0	0	0.9	0.0	1.1	0.0	2.1	5	
10	0	-110	2	-0	0	-0	0	31.5	1.1	1.7	0.0	32.6	6	
11	0	-68	1	0	0	-0	0	19.5	0.1	1.1	0.0	19.6	5	
12	0	-68	1	0	0	0	0	19.4	0.0	1.1	0.0	19.5	5	
13	0	-68	1	0	0	-0	0	19.4	0.1	1.1	0.0	19.5	5	
14	0	6	2	0	0	-0	0	1.7	0.9	1.9	0.0	3.7	5	
15	0	3	1	0	0	0	0	0.7	0.1	1.1	0.0	2.0	5	
16	0	3	1	0	0	0	0	0.8	0.2	1.1	0.0	2.1	5	
17	0	3	1	0	0	0	0	0.8	0.0	1.1	0.0	2.0	5	
1A	54	23	-0	0	0	-0	0	6.5	21.1	0.0	0.0	27.6	6	
1E	54	37	-0	0	0	-0	0	10.5	21.1	0.0	0.0	31.6	6	
1I	54	9	-0	0	0	-0	0	2.7	21.1	0.0	0.0	23.7	6	
1M	54	50	-0	0	0	-0	0	14.4	21.1	0.0	0.0	35.4	6	
2	54	-109	-0	-0	0	-0	1	31.2	29.4	0.0	0.0	60.7	6	
3	54	-68	-0	0	0	-0	0	19.4	18.4	0.0	0.0	37.8	6	
4	54	-67	-0	0	0	-0	0	19.3	18.4	0.0	0.0	37.6	6	
5	54	-67	-0	0	0	-0	0	19.2	18.4	0.0	0.0	37.6	6	
6	54	3	-0	-0	0	-0	1	1.0	29.6	0.0	0.0	30.5	6	
7	54	3	0	0	0	-0	0	0.8	18.5	0.0	0.0	19.3	6	
8	54	3	0	0	0	-0	0	0.8	18.5	0.0	0.0	19.3	6	
9	54	3	0	0	0	-0	0	0.9	18.5	0.0	0.0	19.4	6	
10	54	-110	-0	-0	0	-0	1	31.5	29.5	0.0	0.0	61.0	6	
11	54	-68	-0	0	0	-0	0	19.5	18.4	0.0	0.0	37.9	6	
12	54	-68	-0	0	0	-0	0	19.4	18.4	0.0	0.0	37.8	6	
13	54	-68	-0	0	0	-0	0	19.4	18.4	0.0	0.0	37.8	6	
14	54	6	-0	0	0	-0	1	1.7	31.6	0.0	0.0	33.3	6	
15	54	3	0	0	0	-0	0	0.7	18.5	0.0	0.0	19.2	6	
16	54	3	-0	0	0	-0	0	0.8	18.5	0.0	0.0	19.3	6	
17	54	3	0	0	0	-0	0	0.8	18.5	0.0	0.0	19.3	6	
1A	109	23	-1	0	0	-0	0	6.5	0.4	1.2	0.0	7.0	5	
1E	109	37	-1	0	0	-0	0	10.5	0.4	1.2	0.0	10.9	1	

1I	109	9	-1	0	0	-0	-0	2.7	0.4	1.2	0.0	3.5	5
1M	109	50	-1	0	0	-0	-0	14.4	0.4	1.2	0.0	14.7	1
2	109	-109	-2	-0	0	0	0	31.2	0.2	1.7	0.0	31.5	5
3	109	-68	-1	0	0	-0	0	19.4	0.1	1.1	0.0	19.5	5
4	109	-67	-1	0	0	-0	0	19.3	0.2	1.1	0.0	19.5	1
5	109	-67	-1	0	0	-0	0	19.2	0.2	1.1	0.0	19.4	1
6	109	3	-2	-0	0	-0	0	1.0	0.3	1.7	0.0	3.2	5
7	109	3	-1	0	0	-0	0	0.8	0.5	1.1	0.0	2.2	5
8	109	3	-1	0	0	-0	0	0.8	0.6	1.1	0.0	2.2	5
9	109	3	-1	0	0	-0	0	0.9	0.6	1.1	0.0	2.2	5
10	109	-110	-2	-0	0	0	0	31.5	0.3	1.8	0.0	31.8	1
11	109	-68	-1	0	0	-0	0	19.5	0.1	1.1	0.0	19.6	5
12	109	-68	-1	0	0	-0	0	19.4	0.2	1.1	0.0	19.6	1
13	109	-68	-1	0	0	-0	0	19.4	0.2	1.1	0.0	19.6	1
14	109	6	-2	0	0	-0	0	1.7	0.3	1.9	0.0	3.7	5
15	109	3	-1	0	0	-0	0	0.7	0.6	1.1	0.0	2.1	5
16	109	3	-1	0	0	-0	0	0.8	0.7	1.1	0.0	2.2	5
17	109	3	-1	0	0	-0	0	0.8	0.6	1.1	0.0	2.1	5

ASTA NUM. 82 NI 57 NF 77 Lungh. 145.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.6803	0.9201	--	--	1.5403	6.1407 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-55	1	0	0	0	0	15.9	0.6	0.9	0.0	16.5	1	
1E	0	-37	1	0	0	0	0	10.6	0.6	0.9	0.0	11.3	1	
1I	0	-73	1	0	0	0	0	21.0	0.5	0.9	0.0	21.5	1	
1M	0	-19	1	0	0	0	0	5.5	0.5	0.9	0.0	6.0	1	
2	0	131	6	1	0	0	-0	37.6	1.7	4.6	0.0	39.2	6	
3	0	81	3	0	0	0	-0	23.3	1.1	2.9	0.0	24.4	6	
4	0	81	3	0	0	0	-0	23.2	1.1	2.9	0.0	24.3	6	
5	0	81	3	0	0	0	-0	23.2	1.0	2.9	0.0	24.2	6	
6	0	-15	3	0	0	0	0	4.2	0.7	2.1	0.0	5.8	5	
7	0	-10	2	0	0	0	0	3.0	0.8	1.3	0.0	4.0	5	
8	0	-10	2	0	0	0	0	3.0	0.8	1.3	0.0	4.0	5	
9	0	-10	2	0	0	0	0	3.0	0.7	1.3	0.0	4.0	5	
10	0	133	6	1	0	0	-0	38.0	1.6	4.6	0.0	39.6	6	
11	0	82	3	0	0	0	-0	23.5	1.1	2.9	0.0	24.6	6	
12	0	81	3	0	0	0	-0	23.3	1.1	2.9	0.0	24.4	6	
13	0	82	3	0	0	0	-0	23.4	1.0	2.9	0.0	24.4	6	
14	0	-19	3	0	0	0	0	5.4	0.7	2.2	0.0	6.9	5	
15	0	-10	2	0	0	0	0	2.9	0.8	1.3	0.0	3.9	5	
16	0	-10	2	0	0	0	0	2.9	0.8	1.3	0.0	4.0	5	
17	0	-10	2	0	0	0	0	2.8	0.7	1.3	0.0	3.9	5	
1A	73	-54	-0	0	0	0	0	15.4	20.3	0.0	0.0	35.7	6	
1E	73	-35	-0	0	0	0	0	10.2	20.3	0.0	0.0	30.4	6	
1I	73	-72	-0	0	0	0	0	20.5	20.2	0.0	0.0	40.7	6	
1M	73	-18	-0	0	0	0	0	5.0	20.2	0.0	0.0	25.2	6	
2	73	131	-0	0	0	-0	2	37.4	104.8	0.0	0.0	142.3	6	
3	73	81	-0	0	0	-0	1	23.2	65.5	0.0	0.0	88.7	6	
4	73	81	-0	0	0	-0	1	23.1	65.5	0.0	0.0	88.6	6	
5	73	81	-0	0	0	-0	1	23.1	65.6	0.0	0.0	88.7	6	
6	73	-13	-0	0	0	-0	1	3.8	47.3	0.0	0.0	51.1	6	
7	73	-9	-0	0	0	-0	1	2.7	29.5	0.0	0.0	32.2	6	
8	73	-9	-0	0	0	-0	1	2.7	29.5	0.0	0.0	32.2	6	
9	73	-9	-0	0	0	-0	1	2.7	29.7	0.0	0.0	32.3	6	
10	73	132	-0	0	0	-0	2	37.8	104.8	0.0	0.0	142.6	6	
11	73	82	-0	0	0	-0	1	23.4	65.5	0.0	0.0	88.9	6	
12	73	81	-0	0	0	-0	1	23.3	65.5	0.0	0.0	88.8	6	
13	73	81	-0	0	0	-0	1	23.3	65.6	0.0	0.0	88.9	6	
14	73	-17	-0	0	0	-0	1	4.9	49.3	0.0	0.0	54.2	6	
15	73	-9	-0	0	0	-0	1	2.6	29.6	0.0	0.0	32.1	6	
16	73	-9	-0	0	0	-0	1	2.6	29.6	0.0	0.0	32.2	6	
17	73	-9	-0	0	0	-0	1	2.5	29.7	0.0	0.0	32.2	6	
1A	145	-52	-1	0	0	-0	-0	14.9	1.0	0.9	0.0	15.9	6	
1E	145	-34	-1	0	0	-0	-0	9.7	1.0	0.9	0.0	10.7	6	
1I	145	-70	-1	0	0	-0	-0	20.0	1.0	0.9	0.0	21.1	6	
1M	145	-16	-1	0	0	-0	-0	4.6	1.0	0.9	0.0	5.6	6	
2	145	130	-6	-1	0	-0	-0	37.3	1.9	4.6	0.0	39.2	6	
3	145	81	-3	-0	0	-0	-0	23.1	1.1	2.9	0.0	24.2	6	
4	145	80	-3	-0	0	-0	-0	23.0	1.1	2.9	0.0	24.1	6	
5	145	80	-3	-0	0	-0	-0	23.0	1.1	2.9	0.0	24.1	6	
6	145	-12	-3	-0	0	-0	-0	3.3	1.7	2.1	0.0	5.2	4	
7	145	-8	-2	-0	0	-0	-0	2.4	0.9	1.3	0.0	3.5	4	
8	145	-8	-2	-0	0	-0	-0	2.4	1.0	1.3	0.0	3.5	4	
9	145	-8	-2	-0	0	-0	-0	2.4	0.9	1.3	0.0	3.5	4	
10	145	132	-6	-1	0	-0	-0	37.7	2.0	4.6	0.0	39.7	6	
11	145	81	-3	-0	0	-0	-0	23.3	1.2	2.9	0.0	24.5	6	
12	145	81	-3	-0	0	-0	-0	23.2	1.2	2.9	0.0	24.4	6	
13	145	81	-3	-0	0	-0	-0	23.2	1.1	2.9	0.0	24.4	6	
14	145	-15	-3	-0	0	-0	-0	4.4	1.7	2.2	0.0	6.2	4	
15	145	-8	-2	-0	0	-0	-0	2.3	0.9	1.3	0.0	3.4	4	
16	145	-8	-2	-0	0	-0	-0	2.3	1.0	1.3	0.0	3.4	4	
17	145	-8	-2	-0	0	-0	-0	2.3	0.9	1.3	0.0	3.4	4	

ASTA NUM. 83 NI 86 NF 72 Lungh. 35.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	31	-0	-0	0	0	0	9.9	6.1	0.2	0.0	16.0	6	
1E	0	34	-0	-0	0	0	0	11.1	6.1	0.2	0.0	17.2	6	
1I	0	26	-0	-0	0	-0	0	8.5	6.2	0.2	0.0	14.7	6	
1M	0	38	-0	-0	0	-0	0	12.5	6.2	0.2	0.0	18.7	6	
2	0	88	-0	-0	0	-0	0	28.7	9.1	0.3	0.0	37.8	6	
3	0	54	-0	-0	0	-0	0	17.5	5.3	0.1	0.0	22.8	6	
4	0	54	-0	-0	0	-0	0	17.7	5.1	0.1	0.0	22.8	6	
5	0	55	-0	-0	0	-0	0	17.8	5.7	0.2	0.0	23.5	6	
6	0	62	-0	-0	0	-0	0	20.0	10.1	0.5	0.0	30.1	6	
7	0	37	-0	-0	0	-0	0	12.0	5.8	0.2	0.0	17.8	6	
8	0	38	-0	-0	0	-0	0	12.2	5.6	0.2	0.0	17.8	6	
9	0	39	-0	-0	0	-0	0	12.5	6.4	0.3	0.0	19.0	6	
10	0	91	-0	-0	0	-0	0	29.5	10.1	0.4	0.0	39.6	6	
11	0	55	-0	-0	0	-0	0	18.0	5.9	0.2	0.0	23.9	6	
12	0	57	-0	-0	0	-0	0	18.5	5.9	0.2	0.0	24.4	6	
13	0	56	-0	-0	0	-0	0	18.2	6.2	0.2	0.0	24.4	6	
14	0	60	-0	-0	0	-0	0	19.4	10.0	0.4	0.0	29.4	6	
15	0	35	-0	-0	0	-0	0	11.4	5.7	0.2	0.0	17.1	6	
16	0	37	-0	-0	0	-0	0	12.1	5.8	0.2	0.0	17.9	6	
17	0	36	-0	-0	0	-0	0	11.7	6.1	0.3	0.0	17.8	6	
1A	18	31	-1	-0	0	0	0	9.9	0.8	0.6	0.0	10.7	6	
1E	18	34	-1	-0	0	0	0	11.1	0.8	0.6	0.0	12.0	6	
1I	18	26	-1	-0	0	0	0	8.5	0.8	0.6	0.0	9.4	6	
1M	18	38	-1	-0	0	0	0	12.5	0.8	0.6	0.0	13.3	6	
2	18	88	-1	-0	0	0	0	28.7	1.7	0.9	0.0	30.3	6	
3	18	54	-1	-0	0	0	0	17.5	1.2	0.5	0.0	18.7	6	
4	18	54	-1	-0	0	0	0	17.7	1.3	0.5	0.0	19.0	6	
5	18	55	-1	-0	0	0	0	17.8	1.2	0.5	0.0	19.0	6	
6	18	62	-1	-0	0	0	0	20.0	0.9	1.0	0.0	20.9	6	
7	18	37	-1	-0	0	0	0	12.0	0.8	0.6	0.0	12.7	6	
8	18	38	-1	-0	0	0	0	12.2	0.9	0.5	0.0	13.1	6	
9	18	39	-1	-0	0	0	0	12.5	0.3	0.6	0.0	12.8	1	
10	18	91	-1	-0	0	0	0	29.5	1.4	1.0	0.0	30.9	6	
11	18	55	-1	-0	0	0	0	18.0	1.0	0.6	0.0	19.0	6	
12	18	57	-1	-0	0	0	0	18.5	1.1	0.5	0.0	19.6	6	
13	18	56	-1	-0	0	0	0	18.2	1.0	0.6	0.0	19.2	6	
14	18	60	-1	-0	0	0	0	19.4	1.1	1.0	0.0	20.6	6	
15	18	35	-1	-0	0	0	0	11.4	0.8	0.6	0.0	12.2	6	
16	18	37	-1	-0	0	0	0	12.1	0.8	0.6	0.0	12.9	6	
17	18	36	-1	-0	0	0	0	11.7	0.3	0.6	0.0	12.0	1	
1A	36	31	-1	-0	0	0	-0	9.9	9.6	1.0	0.0	19.5	6	
1E	36	34	-1	-0	0	0	-0	11.1	9.6	1.0	0.0	20.8	6	
1I	36	26	-1	-0	0	0	-0	8.5	9.7	1.0	0.0	18.3	6	
1M	36	38	-1	-0	0	0	-0	12.5	9.7	1.0	0.0	22.2	6	
2	36	88	-2	-0	0	0	-0	28.7	13.0	1.4	0.0	41.7	6	
3	36	54	-1	-0	0	0	-0	17.5	7.6	0.8	0.0	25.0	6	
4	36	54	-1	-0	0	0	-0	17.7	7.2	0.8	0.0	24.9	6	
5	36	55	-1	-0	0	0	-0	17.8	8.1	0.9	0.0	25.9	6	
6	36	62	-2	-0	0	0	-0	20.0	15.6	1.6	0.0	35.6	6	
7	36	37	-1	-0	0	0	-0	12.0	9.0	0.9	0.0	21.0	6	
8	36	38	-1	-0	0	0	-0	12.2	8.7	0.9	0.0	20.9	6	
9	36	39	-1	-0	0	0	-0	12.5	9.9	1.0	0.0	22.4	6	
10	36	91	-2	-0	0	0	-0	29.5	14.5	1.5	0.0	44.0	6	
11	36	55	-1	-0	0	0	-0	18.0	8.4	0.9	0.0	26.4	6	
12	36	57	-1	-0	0	0	-0	18.5	8.3	0.9	0.0	26.8	6	
13	36	56	-1	-0	0	0	-0	18.2	8.8	0.9	0.0	27.0	6	
14	36	60	-2	-0	0	0	-0	19.4	15.6	1.6	0.0	35.0	6	
15	36	35	-1	-0	0	0	-0	11.4	8.9	0.9	0.0	20.3	6	
16	36	37	-1	-0	0	0	-0	12.1	9.0	0.9	0.0	21.1	6	
17	36	36	-1	-0	0	0	-0	11.7	9.5	1.0	0.0	21.2	6	

ASTA NUM. 84 NI 68 NF 86 Lungh. 106.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0415	-0.0104	--	--	-0.1944	-0.2463 daN/m

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

1A	0	-97	-0	0	0	-0	0	31.3	2.8	0.2	0.0	34.2	1
1E	0	-87	-0	0	0	-0	0	28.1	2.8	0.2	0.0	31.0	1
1I	0	-108	-0	0	0	-0	0	35.0	2.8	0.2	0.0	37.8	1
1M	0	-75	-0	0	0	-0	0	24.4	2.8	0.2	0.0	27.2	1
2	0	-255	-0	-4	0	-0	0	82.9	4.8	3.3	0.0	87.6	1
3	0	-157	-0	-2	0	-0	0	50.8	2.8	2.0	0.0	53.7	1
4	0	-158	-0	-2	0	-0	0	51.4	2.7	2.0	0.0	54.1	1
5	0	-159	-0	-2	0	-0	0	51.6	2.9	2.0	0.0	54.5	1
6	0	-172	-0	-1	0	-0	0	55.9	4.8	0.6	0.0	60.8	1
7	0	-104	-0	-0	0	-0	0	33.8	2.8	0.4	0.0	36.6	1
8	0	-106	-0	-0	0	-0	0	34.4	2.8	0.4	0.0	37.2	1
9	0	-108	-0	-0	0	-0	0	35.1	3.0	0.4	0.0	38.0	1
10	0	-261	-0	-4	0	-0	0	84.6	5.1	3.3	0.0	89.8	1
11	0	-160	-0	-2	0	-0	0	51.9	3.0	2.0	0.0	54.9	1
12	0	-163	-0	-2	0	-0	0	53.1	3.0	2.0	0.0	56.1	1
13	0	-161	-0	-2	0	-0	0	52.3	3.1	2.0	0.0	55.4	1
14	0	-170	-0	-1	0	-0	0	55.1	4.8	0.6	0.0	59.9	1
15	0	-100	-0	-0	0	-0	0	32.5	2.7	0.4	0.0	35.2	1
16	0	-105	-0	-0	0	-0	0	34.2	2.8	0.4	0.0	36.9	1
17	0	-102	-0	-0	0	-0	0	33.1	2.8	0.4	0.0	36.0	1
1A	53	-95	0	0	0	-0	-0	30.9	7.3	0.0	0.0	38.2	1
1E	53	-85	0	0	0	-0	-0	27.7	7.3	0.0	0.0	35.0	1
1I	53	-107	0	0	0	-0	-0	34.6	7.3	0.0	0.0	41.9	1
1M	53	-74	0	0	0	-0	-0	24.0	7.3	0.0	0.0	31.4	1
2	53	-253	0	0	0	1	-0	82.2	55.1	0.1	0.0	137.3	1
3	53	-155	0	0	0	1	-0	50.4	34.7	0.0	0.0	85.1	1
4	53	-157	0	0	0	1	-0	50.9	34.7	0.0	0.0	85.7	1
5	53	-158	0	0	0	1	-0	51.2	34.6	0.0	0.0	85.8	1
6	53	-170	0	0	0	0	-0	55.3	6.1	0.1	0.0	61.4	1
7	53	-103	0	0	0	0	-0	33.4	4.2	0.0	0.0	37.6	1
8	53	-105	0	0	0	0	-0	34.0	4.2	0.0	0.0	38.2	1
9	53	-107	0	0	0	0	-0	34.7	4.0	0.0	0.0	38.7	1
10	53	-258	0	0	0	1	-0	83.9	54.6	0.1	0.0	138.5	1
11	53	-158	0	0	0	1	-0	51.4	34.4	0.0	0.0	85.8	1
12	53	-162	0	0	0	1	-0	52.6	34.4	0.0	0.0	87.0	1
13	53	-160	0	0	0	1	-0	51.9	34.4	0.0	0.0	86.3	1
14	53	-168	0	0	0	0	-0	54.5	6.2	0.1	0.0	60.7	1
15	53	-99	0	0	0	0	-0	32.1	4.4	0.0	0.0	36.5	1
16	53	-104	0	0	0	0	-0	33.8	4.2	0.0	0.0	38.0	1
17	53	-101	0	0	0	0	-0	32.7	4.3	0.0	0.0	37.0	1
1A	106	-94	0	-0	0	-0	0	30.5	6.1	0.1	0.0	36.6	1
1E	106	-84	0	-0	0	-0	0	27.3	6.1	0.1	0.0	33.4	1
1I	106	-105	0	-0	0	-0	0	34.2	6.1	0.1	0.0	40.3	1
1M	106	-73	0	-0	0	-0	0	23.6	6.1	0.1	0.0	29.7	1
2	106	-251	0	4	0	-0	0	81.5	9.5	3.4	0.0	90.9	1
3	106	-154	0	2	0	-0	0	50.0	5.6	2.1	0.0	55.5	1
4	106	-155	0	2	0	-0	0	50.5	5.6	2.1	0.0	56.1	1
5	106	-156	0	2	0	-0	0	50.7	5.7	2.1	0.0	56.4	1
6	106	-169	0	1	0	-0	0	54.7	10.3	0.8	0.0	65.0	1
7	106	-102	0	1	0	-0	0	33.1	6.0	0.5	0.0	39.1	1
8	106	-104	0	1	0	-0	0	33.6	6.1	0.5	0.0	39.7	1
9	106	-106	0	1	0	-0	0	34.3	6.3	0.5	0.0	40.6	1
10	106	-256	0	4	0	-0	0	83.2	10.1	3.4	0.0	93.3	1
11	106	-157	0	2	0	-0	0	51.0	5.9	2.1	0.0	56.9	1
12	106	-161	0	2	0	-0	0	52.2	6.1	2.1	0.0	58.3	1
13	106	-158	0	2	0	-0	0	51.4	6.0	2.1	0.0	57.4	1
14	106	-166	0	1	0	-0	0	53.8	9.9	0.7	0.0	63.7	1
15	106	-98	0	1	0	-0	0	31.7	5.7	0.5	0.0	37.4	1
16	106	-103	0	1	0	-0	0	33.4	6.0	0.5	0.0	39.4	1
17	106	-100	0	1	0	-0	0	32.4	5.8	0.5	0.0	38.2	1

ASTA NUM. 85 NI 82 NF 68 Lungh. 71.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	25	1	-0	0	0	-0	8.0	2.3	0.9	0.0	10.3	6	
1E	0	33	1	-0	0	0	-0	10.6	2.3	0.9	0.0	12.9	6	
1I	0	16	1	-0	0	0	-0	5.2	2.3	0.9	0.0	7.5	6	
1M	0	41	1	-0	0	0	-0	13.3	2.3	0.9	0.0	15.7	6	
2	0	137	1	-0	0	-0	-0	44.5	3.3	1.2	0.0	47.7	6	
3	0	85	1	-0	0	-0	-0	27.6	2.1	0.7	0.0	29.7	6	
4	0	86	1	-0	0	-0	-0	27.8	2.2	0.8	0.0	30.1	6	
5	0	86	1	-0	0	-0	-0	27.9	2.1	0.7	0.0	29.9	6	
6	0	66	1	-0	0	0	-0	21.5	3.7	1.2	0.0	25.2	6	
7	0	41	1	-0	0	-0	-0	13.3	2.2	0.8	0.0	15.5	6	
8	0	41	1	-0	0	-0	-0	13.4	2.4	0.8	0.0	15.8	6	
9	0	42	1	-0	0	-0	-0	13.5	2.2	0.8	0.0	15.7	6	
10	0	138	1	-0	0	-0	-0	44.8	3.3	1.2	0.0	48.1	6	
11	0	86	1	-0	0	-0	-0	27.8	2.1	0.7	0.0	29.9	6	
12	0	87	1	-0	0	-0	-0	28.1	2.3	0.8	0.0	30.5	6	
13	0	86	1	-0	0	-0	-0	28.0	2.0	0.7	0.0	30.0	6	
14	0	67	1	-0	0	0	-0	21.7	3.4	1.3	0.0	25.1	6	
15	0	40	1	-0	0	-0	-0	13.0	2.0	0.8	0.0	15.0	6	
16	0	41	1	-0	0	-0	-0	13.4	2.3	0.8	0.0	15.7	6	
17	0	40	1	-0	0	-0	-0	13.1	2.0	0.7	0.0	15.1	6	
1A	36	25	0	-0	0	0	0	8.0	9.3	0.1	0.0	17.3	6	
1E	36	33	0	-0	0	0	0	10.6	9.3	0.1	0.0	19.9	6	
1I	36	16	0	-0	0	0	0	5.2	9.3	0.1	0.0	14.5	6	
1M	36	41	0	-0	0	0	0	13.3	9.3	0.1	0.0	22.7	6	
2	36	137	0	-0	0	0	0	44.5	13.0	0.1	0.0	57.5	6	
3	36	85	0	-0	0	0	0	27.6	8.2	0.0	0.0	35.8	6	
4	36	86	0	-0	0	0	0	27.8	8.3	0.1	0.0	36.1	6	
5	36	86	0	-0	0	0	0	27.9	8.2	0.0	0.0	36.0	6	
6	36	66	0	-0	0	0	0	21.5	12.9	0.1	0.0	34.4	6	
7	36	41	0	-0	0	0	0	13.3	8.2	0.1	0.0	21.4	6	
8	36	41	0	-0	0	0	0	13.4	8.2	0.1	0.0	21.6	6	
9	36	42	0	-0	0	0	0	13.5	8.1	0.1	0.0	21.6	6	
10	36	138	0	-0	0	0	0	44.8	12.9	0.1	0.0	57.7	6	
11	36	86	0	-0	0	0	0	27.8	8.1	0.0	0.0	36.0	6	
12	36	87	0	-0	0	0	0	28.1	8.2	0.1	0.0	36.3	6	
13	36	86	0	-0	0	0	0	28.0	8.1	0.0	0.0	36.1	6	
14	36	67	0	-0	0	0	0	21.7	13.9	0.1	0.0	35.6	6	
15	36	40	0	-0	0	0	0	13.0	8.2	0.0	0.0	21.1	6	
16	36	41	0	-0	0	0	0	13.4	8.2	0.1	0.0	21.6	6	
17	36	40	0	-0	0	0	0	13.1	8.1	0.0	0.0	21.3	6	
1A	71	25	-1	-0	0	0	-0	8.0	0.6	0.7	0.0	8.6	1	
1E	71	33	-1	-0	0	0	-0	10.6	0.6	0.7	0.0	11.2	1	
1I	71	16	-1	-0	0	0	-0	5.2	0.7	0.7	0.0	5.9	1	
1M	71	41	-1	-0	0	0	-0	13.3	0.7	0.7	0.0	14.0	1	
2	71	137	-1	-0	0	0	0	44.5	2.0	1.0	0.0	46.5	1	
3	71	85	-1	-0	0	0	0	27.6	1.4	0.7	0.0	29.0	1	
4	71	86	-1	-0	0	0	0	27.8	1.9	0.6	0.0	29.7	1	
5	71	86	-1	-0	0	0	0	27.8	1.5	0.7	0.0	29.3	1	
6	71	66	-1	-0	0	0	0	21.5	1.6	1.0	0.0	23.1	1	
7	71	41	-1	-0	0	0	0	13.3	1.2	0.6	0.0	14.5	1	
8	71	41	-1	-0	0	0	0	13.4	1.8	0.6	0.0	15.2	1	
9	71	42	-1	-0	0	0	0	13.5	1.2	0.6	0.0	14.8	1	
10	71	138	-1	-0	0	0	0	44.7	1.8	1.0	0.0	46.5	1	
11	71	86	-1	-0	0	0	0	27.8	1.4	0.7	0.0	29.2	1	
12	71	87	-1	-0	0	0	0	28.1	1.7	0.6	0.0	29.8	1	
13	71	86	-1	-0	0	0	0	27.9	1.5	0.7	0.0	29.4	1	
14	71	67	-1	-0	0	0	0	21.7	1.2	1.1	0.0	22.9	1	
15	71	40	-1	-0	0	0	0	13.0	1.2	0.7	0.0	14.2	1	
16	71	41	-1	-0	0	0	0	13.4	1.8	0.6	0.0	15.2	1	
17	71	40	-1	-0	0	0	0	13.1	1.2	0.7	0.0	14.4	1	

ASTA NUM. 86 NI 66 NF 82 Lungh. 119.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.0075	-1.0019	--	--	0.9457	-4.0637 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-51	1	-0	0	0	0	16.7	1.2	0.5	0.0	17.9	6	
1E	0	-38	1	-0	0	0	0	12.4	1.2	0.5	0.0	13.6	6	
1I	0	-65	1	-0	0	0	0	21.0	1.2	0.5	0.0	22.3	6	
1M	0	-25	1	-0	0	0	0	8.1	1.2	0.5	0.0	9.3	6	
2	0	-219	-3	1	0	-0	0	71.1	2.7	2.6	0.0	73.8	6	
3	0	-137	-2	0	0	-0	0	44.4	1.7	1.6	0.0	46.1	6	
4	0	-137	-2	0	0	-0	0	44.6	1.7	1.6	0.0	46.3	6	
5	0	-137	-2	0	0	-0	0	44.6	1.8	1.6	0.0	46.3	6	
6	0	-103	-0	0	0	0	0	33.3	2.2	0.2	0.0	35.5	6	
7	0	-64	-0	0	0	-0	0	20.7	1.4	0.1	0.0	22.1	6	
8	0	-64	-0	0	0	-0	0	20.9	1.4	0.1	0.0	22.3	6	
9	0	-65	-0	0	0	-0	0	21.0	1.4	0.1	0.0	22.4	6	
10	0	-220	-3	1	0	0	0	71.3	2.9	2.6	0.0	74.1	6	
11	0	-137	-2	0	0	-0	0	44.4	1.8	1.6	0.0	46.2	6	
12	0	-138	-2	0	0	-0	0	44.8	1.8	1.6	0.0	46.6	6	
13	0	-137	-2	0	0	-0	0	44.6	1.8	1.6	0.0	46.4	6	
14	0	-106	-0	0	0	0	0	34.4	2.2	0.2	0.0	36.5	6	
15	0	-63	-0	0	0	-0	0	20.6	1.4	0.1	0.0	21.9	6	
16	0	-64	-0	0	0	-0	0	20.9	1.4	0.1	0.0	22.3	6	
17	0	-64	-0	0	0	-0	0	20.7	1.4	0.1	0.0	22.1	6	
1A	60	-50	-0	-0	0	0	0	16.3	11.8	0.0	0.0	28.1	6	
1E	60	-37	-0	-0	0	0	0	12.0	11.8	0.0	0.0	23.8	6	
1I	60	-63	-0	-0	0	0	0	20.6	11.8	0.0	0.0	32.4	6	
1M	60	-23	-0	-0	0	0	0	7.6	11.8	0.0	0.0	19.4	6	
2	60	-216	-0	-0	0	-0	-1	70.0	57.2	0.0	0.0	127.2	6	

3	60	-135	-0	-0	0	-0	-1	43.7	35.8	0.0	0.0	79.5	6
4	60	-135	-0	-0	0	-0	-1	43.9	35.8	0.0	0.0	79.7	6
5	60	-135	-0	-0	0	-0	-1	43.9	35.8	0.0	0.0	79.7	6
6	60	-100	-0	-0	0	-0	-0	32.6	2.9	0.0	0.0	35.5	1
7	60	-62	-0	-0	0	-0	-0	20.3	2.0	0.0	0.0	22.3	1
8	60	-63	-0	-0	0	-0	-0	20.5	2.0	0.0	0.0	22.5	1
9	60	-63	-0	-0	0	-0	-0	20.5	2.0	0.0	0.0	22.5	1
10	60	-216	-0	-0	0	-0	-1	70.2	57.0	0.0	0.0	127.2	6
11	60	-135	-0	-0	0	-0	-1	43.8	35.7	0.0	0.0	79.5	6
12	60	-136	-0	-0	0	-0	-1	44.1	35.7	0.0	0.0	79.8	6
13	60	-135	-0	-0	0	-0	-1	43.9	35.7	0.0	0.0	79.6	6
14	60	-103	-0	-0	0	-0	0	33.6	2.8	0.0	0.0	36.4	1
15	60	-62	-0	-0	0	-0	-0	20.1	2.0	0.0	0.0	22.1	1
16	60	-63	-0	-0	0	-0	-0	20.5	2.0	0.0	0.0	22.5	1
17	60	-62	-0	-0	0	-0	-0	20.3	2.0	0.0	0.0	22.2	1
1A	120	-49	-1	-0	0	0	-0	15.8	0.9	0.5	0.0	16.7	1
1E	120	-35	-1	-0	0	0	-0	11.5	0.9	0.5	0.0	12.4	1
1I	120	-62	-1	-0	0	0	-0	20.2	0.9	0.5	0.0	21.0	1
1M	120	-22	-1	-0	0	0	-0	7.2	0.9	0.5	0.0	8.1	1
2	120	-212	3	-1	0	0	0	68.9	2.1	2.6	0.0	71.1	1
3	120	-132	2	-0	0	0	0	43.0	1.3	1.6	0.0	44.3	1
4	120	-133	2	-0	0	0	0	43.2	1.4	1.6	0.0	44.5	1
5	120	-133	2	-0	0	0	0	43.2	1.3	1.6	0.0	44.5	1
6	120	-98	0	-0	0	0	0	31.8	1.8	0.2	0.0	33.6	1
7	120	-61	0	-0	0	0	0	19.8	1.1	0.1	0.0	20.9	1
8	120	-62	0	-0	0	0	0	20.0	1.2	0.1	0.0	21.2	1
9	120	-62	0	-0	0	0	0	20.1	1.1	0.1	0.0	21.2	1
10	120	-213	3	-1	0	0	0	69.1	2.3	2.6	0.0	71.4	1
11	120	-133	2	-0	0	0	0	43.1	1.4	1.6	0.0	44.5	1
12	120	-134	2	-0	0	0	0	43.4	1.5	1.6	0.0	44.9	1
13	120	-133	2	-0	0	0	0	43.2	1.4	1.6	0.0	44.6	1
14	120	-101	0	-0	0	0	0	32.8	1.8	0.2	0.0	34.6	1
15	120	-61	0	-0	0	0	0	19.7	1.1	0.1	0.0	20.7	1
16	120	-62	0	-0	0	0	0	20.0	1.2	0.1	0.0	21.2	1
17	120	-61	0	-0	0	0	0	19.8	1.1	0.1	0.0	20.9	1

ASTA NUM. 87 NI 78 NF 66 Lungh. 108.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	30	2	-0	0	-0	-0	8.7	1.2	1.2	0.0	9.9	6	
1E	0	44	2	-0	0	-0	-0	12.7	1.2	1.2	0.0	13.9	6	
1I	0	17	2	-0	0	-0	-0	4.9	1.2	1.2	0.0	6.0	6	
1M	0	58	2	-0	0	-0	-0	16.6	1.2	1.2	0.0	17.7	6	
2	0	202	2	-0	0	-0	-0	57.9	2.1	1.8	0.0	60.1	6	
3	0	126	1	-0	0	-0	-0	36.2	1.4	1.1	0.0	37.6	6	
4	0	126	1	-0	0	-0	-0	36.2	1.5	1.1	0.0	37.7	6	
5	0	127	1	-0	0	-0	-0	36.2	1.4	1.1	0.0	37.6	6	
6	0	91	2	-0	0	-0	-0	26.0	2.1	1.8	0.0	28.1	6	
7	0	57	1	-0	0	-0	-0	16.2	1.4	1.1	0.0	17.7	6	
8	0	57	1	-0	0	-0	-0	16.3	1.5	1.1	0.0	17.7	6	
9	0	57	1	-0	0	-0	-0	16.4	1.4	1.1	0.0	17.7	6	
10	0	203	2	-0	0	-0	-0	58.1	2.2	1.8	0.0	60.2	6	
11	0	127	1	-0	0	-0	-0	36.2	1.4	1.1	0.0	37.7	6	
12	0	127	1	-0	0	-0	-0	36.4	1.5	1.1	0.0	37.9	6	
13	0	127	1	-0	0	-0	-0	36.3	1.4	1.1	0.0	37.7	6	
14	0	93	2	-0	0	-0	-0	26.7	2.0	1.9	0.0	28.8	6	
15	0	56	1	-0	0	-0	-0	16.1	1.4	1.1	0.0	17.5	6	
16	0	57	1	-0	0	-0	-0	16.2	1.4	1.1	0.0	17.7	6	
17	0	56	1	-0	0	-0	-0	16.2	1.3	1.1	0.0	17.5	6	
1A	54	30	0	-0	0	-0	0	8.7	19.9	0.0	0.0	28.6	6	
1E	54	44	0	-0	0	-0	0	12.7	19.9	0.0	0.0	32.6	6	
1I	54	17	0	-0	0	-0	0	4.9	19.9	0.0	0.0	24.7	6	
1M	54	58	0	-0	0	-0	0	16.6	19.9	0.0	0.0	36.5	6	
2	54	202	0	-0	0	0	1	57.9	27.7	0.0	0.0	85.7	6	
3	54	126	0	-0	0	0	0	36.2	17.4	0.0	0.0	53.5	6	
4	54	126	0	-0	0	0	0	36.2	17.4	0.0	0.0	53.6	6	
5	54	126	0	-0	0	0	0	36.2	17.4	0.0	0.0	53.6	6	
6	54	91	0	-0	0	-0	1	26.0	27.7	0.0	0.0	53.7	6	
7	54	57	0	-0	0	-0	0	16.2	17.3	0.0	0.0	33.6	6	
8	54	57	0	-0	0	0	0	16.3	17.3	0.0	0.0	33.6	6	
9	54	57	0	-0	0	-0	0	16.4	17.3	0.0	0.0	33.6	6	
10	54	203	0	-0	0	0	1	58.0	27.7	0.0	0.0	85.7	6	
11	54	126	0	-0	0	0	0	36.2	17.3	0.0	0.0	53.6	6	
12	54	127	0	-0	0	0	0	36.3	17.4	0.0	0.0	53.7	6	
13	54	127	0	-0	0	0	0	36.3	17.3	0.0	0.0	53.6	6	
14	54	93	0	-0	0	-0	1	26.7	29.7	0.0	0.0	56.4	6	
15	54	56	0	-0	0	-0	0	16.1	17.3	0.0	0.0	33.4	6	
16	54	57	0	-0	0	0	0	16.2	17.3	0.0	0.0	33.6	6	
17	54	56	0	-0	0	-0	0	16.2	17.3	0.0	0.0	33.5	6	
1A	109	30	-1	-0	0	0	-0	8.7	0.5	1.2	0.0	9.3	6	
1E	109	44	-1	-0	0	0	-0	12.7	0.5	1.2	0.0	13.3	6	
1I	109	17	-1	-0	0	0	-0	4.9	0.6	1.2	0.0	5.5	6	
1M	109	58	-1	-0	0	0	-0	16.6	0.6	1.2	0.0	17.2	6	
2	109	202	-2	-0	0	0	-0	57.9	1.2	1.7	0.0	59.1	1	
3	109	126	-1	-0	0	0	0	36.2	0.8	1.1	0.0	37.0	1	
4	109	126	-1	-0	0	0	0	36.2	1.0	1.1	0.0	37.2	1	
5	109	127	-1	-0	0	0	0	36.2	0.8	1.1	0.0	37.1	1	
6	109	91	-2	-0	0	0	-0	26.0	1.0	1.7	0.0	27.0	6	
7	109	57	-1	-0	0	0	0	16.2	0.6	1.1	0.0	16.8	1	
8	109	57	-1	-0	0	0	0	16.3	0.8	1.1	0.0	17.0	1	
9	109	57	-1	-0	0	0	0	16.4	0.5	1.1	0.0	16.9	1	
10	109	203	-2	-0	0	0	-0	58.0	1.2	1.7	0.0	59.3	1	
11	109	126	-1	-0	0	0	0	36.2	0.8	1.1	0.0	37.0	1	
12	109	127	-1	-0	0	0	0	36.3	1.0	1.1	0.0	37.4	1	
13	109	127	-1	-0	0	0	0	36.3	0.8	1.1	0.0	37.1	1	
14	109	93	-2	-0	0	0	-0	26.7	1.1	1.8	0.0	27.8	6	
15	109	56	-1	-0	0	0	0	16.1	0.6	1.1	0.0	16.7	1	
16	109	57	-1	-0	0	0	0	16.2	0.8	1.1	0.0	17.0	1	
17	109	56	-1	-0	0	0	-0	16.2	0.8	1.1	0.0	16.9	6	

ASTA NUM. 88 NI 58 NF 78 Lungh. 145.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.6803	-0.9201	--	--	1.5403	-3.0600 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-66	1	0	0	0	0	18.9	0.3	0.9	0.0	19.2	1	
1E	0	-48	1	0	0	0	0	13.7	0.3	0.9	0.0	14.0	1	
1I	0	-84	1	0	0	0	0	24.0	0.2	0.9	0.0	24.3	1	
1M	0	-30	1	0	0	0	0	8.5	0.2	0.9	0.0	8.8	1	
2	0	-275	-2	1	0	0	0	78.7	0.9	2.0	0.0	79.6	6	
3	0	-172	-2	0	0	-0	0	49.2	0.2	1.3	0.0	49.3	1	
4	0	-172	-2	0	0	-0	0	49.1	0.7	1.3	0.0	49.8	6	
5	0	-172	-2	0	0	-0	0	49.2	0.6	1.3	0.0	49.9	6	
6	0	-130	1	0	0	0	0	37.2	0.3	0.5	0.0	37.4	1	
7	0	-81	0	0	0	-0	0	23.2	0.2	0.3	0.0	23.4	1	
8	0	-81	0	0	0	-0	0	23.2	0.3	0.3	0.0	23.5	1	
9	0	-81	0	0	0	-0	0	23.3	0.1	0.3	0.0	23.4	1	
10	0	-275	-2	1	0	0	0	78.8	1.0	2.0	0.0	79.8	6	
11	0	-172	-2	0	0	-0	0	49.2	0.6	1.3	0.0	49.8	6	
12	0	-172	-2	0	0	-0	0	49.3	0.7	1.3	0.0	50.0	6	
13	0	-172	-2	0	0	-0	0	49.3	0.6	1.3	0.0	49.9	6	
14	0	-134	1	0	0	0	0	38.4	0.3	0.6	0.0	38.6	1	
15	0	-81	0	0	0	-0	0	23.1	0.2	0.3	0.0	23.3	1	
16	0	-81	0	0	0	-0	0	23.1	0.3	0.3	0.0	23.4	1	
17	0	-81	0	0	0	-0	0	23.1	0.1	0.3	0.0	23.2	1	
1A	73	-64	0	0	0	0	0	18.4	20.8	0.0	0.0	39.2	6	
1E	73	-46	0	0	0	0	0	13.2	20.8	0.0	0.0	34.0	6	
1I	73	-82	0	0	0	-0	0	23.6	20.7	0.0	0.0	44.3	6	
1M	73	-28	0	0	0	-0	0	8.1	20.7	0.0	0.0	28.8	6	
2	73	-270	0	0	0	-0	-1	77.2	47.7	0.0	0.0	125.0	6	
3	73	-168	0	-0	0	-0	-1	48.3	29.9	0.0	0.0	78.2	6	
4	73	-168	0	-0	0	-0	-1	48.2	29.8	0.0	0.0	78.1	6	
5	73	-169	0	-0	0	-0	-1	48.3	29.9	0.0	0.0	78.2	6	
6	73	-127	0	0	0	-0	0	36.3	11.8	0.0	0.0	48.1	6	
7	73	-79	0	-0	0	-0	0	22.7	7.4	0.0	0.0	30.1	6	
8	73	-79	0	-0	0	-0	0	22.7	7.4	0.0	0.0	30.1	6	
9	73	-80	0	0	0	-0	0	22.8	7.4	0.0	0.0	30.2	6	
10	73	-270	0	0	0	-0	-1	77.4	47.7	0.0	0.0	125.0	6	
11	73	-169	0	-0	0	-0	-1	48.3	29.8	0.0	0.0	78.2	6	
12	73	-169	0	-0	0	-0	-1	48.4	29.8	0.0	0.0	78.2	6	
13	73	-169	0	-0	0	-0	-1	48.4	29.8	0.0	0.0	78.2	6	
14	73	-131	0	0	0	-0	0	37.5	13.8	0.0	0.0	51.3	6	
15	73	-79	0	-0	0	-0	0	22.5	7.4	0.0	0.0	29.9	6	
16	73	-79	0	-0	0	-0	0	22.6	7.5	0.0	0.0	30.1	6	
17	73	-79	0	0	0	-0	0	22.6	7.4	0.0	0.0	30.0	6	
1A	145	-63	-1	0	0	-0	-0	18.0	0.2	0.9	0.0	18.2	1	
1E	145	-44	-1	0	0	-0	-0	12.7	0.2	0.9	0.0	12.9	1	
1I	145	-81	-1	0	0	-0	-0	23.1	0.3	0.9	0.0	23.3	1	
1M	145	-27	-1	0	0	-0	-0	7.6	0.3	0.9	0.0	7.9	1	
2	145	-265	2	-1	0	0	0	75.8	1.3	2.0	0.0	77.1	6	
3	145	-165	2	-0	0	0	0	47.4	0.8	1.3	0.0	48.1	6	
4	145	-165	2	-0	0	0	0	47.3	0.8	1.3	0.0	48.2	6	
5	145	-166	2	-0	0	0	0	47.4	0.8	1.3	0.0	48.2	6	
6	145	-124	-1	-0	0	-0	0	35.5	1.1	0.5	0.0	36.5	6	
7	145	-77	-0	-0	0	-0	0	22.2	0.6	0.3	0.0	22.8	6	
8	145	-77	-0	-0	0	-0	0	22.1	0.6	0.3	0.0	22.8	6	
9	145	-78	-0	-0	0	-0	0	22.3	0.6	0.3	0.0	22.9	6	

10	145	-265	2	-1	0	-0	0	75.9	1.4	2.0	0.0	77.3	6
11	145	-166	2	-0	0	0	0	47.4	0.8	1.3	0.0	48.2	6
12	145	-166	2	-0	0	0	0	47.5	0.9	1.3	0.0	48.4	6
13	145	-166	2	-0	0	0	0	47.5	0.8	1.3	0.0	48.3	6
14	145	-128	-1	-0	0	-0	0	36.6	1.0	0.6	0.0	37.6	6
15	145	-77	-0	-0	0	-0	0	22.0	0.6	0.3	0.0	22.6	6
16	145	-77	-0	-0	0	-0	0	22.1	0.6	0.3	0.0	22.7	6
17	145	-77	-0	-0	0	-0	0	22.1	0.6	0.3	0.0	22.6	6

ASTA NUM. 89 NI 84 NF 73 Lungh. 35.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13	1	0	0	0	-0	4.2	5.3	1.0	0.0	9.6	6	
1E	0	-9	1	0	0	0	-0	3.0	5.3	1.0	0.0	8.4	6	
1I	0	-17	1	0	0	0	-0	5.6	5.3	1.0	0.0	10.9	6	
1M	0	-5	1	0	0	0	-0	1.7	5.3	1.0	0.0	6.9	6	
2	0	-62	1	0	0	0	-0	20.2	8.4	1.4	0.0	28.5	6	
3	0	-42	1	0	0	0	-0	13.7	5.5	0.9	0.0	19.2	6	
4	0	-39	1	0	0	0	-0	12.6	5.0	0.8	0.0	17.6	6	
5	0	-37	1	0	0	0	-0	12.0	4.0	0.7	0.0	16.0	6	
6	0	-31	2	0	0	0	-0	10.1	8.9	1.5	0.0	19.0	6	
7	0	-25	1	0	0	0	-0	8.0	5.9	0.9	0.0	13.9	6	
8	0	-20	1	0	0	0	-0	6.6	5.3	0.9	0.0	12.0	6	
9	0	-18	1	0	0	0	-0	5.8	4.1	0.8	0.0	9.9	6	
10	0	-66	2	0	0	0	-0	21.4	9.1	1.5	0.0	30.5	6	
11	0	-44	1	0	0	0	-0	14.3	5.9	0.9	0.0	20.2	6	
12	0	-41	1	0	0	0	-0	13.3	5.3	0.9	0.0	18.6	6	
13	0	-39	1	0	0	0	-0	12.8	4.5	0.8	0.0	17.3	6	
14	0	-33	2	0	0	0	-0	10.7	8.9	1.5	0.0	19.6	6	
15	0	-26	1	0	0	0	-0	8.4	5.9	0.9	0.0	14.2	6	
16	0	-21	1	0	0	0	-0	6.9	5.2	0.9	0.0	12.2	6	
17	0	-20	1	0	0	0	-0	6.4	4.2	0.8	0.0	10.6	6	
1A	18	-13	1	0	0	-0	0	4.2	4.3	0.6	0.0	8.5	6	
1E	18	-9	1	0	0	-0	0	3.0	4.3	0.6	0.0	7.3	6	
1I	18	-17	1	0	0	-0	0	5.6	4.3	0.6	0.0	9.9	6	
1M	18	-5	1	0	0	-0	0	1.7	4.3	0.6	0.0	6.0	6	
2	18	-62	1	0	0	-0	0	20.2	5.5	0.8	0.0	25.7	6	
3	18	-42	1	0	0	-0	0	13.7	3.4	0.5	0.0	17.1	6	
4	18	-39	0	0	0	-0	0	12.6	3.3	0.5	0.0	16.0	6	
5	18	-37	0	0	0	-0	0	12.0	3.2	0.4	0.0	15.2	6	
6	18	-31	1	0	0	-0	0	10.1	6.3	0.9	0.0	16.4	6	
7	18	-25	1	0	0	-0	0	8.0	3.8	0.6	0.0	11.8	6	
8	18	-20	1	0	0	-0	0	6.6	3.8	0.5	0.0	10.4	6	
9	18	-18	0	0	0	-0	0	5.8	3.7	0.4	0.0	9.5	6	
10	18	-66	1	0	0	-0	0	21.4	5.7	0.9	0.0	27.1	6	
11	18	-44	1	0	0	-0	0	14.3	3.5	0.6	0.0	17.8	6	
12	18	-41	1	0	0	-0	0	13.3	3.5	0.5	0.0	16.7	6	
13	18	-39	0	0	0	-0	0	12.8	3.3	0.4	0.0	16.1	6	
14	18	-33	1	0	0	-0	0	10.7	6.6	0.9	0.0	17.3	6	
15	18	-26	1	0	0	-0	0	8.4	3.8	0.6	0.0	12.2	6	
16	18	-21	1	0	0	-0	0	6.9	3.8	0.5	0.0	10.7	6	
17	18	-20	0	0	0	-0	0	6.4	3.7	0.4	0.0	10.0	6	
1A	36	-13	0	0	0	-0	0	4.2	9.0	0.2	0.0	13.2	6	
1E	36	-9	0	0	0	-0	0	3.0	9.0	0.2	0.0	12.0	6	
1I	36	-17	0	0	0	-0	0	5.6	8.9	0.2	0.0	14.5	6	
1M	36	-5	0	0	0	-0	0	1.7	8.9	0.2	0.0	10.6	6	
2	36	-62	0	0	0	-0	0	20.2	12.4	0.2	0.0	32.6	6	
3	36	-42	0	0	0	-0	0	13.7	7.9	0.2	0.0	21.6	6	
4	36	-39	0	0	0	-0	0	12.6	7.2	0.1	0.0	19.9	6	
5	36	-37	0	0	0	-0	0	12.0	6.0	0.1	0.0	18.1	6	
6	36	-31	0	0	0	-0	0	10.1	14.5	0.4	0.0	24.7	6	
7	36	-25	0	0	0	-0	0	8.0	9.2	0.2	0.0	17.2	6	
8	36	-20	0	0	0	-0	0	6.6	8.7	0.2	0.0	15.3	6	
9	36	-18	0	0	0	-0	0	5.8	7.1	0.1	0.0	13.0	6	
10	36	-66	0	0	0	-0	0	21.4	13.6	0.3	0.0	35.0	6	
11	36	-44	0	0	0	-0	0	14.3	8.5	0.2	0.0	22.8	6	
12	36	-41	0	0	0	-0	0	13.3	7.9	0.2	0.0	21.2	6	
13	36	-39	0	0	0	-0	0	12.8	6.8	0.1	0.0	19.6	6	
14	36	-33	0	0	0	-0	0	10.7	14.6	0.3	0.0	25.3	6	
15	36	-26	0	0	0	-0	0	8.4	9.1	0.2	0.0	17.5	6	
16	36	-21	0	0	0	-0	0	6.9	8.5	0.2	0.0	15.4	6	
17	36	-20	0	0	0	-0	0	6.4	7.2	0.1	0.0	13.5	6	

ASTA NUM. 90 NI 69 NF 84 Lungh. 106.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.0415	-0.0104	--	--	0.1944	0.1425 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1	0	-0	0	-0	0	0.2	2.7	0.1	0.0	2.9	1	
1E	0	11	0	-0	0	-0	0	3.4	2.7	0.1	0.0	6.1	1	
1I	0	-11	0	-0	0	-0	0	3.5	2.7	0.1	0.0	6.2	1	
1M	0	22	0	-0	0	-0	0	7.1	2.7	0.1	0.0	9.8	1	
2	0	143	0	-4	0	-0	0	46.4	4.7	3.6	0.0	51.1	1	
3	0	98	0	-2	0	-0	0	31.7	2.9	2.3	0.0	34.6	1	
4	0	90	0	-2	0	-0	0	29.2	2.8	2.3	0.0	32.0	1	
5	0	86	0	-2	0	-0	0	27.9	2.6	2.3	0.0	30.5	1	
6	0	50	0	-1	0	-0	0	16.3	4.6	1.0	0.0	21.0	1	
7	0	44	0	-1	0	-0	0	14.2	2.9	0.6	0.0	17.1	1	
8	0	34	0	-1	0	-0	0	11.0	2.7	0.6	0.0	13.7	1	
9	0	28	0	-1	0	-0	0	9.2	2.6	0.6	0.0	11.8	1	
10	0	151	0	-4	0	-0	0	49.2	5.1	3.6	0.0	54.2	1	
11	0	102	0	-2	0	-0	0	33.1	3.1	2.3	0.0	36.2	1	
12	0	94	0	-2	0	-0	0	30.6	3.0	2.3	0.0	33.6	1	
13	0	91	0	-2	0	-0	0	29.6	2.9	2.3	0.0	32.4	1	
14	0	53	0	-1	0	-0	0	17.1	4.7	1.0	0.0	21.9	1	
15	0	47	0	-1	0	-0	0	15.1	2.9	0.6	0.0	18.0	1	
16	0	36	0	-1	0	-0	0	11.7	2.8	0.6	0.0	14.5	1	
17	0	32	0	-1	0	-0	0	10.5	2.6	0.6	0.0	13.1	1	
1A	53	2	0	0	0	-0	0	0.6	2.6	0.0	0.0	3.2	6	
1E	53	12	0	0	0	-0	0	3.8	2.6	0.0	0.0	6.4	6	
1I	53	-9	0	0	0	-0	0	3.1	2.5	0.0	0.0	5.6	6	
1M	53	23	0	0	0	-0	0	7.5	2.5	0.0	0.0	10.1	6	
2	53	144	0	0	0	1	0	46.9	61.9	0.1	0.0	108.8	1	
3	53	99	0	0	0	1	0	32.0	38.4	0.0	0.0	70.5	1	
4	53	91	0	0	0	1	0	29.5	38.8	0.0	0.0	68.3	1	
5	53	87	0	0	0	1	0	28.1	39.0	0.0	0.0	67.1	1	
6	53	52	0	0	0	0	0	16.9	13.6	0.1	0.0	30.5	1	
7	53	45	0	0	0	0	0	14.5	8.2	0.0	0.0	22.7	1	
8	53	35	0	0	0	0	0	11.3	8.6	0.0	0.0	19.9	1	
9	53	29	0	0	0	0	0	9.5	8.8	0.0	0.0	18.3	1	
10	53	153	0	0	0	1	0	49.6	61.2	0.1	0.0	110.8	1	
11	53	103	0	0	0	1	0	33.3	38.1	0.0	0.0	71.4	1	
12	53	95	0	0	0	1	0	30.9	38.4	0.0	0.0	69.3	1	
13	53	92	0	0	0	1	0	29.9	38.6	0.0	0.0	68.5	1	
14	53	55	0	0	0	0	0	17.7	13.7	0.1	0.0	31.4	1	
15	53	48	0	0	0	0	0	15.5	8.1	0.0	0.0	23.6	1	
16	53	37	0	0	0	0	0	12.1	8.5	0.0	0.0	20.6	1	
17	53	33	0	0	0	0	0	10.8	8.7	0.0	0.0	19.5	1	
1A	106	3	-0	0	0	-0	0	1.0	5.3	0.2	0.0	6.3	1	
1E	106	13	-0	0	0	-0	0	4.3	5.3	0.2	0.0	9.5	1	
1I	106	-8	-0	0	0	-0	0	2.7	5.3	0.2	0.0	7.9	1	
1M	106	24	-0	0	0	-0	0	7.9	5.3	0.2	0.0	13.2	1	
2	106	146	-0	4	0	-0	0	47.3	8.7	3.7	0.0	56.1	1	
3	106	99	-0	3	0	-0	0	32.3	5.8	2.3	0.0	38.1	1	
4	106	92	-0	3	0	-0	0	29.8	5.2	2.3	0.0	35.0	1	
5	106	88	-0	3	0	-0	0	28.4	5.1	2.3	0.0	33.5	1	
6	106	54	-0	1	0	-0	0	17.4	9.1	1.1	0.0	26.6	1	
7	106	46	-0	1	0	-0	0	14.9	6.2	0.7	0.0	21.1	1	
8	106	36	-0	1	0	-0	0	11.6	5.6	0.7	0.0	17.2	1	
9	106	30	-0	1	0	-0	0	9.9	5.4	0.7	0.0	15.3	1	
10	106	154	-0	4	0	-0	0	50.1	9.7	3.7	0.0	59.8	1	
11	106	104	-0	3	0	-0	0	33.6	6.3	2.3	0.0	39.9	1	
12	106	96	-0	3	0	-0	0	31.2	5.8	2.3	0.0	37.0	1	
13	106	93	-0	3	0	-0	0	30.1	5.7	2.3	0.0	35.8	1	
14	106	56	-0	1	0	-0	0	18.3	9.6	1.1	0.0	27.9	1	
15	106	49	-0	1	0	-0	0	15.8	6.4	0.7	0.0	22.2	1	
16	106	38	-0	1	0	-0	0	12.4	5.8	0.7	0.0	18.2	1	
17	106	34	-0	1	0	-0	0	11.2	5.6	0.7	0.0	16.8	1	

ASTA NUM. 91 NI 80 NF 69 Lungh. 71.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	10	1	0	0	-0	0	3.3	1.6	0.8	0.0	4.9	6	
1E	0	18	1	0	0	-0	0	5.9	1.6	0.8	0.0	7.5	6	
1I	0	2	1	0	0	-0	0	0.5	1.6	0.8	0.0	2.1	6	
1M	0	27	1	0	0	-0	0	8.7	1.6	0.8	0.0	10.3	6	
2	0	-79	1	0	0	0	0	25.7	2.3	1.1	0.0	28.0	6	
3	0	-52	1	0	0	0	0	16.8	1.8	0.7	0.0	18.6	6	
4	0	-50	1	0	0	0	0	16.2	1.6	0.7	0.0	17.8	6	
5	0	-49	1	0	0	0	0	15.9	1.7	0.7	0.0	17.5	6	

6	0	-6	1	0	0	-0	0	1.9	2.6	1.1	0.0	4.6	6
7	0	-7	1	0	0	-0	0	2.2	1.9	0.6	0.0	4.2	6
8	0	-5	1	0	0	0	0	1.5	1.6	0.7	0.0	3.1	6
9	0	-3	1	0	0	-0	0	1.1	1.8	0.6	0.0	2.9	6
10	0	-80	1	0	0	0	0	26.1	2.6	1.1	0.0	28.7	6
11	0	-52	1	0	0	0	0	16.9	2.0	0.6	0.0	18.9	6
12	0	-51	1	0	0	0	0	16.4	1.8	0.7	0.0	18.2	6
13	0	-50	1	0	0	0	0	16.1	1.9	0.6	0.0	18.0	6
14	0	-5	1	0	0	-0	0	1.7	2.9	1.1	0.0	4.6	6
15	0	-8	1	0	0	0	0	2.4	2.1	0.6	0.0	4.5	6
16	0	-5	1	0	0	0	0	1.7	1.8	0.7	0.0	3.5	6
17	0	-4	1	0	0	-0	0	1.4	2.0	0.6	0.0	3.3	6
1A	36	10	-0	0	0	-0	0	3.3	10.7	0.0	0.0	14.0	6
1E	36	18	-0	0	0	-0	0	5.9	10.7	0.0	0.0	16.6	6
1I	36	2	-0	0	0	-0	0	0.5	10.7	0.0	0.0	11.2	6
1M	36	27	-0	0	0	-0	0	8.7	10.7	0.0	0.0	19.4	6
2	36	-79	-0	0	0	-0	0	25.7	15.0	0.1	0.0	40.7	6
3	36	-52	-0	0	0	-0	0	16.7	9.4	0.0	0.0	26.1	6
4	36	-50	-0	0	0	-0	0	16.2	9.4	0.0	0.0	25.6	6
5	36	-49	-0	0	0	-0	0	15.9	9.3	0.0	0.0	25.2	6
6	36	-6	-0	0	0	-0	0	1.9	15.2	0.1	0.0	17.1	6
7	36	-7	-0	0	0	-0	0	2.2	9.5	0.1	0.0	11.7	6
8	36	-5	-0	0	0	-0	0	1.5	9.5	0.0	0.0	11.0	6
9	36	-3	-0	0	0	-0	0	1.1	9.4	0.1	0.0	10.5	6
10	36	-80	-0	0	0	-0	0	26.1	15.1	0.1	0.0	41.2	6
11	36	-52	-0	0	0	-0	0	16.9	9.4	0.1	0.0	26.3	6
12	36	-51	-0	0	0	-0	0	16.4	9.4	0.0	0.0	25.8	6
13	36	-50	-0	0	0	-0	0	16.1	9.4	0.1	0.0	25.5	6
14	36	-5	-0	0	0	-0	0	1.7	16.2	0.1	0.0	17.9	6
15	36	-7	-0	0	0	-0	0	2.4	9.4	0.1	0.0	11.9	6
16	36	-5	-0	0	0	-0	0	1.7	9.5	0.1	0.0	11.1	6
17	36	-4	-0	0	0	-0	0	1.4	9.4	0.1	0.0	10.8	6
1A	71	10	-1	0	0	-0	-0	3.3	0.6	0.8	0.0	3.9	1
1E	71	18	-1	0	0	-0	-0	5.9	0.6	0.8	0.0	6.5	1
1I	71	2	-1	0	0	-0	-0	0.5	0.6	0.8	0.0	1.6	5
1M	71	27	-1	0	0	-0	-0	8.7	0.6	0.8	0.0	9.2	1
2	71	-79	-1	0	0	-0	0	25.7	1.6	1.2	0.0	27.2	1
3	71	-52	-1	0	0	-0	-0	16.7	1.6	0.8	0.0	18.4	1
4	71	-50	-1	0	0	-0	0	16.2	1.5	0.7	0.0	17.7	1
5	71	-49	-1	0	0	-0	-0	15.9	1.7	0.7	0.0	17.6	1
6	71	-6	-1	0	0	-0	0	1.9	1.0	1.2	0.0	3.1	5
7	71	-7	-1	0	0	-0	-0	2.2	1.5	0.8	0.0	3.8	1
8	71	-5	-1	0	0	-0	0	1.5	1.3	0.7	0.0	2.8	1
9	71	-3	-1	0	0	-0	-0	1.1	1.5	0.8	0.0	2.6	1
10	71	-80	-1	0	0	-0	-0	26.1	1.8	1.2	0.0	27.9	1
11	71	-52	-1	0	0	-0	-0	16.9	1.6	0.8	0.0	18.6	1
12	71	-51	-1	0	0	-0	-0	16.4	1.8	0.7	0.0	18.2	1
13	71	-50	-1	0	0	-0	-0	16.1	1.7	0.8	0.0	17.9	1
14	71	-5	-1	0	0	-0	-0	1.7	1.3	1.3	0.0	3.1	4
15	71	-7	-1	0	0	-0	-0	2.4	1.6	0.8	0.0	4.0	1
16	71	-5	-1	0	0	-0	-0	1.7	1.6	0.8	0.0	3.3	1
17	71	-4	-1	0	0	-0	-0	1.4	1.6	0.8	0.0	2.9	1

ASTA NUM. 92 NI 64 NF 80 Lungh. 119.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.0075	1.0019	--	--	0.9457	5.9552 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-47	1	0	0	-0	-0	15.1	1.5	0.5	0.0	16.6	6	
1E	0	-33	1	0	0	-0	-0	10.8	1.5	0.5	0.0	12.3	6	
1I	0	-60	1	0	0	-0	-0	19.5	1.5	0.5	0.0	20.9	6	
1M	0	-20	1	0	0	-0	-0	6.5	1.5	0.5	0.0	7.9	6	
2	0	102	4	-1	0	-0	-0	33.1	3.1	4.1	0.0	36.3	6	
3	0	66	3	-0	0	0	-0	21.3	1.9	2.6	0.0	23.3	6	
4	0	65	3	-0	0	0	-0	20.9	1.9	2.6	0.0	22.9	6	
5	0	63	3	-0	0	0	-0	20.6	1.8	2.5	0.0	22.4	6	
6	0	-16	2	-0	0	-0	-0	5.3	2.7	1.6	0.0	8.0	6	
7	0	-7	1	-0	0	0	-0	2.4	1.6	1.0	0.0	4.0	6	
8	0	-9	1	-0	0	0	-0	3.0	1.6	1.0	0.0	4.6	6	
9	0	-10	1	-0	0	-0	-0	3.4	1.5	1.0	0.0	4.9	6	
10	0	102	4	-1	0	-0	-0	33.2	3.3	4.1	0.0	36.6	6	
11	0	66	3	-0	0	0	-0	21.3	2.0	2.6	0.0	23.4	6	
12	0	65	3	-0	0	0	-0	21.0	2.0	2.6	0.0	23.0	6	
13	0	64	3	-0	0	0	-0	20.7	1.9	2.6	0.0	22.6	6	
14	0	-20	2	-0	0	-0	-0	6.4	2.7	1.6	0.0	9.1	6	
15	0	-7	1	-0	0	0	-0	2.3	1.6	1.0	0.0	3.9	6	
16	0	-9	1	-0	0	0	-0	2.9	1.6	1.0	0.0	4.5	6	
17	0	-10	1	-0	0	-0	-0	3.2	1.4	1.0	0.0	4.6	6	
1A	60	-45	0	0	0	-0	0	14.7	10.0	0.0	0.0	24.7	6	
1E	60	-32	0	0	0	-0	0	10.4	10.0	0.0	0.0	20.4	6	
1I	60	-59	0	0	0	-0	0	19.0	10.0	0.0	0.0	29.1	6	
1M	60	-19	0	0	0	-0	0	6.0	10.0	0.0	0.0	16.1	6	
2	60	102	0	0	0	0	1	33.2	87.2	0.0	0.0	120.4	6	
3	60	66	0	0	0	0	1	21.4	54.5	0.0	0.0	75.9	6	
4	60	65	0	0	0	0	1	21.0	54.6	0.0	0.0	75.6	6	
5	60	64	0	0	0	0	1	20.7	54.6	0.0	0.0	75.2	6	
6	60	-15	0	0	0	0	0	4.9	31.7	0.0	0.0	36.5	6	
7	60	-6	0	0	0	0	0	2.1	19.9	0.0	0.0	22.0	6	
8	60	-8	0	0	0	0	0	2.7	19.9	0.0	0.0	22.5	6	
9	60	-10	0	0	0	0	0	3.1	19.9	0.0	0.0	23.0	6	
10	60	103	0	0	0	0	1	33.3	87.0	0.0	0.0	120.4	6	
11	60	66	0	0	0	0	1	21.4	54.5	0.0	0.0	75.9	6	
12	60	65	0	0	0	0	1	21.0	54.5	0.0	0.0	75.5	6	
13	60	64	0	0	0	0	1	20.8	54.5	0.0	0.0	75.3	6	
14	60	-18	0	0	0	0	0	5.9	32.7	0.0	0.0	38.6	6	
15	60	-6	0	0	0	0	0	2.0	19.9	0.0	0.0	21.9	6	
16	60	-8	0	0	0	0	0	2.6	19.9	0.0	0.0	22.5	6	
17	60	-9	0	0	0	0	0	2.9	19.9	0.0	0.0	22.7	6	
1A	120	-44	-1	0	0	-0	-0	14.3	1.0	0.5	0.0	15.3	6	
1E	120	-31	-1	0	0	-0	-0	9.9	1.0	0.5	0.0	10.9	6	
1I	120	-57	-1	0	0	-0	-0	18.6	1.0	0.5	0.0	19.6	1	
1M	120	-17	-1	0	0	-0	-0	5.6	1.0	0.5	0.0	6.6	1	
2	120	103	-4	1	0	-0	-0	33.3	2.3	4.1	0.0	35.6	6	
3	120	66	-3	0	0	-0	-0	21.5	1.4	2.5	0.0	22.8	6	
4	120	65	-3	0	0	-0	-0	21.1	1.4	2.5	0.0	22.5	6	
5	120	64	-3	0	0	-0	-0	20.7	1.4	2.5	0.0	22.2	1	
6	120	-13	-2	0	0	-0	-0	4.4	1.8	1.6	0.0	6.2	1	
7	120	-6	-1	0	0	-0	-0	1.8	1.1	1.0	0.0	2.9	1	
8	120	-7	-1	0	0	-0	-0	2.4	1.2	1.0	0.0	3.5	1	
9	120	-9	-1	0	0	-0	-0	2.8	1.3	1.0	0.0	4.1	1	
10	120	103	-4	1	0	-0	-0	33.4	2.4	4.0	0.0	35.8	6	
11	120	66	-3	0	0	-0	-0	21.5	1.5	2.5	0.0	22.9	6	
12	120	65	-3	0	0	-0	-0	21.1	1.5	2.5	0.0	22.6	6	
13	120	64	-3	0	0	-0	-0	20.9	1.5	2.5	0.0	22.4	6	
14	120	-17	-2	0	0	-0	-0	5.4	1.8	1.6	0.0	7.2	6	
15	120	-5	-1	0	0	-0	-0	1.7	1.1	1.0	0.0	2.8	1	
16	120	-7	-1	0	0	-0	-0	2.3	1.1	1.0	0.0	3.4	1	
17	120	-8	-1	0	0	-0	-0	2.6	1.2	1.0	0.0	3.8	1	

ASTA NUM. 93 NI 76 NF 64 Lungh. 108.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	22	1	0	0	0	0	6.3	0.5	1.2	0.0	6.8	5	
1E	0	36	1	0	0	0	0	10.3	0.5	1.2	0.0	10.8	1	
1I	0	8	1	0	0	0	0	2.4	0.5	1.2	0.0	3.3	5	
1M	0	49	1	0	0	0	0	14.1	0.5	1.2	0.0	14.6	1	
2	0	-110	2	0	0	0	0	31.6	1.3	1.7	0.0	32.9	6	
3	0	-70	1	0	0	0	0	20.1	0.9	1.1	0.0	21.0	1	
4	0	-69	1	0	0	0	0	19.8	0.9	1.1	0.0	20.8	1	
5	0	-69	1	0	0	0	0	19.6	0.9	1.1	0.0	20.6	6	
6	0	2	2	0	0	0	0	0.6	1.2	1.7	0.0	3.1	5	
7	0	-0	1	0	0	0	0	0.1	0.9	1.1	0.0	1.9	5	
8	0	1	1	0	0	0	0	0.2	0.9	1.1	0.0	1.9	5	
9	0	2	1	0	0	0	0	0.5	0.9	1.1	0.0	2.0	5	
10	0	-111	2	0	0	0	0	31.9	1.4	1.7	0.0	33.3	6	
11	0	-70	1	0	0	0	0	20.2	1.0	1.1	0.0	21.2	6	
12	0	-70	1	0	0	0	0	20.0	1.0	1.1	0.0	21.0	6	
13	0	-69	1	0	0	0	0	19.8	1.0	1.1	0.0	20.8	6	
14	0	5	2	0	0	0	0	1.3	1.2	1.8	0.0	3.6	5	
15	0	-1	1	0	0	0	0	0.2	1.0	1.1	0.0	1.9	5	
16	0	0	1	0	0	0	0	0.1	0.9	1.1	0.0	1.9	5	
17	0	1	1	0	0	0	0	0.3	0.9	1.1	0.0	1.9	5	
1A	54	22	-0	0	0	0	0	6.3	21.1	0.0	0.0	27.3	6	
1E	54	36	-0	0	0	0	0	10.3	21.1	0.0	0.0	31.3	6	
1I	54	8	-0	0	0	0	0	2.4	21.0	0.0	0.0	23.5	6	
1M	54	49	-0	0	0	0	0	14.1	21.0	0.0	0.0	35.2	6	
2	54	-110	-0	0	0	-0	1	31.6	29.4	0.0	0.0	61.0	6	
3	54	-70	-0	0	0	-0	0	20.1	18.3	0.0	0.0	38.4	6	
4	54	-69	-0	0	0	-0	0	19.8	18.3	0.0	0.0	38.2	6	
5	54	-69	-0	0	0	-0	0	19.6	18.3	0.0	0.0	38.0	6	
6	54	2	-0	0	0	0	1	0.6	29.5	0.0	0.0	30.2	6	
7	54	-0	-0	0	0	0	0	0.1	18.4	0.0	0.0	18.5	6	
8	54	1	-0	0	0	-0	0	0.2	18.4	0.0	0.0	18.6	6	
9	54	2	-0	0	0	-0	0	0.5	18.3	0.0	0.0	18.8	6	
10	54	-111	-0	0	0	-0	1	31.8	29.5	0.0	0.0	61.3	6	
11	54	-70	-0	0	0	-0	0	20.2	18.4	0.0	0.0	38.6	6	
12	54	-70	-0	0	0	-0	0	20.0	18.4	0.0	0.0	38.3	6	

13	54	-69	-0	0	0	-0	0	19.8	18.4	0.0	0.0	38.2	6
14	54	5	-0	0	0	0	1	1.3	31.6	0.0	0.0	32.9	6
15	54	-1	-0	0	0	0	0	0.2	18.4	0.0	0.0	18.6	6
16	54	0	-0	0	0	-0	0	0.1	18.4	0.0	0.0	18.5	6
17	54	1	-0	0	0	-0	0	0.3	18.3	0.0	0.0	18.7	6
1A	109	22	-2	0	0	-0	0	6.3	0.2	1.2	0.0	6.7	5
1E	109	36	-2	0	0	-0	0	10.3	0.2	1.2	0.0	10.6	5
1I	109	8	-2	0	0	-0	-0	2.4	0.2	1.2	0.0	3.3	5
1M	109	49	-2	0	0	-0	-0	14.1	0.2	1.2	0.0	14.4	5
2	109	-110	-2	0	0	-0	0	31.6	0.9	1.8	0.0	32.5	1
3	109	-70	-1	0	0	-0	0	20.1	0.8	1.1	0.0	20.9	1
4	109	-69	-1	0	0	-0	0	19.8	1.0	1.1	0.0	20.8	1
5	109	-68	-1	0	0	-0	0	19.6	0.9	1.1	0.0	20.5	1
6	109	2	-2	0	0	-0	0	0.6	0.3	1.7	0.0	3.1	5
7	109	-0	-1	0	0	-0	0	0.1	0.6	1.1	0.0	1.9	5
8	109	1	-1	0	0	-0	0	0.2	0.7	1.1	0.0	2.0	5
9	109	2	-1	0	0	-0	0	0.5	0.6	1.1	0.0	2.0	5
10	109	-111	-2	0	0	-0	0	31.8	0.8	1.8	0.0	32.6	1
11	109	-70	-1	0	0	-0	0	20.2	0.8	1.1	0.0	20.9	1
12	109	-70	-1	0	0	-0	0	20.0	0.9	1.1	0.0	20.9	1
13	109	-69	-1	0	0	-0	0	19.8	0.8	1.1	0.0	20.6	1
14	109	5	-2	0	0	-0	0	1.3	0.3	1.9	0.0	3.5	5
15	109	-1	-1	0	0	-0	0	0.2	0.6	1.1	0.0	1.9	5
16	109	0	-1	0	0	-0	0	0.1	0.7	1.1	0.0	1.9	5
17	109	1	-1	0	0	-0	0	0.3	0.6	1.1	0.0	2.0	5

ASTA NUM. 94 NI 56 NF 76 Lungh. 145.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	3.6803	0.9201	--	--	1.5403	6.1407 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-54	1	-0	0	-0	0	15.6	0.2	0.9	0.0	15.8	6	
1E	0	-36	1	-0	0	-0	0	10.4	0.2	0.9	0.0	10.5	6	
1I	0	-72	1	-0	0	-0	0	20.7	0.1	0.9	0.0	20.8	6	
1M	0	-18	1	-0	0	-0	0	5.2	0.1	0.9	0.0	5.5	5	
2	0	132	6	-1	0	-0	-0	37.9	1.5	4.6	0.0	39.4	6	
3	0	84	3	-0	0	0	-0	24.0	1.1	2.9	0.0	25.1	6	
4	0	83	3	-0	0	0	-0	23.7	1.1	2.9	0.0	24.9	6	
5	0	82	3	-0	0	0	-0	23.6	1.1	2.9	0.0	24.6	6	
6	0	-14	3	-0	0	-0	-0	3.9	0.6	2.1	0.0	5.4	5	
7	0	-7	2	-0	0	0	0	2.0	0.3	1.3	0.0	3.1	5	
8	0	-8	2	-0	0	0	0	2.3	0.3	1.3	0.0	3.3	5	
9	0	-9	2	-0	0	0	0	2.5	0.2	1.3	0.0	3.5	5	
10	0	134	6	-1	0	-0	-0	38.3	1.4	4.6	0.0	39.8	6	
11	0	84	3	-0	0	0	-0	24.2	1.0	2.9	0.0	25.2	6	
12	0	84	3	-0	0	0	-0	24.0	1.0	2.9	0.0	25.0	6	
13	0	83	3	-0	0	0	-0	23.8	1.0	2.9	0.0	24.8	6	
14	0	-18	3	-0	0	-0	0	5.1	0.2	2.2	0.0	6.4	5	
15	0	-7	2	-0	0	0	0	1.9	0.3	1.3	0.0	3.0	5	
16	0	-8	2	-0	0	0	0	2.2	0.3	1.3	0.0	3.2	5	
17	0	-8	2	-0	0	0	0	2.4	0.2	1.3	0.0	3.3	5	
1A	73	-53	-0	-0	0	0	0	15.1	20.2	0.0	0.0	35.4	6	
1E	73	-35	-0	-0	0	0	0	9.9	20.2	0.0	0.0	30.1	6	
1I	73	-71	-0	-0	0	0	0	20.3	20.2	0.0	0.0	40.4	6	
1M	73	-17	-0	-0	0	0	0	4.8	20.2	0.0	0.0	24.9	6	
2	73	132	-0	-0	0	0	2	37.8	104.8	0.0	0.0	142.6	6	
3	73	83	-0	0	0	0	1	23.9	65.4	0.0	0.0	89.3	6	
4	73	83	-0	0	0	0	1	23.7	65.5	0.0	0.0	89.2	6	
5	73	82	-0	0	0	0	1	23.5	65.5	0.0	0.0	89.0	6	
6	73	-12	-0	-0	0	0	1	3.4	47.3	0.0	0.0	50.7	6	
7	73	-6	-0	0	0	0	1	1.7	29.5	0.0	0.0	31.2	6	
8	73	-7	-0	0	0	0	1	2.0	29.6	0.0	0.0	31.6	6	
9	73	-8	-0	0	0	0	1	2.2	29.5	0.0	0.0	31.8	6	
10	73	133	-0	-0	0	0	2	38.2	104.8	0.0	0.0	143.0	6	
11	73	84	-0	0	0	0	1	24.1	65.5	0.0	0.0	89.5	6	
12	73	83	-0	0	0	0	1	23.9	65.5	0.0	0.0	89.4	6	
13	73	83	-0	0	0	0	1	23.7	65.5	0.0	0.0	89.2	6	
14	73	-16	-0	-0	0	0	1	4.5	49.3	0.0	0.0	53.9	6	
15	73	-6	-0	0	0	0	1	1.6	29.5	0.0	0.0	31.1	6	
16	73	-7	-0	0	0	0	1	1.9	29.6	0.0	0.0	31.5	6	
17	73	-7	-0	0	0	0	1	2.1	29.5	0.0	0.0	31.6	6	
1A	145	-51	-1	-0	0	0	-0	14.7	1.1	0.9	0.0	15.7	6	
1E	145	-33	-1	-0	0	0	-0	9.4	1.1	0.9	0.0	10.5	6	
1I	145	-69	-1	-0	0	0	-0	19.8	1.1	0.9	0.0	20.9	6	
1M	145	-15	-1	-0	0	0	-0	4.3	1.1	0.9	0.0	5.4	6	
2	145	132	-6	1	0	0	-0	37.7	2.0	4.6	0.0	39.7	6	
3	145	83	-3	0	0	-0	-0	23.8	1.3	2.9	0.0	25.1	6	
4	145	82	-3	0	0	-0	-0	23.6	1.3	2.9	0.0	24.9	6	
5	145	82	-3	0	0	-0	-0	23.4	1.3	2.9	0.0	24.7	6	
6	145	-10	-3	0	0	0	-0	2.9	1.7	2.1	0.0	4.9	4	
7	145	-5	-2	0	0	0	-0	1.4	1.2	1.3	0.0	2.8	4	
8	145	-6	-2	0	0	0	-0	1.7	1.0	1.3	0.0	3.0	4	
9	145	-7	-2	0	0	0	-0	2.0	1.0	1.3	0.0	3.1	4	
10	145	133	-6	1	0	0	-0	38.1	2.1	4.6	0.0	40.1	6	
11	145	84	-3	0	0	-0	-0	24.0	1.4	2.9	0.0	25.4	6	
12	145	83	-3	0	0	-0	-0	23.8	1.3	2.9	0.0	25.1	6	
13	145	83	-3	0	0	-0	-0	23.6	1.3	2.9	0.0	25.0	6	
14	145	-14	-3	0	0	0	-0	4.0	1.8	2.2	0.0	5.9	4	
15	145	-5	-2	0	0	0	-0	1.3	1.2	1.3	0.0	2.7	4	
16	145	-6	-2	0	0	0	-0	1.6	1.1	1.3	0.0	2.9	4	
17	145	-6	-2	0	0	0	-0	1.8	1.1	1.3	0.0	3.0	4	

ASTA NUM. 95 NI 83 NF 71 Lungh. 35.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	28	-0	-0	0	-0	0	9.0	6.1	0.2	0.0	15.1	6	
1E	0	31	-0	-0	0	-0	0	10.2	6.1	0.2	0.0	16.3	6	
1I	0	24	-0	-0	0	-0	0	7.6	6.1	0.2	0.0	13.8	6	
1M	0	36	-0	-0	0	-0	0	11.6	6.1	0.2	0.0	17.7	6	
2	0	85	-0	0	0	0	0	27.4	8.6	0.3	0.0	36.0	6	
3	0	49	-0	-0	0	-0	0	15.9	4.5	0.1	0.0	20.4	6	
4	0	48	-0	-0	0	-0	0	15.6	4.7	0.1	0.0	20.3	6	
5	0	52	-0	-0	0	-0	0	16.7	4.9	0.1	0.0	21.7	6	
6	0	58	-0	-0	0	-0	0	18.7	9.9	0.4	0.0	28.6	6	
7	0	30	-0	-0	0	-0	0	9.9	5.2	0.2	0.0	15.0	6	
8	0	30	-0	-0	0	-0	0	9.8	5.5	0.2	0.0	15.3	6	
9	0	35	-0	-0	0	-0	0	11.4	5.9	0.2	0.0	17.3	6	
10	0	87	-0	0	0	0	0	28.3	9.9	0.4	0.0	38.2	6	
11	0	51	-0	-0	0	-0	0	16.4	5.3	0.2	0.0	21.7	6	
12	0	50	-0	-0	0	-0	0	16.3	5.6	0.2	0.0	21.8	6	
13	0	53	-0	-0	0	-0	0	17.1	5.6	0.2	0.0	22.7	6	
14	0	56	-0	-0	0	-0	0	18.0	9.8	0.4	0.0	27.8	6	
15	0	29	-0	-0	0	-0	0	9.3	5.0	0.2	0.0	14.3	6	
16	0	29	-0	-0	0	-0	0	9.5	5.6	0.2	0.0	15.1	6	
17	0	32	-0	-0	0	-0	0	10.5	5.6	0.2	0.0	16.0	6	
1A	18	28	-1	-0	0	-0	0	9.0	0.8	0.6	0.0	9.8	6	
1E	18	31	-1	-0	0	-0	0	10.2	0.8	0.6	0.0	11.0	6	
1I	18	24	-1	-0	0	-0	0	7.6	0.8	0.6	0.0	8.4	6	
1M	18	36	-1	-0	0	-0	0	11.6	0.8	0.6	0.0	12.4	6	
2	18	85	-1	0	0	0	0	27.4	1.6	0.8	0.0	29.1	6	
3	18	49	-0	-0	0	0	0	15.9	1.2	0.4	0.0	17.1	6	
4	18	48	-0	-0	0	0	0	15.6	1.2	0.5	0.0	16.8	6	
5	18	52	-1	-0	0	0	0	16.7	1.2	0.5	0.0	18.0	6	
6	18	58	-1	-0	0	-0	0	18.7	0.8	1.0	0.0	19.5	6	
7	18	30	-1	-0	0	0	0	9.9	0.7	0.5	0.0	10.6	6	
8	18	30	-1	-0	0	0	0	9.8	0.7	0.5	0.0	10.5	6	
9	18	35	-1	-0	0	0	0	11.4	0.1	0.6	0.0	11.4	1	
10	18	87	-1	0	0	0	0	28.3	1.3	1.0	0.0	29.6	6	
11	18	51	-1	-0	0	0	0	16.4	1.0	0.5	0.0	17.4	6	
12	18	50	-1	-0	0	0	0	16.3	1.0	0.5	0.0	17.3	6	
13	18	53	-1	-0	0	0	0	17.1	1.0	0.5	0.0	18.1	6	
14	18	56	-1	-0	0	-0	0	18.0	1.0	1.0	0.0	19.1	6	
15	18	29	-1	-0	0	0	0	9.3	0.8	0.5	0.0	10.0	6	
16	18	29	-1	-0	0	0	0	9.5	0.2	0.6	0.0	9.6	1	
17	18	32	-1	-0	0	0	0	10.5	0.7	0.6	0.0	11.2	6	
1A	36	28	-1	-0	0	-0	-0	9.0	9.5	1.0	0.0	18.6	6	
1E	36	31	-1	-0	0	-0	-0	10.2	9.5	1.0	0.0	19.8	6	
1I	36	24	-1	-0	0	0	-0	7.6	9.6	1.0	0.0	17.2	6	
1M	36	36	-1	-0	0	0	-0	11.6	9.6	1.0	0.0	21.2	6	
2	36	85	-2	0	0	-0	-0	27.4	12.3	1.4	0.0	39.7	6	
3	36	49	-1	-0	0	0	-0	15.9	6.6	0.8	0.0	22.5	6	
4	36	48	-1	-0	0	0	-0	15.6	6.8	0.8	0.0	22.4	6	
5	36	52	-1	-0	0	0	-0	16.7	7.1	0.8	0.0	23.8	6	
6	36	58	-2	-0	0	0	-0	18.7	15.3	1.6	0.0	33.9	6	
7	36	30	-1	-0	0	0	-0	9.9	8.1	0.9	0.0	18.0	6	
8	36	30	-1	-0	0	0	-0	9.8	8.7	0.9	0.0	18.5	6	
9	36	35	-1	-0	0	0	-0	11.4	9.1	0.9	0.0	20.4	6	
10	36	87	-2	0	0	-0	-0	28.3	14.2	1.5	0.0	42.5	6	
11	36	51	-1	-0	0	0	-0	16.4	7.8	0.9	0.0	24.2	6	
12	36	50	-1	-0	0	0	-0	16.3	8.1	0.9	0.0	24.4	6	
13	36	53	-1	-0	0	0	-0	17.1	8.1	0.9	0.0	25.2	6	
14	36	56	-2	-0	0	0	-0	18.0	15.2	1.6	0.0	33.2	6	
15	36	29	-1	-0	0	0	-0	9.3	8.0	0.9	0.0	17.3	6	
16	36	29	-1	-0	0	0	-0	9.5	8.8	0.9	0.0	18.3	6	
17	36	32	-1	-0	0	0	-0	10.5	8.7	0.9	0.0	19.1	6	

ASTA NUM. 96 NI 67 NF 83 Lungh. 106.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.0415	0.0104	--	--	0.1944	0.2463 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-90	0	0	0	-0	0	29.2	2.8	0.2	0.0	31.9	1	
1E	0	-80	0	0	0	-0	0	25.9	2.8	0.2	0.0	28.7	1	
1I	0	-101	0	0	0	-0	0	32.9	2.7	0.2	0.0	35.6	1	
1M	0	-69	0	0	0	-0	0	22.2	2.7	0.2	0.0	25.0	1	
2	0	-246	0	-4	0	-0	0	80.0	4.6	3.3	0.0	84.6	1	
3	0	-145	0	-2	0	-0	0	47.1	2.6	2.0	0.0	49.7	1	
4	0	-143	0	-2	0	-0	0	46.4	2.5	2.0	0.0	48.9	1	
5	0	-151	0	-2	0	-0	0	49.1	2.6	2.0	0.0	51.7	1	
6	0	-163	0	-1	0	-0	0	52.8	4.7	0.6	0.0	57.5	1	
7	0	-89	0	-0	0	-0	0	28.9	2.5	0.4	0.0	31.4	1	
8	0	-88	0	-0	0	-0	0	28.7	2.5	0.4	0.0	31.2	1	
9	0	-100	0	-0	0	-0	0	32.3	2.7	0.4	0.0	35.0	1	
10	0	-252	0	-4	0	-0	0	81.8	5.0	3.3	0.0	86.8	1	
11	0	-149	0	-2	0	-0	0	48.2	2.8	2.0	0.0	51.1	1	
12	0	-148	0	-2	0	-0	0	47.9	2.8	2.0	0.0	50.7	1	
13	0	-153	0	-2	0	-0	0	49.8	2.9	2.0	0.0	52.7	1	
14	0	-160	0	-1	0	-0	0	51.9	4.6	0.6	0.0	56.5	1	
15	0	-85	0	-0	0	-0	0	27.5	2.4	0.4	0.0	29.9	1	
16	0	-86	0	-0	0	-0	0	27.9	2.5	0.4	0.0	30.4	1	
17	0	-93	0	-0	0	-0	0	30.2	2.6	0.4	0.0	32.8	1	
1A	53	-89	-0	0	0	-0	0	28.8	7.1	0.0	0.0	35.8	1	
1E	53	-79	-0	0	0	-0	0	25.5	7.1	0.0	0.0	32.6	1	
1I	53	-100	-0	0	0	-0	0	32.5	7.1	0.0	0.0	39.5	1	
1M	53	-67	-0	0	0	-0	0	21.8	7.1	0.0	0.0	28.9	1	
2	53	-244	-0	0	0	1	0	79.3	55.4	0.1	0.0	134.7	1	
3	53	-144	-0	0	0	1	0	46.7	35.1	0.0	0.0	81.8	1	
4	53	-142	-0	0	0	1	0	46.0	35.3	0.0	0.0	81.2	1	
5	53	-150	-0	0	0	1	0	48.6	34.9	0.0	0.0	83.6	1	
6	53	-161	-0	0	0	0	0	52.1	6.4	0.1	0.0	58.6	1	
7	53	-88	-0	0	0	0	0	28.5	4.7	0.0	0.0	33.2	1	
8	53	-87	-0	0	0	0	0	28.3	4.8	0.0	0.0	33.0	1	
9	53	-98	-0	0	0	0	0	31.9	4.3	0.0	0.0	36.2	1	
10	53	-250	-0	0	0	1	0	81.1	54.9	0.1	0.0	136.0	1	
11	53	-147	-0	0	0	1	0	47.8	34.8	0.0	0.0	82.6	1	
12	53	-146	-0	0	0	1	0	47.4	34.9	0.0	0.0	82.3	1	
13	53	-152	-0	0	0	1	0	49.4	34.7	0.0	0.0	84.0	1	
14	53	-158	-0	0	0	0	0	51.2	6.5	0.1	0.0	57.7	1	
15	53	-83	-0	0	0	0	0	27.1	4.9	0.0	0.0	32.0	1	
16	53	-85	0	0	0	0	0	27.5	4.9	0.0	0.0	32.4	1	
17	53	-92	-0	0	0	0	0	29.8	4.6	0.0	0.0	34.4	1	
1A	106	-87	-0	-0	0	-0	0	28.4	5.7	0.1	0.0	34.0	1	
1E	106	-77	-0	-0	0	-0	0	25.1	5.7	0.1	0.0	30.8	1	
1I	106	-99	-0	-0	0	-0	0	32.1	5.7	0.1	0.0	37.7	1	
1M	106	-66	-0	-0	0	-0	0	21.4	5.7	0.1	0.0	27.1	1	
2	106	-242	-0	4	0	-0	-0	78.5	8.9	3.4	0.0	87.5	1	
3	106	-142	-0	2	0	-0	-0	46.2	4.8	2.1	0.0	51.1	1	
4	106	-140	-0	2	0	-0	-0	45.5	4.6	2.1	0.0	50.1	1	
5	106	-148	-0	2	0	-0	-0	48.2	5.2	2.1	0.0	53.3	1	
6	106	-159	-0	1	0	-0	-0	51.5	9.7	0.8	0.0	61.2	1	
7	106	-87	-0	1	0	-0	-0	28.1	5.0	0.5	0.0	33.1	1	
8	106	-86	-0	1	0	-0	-0	27.9	5.0	0.5	0.0	32.9	1	
9	106	-97	-0	1	0	-0	-0	31.5	5.7	0.5	0.0	37.3	1	
10	106	-248	-0	4	0	-0	-0	80.4	9.6	3.4	0.0	90.0	1	
11	106	-146	-0	2	0	-0	-0	47.3	5.2	2.1	0.0	52.6	1	
12	106	-145	-0	2	0	-0	-0	47.0	5.1	2.1	0.0	52.0	1	
13	106	-151	-0	2	0	-0	-0	48.9	5.5	2.1	0.0	54.4	1	
14	106	-156	-0	1	0	-0	-0	50.6	9.3	0.7	0.0	59.8	1	
15	106	-82	-0	0	0	-0	-0	26.7	4.7	0.5	0.0	31.4	1	
16	106	-84	-0	0	0	-0	-0	27.1	4.8	0.5	0.0	31.9	1	
17	106	-91	-0	1	0	-0	-0	29.4	5.2	0.5	0.0	34.7	1	

ASTA NUM. 97 NI 79 NF 67 Lungh. 71.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	23	1	-0	0	-0	-0	7.5	2.1	0.8	0.0	9.5	6	
1E	0	31	1	-0	0	-0	-0	10.1	2.1	0.8	0.0	12.1	6	
1I	0	14	1	-0	0	-0	-0	4.7	2.1	0.8	0.0	6.8	6	
1M	0	40	1	-0	0	-0	-0	12.8	2.1	0.8	0.0	14.9	6	
2	0	135	1	0	0	-0	-0	43.8	2.8	1.2	0.0	46.6	6	
3	0	83	1	0	0	-0	-0	26.8	1.5	0.7	0.0	28.3	6	
4	0	82	1	-0	0	-0	-0	26.7	1.4	0.7	0.0	28.0	6	
5	0	84	1	-0	0	-0	-0	27.3	1.7	0.7	0.0	29.0	6	
6	0	64	1	-0	0	-0	-0	20.7	3.4	1.2	0.0	24.1	6	
7	0	37	1	-0	0	-0	-0	12.1	1.8	0.7	0.0	13.9	6	
8	0	37	1	-0	0	-0	-0	12.1	1.7	0.7	0.0	13.8	6	
9	0	40	1	-0	0	-0	-0	12.9	2.2	0.7	0.0	15.0	6	
10	0	136	1	0	0	-0	-0	44.1	2.8	1.2	0.0	46.9	6	
11	0	83	1	0	0	-0	-0	27.0	1.5	0.7	0.0	28.5	6	
12	0	83	1	-0	0	-0	-0	26.9	1.4	0.7	0.0	28.3	6	
13	0	84	1	-0	0	-0	-0	27.4	1.7	0.7	0.0	29.1	6	
14	0	64	1	-0	0	-0	-0	20.9	3.1	1.3	0.0	24.1	6	
15	0	36	1	-0	0	-0	-0	11.8	1.6	0.7	0.0	13.5	6	
16	0	37	1	-0	0	-0	-0	11.9	1.6	0.7	0.0	13.5	6	
17	0	38	1	-0	0	-0	-0	12.5	1.9	0.7	0.0	14.4	6	
1A	36	23	0	-0	0	-0	0	7.5	9.2	0.0	0.0	16.7	6	
1E	36	31	0	-0	0	-0	0	10.1	9.2	0.0	0.0	19.3	6	
1I	36	14	0	-0	0	-0	0	4.7	9.2	0.0	0.0	13.9	6	
1M	36	40	0	-0	0	-0	0	12.8	9.2	0.0	0.0	22.1	6	
2	36	135	0	0	0	-0	0	43.8	12.9	0.1	0.0	56.7	6	
3	36	83	0	0	0	-0	0	26.8	8.1	0.0	0.0	34.9	6	
4	36	82	0	-0	0	-0	0	26.7	8.1	0.0	0.0	34.7	6	
5	36	84	0	-0	0	-0	0	27.3	8.1	0.0	0.0	35.4	6	
6	36	64	0	-0	0	-0	0	20.7	12.8	0.1	0.0	33.5	6	
7	36	37	0	-0	0	-0	0	12.1	8.0	0.0	0.0	20.2	6	
8	36	37	0	-0	0	-0	0	12.1	8.0	0.0	0.0	20.0	6	
9	36	40	0	-0	0	-0	0	12.9	8.0	0.0	0.0	20.9	6	
10	36	136	0	0	0	-0	0	44.1	12.8	0.1	0.0	56.9	6	
11	36	83	0	0	0	-0	0	27.0	8.0	0.0	0.0	35.0	6	
12	36	83	0	-0	0	-0	0	26.9	8.0	0.0	0.0	34.9	6	
13	36	84	0	-0	0	-0	0	27.4	8.0	0.0	0.0	35.4	6	
14	36	64	0	-0	0	-0	0	20.9	13.8	0.1	0.0	34.7	6	
15	36	36	0	-0	0	-0	0	11.8	8.0	0.0	0.0	19.9	6	
16	36	37	0	-0	0	-0	0	11.9	8.0	0.0	0.0	19.9	6	
17	36	38	0	-0	0	-0	0	12.5	8.0	0.0	0.0	20.5	6	
1A	71	23	-1	-0	0	-0	-0	7.5	0.2	0.8	0.0	7.7	1	
1E	71	31	-1	-0	0	-0	-0	10.1	0.2	0.8	0.0	10.3	1	
1I	71	14	-1	-0	0	-0	-0	4.7	0.1	0.8	0.0	4.9	5	
1M	71	40	-1	-0	0	-0	-0	12.8	0.1	0.8	0.0	13.0	1	
2	71	135	-1	0	0	-0	0	43.8	0.9	1.1	0.0	44.7	1	
3	71	83	-1	0	0	-0	0	26.8	0.2	0.7	0.0	27.0	1	
4	71	82	-1	-0	0	0	0	26.7	0.1	0.7	0.0	26.7	1	
5	71	84	-1	-0	0	-0	0	27.3	0.1	0.7	0.0	27.4	1	
6	71	64	-1	-0	0	-0	0	20.7	0.4	1.1	0.0	21.1	1	
7	71	37	-1	-0	0	0	0	12.1	0.3	0.7	0.0	12.4	1	
8	71	37	-1	-0	0	0	0	12.1	0.5	0.7	0.0	12.6	1	
9	71	40	-1	-0	0	0	0	12.9	0.2	0.7	0.0	13.1	1	
10	71	136	-1	0	0	-0	0	44.1	1.0	1.1	0.0	45.1	1	
11	71	83	-1	0	0	-0	0	27.0	0.3	0.7	0.0	27.2	1	
12	71	83	-1	-0	0	0	0	26.9	0.0	0.7	0.0	27.0	5	
13	71	84	-1	-0	0	-0	0	27.4	0.2	0.7	0.0	27.6	1	
14	71	64	-1	-0	0	-0	0	20.9	0.4	1.1	0.0	21.4	1	
15	71	36	-1	-0	0	0	0	11.8	0.3	0.7	0.0	12.1	1	
16	71	37	-1	-0	0	0	0	11.9	0.5	0.7	0.0	12.4	1	
17	71	38	-1	-0	0	0	0	12.5	0.2	0.7	0.0	12.7	1	

ASTA NUM. 98 NI 63 NF 79 Lungh. 119.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.0075	-1.0019	--	--	0.9457	-4.0637 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-50	1	0	0	-0	0	16.3	1.2	0.5	0.0	17.5	6	
1E	0	-37	1	0	0	-0	0	12.0	1.2	0.5	0.0	13.2	6	
1I	0	-64	1	0	0	-0	0	20.6	1.2	0.5	0.0	21.9	6	
1M	0	-24	1	0	0	-0	0	7.6	1.2	0.5	0.0	8.9	6	
2	0	-217	-3	-1	0	-0	0	70.6	2.7	2.6	0.0	73.3	6	
3	0	-135	-2	-0	0	-0	0	43.7	1.6	1.6	0.0	45.3	6	
4	0	-134	-2	-0	0	-0	0	43.6	1.6	1.6	0.0	45.2	6	
5	0	-136	-2	-0	0	-0	0	44.1	1.6	1.6	0.0	45.7	6	
6	0	-101	-0	-0	0	-0	0	32.7	2.3	0.2	0.0	35.0	6	
7	0	-61	-0	-0	0	-0	0	19.9	1.3	0.1	0.0	21.1	6	
8	0	-61	-0	-0	0	-0	0	19.8	1.3	0.1	0.0	21.1	6	
9	0	-63	-0	-0	0	-0	0	20.5	1.3	0.1	0.0	21.8	6	
10	0	-218	-3	-1	0	-0	0	70.7	2.9	2.6	0.0	73.7	6	
11	0	-135	-2	-0	0	-0	0	43.8	1.7	1.6	0.0	45.5	6	
12	0	-135	-2	-0	0	-0	0	43.8	1.7	1.6	0.0	45.5	6	
13	0	-136	-2	-0	0	-0	0	44.2	1.7	1.6	0.0	45.8	6	
14	0	-104	-0	-0	0	-0	0	33.7	2.3	0.2	0.0	36.0	6	
15	0	-61	-0	-0	0	-0	0	19.7	1.3	0.1	0.0	20.9	6	

16	0	-61	-0	-0	0	-0	0	19.7	1.3	0.1	0.0	21.1	6
17	0	-62	-0	-0	0	-0	0	20.2	1.3	0.1	0.0	21.4	6
1A	60	-49	-0	0	0	-0	0	15.9	11.8	0.0	0.0	27.7	6
1E	60	-36	-0	0	0	-0	0	11.6	11.8	0.0	0.0	23.3	6
1I	60	-62	-0	0	0	-0	0	20.2	11.8	0.0	0.0	32.0	6
1M	60	-22	-0	0	0	-0	0	7.2	11.8	0.0	0.0	19.0	6
2	60	-214	-0	0	0	0	-1	69.5	57.2	0.0	0.0	126.7	6
3	60	-133	-0	0	0	0	-1	43.0	35.8	0.0	0.0	78.8	6
4	60	-132	-0	0	0	0	-1	42.9	35.9	0.0	0.0	78.8	6
5	60	-134	-0	0	0	0	-1	43.4	35.8	0.0	0.0	79.3	6
6	60	-98	-0	0	0	0	-0	32.0	2.8	0.0	0.0	34.8	1
7	60	-60	-0	0	0	0	-0	19.4	1.7	0.0	0.0	21.1	1
8	60	-60	-0	-0	0	0	-0	19.4	1.8	0.0	0.0	21.1	1
9	60	-62	-0	0	0	0	-0	20.0	1.7	0.0	0.0	21.8	1
10	60	-215	-0	0	0	0	-1	69.6	57.1	0.0	0.0	126.7	6
11	60	-133	-0	0	0	0	-1	43.1	35.7	0.0	0.0	78.9	6
12	60	-133	-0	0	0	0	-1	43.1	35.7	0.0	0.0	78.9	6
13	60	-134	-0	0	0	0	-1	43.5	35.8	0.0	0.0	79.2	6
14	60	-102	-0	0	0	0	0	33.0	2.7	0.0	0.0	35.6	1
15	60	-59	-0	0	0	0	-0	19.2	1.7	0.0	0.0	20.9	1
16	60	-59	-0	-0	0	0	-0	19.3	1.7	0.0	0.0	21.0	1
17	60	-61	-0	0	0	0	-0	19.7	1.8	0.0	0.0	21.5	1
1A	120	-48	-1	0	0	-0	-0	15.4	0.8	0.5	0.0	16.2	1
1E	120	-34	-1	0	0	-0	-0	11.1	0.8	0.5	0.0	11.9	1
1I	120	-61	-1	0	0	-0	-0	19.8	0.8	0.5	0.0	20.6	1
1M	120	-21	-1	0	0	-0	-0	6.8	0.8	0.5	0.0	7.6	1
2	120	-211	3	1	0	-0	0	68.4	2.0	2.6	0.0	70.4	1
3	120	-130	2	0	0	-0	0	42.3	1.2	1.6	0.0	43.5	1
4	120	-130	2	0	0	-0	0	42.2	1.1	1.6	0.0	43.3	1
5	120	-132	2	0	0	-0	0	42.7	1.2	1.6	0.0	43.9	1
6	120	-96	0	0	0	-0	0	31.2	1.7	0.2	0.0	32.9	1
7	120	-58	0	0	0	-0	0	18.9	0.9	0.1	0.0	19.8	1
8	120	-58	0	0	0	-0	0	18.9	0.8	0.1	0.0	19.7	1
9	120	-60	0	0	0	-0	0	19.6	0.9	0.1	0.0	20.5	1
10	120	-211	3	1	0	-0	0	68.5	2.2	2.6	0.0	70.7	1
11	120	-131	2	0	0	-0	0	42.4	1.3	1.6	0.0	43.7	1
12	120	-131	2	0	0	-0	0	42.4	1.2	1.6	0.0	43.6	1
13	120	-132	2	0	0	-0	0	42.8	1.2	1.6	0.0	44.0	1
14	120	-99	0	0	0	-0	0	32.2	1.7	0.2	0.0	33.9	1
15	120	-58	0	0	0	-0	0	18.8	0.9	0.1	0.0	19.7	1
16	120	-58	0	0	0	-0	0	18.8	0.8	0.1	0.0	19.6	1
17	120	-59	0	0	0	-0	0	19.3	0.9	0.1	0.0	20.2	1

ASTA NUM. 99 NI 75 NF 63 Lungh. 108.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	29	1	0	0	0	-0	8.4	1.0	1.2	0.0	9.5	6	
1E	0	43	1	0	0	0	-0	12.4	1.0	1.2	0.0	13.5	6	
1I	0	16	1	-0	0	0	-0	4.6	1.0	1.2	0.0	5.6	6	
1M	0	57	1	-0	0	0	-0	16.3	1.0	1.2	0.0	17.3	6	
2	0	201	2	0	0	0	-0	57.6	1.8	1.8	0.0	59.4	6	
3	0	125	1	0	0	0	-0	35.7	1.0	1.1	0.0	36.7	6	
4	0	124	1	-0	0	-0	-0	35.6	0.9	1.1	0.0	36.5	6	
5	0	125	1	0	0	0	-0	35.8	1.0	1.1	0.0	36.8	6	
6	0	89	2	0	0	0	-0	25.6	1.8	1.7	0.0	27.4	6	
7	0	54	1	-0	0	-0	-0	15.6	0.9	1.1	0.0	16.5	6	
8	0	54	1	-0	0	-0	-0	15.6	0.9	1.1	0.0	16.5	6	
9	0	55	1	-0	0	-0	-0	15.9	0.9	1.1	0.0	16.8	6	
10	0	201	2	0	0	0	-0	57.7	1.9	1.7	0.0	59.6	6	
11	0	125	1	0	0	0	-0	35.8	1.0	1.1	0.0	36.8	6	
12	0	125	1	-0	0	0	-0	35.7	0.9	1.1	0.0	36.6	6	
13	0	125	1	0	0	0	-0	35.9	1.0	1.1	0.0	36.9	6	
14	0	92	2	0	0	0	-0	26.3	1.7	1.9	0.0	28.1	6	
15	0	54	1	-0	0	-0	-0	15.4	0.9	1.1	0.0	16.3	6	
16	0	54	1	-0	0	-0	-0	15.5	0.8	1.1	0.0	16.3	6	
17	0	55	1	-0	0	-0	-0	15.7	0.8	1.1	0.0	16.5	6	
1A	54	29	0	0	0	0	0	8.4	19.9	0.0	0.0	28.4	6	
1E	54	43	0	0	0	0	0	12.4	19.9	0.0	0.0	32.4	6	
1I	54	16	0	-0	0	0	0	4.6	19.9	0.0	0.0	24.5	6	
1M	54	57	0	-0	0	0	0	16.3	19.9	0.0	0.0	36.2	6	
2	54	201	0	0	0	0	1	57.6	27.7	0.0	0.0	85.3	6	
3	54	124	0	0	0	0	0	35.7	17.4	0.0	0.0	53.1	6	
4	54	124	0	-0	0	0	0	35.6	17.4	0.0	0.0	53.0	6	
5	54	125	0	0	0	0	0	35.8	17.4	0.0	0.0	53.2	6	
6	54	89	0	0	0	0	1	25.6	27.7	0.0	0.0	53.3	6	
7	54	54	0	-0	0	0	0	15.6	17.4	0.0	0.0	33.0	6	
8	54	54	0	-0	0	0	0	15.6	17.4	0.0	0.0	33.0	6	
9	54	55	0	-0	0	0	0	15.9	17.4	0.0	0.0	33.3	6	
10	54	201	0	0	0	0	1	57.7	27.7	0.0	0.0	85.3	6	
11	54	125	0	0	0	0	0	35.7	17.3	0.0	0.0	53.1	6	
12	54	125	0	-0	0	0	0	35.7	17.4	0.0	0.0	53.1	6	
13	54	125	0	0	0	0	0	35.9	17.4	0.0	0.0	53.2	6	
14	54	92	0	0	0	0	1	26.3	29.7	0.0	0.0	56.1	6	
15	54	54	0	-0	0	0	0	15.4	17.4	0.0	0.0	32.8	6	
16	54	54	-0	-0	0	0	0	15.5	17.4	0.0	0.0	32.9	6	
17	54	55	0	-0	0	0	0	15.7	17.4	0.0	0.0	33.1	6	
1A	109	29	-1	0	0	0	-0	8.4	0.7	1.2	0.0	9.1	6	
1E	109	43	-1	0	0	0	-0	12.4	0.7	1.2	0.0	13.2	6	
1I	109	16	-1	-0	0	0	-0	4.6	0.8	1.2	0.0	5.4	6	
1M	109	57	-1	-0	0	0	-0	16.3	0.8	1.2	0.0	17.1	6	
2	109	201	-2	0	0	-0	-0	57.5	0.9	1.7	0.0	58.4	6	
3	109	124	-1	0	0	-0	0	35.6	0.0	1.1	0.0	35.7	5	
4	109	124	-1	-0	0	0	-0	35.6	0.6	1.1	0.0	36.2	6	
5	109	125	-1	0	0	-0	0	35.8	0.0	1.1	0.0	35.9	5	
6	109	89	-2	0	0	0	-0	25.6	1.1	1.7	0.0	26.7	6	
7	109	54	-1	-0	0	0	-0	15.6	0.8	1.1	0.0	16.3	6	
8	109	54	-1	-0	0	0	-0	15.6	0.9	1.1	0.0	16.5	6	
9	109	55	-1	-0	0	0	-0	15.9	0.7	1.1	0.0	16.6	6	
10	109	201	-2	0	0	-0	-0	57.7	1.1	1.7	0.0	58.8	6	
11	109	125	-1	0	0	-0	-0	35.7	0.6	1.1	0.0	36.3	6	
12	109	125	-1	-0	0	0	-0	35.7	0.7	1.1	0.0	36.4	6	
13	109	125	-1	0	0	-0	-0	35.9	0.6	1.1	0.0	36.4	6	
14	109	92	-2	0	0	0	-0	26.3	1.2	1.9	0.0	27.5	6	
15	109	54	-1	-0	0	0	-0	15.4	0.8	1.1	0.0	16.2	6	
16	109	54	-1	-0	0	0	-0	15.5	1.0	1.1	0.0	16.5	6	
17	109	55	-1	-0	0	0	-0	15.7	0.8	1.1	0.0	16.5	6	

ASTA NUM. 100 NI 55 NF 75 Lungh. 145.1 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-3.6803	-0.9201	--	--	1.5403	-3.0600 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-65	1	-0	0	-0	0	18.6	0.5	0.9	0.0	19.1	1	
1E	0	-47	1	-0	0	-0	0	13.4	0.5	0.9	0.0	13.8	1	
1I	0	-83	1	-0	0	-0	0	23.7	0.5	0.9	0.0	24.2	1	
1M	0	-29	1	-0	0	-0	0	8.3	0.5	0.9	0.0	8.7	1	
2	0	-273	-2	-1	0	-0	0	78.3	1.1	2.0	0.0	79.3	6	
3	0	-170	-2	-0	0	-0	0	48.6	0.6	1.3	0.0	49.2	1	
4	0	-169	-2	-0	0	-0	0	48.5	0.7	1.3	0.0	49.2	1	
5	0	-170	-2	-0	0	-0	0	48.7	0.8	1.3	0.0	49.5	1	
6	0	-128	1	-0	0	-0	0	36.8	0.8	0.5	0.0	37.5	1	
7	0	-79	0	-0	0	-0	0	22.5	0.7	0.3	0.0	23.2	1	
8	0	-79	0	-0	0	-0	0	22.5	0.8	0.3	0.0	23.3	1	
9	0	-79	0	-0	0	-0	0	22.7	0.7	0.3	0.0	23.4	1	
10	0	-274	-2	-1	0	-0	0	78.4	1.1	2.0	0.0	79.6	6	
11	0	-170	-2	-0	0	-0	0	48.7	0.8	1.3	0.0	49.5	1	
12	0	-170	-2	-0	0	-0	0	48.6	0.9	1.3	0.0	49.5	1	
13	0	-170	-2	-0	0	-0	0	48.7	0.8	1.3	0.0	49.6	6	
14	0	-132	1	-0	0	-0	0	37.9	0.8	0.6	0.0	38.7	1	
15	0	-78	0	-0	0	-0	0	22.3	0.7	0.3	0.0	23.1	1	
16	0	-78	0	-0	0	-0	0	22.4	0.9	0.3	0.0	23.2	1	
17	0	-78	0	-0	0	-0	0	22.5	0.7	0.3	0.0	23.2	1	
1A	73	-63	0	-0	0	-0	0	18.1	20.7	0.0	0.0	38.9	6	
1E	73	-45	0	-0	0	-0	0	12.9	20.7	0.0	0.0	33.6	6	
1I	73	-81	0	-0	0	-0	0	23.3	20.7	0.0	0.0	44.0	6	
1M	73	-27	0	-0	0	-0	0	7.8	20.7	0.0	0.0	28.5	6	
2	73	-268	0	-0	0	0	-1	76.8	47.7	0.0	0.0	124.6	6	
3	73	-166	0	-0	0	0	-1	47.7	29.8	0.0	0.0	77.5	6	
4	73	-166	0	-0	0	0	-1	47.6	29.8	0.0	0.0	77.5	6	
5	73	-167	0	-0	0	0	-1	47.8	29.7	0.0	0.0	77.5	6	
6	73	-125	0	-0	0	0	0	35.9	11.6	0.0	0.0	47.5	6	
7	73	-77	0	-0	0	0	0	22.0	7.1	0.0	0.0	29.1	6	
8	73	-77	0	-0	0	0	0	22.0	7.1	0.0	0.0	29.1	6	
9	73	-77	0	-0	0	0	0	22.2	7.3	0.0	0.0	29.4	6	
10	73	-269	0	-0	0	0	-1	77.0	47.7	0.0	0.0	124.6	6	
11	73	-167	0	-0	0	0	-1	47.8	29.8	0.0	0.0	77.6	6	
12	73	-167	0	-0	0	0	-1	47.7	29.8	0.0	0.0	77.5	6	
13	73	-167	0	-0	0	0	-1	47.8	29.7	0.0	0.0	77.5	6	
14	73	-129	0	-0	0	0	0	37.0	13.7	0.0	0.0	50.7	6	
15	73	-76	0	-0	0	0	0	21.8	7.2	0.0	0.0	28.9	6	
16	73	-76	0	-0	0	0	0	21.8	7.1	0.0	0.0	29.0	6	
17	73	-77	0	-0	0	0	0	21.9	7.3	0.0	0.0	29.2	6	
1A	145	-62	-1	-0	0	0	-0	17.7	0.4	0.9	0.0	18.1	1	
1E	145	-43	-1	-0	0	0	-0	12.4	0.4	0.9	0.0	12.8	1	
1I	145	-80	-1	-0	0	0	-0	22.8	0.4	0.9	0.0	23.2	1	
1M	145	-26	-1	-0	0	0	-0	7.3	0.4	0.9	0.0	7.7	1	

2	145	-263	2	1	0	0	0	75.4	1.2	2.0	0.0	76.6	6
3	145	-163	2	0	0	0	0	46.8	0.7	1.3	0.0	47.5	6
4	145	-163	2	0	0	0	0	46.7	0.6	1.3	0.0	47.3	6
5	145	-164	2	0	0	0	0	46.9	0.7	1.3	0.0	47.6	6
6	145	-122	-1	0	0	0	0	35.0	1.0	0.5	0.0	36.1	6
7	145	-75	-0	0	0	0	0	21.4	0.5	0.3	0.0	21.9	6
8	145	-75	-0	0	0	0	0	21.4	0.5	0.3	0.0	21.9	6
9	145	-76	-0	0	0	0	0	21.6	0.6	0.3	0.0	22.3	6
10	145	-264	2	1	0	0	0	75.6	1.3	2.0	0.0	76.9	6
11	145	-164	2	0	0	0	0	46.9	0.7	1.3	0.0	47.6	6
12	145	-164	2	0	0	0	0	46.8	0.7	1.3	0.0	47.6	6
13	145	-164	2	0	0	0	0	46.9	0.8	1.3	0.0	47.7	6
14	145	-126	-1	0	0	0	0	36.1	1.0	0.6	0.0	37.1	6
15	145	-74	-0	0	0	0	0	21.2	0.5	0.3	0.0	21.7	6
16	145	-74	-0	0	0	0	0	21.3	0.5	0.3	0.0	21.8	1
17	145	-75	-0	0	0	0	0	21.4	0.6	0.3	0.0	22.0	6

ASTA NUM. 101 NI 55 NF 49 Lungh. 149.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	37	2	-0	0	0	-0	10.7	1.6	1.7	0.0	12.2	6	
1E	0	56	2	-0	0	0	-0	16.1	1.6	1.7	0.0	17.7	6	
1I	0	16	2	-0	0	0	-0	4.7	1.6	1.7	0.0	6.3	6	
1M	0	77	2	-0	0	0	-0	22.1	1.6	1.7	0.0	23.7	6	
2	0	275	3	-0	0	0	-0	78.9	2.2	2.4	0.0	81.0	6	
3	0	172	2	-0	0	0	-0	49.1	1.2	1.5	0.0	50.3	6	
4	0	171	2	-0	0	0	-0	49.1	1.2	1.5	0.0	50.3	6	
5	0	172	2	-0	0	0	-0	49.3	1.1	1.5	0.0	50.3	6	
6	0	118	3	-0	0	0	-0	33.8	2.6	2.4	0.0	36.4	6	
7	0	73	2	-0	0	0	-0	20.9	1.4	1.5	0.0	22.3	6	
8	0	73	2	-0	0	-0	-0	20.8	1.5	1.5	0.0	22.4	6	
9	0	74	2	-0	0	0	-0	21.1	1.3	1.5	0.0	22.4	6	
10	0	275	3	-0	0	0	-0	78.9	2.4	2.4	0.0	81.2	6	
11	0	172	2	-0	0	0	-0	49.2	1.3	1.5	0.0	50.5	6	
12	0	171	2	-0	0	0	-0	49.1	1.3	1.5	0.0	50.4	6	
13	0	172	2	-0	0	0	-0	49.3	1.2	1.5	0.0	50.4	6	
14	0	122	3	-0	0	0	-0	35.0	2.6	2.6	0.0	37.6	6	
15	0	73	2	-0	0	0	-0	20.8	1.4	1.5	0.0	22.2	6	
16	0	73	2	-0	0	-0	-0	20.8	1.5	1.5	0.0	22.3	6	
17	0	73	2	-0	0	0	-0	21.0	1.3	1.5	0.0	22.3	6	
1A	75	37	0	-0	0	0	1	10.7	38.9	0.0	0.0	49.5	6	
1E	75	56	0	-0	0	0	1	16.1	38.9	0.0	0.0	55.0	6	
1I	75	16	0	-0	0	0	1	4.7	39.0	0.0	0.0	43.7	6	
1M	75	77	0	-0	0	0	1	22.1	39.0	0.0	0.0	61.1	6	
2	75	275	0	-0	0	0	1	78.9	55.6	0.0	0.0	134.5	6	
3	75	172	0	-0	0	0	1	49.1	34.9	0.0	0.0	84.1	6	
4	75	171	0	-0	0	0	1	49.1	35.1	0.0	0.0	84.1	6	
5	75	172	0	-0	0	0	1	49.3	34.9	0.0	0.0	84.1	6	
6	75	118	0	-0	0	0	1	33.8	54.7	0.0	0.0	88.5	6	
7	75	73	0	-0	0	0	1	20.9	34.5	0.0	0.0	55.4	6	
8	75	73	0	-0	0	0	1	20.8	34.6	0.0	0.0	55.4	6	
9	75	74	0	-0	0	0	1	21.1	34.3	0.0	0.0	55.4	6	
10	75	275	0	-0	0	0	1	78.9	55.5	0.0	0.0	134.4	6	
11	75	172	0	-0	0	0	1	49.2	34.9	0.0	0.0	84.1	6	
12	75	171	0	-0	0	0	1	49.1	35.0	0.0	0.0	84.1	6	
13	75	172	0	-0	0	0	1	49.3	34.8	0.0	0.0	84.1	6	
14	75	122	0	-0	0	0	1	35.0	58.5	0.0	0.0	93.6	6	
15	75	73	0	-0	0	0	1	20.8	34.5	0.0	0.0	55.3	6	
16	75	73	0	-0	0	0	1	20.8	34.6	0.0	0.0	55.4	6	
17	75	73	0	-0	0	0	1	21.0	34.3	0.0	0.0	55.3	6	
1A	150	37	-2	-0	0	0	-0	10.7	2.6	1.7	0.0	13.3	1	
1E	150	56	-2	-0	0	0	-0	16.1	2.6	1.7	0.0	18.7	1	
1I	150	16	-2	-0	0	0	0	4.7	2.7	1.7	0.0	7.4	1	
1M	150	77	-2	-0	0	0	0	22.1	2.7	1.7	0.0	24.8	1	
2	150	275	-3	-0	0	0	0	78.9	4.3	2.3	0.0	83.2	1	
3	150	172	-2	-0	0	0	0	49.1	3.5	1.5	0.0	52.6	1	
4	150	171	-2	-0	0	0	0	49.1	4.2	1.5	0.0	53.3	1	
5	150	172	-2	-0	0	0	0	49.3	3.4	1.5	0.0	52.6	1	
6	150	118	-3	-0	0	0	0	33.8	4.3	2.4	0.0	38.0	1	
7	150	73	-2	-0	0	0	0	20.9	3.8	1.5	0.0	24.7	1	
8	150	73	-2	-0	0	0	0	20.8	4.5	1.5	0.0	25.3	1	
9	150	74	-2	-0	0	0	0	21.1	3.4	1.5	0.0	24.5	1	
10	150	275	-3	-0	0	0	0	78.9	4.4	2.3	0.0	83.3	1	
11	150	172	-2	-0	0	0	0	49.2	3.5	1.5	0.0	52.7	1	
12	150	171	-2	-0	0	0	0	49.1	4.3	1.5	0.0	53.4	1	
13	150	172	-2	-0	0	0	0	49.3	3.4	1.5	0.0	52.6	1	
14	150	122	-3	-0	0	0	0	35.0	4.2	2.5	0.0	39.2	1	
15	150	73	-2	-0	0	0	0	20.8	3.8	1.5	0.0	24.6	1	
16	150	73	-2	-0	0	0	0	20.8	4.6	1.5	0.0	25.4	1	
17	150	73	-2	-0	0	0	0	21.0	3.3	1.5	0.0	24.3	1	

ASTA NUM. 102 NI 49 NF 56 Lungh. 149.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	38	2	-0	0	-0	-0	11.0	1.4	1.7	0.0	12.3	1	
1E	0	57	2	-0	0	-0	-0	16.4	1.4	1.7	0.0	17.8	1	
1I	0	17	2	-0	0	-0	-0	5.0	1.3	1.7	0.0	6.3	1	
1M	0	78	2	-0	0	-0	-0	22.4	1.3	1.7	0.0	23.7	1	
2	0	-143	3	-0	0	-0	-0	41.1	3.6	2.4	0.0	44.7	6	
3	0	-91	2	0	0	0	-0	26.0	1.9	1.5	0.0	27.8	6	
4	0	-90	2	0	0	0	-0	25.9	2.1	1.5	0.0	28.0	6	
5	0	-90	2	0	0	0	-0	25.7	2.0	1.5	0.0	27.8	6	
6	0	15	3	-0	0	-0	-0	4.2	2.7	2.4	0.0	6.9	6	
7	0	8	2	0	0	0	-0	2.2	1.0	1.5	0.0	3.6	4	
8	0	8	2	0	0	0	-0	2.4	1.3	1.5	0.0	3.8	4	
9	0	9	2	0	0	0	-0	2.6	1.2	1.5	0.0	3.9	4	
10	0	-143	3	-0	0	-0	-0	41.1	4.1	2.4	0.0	45.2	6	
11	0	-91	2	0	0	0	-0	25.9	1.9	1.5	0.0	27.8	6	
12	0	-90	2	0	0	0	-0	25.8	2.2	1.5	0.0	28.0	6	
13	0	-90	2	0	0	0	-0	25.7	2.1	1.5	0.0	27.8	6	
14	0	19	3	-0	0	-0	-0	5.5	2.8	2.6	0.0	8.3	6	
15	0	8	2	0	0	0	-0	2.2	1.0	1.5	0.0	3.5	4	
16	0	8	2	0	0	0	-0	2.4	1.4	1.5	0.0	3.9	4	
17	0	9	2	0	0	0	-0	2.5	1.1	1.5	0.0	3.8	4	
1A	75	38	0	-0	0	-0	1	11.0	39.2	0.0	0.0	50.2	6	
1E	75	57	0	-0	0	-0	1	16.4	39.2	0.0	0.0	55.7	6	
1I	75	17	0	-0	0	-0	1	5.0	39.4	0.0	0.0	44.4	6	
1M	75	78	0	-0	0	-0	1	22.4	39.4	0.0	0.0	61.8	6	
2	75	-143	0	-0	0	-0	1	41.1	53.8	0.0	0.0	94.9	6	
3	75	-91	0	0	0	-0	1	26.0	33.5	0.0	0.0	59.5	6	
4	75	-90	0	0	0	0	1	25.9	33.5	0.0	0.0	59.4	6	
5	75	-90	0	0	0	-0	1	25.7	33.4	0.0	0.0	59.1	6	
6	75	15	0	-0	0	-0	1	4.2	54.8	0.0	0.0	59.0	6	
7	75	8	0	0	0	-0	1	2.2	34.1	0.0	0.0	36.3	6	
8	75	8	0	0	0	0	1	2.4	34.1	0.0	0.0	36.4	6	
9	75	9	0	0	0	-0	1	2.6	33.9	0.0	0.0	36.5	6	
10	75	-143	0	-0	0	-0	1	41.1	53.9	0.0	0.0	95.0	6	
11	75	-91	0	0	0	-0	1	25.9	33.6	0.0	0.0	59.5	6	
12	75	-90	0	0	0	0	1	25.8	33.4	0.0	0.0	59.3	6	
13	75	-90	0	0	0	-0	1	25.7	33.4	0.0	0.0	59.2	6	
14	75	19	0	-0	0	-0	1	5.5	58.6	0.0	0.0	64.1	6	
15	75	8	0	0	0	-0	1	2.2	34.0	0.0	0.0	36.2	6	
16	75	8	0	0	0	0	1	2.4	34.1	0.0	0.0	36.4	6	
17	75	9	0	0	0	-0	1	2.5	34.0	0.0	0.0	36.4	6	
1A	150	38	-2	-0	0	-0	0	11.0	0.7	1.7	0.0	11.7	6	
1E	150	57	-2	-0	0	-0	0	16.4	0.7	1.7	0.0	17.2	6	
1I	150	17	-2	-0	0	-0	0	5.0	0.9	1.7	0.0	6.0	4	
1M	150	78	-2	-0	0	-0	0	22.4	0.9	1.7	0.0	23.3	6	
2	150	-143	-3	-0	0	-0	0	41.1	1.0	2.3	0.0	42.1	1	
3	150	-91	-2	0	0	-0	0	26.0	0.6	1.5	0.0	26.6	1	
4	150	-90	-2	0	0	-0	0	25.9	0.7	1.5	0.0	26.6	1	
5	150	-90	-2	0	0	-0	0	25.7	0.7	1.5	0.0	26.4	1	
6	150	15	-3	-0	0	-0	0	4.2	1.4	2.4	0.0	6.1	4	
7	150	8	-2	0	0	-0	0	2.2	0.6	1.5	0.0	3.5	5	
8	150	8	-2	0	0	-0	0	2.4	0.8	1.5	0.0	3.7	5	
9	150	9	-2	0	0	-0	0	2.6	0.6	1.5	0.0	3.8	5	
10	150	-143	-3	-0	0	-0	0	41.1	1.2	2.3	0.0	42.3	6	
11	150	-91	-2	0	0	-0	0	25.9	0.6	1.5	0.0	26.6	1	
12	150	-90	-2	0	0	-0	0	25.8	0.7	1.5	0.0	26.5	1	
13	150	-90	-2	0	0	-0	0	25.7	0.7	1.5	0.0	26.4	1	
14	150	19	-3	-0	0	-0	0	5.5	1.4	2.5	0.0	7.2	4	
15	150	8	-2	0	0	-0	0	2.2	0.6	1.5	0.0	3.5	5	
16	150	8	-2	0	0	-0	0	2.4	0.9	1.5	0.0	3.7	5	
17	150	9	-2	0	0	-0	0	2.5	0.6	1.5	0.0	3.7	5	

ASTA NUM. 103 NI 58 NF 50 Lungh. 149.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					

1A	0	38	2	0	0	-0	-0	10.9	1.6	1.7	0.0	12.4	6
1E	0	57	2	0	0	-0	-0	16.3	1.6	1.7	0.0	17.9	6
1I	0	17	2	0	0	-0	-0	4.9	1.7	1.7	0.0	6.5	6
1M	0	78	2	0	0	-0	-0	22.3	1.7	1.7	0.0	24.0	6
2	0	276	3	0	0	-0	-0	79.1	2.3	2.4	0.0	81.5	6
3	0	173	2	-0	0	-0	-0	49.5	1.5	1.5	0.0	50.9	6
4	0	173	2	-0	0	-0	-0	49.6	1.4	1.5	0.0	50.9	6
5	0	173	2	-0	0	-0	-0	49.6	1.5	1.5	0.0	51.1	6
6	0	119	3	0	0	-0	-0	34.1	2.7	2.4	0.0	36.7	6
7	0	74	2	-0	0	-0	-0	21.3	1.7	1.5	0.0	23.0	6
8	0	75	2	-0	0	-0	-0	21.4	1.6	1.5	0.0	23.0	6
9	0	75	2	-0	0	-0	-0	21.4	1.7	1.5	0.0	23.2	6
10	0	276	3	0	0	-0	-0	79.1	2.4	2.4	0.0	81.6	6
11	0	173	2	-0	0	-0	-0	49.5	1.5	1.5	0.0	51.0	6
12	0	173	2	-0	0	-0	-0	49.6	1.4	1.5	0.0	51.1	6
13	0	173	2	-0	0	-0	-0	49.6	1.6	1.5	0.0	51.1	6
14	0	123	3	0	0	-0	-0	35.3	2.7	2.6	0.0	38.0	6
15	0	74	2	-0	0	-0	-0	21.3	1.7	1.5	0.0	23.0	6
16	0	75	2	-0	0	-0	-0	21.4	1.6	1.5	0.0	23.0	6
17	0	75	2	-0	0	-0	-0	21.4	1.7	1.5	0.0	23.1	6
1A	75	38	0	0	0	-0	1	10.9	38.5	0.0	0.0	49.4	6
1E	75	57	0	0	0	-0	1	16.3	38.5	0.0	0.0	54.9	6
1I	75	17	0	0	0	-0	1	4.9	38.7	0.0	0.0	43.6	6
1M	75	78	0	0	0	-0	1	22.3	38.7	0.0	0.0	61.0	6
2	75	276	0	0	0	-0	1	79.1	55.1	0.0	0.0	134.2	6
3	75	173	0	-0	0	-0	1	49.5	34.3	0.0	0.0	83.8	6
4	75	173	0	-0	0	0	1	49.6	34.2	0.0	0.0	83.8	6
5	75	173	0	-0	0	-0	1	49.6	34.2	0.0	0.0	83.8	6
6	75	119	0	0	0	-0	1	34.1	54.3	0.0	0.0	88.3	6
7	75	74	0	-0	0	-0	1	21.3	33.7	0.0	0.0	55.0	6
8	75	75	0	-0	0	0	1	21.4	33.6	0.0	0.0	55.1	6
9	75	75	0	-0	0	-0	1	21.4	33.7	0.0	0.0	55.1	6
10	75	276	0	0	0	-0	1	79.1	55.1	0.0	0.0	134.3	6
11	75	173	0	-0	0	-0	1	49.5	34.3	0.0	0.0	83.8	6
12	75	173	0	-0	0	-0	1	49.6	34.1	0.0	0.0	83.7	6
13	75	173	0	-0	0	-0	1	49.6	34.3	0.0	0.0	83.8	6
14	75	123	0	0	0	-0	1	35.3	58.1	0.0	0.0	93.5	6
15	75	74	0	-0	0	-0	1	21.3	33.7	0.0	0.0	54.9	6
16	75	75	0	-0	0	0	1	21.4	33.6	0.0	0.0	55.1	6
17	75	75	0	-0	0	-0	1	21.4	33.7	0.0	0.0	55.1	6
1A	150	38	-2	0	0	-0	-0	10.9	1.1	1.7	0.0	12.0	1
1E	150	57	-2	0	0	-0	-0	16.3	1.1	1.7	0.0	17.5	1
1I	150	17	-2	0	0	-0	0	4.9	1.2	1.7	0.0	6.1	1
1M	150	78	-2	0	0	-0	0	22.3	1.2	1.7	0.0	23.5	1
2	150	276	-3	0	0	-0	0	79.1	2.3	2.3	0.0	81.5	6
3	150	173	-2	-0	0	0	0	49.5	1.3	1.5	0.0	50.8	6
4	150	173	-2	-0	0	0	0	49.6	1.5	1.5	0.0	51.0	1
5	150	173	-2	-0	0	0	0	49.6	1.3	1.5	0.0	50.8	6
6	150	119	-3	0	0	-0	0	34.1	1.8	2.4	0.0	35.9	1
7	150	74	-2	-0	0	0	0	21.3	0.3	1.5	0.0	21.6	1
8	150	75	-2	-0	0	0	0	21.4	1.0	1.5	0.0	22.4	1
9	150	75	-2	-0	0	0	0	21.4	0.1	1.5	0.0	21.6	5
10	150	276	-3	0	0	-0	0	79.1	2.5	2.3	0.0	81.6	6
11	150	173	-2	-0	0	0	0	49.5	1.2	1.5	0.0	50.7	6
12	150	173	-2	-0	0	0	0	49.6	1.3	1.5	0.0	50.9	6
13	150	173	-2	-0	0	0	0	49.6	1.2	1.5	0.0	50.7	6
14	150	123	-3	0	0	-0	0	35.3	1.8	2.5	0.0	37.1	1
15	150	74	-2	-0	0	0	0	21.3	0.3	1.5	0.0	21.6	1
16	150	75	-2	-0	0	0	0	21.4	1.1	1.5	0.0	22.6	1
17	150	75	-2	-0	0	0	0	21.4	0.1	1.5	0.0	21.5	5

ASTA NUM. 104 NI 50 NF 57 Lungh. 149.8 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	39	2	0	0	0	-0	11.1	3.0	1.7	0.0	14.2	1	
1E	0	58	2	0	0	0	-0	16.6	3.0	1.7	0.0	19.6	1	
1I	0	18	2	0	0	0	-0	5.2	3.0	1.7	0.0	8.1	1	
1M	0	79	2	0	0	0	-0	22.6	3.0	1.7	0.0	25.5	1	
2	0	-143	3	0	0	0	-0	40.8	5.0	2.4	0.0	45.9	1	
3	0	-89	2	0	0	0	-0	25.5	4.1	1.5	0.0	29.5	1	
4	0	-89	2	0	0	0	-0	25.4	4.5	1.5	0.0	29.9	1	
5	0	-88	2	0	0	0	-0	25.3	4.3	1.5	0.0	29.6	1	
6	0	16	3	0	0	0	-0	4.4	4.9	2.4	0.0	9.3	1	
7	0	10	2	0	0	0	-0	2.9	4.5	1.5	0.0	7.4	1	
8	0	10	2	0	0	0	-0	2.9	4.8	1.5	0.0	7.6	1	
9	0	11	2	0	0	0	-0	3.0	4.5	1.5	0.0	7.5	1	
10	0	-143	3	0	0	0	-0	40.9	5.1	2.4	0.0	46.0	1	
11	0	-89	2	0	0	0	-0	25.5	4.1	1.5	0.0	29.5	1	
12	0	-89	2	0	0	0	-0	25.4	4.6	1.5	0.0	30.0	1	
13	0	-88	2	0	0	0	-0	25.3	4.3	1.5	0.0	29.6	1	
14	0	20	3	0	0	0	-0	5.7	4.9	2.6	0.0	10.6	1	
15	0	10	2	0	0	0	-0	2.8	4.5	1.5	0.0	7.3	1	
16	0	10	2	0	0	0	-0	2.9	4.9	1.5	0.0	7.8	1	
17	0	10	2	0	0	0	-0	2.9	4.4	1.5	0.0	7.4	1	
1A	75	39	0	0	0	0	1	11.1	39.4	0.0	0.0	50.5	6	
1E	75	58	0	0	0	0	1	16.6	39.4	0.0	0.0	56.0	6	
1I	75	18	0	0	0	0	1	5.2	39.6	0.0	0.0	44.7	6	
1M	75	79	0	0	0	0	1	22.6	39.6	0.0	0.0	62.2	6	
2	75	-143	0	0	0	0	1	40.8	54.1	0.0	0.0	94.9	6	
3	75	-89	0	0	0	0	1	25.5	33.9	0.0	0.0	59.4	6	
4	75	-89	0	0	0	0	1	25.4	33.9	0.0	0.0	59.3	6	
5	75	-88	0	0	0	0	1	25.3	33.9	0.0	0.0	59.2	6	
6	75	16	0	0	0	0	1	4.4	55.0	0.0	0.0	59.5	6	
7	75	10	0	0	0	0	1	2.9	34.6	0.0	0.0	37.4	6	
8	75	10	0	0	0	0	1	2.9	34.6	0.0	0.0	37.5	6	
9	75	11	0	0	0	0	1	3.0	34.5	0.0	0.0	37.5	6	
10	75	-143	0	0	0	0	1	40.9	54.2	0.1	0.0	95.0	6	
11	75	-89	0	0	0	0	1	25.5	33.9	0.0	0.0	59.4	6	
12	75	-89	0	0	0	0	1	25.4	34.0	0.0	0.0	59.3	6	
13	75	-88	0	0	0	0	1	25.3	33.9	0.0	0.0	59.2	6	
14	75	20	0	0	0	0	1	5.7	58.9	0.0	0.0	64.6	6	
15	75	10	0	0	0	0	1	2.8	34.6	0.0	0.0	37.4	6	
16	75	10	0	0	0	0	1	2.9	34.6	0.0	0.0	37.5	6	
17	75	10	0	0	0	0	1	2.9	34.5	0.0	0.0	37.4	6	
1A	150	39	-2	0	0	-0	0	11.1	0.7	1.7	0.0	11.8	6	
1E	150	58	-2	0	0	-0	0	16.6	0.7	1.7	0.0	17.3	6	
1I	150	18	-2	0	0	-0	0	5.2	0.8	1.7	0.0	6.0	4	
1M	150	79	-2	0	0	-0	0	22.6	0.8	1.7	0.0	23.4	6	
2	150	-143	-3	0	0	0	0	40.8	0.9	2.3	0.0	41.8	6	
3	150	-89	-2	0	0	0	0	25.5	0.1	1.5	0.0	25.6	5	
4	150	-89	-2	0	0	-0	0	25.4	0.1	1.5	0.0	25.5	5	
5	150	-88	-2	0	0	-0	0	25.3	0.6	1.5	0.0	25.9	6	
6	150	16	-3	0	0	0	0	4.4	1.3	2.4	0.0	6.2	4	
7	150	10	-2	0	0	-0	0	2.9	0.8	1.5	0.0	3.9	4	
8	150	10	-2	0	0	-0	0	2.9	0.8	1.5	0.0	3.9	4	
9	150	11	-2	0	0	-0	0	3.0	1.0	1.5	0.0	4.1	4	
10	150	-143	-3	0	0	0	0	40.9	1.1	2.3	0.0	42.0	6	
11	150	-89	-2	0	0	0	0	25.5	0.6	1.5	0.0	26.1	6	
12	150	-89	-2	0	0	-0	0	25.4	0.5	1.5	0.0	25.9	6	
13	150	-88	-2	0	0	0	0	25.3	0.7	1.5	0.0	26.0	6	
14	150	20	-3	0	0	0	0	5.7	1.3	2.5	0.0	7.3	4	
15	150	10	-2	0	0	-0	0	2.8	0.8	1.5	0.0	3.9	4	
16	150	10	-2	0	0	-0	0	2.9	0.8	1.5	0.0	4.0	4	
17	150	10	-2	0	0	-0	0	2.9	1.0	1.5	0.0	4.0	4	

ASTA NUM. 105 NI 48 NF 59 Lungh. 88.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.5907	0.6477	--	--	1.6399	4.8782 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	20	1	0	0	0	-0	6.5	2.6	0.7	0.0	9.2	1	
1E	0	23	1	0	0	0	-0	7.6	2.6	0.7	0.0	10.2	1	
1I	0	19	1	0	0	0	-0	6.2	1.9	0.7	0.0	8.1	6	
1M	0	24	1	0	0	0	-0	7.9	1.9	0.7	0.0	9.8	6	
2	0	41	3	0	0	0	-0	13.2	2.9	2.6	0.0	16.1	6	
3	0	25	2	0	0	0	-0	8.3	2.2	1.6	0.0	10.5	1	
4	0	25	2	0	0	0	-0	8.1	2.9	1.6	0.0	11.0	1	
5	0	26	2	0	0	0	-0	8.4	2.4	1.6	0.0	10.8	1	
6	0	34	1	0	0	0	-0	11.0	2.8	1.4	0.0	13.8	6	
7	0	21	1	0	0	0	-0	6.8	2.5	0.9	0.0	9.4	1	
8	0	20	1	0	0	0	-0	6.6	3.1	0.9	0.0	9.7	1	
9	0	22	1	0	0	0	-0	7.0	2.5	0.9	0.0	9.5	1	
10	0	41	3	0	0	0	-0	13.4	3.0	2.6	0.0	16.4	6	
11	0	26	2	0	0	0	-0	8.3	2.1	1.6	0.0	10.5	1	
12	0	25	2	0	0	0	-0	8.2	2.9	1.6	0.0	11.1	1	
13	0	26	2	0	0	0	-0	8.4	2.3	1.6	0.0	10.7	1	
14	0	36	2	0	0	0	-0	11.6	2.9	1.4	0.0	14.5	6	
15	0	21	1	0	0	0	-0	6.8	2.6	0.9	0.0	9.4	1	
16	0	21	1	0	0	0	-0	6.7	3.3	0.9	0.0	9.9	1	
17	0	22	1	0	0	0	-0	7.0	2.5	0.9	0.0	9.4	1	
1A	44	21	0	0	0	0	0	6.8	9.9	0.0	0.0	16.7	6	
1E	44	24	0	0	0	0	0	7.8	9.9	0.0	0.0	17.7	6	
1I	44	20	0	0	0	0	0	6.5	9.8	0.0	0.0	16.2	6	
1M	44	25	0	0	0	0	0	8.2	9.8	0.0	0.0	17.9	6	
2	44	40	0	0	0	-0	1	13.1	38.3	0.0	0.0	51.4	6	
3	44	25	0	0	0	-0	0	8.2	23.9	0.0	0.0	32.1	6	
4	44	25	0	0	0	-0	0	8.0	23.8	0.0	0.0	31.8	6	

5	44	25	0	0	0	-0	0	8.3	23.8	0.0	0.0	32.1	6
6	44	34	0	0	0	-0	0	11.2	19.3	0.0	0.0	30.5	6
7	44	21	0	0	0	0	0	7.0	12.3	0.0	0.0	19.3	6
8	44	21	0	0	0	0	0	6.8	12.6	0.0	0.0	19.3	6
9	44	22	0	0	0	0	0	7.1	12.2	0.0	0.0	19.3	6
10	44	41	0	0	0	-0	1	13.2	38.2	0.0	0.0	51.4	6
11	44	25	0	0	0	-0	0	8.2	23.8	0.0	0.0	32.1	6
12	44	25	0	0	0	-0	0	8.1	23.7	0.0	0.0	31.8	6
13	44	26	0	0	0	-0	0	8.3	23.7	0.0	0.0	32.1	6
14	44	36	0	0	0	-0	0	11.8	20.2	0.0	0.0	32.1	6
15	44	22	0	0	0	0	0	7.0	12.3	0.0	0.0	19.3	6
16	44	21	0	0	0	0	0	6.8	12.5	0.0	0.0	19.4	6
17	44	22	0	0	0	0	0	7.1	12.2	0.0	0.0	19.3	6
1A	88	22	-1	0	0	-0	0	7.1	0.7	0.7	0.0	7.7	1
1E	88	25	-1	0	0	-0	0	8.1	0.7	0.7	0.0	8.7	1
1I	88	21	-1	0	0	-0	0	6.7	0.2	0.7	0.0	7.0	1
1M	88	26	-1	0	0	-0	0	8.4	0.2	0.7	0.0	8.7	1
2	88	40	-3	-0	0	-0	-0	12.9	0.5	2.5	0.0	13.7	4
3	88	25	-2	-0	0	-0	-0	8.1	0.2	1.6	0.0	8.5	5
4	88	24	-2	-0	0	-0	-0	7.9	0.3	1.6	0.0	8.4	4
5	88	25	-2	-0	0	-0	-0	8.2	0.4	1.6	0.0	8.7	4
6	88	35	-1	-0	0	-0	-0	11.4	0.4	1.3	0.0	11.8	6
7	88	22	-1	0	0	-0	-0	7.1	0.2	0.8	0.0	7.3	5
8	88	21	-1	0	0	-0	-0	6.9	0.2	0.8	0.0	7.1	1
9	88	22	-1	0	0	-0	-0	7.3	0.3	0.8	0.0	7.6	1
10	88	40	-3	-0	0	-0	-0	13.1	0.7	2.5	0.0	13.9	4
11	88	25	-2	-0	0	-0	-0	8.1	0.3	1.6	0.0	8.6	4
12	88	25	-2	-0	0	-0	-0	8.0	0.4	1.6	0.0	8.5	4
13	88	25	-2	-0	0	-0	-0	8.2	0.4	1.6	0.0	8.8	4
14	88	37	-1	-0	0	-0	-0	12.1	0.5	1.4	0.0	12.6	6
15	88	22	-1	0	0	-0	-0	7.1	0.2	0.8	0.0	7.4	1
16	88	21	-1	0	0	-0	-0	7.0	0.3	0.8	0.0	7.3	6
17	88	22	-1	0	0	-0	-0	7.3	0.3	0.8	0.0	7.6	1

ASTA NUM. 106 NI 48 NF 60 Lungh. 88.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.5907	-0.6477	--	--	1.6399	-1.5985 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	14	1	0	0	-0	0	4.4	1.7	0.6	0.0	6.1	6	
1E	0	17	1	0	0	-0	0	5.5	1.7	0.6	0.0	7.1	6	
1I	0	13	1	-0	0	-0	0	4.1	1.9	0.6	0.0	6.0	6	
1M	0	18	1	-0	0	-0	0	5.8	1.9	0.6	0.0	7.7	6	
2	0	11	-1	0	0	-0	0	3.6	3.3	0.7	0.0	6.9	6	
3	0	7	-0	0	0	-0	0	2.1	2.9	0.4	0.0	5.1	1	
4	0	7	-0	0	0	-0	0	2.3	3.6	0.4	0.0	5.9	1	
5	0	6	-0	0	0	-0	0	2.1	3.3	0.4	0.0	5.4	1	
6	0	18	1	0	0	-0	0	5.9	3.3	0.5	0.0	9.2	6	
7	0	11	0	-0	0	-0	0	3.5	3.4	0.3	0.0	7.0	1	
8	0	12	0	-0	0	-0	0	3.7	3.9	0.3	0.0	7.6	1	
9	0	11	0	-0	0	-0	0	3.5	3.6	0.3	0.0	7.0	1	
10	0	11	-1	0	0	-0	0	3.5	3.4	0.7	0.0	6.9	6	
11	0	6	-0	0	0	-0	0	2.1	2.9	0.4	0.0	5.0	1	
12	0	7	-0	0	0	-0	0	2.3	3.6	0.4	0.0	5.9	1	
13	0	6	-0	0	0	-0	0	2.0	3.2	0.4	0.0	5.2	1	
14	0	20	1	0	0	-0	0	6.5	3.3	0.6	0.0	9.8	6	
15	0	11	0	-0	0	-0	0	3.6	3.5	0.3	0.0	7.0	1	
16	0	12	0	-0	0	-0	0	3.8	4.0	0.3	0.0	7.8	1	
17	0	11	0	-0	0	-0	0	3.5	3.5	0.3	0.0	7.0	1	
1A	44	14	-0	0	0	-0	0	4.7	11.4	0.0	0.0	16.1	6	
1E	44	18	-0	0	0	-0	0	5.7	11.4	0.0	0.0	17.1	6	
1I	44	13	-0	-0	0	-0	0	4.4	11.4	0.0	0.0	15.8	6	
1M	44	19	-0	-0	0	-0	0	6.1	11.4	0.0	0.0	17.5	6	
2	44	14	-0	-0	0	-0	-0	4.4	10.1	0.0	0.0	14.5	6	
3	44	8	-0	-0	0	-0	-0	2.7	6.4	0.0	0.0	9.1	6	
4	44	9	-0	-0	0	-0	-0	2.9	6.6	0.0	0.0	9.4	6	
5	44	8	-0	-0	0	-0	-0	2.6	6.5	0.0	0.0	9.1	6	
6	44	20	-0	-0	0	-0	0	6.3	10.4	0.0	0.0	16.8	6	
7	44	12	-0	-0	0	-0	0	3.8	6.9	0.0	0.0	10.8	6	
8	44	12	-0	-0	0	-0	0	4.1	6.9	0.1	0.0	11.0	6	
9	44	12	-0	-0	0	-0	0	3.8	6.9	0.0	0.0	10.7	6	
10	44	13	-0	-0	0	-0	-0	4.4	10.1	0.0	0.0	14.4	6	
11	44	8	-0	-0	0	-0	-0	2.6	6.4	0.0	0.0	9.0	6	
12	44	9	-0	-0	0	-0	-0	2.8	6.6	0.0	0.0	9.4	6	
13	44	8	-0	-0	0	-0	-0	2.6	6.4	0.0	0.0	9.0	6	
14	44	22	-0	-0	0	-0	0	7.0	11.4	0.0	0.0	18.4	6	
15	44	12	-0	-0	0	-0	0	3.9	6.9	0.0	0.0	10.8	6	
16	44	13	-0	-0	0	-0	0	4.1	6.9	0.1	0.0	11.0	6	
17	44	12	-0	-0	0	-0	0	3.8	6.9	0.0	0.0	10.7	6	
1A	88	15	-1	0	0	-0	0	4.9	0.8	0.7	0.0	5.8	1	
1E	88	18	-1	0	0	-0	0	6.0	0.8	0.7	0.0	6.8	1	
1I	88	14	-1	-0	0	-0	0	4.6	0.4	0.7	0.0	5.0	1	
1M	88	19	-1	-0	0	-0	0	6.3	0.4	0.7	0.0	6.7	1	
2	88	16	1	-0	0	-0	0	5.3	0.5	0.6	0.0	5.8	6	
3	88	10	0	-0	0	-0	0	3.2	0.4	0.4	0.0	3.6	6	
4	88	11	0	-0	0	-0	0	3.4	0.3	0.4	0.0	3.7	6	
5	88	10	0	-0	0	-0	0	3.2	0.3	0.4	0.0	3.5	6	
6	88	21	-1	-0	0	-0	0	6.8	0.5	0.6	0.0	7.3	1	
7	88	13	-0	-0	0	-0	0	4.1	0.3	0.4	0.0	4.4	6	
8	88	13	-0	-0	0	-0	0	4.4	0.2	0.4	0.0	4.6	6	
9	88	13	-0	-0	0	-0	0	4.1	0.2	0.4	0.0	4.3	1	
10	88	16	1	-0	0	-0	0	5.2	0.5	0.6	0.0	5.7	1	
11	88	10	0	-0	0	-0	0	3.2	0.3	0.4	0.0	3.5	6	
12	88	10	0	-0	0	-0	0	3.4	0.2	0.4	0.0	3.6	6	
13	88	10	0	-0	0	-0	0	3.1	0.3	0.4	0.0	3.4	6	
14	88	23	-1	-0	0	-0	0	7.5	0.4	0.6	0.0	7.9	1	
15	88	13	-0	-0	0	-0	0	4.2	0.2	0.4	0.0	4.4	6	
16	88	14	-0	-0	0	-0	0	4.4	0.1	0.4	0.0	4.5	6	
17	88	13	-0	-0	0	-0	0	4.1	0.2	0.4	0.0	4.3	1	

ASTA NUM. 107 NI 59 NF 60 Lungh. 119.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-41	1	-0	0	0	0	13.4	0.6	1.3	0.0	14.0	1	
1E	0	-36	1	-0	0	0	0	11.8	0.6	1.3	0.0	12.4	1	
1I	0	-40	1	-0	0	0	0	12.9	0.2	1.3	0.0	13.1	5	
1M	0	-38	1	-0	0	0	0	12.4	0.2	1.3	0.0	12.7	5	
2	0	-54	2	-0	0	-0	0	17.6	0.1	1.9	0.0	17.9	5	
3	0	-34	1	-0	0	-0	0	10.9	0.0	1.2	0.0	11.1	5	
4	0	-34	1	-0	0	0	0	10.9	0.0	1.2	0.0	11.1	5	
5	0	-34	1	-0	0	-0	0	11.0	0.0	1.2	0.0	11.2	5	
6	0	-54	2	-0	0	-0	0	17.7	0.1	1.9	0.0	18.0	5	
7	0	-34	1	-0	0	-0	0	10.9	0.0	1.2	0.0	11.1	5	
8	0	-34	1	-0	0	0	0	10.9	0.0	1.2	0.0	11.1	5	
9	0	-34	1	-0	0	-0	0	11.0	0.1	1.2	0.0	11.2	5	
10	0	-54	2	-0	0	-0	0	17.7	0.1	1.9	0.0	18.0	5	
11	0	-34	1	-0	0	-0	0	11.0	0.0	1.2	0.0	11.2	5	
12	0	-34	1	-0	0	0	0	11.0	0.0	1.2	0.0	11.2	5	
13	0	-34	1	-0	0	-0	0	11.0	0.1	1.2	0.0	11.2	5	
14	0	-58	2	-0	0	-0	-0	19.0	0.7	2.0	0.0	19.6	6	
15	0	-34	1	-0	0	-0	0	10.9	0.0	1.2	0.0	11.1	5	
16	0	-34	1	-0	0	0	0	11.0	0.0	1.2	0.0	11.2	5	
17	0	-34	1	-0	0	-0	0	11.0	0.1	1.2	0.0	11.2	5	
1A	60	-41	0	-0	0	0	0	13.4	28.0	0.0	0.0	41.4	6	
1E	60	-36	0	-0	0	0	0	11.8	28.0	0.0	0.0	39.8	6	
1I	60	-40	0	-0	0	0	0	12.9	27.7	0.0	0.0	40.6	6	
1M	60	-38	0	-0	0	0	0	12.4	27.7	0.0	0.0	40.1	6	
2	60	-54	0	-0	0	0	1	17.6	38.7	0.0	0.0	56.3	6	
3	60	-34	0	-0	0	0	0	10.9	24.3	0.0	0.0	35.2	6	
4	60	-34	0	-0	0	0	0	10.9	24.2	0.0	0.0	35.1	6	
5	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.2	6	
6	60	-54	0	-0	0	0	1	17.7	38.7	0.0	0.0	56.3	6	
7	60	-34	0	-0	0	0	0	10.9	24.3	0.0	0.0	35.2	6	
8	60	-34	0	-0	0	0	0	10.9	24.3	0.0	0.0	35.2	6	
9	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.2	6	
10	60	-54	0	-0	0	0	1	17.7	38.6	0.0	0.0	56.3	6	
11	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.2	6	
12	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.2	6	
13	60	-34	0	-0	0	0	0	11.0	24.1	0.0	0.0	35.1	6	
14	60	-58	0	-0	0	0	1	19.0	41.3	0.0	0.0	60.3	6	
15	60	-34	0	-0	0	0	0	10.9	24.2	0.0	0.0	35.2	6	
16	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.2	6	
17	60	-34	0	-0	0	0	0	11.0	24.2	0.0	0.0	35.1	6	
1A	120	-41	-1	-0	0	0	0	13.4	1.0	1.3	0.0	14.4	1	
1E	120	-36	-1	-0	0	0	0	11.8	1.0	1.3	0.0	12.8	1	
1I	120	-40	-1	-0	0	0	0	12.9	0.6	1.3	0.0	13.4	1	
1M	120	-38	-1	-0	0	0	0	12.4	0.6	1.3	0.0	12.9	1	
2	120	-54	-2	-0	0	0	0	17.6	0.5	1.9	0.0	18.1	1	
3	120	-34	-1	-0	0	0	0	10.9	0.4	1.2	0.0	11.3	1	
4	120	-34	-1	-0	0	0	0	10.9	0.3	1.2	0.0	11.3	1	
5	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.4	1	
6	120	-54	-2	-0	0	0	0	17.7	0.6	1.9	0.0	18.2	1	
7	120	-34	-1	-0	0	0	0	10.9	0.4	1.2	0.0	11.3	1	
8	120	-34	-1	-0	0	0	0	10.9	0.4	1.2	0.0	11.3	1	
9	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.4	1	
10	120	-54	-2	-0	0	0	0	17.7	0.5	1.9	0.0	18.2	1	
11	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.3	1	

12	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.3	1
13	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.4	1
14	120	-58	-2	-0	0	0	0	19.0	0.6	2.0	0.0	19.5	1
15	120	-34	-1	-0	0	0	0	10.9	0.4	1.2	0.0	11.3	1
16	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.4	1
17	120	-34	-1	-0	0	0	0	11.0	0.4	1.2	0.0	11.4	1

ASTA NUM. 108 NI 47 NF 61 Lungh. 88.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.5907	0.6477	--	--	1.6399	4.8782 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	20	1	0	0	0	-0	6.6	2.7	0.7	0.0	9.3	1	
1E	0	23	1	0	0	0	-0	7.6	2.7	0.7	0.0	10.4	1	
1I	0	19	1	0	0	0	-0	6.3	2.1	0.7	0.0	8.3	6	
1M	0	25	1	0	0	0	-0	8.0	2.1	0.7	0.0	10.0	6	
2	0	41	3	-0	0	0	-0	13.2	3.1	2.6	0.0	16.3	6	
3	0	25	2	-0	0	0	-0	8.1	2.3	1.6	0.0	10.4	1	
4	0	25	2	-0	0	0	-0	8.2	3.1	1.6	0.0	11.3	1	
5	0	25	2	-0	0	0	-0	8.0	2.3	1.6	0.0	10.3	1	
6	0	34	1	-0	0	0	-0	11.0	3.2	1.4	0.0	14.2	6	
7	0	20	1	0	0	0	-0	6.6	2.8	0.9	0.0	9.4	1	
8	0	21	1	0	0	0	-0	6.8	3.5	0.9	0.0	10.3	1	
9	0	20	1	0	0	0	-0	6.6	2.5	0.9	0.0	9.1	1	
10	0	41	3	-0	0	0	-0	13.5	3.2	2.6	0.0	16.7	6	
11	0	25	2	-0	0	0	-0	8.2	2.3	1.6	0.0	10.5	6	
12	0	26	2	-0	0	0	-0	8.4	3.1	1.6	0.0	11.5	1	
13	0	25	2	-0	0	0	-0	8.2	2.2	1.6	0.0	10.3	1	
14	0	36	2	-0	0	0	-0	11.7	3.1	1.4	0.0	14.8	6	
15	0	20	1	0	0	0	-0	6.7	2.7	0.9	0.0	9.4	1	
16	0	21	1	0	0	0	-0	6.9	3.5	0.9	0.0	10.4	1	
17	0	20	1	0	0	0	-0	6.6	2.4	0.9	0.0	9.0	1	
1A	44	21	0	0	0	0	0	6.9	9.8	0.0	0.0	16.6	6	
1E	44	24	0	0	0	0	0	7.9	9.8	0.0	0.0	17.7	6	
1I	44	20	0	0	0	0	0	6.5	9.6	0.0	0.0	16.1	6	
1M	44	25	0	0	0	0	0	8.2	9.6	0.0	0.0	17.8	6	
2	44	40	0	0	0	0	1	13.0	38.6	0.0	0.0	51.7	6	
3	44	25	0	0	0	0	0	8.0	24.4	0.0	0.0	32.3	6	
4	44	25	0	0	0	0	0	8.1	24.4	0.0	0.0	32.5	6	
5	44	24	0	0	0	0	0	7.9	24.3	0.0	0.0	32.2	6	
6	44	35	0	0	0	0	0	11.2	19.5	0.0	0.0	30.8	6	
7	44	21	0	0	0	0	0	6.8	12.5	0.0	0.0	19.3	6	
8	44	22	0	0	0	0	0	7.0	12.5	0.0	0.0	19.5	6	
9	44	21	0	0	0	0	0	6.7	12.4	0.0	0.0	19.1	6	
10	44	41	0	0	0	0	1	13.3	38.4	0.0	0.0	51.7	6	
11	44	25	0	0	0	0	0	8.1	24.2	0.0	0.0	32.4	6	
12	44	25	0	0	0	0	0	8.3	24.3	0.0	0.0	32.5	6	
13	44	25	0	0	0	0	0	8.1	24.2	0.0	0.0	32.2	6	
14	44	37	0	0	0	0	0	11.9	20.5	0.0	0.0	32.4	6	
15	44	21	0	0	0	0	0	6.8	12.5	0.0	0.0	19.3	6	
16	44	22	0	0	0	0	0	7.0	12.5	0.0	0.0	19.5	6	
17	44	21	0	0	0	0	0	6.7	12.4	0.0	0.0	19.1	6	
1A	88	22	-1	0	0	-0	0	7.1	0.7	0.7	0.0	7.8	1	
1E	88	25	-1	0	0	-0	0	8.1	0.7	0.7	0.0	8.8	1	
1I	88	21	-1	0	0	-0	0	6.8	0.2	0.7	0.0	7.0	1	
1M	88	26	-1	0	0	-0	0	8.5	0.2	0.7	0.0	8.7	1	
2	88	40	-3	0	0	-0	-0	12.9	0.6	2.5	0.0	13.7	4	
3	88	24	-2	0	0	-0	-0	7.9	0.4	1.6	0.0	8.4	4	
4	88	25	-2	0	0	-0	-0	8.0	0.4	1.6	0.0	8.6	4	
5	88	24	-2	0	0	-0	-0	7.8	0.6	1.6	0.0	8.4	4	
6	88	35	-1	0	0	-0	-0	11.5	0.4	1.3	0.0	11.9	6	
7	88	21	-1	0	0	-0	-0	6.9	0.3	0.8	0.0	7.2	6	
8	88	22	-1	0	0	-0	-0	7.1	0.3	0.8	0.0	7.4	6	
9	88	21	-1	0	0	-0	-0	6.9	0.6	0.8	0.0	7.5	6	
10	88	40	-3	0	0	-0	-0	13.1	0.8	2.5	0.0	14.0	4	
11	88	25	-2	0	0	-0	-0	8.0	0.5	1.6	0.0	8.6	4	
12	88	25	-2	0	0	-0	-0	8.2	0.6	1.6	0.0	8.7	4	
13	88	25	-2	0	0	-0	-0	8.0	0.7	1.6	0.0	8.7	6	
14	88	37	-1	0	0	-0	-0	12.2	0.6	1.4	0.0	12.7	6	
15	88	21	-1	0	0	-0	-0	6.9	0.3	0.8	0.0	7.3	6	
16	88	22	-1	0	0	-0	-0	7.2	0.4	0.8	0.0	7.6	6	
17	88	21	-1	0	0	-0	-0	6.9	0.6	0.8	0.0	7.5	6	

ASTA NUM. 109 NI 47 NF 62 Lungh. 88.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.5907	-0.6477	--	--	1.6399	-1.5985 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	14	1	0	0	0	0	4.5	1.9	0.6	0.0	6.4	6	
1E	0	17	1	0	0	0	0	5.5	1.9	0.6	0.0	7.4	6	
1I	0	13	1	0	0	0	0	4.2	1.5	0.7	0.0	5.6	6	
1M	0	18	1	0	0	0	0	5.8	1.5	0.7	0.0	7.3	6	
2	0	11	-1	-0	0	-0	0	3.7	2.2	0.7	0.0	6.0	6	
3	0	8	-0	-0	0	-0	0	2.5	1.7	0.4	0.0	4.2	1	
4	0	7	-0	-0	0	-0	0	2.4	2.3	0.4	0.0	4.7	1	
5	0	8	-0	-0	0	-0	0	2.7	1.9	0.4	0.0	4.6	1	
6	0	18	1	-0	0	-0	0	5.9	2.3	0.5	0.0	8.2	6	
7	0	12	0	-0	0	-0	0	3.9	2.0	0.3	0.0	6.0	1	
8	0	12	0	-0	0	-0	0	3.8	2.5	0.3	0.0	6.3	1	
9	0	13	0	-0	0	-0	0	4.2	1.9	0.3	0.0	6.1	1	
10	0	11	-1	-0	0	-0	0	3.6	2.4	0.7	0.0	5.9	6	
11	0	7	-0	-0	0	-0	0	2.4	1.6	0.4	0.0	4.0	6	
12	0	7	-0	-0	0	-0	0	2.3	2.2	0.4	0.0	4.6	1	
13	0	8	-0	-0	0	-0	0	2.6	1.7	0.4	0.0	4.3	1	
14	0	20	1	-0	0	-0	0	6.6	2.2	0.6	0.0	8.8	6	
15	0	12	0	-0	0	-0	0	3.9	2.0	0.3	0.0	5.9	1	
16	0	12	0	-0	0	-0	0	3.8	2.6	0.3	0.0	6.4	1	
17	0	13	0	-0	0	-0	0	4.2	1.9	0.3	0.0	6.1	1	
1A	44	15	-0	0	0	0	0	4.7	11.3	0.0	0.0	16.0	6	
1E	44	18	-0	0	0	0	0	5.8	11.3	0.0	0.0	17.0	6	
1I	44	14	-0	0	0	0	0	4.4	11.1	0.0	0.0	15.5	6	
1M	44	19	-0	0	0	0	0	6.1	11.1	0.0	0.0	17.2	6	
2	44	14	-0	-0	0	0	-0	4.6	9.8	0.0	0.0	14.4	6	
3	44	9	-0	-0	0	0	-0	3.0	6.1	0.0	0.0	9.1	6	
4	44	9	-0	-0	0	0	-0	3.0	6.0	0.0	0.0	9.0	6	
5	44	10	-0	-0	0	0	-0	3.3	6.2	0.0	0.0	9.5	6	
6	44	20	-0	-0	0	0	0	6.4	9.9	0.0	0.0	16.3	6	
7	44	13	-0	-0	0	-0	0	4.2	5.9	0.0	0.0	10.1	6	
8	44	13	-0	-0	0	-0	0	4.1	5.9	0.0	0.0	10.0	6	
9	44	14	-0	-0	0	-0	0	4.5	5.7	0.0	0.0	10.2	6	
10	44	14	-0	-0	0	0	-0	4.4	9.8	0.0	0.0	14.3	6	
11	44	9	-0	-0	0	0	-0	2.9	6.1	0.0	0.0	9.0	6	
12	44	9	-0	-0	0	0	-0	2.9	6.0	0.0	0.0	8.9	6	
13	44	10	-0	-0	0	0	-0	3.2	6.2	0.0	0.0	9.4	6	
14	44	22	-0	-0	0	0	0	7.1	10.9	0.0	0.0	17.9	6	
15	44	13	-0	-0	0	-0	0	4.2	5.8	0.0	0.0	10.1	6	
16	44	13	-0	-0	0	-0	0	4.1	5.9	0.0	0.0	10.0	6	
17	44	14	-0	-0	0	-0	0	4.5	5.7	0.0	0.0	10.2	6	
1A	88	15	-1	0	0	-0	0	5.0	0.2	0.7	0.0	5.2	1	
1E	88	19	-1	0	0	-0	0	6.0	0.2	0.7	0.0	6.3	1	
1I	88	14	-1	0	0	0	0	4.7	0.2	0.7	0.0	4.9	5	
1M	88	20	-1	0	0	0	0	6.4	0.2	0.7	0.0	6.6	1	
2	88	17	1	0	0	0	0	5.5	0.6	0.6	0.0	6.1	1	
3	88	11	0	0	0	0	0	3.6	0.4	0.4	0.0	4.0	1	
4	88	11	0	0	0	0	0	3.5	0.5	0.4	0.0	4.0	1	
5	88	12	0	0	0	0	0	3.8	0.3	0.4	0.0	4.2	1	
6	88	21	-1	0	0	0	0	6.9	0.6	0.6	0.0	7.5	1	
7	88	14	-0	-0	0	0	0	4.5	0.4	0.4	0.0	5.0	1	
8	88	14	-0	-0	0	0	0	4.4	0.5	0.4	0.0	4.9	1	
9	88	15	-0	-0	0	0	-0	4.8	0.4	0.4	0.0	5.2	1	
10	88	16	1	0	0	0	0	5.3	0.6	0.6	0.0	5.9	1	
11	88	11	0	0	0	0	0	3.5	0.4	0.4	0.0	3.9	1	
12	88	11	0	0	0	0	0	3.4	0.5	0.4	0.0	3.9	1	
13	88	11	0	0	0	0	0	3.7	0.3	0.4	0.0	4.0	1	
14	88	23	-1	0	0	0	-0	7.6	0.6	0.6	0.0	8.1	1	
15	88	14	-0	-0	0	0	0	4.5	0.4	0.4	0.0	5.0	1	
16	88	14	-0	-0	0	0	-0	4.5	0.5	0.4	0.0	5.0	1	
17	88	15	-0	-0	0	0	-0	4.8	0.4	0.4	0.0	5.2	1	

ASTA NUM. 110 NI 61 NF 62 Lungh. 119.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-42	1	0	0	0	0	13.5	0.7	1.3	0.0	14.2	1	
1E	0	-37	1	0	0	0	0	11.9	0.7	1.3	0.0	12.7	1	
1I	0	-40	1	0	0	0	0	12.9	0.3	1.3	0.0	13.3	5	
1M	0	-38	1	0	0	0	0	12.5	0.3	1.3	0.0	12.8	5	
2	0	-55	2	0	0	0	0	17.7	0.1	1.9	0.0	18.0	5	
3	0	-34	1	0	0	0	0	11.0	0.1	1.2	0.0	11.2	5	
4	0	-34	1	0	0	0	0	11.1	0.1	1.2	0.0	11.3	5	
5	0	-35	1	0	0	0	0	11.3	0.0	1.2	0.0	11.5	5	
6	0	-55	2	0	0	0	0	17.8	0.2	1.9	0.0	18.2	5	
7	0	-34	1	0	0	0	0	11.0	0.1	1.2	0.0	11.2	5	

8	0	-34	1	0	0	0	0	11.1	0.2	1.2	0.0	11.4	5
9	0	-35	1	0	0	0	0	11.4	0.1	1.2	0.0	11.6	5
10	0	-55	2	0	0	0	-0	17.8	0.7	1.9	0.0	18.6	6
11	0	-34	1	0	0	0	0	11.0	0.1	1.2	0.0	11.3	5
12	0	-34	1	0	0	0	0	11.2	0.1	1.2	0.0	11.4	5
13	0	-35	1	0	0	0	0	11.3	0.1	1.2	0.0	11.5	5
14	0	-59	2	0	0	0	-0	19.1	0.8	2.0	0.0	19.9	6
15	0	-34	1	0	0	0	0	11.0	0.1	1.2	0.0	11.2	5
16	0	-35	1	0	0	0	0	11.2	0.2	1.2	0.0	11.4	5
17	0	-35	1	0	0	0	0	11.3	0.1	1.2	0.0	11.6	5
1A	60	-42	0	0	0	0	0	13.5	27.8	0.0	0.0	41.3	6
1E	60	-37	0	0	0	0	0	11.9	27.8	0.0	0.0	39.7	6
1I	60	-40	0	0	0	0	0	12.9	27.6	0.0	0.0	40.5	6
1M	60	-38	0	0	0	0	0	12.5	27.6	0.0	0.0	40.0	6
2	60	-55	0	0	0	-0	1	17.7	38.6	0.0	0.0	56.3	6
3	60	-34	0	0	0	-0	0	11.0	24.1	0.0	0.0	35.1	6
4	60	-34	0	0	0	-0	0	11.1	24.1	0.0	0.0	35.2	6
5	60	-35	0	0	0	-0	0	11.3	24.0	0.0	0.0	35.3	6
6	60	-55	0	0	0	-0	1	17.8	38.6	0.0	0.0	56.3	6
7	60	-34	0	0	0	-0	0	11.0	24.1	0.0	0.0	35.1	6
8	60	-34	0	0	0	-0	0	11.1	24.1	0.0	0.0	35.2	6
9	60	-35	0	0	0	-0	0	11.4	23.9	0.0	0.0	35.3	6
10	60	-55	0	0	0	-0	1	17.8	38.5	0.0	0.0	56.3	6
11	60	-34	0	0	0	-0	0	11.0	24.1	0.0	0.0	35.1	6
12	60	-34	0	0	0	-0	0	11.2	24.0	0.0	0.0	35.2	6
13	60	-35	0	0	0	-0	0	11.3	23.9	0.0	0.0	35.3	6
14	60	-59	0	0	0	-0	1	19.1	41.2	0.0	0.0	60.3	6
15	60	-34	0	0	0	-0	0	11.0	24.1	0.0	0.0	35.1	6
16	60	-35	0	0	0	-0	0	11.2	24.0	0.0	0.0	35.2	6
17	60	-35	0	0	0	-0	0	11.3	23.9	0.0	0.0	35.3	6
1A	120	-42	-1	0	0	0	0	13.5	0.3	1.3	0.0	13.8	1
1E	120	-37	-1	0	0	0	0	11.9	0.3	1.3	0.0	12.3	4
1I	120	-40	-1	0	0	-0	0	12.9	0.1	1.3	0.0	13.2	5
1M	120	-38	-1	0	0	-0	0	12.5	0.1	1.3	0.0	12.7	5
2	120	-55	-2	0	0	-0	0	17.7	0.4	1.9	0.0	18.2	5
3	120	-34	-1	0	0	-0	0	11.0	0.2	1.2	0.0	11.2	5
4	120	-34	-1	0	0	-0	0	11.1	0.2	1.2	0.0	11.4	5
5	120	-35	-1	0	0	-0	0	11.3	0.2	1.2	0.0	11.5	5
6	120	-55	-2	0	0	-0	0	17.8	0.5	1.9	0.0	18.3	1
7	120	-34	-1	0	0	-0	0	11.0	0.2	1.2	0.0	11.3	5
8	120	-34	-1	0	0	-0	0	11.1	0.2	1.2	0.0	11.4	5
9	120	-35	-1	0	0	-0	0	11.4	0.2	1.2	0.0	11.6	5
10	120	-55	-2	0	0	-0	0	17.8	0.5	1.9	0.0	18.3	5
11	120	-34	-1	0	0	-0	0	11.0	0.2	1.2	0.0	11.3	5
12	120	-34	-1	0	0	-0	0	11.2	0.2	1.2	0.0	11.5	5
13	120	-35	-1	0	0	-0	0	11.3	0.2	1.2	0.0	11.6	5
14	120	-59	-2	0	0	-0	0	19.1	0.5	2.0	0.0	19.6	5
15	120	-34	-1	0	0	-0	0	11.0	0.2	1.2	0.0	11.3	5
16	120	-35	-1	0	0	-0	0	11.2	0.2	1.2	0.0	11.5	5
17	120	-35	-1	0	0	-0	0	11.3	0.2	1.2	0.0	11.6	5

ASTA NUM. 111 NI 165 NF 166 Lungh. 89.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7997	0.1999	--	--	2.1364	3.1360 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	157	1	-0	0	0	0	45.1	2.4	0.7	0.0	47.5	6	
1E	0	167	1	-0	0	0	0	47.9	2.4	0.7	0.0	50.4	6	
1I	0	160	1	-0	0	0	0	46.0	2.3	0.7	0.0	48.3	6	
1M	0	164	1	-0	0	0	0	47.0	2.3	0.7	0.0	49.3	6	
2	0	149	2	-3	0	0	0	42.6	4.9	2.8	0.0	47.4	6	
3	0	-396	1	-2	0	0	0	113.6	2.2	1.8	0.0	115.8	6	
4	0	106	1	-2	0	0	0	30.2	2.7	1.8	0.0	32.9	6	
5	0	244	1	-2	0	0	0	69.9	2.9	1.8	0.0	72.8	6	
6	0	244	1	-1	0	0	0	69.9	3.9	1.1	0.0	73.9	6	
7	0	-602	1	-1	0	-0	0	172.6	1.2	0.7	0.0	173.8	6	
8	0	191	1	-1	0	0	0	54.8	2.1	0.7	0.0	56.8	6	
9	0	366	1	-1	0	0	0	104.8	2.3	0.7	0.0	107.2	6	
10	0	223	2	-3	0	0	0	63.8	5.3	2.8	0.0	69.1	6	
11	0	-352	1	-2	0	0	0	100.7	2.4	1.8	0.0	103.2	6	
12	0	83	1	-2	0	0	0	23.8	2.9	1.8	0.0	26.7	6	
13	0	309	1	-2	0	0	0	88.4	3.1	1.8	0.0	91.6	6	
14	0	234	1	-1	0	0	0	67.0	4.0	1.2	0.0	71.0	6	
15	0	-610	1	-1	0	0	0	174.8	1.2	0.7	0.0	176.1	6	
16	0	74	1	-1	0	0	0	21.3	2.0	0.7	0.0	23.3	6	
17	0	389	1	-1	0	0	0	111.5	2.3	0.7	0.0	113.8	6	
1A	45	158	-0	-0	0	0	0	45.3	11.5	0.1	0.0	56.7	6	
1E	45	168	-0	-0	0	0	0	48.2	11.5	0.1	0.0	59.6	6	
1I	45	161	-0	-0	0	0	0	46.2	11.4	0.1	0.0	57.6	6	
1M	45	165	-0	-0	0	0	0	47.3	11.4	0.1	0.0	58.6	6	
2	45	149	-0	0	0	1	0	42.7	49.4	0.1	0.0	92.0	1	
3	45	-396	-0	0	0	0	0	113.5	30.1	0.1	0.0	143.6	1	
4	45	106	-0	0	0	1	0	30.3	30.5	0.1	0.0	60.8	1	
5	45	244	-0	0	0	1	0	70.0	30.8	0.1	0.0	100.7	1	
6	45	245	-0	-0	0	0	0	70.2	21.3	0.1	0.0	91.4	6	
7	45	-602	-0	-0	0	0	0	172.4	12.4	0.1	0.0	184.8	6	
8	45	192	-0	-0	0	0	0	54.9	13.1	0.1	0.0	68.1	6	
9	45	366	-0	-0	0	0	0	105.0	13.5	0.1	0.0	118.5	6	
10	45	223	-0	0	0	1	0	63.9	49.7	0.1	0.0	113.6	1	
11	45	-351	-0	0	0	1	0	100.7	30.3	0.1	0.0	131.0	1	
12	45	83	-0	0	0	1	0	23.9	30.7	0.1	0.0	54.6	1	
13	45	309	-0	0	0	1	0	88.5	31.0	0.1	0.0	119.5	1	
14	45	235	-0	-0	0	0	0	67.3	22.4	0.1	0.0	89.8	6	
15	45	-610	-0	-0	0	0	0	174.7	12.4	0.1	0.0	187.1	6	
16	45	75	-0	-0	0	0	0	21.4	13.1	0.1	0.0	34.5	6	
17	45	390	-0	-0	0	0	0	111.6	13.5	0.1	0.0	125.2	6	
1A	89	159	-1	-0	0	0	-0	45.5	3.1	0.9	0.0	48.6	1	
1E	89	169	-1	-0	0	0	-0	48.4	3.1	0.9	0.0	51.5	1	
1I	89	162	-1	-0	0	0	-0	46.4	3.1	0.9	0.0	49.5	1	
1M	89	166	-1	-0	0	0	-0	47.5	3.1	0.9	0.0	50.6	1	
2	89	149	-2	4	0	0	-0	42.8	4.0	2.9	0.0	46.8	6	
3	89	-396	-1	2	0	0	-0	113.4	2.5	1.8	0.0	115.9	6	
4	89	106	-1	2	0	0	-0	30.4	2.2	1.8	0.0	32.6	6	
5	89	244	-1	2	0	0	-0	70.0	2.0	1.8	0.0	72.0	6	
6	89	246	-2	1	0	0	-0	70.4	4.8	1.4	0.0	75.3	6	
7	89	-601	-1	1	0	0	-0	172.3	3.0	0.8	0.0	175.3	6	
8	89	192	-1	1	0	0	-0	55.1	2.7	0.8	0.0	57.8	6	
9	89	367	-1	1	0	0	-0	105.2	2.6	0.8	0.0	107.8	1	
10	89	223	-2	4	0	0	-0	64.0	4.3	2.9	0.0	68.3	6	
11	89	-351	-1	2	0	0	-0	100.6	2.6	1.8	0.0	103.2	6	
12	89	84	-1	2	0	0	-0	24.0	2.4	1.8	0.0	26.4	6	
13	89	309	-1	2	0	0	-0	88.6	2.2	1.8	0.0	90.7	6	
14	89	236	-2	1	0	0	-0	67.6	4.8	1.4	0.0	72.4	6	
15	89	-609	-1	1	0	0	-0	174.5	2.9	0.8	0.0	177.4	6	
16	89	75	-1	1	0	0	-0	21.6	2.6	0.8	0.0	24.2	6	
17	89	390	-1	1	0	0	-0	111.8	2.6	0.8	0.0	114.4	1	

ASTA NUM. 112 NI 164 NF 166 Lungh. 89.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7997	0.1999	--	--	2.1364	3.1360 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	268	1	0	0	-0	0	76.9	2.6	0.7	0.0	79.5	6	
1E	0	278	1	0	0	-0	0	79.8	2.6	0.7	0.0	82.4	6	
1I	0	272	1	0	0	-0	0	77.8	2.4	0.7	0.0	80.2	6	
1M	0	275	1	0	0	-0	0	78.9	2.4	0.7	0.0	81.3	6	
2	0	415	2	3	0	-0	0	118.9	5.4	2.8	0.0	124.4	6	
3	0	673	1	2	0	-0	0	192.8	3.9	1.8	0.0	196.7	1	
4	0	211	1	2	0	-0	0	60.5	3.5	1.8	0.0	64.1	1	
5	0	82	1	2	0	-0	0	23.6	3.6	1.8	0.0	27.2	1	
6	0	470	1	1	0	-0	0	134.7	4.4	1.1	0.0	139.1	6	
7	0	943	1	1	0	-0	0	270.2	3.4	0.7	0.0	273.6	6	
8	0	213	1	1	0	-0	0	61.0	2.7	0.7	0.0	63.7	6	
9	0	56	1	1	0	-0	0	16.1	2.7	0.7	0.0	18.7	6	
10	0	370	2	3	0	-0	0	106.0	5.6	2.8	0.0	111.7	6	
11	0	643	1	2	0	-0	0	184.3	3.9	1.8	0.0	188.2	1	
12	0	259	1	2	0	-0	0	74.2	3.6	1.8	0.0	77.9	1	
13	0	32	1	2	0	-0	0	9.2	3.6	1.8	0.0	12.8	1	
14	0	460	1	1	0	-0	0	131.8	4.4	1.2	0.0	136.3	6	
15	0	935	1	1	0	-0	0	267.9	3.4	0.7	0.0	271.4	6	
16	0	330	1	1	0	-0	0	94.4	2.8	0.7	0.0	97.3	6	
17	0	13	1	1	0	-0	0	3.8	2.6	0.7	0.0	6.4	6	
1A	45	269	-0	0	0	-0	0	77.1	11.6	0.1	0.0	88.7	6	
1E	45	279	-0	0	0	-0	0	80.0	11.6	0.1	0.0	91.6	6	
1I	45	272	-0	0	0	-0	0	78.0	11.5	0.1	0.0	89.5	6	
1M	45	276	-0	0	0	-0	0	79.1	11.5	0.1	0.0	90.6	6	
2	45	415	-0	-0	0	-1	0	119.0	49.8	0.1	0.0	168.9	1	
3	45	673	-0	-0	0	-1	0	192.9	31.4	0.1	0.0	224.3	1	
4	45	212	-0	-0	0	-1	0	60.6	31.2	0.1	0.0	91.8	1	
5	45	83	-0	-0	0	-1	0	23.7	31.2	0.1	0.0	54.9	1	
6	45	471	-0	0	0	-0	0	134.9	21.5	0.1	0.0	156.5	6	
7	45	943	-0	0	0	-0	0	270.3	14.0	0.1	0.0	284.3	6	
8	45	213	-0	0	0	-0	0	61.2	13.5	0.1	0.0	74.6	6	
9	45	57	-0	0	0	-0	0	16.2	13.4	0.1	0.0	29.6	6	
10	45	371	-0	-0	0	-1	0	106.2	50.0	0.1	0.0	156.2	1	
11	45	643	-0	-0	0	-1	0	184.4	31.5	0.1	0.0	215.9	1	
12	45	259	-0	-0	0	-1	0	74.3	31.3	0.1	0.0	105.6	1	
13	45	32	-0	-0	0	-1	0	9.3	31.2	0.1	0.0	40.5	1	
14	45	461	-0	0	0	-0	0	132.1	22.7	0.1	0.0	154.8	6	

15	45	936	-0	0	0	-0	0	268.1	14.1	0.1	0.0	282.2	6
16	45	330	-0	0	0	-0	0	94.6	13.6	0.1	0.0	108.2	6
17	45	14	-0	0	0	-0	0	4.0	13.3	0.1	0.0	17.3	6
1A	89	270	-1	0	0	-0	-0	77.4	3.3	0.9	0.0	80.7	1
1E	89	280	-1	0	0	-0	-0	80.2	3.3	0.9	0.0	83.5	1
1I	89	273	-1	0	0	-0	-0	78.3	3.4	0.9	0.0	81.6	1
1M	89	277	-1	0	0	-0	-0	79.3	3.4	0.9	0.0	82.7	1
2	89	416	-2	-4	0	-0	-0	119.1	4.0	2.9	0.0	123.2	6
3	89	673	-1	-2	0	-0	-0	192.9	2.2	1.8	0.0	195.1	6
4	89	212	-1	-2	0	-0	-0	60.7	2.3	1.8	0.0	63.0	6
5	89	83	-1	-2	0	-0	-0	23.8	2.5	1.8	0.0	26.3	6
6	89	472	-2	-1	0	-0	-0	135.2	4.8	1.4	0.0	140.0	1
7	89	944	-1	-1	0	-0	-0	270.5	2.8	0.8	0.0	273.3	1
8	89	214	-1	-1	0	-0	-0	61.3	2.8	0.8	0.0	64.2	6
9	89	57	-1	-1	0	-0	-0	16.4	3.0	0.8	0.0	19.4	6
10	89	371	-2	-4	0	-0	-0	106.3	4.3	2.9	0.0	110.6	6
11	89	644	-1	-2	0	-0	-0	184.4	2.4	1.8	0.0	186.8	6
12	89	260	-1	-2	0	-0	-0	74.4	2.5	1.8	0.0	76.8	6
13	89	33	-1	-2	0	-0	-0	9.3	2.6	1.8	0.0	12.0	6
14	89	462	-2	-1	0	-0	-0	132.4	4.8	1.4	0.0	137.2	1
15	89	936	-1	-1	0	-0	-0	268.3	2.8	0.8	0.0	271.0	1
16	89	331	-1	-1	0	-0	-0	94.8	2.8	0.8	0.0	97.6	1
17	89	14	-1	-1	0	-0	-0	4.1	3.0	0.8	0.0	7.1	6

ASTA NUM. 113 NI 162 NF 164 Lungh. 173.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6536	0.1634	--	--	2.2354	3.0524 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-255	2	0	0	-0	0	73.0	0.8	1.6	0.0	73.8	6	
1E	0	-241	2	0	0	-0	0	69.1	0.8	1.6	0.0	69.9	6	
1I	0	-251	2	0	0	-0	0	71.8	0.7	1.6	0.0	72.5	6	
1M	0	-246	2	0	0	-0	0	70.4	0.7	1.6	0.0	71.1	6	
2	0	-376	4	-7	0	-0	0	107.6	2.4	5.6	0.0	110.0	1	
3	0	-613	2	-4	0	-0	0	175.5	1.8	3.5	0.0	177.3	1	
4	0	-191	2	-4	0	-0	0	54.7	1.6	3.5	0.0	56.3	1	
5	0	-73	2	-4	0	-0	0	21.0	1.9	3.5	0.0	23.0	1	
6	0	-426	3	-2	0	-0	0	122.0	1.5	2.4	0.0	123.5	1	
7	0	-859	2	-1	0	-0	0	246.2	1.5	1.5	0.0	247.7	1	
8	0	-192	2	-1	0	-0	0	55.1	0.9	1.5	0.0	56.1	1	
9	0	-49	2	-1	0	-0	0	14.1	1.4	1.5	0.0	15.5	1	
10	0	-334	4	-7	0	-0	0	95.8	2.5	5.6	0.0	98.2	1	
11	0	-585	2	-4	0	-0	0	167.7	1.8	3.5	0.0	169.5	1	
12	0	-234	2	-4	0	-0	0	67.2	1.6	3.5	0.0	68.7	1	
13	0	-27	2	-4	0	-0	0	7.8	1.9	3.5	0.0	10.6	4	
14	0	-417	3	-2	0	-0	0	119.5	1.5	2.5	0.0	121.1	1	
15	0	-852	2	-1	0	-0	0	244.2	1.5	1.5	0.0	245.7	1	
16	0	-299	2	-1	0	-0	0	85.7	1.1	1.5	0.0	86.8	1	
17	0	-10	2	-1	0	-0	0	2.9	1.5	1.5	0.0	4.5	4	
1A	86	-254	-0	0	0	-0	1	72.6	42.0	0.0	0.0	114.7	6	
1E	86	-240	-0	0	0	-0	1	68.8	42.0	0.0	0.0	110.8	6	
1I	86	-249	-0	0	0	-0	1	71.4	42.0	0.0	0.0	113.4	6	
1M	86	-244	-0	0	0	-0	1	70.0	42.0	0.0	0.0	112.0	6	
2	86	-375	-0	0	0	3	2	107.4	174.3	0.0	0.0	281.7	1	
3	86	-612	-0	0	0	2	1	175.4	108.3	0.0	0.0	283.7	1	
4	86	-191	-0	0	0	2	1	54.6	108.7	0.0	0.0	163.3	1	
5	86	-73	-0	0	0	2	1	20.9	108.4	0.0	0.0	129.3	1	
6	86	-424	-0	0	0	1	1	121.5	76.5	0.0	0.0	198.0	6	
7	86	-858	-0	0	0	0	1	245.9	47.2	0.0	0.0	293.1	6	
8	86	-191	-0	0	0	0	1	54.8	47.6	0.0	0.0	102.5	6	
9	86	-48	-0	-0	0	0	1	13.8	47.5	0.0	0.0	61.3	6	
10	86	-333	-0	0	0	3	2	95.5	174.3	0.0	0.0	269.9	1	
11	86	-585	-0	0	0	2	1	167.6	108.3	0.0	0.0	275.9	1	
12	86	-234	-0	0	0	2	1	67.0	108.6	0.0	0.0	175.7	1	
13	86	-27	-0	0	0	2	1	7.6	108.5	0.0	0.0	116.1	1	
14	86	-415	-0	0	0	1	1	119.0	80.6	0.0	0.0	199.6	6	
15	86	-851	-0	0	0	0	1	243.9	47.2	0.0	0.0	291.1	6	
16	86	-298	-0	0	0	0	1	85.4	47.5	0.0	0.0	133.0	6	
17	86	-9	-0	-0	0	0	1	2.7	47.5	0.0	0.0	50.1	6	
1A	173	-252	-2	0	0	-0	-0	72.3	2.0	1.6	0.0	74.3	6	
1E	173	-239	-2	0	0	-0	-0	68.4	2.0	1.6	0.0	70.4	6	
1I	173	-248	-2	0	0	-0	-0	71.0	2.1	1.6	0.0	73.1	6	
1M	173	-243	-2	0	0	-0	-0	69.6	2.1	1.6	0.0	71.7	6	
2	173	-374	-4	7	0	-0	-0	107.2	4.7	5.6	0.0	111.9	1	
3	173	-612	-2	4	0	-0	-0	175.2	3.5	3.5	0.0	178.7	1	
4	173	-190	-2	4	0	-0	-0	54.5	3.1	3.5	0.0	57.6	1	
5	173	-72	-2	4	0	-0	-0	20.8	3.2	3.5	0.0	23.9	1	
6	173	-423	-3	2	0	-0	-0	121.1	3.9	2.5	0.0	125.0	6	
7	173	-857	-2	1	0	-0	-0	245.6	2.7	1.5	0.0	248.3	6	
8	173	-190	-2	1	0	-0	-0	54.6	2.5	1.5	0.0	57.0	6	
9	173	-47	-2	1	0	-0	-0	13.5	2.5	1.5	0.0	16.0	6	
10	173	-333	-4	7	0	-0	-0	95.3	4.9	5.6	0.0	100.2	6	
11	173	-584	-2	4	0	-0	-0	167.4	3.5	3.5	0.0	170.9	1	
12	173	-234	-2	4	0	-0	-0	66.9	3.2	3.5	0.0	70.1	1	
13	173	-26	-2	4	0	-0	-0	7.5	3.2	3.5	0.0	11.0	4	
14	173	-414	-3	2	0	-0	-0	118.5	4.0	2.6	0.0	122.5	6	
15	173	-850	-2	1	0	-0	-0	243.6	2.7	1.5	0.0	246.3	6	
16	173	-297	-2	1	0	-0	-0	85.2	2.5	1.5	0.0	87.7	6	
17	173	-8	-2	1	0	-0	-0	2.4	2.5	1.5	0.0	4.9	6	

ASTA NUM. 114 NI 163 NF 165 Lungh. 173.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6536	0.1634	--	--	2.2354	3.0524 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-153	2	-0	0	0	0	44.0	0.8	1.6	0.0	44.8	6	
1E	0	-140	2	-0	0	0	0	40.1	0.8	1.6	0.0	40.9	6	
1I	0	-149	2	-0	0	0	0	42.7	0.8	1.6	0.0	43.5	6	
1M	0	-144	2	-0	0	0	0	41.4	0.8	1.6	0.0	42.1	6	
2	0	-132	4	7	0	0	0	37.9	1.7	5.6	0.0	40.0	4	
3	0	364	2	4	0	0	0	104.2	1.0	3.5	0.0	105.2	6	
4	0	-95	2	4	0	0	0	27.2	0.8	3.5	0.0	28.3	4	
5	0	-221	2	4	0	0	0	63.4	0.7	3.5	0.0	64.1	6	
6	0	-219	3	2	0	0	0	62.9	1.4	2.4	0.0	64.3	6	
7	0	552	2	1	0	-0	0	158.1	1.5	1.5	0.0	159.7	6	
8	0	-173	2	1	0	-0	0	49.6	0.8	1.5	0.0	50.4	6	
9	0	-333	2	1	0	-0	0	95.4	0.9	1.5	0.0	96.2	6	
10	0	-200	4	7	0	0	0	57.2	1.9	5.6	0.0	59.1	1	
11	0	323	2	4	0	0	0	92.6	1.0	3.5	0.0	93.7	6	
12	0	-74	2	4	0	0	0	21.3	0.9	3.5	0.0	22.6	4	
13	0	-280	2	4	0	0	0	80.3	0.8	3.5	0.0	81.0	6	
14	0	-211	3	2	0	0	0	60.4	1.4	2.5	0.0	61.8	6	
15	0	559	2	1	0	-0	0	160.1	1.5	1.5	0.0	161.6	6	
16	0	-66	2	1	0	-0	0	19.0	0.8	1.5	0.0	19.8	6	
17	0	-354	2	1	0	-0	0	101.4	0.9	1.5	0.0	102.3	6	
1A	86	-152	-0	-0	0	0	1	43.6	42.1	0.0	0.0	85.7	6	
1E	86	-139	-0	-0	0	0	1	39.7	42.1	0.0	0.0	81.8	6	
1I	86	-148	-0	-0	0	0	1	42.3	42.0	0.0	0.0	84.4	6	
1M	86	-143	-0	-0	0	0	1	41.0	42.0	0.0	0.0	83.0	6	
2	86	-132	-0	-0	0	-3	2	37.7	175.1	0.0	0.0	212.8	1	
3	86	364	-0	-0	0	-2	1	104.4	110.2	0.0	0.0	214.5	1	
4	86	-94	-0	-0	0	-2	1	27.0	109.7	0.0	0.0	136.7	1	
5	86	-221	-0	-0	0	-2	1	63.3	109.7	0.0	0.0	173.0	1	
6	86	-218	-0	-0	0	-1	1	62.4	76.9	0.0	0.0	139.3	6	
7	86	553	-0	-0	0	-0	1	158.4	48.8	0.0	0.0	207.2	6	
8	86	-172	-0	-0	0	-0	1	49.3	48.3	0.0	0.0	97.6	6	
9	86	-332	-0	-0	0	-0	1	95.1	48.2	0.0	0.0	143.3	6	
10	86	-199	-0	-0	0	-3	2	57.0	174.9	0.0	0.0	231.8	1	
11	86	324	-0	-0	0	-2	1	92.7	110.0	0.0	0.0	202.7	1	
12	86	-74	-0	-0	0	-2	1	21.1	109.6	0.0	0.0	130.7	1	
13	86	-280	-0	-0	0	-2	1	80.1	109.6	0.0	0.0	189.7	1	
14	86	-209	-0	-0	0	-1	1	59.9	81.0	0.0	0.0	140.9	6	
15	86	560	-0	-0	0	-0	1	160.4	48.7	0.0	0.0	209.2	6	
16	86	-65	-0	-0	0	-0	1	18.8	48.2	0.0	0.0	67.0	6	
17	86	-353	-0	-0	0	-0	1	101.1	48.2	0.0	0.0	149.4	6	
1A	173	-151	-2	-0	0	0	-0	43.2	1.9	1.6	0.0	45.1	6	
1E	173	-137	-2	-0	0	0	-0	39.3	1.9	1.6	0.0	41.3	6	
1I	173	-146	-2	-0	0	0	-0	41.9	2.0	1.6	0.0	43.9	6	
1M	173	-142	-2	-0	0	0	-0	40.6	2.0	1.6	0.0	42.6	6	
2	173	-131	-4	-7	0	0	-0	37.5	4.3	5.6	0.0	41.8	6	
3	173	365	-2	-4	0	0	-0	104.5	2.3	3.5	0.0	106.8	6	
4	173	-94	-2	-4	0	0	-0	26.9	2.4	3.5	0.0	29.3	6	
5	173	-220	-2	-4	0	0	-0	63.2	2.5	3.5	0.0	65.7	6	
6	173	-216	-3	-2	0	0	-0	61.9	3.6	2.5	0.0	65.5	6	
7	173	554	-2	-1	0	-0	-0	158.7	1.9	1.5	0.0	160.6	6	
8	173	-171	-2	-1	0	0	-0	49.0	1.9	1.5	0.0	50.9	6	
9	173	-331	-2	-1	0	0	-0	94.8	2.0	1.5	0.0	96.8	6	
10	173	-198	-4	-7	0	0	-0	56.8	4.6	5.6	0.0	61.4	6	
11	173	324	-2	-4	0	0	-0	92.9	2.4	3.5	0.0	95.3	6	
12	173	-73	-2	-4	0	0	-0	21.0	2.6	3.5	0.0	23.6	6	
13	173	-279	-2	-4	0	0	-0	80.0	2.7	3.5	0.0	82.7	6	
14	173	-207	-3	-2	0	0	-0	59.4	3.7	2.6	0.0	63.2	6	
15	173	561	-2	-1	0	-0	-0	160.7	1.8	1.5	0.0	162.6	6	
16	173	-64	-2	-1	0	0	-0	18.5	1.9	1.5	0.0	20.4	6	
17	173	-352	-2	-1	0	0	-0	100.9	2.1	1.5	0.0	102.9	6	

ASTA NUM. 115 NI 162 NF 163 Lungh. 140.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.

		--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m			

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-87	2	0	0	-0	0	24.8	0.7	1.6	0.0	25.5	1	
1E	0	-85	2	0	0	-0	0	24.5	0.7	1.6	0.0	25.1	1	
1I	0	-88	2	0	0	-0	0	25.2	0.6	1.6	0.0	25.8	1	
1M	0	-84	2	0	0	-0	0	24.1	0.6	1.6	0.0	24.7	1	
2	0	-90	3	-6	0	-0	0	25.8	2.3	4.7	0.0	28.1	1	
3	0	-76	2	-4	0	-0	0	21.9	1.4	3.0	0.0	23.3	1	
4	0	-47	2	-4	0	-0	0	13.4	1.4	3.0	0.0	14.9	4	
5	0	-40	2	-4	0	-0	0	11.6	1.3	3.0	0.0	13.2	4	
6	0	-125	3	-1	0	-0	0	35.8	1.4	2.2	0.0	37.1	1	
7	0	-105	2	-1	0	-0	0	30.2	0.8	1.4	0.0	31.0	1	
8	0	-71	2	-1	0	-0	0	20.3	0.8	1.4	0.0	21.2	1	
9	0	-61	2	-1	0	-0	0	17.5	0.8	1.4	0.0	18.3	1	
10	0	-105	3	-6	0	-0	0	30.0	2.4	4.7	0.0	32.4	1	
11	0	-85	2	-4	0	-0	0	24.3	1.5	3.0	0.0	25.8	1	
12	0	-52	2	-4	0	-0	0	14.8	1.4	3.0	0.0	16.2	4	
13	0	-50	2	-4	0	-0	0	14.3	1.4	3.0	0.0	15.7	4	
14	0	-124	3	-1	0	-0	0	35.6	1.4	2.4	0.0	36.9	1	
15	0	-104	2	-1	0	-0	0	29.9	0.8	1.4	0.0	30.7	1	
16	0	-63	2	-1	0	-0	0	18.0	0.8	1.4	0.0	18.8	1	
17	0	-61	2	-1	0	-0	0	17.5	0.8	1.4	0.0	18.3	1	
1A	70	-87	-0	0	0	-0	1	24.8	34.5	0.0	0.0	59.3	6	
1E	70	-85	-0	0	0	-0	1	24.5	34.5	0.0	0.0	59.0	6	
1I	70	-88	-0	0	0	-0	1	25.2	34.5	0.0	0.0	59.7	6	
1M	70	-84	-0	0	0	-0	1	24.1	34.5	0.0	0.0	58.6	6	
2	70	-90	0	0	0	2	1	25.8	117.2	0.0	0.0	143.0	1	
3	70	-76	0	0	0	1	1	21.9	73.1	0.0	0.0	95.0	1	
4	70	-47	0	0	0	1	1	13.4	73.2	0.0	0.0	86.6	1	
5	70	-40	-0	-0	0	1	1	11.6	73.4	0.0	0.0	85.0	1	
6	70	-125	0	0	0	0	1	35.8	57.1	0.0	0.0	92.9	6	
7	70	-105	0	0	0	0	1	30.2	35.6	0.0	0.0	65.8	6	
8	70	-71	-0	0	0	0	1	20.3	35.7	0.0	0.0	56.0	6	
9	70	-61	-0	-0	0	0	1	17.5	35.8	0.0	0.0	53.3	6	
10	70	-105	0	0	0	2	1	30.0	117.2	0.0	0.0	147.2	1	
11	70	-85	0	0	0	1	1	24.3	73.1	0.0	0.0	97.5	1	
12	70	-52	0	0	0	1	1	14.8	73.3	0.0	0.0	88.1	1	
13	70	-50	-0	-0	0	1	1	14.3	73.3	0.0	0.0	87.6	1	
14	70	-124	0	0	0	0	1	35.6	60.5	0.0	0.0	96.1	6	
15	70	-104	0	0	0	0	1	29.9	35.6	0.0	0.0	65.5	6	
16	70	-63	0	0	0	0	1	18.0	35.7	0.0	0.0	53.7	6	
17	70	-61	-0	-0	0	0	1	17.5	35.7	0.0	0.0	53.2	6	
1A	140	-87	-2	0	0	-0	-0	24.8	0.8	1.6	0.0	25.6	1	
1E	140	-85	-2	0	0	-0	-0	24.5	0.8	1.6	0.0	25.3	1	
1I	140	-88	-2	0	0	-0	-0	25.2	0.6	1.6	0.0	25.8	1	
1M	140	-84	-2	0	0	-0	-0	24.1	0.6	1.6	0.0	24.7	1	
2	140	-90	-3	6	0	-0	0	25.8	2.4	4.7	0.0	28.2	1	
3	140	-76	-2	4	0	-0	0	21.9	1.6	3.0	0.0	23.5	1	
4	140	-47	-2	4	0	-0	0	13.4	1.5	3.0	0.0	14.9	4	
5	140	-40	-2	4	0	-0	0	11.6	1.3	3.0	0.0	13.2	4	
6	140	-125	-3	1	0	-0	0	35.8	1.4	2.2	0.0	37.2	1	
7	140	-105	-2	1	0	-0	0	30.2	1.1	1.4	0.0	31.3	1	
8	140	-71	-2	1	0	-0	0	20.3	0.9	1.4	0.0	21.2	1	
9	140	-61	-2	1	0	-0	0	17.5	0.7	1.4	0.0	18.2	1	
10	140	-105	-3	6	0	-0	0	30.0	2.4	4.7	0.0	32.4	1	
11	140	-85	-2	4	0	-0	0	24.3	1.7	3.0	0.0	26.0	1	
12	140	-52	-2	4	0	-0	0	14.8	1.5	3.0	0.0	16.3	1	
13	140	-50	-2	4	0	-0	0	14.3	1.3	3.0	0.0	15.7	4	
14	140	-124	-3	1	0	-0	0	35.6	1.4	2.4	0.0	37.0	1	
15	140	-104	-2	1	0	-0	0	29.9	1.1	1.4	0.0	31.0	1	
16	140	-63	-2	1	0	-0	0	18.0	0.8	1.4	0.0	18.9	1	
17	140	-61	-2	1	0	-0	0	17.5	0.7	1.4	0.0	18.2	1	

ASTA NUM. 116 NI 99 NF 162 Lungh. 83.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5168	0.1292	--	--	2.3326	2.9787 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	317	1	0	0	0	0	90.9	0.1	0.8	0.0	91.0	1	
1E	0	336	1	0	0	0	0	96.3	0.1	0.8	0.0	96.4	1	
1I	0	322	1	0	0	0	0	92.3	0.3	0.8	0.0	92.6	1	
1M	0	331	1	0	0	0	0	95.0	0.3	0.8	0.0	95.3	1	
2	0	449	2	3	0	0	-0	128.5	4.5	2.9	0.0	133.1	1	
3	0	652	1	2	0	0	-0	186.8	2.4	1.8	0.0	189.2	1	
4	0	229	1	2	0	0	-0	65.6	2.9	1.8	0.0	68.5	1	
5	0	113	1	2	0	0	-0	32.3	2.8	1.8	0.0	35.1	1	
6	0	535	1	1	0	0	0	153.3	1.0	1.2	0.0	154.3	1	
7	0	913	1	1	0	0	0	261.6	0.1	0.8	0.0	261.6	1	
8	0	258	1	1	0	0	0	74.0	0.6	0.8	0.0	74.6	1	
9	0	114	1	1	0	0	0	32.7	0.5	0.8	0.0	33.1	1	
10	0	428	2	3	0	0	-0	122.6	4.2	2.9	0.0	126.9	1	
11	0	637	1	2	0	0	-0	182.6	2.3	1.8	0.0	184.8	1	
12	0	275	1	2	0	0	-0	78.7	2.8	1.8	0.0	81.5	1	
13	0	81	1	2	0	0	-0	23.3	2.6	1.8	0.0	25.9	1	
14	0	526	2	1	0	0	0	150.8	0.6	1.3	0.0	151.4	1	
15	0	905	1	1	0	-0	0	259.4	0.2	0.8	0.0	259.6	1	
16	0	347	1	1	0	0	0	99.4	0.5	0.8	0.0	99.9	1	
17	0	78	1	1	0	0	0	22.4	0.1	0.8	0.0	22.5	1	
1A	42	318	0	0	0	-0	0	91.1	11.0	0.0	0.0	102.1	6	
1E	42	337	0	0	0	-0	0	96.5	11.0	0.0	0.0	107.5	6	
1I	42	323	0	0	0	-0	0	92.4	11.1	0.0	0.0	103.5	6	
1M	42	332	0	0	0	-0	0	95.1	11.1	0.0	0.0	106.2	6	
2	42	449	0	0	0	-1	0	128.6	42.0	0.2	0.0	170.6	1	
3	42	652	0	0	0	-0	0	186.9	26.8	0.1	0.0	213.7	1	
4	42	229	0	0	0	-0	0	65.6	26.3	0.1	0.0	92.0	1	
5	42	113	0	0	0	-0	0	32.3	26.5	0.1	0.0	58.8	1	
6	42	536	0	0	0	-0	0	153.5	19.7	0.1	0.0	173.2	6	
7	42	913	0	0	0	-0	0	261.7	12.7	0.0	0.0	274.4	6	
8	42	259	0	0	0	-0	0	74.1	12.4	0.0	0.0	86.5	6	
9	42	114	0	0	0	-0	0	32.8	12.5	0.0	0.0	45.3	6	
10	42	428	0	0	0	-1	0	122.7	42.2	0.1	0.0	164.9	1	
11	42	637	0	0	0	-0	0	182.6	26.9	0.1	0.0	209.5	1	
12	42	275	0	0	0	-0	0	78.8	26.4	0.1	0.0	105.1	1	
13	42	82	0	0	0	-0	0	23.4	26.6	0.1	0.0	50.0	1	
14	42	527	0	0	0	-0	0	151.0	21.0	0.0	0.0	172.0	6	
15	42	906	0	0	0	-0	0	259.5	12.8	0.0	0.0	272.3	6	
16	42	347	0	0	0	-0	0	99.6	12.5	0.0	0.0	112.0	6	
17	42	79	0	0	0	-0	0	22.6	12.7	0.0	0.0	35.3	6	
1A	84	318	-1	0	0	-0	0	91.3	1.1	0.8	0.0	92.4	1	
1E	84	337	-1	0	0	-0	0	96.7	1.1	0.8	0.0	97.8	1	
1I	84	323	-1	0	0	-0	0	92.6	1.2	0.8	0.0	93.8	1	
1M	84	333	-1	0	0	-0	0	95.3	1.2	0.8	0.0	96.5	1	
2	84	449	-2	-3	0	-0	0	128.7	4.6	2.6	0.0	133.3	1	
3	84	652	-1	-2	0	-0	0	186.9	3.6	1.6	0.0	190.5	1	
4	84	229	-1	-2	0	-0	0	65.7	3.1	1.6	0.0	68.8	1	
5	84	113	-1	-2	0	-0	0	32.4	3.4	1.6	0.0	35.8	1	
6	84	536	-1	-1	0	-0	0	153.7	2.4	1.2	0.0	156.1	1	
7	84	914	-1	-0	0	-0	0	261.8	2.5	0.7	0.0	264.4	1	
8	84	259	-1	-0	0	-0	0	74.2	1.8	0.7	0.0	76.0	1	
9	84	115	-1	-0	0	-0	0	32.9	2.1	0.7	0.0	35.0	1	
10	84	429	-2	-3	0	-0	0	122.8	4.6	2.6	0.0	127.4	1	
11	84	638	-1	-2	0	-0	0	182.7	3.5	1.6	0.0	186.2	1	
12	84	275	-1	-2	0	-0	0	78.8	3.1	1.6	0.0	81.9	1	
13	84	82	-1	-2	0	-0	0	23.4	3.4	1.6	0.0	26.8	1	
14	84	528	-2	-1	0	-0	0	151.3	2.5	1.3	0.0	153.7	1	
15	84	906	-1	-0	0	-0	0	259.7	2.6	0.7	0.0	262.2	1	
16	84	348	-1	-0	0	-0	0	99.7	1.8	0.7	0.0	101.5	1	
17	84	79	-1	-0	0	-0	0	22.7	2.2	0.7	0.0	24.9	1	

ASTA NUM. 117 NI 99 NF 163 Lungh. 83.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5168	0.1292	--	--	2.3326	2.9787 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	224	1	-0	0	0	0	64.2	0.2	0.8	0.0	64.4	1	
1E	0	243	1	-0	0	0	0	69.6	0.2	0.8	0.0	69.8	1	
1I	0	229	1	0	0	0	0	65.6	0.4	0.8	0.0	65.9	1	
1M	0	238	1	0	0	0	0	68.3	0.4	0.8	0.0	68.6	1	
2	0	225	2	-3	0	-0	-0	64.5	4.7	2.9	0.0	69.2	1	
3	0	-247	1	-2	0	-0	-0	70.7	2.7	1.8	0.0	73.4	1	
4	0	141	1	-2	0	-0	-0	40.3	2.9	1.8	0.0	43.2	1	
5	0	250	1	-2	0	-0	-0	71.6	3.6	1.8	0.0	75.3	1	
6	0	345	1	-1	0	-0	0	98.9	1.0	1.2	0.0	99.9	1	
7	0	-386	1	-1	0	-0	0	110.7	0.4	0.8	0.0	111.1	1	
8	0	241	1	-1	0	-0	0	69.0	0.4	0.8	0.0	69.4	1	
9	0	377	1	-1	0	-0	0	107.9	1.4	0.8	0.0	109.3	1	
10	0	304	2	-3	0	-0	-0	87.2	4.3	2.9	0.0	91.5	1	
11	0	-199	1	-2	0	-0	-0	57.0	2.5	1.8	0.0	59.6	1	
12	0	128	1	-2	0	-0	-0	36.5	2.7	1.8	0.0	39.2	1	
13	0	315	1	-2	0	-0	-0	90.3	3.4	1.8	0.0	93.7	1	
14	0	337	2	-1	0	-0	0	96.4	0.6	1.3	0.0	97.0	1	
15	0	-394	1	-1	0	-0	0	112.8	0.2	0.8	0.0	113.0	1	
16	0	133	1	-1	0	-0	0	38.2	0.3	0.8	0.0	38.5	1	
17	0	396	1	-1	0	-0	0	113.5	1.1	0.8	0.0	114.6	1	

1A	42	225	0	-0	0	0	0	64.4	10.9	0.0	0.0	75.2	6
1E	42	244	0	-0	0	0	0	69.8	10.9	0.0	0.0	80.6	6
1I	42	229	0	0	0	0	0	65.7	11.0	0.0	0.0	76.7	6
1M	42	239	0	0	0	0	0	68.4	11.0	0.0	0.0	79.4	6
2	42	225	0	-0	0	1	0	64.6	41.5	0.1	0.0	106.0	1
3	42	-246	0	-0	0	0	0	70.6	25.7	0.1	0.0	96.3	1
4	42	141	0	-0	0	0	0	40.4	25.8	0.1	0.0	66.2	1
5	42	250	0	-0	0	0	0	71.7	25.2	0.1	0.0	96.9	1
6	42	346	0	-0	0	0	0	99.1	19.5	0.0	0.0	118.6	6
7	42	-386	0	-0	0	0	0	110.5	12.0	0.0	0.0	122.6	6
8	42	241	0	-0	0	0	0	69.1	12.1	0.0	0.0	81.2	6
9	42	377	0	-0	0	0	0	108.0	11.6	0.0	0.0	119.6	6
10	42	305	0	-0	0	1	0	87.3	41.8	0.1	0.0	129.1	1
11	42	-199	0	-0	0	0	0	57.0	25.9	0.1	0.0	82.9	1
12	42	128	0	-0	0	0	0	36.6	25.9	0.1	0.0	62.5	1
13	42	316	0	-0	0	0	0	90.4	25.4	0.1	0.0	115.8	1
14	42	337	0	-0	0	0	0	96.7	20.7	0.0	0.0	117.4	6
15	42	-393	0	0	0	0	0	112.7	12.1	0.0	0.0	124.8	6
16	42	134	0	-0	0	0	0	38.3	12.1	0.0	0.0	50.4	6
17	42	396	0	-0	0	0	0	113.6	11.7	0.0	0.0	125.3	6
1A	84	225	-1	-0	0	0	0	64.5	0.7	0.8	0.0	65.2	6
1E	84	244	-1	-0	0	0	0	70.0	0.7	0.8	0.0	70.6	6
1I	84	230	-1	0	0	0	0	65.9	0.7	0.8	0.0	66.6	6
1M	84	239	-1	0	0	0	0	68.6	0.7	0.8	0.0	69.3	6
2	84	226	-2	3	0	0	0	64.6	3.7	2.6	0.0	68.4	1
3	84	-246	-1	2	0	0	0	70.6	1.8	1.6	0.0	72.3	6
4	84	141	-1	2	0	0	0	40.4	2.0	1.6	0.0	42.5	1
5	84	250	-1	2	0	0	0	71.7	1.7	1.6	0.0	73.4	1
6	84	347	-1	1	0	0	0	99.3	2.0	1.2	0.0	101.3	6
7	84	-385	-1	1	0	-0	0	110.4	1.0	0.7	0.0	111.4	6
8	84	242	-1	0	0	0	0	69.2	0.9	0.7	0.0	70.2	6
9	84	377	-1	0	0	0	0	108.1	0.6	0.7	0.0	108.7	6
10	84	305	-2	3	0	0	0	87.4	3.9	2.6	0.0	91.3	1
11	84	-199	-1	2	0	0	0	56.9	1.9	1.6	0.0	58.8	6
12	84	128	-1	2	0	0	0	36.6	2.1	1.6	0.0	38.8	1
13	84	316	-1	2	0	0	0	90.5	1.8	1.6	0.0	92.2	1
14	84	338	-2	1	0	0	0	96.9	2.1	1.3	0.0	99.0	6
15	84	-393	-1	1	0	-0	0	112.6	1.0	0.7	0.0	113.6	6
16	84	134	-1	0	0	0	0	38.4	1.0	0.7	0.0	39.4	6
17	84	397	-1	0	0	0	0	113.7	0.5	0.7	0.0	114.3	6

ASTA NUM. 118 NI 157 NF 158 Lungh. 173.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6536	-0.1634	--	--	2.2354	1.4183 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	221	2	0	0	0	-0	63.2	1.7	1.6	0.0	64.9	6	
1E	0	234	2	0	0	0	-0	67.1	1.7	1.6	0.0	68.8	6	
1I	0	225	2	0	0	0	-0	64.5	1.7	1.6	0.0	66.2	6	
1M	0	230	2	0	0	0	-0	65.8	1.7	1.6	0.0	67.6	6	
2	0	465	2	7	0	0	-0	133.3	3.0	5.6	0.0	136.3	1	
3	0	378	1	4	0	0	-0	108.2	1.9	3.5	0.0	110.1	1	
4	0	293	1	4	0	0	-0	83.8	2.2	3.5	0.0	86.0	1	
5	0	263	1	4	0	0	-0	75.4	1.7	3.5	0.0	77.1	1	
6	0	396	3	2	0	0	-0	113.4	2.9	2.1	0.0	116.3	6	
7	0	383	2	1	0	0	-0	109.7	1.6	1.3	0.0	111.3	6	
8	0	225	2	1	0	0	-0	64.4	1.7	1.3	0.0	66.1	1	
9	0	210	2	1	0	0	-0	60.3	1.7	1.3	0.0	62.0	6	
10	0	322	2	7	0	0	-0	92.3	3.1	5.6	0.0	95.4	6	
11	0	287	1	4	0	0	-0	82.3	1.9	3.5	0.0	84.2	1	
12	0	266	1	4	0	0	-0	76.2	2.2	3.5	0.0	78.4	1	
13	0	165	1	4	0	0	-0	47.3	1.8	3.5	0.0	49.2	6	
14	0	404	3	2	0	0	-0	115.8	2.9	2.3	0.0	118.8	6	
15	0	388	2	1	0	0	-0	111.0	1.6	1.3	0.0	112.6	6	
16	0	331	2	1	0	0	-0	94.9	1.7	1.3	0.0	96.6	1	
17	0	202	2	1	0	0	-0	57.8	1.7	1.3	0.0	59.5	6	
1A	86	222	0	0	0	0	1	63.6	42.5	0.0	0.0	106.1	6	
1E	86	236	0	0	0	0	1	67.5	42.5	0.0	0.0	110.0	6	
1I	86	226	0	0	0	0	1	64.9	42.4	0.0	0.0	107.3	6	
1M	86	231	0	0	0	0	1	66.2	42.4	0.0	0.0	108.7	6	
2	86	468	0	-0	0	-3	1	134.2	160.7	0.0	0.0	294.9	1	
3	86	380	0	-0	0	-2	1	108.8	100.3	0.0	0.0	209.1	1	
4	86	294	0	-0	0	-2	1	84.4	100.1	0.0	0.0	184.5	1	
5	86	265	0	-0	0	-2	0	76.0	100.5	0.0	0.0	176.5	1	
6	86	398	0	-0	0	-1	1	114.0	67.9	0.0	0.0	181.9	6	
7	86	384	0	-0	0	-0	1	110.1	42.4	0.0	0.0	152.5	6	
8	86	226	0	0	0	-0	1	64.7	42.4	0.0	0.0	107.1	6	
9	86	212	0	-0	0	-0	1	60.7	42.4	0.0	0.0	103.1	6	
10	86	325	0	-0	0	-3	1	93.2	160.9	0.0	0.0	254.0	1	
11	86	289	0	-0	0	-2	0	82.9	100.4	0.0	0.0	183.3	1	
12	86	268	0	-0	0	-2	1	76.7	100.2	0.0	0.0	176.9	1	
13	86	167	0	-0	0	-2	0	47.9	100.6	0.0	0.0	148.5	1	
14	86	407	0	-0	0	-1	1	116.5	72.1	0.0	0.0	188.6	6	
15	86	389	0	-0	0	-0	1	111.4	42.4	0.0	0.0	153.8	6	
16	86	333	0	0	0	-0	1	95.3	42.4	0.0	0.0	137.7	6	
17	86	203	0	-0	0	-0	1	58.2	42.4	0.0	0.0	100.6	6	
1A	173	223	-2	0	0	0	0	64.0	1.1	1.6	0.0	65.1	6	
1E	173	237	-2	0	0	0	0	67.9	1.1	1.6	0.0	69.0	6	
1I	173	228	-2	0	0	0	0	65.2	1.1	1.6	0.0	66.3	6	
1M	173	232	-2	0	0	0	0	66.6	1.1	1.6	0.0	67.7	6	
2	173	471	-2	-7	0	0	0	135.0	4.0	5.6	0.0	139.1	1	
3	173	382	-1	-4	0	0	0	109.3	2.6	3.5	0.0	111.9	1	
4	173	296	-1	-4	0	0	0	84.9	2.8	3.5	0.0	87.7	1	
5	173	267	-1	-4	0	0	0	76.6	2.4	3.5	0.0	78.9	1	
6	173	400	-2	-2	0	0	0	114.7	2.1	2.0	0.0	116.8	6	
7	173	386	-2	-1	0	0	0	110.5	1.3	1.3	0.0	111.9	1	
8	173	227	-2	-1	0	0	0	65.1	1.6	1.3	0.0	66.7	1	
9	173	213	-2	-1	0	0	0	61.1	1.1	1.3	0.0	62.2	6	
10	173	328	-2	-7	0	0	0	94.1	3.8	5.6	0.0	97.8	1	
11	173	291	-1	-4	0	0	0	83.4	2.4	3.5	0.0	85.8	1	
12	173	270	-1	-4	0	0	0	77.3	2.7	3.5	0.0	80.0	1	
13	173	169	-1	-4	0	0	0	48.4	2.2	3.5	0.0	50.6	1	
14	173	409	-3	-2	0	0	0	117.2	1.9	2.2	0.0	119.1	6	
15	173	390	-2	-1	0	0	0	111.8	1.2	1.3	0.0	113.1	1	
16	173	334	-2	-1	0	0	0	95.7	1.6	1.3	0.0	97.3	1	
17	173	205	-2	-1	0	0	0	58.6	1.1	1.3	0.0	59.7	6	

ASTA NUM. 119 NI 156 NF 160 Lungh. 173.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6536	-0.1634	--	--	2.2354	1.4183 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	120	2	0	0	-0	-0	34.3	1.7	1.6	0.0	35.9	6	
1E	0	133	2	0	0	-0	-0	38.2	1.7	1.6	0.0	39.8	6	
1I	0	124	2	0	0	-0	-0	35.5	1.7	1.6	0.0	37.3	6	
1M	0	129	2	0	0	-0	-0	36.9	1.7	1.6	0.0	38.6	6	
2	0	-7	2	-7	0	-0	-0	1.9	3.0	5.6	0.0	10.1	3	
3	0	-98	1	-4	0	-0	-0	28.1	1.8	3.5	0.0	29.9	6	
4	0	-25	1	-4	0	-0	-0	7.0	1.7	3.5	0.0	9.7	3	
5	0	-1	1	-4	0	-0	-0	0.2	1.8	3.5	0.0	6.1	3	
6	0	190	3	-2	0	-0	-0	54.4	2.9	2.1	0.0	57.3	6	
7	0	-27	2	-1	0	-0	-0	7.8	1.7	1.3	0.0	9.5	6	
8	0	127	2	-1	0	0	-0	36.3	1.7	1.3	0.0	37.9	6	
9	0	131	2	-1	0	-0	-0	37.4	1.7	1.3	0.0	39.2	6	
10	0	188	2	-7	0	-0	-0	53.9	3.1	5.6	0.0	57.0	6	
11	0	23	1	-4	0	-0	-0	6.5	1.9	3.5	0.0	9.3	4	
12	0	28	1	-4	0	-0	-0	8.0	1.8	3.5	0.0	10.6	3	
13	0	130	1	-4	0	-0	-0	37.2	1.9	3.5	0.0	39.0	6	
14	0	199	3	-2	0	-0	-0	56.9	2.9	2.3	0.0	59.9	6	
15	0	-23	2	-1	0	-0	-0	6.5	1.7	1.3	0.0	8.2	6	
16	0	20	2	-1	0	0	-0	5.7	1.8	1.3	0.0	7.5	6	
17	0	150	2	-1	0	-0	-0	43.1	1.7	1.3	0.0	44.8	6	
1A	86	121	0	0	0	-0	1	34.7	42.2	0.0	0.0	76.8	6	
1E	86	135	0	0	0	-0	1	38.5	42.2	0.0	0.0	80.7	6	
1I	86	125	0	0	0	-0	1	35.9	42.1	0.0	0.0	78.0	6	
1M	86	130	0	0	0	-0	1	37.3	42.1	0.0	0.0	79.4	6	
2	86	-4	0	0	0	3	1	1.1	161.2	0.0	0.0	162.3	1	
3	86	-96	0	0	0	2	0	27.6	100.8	0.0	0.0	128.3	1	
4	86	-23	0	0	0	2	0	6.5	101.0	0.0	0.0	107.5	1	
5	86	1	0	0	0	2	0	0.3	100.6	0.0	0.0	101.0	1	
6	86	192	0	0	0	1	1	55.1	67.9	0.0	0.0	123.0	6	
7	86	-26	0	0	0	0	1	7.4	42.4	0.0	0.0	49.8	6	
8	86	128	0	0	0	0	1	36.7	42.5	0.0	0.0	79.1	6	
9	86	132	0	0	0	0	1	37.9	42.4	0.0	0.0	80.3	6	
10	86	191	0	0	0	3	1	54.8	161.3	0.0	0.0	216.1	1	
11	86	25	0	0	0	2	0	7.0	100.8	0.0	0.0	107.9	1	
12	86	30	0	0	0	2	0	8.6	101.1	0.0	0.0	109.7	1	
13	86	132	0	0	0	2	0	37.8	100.7	0.0	0.0	138.4	1	
14	86	201	0	0	0	1	1	57.6	72.1	0.0	0.0	129.7	6	
15	86	-21	0	0	0	0	1	6.1	42.4	0.0	0.0	48.5	6	
16	86	21	0	0	0	0	1	6.1	42.5	0.0	0.0	48.6	6	
17	86	152	0	0	0	0	1	43.5	42.4	0.0	0.0	85.9	6	
1A	173	122	-2	0	0	-0	0	35.0	0.9	1.6	0.0	35.9	6	
1E	173	136	-2	0	0	-0	0	38.9	0.9	1.6	0.0	39.8	6	
1I	173	127	-2	0	0	-0	0	36.3	0.8	1.6	0.0	37.1	6	
1M	173	131	-2	0	0	-0	0	37.7	0.8	1.6	0.0	38.5	6	
2	173	-1	-2	7	0	-0	0	0.2	3.3	5.6	0.0	9.7	3	
3	173	-94	-1	4	0	-0	0	27.0	1.9	3.5	0.0	28.9	1	

4	173	-21	-1	4	0	-0	0	5.9	1.6	3.5	0.0	8.8	4
5	173	3	-1	4	0	-0	0	0.9	2.1	3.5	0.0	6.2	3
6	173	194	-2	2	0	-0	0	55.7	1.8	2.0	0.0	57.5	6
7	173	-24	-2	1	0	-0	0	7.0	0.9	1.3	0.0	7.9	6
8	173	129	-2	1	0	-0	0	37.1	0.7	1.3	0.0	37.8	6
9	173	134	-2	1	0	-0	0	38.3	1.1	1.3	0.0	39.4	6
10	173	194	-2	7	0	-0	0	55.7	3.4	5.6	0.0	59.0	1
11	173	26	-1	4	0	-0	0	7.6	1.9	3.5	0.0	10.3	4
12	173	32	-1	4	0	-0	0	9.2	1.6	3.5	0.0	11.5	4
13	173	134	-1	4	0	-0	0	38.3	2.1	3.5	0.0	40.4	1
14	173	203	-3	2	0	-0	0	58.3	1.7	2.2	0.0	59.9	6
15	173	-20	-2	1	0	-0	0	5.7	0.9	1.3	0.0	6.5	6
16	173	23	-2	1	0	-0	0	6.5	0.6	1.3	0.0	7.1	6
17	173	153	-2	1	0	-0	0	43.9	1.0	1.3	0.0	44.9	6

ASTA NUM. 120 NI 156 NF 157 Lungh. 140.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	77	2	0	0	-0	-0	22.1	0.9	1.6	0.0	23.0	6	
1E	0	78	2	0	0	-0	-0	22.4	0.9	1.6	0.0	23.4	6	
1I	0	76	2	0	0	-0	-0	21.7	1.0	1.6	0.0	22.7	6	
1M	0	80	2	0	0	-0	-0	22.8	1.0	1.6	0.0	23.8	6	
2	0	70	3	-6	0	-0	-0	20.0	2.6	4.7	0.0	22.8	4	
3	0	27	2	-4	0	-0	-0	7.8	1.6	3.0	0.0	10.0	4	
4	0	26	2	-4	0	-0	-0	7.4	1.5	3.0	0.0	9.6	4	
5	0	38	2	-4	0	-0	-0	10.8	1.6	3.0	0.0	12.6	4	
6	0	113	3	-1	0	-0	-0	32.3	1.8	2.2	0.0	34.1	6	
7	0	47	2	-1	0	-0	-0	13.5	1.1	1.4	0.0	14.6	6	
8	0	49	2	-1	0	-0	-0	13.9	1.0	1.4	0.0	14.9	6	
9	0	67	2	-1	0	-0	-0	19.2	1.1	1.4	0.0	20.3	1	
10	0	95	3	-6	0	-0	-0	27.2	2.7	4.7	0.0	29.9	1	
11	0	42	2	-4	0	-0	-0	12.0	1.6	3.0	0.0	13.7	4	
12	0	45	2	-4	0	-0	-0	13.0	1.7	3.0	0.0	14.7	4	
13	0	49	2	-4	0	-0	-0	14.1	1.7	3.0	0.0	15.8	1	
14	0	114	3	-1	0	-0	-0	32.5	1.8	2.4	0.0	34.3	6	
15	0	47	2	-1	0	-0	-0	13.5	1.1	1.4	0.0	14.6	6	
16	0	57	2	-1	0	-0	-0	16.2	1.1	1.4	0.0	17.3	6	
17	0	61	2	-1	0	-0	-0	17.4	1.0	1.4	0.0	18.4	1	
1A	70	77	-0	0	0	-0	1	22.1	33.7	0.0	0.0	55.8	6	
1E	70	78	-0	0	0	-0	1	22.4	33.7	0.0	0.0	56.1	6	
1I	70	76	-0	0	0	-0	1	21.7	33.7	0.0	0.0	55.4	6	
1M	70	80	-0	0	0	-0	1	22.8	33.7	0.0	0.0	56.5	6	
2	70	70	0	-0	0	2	1	20.0	117.1	0.0	0.0	137.1	1	
3	70	27	0	-0	0	1	1	7.8	73.2	0.0	0.0	81.0	1	
4	70	26	0	-0	0	1	1	7.4	73.2	0.0	0.0	80.6	1	
5	70	38	0	-0	0	1	1	10.8	73.2	0.0	0.0	84.0	1	
6	70	113	0	-0	0	0	1	32.3	55.9	0.0	0.0	88.2	6	
7	70	47	0	-0	0	0	1	13.5	35.0	0.0	0.0	48.5	6	
8	70	49	0	-0	0	0	1	13.9	35.0	0.0	0.0	48.9	6	
9	70	67	0	-0	0	0	1	19.2	34.9	0.0	0.0	54.1	6	
10	70	95	0	-0	0	2	1	27.2	116.9	0.0	0.0	144.0	1	
11	70	42	0	-0	0	1	1	12.0	73.1	0.0	0.0	85.1	1	
12	70	45	0	-0	0	1	1	13.0	73.1	0.0	0.0	86.1	1	
13	70	49	0	0	0	1	1	14.1	73.1	0.0	0.0	87.2	1	
14	70	114	0	-0	0	0	1	32.5	59.3	0.0	0.0	91.8	6	
15	70	47	0	-0	0	0	1	13.5	35.0	0.0	0.0	48.5	6	
16	70	57	0	-0	0	0	1	16.2	35.0	0.0	0.0	51.2	6	
17	70	61	0	-0	0	0	1	17.4	35.0	0.0	0.0	52.3	6	
1A	140	77	-2	0	0	-0	-0	22.1	1.2	1.6	0.0	23.3	6	
1E	140	78	-2	0	0	-0	-0	22.4	1.2	1.6	0.0	23.6	6	
1I	140	76	-2	0	0	-0	-0	21.7	1.0	1.6	0.0	22.7	6	
1M	140	80	-2	0	0	-0	-0	22.8	1.0	1.6	0.0	23.9	6	
2	140	70	-3	6	0	-0	-0	20.0	2.4	4.7	0.0	22.7	4	
3	140	27	-2	4	0	-0	-0	7.8	1.4	3.0	0.0	9.9	4	
4	140	26	-2	4	0	-0	-0	7.4	1.4	3.0	0.0	9.6	4	
5	140	38	-2	4	0	-0	-0	10.8	1.5	3.0	0.0	12.6	4	
6	140	113	-3	1	0	-0	-0	32.3	1.7	2.2	0.0	34.0	6	
7	140	47	-2	1	0	-0	-0	13.5	0.9	1.4	0.0	14.5	6	
8	140	49	-2	1	0	-0	-0	13.9	1.0	1.4	0.0	14.9	6	
9	140	67	-2	1	0	-0	-0	19.2	1.0	1.4	0.0	20.2	6	
10	140	95	-3	6	0	-0	-0	27.2	2.7	4.7	0.0	29.9	1	
11	140	42	-2	4	0	-0	-0	12.0	1.5	3.0	0.0	13.7	4	
12	140	45	-2	4	0	-0	-0	13.0	1.6	3.0	0.0	14.7	4	
13	140	49	-2	4	0	-0	-0	14.1	1.6	3.0	0.0	15.7	1	
14	140	114	-3	1	0	-0	-0	32.5	1.7	2.4	0.0	34.2	6	
15	140	47	-2	1	0	-0	-0	13.5	0.9	1.4	0.0	14.4	6	
16	140	57	-2	1	0	-0	-0	16.2	1.0	1.4	0.0	17.2	6	
17	140	61	-2	1	0	-0	-0	17.4	1.0	1.4	0.0	18.4	6	

ASTA NUM. 121 NI 108 NF 157 Lungh. 83.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5168	-0.1292	--	--	2.3326	1.6866 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-312	1	0	0	0	-0	89.5	2.1	0.8	0.0	91.6	1	
1E	0	-294	1	0	0	0	-0	84.1	2.1	0.8	0.0	86.2	1	
1I	0	-308	1	0	0	0	-0	88.2	2.2	0.8	0.0	90.4	1	
1M	0	-298	1	0	0	0	-0	85.5	2.2	0.8	0.0	87.7	1	
2	0	-514	1	-3	0	-0	0	147.3	2.7	2.8	0.0	150.0	1	
3	0	-382	1	-2	0	-0	0	109.4	2.1	1.8	0.0	111.5	1	
4	0	-302	1	-2	0	-0	0	86.4	1.9	1.8	0.0	88.3	1	
5	0	-289	1	-2	0	-0	0	82.8	1.8	1.8	0.0	84.7	1	
6	0	-500	1	-1	0	0	-0	143.4	1.7	1.1	0.0	145.1	1	
7	0	-410	1	-1	0	0	-0	117.5	0.6	0.7	0.0	118.1	6	
8	0	-266	1	-1	0	0	-0	76.1	0.8	0.7	0.0	76.9	6	
9	0	-275	1	-1	0	0	-0	78.7	0.9	0.7	0.0	79.6	6	
10	0	-412	1	-3	0	-0	0	118.0	2.5	2.8	0.0	120.5	1	
11	0	-316	1	-2	0	-0	0	90.5	1.9	1.8	0.0	92.4	1	
12	0	-300	1	-2	0	-0	0	86.0	1.6	1.8	0.0	87.7	1	
13	0	-212	1	-2	0	-0	0	60.8	1.8	1.8	0.0	62.6	1	
14	0	-509	1	-1	0	0	-0	145.8	1.3	1.1	0.0	147.1	6	
15	0	-414	1	-1	0	-0	0	118.6	0.0	0.7	0.0	118.6	1	
16	0	-373	1	-1	0	0	-0	106.9	0.7	0.7	0.0	107.7	6	
17	0	-259	1	-1	0	0	-0	74.2	0.7	0.7	0.0	74.8	6	
1A	42	-312	-0	0	0	0	0	89.4	9.8	0.0	0.0	99.1	6	
1E	42	-293	-0	0	0	0	0	83.9	9.8	0.0	0.0	93.7	6	
1I	42	-307	-0	0	0	0	0	88.0	9.9	0.0	0.0	97.9	6	
1M	42	-298	-0	0	0	0	0	85.3	9.9	0.0	0.0	95.2	6	
2	42	-513	-0	-0	0	1	0	146.9	38.9	0.1	0.0	185.9	1	
3	42	-381	-0	-0	0	0	0	109.2	24.2	0.1	0.0	133.4	1	
4	42	-301	-0	-0	0	0	0	86.2	24.4	0.1	0.0	110.6	1	
5	42	-288	-0	-0	0	0	0	82.6	24.2	0.1	0.0	106.8	1	
6	42	-499	-0	0	0	0	0	143.1	16.1	0.0	0.0	159.2	6	
7	42	-409	-0	-0	0	0	0	117.3	10.1	0.0	0.0	127.4	6	
8	42	-265	-0	-0	0	0	0	75.9	10.1	0.0	0.0	86.0	6	
9	42	-274	-0	0	0	0	0	78.5	10.0	0.0	0.0	88.5	6	
10	42	-410	-0	-0	0	1	0	117.6	39.0	0.1	0.0	156.6	1	
11	42	-315	-0	-0	0	0	0	90.2	24.2	0.1	0.0	114.5	1	
12	42	-299	-0	-0	0	0	0	85.8	24.5	0.1	0.0	110.3	1	
13	42	-211	-0	-0	0	0	0	60.6	24.2	0.1	0.0	84.8	1	
14	42	-508	-0	0	0	0	0	145.5	17.1	0.0	0.0	162.7	6	
15	42	-413	-0	-0	0	0	0	118.4	10.1	0.0	0.0	128.5	6	
16	42	-373	-0	-0	0	0	0	106.7	10.1	0.0	0.0	116.8	6	
17	42	-258	-0	-0	0	0	0	74.0	10.0	0.0	0.0	84.0	6	
1A	84	-311	-1	0	0	0	-0	89.2	1.1	0.8	0.0	90.2	6	
1E	84	-292	-1	0	0	0	-0	83.8	1.1	0.8	0.0	84.8	6	
1I	84	-307	-1	0	0	-0	-0	87.8	1.0	0.8	0.0	88.8	6	
1M	84	-297	-1	0	0	-0	-0	85.1	1.0	0.8	0.0	86.1	6	
2	84	-512	-1	3	0	0	-0	146.6	3.4	2.6	0.0	149.9	1	
3	84	-380	-1	2	0	0	-0	108.9	2.1	1.6	0.0	111.0	1	
4	84	-300	-1	2	0	0	-0	85.9	2.5	1.6	0.0	88.4	1	
5	84	-287	-1	2	0	0	-0	82.3	1.9	1.6	0.0	84.3	1	
6	84	-499	-1	1	0	0	-0	142.8	2.0	1.1	0.0	144.8	6	
7	84	-409	-1	1	0	0	-0	117.1	1.1	0.7	0.0	118.3	6	
8	84	-264	-1	1	0	0	-0	75.8	1.5	0.7	0.0	77.2	6	
9	84	-273	-1	1	0	0	-0	78.3	1.1	0.7	0.0	79.4	6	
10	84	-409	-1	3	0	0	-0	117.2	3.5	2.6	0.0	120.7	1	
11	84	-314	-1	2	0	0	-0	90.0	2.2	1.6	0.0	92.2	1	
12	84	-299	-1	2	0	0	-0	85.6	2.6	1.6	0.0	88.2	1	
13	84	-211	-1	2	0	0	-0	60.3	2.0	1.6	0.0	62.4	1	
14	84	-507	-1	1	0	0	-0	145.2	1.9	1.2	0.0	147.1	6	
15	84	-413	-1	1	0	0	-0	118.2	1.1	0.7	0.0	119.3	6	
16	84	-372	-1	1	0	0	-0	106.6	1.4	0.7	0.0	108.0	6	
17	84	-258	-1	1	0	0	-0	73.8	1.0	0.7	0.0	74.9	6	

ASTA NUM. 122 NI 108 NF 156 Lungh. 83.9 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5168	-0.1292	--	--	2.3326	1.6866 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-220	1	-0	0	-0	-0	62.9	1.7	0.8	0.0	64.6	1	
1E	0	-201	1	-0	0	-0	-0	57.5	1.7	0.8	0.0	59.2	1	

1I	0	-215	1	-0	0	-0	-0	61.5	1.5	0.8	0.0	63.1	1
1M	0	-205	1	-0	0	-0	-0	58.9	1.5	0.8	0.0	60.4	1
2	0	-80	1	3	0	0	0	22.9	2.4	2.8	0.0	25.3	1
3	0	56	1	2	0	0	0	16.1	1.6	1.8	0.0	17.7	1
4	0	-10	1	2	0	0	0	2.9	1.7	1.8	0.0	4.6	4
5	0	-46	1	2	0	0	0	13.2	1.2	1.8	0.0	14.5	1
6	0	-311	1	1	0	-0	-0	89.1	1.6	1.1	0.0	90.8	1
7	0	-33	1	0	0	-0	0	9.3	0.7	0.7	0.0	10.0	1
8	0	-176	1	0	0	-0	0	50.4	0.5	0.7	0.0	51.0	1
9	0	-201	1	0	0	-0	-0	57.7	1.4	0.7	0.0	59.1	1
10	0	-289	1	3	0	0	0	82.7	2.5	2.8	0.0	85.2	1
11	0	-72	1	2	0	0	0	20.7	1.7	1.8	0.0	22.4	1
12	0	-82	1	2	0	0	0	23.5	1.7	1.8	0.0	25.1	1
13	0	-180	1	2	0	0	0	51.5	1.3	1.8	0.0	52.9	1
14	0	-320	1	1	0	-0	-0	91.6	1.2	1.1	0.0	92.8	1
15	0	-36	1	1	0	-0	0	10.4	0.4	0.7	0.0	10.8	1
16	0	-87	1	0	0	-0	0	24.9	0.4	0.7	0.0	25.4	1
17	0	-212	1	1	0	-0	-0	60.7	1.0	0.7	0.0	61.7	1
1A	42	-219	-0	-0	0	-0	0	62.7	9.8	0.0	0.0	72.5	6
1E	42	-200	-0	-0	0	-0	0	57.3	9.8	0.0	0.0	67.1	6
1I	42	-214	-0	-0	0	-0	0	61.4	9.8	0.0	0.0	71.2	6
1M	42	-205	-0	-0	0	-0	0	58.7	9.8	0.0	0.0	68.5	6
2	42	-79	-0	0	0	-1	0	22.5	38.8	0.1	0.0	61.3	1
3	42	57	-0	0	0	-0	0	16.3	24.2	0.1	0.0	40.5	1
4	42	-9	-0	0	0	-0	0	2.7	24.0	0.1	0.0	26.7	1
5	42	-45	-0	0	0	-0	0	13.0	24.5	0.1	0.0	37.4	1
6	42	-310	-0	-0	0	-0	0	88.9	16.1	0.0	0.0	104.9	6
7	42	-32	-0	-0	0	-0	0	9.2	10.1	0.0	0.0	19.3	6
8	42	-175	-0	-0	0	-0	0	50.2	10.1	0.0	0.0	60.4	6
9	42	-201	-0	-0	0	-0	0	57.5	10.1	0.0	0.0	67.6	6
10	42	-287	-0	0	0	-1	0	82.3	38.8	0.1	0.0	121.1	1
11	42	-71	-0	0	0	-0	0	20.4	24.1	0.1	0.0	44.6	1
12	42	-81	-0	0	0	-0	0	23.2	24.0	0.0	0.0	47.2	1
13	42	-179	-0	0	0	-0	0	51.3	24.4	0.1	0.0	75.7	1
14	42	-319	-0	-0	0	-0	0	91.3	17.1	0.0	0.0	108.4	6
15	42	-36	-0	-0	0	-0	0	10.2	10.1	0.0	0.0	20.4	6
16	42	-86	-0	-0	0	-0	0	24.8	10.1	0.0	0.0	34.9	6
17	42	-211	-0	-0	0	-0	0	60.5	10.2	0.0	0.0	70.7	6
1A	84	-218	-1	-0	0	0	-0	62.6	1.0	0.8	0.0	63.6	6
1E	84	-199	-1	-0	0	0	-0	57.2	1.0	0.8	0.0	58.2	6
1I	84	-214	-1	-0	0	0	-0	61.2	0.9	0.8	0.0	62.1	6
1M	84	-204	-1	-0	0	0	-0	58.5	0.9	0.8	0.0	59.4	6
2	84	-77	-1	-3	0	-0	-0	22.1	3.0	2.7	0.0	25.1	6
3	84	58	-1	-2	0	-0	-0	16.6	1.8	1.7	0.0	18.4	6
4	84	-8	-1	-2	0	-0	-0	2.4	1.5	1.7	0.0	4.2	4
5	84	-44	-1	-2	0	-0	-0	12.7	1.9	1.7	0.0	14.7	1
6	84	-309	-1	-1	0	-0	-0	88.6	1.6	1.1	0.0	90.2	6
7	84	-31	-1	-1	0	0	-0	9.0	0.9	0.7	0.0	9.9	6
8	84	-175	-1	-1	0	0	-0	50.1	0.8	0.7	0.0	50.9	6
9	84	-200	-1	-1	0	-0	-0	57.3	1.1	0.7	0.0	58.4	6
10	84	-286	-1	-3	0	-0	-0	81.9	3.0	2.7	0.0	84.9	6
11	84	-71	-1	-2	0	-0	-0	20.2	1.8	1.7	0.0	22.0	6
12	84	-80	-1	-2	0	-0	-0	23.0	1.5	1.7	0.0	24.5	6
13	84	-178	-1	-2	0	-0	-0	51.1	1.9	1.7	0.0	53.0	1
14	84	-318	-1	-1	0	-0	-0	91.0	1.5	1.2	0.0	92.5	6
15	84	-35	-1	-1	0	0	-0	10.1	0.9	0.7	0.0	10.9	6
16	84	-86	-1	-1	0	0	-0	24.6	0.9	0.7	0.0	25.4	6
17	84	-211	-1	-1	0	-0	-0	60.3	1.0	0.7	0.0	61.3	6

ASTA NUM. 123 NI 158 NF 161 Lungh. 89.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7997	-0.1999	--	--	2.1364	1.1367 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-261	1	-0	0	0	-0	74.8	1.9	0.9	0.0	76.7	6	
1E	0	-251	1	-0	0	0	-0	71.9	1.9	0.9	0.0	73.8	6	
1I	0	-258	1	-0	0	0	-0	73.9	2.1	0.9	0.0	75.9	6	
1M	0	-254	1	-0	0	0	-0	72.8	2.1	0.9	0.0	74.9	6	
2	0	-520	1	-3	0	0	-0	149.1	5.2	2.8	0.0	154.3	6	
3	0	-420	1	-2	0	0	-0	120.4	3.2	1.8	0.0	123.7	6	
4	0	-327	1	-2	0	0	-0	93.7	3.3	1.8	0.0	97.0	6	
5	0	-295	1	-2	0	0	-0	84.5	3.0	1.8	0.0	87.6	6	
6	0	-444	1	-1	0	0	-0	127.3	4.1	1.1	0.0	131.4	6	
7	0	-426	1	-1	0	0	-0	122.0	2.5	0.7	0.0	124.5	6	
8	0	-253	1	-1	0	0	-0	72.4	2.7	0.7	0.0	75.0	6	
9	0	-237	1	-1	0	0	-0	67.9	2.3	0.7	0.0	70.2	6	
10	0	-365	1	-3	0	0	-0	104.5	5.2	2.8	0.0	109.7	6	
11	0	-322	1	-2	0	0	-0	92.2	3.2	1.8	0.0	95.4	6	
12	0	-298	1	-2	0	0	-0	85.5	3.4	1.8	0.0	88.9	6	
13	0	-188	1	-2	0	0	-0	53.9	3.0	1.8	0.0	56.9	6	
14	0	-454	1	-1	0	0	-0	130.2	4.0	1.2	0.0	134.2	6	
15	0	-431	1	-1	0	0	-0	123.5	2.5	0.7	0.0	126.0	6	
16	0	-370	1	-1	0	0	-0	105.9	2.7	0.7	0.0	108.6	6	
17	0	-228	1	-1	0	0	-0	65.2	2.2	0.7	0.0	67.4	6	
1A	45	-260	0	-0	0	0	0	74.6	11.3	0.1	0.0	85.8	6	
1E	45	-250	0	-0	0	0	0	71.7	11.3	0.1	0.0	83.0	6	
1I	45	-257	0	-0	0	0	0	73.7	11.2	0.1	0.0	84.8	6	
1M	45	-253	0	-0	0	0	0	72.6	11.2	0.1	0.0	83.8	6	
2	45	-519	0	0	0	1	0	148.6	44.7	0.1	0.0	193.3	1	
3	45	-419	0	0	0	1	0	120.1	27.8	0.1	0.0	148.0	1	
4	45	-326	0	0	0	1	0	93.4	28.0	0.1	0.0	121.4	1	
5	45	-294	0	0	0	1	0	84.2	27.7	0.1	0.0	112.0	1	
6	45	-443	0	-0	0	0	0	127.0	17.8	0.1	0.0	144.8	6	
7	45	-425	0	-0	0	0	0	121.8	11.0	0.1	0.0	132.7	6	
8	45	-252	0	-0	0	0	0	72.2	11.1	0.1	0.0	83.3	6	
9	45	-236	0	-0	0	0	0	67.7	11.1	0.1	0.0	78.8	6	
10	45	-363	0	0	0	1	0	104.0	44.6	0.1	0.0	148.6	1	
11	45	-321	0	0	0	1	0	91.9	27.8	0.1	0.0	119.7	1	
12	45	-297	0	0	0	1	0	85.2	28.0	0.1	0.0	113.2	1	
13	45	-187	0	0	0	1	0	53.6	27.7	0.1	0.0	81.3	1	
14	45	-453	0	-0	0	0	0	129.8	18.9	0.1	0.0	148.7	6	
15	45	-430	0	-0	0	0	0	123.2	11.0	0.1	0.0	134.2	6	
16	45	-369	0	-0	0	0	0	105.7	11.1	0.1	0.0	116.8	6	
17	45	-227	0	-0	0	0	0	65.0	11.1	0.1	0.0	76.1	6	
1A	89	-259	-1	-0	0	0	0	74.3	3.2	0.7	0.0	77.5	1	
1E	89	-249	-1	-0	0	0	0	71.5	3.2	0.7	0.0	74.6	1	
1I	89	-256	-1	-0	0	0	0	73.4	3.1	0.7	0.0	76.5	1	
1M	89	-253	-1	-0	0	0	0	72.4	3.1	0.7	0.0	75.4	1	
2	89	-517	-1	3	0	0	0	148.1	3.3	2.9	0.0	151.4	6	
3	89	-418	-0	2	0	0	0	119.8	1.8	1.8	0.0	121.6	6	
4	89	-325	-0	2	0	0	0	93.1	1.9	1.8	0.0	94.9	6	
5	89	-293	-0	2	0	0	0	83.9	1.8	1.8	0.0	85.7	6	
6	89	-442	-1	1	0	0	0	126.6	4.8	0.9	0.0	131.4	1	
7	89	-424	-1	1	0	0	0	121.5	2.7	0.6	0.0	124.3	1	
8	89	-251	-1	1	0	0	0	71.9	2.8	0.6	0.0	74.8	1	
9	89	-235	-1	1	0	0	0	67.4	2.7	0.6	0.0	70.2	1	
10	89	-361	-1	3	0	0	0	103.5	3.9	2.9	0.0	107.4	6	
11	89	-320	-0	2	0	0	0	91.6	2.2	1.8	0.0	93.7	6	
12	89	-296	-0	2	0	0	0	84.9	2.2	1.8	0.0	87.1	6	
13	89	-186	-0	2	0	0	0	53.2	2.2	1.8	0.0	55.4	6	
14	89	-452	-1	1	0	0	0	129.4	4.8	1.0	0.0	134.2	1	
15	89	-429	-1	1	0	0	0	123.0	2.7	0.6	0.0	125.7	1	
16	89	-368	-1	1	0	0	0	105.4	2.9	0.6	0.0	108.3	1	
17	89	-226	-1	1	0	0	0	64.8	2.7	0.6	0.0	67.4	1	

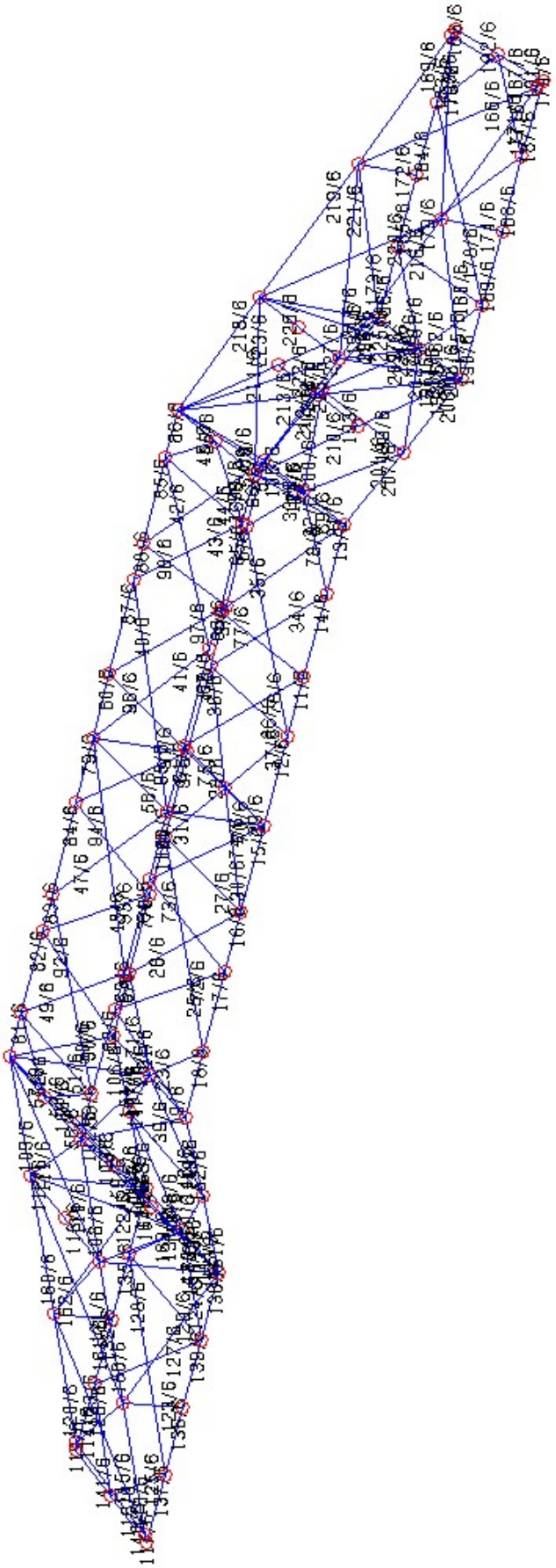
ASTA NUM. 124 NI 160 NF 161 Lungh. 89.5 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7997	-0.1999	--	--	2.1364	1.1367 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-150	1	0	0	0	-0	43.1	1.8	0.9	0.0	44.9	6	
1E	0	-140	1	0	0	0	-0	40.2	1.8	0.9	0.0	42.0	6	
1I	0	-147	1	0	0	0	-0	42.2	2.0	0.9	0.0	44.1	6	
1M	0	-143	1	0	0	0	-0	41.1	2.0	0.9	0.0	43.1	6	
2	0	-4	1	3	0	-0	-0	1.0	4.5	2.8	0.0	5.6	4	
3	0	101	1	2	0	-0	-0	28.9	2.5	1.8	0.0	31.4	6	
4	0	21	1	2	0	-0	-0	5.9	2.3	1.8	0.0	8.2	6	
5	0	-6	1	2	0	-0	-0	1.7	2.7	1.8	0.0	4.4	6	
6	0	-219	1	1	0	-0	-0	62.8	3.6	1.1	0.0	66.4	6	
7	0	23	1	1	0	-0	-0	6.7	1.9	0.7	0.0	8.6	6	
8	0	-145	1	1	0	0	-0	41.5	1.9	0.7	0.0	43.3	6	
9	0	-150	1	1	0	-0	-0	42.9	2.2	0.7	0.0	45.1	6	
10	0	-218	1	3	0	-0	-0	62.4	4.9	2.9	0.0	67.3	6	
11	0	-32	1	2	0	-0	-0	9.1	2.8	1.8	0.0	11.9	6	
12	0	-38	1	2	0	-0	-0	10.8	2.5	1.8	0.0	13.2	6	
13	0	-149	1	2	0	-0	-0	42.8	2.9	1.8	0.0	45.7	6	
14	0	-229	1	1	0	-0	-0	65.6	3.6	1.2	0.0	69.2	6	
15	0	18	1	1	0	-0	-0	5.2	1.8	0.7	0.0	7.0	6	
16	0	-28	1	1	0	0	-0	8.0	1.8	0.7	0.0	9.9	6	
17	0	-171	1	1	0	-0	-0	49.1	2.2	0.7	0.0	51.3	6	
1A	45	-150	0	0	0	-0	0	42.8	11.3	0.1	0.0	54.1	6	
1E	45	-139	0	0	0	-0	0	40.0	11.3	0.1	0.0	51.2	6	
1I	45	-146	0	0	0	-0	0	41.9	11.2	0.1	0.0	53.1	6	
1M	45	-143	0	0	0	-0	0	40.9	11.2	0.1	0.0	52.0	6	
2	45	-2	0	-0	0	-1	0	0.5	44.3	0.1	0.0	44.8	1	
3	45	102	0	-0	0	-1	0	29.2	27.6	0.1	0.0	56.8	1	
4	45	22	0	-0	0	-0	0	6.2	27.3	0.1	0.0	33.5	1	
5	45	-5	0	-0	0	-1	0	1.4	27.7	0.1	0.0	29.0	1	
6	45	-218	0	0	0	-0	0	62.4	17.9	0.1	0.0	80.3	6	

7	45	24	0	0	0	-0	0	6.9	11.2	0.1	0.0	18.1	6
8	45	-144	0	0	0	-0	0	41.3	11.1	0.1	0.0	52.3	6
9	45	-149	0	0	0	-0	0	42.7	11.2	0.1	0.0	53.8	6
10	45	-216	0	-0	0	-1	0	61.9	44.4	0.1	0.0	106.4	1
11	45	-31	0	-0	0	-1	0	8.8	27.6	0.1	0.0	36.4	1
12	45	-36	0	-0	0	-0	0	10.4	27.4	0.1	0.0	37.8	1
13	45	-148	0	-0	0	-1	0	42.4	27.7	0.1	0.0	70.1	1
14	45	-228	0	0	0	-0	0	65.2	19.0	0.1	0.0	84.2	6
15	45	19	0	0	0	-0	0	5.4	11.2	0.1	0.0	16.6	6
16	45	-27	0	0	0	-0	0	7.8	11.1	0.1	0.0	18.9	6
17	45	-171	0	0	0	-0	0	48.9	11.2	0.1	0.0	60.0	6
1A	89	-149	-1	0	0	-0	0	42.6	3.2	0.7	0.0	45.8	1
1E	89	-139	-1	0	0	-0	0	39.7	3.2	0.7	0.0	42.9	1
1I	89	-146	-1	0	0	-0	0	41.7	3.2	0.7	0.0	44.9	1
1M	89	-142	-1	0	0	-0	0	40.6	3.2	0.7	0.0	43.9	1
2	89	-0	-1	-3	0	-0	0	0.0	3.5	2.9	0.0	5.2	3
3	89	103	-0	-2	0	-0	0	29.5	2.0	1.8	0.0	31.6	6
4	89	23	-0	-2	0	-0	0	6.5	1.8	1.8	0.0	8.4	6
5	89	-4	-0	-2	0	-0	0	1.0	2.0	1.8	0.0	3.6	3
6	89	-217	-1	-1	0	-0	0	62.1	4.6	0.9	0.0	66.7	1
7	89	25	-1	-1	0	-0	0	7.1	2.5	0.6	0.0	9.7	1
8	89	-143	-1	-0	0	-0	0	41.0	2.4	0.6	0.0	43.4	1
9	89	-148	-1	-1	0	-0	0	42.5	2.8	0.6	0.0	45.2	1
10	89	-214	-1	-3	0	-0	0	61.4	3.9	2.9	0.0	65.3	6
11	89	-30	-0	-2	0	-0	0	8.5	2.3	1.8	0.0	10.8	6
12	89	-35	-0	-2	0	-0	0	10.1	2.1	1.8	0.0	12.2	6
13	89	-147	-0	-2	0	-0	0	42.1	2.2	1.8	0.0	44.4	6
14	89	-226	-1	-1	0	-0	0	64.9	4.6	1.0	0.0	69.5	1
15	89	20	-1	-1	0	-0	0	5.6	2.5	0.6	0.0	8.2	1
16	89	-27	-1	-0	0	-0	0	7.6	2.4	0.6	0.0	10.0	1
17	89	-170	-1	-1	0	-0	0	48.7	2.7	0.6	0.0	51.4	1

12 VERIFICA TRALICCI DELLE MENSOLE E DELLA TRAVE DI COLLEGAMENTO



Numero aste

Lavoro: **verifica traliccio fondazioni v1** Intestazione lavoro: **verifica traliccio EY 16**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **6** Descrizione: **Tralicci mensole e trave di collegamento**
Tabella: **tralicci 510**
Tipo acciaio: **S 355 (Fe 510)**

ASTA NUM. 1 NI 210 NF 211 Lungh. 66.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-3	1	0	0	0	0	1.1	0.8	0.9	0.0	2.1	5	
1E	0	-0	1	0	0	0	0	0.1	0.8	0.9	0.0	1.7	5	
1I	0	-2	1	0	0	0	0	0.7	1.0	0.9	0.0	1.9	4	
1M	0	-1	1	0	0	0	0	0.4	1.0	0.9	0.0	1.8	4	
2	0	-3	1	-3	0	-0	0	0.8	2.1	2.8	0.0	5.0	4	
3	0	-1	0	-2	0	-0	0	0.5	1.1	1.7	0.0	3.0	3	
4	0	-2	0	-2	0	-0	0	0.6	1.3	1.7	0.0	3.1	3	
5	0	-1	0	-2	0	-0	0	0.5	1.2	1.7	0.0	3.1	3	
6	0	-3	1	-0	0	0	0	1.0	0.3	1.2	0.0	2.3	5	
7	0	-2	1	-0	0	0	0	0.6	0.2	0.7	0.0	1.4	5	
8	0	-2	1	-0	0	0	0	0.7	0.3	0.7	0.0	1.5	5	
9	0	-2	1	-0	0	0	0	0.6	0.1	0.7	0.0	1.4	5	
10	0	-3	1	-3	0	-0	0	0.8	2.1	2.8	0.0	5.0	3	
11	0	-2	0	-2	0	-0	0	0.5	1.3	1.7	0.0	3.1	3	
12	0	-2	0	-2	0	-0	0	0.6	1.3	1.7	0.0	3.1	3	
13	0	-1	0	-2	0	-0	0	0.5	1.1	1.7	0.0	3.1	3	
14	0	-3	1	-0	0	0	0	1.0	0.4	1.2	0.0	2.4	5	
15	0	-2	1	-0	0	0	0	0.6	0.2	0.7	0.0	1.4	5	
16	0	-2	1	-0	0	0	0	0.7	0.3	0.7	0.0	1.5	5	
17	0	-2	1	-0	0	0	0	0.6	0.1	0.7	0.0	1.4	5	
1A	33	-3	0	0	0	-0	0	1.1	14.7	0.3	0.0	15.7	6	
1E	33	-0	0	0	0	-0	0	0.1	14.7	0.3	0.0	14.8	6	
1I	33	-2	0	0	0	-0	0	0.7	14.4	0.4	0.0	15.1	6	
1M	33	-1	0	0	0	-0	0	0.4	14.4	0.4	0.0	14.8	6	
2	33	-3	-0	-1	0	1	0	0.8	38.5	0.6	0.0	39.3	1	
3	33	-1	-0	-0	0	0	0	0.5	24.1	0.4	0.0	24.5	1	
4	33	-2	-0	-0	0	0	0	0.6	24.1	0.4	0.0	24.7	1	
5	33	-1	-0	-0	0	0	0	0.5	24.0	0.4	0.0	24.5	1	
6	33	-3	0	0	0	0	0	1.0	15.6	0.2	0.0	16.6	6	
7	33	-2	0	0	0	0	0	0.6	9.8	0.1	0.0	10.4	6	
8	33	-2	0	0	0	0	0	0.7	9.8	0.1	0.0	10.6	6	
9	33	-2	0	0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
10	33	-3	-0	-1	0	1	0	0.8	38.5	0.6	0.0	39.3	1	
11	33	-2	-0	-0	0	0	0	0.5	24.1	0.4	0.0	24.5	1	
12	33	-2	-0	-0	0	0	0	0.6	24.1	0.4	0.0	24.7	1	
13	33	-1	-0	-0	0	0	0	0.5	24.0	0.4	0.0	24.5	1	
14	33	-3	0	0	0	0	0	1.0	16.6	0.2	0.0	17.6	6	
15	33	-2	0	0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
16	33	-2	0	0	0	0	0	0.7	9.8	0.1	0.0	10.5	6	
17	33	-2	0	0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
1A	66	-3	-1	0	0	-0	0	1.1	16.1	0.6	0.0	17.2	1	
1E	66	-0	-1	0	0	-0	0	0.1	16.1	0.6	0.0	16.2	1	
1I	66	-2	-1	0	0	-0	0	0.7	17.8	0.6	0.0	18.5	1	
1M	66	-1	-1	0	0	-0	0	0.4	17.8	0.6	0.0	18.2	1	
2	66	-3	-2	2	0	0	-0	0.8	30.8	1.6	0.0	31.7	1	
3	66	-1	-1	1	0	0	-0	0.5	19.3	1.0	0.0	19.8	1	
4	66	-2	-1	1	0	0	-0	0.6	19.2	1.0	0.0	19.8	1	
5	66	-1	-1	1	0	0	-0	0.5	19.3	1.0	0.0	19.8	1	
6	66	-3	-1	1	0	-0	0	1.0	8.6	0.9	0.0	9.6	1	
7	66	-2	-1	0	0	-0	0	0.6	5.3	0.6	0.0	5.9	1	
8	66	-2	-1	0	0	-0	0	0.7	5.4	0.6	0.0	6.1	1	
9	66	-2	-1	0	0	-0	0	0.6	5.3	0.6	0.0	5.9	1	
10	66	-3	-2	2	0	0	-0	0.8	30.8	1.6	0.0	31.7	1	
11	66	-2	-1	1	0	0	-0	0.5	19.3	1.0	0.0	19.8	1	
12	66	-2	-1	1	0	0	-0	0.6	19.3	1.0	0.0	19.9	1	
13	66	-1	-1	1	0	0	-0	0.5	19.3	1.0	0.0	19.8	1	
14	66	-3	-1	1	0	-0	0	1.0	10.0	1.0	0.0	11.0	1	
15	66	-2	-1	0	0	-0	0	0.6	5.3	0.6	0.0	5.9	1	
16	66	-2	-1	0	0	-0	0	0.7	5.3	0.6	0.0	6.1	1	
17	66	-2	-1	0	0	-0	0	0.6	5.3	0.6	0.0	5.8	1	

ASTA NUM. 2 NI 211 NF 209 Lungh. 66.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-3	1	-0	0	-0	0	1.0	14.7	0.5	0.0	15.7	1	
1E	0	-0	1	-0	0	-0	0	0.1	14.7	0.5	0.0	14.8	1	
1I	0	-2	1	-0	0	-0	0	0.7	14.2	0.5	0.0	14.9	6	
1M	0	-1	1	-0	0	-0	0	0.4	14.2	0.5	0.0	14.6	6	
2	0	-2	2	-2	0	0	-0	0.8	30.5	1.6	0.0	31.3	1	
3	0	-1	1	-1	0	0	-0	0.5	19.1	1.0	0.0	19.6	1	
4	0	-1	1	-1	0	0	-0	0.3	19.1	1.0	0.0	19.5	1	
5	0	-1	1	-1	0	0	-0	0.5	19.1	1.0	0.0	19.5	1	
6	0	-3	1	-1	0	-0	0	0.9	8.7	0.9	0.0	9.6	1	
7	0	-2	1	-0	0	-0	0	0.6	5.4	0.6	0.0	6.0	1	
8	0	-1	1	-0	0	-0	0	0.4	5.4	0.6	0.0	5.8	1	
9	0	-2	1	-0	0	-0	0	0.6	5.5	0.6	0.0	6.0	1	
10	0	-2	2	-2	0	0	-0	0.8	30.6	1.6	0.0	31.4	1	
11	0	-1	1	-1	0	0	-0	0.5	19.1	1.0	0.0	19.6	1	
12	0	-1	1	-1	0	0	-0	0.3	19.2	1.0	0.0	19.5	1	
13	0	-1	1	-1	0	0	-0	0.5	19.1	1.0	0.0	19.6	1	
14	0	-3	1	-1	0	-0	0	0.9	10.1	1.0	0.0	11.0	1	
15	0	-2	1	-0	0	-0	0	0.6	5.4	0.6	0.0	6.0	1	
16	0	-1	1	-0	0	-0	0	0.4	5.3	0.6	0.0	5.7	1	
17	0	-2	1	-0	0	-0	0	0.6	5.4	0.6	0.0	6.0	1	
1A	33	-3	-0	-0	0	-0	0	1.0	14.9	0.3	0.0	15.9	6	
1E	33	-0	-0	-0	0	-0	0	0.1	14.9	0.3	0.0	15.0	6	
1I	33	-2	-0	-0	0	-0	0	0.7	15.2	0.3	0.0	15.9	6	
1M	33	-1	-0	-0	0	-0	0	0.4	15.2	0.3	0.0	15.6	6	
2	33	-2	0	1	0	1	0	0.8	38.4	0.6	0.0	39.1	1	
3	33	-1	0	0	0	0	0	0.5	23.9	0.4	0.0	24.4	1	
4	33	-1	0	0	0	0	0	0.3	23.9	0.4	0.0	24.3	1	
5	33	-1	0	0	0	0	0	0.5	24.0	0.4	0.0	24.5	1	
6	33	-3	-0	-0	0	0	0	0.9	15.6	0.1	0.0	16.5	6	
7	33	-2	-0	-0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
8	33	-1	-0	-0	0	0	0	0.4	9.6	0.1	0.0	10.1	6	
9	33	-2	-0	-0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
10	33	-2	0	1	0	1	0	0.8	38.4	0.6	0.0	39.1	1	
11	33	-1	0	0	0	0	0	0.5	23.9	0.4	0.0	24.4	1	
12	33	-1	0	0	0	0	0	0.3	23.9	0.4	0.0	24.3	1	
13	33	-1	0	0	0	0	0	0.5	24.0	0.4	0.0	24.5	1	
14	33	-3	-0	-0	0	0	0	0.9	16.5	0.2	0.0	17.4	6	
15	33	-2	-0	-0	0	0	0	0.6	9.7	0.1	0.0	10.2	6	
16	33	-1	-0	-0	0	0	0	0.4	9.6	0.1	0.0	10.0	6	
17	33	-2	-0	-0	0	0	0	0.6	9.7	0.1	0.0	10.3	6	
1A	66	-3	-1	-0	0	0	-0	1.0	0.6	1.0	0.0	2.1	5	
1E	66	-0	-1	-0	0	0	-0	0.1	0.6	1.0	0.0	1.7	5	
1I	66	-2	-1	-0	0	0	-0	0.7	0.5	1.0	0.0	1.9	5	
1M	66	-1	-1	-0	0	0	-0	0.4	0.5	1.0	0.0	1.8	5	
2	66	-2	-1	3	0	-0	0	0.8	2.1	2.8	0.0	4.9	4	
3	66	-1	-0	2	0	-0	0	0.5	1.2	1.7	0.0	3.1	4	
4	66	-1	-0	2	0	-0	0	0.3	1.2	1.7	0.0	3.0	3	
5	66	-1	-0	2	0	-0	0	0.5	1.1	1.7	0.0	3.0	3	
6	66	-3	-1	0	0	0	0	0.9	0.2	1.2	0.0	2.2	5	
7	66	-2	-1	0	0	0	0	0.6	0.0	0.7	0.0	1.4	5	
8	66	-1	-1	0	0	-0	0	0.4	0.0	0.7	0.0	1.3	5	
9	66	-2	-1	0	0	0	0	0.6	0.2	0.7	0.0	1.4	5	
10	66	-2	-1	3	0	-0	0	0.8	2.1	2.8	0.0	4.9	4	
11	66	-1	-0	2	0	-0	0	0.5	1.2	1.7	0.0	3.1	4	
12	66	-1	-0	2	0	-0	0	0.3	1.3	1.7	0.0	3.0	3	
13	66	-1	-0	2	0	-0	0	0.5	1.1	1.7	0.0	3.0	3	
14	66	-3	-1	0	0	0	0	0.9	0.2	1.3	0.0	2.4	5	
15	66	-2	-1	0	0	0	0	0.6	0.0	0.7	0.0	1.4	5	
16	66	-1	-1	0	0	-0	0	0.4	0.0	0.7	0.0	1.3	5	
17	66	-2	-1	0	0	0	0	0.6	0.2	0.7	0.0	1.4	5	

ASTA NUM. 3 NI 176 NF 189 Lungh. 39.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	6893	8	3	0	0	-1	495.9	6.9	1.6	0.0	502.8	6	
1E	0	6959	8	3	0	0	-1	500.7	6.9	1.6	0.0	507.6	6	
1I	0	6895	8	2	0	0	-1	496.1	6.6	1.6	0.0	502.6	6	
1M	0	6957	8	2	0	0	-1	500.5	6.6	1.6	0.0	507.0	6	
2	0	8826	11	2	0	0	-1	635.0	8.4	2.3	0.0	643.4	6	

3	0	5168	7	1	0	0	-1	371.8	5.4	1.4	0.0	377.2	6
4	0	4734	7	1	0	0	-1	340.6	5.5	1.4	0.0	346.1	6
5	0	5744	7	1	0	0	-1	413.2	5.1	1.4	0.0	418.4	6
6	0	11190	11	3	0	0	-1	805.0	8.6	2.3	0.0	813.6	6
7	0	6657	7	2	0	0	-1	478.9	5.5	1.4	0.0	484.4	6
8	0	5943	7	1	0	0	-1	427.6	5.6	1.4	0.0	433.2	6
9	0	7254	7	2	0	0	-1	521.9	5.1	1.4	0.0	527.0	6
10	0	9234	11	3	0	0	-1	664.3	7.9	2.2	0.0	672.2	6
11	0	5480	7	1	0	0	-1	394.2	5.1	1.4	0.0	399.3	6
12	0	5845	7	1	0	0	-1	420.5	5.2	1.4	0.0	425.7	6
13	0	5611	7	2	0	0	-1	403.7	5.0	1.4	0.0	408.6	6
14	0	10260	12	3	0	0	-1	738.1	8.9	2.4	0.0	747.0	6
15	0	6107	7	2	0	0	-1	439.4	5.2	1.4	0.0	444.6	6
16	0	6794	7	2	0	0	-1	488.8	5.3	1.4	0.0	494.1	6
17	0	5979	7	2	0	0	-1	430.1	5.1	1.4	0.0	435.2	6
1A	20	6893	6	3	0	-0	0	495.9	2.8	1.2	0.0	498.7	6
1E	20	6959	6	3	0	-0	0	500.7	2.8	1.2	0.0	503.5	6
1I	20	6895	6	2	0	-0	0	496.1	2.9	1.2	0.0	499.0	6
1M	20	6957	6	2	0	-0	0	500.5	2.9	1.2	0.0	503.4	6
2	20	8826	8	2	0	-0	1	635.0	4.5	1.7	0.0	639.4	6
3	20	5168	5	1	0	-0	0	371.8	2.6	1.0	0.0	374.4	6
4	20	4734	5	1	0	-0	0	340.6	2.4	1.0	0.0	342.9	6
5	20	5744	5	1	0	-0	0	413.2	2.9	1.0	0.0	416.2	6
6	20	11190	8	3	0	-0	1	805.0	4.7	1.7	0.0	809.7	6
7	20	6657	5	2	0	-0	0	478.9	2.7	1.1	0.0	481.6	6
8	20	5943	5	1	0	-0	0	427.6	2.4	1.0	0.0	429.9	6
9	20	7254	5	2	0	-0	0	521.9	3.2	1.0	0.0	525.0	6
10	20	9234	8	3	0	-0	1	664.3	4.7	1.6	0.0	669.0	6
11	20	5480	5	1	0	-0	0	394.2	2.8	1.0	0.0	397.0	6
12	20	5845	5	1	0	-0	0	420.5	2.7	1.0	0.0	423.2	6
13	20	5611	5	2	0	-0	0	403.7	3.0	1.0	0.0	406.6	6
14	20	10260	9	3	0	-0	1	738.1	4.9	1.7	0.0	743.0	6
15	20	6107	5	2	0	-0	0	439.4	2.7	1.0	0.0	442.1	6
16	20	6794	5	2	0	-0	0	488.8	2.7	1.0	0.0	491.5	6
17	20	5979	5	2	0	-0	0	430.1	3.0	1.0	0.0	433.1	6
1A	39	6893	4	3	0	-1	1	495.9	10.0	0.8	0.0	505.9	6
1E	39	6959	4	3	0	-1	1	500.7	10.0	0.8	0.0	510.7	6
1I	39	6895	4	2	0	-1	1	496.1	9.8	0.8	0.0	505.8	6
1M	39	6957	4	2	0	-1	1	500.5	9.8	0.8	0.0	510.3	6
2	39	8826	5	2	0	-1	2	635.0	13.7	1.1	0.0	648.7	6
3	39	5168	3	1	0	-0	1	371.8	8.3	0.7	0.0	380.1	6
4	39	4734	3	1	0	-0	1	340.6	7.9	0.7	0.0	348.5	6
5	39	5744	3	1	0	-0	1	413.2	8.7	0.7	0.0	422.0	6
6	39	11190	5	3	0	-1	2	805.0	14.3	1.1	0.0	819.3	6
7	39	6657	3	2	0	-1	1	478.9	8.6	0.7	0.0	487.5	6
8	39	5943	3	1	0	-0	1	427.6	8.1	0.6	0.0	435.6	6
9	39	7254	3	2	0	-1	1	521.9	9.2	0.7	0.0	531.0	6
10	39	9234	5	3	0	-1	2	664.3	13.7	1.0	0.0	678.1	6
11	39	5480	3	1	0	-0	1	394.2	8.3	0.6	0.0	402.6	6
12	39	5845	3	1	0	-0	1	420.5	8.3	0.6	0.0	428.8	6
13	39	5611	3	2	0	-1	1	403.7	8.6	0.6	0.0	412.3	6
14	39	10260	5	3	0	-1	2	738.1	14.7	1.1	0.0	752.8	6
15	39	6107	3	2	0	-1	1	439.4	8.4	0.6	0.0	447.7	6
16	39	6794	3	2	0	-0	1	488.8	8.4	0.6	0.0	497.2	6
17	39	5979	3	2	0	-1	1	430.1	8.7	0.6	0.0	438.9	6

ASTA NUM. 4 NI 189 NF 175 Lungh. 57.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	6815	-1	-1	0	-0	1	490.3	10.0	0.2	0.0	500.3	6	
1E	0	6887	-1	-1	0	-0	1	495.5	10.0	0.2	0.0	505.4	6	
1I	0	6822	-1	-1	0	-1	1	490.8	10.2	0.2	0.0	501.0	6	
1M	0	6880	-1	-1	0	-1	1	495.0	10.2	0.2	0.0	505.2	6	
2	0	8944	-2	-2	0	-1	2	643.5	14.2	0.3	0.0	657.7	6	
3	0	5384	-1	-1	0	-0	1	387.3	8.6	0.2	0.0	396.0	6	
4	0	5759	-1	1	0	-0	1	414.3	8.2	0.2	0.0	422.5	6	
5	0	6025	-1	-1	0	-0	1	433.5	9.0	0.2	0.0	442.5	6	
6	0	11000	-2	-2	0	-1	2	791.4	14.8	0.4	0.0	806.1	6	
7	0	6747	-1	-1	0	-1	1	485.4	8.9	0.2	0.0	494.3	6	
8	0	7055	-1	1	0	-0	1	507.6	8.3	0.2	0.0	515.8	6	
9	0	7414	-1	-1	0	-1	1	533.4	9.5	0.3	0.0	542.9	6	
10	0	9133	-2	-2	0	-1	2	657.1	14.2	0.4	0.0	671.3	6	
11	0	5557	-1	-1	0	-0	1	399.8	8.7	0.2	0.0	408.5	6	
12	0	6712	-1	0	0	-0	1	482.9	8.5	0.2	0.0	491.4	6	
13	0	5776	-1	-1	0	-0	1	415.5	8.9	0.2	0.0	424.5	6	
14	0	10090	-2	-2	0	-1	2	725.9	15.2	0.4	0.0	741.1	6	
15	0	6206	-1	-1	0	-1	1	446.5	8.7	0.2	0.0	455.2	6	
16	0	7881	-1	1	0	-0	1	567.0	8.6	0.2	0.0	575.6	6	
17	0	6185	-1	-1	0	-1	1	445.0	9.0	0.3	0.0	454.0	6	
1A	28	6815	-4	-1	0	-0	1	490.3	4.6	0.8	0.0	494.9	6	
1E	28	6887	-4	-1	0	-0	1	495.5	4.6	0.8	0.0	500.1	6	
1I	28	6822	-4	-1	0	-0	1	490.8	4.8	0.8	0.0	495.5	6	
1M	28	6880	-4	-1	0	-0	1	495.0	4.8	0.8	0.0	499.7	6	
2	28	8944	-6	-2	0	-0	1	643.5	6.4	1.2	0.0	649.9	6	
3	28	5384	-4	-1	0	-0	1	387.3	3.9	0.7	0.0	391.2	6	
4	28	5759	-4	1	0	-0	1	414.3	4.3	0.8	0.0	418.6	6	
5	28	6025	-4	-1	0	-0	1	433.5	4.2	0.8	0.0	437.7	6	
6	28	11000	-6	-2	0	-0	1	791.4	6.7	1.2	0.0	798.1	6	
7	28	6747	-4	-1	0	-0	1	485.4	4.1	0.7	0.0	489.5	6	
8	28	7055	-4	1	0	-1	0	507.6	4.5	0.8	0.0	512.1	1	
9	28	7414	-4	-1	0	-0	1	533.4	4.5	0.7	0.0	537.9	6	
10	28	9133	-6	-2	0	-0	1	657.1	5.8	1.3	0.0	662.9	6	
11	28	5557	-4	-1	0	-0	1	399.8	3.6	0.8	0.0	403.3	6	
12	28	6712	-4	0	0	-0	1	482.9	4.5	0.8	0.0	487.4	6	
13	28	5776	-4	-1	0	-0	1	415.5	3.8	0.8	0.0	419.3	6	
14	28	10090	-7	-2	0	-0	1	725.9	6.1	1.3	0.0	732.0	6	
15	28	6206	-4	-1	0	-0	0	446.5	3.4	0.8	0.0	449.9	6	
16	28	7881	-4	1	0	-1	1	567.0	4.8	0.8	0.0	571.7	1	
17	28	6185	-4	-1	0	-0	1	445.0	3.7	0.8	0.0	448.6	6	
1A	57	6815	-7	-1	0	0	-1	490.3	6.2	1.5	0.0	496.5	6	
1E	57	6887	-7	-1	0	0	-1	495.5	6.2	1.5	0.0	501.7	6	
1I	57	6822	-7	-1	0	0	-1	490.8	6.2	1.5	0.0	497.0	6	
1M	57	6880	-7	-1	0	0	-1	495.0	6.2	1.5	0.0	501.2	6	
2	57	8944	-10	-2	0	0	-1	643.5	9.1	2.1	0.0	652.6	6	
3	57	5384	-6	-1	0	0	-1	387.3	5.7	1.3	0.0	393.0	6	
4	57	5759	-6	1	0	-1	-1	414.3	7.3	1.3	0.0	421.6	6	
5	57	6025	-6	-1	0	0	-1	433.5	5.5	1.3	0.0	438.9	6	
6	57	11000	-10	-2	0	0	-1	791.4	9.0	2.1	0.0	800.4	6	
7	57	6747	-6	-1	0	0	-1	485.4	5.6	1.3	0.0	491.0	6	
8	57	7055	-7	1	0	-1	-1	507.6	7.8	1.3	0.0	515.3	6	
9	57	7414	-6	-1	0	0	-1	533.4	5.4	1.3	0.0	538.8	6	
10	57	9133	-11	-2	0	0	-2	657.1	10.3	2.1	0.0	667.4	6	
11	57	5557	-7	-1	0	0	-1	399.8	6.4	1.3	0.0	406.2	6	
12	57	6712	-7	0	0	-1	-1	482.9	7.3	1.3	0.0	490.1	6	
13	57	5776	-7	-1	0	0	-1	415.5	6.2	1.3	0.0	421.8	6	
14	57	10090	-11	-2	0	0	-2	725.9	11.3	2.3	0.0	737.2	6	
15	57	6206	-7	-1	0	0	-1	446.5	6.7	1.3	0.0	453.2	6	
16	57	7881	-7	1	0	-1	-1	567.0	7.6	1.3	0.0	574.6	6	
17	57	6185	-7	-1	0	0	-1	445.0	6.6	1.3	0.0	451.5	6	

ASTA NUM. 5 NI 141 NF 188 Lungh. 43.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	13661	3	-4	0	-1	2	982.8	14.1	0.7	0.0	996.9	6	
1E	0	13739	3	-4	0	-1	2	988.4	14.1	0.7	0.0	1002.5	6	
1I	0	13632	3	-4	0	-1	2	980.7	14.4	0.8	0.0	995.1	6	
1M	0	13768	3	-4	0	-1	2	990.5	14.4	0.8	0.0	1005.0	6	
2	0	18160	6	-5	0	-1	2	1306.5	13.8	1.2	0.0	1320.3	6	
3	0	10530	4	-3	0	-1	1	757.6	6.9	0.8	0.0	764.4	6	
4	0	9628	4	-2	0	-0	1	692.7	6.6	0.8	0.0	699.2	6	
5	0	11280	4	-3	0	-0	1	811.5	8.3	0.7	0.0	819.8	6	
6	0	22620	4	-6	0	-1	3	1627.3	23.8	1.3	0.0	1651.2	6	
7	0	13180	3	-3	0	-1	2	948.2	12.7	0.7	0.0	960.9	6	
8	0	12210	3	-3	0	-0	2	878.4	12.9	0.6	0.0	891.3	6	
9	0	14200	2	-4	0	-1	2	1021.6	14.9	0.8	0.0	1036.5	6	
10	0	20390	5	-6	0	-1	2	1466.9	17.3	1.1	0.0	1484.2	6	
11	0	11940	4	-3	0	-1	1	859.0	9.0	0.7	0.0	868.0	6	
12	0	11390	4	-3	0	-0	1	819.4	8.5	0.7	0.0	827.9	6	
13	0	12060	3	-3	0	-1	1	867.6	10.0	0.7	0.0	877.6	6	
14	0	23110	4	-6	0	-1	4	1662.6	24.7	1.3	0.0	1687.2	6	
15	0	13480	3	-4	0	-1	2	969.8	13.5	0.7	0.0	983.3	6	
16	0	13140	3	-3	0	-0	2	945.3	13.4	0.6	0.0	958.7	6	
17	0	13430	2	-4	0	-1	2	966.2	14.9	0.8	0.0	981.1	6	
1A	22	13661	1	-4	0	0	2	982.8	15.7	0.7	0.0	998.5	6	
1E	22	13739	1	-4	0	0	2	988.4	15.7	0.7	0.0	1004.2	6	
1I	22	13632	1	-4	0	0	2	980.7	16.0	0.8	0.0	996.7	6	
1M	22	13768	1	-4	0	0	2	990.5	16.0	0.8	0.0	1006.5	6	
2	22	18160	2	-5	0	0	3	1306.5	17.9	1.0	0.0	1324.4	6	
3	22	10530	2	-3	0	0	2	757.6	9.7	0.6	0.0	767.3	6	
4	22	9628	2	-2	0	0	2	692.7	10.0	0.5	0.0	702.6	6	
5	22	11280	2	-3	0	0	2	811.5	11.2	0.6	0.0	822.7	6	
6	22	22620	1	-6	0	0	4	1627.3	25.2	1.3	0.0	1652.5	6	
7	22	13180	1	-3	0	0	2	948.2	13.8	0.7	0.0	962.0	6	
8	22	12210	1	-3	0	0	2	878.4	14.5	0.6	0.0	893.0	6	
9	22	14200	0	-4	0	0	2	1021.6	16.0	0.8	0.0	1037.6	6	

10	22	20390	2	-6	0	0	3	1466.9	20.4	1.1	0.0	1487.3	6
11	22	11940	1	-3	0	0	2	859.0	11.2	0.6	0.0	870.2	6
12	22	11390	2	-3	0	0	2	819.4	11.3	0.6	0.0	830.8	6
13	22	12060	1	-3	0	0	2	867.6	12.3	0.7	0.0	880.0	6
14	22	23110	1	-6	0	0	4	1662.6	26.3	1.3	0.0	1688.9	6
15	22	13480	1	-4	0	0	2	969.8	14.4	0.7	0.0	984.2	6
16	22	13140	1	-3	0	0	2	945.3	14.9	0.6	0.0	960.3	6
17	22	13430	0	-4	0	0	2	966.2	16.0	0.8	0.0	982.2	6
1A	43	13661	-1	-4	0	1	2	982.8	17.2	0.7	0.0	1000.0	6
1E	43	13739	-1	-4	0	1	2	988.4	17.2	0.7	0.0	1005.7	6
1I	43	13632	-2	-4	0	1	2	980.7	17.4	0.8	0.0	998.1	6
1M	43	13768	-2	-4	0	1	2	990.5	17.4	0.8	0.0	1007.9	6
2	43	18160	-1	-5	0	1	3	1306.5	21.6	1.0	0.0	1328.1	6
3	43	10530	-0	-3	0	1	2	757.6	12.2	0.6	0.0	769.8	6
4	43	9628	-0	-2	0	1	2	692.7	12.2	0.5	0.0	704.9	6
5	43	11280	-0	-3	0	1	2	811.5	13.5	0.6	0.0	825.0	6
6	43	22620	-3	-6	0	2	4	1627.3	27.1	1.3	0.0	1654.5	6
7	43	13180	-1	-3	0	1	2	948.2	15.2	0.7	0.0	963.4	6
8	43	12210	-1	-3	0	1	2	878.4	15.6	0.6	0.0	894.0	6
9	43	14200	-2	-4	0	1	2	1021.6	17.2	0.8	0.0	1038.8	6
10	43	20390	-1	-6	0	1	3	1466.9	23.7	1.1	0.0	1490.6	6
11	43	11940	-1	-3	0	1	2	859.0	13.5	0.6	0.0	872.5	6
12	43	11390	-1	-3	0	1	2	819.4	13.5	0.6	0.0	832.9	6
13	43	12060	-1	-3	0	1	2	867.6	14.5	0.7	0.0	882.1	6
14	43	23110	-3	-6	0	2	4	1662.6	28.5	1.3	0.0	1691.1	6
15	43	13480	-1	-4	0	1	2	969.8	15.7	0.7	0.0	985.5	6
16	43	13140	-1	-3	0	1	2	945.3	16.0	0.6	0.0	961.4	6
17	43	13430	-2	-4	0	1	2	966.2	17.1	0.8	0.0	983.3	6

ASTA NUM. 6 NI 188 NF 176 Lungh. 53.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	14154	-4	2	0	1	2	1018.3	17.9	0.9	0.0	1036.2	6	
1E	0	14246	-4	2	0	1	2	1024.9	17.9	0.9	0.0	1042.8	6	
1I	0	14129	-4	2	0	1	2	1016.5	17.7	0.9	0.0	1034.2	6	
1M	0	14271	-4	2	0	1	2	1026.7	17.7	0.9	0.0	1044.4	6	
2	0	18950	-5	3	0	1	3	1363.3	21.8	1.0	0.0	1385.1	6	
3	0	11030	-3	1	0	1	2	793.5	12.3	0.6	0.0	805.9	6	
4	0	10890	-3	1	0	1	2	783.5	12.3	0.6	0.0	795.8	6	
5	0	11980	-3	2	0	1	2	861.9	13.7	0.6	0.0	875.5	6	
6	0	23370	-7	3	0	2	4	1681.3	27.4	1.4	0.0	1708.7	6	
7	0	13680	-4	2	0	1	2	984.2	15.4	0.8	0.0	999.6	6	
8	0	13670	-4	2	0	1	2	983.5	15.8	0.8	0.0	999.2	6	
9	0	14960	-4	2	0	1	2	1076.3	17.4	0.8	0.0	1093.7	6	
10	0	21100	-5	3	0	2	3	1518.0	23.9	1.1	0.0	1541.9	6	
11	0	12390	-3	2	0	1	2	891.4	13.6	0.6	0.0	905.0	6	
12	0	12600	-3	1	0	1	2	906.5	13.6	0.6	0.0	920.1	6	
13	0	12710	-3	2	0	1	2	914.4	14.6	0.7	0.0	929.0	6	
14	0	23890	-7	3	0	2	4	1718.7	28.7	1.4	0.0	1747.4	6	
15	0	14000	-4	2	0	1	2	1007.2	15.9	0.8	0.0	1023.1	6	
16	0	14620	-4	2	0	1	2	1051.8	16.2	0.8	0.0	1068.0	6	
17	0	14200	-4	2	0	1	2	1021.6	17.3	0.9	0.0	1038.9	6	
1A	27	14154	-7	2	0	0	1	1018.3	6.8	1.5	0.0	1025.1	6	
1E	27	14246	-7	2	0	0	1	1024.9	6.8	1.5	0.0	1031.7	6	
1I	27	14129	-7	2	0	1	1	1016.5	6.9	1.5	0.0	1023.4	6	
1M	27	14271	-7	2	0	1	1	1026.7	6.9	1.5	0.0	1033.6	6	
2	27	18950	-9	3	0	1	1	1363.3	8.8	1.8	0.0	1372.1	6	
3	27	11030	-5	1	0	0	1	793.5	4.8	1.1	0.0	798.4	6	
4	27	10890	-5	1	0	0	1	783.5	4.8	1.1	0.0	788.2	6	
5	27	11980	-6	2	0	0	1	861.9	5.6	1.1	0.0	867.5	6	
6	27	23370	-11	3	0	1	1	1681.3	10.9	2.2	0.0	1692.2	6	
7	27	13680	-6	2	0	0	1	984.2	6.0	1.3	0.0	990.2	6	
8	27	13670	-6	2	0	0	1	983.5	6.1	1.3	0.0	989.5	6	
9	27	14960	-7	2	0	1	1	1076.3	7.1	1.4	0.0	1083.4	6	
10	27	21100	-10	3	0	1	1	1518.0	9.7	1.9	0.0	1527.7	6	
11	27	12390	-6	2	0	0	1	891.4	5.4	1.1	0.0	896.8	6	
12	27	12600	-6	1	0	0	1	906.5	5.5	1.1	0.0	912.0	6	
13	27	12710	-6	2	0	0	1	914.4	6.0	1.2	0.0	920.4	6	
14	27	23890	-11	3	0	1	1	1718.7	11.4	2.3	0.0	1730.1	6	
15	27	14000	-6	2	0	0	1	1007.2	6.2	1.3	0.0	1013.4	6	
16	27	14620	-6	2	0	0	1	1051.8	6.4	1.3	0.0	1058.2	6	
17	27	14200	-7	2	0	1	1	1021.6	7.0	1.4	0.0	1028.5	6	
1A	53	14154	-10	2	0	-0	-1	1018.3	9.1	2.0	0.0	1027.4	6	
1E	53	14246	-10	2	0	-0	-1	1024.9	9.1	2.0	0.0	1033.9	6	
1I	53	14129	-10	2	0	-0	-1	1016.5	8.7	2.0	0.0	1025.2	6	
1M	53	14271	-10	2	0	-0	-1	1026.7	8.7	2.0	0.0	1035.4	6	
2	53	18950	-13	3	0	0	-2	1363.3	11.0	2.6	0.0	1374.4	6	
3	53	11030	-8	1	0	-0	-1	793.5	6.9	1.6	0.0	800.4	6	
4	53	10890	-8	1	0	0	-1	783.5	6.9	1.6	0.0	790.4	6	
5	53	11980	-8	2	0	0	-1	861.9	6.7	1.6	0.0	868.6	6	
6	53	23370	-15	3	0	0	-2	1681.3	12.3	3.0	0.0	1693.6	6	
7	53	13680	-9	2	0	-0	-1	984.2	7.6	1.8	0.0	991.8	6	
8	53	13670	-9	2	0	0	-1	983.5	7.9	1.8	0.0	991.3	6	
9	53	14960	-9	2	0	0	-1	1076.3	7.5	1.9	0.0	1083.7	6	
10	53	21100	-14	3	0	0	-2	1518.0	11.3	2.8	0.0	1529.3	6	
11	53	12390	-8	2	0	-0	-1	891.4	7.0	1.7	0.0	898.3	6	
12	53	12600	-8	1	0	0	-1	906.5	6.9	1.6	0.0	913.3	6	
13	53	12710	-8	2	0	0	-1	914.4	6.9	1.7	0.0	921.3	6	
14	53	23890	-16	3	0	0	-2	1718.7	13.1	3.2	0.0	1731.8	6	
15	53	14000	-9	2	0	-0	-1	1007.2	7.7	1.8	0.0	1014.9	6	
16	53	14620	-9	2	0	0	-1	1051.8	7.5	1.8	0.0	1059.3	6	
17	53	14200	-9	2	0	0	-1	1021.6	7.7	1.9	0.0	1029.2	6	

ASTA NUM. 7 NI 174 NF 184 Lungh. 53.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-14006	2	2	0	0	-1	1007.6	4.5	0.5	0.0	1012.1	6	
1E	0	-13914	2	2	0	0	-1	1001.0	4.5	0.5	0.0	1005.5	6	
1I	0	-14030	2	2	0	-0	-1	1009.4	4.5	0.5	0.0	1013.9	6	
1M	0	-13890	2	2	0	-0	-1	999.2	4.5	0.5	0.0	1003.8	6	
2	0	-19130	5	2	0	-0	-1	1376.3	7.8	1.0	0.0	1384.1	6	
3	0	-11170	3	1	0	-0	-1	803.6	5.1	0.6	0.0	808.7	6	
4	0	-8570	3	1	0	-0	-1	616.5	5.0	0.7	0.0	621.6	6	
5	0	-11040	3	1	0	-0	-1	794.2	4.7	0.6	0.0	799.0	6	
6	0	-22880	3	3	0	-0	-1	1646.0	6.4	0.6	0.0	1652.4	6	
7	0	-13140	2	2	0	-0	-1	945.3	4.2	0.4	0.0	949.5	6	
8	0	-10700	2	2	0	-0	-1	769.8	4.2	0.5	0.0	774.0	6	
9	0	-13560	2	2	0	-0	-1	975.5	3.7	0.4	0.0	979.3	6	
10	0	-19770	5	2	0	-0	-1	1422.3	7.6	0.9	0.0	1429.9	6	
11	0	-11430	3	1	0	-0	-1	822.3	5.0	0.6	0.0	827.3	6	
12	0	-8597	3	1	0	-0	-1	618.5	4.7	0.6	0.0	623.2	6	
13	0	-11360	3	1	0	-0	-1	817.3	4.7	0.6	0.0	822.0	6	
14	0	-22360	4	3	0	-0	-1	1608.6	7.2	0.8	0.0	1615.8	6	
15	0	-12700	2	1	0	-0	-1	913.7	4.3	0.4	0.0	918.0	6	
16	0	-9750	2	1	0	-0	-1	701.4	4.0	0.5	0.0	705.4	6	
17	0	-13110	2	1	0	-0	-1	943.2	4.0	0.4	0.0	947.2	6	
1A	26	-14006	-0	2	0	-1	-0	1007.6	4.2	0.4	0.0	1011.8	1	
1E	26	-13914	-0	2	0	-1	-0	1001.0	4.2	0.4	0.0	1005.2	1	
1I	26	-14030	-0	2	0	-1	-0	1009.4	4.5	0.4	0.0	1013.9	1	
1M	26	-13890	-0	2	0	-1	-0	999.2	4.5	0.4	0.0	1003.7	1	
2	26	-19130	1	2	0	-1	-0	1376.3	6.1	0.5	0.0	1382.4	1	
3	26	-11170	1	1	0	-0	-0	803.6	3.6	0.3	0.0	807.2	1	
4	26	-8570	1	1	0	-0	-0	616.5	3.4	0.3	0.0	620.0	1	
5	26	-11040	1	1	0	-0	-0	794.2	3.4	0.3	0.0	797.6	1	
6	26	-22880	-1	3	0	-1	-1	1646.0	7.6	0.5	0.0	1653.6	1	
7	26	-13140	-1	2	0	-1	-0	945.3	4.4	0.3	0.0	949.8	1	
8	26	-10700	-0	2	0	-1	-0	769.8	4.4	0.3	0.0	774.2	1	
9	26	-13560	-1	2	0	-1	-0	975.5	4.3	0.3	0.0	979.8	1	
10	26	-19770	1	2	0	-1	-0	1422.3	6.1	0.5	0.0	1428.4	1	
11	26	-11430	1	1	0	-0	-0	822.3	3.6	0.3	0.0	825.9	1	
12	26	-8597	1	1	0	-0	-0	618.5	3.4	0.3	0.0	621.9	1	
13	26	-11360	1	1	0	-0	-0	817.3	3.4	0.3	0.0	820.6	1	
14	26	-22360	-1	3	0	-1	-1	1608.6	7.3	0.5	0.0	1615.9	1	
15	26	-12700	-0	1	0	-1	-0	913.7	4.3	0.3	0.0	917.9	1	
16	26	-9750	-0	1	0	-1	-0	701.4	4.1	0.3	0.0	705.6	1	
17	26	-13110	-0	1	0	-1	-0	943.2	4.1	0.3	0.0	947.3	1	
1A	53	-14006	-3	2	0	-1	-1	1007.6	9.0	0.7	0.0	1016.6	1	
1E	53	-13914	-3	2	0	-1	-1	1001.0	9.0	0.7	0.0	1010.0	1	
1I	53	-14030	-3	2	0	-1	-1	1009.4	8.6	0.7	0.0	1018.0	1	
1M	53	-13890	-3	2	0	-1	-1	999.2	8.6	0.7	0.0	1007.9	1	
2	53	-19130	-3	2	0	-1	-1	1376.3	10.8	0.7	0.0	1387.0	1	
3	53	-11170	-2	1	0	-1	-0	803.6	6.2	0.4	0.0	809.8	1	
4	53	-8570	-2	1	0	-1	-0	616.5	5.9	0.3	0.0	622.4	1	
5	53	-11040	-2	1	0	-1	-0	794.2	6.0	0.4	0.0	800.2	1	
6	53	-22880	-5	3	0	-2	-2	1646.0	14.1	1.1	0.0	1660.2	1	
7	53	-13140	-3	2	0	-1	-1	945.3	8.1	0.6	0.0	953.4	1	
8	53	-10700	-3	2	0	-1	-1	769.8	8.0	0.6	0.0	777.8	1	
9	53	-13560	-3	2	0	-1	-1	975.5	8.1	0.7	0.0	983.6	1	
10	53	-19770	-4	2	0	-1	-1	1422.3	10.9	0.7	0.0	1433.2	1	
11	53	-11430	-2	1	0	-1	-0	822.3	6.2	0.4	0.0	828.5	1	
12	53	-8597	-2	1	0	-1	-0	618.5	5.9	0.4	0.0	624.4	1	
13	53	-11360	-2	1	0	-1	-0	817.3	6.0	0.4	0.0	823.2	1	
14	53	-22360	-5	3	0	-2	-1	1608.6	13.4	1.0	0.0	1622.0	1	
15	53	-12700	-3	1	0	-1	-1	913.7	7.7	0.6	0.0	921.4	1	
16	53	-9750	-3	1	0	-1	-1	701.4	7.6	0.6	0.0	709.0	1	

17	53	-13110	-3	1	0	-1	-1	943.2	7.6	0.6	0.0	950.8	1

ASTA NUM. 8 NI 184 NF 140 Lungh. 43.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13729	-6	-4	0	-1	-1	987.7	7.8	1.3	0.0	995.5	1	
1E	0	-13651	-6	-4	0	-1	-1	982.1	7.8	1.3	0.0	989.9	1	
1I	0	-13758	-6	-4	0	-1	-1	989.8	8.2	1.3	0.0	998.0	1	
1M	0	-13622	-6	-4	0	-1	-1	980.0	8.2	1.3	0.0	988.1	1	
2	0	-18630	-7	-5	0	-1	-1	1340.3	10.7	1.5	0.0	1351.0	1	
3	0	-10800	-4	-3	0	-1	-0	777.0	6.2	0.9	0.0	783.2	1	
4	0	-9378	-4	-3	0	-1	-0	674.7	5.9	0.9	0.0	680.6	1	
5	0	-10540	-4	-3	0	-1	-0	758.3	5.9	0.9	0.0	764.2	1	
6	0	-22370	-9	-6	0	-2	-2	1609.4	14.0	1.9	0.0	1623.4	1	
7	0	-12740	-6	-4	0	-1	-1	916.5	8.0	1.1	0.0	924.6	1	
8	0	-11740	-5	-4	0	-1	-1	844.6	8.0	1.1	0.0	852.6	1	
9	0	-12980	-6	-4	0	-1	-1	933.8	8.0	1.2	0.0	941.8	1	
10	0	-19410	-8	-5	0	-1	-1	1396.4	10.8	1.5	0.0	1407.2	1	
11	0	-11150	-5	-3	0	-1	-0	802.2	6.2	0.9	0.0	808.3	1	
12	0	-9493	-4	-3	0	-1	-0	682.9	6.0	0.9	0.0	688.9	1	
13	0	-10940	-5	-3	0	-1	-0	787.1	5.9	0.9	0.0	792.9	1	
14	0	-21880	-9	-6	0	-2	-1	1574.1	13.3	1.9	0.0	1587.4	1	
15	0	-12320	-5	-3	0	-1	-1	886.3	7.6	1.1	0.0	894.0	1	
16	0	-10810	-5	-4	0	-1	-1	777.7	7.7	1.1	0.0	785.3	1	
17	0	-12550	-5	-3	0	-1	-1	902.9	7.5	1.1	0.0	910.4	1	
1A	22	-13729	-9	-4	0	-0	-2	987.7	15.8	1.7	0.0	1003.5	6	
1E	22	-13651	-9	-4	0	-0	-2	982.1	15.8	1.7	0.0	997.9	6	
1I	22	-13758	-9	-4	0	-0	-3	989.8	16.0	1.8	0.0	1005.8	6	
1M	22	-13622	-9	-4	0	-0	-3	980.0	16.0	1.8	0.0	996.0	6	
2	22	-18630	-11	-5	0	-0	-3	1340.3	18.0	2.2	0.0	1358.3	6	
3	22	-10800	-6	-3	0	-0	-2	777.0	10.5	1.3	0.0	787.5	6	
4	22	-9378	-6	-3	0	-0	-1	674.7	9.4	1.3	0.0	684.1	6	
5	22	-10540	-7	-3	0	-0	-2	758.3	10.5	1.3	0.0	768.8	6	
6	22	-22370	-13	-6	0	-0	-4	1609.4	25.3	2.6	0.0	1634.7	6	
7	22	-12740	-8	-4	0	-0	-2	916.5	14.8	1.5	0.0	931.4	6	
8	22	-11740	-7	-4	0	-0	-2	844.6	13.8	1.5	0.0	858.4	6	
9	22	-12980	-8	-4	0	-0	-2	933.8	15.2	1.6	0.0	949.0	6	
10	22	-19410	-11	-5	0	-0	-3	1396.4	18.4	2.2	0.0	1414.8	6	
11	22	-11150	-7	-3	0	-0	-2	802.2	10.7	1.3	0.0	812.8	6	
12	22	-9493	-6	-3	0	-0	-2	682.9	9.9	1.3	0.0	692.8	6	
13	22	-10940	-7	-3	0	-0	-2	787.1	10.5	1.3	0.0	797.6	6	
14	22	-21880	-13	-6	0	-0	-4	1574.1	24.2	2.6	0.0	1598.3	6	
15	22	-12320	-7	-3	0	-0	-2	886.3	14.0	1.5	0.0	900.3	6	
16	22	-10810	-7	-4	0	-0	-2	777.7	13.4	1.5	0.0	791.1	6	
17	22	-12550	-7	-3	0	-0	-2	902.9	14.1	1.5	0.0	917.0	6	
1A	43	-13729	-11	-4	0	1	-5	987.7	30.2	2.2	0.0	1017.9	6	
1E	43	-13651	-11	-4	0	1	-5	982.1	30.2	2.2	0.0	1012.3	6	
1I	43	-13758	-11	-4	0	1	-5	989.8	30.5	2.2	0.0	1020.3	6	
1M	43	-13622	-11	-4	0	1	-5	980.0	30.5	2.2	0.0	1010.5	6	
2	43	-18630	-14	-5	0	1	-5	1340.3	36.1	2.8	0.0	1376.4	6	
3	43	-10800	-9	-3	0	0	-3	777.0	21.4	1.7	0.0	798.4	6	
4	43	-9378	-8	-3	0	1	-3	674.7	20.3	1.7	0.0	695.0	6	
5	43	-10540	-9	-3	0	0	-3	758.3	21.5	1.7	0.0	779.8	6	
6	43	-22370	-16	-6	0	1	-7	1609.4	46.4	3.2	0.0	1655.7	6	
7	43	-12740	-10	-4	0	1	-4	916.5	27.4	2.0	0.0	944.0	6	
8	43	-11740	-9	-4	0	1	-4	844.6	26.4	1.9	0.0	871.1	6	
9	43	-12980	-10	-4	0	1	-4	933.8	28.2	2.0	0.0	962.0	6	
10	43	-19410	-14	-5	0	1	-6	1396.4	36.9	2.9	0.0	1433.3	6	
11	43	-11150	-9	-3	0	1	-3	802.2	21.8	1.7	0.0	823.9	6	
12	43	-9493	-9	-3	0	1	-3	682.9	21.1	1.7	0.0	704.0	6	
13	43	-10940	-9	-3	0	1	-3	787.1	21.7	1.8	0.0	808.7	6	
14	43	-21880	-16	-6	0	1	-7	1574.1	45.6	3.3	0.0	1619.7	6	
15	43	-12320	-9	-3	0	1	-4	886.3	26.3	1.9	0.0	912.7	6	
16	43	-10810	-9	-4	0	1	-4	777.7	26.0	1.9	0.0	803.7	6	
17	43	-12550	-10	-3	0	1	-4	902.9	26.6	1.9	0.0	929.5	6	

ASTA NUM. 9 NI 175 NF 186 Lungh. 57.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-4371	6	0	0	0	-0	314.5	3.5	1.2	0.0	318.0	6	
1E	0	-4299	6	0	0	0	-0	309.3	3.5	1.2	0.0	312.8	6	
1I	0	-4364	6	0	0	0	-0	314.0	3.5	1.2	0.0	317.5	6	
1M	0	-4306	6	0	0	0	-0	309.8	3.5	1.2	0.0	313.3	6	
2	0	-6695	9	-0	0	0	-1	481.7	5.5	1.7	0.0	487.1	6	
3	0	-3925	5	-0	0	0	-0	282.4	3.6	1.1	0.0	286.0	6	
4	0	-670	6	-2	0	-1	-1	48.2	4.7	1.1	0.0	52.9	6	
5	0	-3656	5	0	0	0	-0	263.0	3.3	1.1	0.0	266.3	6	
6	0	-7195	8	0	0	0	-1	517.6	4.6	1.7	0.0	522.3	6	
7	0	-4033	5	0	0	0	-0	290.1	3.1	1.1	0.0	293.2	6	
8	0	-848	5	-2	0	-1	-1	61.0	5.2	1.1	0.0	66.2	1	
9	0	-4051	5	0	0	0	-0	291.4	2.9	1.1	0.0	294.3	1	
10	0	-7315	9	-0	0	0	-1	526.3	6.3	1.8	0.0	532.6	6	
11	0	-4219	6	-0	0	0	-1	303.5	4.1	1.1	0.0	307.7	6	
12	0	-223	6	-2	0	-1	-1	16.0	4.7	1.1	0.0	20.7	1	
13	0	-4187	6	0	0	0	-1	301.2	4.0	1.1	0.0	305.2	6	
14	0	-8109	9	0	0	1	-1	583.4	6.9	1.9	0.0	590.3	6	
15	0	-4537	6	0	0	0	-1	326.4	4.2	1.1	0.0	330.6	6	
16	0	-22	6	-2	0	-1	-0	1.6	5.2	1.1	0.0	6.8	1	
17	0	-4890	5	0	0	0	-1	351.8	4.0	1.1	0.0	355.8	6	
1A	28	-4371	3	0	0	0	1	314.5	5.8	0.6	0.0	320.3	6	
1E	28	-4299	3	0	0	0	1	309.3	5.8	0.6	0.0	315.1	6	
1I	28	-4364	3	0	0	0	1	314.0	5.9	0.6	0.0	319.9	6	
1M	28	-4306	3	0	0	0	1	309.8	5.9	0.6	0.0	315.7	6	
2	28	-6695	4	-0	0	0	1	481.7	7.7	0.9	0.0	489.4	6	
3	28	-3925	3	-0	0	0	1	282.4	4.6	0.5	0.0	287.0	6	
4	28	-670	3	-2	0	-0	1	48.2	4.2	0.6	0.0	52.5	6	
5	28	-3656	3	0	0	0	1	263.0	5.0	0.5	0.0	268.0	6	
6	28	-7195	4	0	0	0	1	517.6	8.8	0.8	0.0	526.4	6	
7	28	-4033	3	0	0	0	1	290.1	5.2	0.5	0.0	295.4	6	
8	28	-848	3	-2	0	-0	1	61.0	4.4	0.6	0.0	65.4	6	
9	28	-4051	3	0	0	0	1	291.4	5.8	0.5	0.0	297.2	6	
10	28	-7315	4	-0	0	0	1	526.3	7.3	0.9	0.0	533.5	6	
11	28	-4219	3	-0	0	0	1	303.5	4.4	0.6	0.0	307.9	6	
12	28	-223	3	-2	0	-0	1	16.0	4.5	0.6	0.0	20.5	6	
13	28	-4187	3	0	0	0	1	301.2	4.6	0.6	0.0	305.9	6	
14	28	-8109	5	0	0	0	1	583.4	8.1	1.0	0.0	591.5	6	
15	28	-4537	3	0	0	0	1	326.4	4.5	0.6	0.0	331.0	6	
16	28	-22	3	-2	0	-0	1	1.6	4.7	0.6	0.0	6.3	6	
17	28	-4890	3	0	0	0	1	351.8	4.9	0.6	0.0	356.7	6	
1A	57	-4371	-0	0	0	0	1	314.5	8.2	0.0	0.0	322.7	6	
1E	57	-4299	-0	0	0	0	1	309.3	8.2	0.0	0.0	317.5	6	
1I	57	-4364	-0	0	0	0	1	314.0	8.4	0.0	0.0	322.4	6	
1M	57	-4306	-0	0	0	0	1	309.8	8.4	0.0	0.0	318.2	6	
2	57	-6695	-0	-0	0	0	2	481.7	11.5	0.0	0.0	493.1	6	
3	57	-3925	-0	-0	0	0	1	282.4	7.0	0.0	0.0	289.4	6	
4	57	-670	0	-2	0	0	1	48.2	7.4	0.3	0.0	55.6	6	
5	57	-3656	-0	0	0	0	1	263.0	7.3	0.0	0.0	270.3	6	
6	57	-7195	-0	0	0	0	2	517.6	12.1	0.1	0.0	529.7	6	
7	57	-4033	-0	0	0	0	1	290.1	7.3	0.0	0.0	297.5	6	
8	57	-848	0	-2	0	0	1	61.0	7.6	0.4	0.0	68.6	6	
9	57	-4051	-0	0	0	0	1	291.4	7.7	0.0	0.0	299.2	6	
10	57	-7315	0	-0	0	0	2	526.3	11.3	0.0	0.0	537.6	6	
11	57	-4219	0	-0	0	0	1	303.5	6.9	0.0	0.0	310.5	6	
12	57	-223	0	-2	0	0	1	16.0	7.6	0.3	0.0	23.6	6	
13	57	-4187	0	0	0	0	1	301.2	7.1	0.0	0.0	308.4	6	
14	57	-8109	0	0	0	0	2	583.4	12.4	0.0	0.0	595.8	6	
15	57	-4537	0	0	0	0	1	326.4	7.0	0.0	0.0	333.4	6	
16	57	-22	0	-2	0	0	1	1.6	7.9	0.4	0.0	9.4	6	
17	57	-4890	0	0	0	0	1	351.8	7.3	0.0	0.0	359.1	6	

ASTA NUM. 10 NI 186 NF 174 Lungh. 39.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-4684	-5	2	0	0	1	337.0	8.7	1.0	0.0	345.7	6	
1E	0	-4618	-5	2	0	0	1	332.2	8.7	1.0	0.0	340.9	6	
1I	0	-4682	-5	2	0	0	1	336.8	8.5	1.0	0.0	345.3	6	
1M	0	-4620	-5	2	0	0	1	332.4	8.5	1.0	0.0	340.9	6	
2	0	-7002	-7	2	0	0	2	503.7	11.0	1.4	0.0	514.8	6	
3	0	-4049	-4	1	0	0	1	291.3	6.8	0.9	0.0	298.1	6	
4	0	-2134	-4	1	0	0	1	153.5	7.0	0.8	0.0	160.5	6	
5	0	-3550	-4	1	0	0	1	255.4	7.0	0.9	0.0	262.4	6	
6	0	-7652	-7	2	0	1	2	550.5	11.7	1.4	0.0	562.2	6	
7	0	-4209	-4	1	0	0	1	302.8	7.1	0.9	0.0	309.9	6	
8	0	-2690	-4	1	0	0	1	193.5	7.3	0.9	0.0	200.8	6	
9	0	-3948	-4	1	0	0	1	284.0	7.5	0.9	0.0	291.5	6	
10	0	-7765	-7	2	0	0	2	558.6	10.9	1.4	0.0	569.5	6	
11	0	-4428	-4	1	0	0	1	318.6	6.7	0.8	0.0	325.2	6	
12	0	-1755	-4	1	0	0	1	126.3	7.2	0.8	0.0	133.5	6	

13	0	-4170	-4	1	0	0	1	300.0	6.9	0.9	0.0	306.9	6
14	0	-8582	-7	2	0	1	2	617.4	12.0	1.5	0.0	629.4	6
15	0	-4720	-4	1	0	0	1	339.6	6.8	0.8	0.0	346.4	6
16	0	-1839	-4	1	0	0	1	132.3	7.5	0.8	0.0	139.8	6
17	0	-4799	-4	1	0	0	1	345.3	7.1	0.9	0.0	352.3	6
1A	20	-4684	-7	2	0	0	0	337.0	0.2	1.5	0.0	337.2	6
1E	20	-4618	-7	2	0	0	0	332.2	0.2	1.5	0.0	332.4	6
1I	20	-4682	-7	2	0	0	0	336.8	0.3	1.5	0.0	337.1	1
1M	20	-4620	-7	2	0	0	0	332.4	0.3	1.5	0.0	332.7	1
2	20	-7002	-10	2	0	0	-0	503.7	0.6	2.0	0.0	504.4	1
3	20	-4049	-6	1	0	0	-0	291.3	0.3	1.2	0.0	291.6	1
4	20	-2134	-6	1	0	0	0	153.5	0.7	1.2	0.0	154.2	1
5	20	-3550	-6	1	0	0	0	255.4	0.3	1.3	0.0	255.7	1
6	20	-7652	-10	2	0	0	-0	550.5	0.7	2.1	0.0	551.2	1
7	20	-4209	-6	1	0	0	-0	302.8	0.3	1.3	0.0	303.1	1
8	20	-2690	-6	1	0	0	0	193.5	0.8	1.2	0.0	194.4	1
9	20	-3948	-6	1	0	0	0	284.0	0.4	1.3	0.0	284.5	1
10	20	-7765	-10	2	0	0	-0	558.6	0.7	2.0	0.0	559.3	1
11	20	-4428	-6	1	0	0	-0	318.6	0.3	1.2	0.0	318.9	1
12	20	-1755	-6	1	0	0	0	126.3	0.8	1.2	0.0	127.0	1
13	20	-4170	-6	1	0	0	0	300.0	0.3	1.2	0.0	300.3	1
14	20	-8582	-10	2	0	0	0	617.4	0.6	2.1	0.0	618.0	1
15	20	-4720	-6	1	0	0	-0	339.6	0.2	1.2	0.0	339.8	1
16	20	-1839	-6	1	0	0	0	132.3	0.9	1.2	0.0	133.2	1
17	20	-4799	-6	1	0	0	0	345.3	0.4	1.2	0.0	345.6	1
1A	39	-4684	-9	2	0	-0	-2	337.0	10.9	1.9	0.0	347.9	6
1E	39	-4618	-9	2	0	-0	-2	332.2	10.9	1.9	0.0	343.1	6
1I	39	-4682	-9	2	0	-0	-2	336.8	10.5	1.9	0.0	347.3	6
1M	39	-4620	-9	2	0	-0	-2	332.4	10.5	1.9	0.0	342.9	6
2	39	-7002	-13	2	0	-0	-2	503.7	14.9	2.6	0.0	518.6	6
3	39	-4049	-8	1	0	-0	-1	291.3	9.3	1.6	0.0	300.6	6
4	39	-2134	-8	1	0	-0	-1	153.5	8.7	1.6	0.0	162.3	6
5	39	-3550	-8	1	0	-0	-1	255.4	9.1	1.6	0.0	264.5	6
6	39	-7652	-13	2	0	-0	-2	550.5	15.1	2.7	0.0	565.6	6
7	39	-4209	-8	1	0	-0	-1	302.8	9.4	1.7	0.0	312.2	6
8	39	-2690	-8	1	0	-0	-1	193.5	8.8	1.6	0.0	202.3	6
9	39	-3948	-8	1	0	-0	-1	284.0	9.2	1.7	0.0	293.2	6
10	39	-7765	-13	2	0	-0	-2	558.6	14.6	2.6	0.0	573.3	6
11	39	-4428	-8	1	0	-0	-1	318.6	9.1	1.6	0.0	327.7	6
12	39	-1755	-8	1	0	-0	-1	126.3	8.5	1.6	0.0	134.8	6
13	39	-4170	-8	1	0	-0	-1	300.0	8.9	1.6	0.0	308.9	6
14	39	-8582	-14	2	0	-0	-2	617.4	15.4	2.8	0.0	632.8	6
15	39	-4720	-8	1	0	-0	-1	339.6	9.1	1.6	0.0	348.6	6
16	39	-1839	-8	1	0	-0	-1	132.3	8.5	1.6	0.0	140.8	6
17	39	-4799	-8	1	0	-0	-1	345.3	8.9	1.6	0.0	354.2	6

ASTA NUM. 11 NI 169 NF 190 Lungh. 39.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	6552	8	-1	0	0	-1	471.4	6.5	1.6	0.0	477.9	6	
1E	0	6618	8	-1	0	0	-1	476.1	6.5	1.6	0.0	482.6	6	
1I	0	6554	8	-1	0	-0	-1	471.5	6.3	1.6	0.0	477.8	6	
1M	0	6616	8	-1	0	-0	-1	475.9	6.3	1.6	0.0	482.2	6	
2	0	7495	11	-2	0	-0	-1	539.2	8.5	2.3	0.0	547.7	6	
3	0	3017	7	-1	0	-0	-1	217.1	5.7	1.4	0.0	222.7	6	
4	0	2445	7	-1	0	-0	-1	175.9	5.6	1.4	0.0	181.5	6	
5	0	6037	7	-1	0	-0	-1	434.3	5.3	1.4	0.0	439.6	6	
6	0	10600	11	-3	0	-0	-1	762.6	8.6	2.3	0.0	771.2	6	
7	0	4232	7	-1	0	-0	-1	304.5	5.9	1.4	0.0	310.3	6	
8	0	3791	7	-2	0	-0	-1	272.7	5.7	1.4	0.0	278.4	6	
9	0	8473	7	-2	0	-0	-1	609.6	5.3	1.4	0.0	614.9	6	
10	0	8780	11	-3	0	-0	-1	631.7	8.0	2.2	0.0	639.6	6	
11	0	3876	7	-1	0	-0	-1	278.8	5.3	1.4	0.0	284.2	6	
12	0	3392	7	-1	0	-0	-1	244.0	5.2	1.4	0.0	249.2	6	
13	0	6601	7	-2	0	-0	-1	474.9	5.0	1.4	0.0	479.9	6	
14	0	9669	12	-3	0	-0	-1	695.6	8.9	2.4	0.0	704.5	6	
15	0	3682	7	-2	0	-0	-1	264.9	5.6	1.4	0.0	270.5	6	
16	0	3490	7	-2	0	-0	-1	251.1	5.3	1.4	0.0	256.4	6	
17	0	7438	7	-2	0	-0	-1	535.1	5.1	1.4	0.0	540.2	6	
1A	20	6552	6	-1	0	0	0	471.4	3.0	1.2	0.0	474.4	6	
1E	20	6618	6	-1	0	0	0	476.1	3.0	1.2	0.0	479.2	6	
1I	20	6554	6	-1	0	0	0	471.5	2.9	1.2	0.0	474.5	6	
1M	20	6616	6	-1	0	0	0	475.9	2.9	1.2	0.0	478.9	6	
2	20	7495	8	-2	0	0	1	539.2	4.3	1.7	0.0	543.5	6	
3	20	3017	5	-1	0	0	0	217.1	2.3	1.0	0.0	219.4	6	
4	20	2445	5	-1	0	0	0	175.9	2.4	1.0	0.0	178.3	6	
5	20	6037	5	-1	0	0	0	434.3	2.8	1.0	0.0	437.1	6	
6	20	10600	8	-3	0	0	1	762.6	4.6	1.7	0.0	767.2	6	
7	20	4232	5	-1	0	0	0	304.5	2.3	1.1	0.0	306.8	6	
8	20	3791	5	-2	0	0	0	272.7	2.5	1.1	0.0	275.2	6	
9	20	8473	5	-2	0	0	0	609.6	3.0	1.1	0.0	612.6	6	
10	20	8780	8	-3	0	0	1	631.7	4.7	1.6	0.0	636.3	6	
11	20	3876	5	-1	0	0	0	278.8	2.5	1.0	0.0	281.4	6	
12	20	3392	5	-1	0	0	0	244.0	2.6	1.0	0.0	246.6	6	
13	20	6601	5	-2	0	0	0	474.9	2.9	1.0	0.0	477.8	6	
14	20	9669	9	-3	0	0	1	695.6	4.8	1.7	0.0	700.4	6	
15	20	3682	5	-2	0	0	0	264.9	2.4	1.0	0.0	267.3	6	
16	20	3490	5	-2	0	0	0	251.1	2.6	1.0	0.0	253.6	6	
17	20	7438	5	-2	0	0	0	535.1	2.9	1.0	0.0	538.0	6	
1A	39	6552	4	-1	0	0	1	471.4	9.4	0.8	0.0	480.7	6	
1E	39	6618	4	-1	0	0	1	476.1	9.4	0.8	0.0	485.5	6	
1I	39	6554	4	-1	0	1	1	471.5	9.5	0.8	0.0	481.1	6	
1M	39	6616	4	-1	0	1	1	475.9	9.5	0.8	0.0	485.5	6	
2	39	7495	5	-2	0	1	2	539.2	13.5	1.1	0.0	552.8	6	
3	39	3017	3	-1	0	0	1	217.1	8.1	0.7	0.0	225.1	6	
4	39	2445	3	-1	0	0	1	175.9	8.1	0.7	0.0	184.0	6	
5	39	6037	3	-1	0	0	1	434.3	8.6	0.7	0.0	442.9	6	
6	39	10600	5	-3	0	1	2	762.6	14.2	1.1	0.0	776.8	6	
7	39	4232	3	-1	0	1	1	304.5	8.3	0.7	0.0	312.8	6	
8	39	3791	3	-2	0	1	1	272.7	8.4	0.7	0.0	281.1	6	
9	39	8473	3	-2	0	1	1	609.6	9.1	0.7	0.0	618.6	6	
10	39	8780	5	-3	0	1	2	631.7	13.7	1.0	0.0	645.3	6	
11	39	3876	3	-1	0	0	1	278.8	8.1	0.6	0.0	287.0	6	
12	39	3392	3	-1	0	0	1	244.0	8.2	0.6	0.0	252.2	6	
13	39	6601	3	-2	0	1	1	474.9	8.6	0.6	0.0	483.5	6	
14	39	9669	5	-3	0	1	2	695.6	14.6	1.1	0.0	710.2	6	
15	39	3682	3	-2	0	1	1	264.9	8.1	0.6	0.0	273.0	6	
16	39	3490	3	-2	0	1	1	251.1	8.2	0.6	0.0	259.3	6	
17	39	7438	3	-2	0	1	1	535.1	8.7	0.6	0.0	543.8	6	

ASTA NUM. 12 NI 190 NF 168 Lungh. 57.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	6179	-1	2	0	1	1	444.5	10.5	0.4	0.0	455.0	6	
1E	0	6251	-1	2	0	1	1	449.7	10.5	0.4	0.0	460.2	6	
1I	0	6186	-1	2	0	1	1	445.0	10.3	0.3	0.0	455.3	6	
1M	0	6244	-1	2	0	1	1	449.2	10.3	0.3	0.0	459.6	6	
2	0	6890	-2	2	0	1	2	495.7	14.1	0.4	0.0	509.8	6	
3	0	2614	-1	1	0	0	1	188.1	8.4	0.3	0.0	196.5	6	
4	0	1185	-1	2	0	0	1	85.3	8.5	0.4	0.0	93.7	6	
5	0	5376	-1	1	0	0	1	386.8	8.9	0.3	0.0	395.7	6	
6	0	10060	-2	3	0	1	2	723.7	14.7	0.5	0.0	738.4	6	
7	0	3845	-1	2	0	0	1	276.6	8.6	0.3	0.0	285.2	6	
8	0	2323	-1	3	0	1	1	167.1	8.8	0.5	0.0	175.9	6	
9	0	7758	-1	2	0	1	1	558.1	9.4	0.3	0.0	567.5	6	
10	0	8283	-2	2	0	1	2	595.9	14.2	0.4	0.0	610.1	6	
11	0	3539	-1	1	0	0	1	254.6	8.5	0.3	0.0	263.1	6	
12	0	2180	-1	2	0	0	1	156.8	8.6	0.4	0.0	165.4	6	
13	0	6015	-1	1	0	1	1	432.7	8.9	0.3	0.0	441.7	6	
14	0	9145	-2	3	0	1	2	657.9	15.2	0.5	0.0	673.1	6	
15	0	3304	-1	2	0	1	1	237.7	8.4	0.3	0.0	246.1	6	
16	0	1998	-1	3	0	1	1	143.7	8.6	0.5	0.0	152.4	6	
17	0	6747	-1	2	0	1	1	485.4	9.0	0.3	0.0	494.4	6	
1A	28	6179	-4	2	0	0	1	444.5	4.6	0.8	0.0	449.2	6	
1E	28	6251	-4	2	0	0	1	449.7	4.6	0.8	0.0	454.4	6	
1I	28	6186	-4	2	0	0	1	445.0	4.6	0.8	0.0	449.6	6	
1M	28	6244	-4	2	0	0	1	449.2	4.6	0.8	0.0	453.8	6	
2	28	6890	-6	2	0	0	1	495.7	5.9	1.2	0.0	501.6	6	
3	28	2614	-4	1	0	0	1	188.1	3.4	0.7	0.0	191.4	6	
4	28	1185	-4	2	0	-0	1	85.3	3.7	0.8	0.0	89.0	6	
5	28	5376	-4	1	0	0	1	386.8	3.9	0.7	0.0	390.7	6	
6	28	10060	-6	3	0	0	1	723.7	6.4	1.2	0.0	730.1	6	
7	28	3845	-4	2	0	0	1	276.6	3.6	0.7	0.0	280.2	6	
8	28	2323	-4	3	0	-0	1	167.1	3.8	0.7	0.0	171.0	6	
9	28	7758	-4	2	0	0	1	558.1	4.3	0.7	0.0	562.4	6	
10	28	8283	-6	2	0	0	1	595.9	5.5	1.3	0.0	601.4	6	
11	28	3539	-4	1	0	0	0	254.6	3.1	0.8	0.0	257.8	6	
12	28	2180	-4	2	0	-0	0	156.8	3.3	0.8	0.0	160.1	6	
13	28	6015	-4	1	0	0	1	432.7	3.6	0.8	0.0	436.3	6	
14	28	9145	-7	3	0	0	1	657.9	5.7	1.3	0.0	663.6	6	
15	28	3304	-4	2	0	0	0	237.7	2.9	0.8	0.0	240.6	6	
16	28	1998	-4	3	0	-0	0	143.7	3.2	0.8	0.0	147.0	6	
17	28	6747	-4	2	0	0	1	485.4	3.5	0.8	0.0	488.9	6	
1A	57	6179	-7	2	0	-0	-1	444.5	6.7	1.5	0.0	451.3	6	

1E	57	6251	-7	2	0	-0	-1	449.7	6.7	1.5	0.0	456.4	6
1I	57	6186	-7	2	0	-0	-1	445.0	6.7	1.5	0.0	451.7	6
1M	57	6244	-7	2	0	-0	-1	449.2	6.7	1.5	0.0	456.0	6
2	57	6890	-10	2	0	-0	-1	495.7	10.1	2.1	0.0	505.8	6
3	57	2614	-6	1	0	-0	-1	188.1	6.5	1.3	0.0	194.5	6
4	57	1185	-6	2	0	-1	-1	85.3	7.6	1.3	0.0	92.9	6
5	57	5376	-6	1	0	-0	-1	386.8	6.0	1.3	0.0	392.8	6
6	57	10060	-10	3	0	-0	-1	723.7	9.7	2.1	0.0	733.4	6
7	57	3845	-6	2	0	-0	-1	276.6	6.3	1.3	0.0	282.9	6
8	57	2323	-6	3	0	-1	-1	167.1	7.9	1.3	0.0	175.0	1
9	57	7758	-6	2	0	-0	-1	558.1	5.7	1.3	0.0	563.8	6
10	57	8283	-11	2	0	-0	-2	595.9	11.0	2.2	0.0	606.9	6
11	57	3539	-7	1	0	-0	-1	254.6	7.0	1.3	0.0	261.6	6
12	57	2180	-7	2	0	-1	-1	156.8	8.2	1.3	0.0	165.0	6
13	57	6015	-7	1	0	-0	-1	432.7	6.6	1.3	0.0	439.3	6
14	57	9145	-11	3	0	-1	-2	657.9	12.0	2.3	0.0	669.9	6
15	57	3304	-7	2	0	-0	-1	237.7	7.4	1.3	0.0	245.1	6
16	57	1998	-7	3	0	-1	-1	143.7	8.9	1.3	0.0	152.6	6
17	57	6747	-7	2	0	-0	-1	485.4	6.8	1.3	0.0	492.2	6

ASTA NUM. 13 NI 143 NF 187 Lungh. 43.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	13581	3	4	0	1	2	977.0	14.1	0.8	0.0	991.1	6	
1E	0	13659	3	4	0	1	2	982.7	14.1	0.8	0.0	996.7	6	
1I	0	13552	3	4	0	1	2	974.9	14.4	0.8	0.0	989.3	6	
1M	0	13688	3	4	0	1	2	984.8	14.4	0.8	0.0	999.1	6	
2	0	17490	6	5	0	1	2	1258.3	13.6	1.2	0.0	1271.8	6	
3	0	8190	4	3	0	0	1	589.2	4.5	0.9	0.0	593.7	6	
4	0	8753	4	3	0	1	1	629.7	6.5	0.8	0.0	636.2	6	
5	0	11950	4	3	0	1	1	859.7	8.0	0.8	0.0	867.7	6	
6	0	22320	4	6	0	1	3	1605.8	23.6	1.3	0.0	1629.4	6	
7	0	10010	3	3	0	0	1	720.1	9.1	0.7	0.0	729.2	6	
8	0	11380	3	4	0	1	2	818.7	12.6	0.8	0.0	831.3	6	
9	0	15590	3	4	0	1	2	1121.6	14.7	0.9	0.0	1136.3	6	
10	0	20280	5	6	0	1	2	1459.0	17.2	1.2	0.0	1476.2	6	
11	0	9953	4	3	0	0	1	716.0	6.7	0.8	0.0	722.8	6	
12	0	10690	4	3	0	1	1	769.1	9.0	0.7	0.0	778.1	6	
13	0	13310	3	4	0	1	1	957.6	9.8	0.7	0.0	967.4	6	
14	0	22810	4	6	0	1	3	1641.0	24.4	1.3	0.0	1665.5	6	
15	0	10320	3	3	0	0	1	742.4	10.0	0.7	0.0	752.4	6	
16	0	12010	3	4	0	1	2	864.0	13.9	0.8	0.0	877.9	6	
17	0	15180	3	4	0	1	2	1092.1	14.8	0.8	0.0	1106.9	6	
1A	22	13581	1	4	0	-0	2	977.0	15.8	0.8	0.0	992.9	6	
1E	22	13659	1	4	0	-0	2	982.7	15.8	0.8	0.0	998.5	6	
1I	22	13552	1	4	0	-0	2	974.9	15.9	0.8	0.0	990.9	6	
1M	22	13688	1	4	0	-0	2	984.8	15.9	0.8	0.0	1000.7	6	
2	22	17490	2	5	0	-0	3	1258.3	17.7	1.0	0.0	1276.0	6	
3	22	8190	2	3	0	-0	1	589.2	8.3	0.5	0.0	597.5	6	
4	22	8753	2	3	0	-0	1	629.7	9.4	0.6	0.0	639.1	6	
5	22	11950	2	3	0	-0	2	859.7	10.6	0.7	0.0	870.3	6	
6	22	22320	1	6	0	-0	4	1605.8	25.0	1.3	0.0	1630.7	6	
7	22	10010	1	3	0	-0	2	720.1	11.7	0.6	0.0	731.8	6	
8	22	11380	1	4	0	-0	2	818.7	13.8	0.8	0.0	832.5	6	
9	22	15590	1	4	0	-0	2	1121.6	15.4	0.9	0.0	1136.9	6	
10	22	20280	2	6	0	-0	3	1459.0	20.3	1.2	0.0	1479.3	6	
11	22	9953	2	3	0	-0	2	716.0	9.9	0.6	0.0	725.9	6	
12	22	10690	1	3	0	-0	2	769.1	11.2	0.7	0.0	780.3	6	
13	22	13310	1	4	0	-0	2	957.6	11.9	0.7	0.0	969.4	6	
14	22	22810	1	6	0	-0	4	1641.0	26.2	1.3	0.0	1667.2	6	
15	22	10320	1	3	0	-0	2	742.4	12.3	0.7	0.0	754.8	6	
16	22	12010	1	4	0	-0	2	864.0	14.7	0.8	0.0	878.7	6	
17	22	15180	1	4	0	-0	2	1092.1	15.4	0.8	0.0	1107.5	6	
1A	43	13581	-1	4	0	-1	2	977.0	17.6	0.8	0.0	994.6	6	
1E	43	13659	-1	4	0	-1	2	982.7	17.6	0.8	0.0	1000.3	6	
1I	43	13552	-2	4	0	-1	2	974.9	17.5	0.8	0.0	992.4	6	
1M	43	13688	-2	4	0	-1	2	984.8	17.5	0.8	0.0	1002.2	6	
2	43	17490	-1	5	0	-1	3	1258.3	21.4	1.0	0.0	1279.7	6	
3	43	8190	0	3	0	-1	2	589.2	11.2	0.5	0.0	600.4	6	
4	43	8753	-0	3	0	-1	2	629.7	12.1	0.6	0.0	641.8	6	
5	43	11950	-0	3	0	-1	2	859.7	13.2	0.7	0.0	872.9	6	
6	43	22320	-3	6	0	-2	4	1605.8	27.0	1.3	0.0	1632.8	6	
7	43	10010	-1	3	0	-1	2	720.1	13.8	0.6	0.0	733.9	6	
8	43	11380	-1	4	0	-1	2	818.7	15.4	0.8	0.0	834.1	6	
9	43	15590	-2	4	0	-1	2	1121.6	16.9	0.9	0.0	1138.5	6	
10	43	20280	-1	6	0	-1	3	1459.0	23.6	1.2	0.0	1482.6	6	
11	43	9953	-0	3	0	-1	2	716.0	12.5	0.6	0.0	728.6	6	
12	43	10690	-1	3	0	-1	2	769.1	13.6	0.7	0.0	782.6	6	
13	43	13310	-1	4	0	-1	2	957.6	14.2	0.7	0.0	971.8	6	
14	43	22810	-3	6	0	-2	4	1641.0	28.3	1.3	0.0	1669.4	6	
15	43	10320	-1	3	0	-1	2	742.4	14.3	0.7	0.0	756.7	6	
16	43	12010	-1	4	0	-1	2	864.0	16.1	0.8	0.0	880.2	6	
17	43	15180	-2	4	0	-1	2	1092.1	16.8	0.8	0.0	1108.9	6	

ASTA NUM. 14 NI 187 NF 169 Lungh. 53.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	13804	-4	-1	0	-1	2	993.1	17.4	0.9	0.0	1010.5	6	
1E	0	13896	-4	-1	0	-1	2	999.7	17.4	0.9	0.0	1017.1	6	
1I	0	13780	-4	-2	0	-1	2	991.3	17.5	0.9	0.0	1008.8	6	
1M	0	13920	-4	-2	0	-1	2	1001.5	17.5	0.9	0.0	1019.0	6	
2	0	17650	-5	-3	0	-1	3	1269.8	21.6	1.0	0.0	1291.4	6	
3	0	8159	-2	-1	0	-1	2	587.0	11.3	0.5	0.0	598.3	6	
4	0	8037	-3	-1	0	-1	2	578.2	12.2	0.6	0.0	590.4	6	
5	0	11840	-3	-2	0	-1	2	851.8	13.3	0.6	0.0	865.1	6	
6	0	22780	-7	-3	0	-2	4	1638.8	27.2	1.4	0.0	1666.1	6	
7	0	10100	-3	-2	0	-1	2	726.6	13.9	0.7	0.0	740.5	6	
8	0	10610	-4	-2	0	-1	2	763.3	15.5	0.8	0.0	778.8	6	
9	0	15590	-4	-2	0	-1	2	1121.6	17.0	0.8	0.0	1138.6	6	
10	0	20650	-5	-3	0	-2	3	1485.6	23.8	1.1	0.0	1509.4	6	
11	0	10050	-3	-1	0	-1	2	723.0	12.6	0.6	0.0	735.7	6	
12	0	10100	-3	-1	0	-1	2	726.6	13.7	0.6	0.0	740.3	6	
13	0	13310	-3	-2	0	-1	2	957.6	14.3	0.6	0.0	971.9	6	
14	0	23300	-7	-3	0	-2	4	1676.3	28.6	1.4	0.0	1704.8	6	
15	0	10420	-3	-2	0	-1	2	749.6	14.4	0.7	0.0	764.0	6	
16	0	11270	-4	-2	0	-1	2	810.8	16.3	0.8	0.0	827.1	6	
17	0	15180	-4	-2	0	-1	2	1092.1	17.0	0.8	0.0	1109.1	6	
1A	27	13804	-7	-1	0	-1	1	993.1	7.0	1.5	0.0	1000.2	6	
1E	27	13896	-7	-1	0	-1	1	999.7	7.0	1.5	0.0	1006.7	6	
1I	27	13780	-7	-2	0	-1	1	991.3	6.9	1.5	0.0	998.3	6	
1M	27	13920	-7	-2	0	-1	1	1001.5	6.9	1.5	0.0	1008.4	6	
2	27	17650	-9	-3	0	-1	1	1269.8	8.6	1.8	0.0	1278.4	6	
3	27	8159	-5	-1	0	-0	1	587.0	4.4	1.0	0.0	591.4	6	
4	27	8037	-5	-1	0	-0	1	578.2	4.8	1.1	0.0	583.0	6	
5	27	11840	-5	-2	0	-0	1	851.8	5.4	1.1	0.0	857.2	6	
6	27	22780	-11	-3	0	-1	1	1638.8	10.8	2.2	0.0	1649.7	6	
7	27	10100	-6	-2	0	-0	1	726.6	5.4	1.2	0.0	732.0	6	
8	27	10610	-6	-2	0	-0	1	763.3	6.0	1.3	0.0	769.3	6	
9	27	15590	-7	-2	0	-1	1	1121.6	6.9	1.3	0.0	1128.5	6	
10	27	20650	-10	-3	0	-1	1	1485.6	9.6	1.9	0.0	1495.3	6	
11	27	10050	-5	-1	0	-0	1	723.0	5.0	1.1	0.0	728.0	6	
12	27	10100	-6	-1	0	-0	1	726.6	5.5	1.1	0.0	732.1	6	
13	27	13310	-6	-2	0	-0	1	957.6	5.9	1.2	0.0	963.4	6	
14	27	23300	-11	-3	0	-1	1	1676.3	11.3	2.3	0.0	1687.6	6	
15	27	10420	-6	-2	0	-0	1	749.6	5.6	1.2	0.0	755.2	6	
16	27	11270	-7	-2	0	-1	1	810.8	6.4	1.3	0.0	817.2	6	
17	27	15180	-7	-2	0	-1	1	1092.1	6.8	1.3	0.0	1098.9	6	
1A	53	13804	-10	-1	0	-0	-1	993.1	9.2	2.0	0.0	1002.3	6	
1E	53	13896	-10	-1	0	-0	-1	999.7	9.2	2.0	0.0	1008.9	6	
1I	53	13780	-10	-2	0	-0	-1	991.3	8.8	2.0	0.0	1000.2	6	
1M	53	13920	-10	-2	0	-0	-1	1001.5	8.8	2.0	0.0	1010.3	6	
2	53	17650	-13	-3	0	-0	-2	1269.8	11.2	2.6	0.0	1281.0	6	
3	53	8159	-7	-1	0	-0	-1	587.0	6.8	1.5	0.0	593.8	6	
4	53	8037	-8	-1	0	-0	-1	578.2	7.1	1.6	0.0	585.3	6	
5	53	11840	-8	-2	0	-0	-1	851.8	6.8	1.6	0.0	858.6	6	
6	53	22780	-15	-3	0	-0	-2	1638.8	12.4	3.0	0.0	1651.3	6	
7	53	10100	-8	-2	0	-0	-1	726.6	7.5	1.7	0.0	734.1	6	
8	53	10610	-9	-2	0	-0	-1	763.3	7.9	1.8	0.0	771.2	6	
9	53	15590	-9	-2	0	-0	-1	1121.6	7.5	1.9	0.0	1129.1	6	
10	53	20650	-14	-3	0	-0	-2	1485.6	11.4	2.8	0.0	1497.0	6	
11	53	10050	-8	-1	0	-0	-1	723.0	6.9	1.6	0.0	730.0	6	
12	53	10100	-8	-1	0	-0	-1	726.6	7.2	1.7	0.0	733.8	6	
13	53	13310	-8	-2	0	-0	-1	957.6	6.9	1.7	0.0	964.4	6	
14	53	23300	-16	-3	0	-0	-2	1676.3	13.2	3.2	0.0	1689.5	6	
15	53	10420	-8	-2	0	-0	-1	749.6	7.6	1.7	0.0	757.2	6	
16	53	11270	-9	-2	0	-0	-1	810.8	8.0	1.8	0.0	818.8	6	
17	53	15180	-9	-2	0	-0	-1	1092.1	7.5	1.9	0.0	1099.6	6	

ASTA NUM. 15 NI 168 NF 185 Lungh. 57.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota

	cm		daN			daN*m			daN/cmq				
1A	0	-5006	6	-0	0	-0	-0	360.1	4.0	1.2	0.0	364.1	6
1E	0	-4934	6	-0	0	-0	-0	355.0	4.0	1.2	0.0	359.0	6
1I	0	-4999	6	-0	0	-0	-0	359.7	4.0	1.2	0.0	363.7	6
1M	0	-4941	6	-0	0	-0	-0	355.5	4.0	1.2	0.0	359.5	6
2	0	-8778	9	-0	0	-1	-1	631.5	6.3	1.8	0.0	637.8	6
3	0	-5972	5	-0	0	-0	-1	429.6	4.5	1.1	0.0	434.1	6
4	0	-7966	5	-1	0	-1	-1	573.1	6.9	1.1	0.0	579.9	1
5	0	-3870	5	-0	0	-0	-0	278.4	3.8	1.1	0.0	282.2	6
6	0	-8138	8	-0	0	-1	-1	585.5	5.7	1.7	0.0	591.2	1
7	0	-5782	5	-0	0	-0	-0	416.0	4.1	1.1	0.0	420.1	6
8	0	-8322	5	-1	0	-1	-0	598.7	7.7	1.1	0.0	606.4	1
9	0	-3125	5	-0	0	-0	-0	224.8	3.1	1.1	0.0	227.9	1
10	0	-8164	9	-0	0	-1	-1	587.3	7.0	1.8	0.0	594.4	6
11	0	-5495	6	-0	0	-0	-1	395.3	4.9	1.1	0.0	400.3	6
12	0	-7458	6	-1	0	-1	-1	536.5	7.0	1.1	0.0	543.6	1
13	0	-3555	6	-0	0	-0	-1	255.8	4.3	1.1	0.0	260.0	6
14	0	-9052	9	-0	0	-1	-1	651.2	7.6	1.9	0.0	658.8	6
15	0	-6286	6	-0	0	-0	-1	452.2	5.2	1.1	0.0	457.4	6
16	0	-8648	6	-1	0	-1	-1	622.2	8.2	1.1	0.0	630.4	1
17	0	-3843	6	-0	0	-0	-1	276.5	4.2	1.1	0.0	280.7	6
1A	28	-5006	3	-0	0	-0	1	360.1	6.2	0.6	0.0	366.3	6
1E	28	-4934	3	-0	0	-0	1	355.0	6.2	0.6	0.0	361.2	6
1I	28	-4999	3	-0	0	-0	1	359.7	6.1	0.6	0.0	365.7	6
1M	28	-4941	3	-0	0	-0	1	355.5	6.1	0.6	0.0	361.5	6
2	28	-8778	4	-0	0	-1	1	631.5	7.8	0.9	0.0	639.3	6
3	28	-5972	3	-0	0	-0	1	429.6	4.5	0.6	0.0	434.2	6
4	28	-7966	3	-1	0	-1	1	573.1	5.2	0.6	0.0	578.3	6
5	28	-3870	3	-0	0	-0	1	278.4	4.9	0.5	0.0	283.3	6
6	28	-8138	4	-0	0	-1	1	585.5	8.9	0.8	0.0	594.3	6
7	28	-5782	3	-0	0	-0	1	416.0	5.0	0.5	0.0	421.0	6
8	28	-8322	3	-1	0	-1	1	598.7	5.9	0.5	0.0	604.6	6
9	28	-3125	3	-0	0	-0	1	224.8	5.6	0.5	0.0	230.4	6
10	28	-8164	4	-0	0	-0	1	587.3	7.4	0.9	0.0	594.7	6
11	28	-5495	3	-0	0	-0	1	395.3	4.3	0.6	0.0	399.6	6
12	28	-7458	3	-1	0	-1	1	536.5	4.9	0.6	0.0	541.5	6
13	28	-3555	3	-0	0	-0	1	255.8	4.6	0.6	0.0	260.4	6
14	28	-9052	5	-0	0	-1	1	651.2	8.2	1.0	0.0	659.4	6
15	28	-6286	3	-0	0	-0	1	452.2	4.4	0.6	0.0	456.6	6
16	28	-8648	3	-1	0	-1	1	622.2	5.5	0.6	0.0	627.7	1
17	28	-3843	3	-0	0	-0	1	276.5	4.8	0.6	0.0	281.3	6
1A	57	-5006	-0	-0	0	-0	1	360.1	8.7	0.0	0.0	368.8	6
1E	57	-4934	-0	-0	0	-0	1	355.0	8.7	0.0	0.0	363.7	6
1I	57	-4999	-0	-0	0	-0	1	359.7	8.5	0.1	0.0	368.1	6
1M	57	-4941	-0	-0	0	-0	1	355.5	8.5	0.1	0.0	363.9	6
2	57	-8778	-0	-0	0	-0	2	631.5	11.3	0.1	0.0	642.8	6
3	57	-5972	0	-0	0	-0	1	429.6	6.9	0.1	0.0	436.5	6
4	57	-7966	0	-1	0	-0	1	573.1	6.8	0.2	0.0	579.9	6
5	57	-3870	-0	-0	0	-0	1	278.4	7.2	0.0	0.0	285.6	6
6	57	-8138	-0	-0	0	-0	2	585.5	11.9	0.1	0.0	597.4	6
7	57	-5782	-0	-0	0	-0	1	416.0	7.2	0.1	0.0	423.1	6
8	57	-8322	-0	-1	0	-0	1	598.7	7.1	0.3	0.0	605.8	6
9	57	-3125	-0	-0	0	-0	1	224.8	7.6	0.0	0.0	232.4	6
10	57	-8164	0	-0	0	-0	2	587.3	11.2	0.1	0.0	598.5	6
11	57	-5495	0	-0	0	-0	1	395.3	6.8	0.1	0.0	402.1	6
12	57	-7458	0	-1	0	-0	1	536.5	6.8	0.2	0.0	543.3	6
13	57	-3555	0	-0	0	-0	1	255.8	7.1	0.0	0.0	262.8	6
14	57	-9052	0	-0	0	-0	2	651.2	12.3	0.1	0.0	663.5	6
15	57	-6286	0	-0	0	-0	1	452.2	6.9	0.1	0.0	459.1	6
16	57	-8648	0	-1	0	-0	1	622.2	6.9	0.3	0.0	629.1	6
17	57	-3843	0	-0	0	-0	1	276.5	7.2	0.0	0.0	283.7	6

ASTA NUM. 16 NI 185 NF 167 Lungh. 39.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	10.9115	10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5025	-5	-1	0	-0	1	361.5	8.0	1.0	0.0	369.5	6	
1E	0	-4959	-5	-1	0	-0	1	356.8	8.0	1.0	0.0	364.7	6	
1I	0	-5023	-5	-1	0	-0	1	361.3	8.2	1.0	0.0	369.5	6	
1M	0	-4961	-5	-1	0	-0	1	356.9	8.2	1.0	0.0	365.1	6	
2	0	-9018	-7	-2	0	-0	2	648.8	10.9	1.4	0.0	659.7	6	
3	0	-6222	-4	-1	0	-0	1	447.6	6.5	0.9	0.0	454.2	6	
4	0	-6856	-4	-1	0	-0	1	493.2	6.6	0.9	0.0	499.8	6	
5	0	-4212	-4	-1	0	-0	1	303.0	6.9	0.9	0.0	309.9	6	
6	0	-8247	-7	-2	0	-1	2	593.3	11.5	1.4	0.0	604.8	6	
7	0	-6000	-4	-1	0	-0	1	431.7	6.8	0.9	0.0	438.5	6	
8	0	-6876	-4	-1	0	-0	1	494.7	6.9	0.9	0.0	501.6	6	
9	0	-3460	-4	-1	0	-0	1	248.9	7.3	0.9	0.0	256.2	6	
10	0	-8218	-7	-2	0	-0	2	591.2	10.8	1.4	0.0	602.0	6	
11	0	-5623	-4	-1	0	-0	1	404.5	6.5	0.8	0.0	411.0	6	
12	0	-6212	-4	-1	0	-0	1	446.9	6.5	0.8	0.0	453.4	6	
13	0	-3795	-4	-1	0	-0	1	273.0	6.8	0.8	0.0	279.8	6	
14	0	-9177	-7	-2	0	-1	2	660.2	11.8	1.5	0.0	672.0	6	
15	0	-6511	-4	-1	0	-0	1	468.4	6.6	0.8	0.0	475.0	6	
16	0	-7176	-4	-1	0	-0	1	516.3	6.7	0.8	0.0	522.9	6	
17	0	-4213	-4	-1	0	-0	1	303.1	6.9	0.8	0.0	310.0	6	
1A	20	-5025	-7	-1	0	-0	0	361.5	0.6	1.4	0.0	362.2	1	
1E	20	-4959	-7	-1	0	-0	0	356.8	0.6	1.4	0.0	357.4	1	
1I	20	-5023	-7	-1	0	-0	0	361.3	0.4	1.5	0.0	361.8	1	
1M	20	-4961	-7	-1	0	-0	0	356.9	0.4	1.5	0.0	357.4	1	
2	20	-9018	-10	-2	0	-0	-0	648.8	0.7	2.0	0.0	649.5	1	
3	20	-6222	-6	-1	0	-0	-0	447.6	0.5	1.2	0.0	448.1	6	
4	20	-6856	-6	-1	0	-0	-0	493.2	0.5	1.2	0.0	493.7	6	
5	20	-4212	-6	-1	0	-0	-0	303.0	0.3	1.2	0.0	303.3	1	
6	20	-8247	-10	-2	0	-0	-0	593.3	0.6	2.0	0.0	594.0	1	
7	20	-6000	-6	-1	0	-0	-0	431.7	0.4	1.3	0.0	432.0	1	
8	20	-6876	-6	-1	0	-0	-0	494.7	0.4	1.3	0.0	495.1	6	
9	20	-3460	-6	-1	0	-0	0	248.9	0.3	1.3	0.0	249.2	1	
10	20	-8218	-10	-2	0	-0	-0	591.2	0.6	2.0	0.0	591.8	1	
11	20	-5623	-6	-1	0	-0	-0	404.5	0.4	1.2	0.0	404.9	6	
12	20	-6212	-6	-1	0	-0	-0	446.9	0.4	1.2	0.0	447.3	6	
13	20	-3795	-6	-1	0	-0	0	273.0	0.2	1.2	0.0	273.2	1	
14	20	-9177	-10	-2	0	-0	-0	660.2	0.5	2.1	0.0	660.7	1	
15	20	-6511	-6	-1	0	-0	-0	468.4	0.3	1.2	0.0	468.7	1	
16	20	-7176	-6	-1	0	-0	-0	516.3	0.4	1.2	0.0	516.6	1	
17	20	-4213	-6	-1	0	-0	0	303.1	0.2	1.2	0.0	303.3	1	
1A	39	-5025	-9	-1	0	0	-2	361.5	9.9	1.9	0.0	371.4	6	
1E	39	-4959	-9	-1	0	0	-2	356.8	9.9	1.9	0.0	366.7	6	
1I	39	-5023	-9	-1	0	0	-2	361.3	10.3	1.9	0.0	371.6	6	
1M	39	-4961	-9	-1	0	0	-2	356.9	10.3	1.9	0.0	367.2	6	
2	39	-9018	-13	-2	0	0	-2	648.8	15.0	2.6	0.0	663.8	6	
3	39	-6222	-8	-1	0	0	-1	447.6	9.3	1.6	0.0	456.9	6	
4	39	-6856	-8	-1	0	0	-1	493.2	9.4	1.6	0.0	502.6	6	
5	39	-4212	-8	-1	0	0	-1	303.0	9.1	1.6	0.0	312.2	6	
6	39	-8247	-13	-2	0	0	-2	593.3	15.2	2.7	0.0	608.5	6	
7	39	-6000	-8	-1	0	0	-1	431.7	9.4	1.6	0.0	441.0	6	
8	39	-6876	-8	-1	0	0	-1	494.7	9.6	1.6	0.0	504.3	6	
9	39	-3460	-8	-1	0	0	-1	248.9	9.3	1.7	0.0	258.2	6	
10	39	-8218	-13	-2	0	0	-2	591.2	14.7	2.6	0.0	606.0	6	
11	39	-5623	-8	-1	0	0	-1	404.5	9.1	1.6	0.0	413.6	6	
12	39	-6212	-8	-1	0	0	-1	446.9	9.2	1.6	0.0	456.1	6	
13	39	-3795	-8	-1	0	0	-1	273.0	9.0	1.6	0.0	282.0	6	
14	39	-9177	-14	-2	0	0	-2	660.2	15.5	2.7	0.0	675.7	6	
15	39	-6511	-8	-1	0	0	-1	468.4	9.1	1.6	0.0	477.5	6	
16	39	-7176	-8	-1	0	0	-1	516.3	9.2	1.6	0.0	525.5	6	
17	39	-4213	-8	-1	0	0	-1	303.1	8.9	1.6	0.0	312.0	6	

ASTA NUM. 17 NI 167 NF 183 Lungh. 53.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	10.9115	10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-14346	2	-1	0	0	-1	1032.1	5.2	0.5	0.0	1037.3	6	
1E	0	-14254	2	-1	0	0	-1	1025.5	5.2	0.5	0.0	1030.7	6	
1I	0	-14370	2	-1	0	0	-1	1033.8	4.9	0.5	0.0	1038.7	6	
1M	0	-14230	2	-1	0	0	-1	1023.7	4.9	0.5	0.0	1028.6	6	
2	0	-21180	5	-2	0	0	-1	1523.7	7.9	0.9	0.0	1531.6	6	
3	0	-12610	3	-1	0	0	-1	907.2	5.4	0.7	0.0	912.6	6	
4	0	-13800	3	-1	0	0	-1	992.8	5.1	0.6	0.0	997.9	6	
5	0	-11270	3	-1	0	0	-1	810.8	5.0	0.6	0.0	815.7	6	
6	0	-23480	3	-3	0	0	-1	1689.2	6.4	0.6	0.0	1695.6	6	
7	0	-13770	2	-2	0	0	-1	990.6	4.7	0.5	0.0	995.3	6	
8	0	-15700	2	-2	0	0	-1	1129.5	4.2	0.4	0.0	1133.7	6	
9	0	-12490	2	-2	0	0	-1	898.6	4.0	0.4	0.0	902.6	6	
10	0	-20230	5	-2	0	0	-1	1455.4	7.7	0.9	0.0	1463.1	6	
11	0	-11880	3	-1	0	0	-1	854.7	5.2	0.7	0.0	859.9	6	
12	0	-13010	3	-1	0	0	-1	936.0	4.9	0.6	0.0	940.9	6	
13	0	-10590	3	-1	0	0	-1	761.9	4.9	0.6	0.0	766.8	6	
14	0	-22960	4	-3	0	0	-1	1651.8	7.2	0.7	0.0	1659.0	6	
15	0	-13340	2	-1	0	0	-1	959.7	4.8	0.5	0.0	964.5	6	
16	0	-15040	2	-2	0	0	-1	1082.0	4.3	0.5	0.0	1086.3	6	
17	0	-12040	2	-1	0	0	-1	866.2	4.2	0.5	0.0	870.4	6	
1A	26	-14346	-0	-1	0	1	-0	1032.1	4.9	0.2	0.0	1037.0	1	
1E	26	-14254	-0	-1	0	1	-0	1025.5	4.9	0.2	0.0	1030.4	1	
1I	26	-14370	-0	-1	0	1	-0	1033.8	4.7	0.3	0.0	1038.5	1	
1M	26	-14230	-0	-1	0	1	-0	1023.7	4.7	0.3	0.0	1028.4	1	

2	26	-21180	1	-2	0	1	-1	1523.7	6.1	0.5	0.0	1529.8	1
3	26	-12610	1	-1	0	0	-0	907.2	3.5	0.3	0.0	910.7	1
4	26	-13800	1	-1	0	0	-0	992.8	3.2	0.3	0.0	996.0	1
5	26	-11270	1	-1	0	0	-0	810.8	3.4	0.3	0.0	814.2	1
6	26	-23480	-1	-3	0	1	-1	1689.2	7.6	0.5	0.0	1696.8	1
7	26	-13770	-0	-2	0	1	-0	990.6	4.4	0.3	0.0	995.0	1
8	26	-15700	-0	-2	0	0	-0	1129.5	4.1	0.3	0.0	1133.6	1
9	26	-12490	-1	-2	0	1	-0	898.6	4.3	0.3	0.0	902.9	1
10	26	-20230	0	-2	0	1	-0	1455.4	6.1	0.5	0.0	1461.5	1
11	26	-11880	1	-1	0	0	-0	854.7	3.5	0.3	0.0	858.2	1
12	26	-13010	1	-1	0	0	-0	936.0	3.1	0.3	0.0	939.1	1
13	26	-10590	1	-1	0	0	-0	761.9	3.4	0.3	0.0	765.3	1
14	26	-22960	-1	-3	0	1	-1	1651.8	7.3	0.5	0.0	1659.1	1
15	26	-13340	-0	-1	0	1	-0	959.7	4.2	0.3	0.0	963.9	1
16	26	-15040	-0	-2	0	0	-0	1082.0	3.8	0.3	0.0	1085.8	1
17	26	-12040	-0	-1	0	1	-0	866.2	4.1	0.3	0.0	870.3	1
1A	53	-14346	-3	-1	0	1	-1	1032.1	7.9	0.7	0.0	1040.0	6
1E	53	-14254	-3	-1	0	1	-1	1025.5	7.9	0.7	0.0	1033.4	6
1I	53	-14370	-3	-1	0	1	-1	1033.8	8.2	0.7	0.0	1042.1	1
1M	53	-14230	-3	-1	0	1	-1	1023.7	8.2	0.7	0.0	1031.9	1
2	53	-21180	-4	-2	0	1	-1	1523.7	10.7	0.7	0.0	1534.5	1
3	53	-12610	-2	-1	0	1	-0	907.2	6.0	0.4	0.0	913.2	1
4	53	-13800	-2	-1	0	1	-0	992.8	5.7	0.4	0.0	998.5	1
5	53	-11270	-2	-1	0	1	-0	810.8	5.9	0.4	0.0	816.7	1
6	53	-23480	-5	-3	0	2	-2	1689.2	14.1	1.1	0.0	1703.3	1
7	53	-13770	-3	-2	0	1	-1	990.6	7.8	0.6	0.0	998.5	1
8	53	-15700	-3	-2	0	1	-1	1129.5	7.9	0.6	0.0	1137.4	6
9	53	-12490	-3	-2	0	1	-1	898.6	8.0	0.6	0.0	906.6	1
10	53	-20230	-4	-2	0	1	-1	1455.4	10.9	0.7	0.0	1466.3	1
11	53	-11880	-2	-1	0	1	-0	854.7	6.1	0.4	0.0	860.7	1
12	53	-13010	-2	-1	0	1	-0	936.0	5.7	0.4	0.0	941.7	1
13	53	-10590	-2	-1	0	1	-0	761.9	5.9	0.4	0.0	767.8	1
14	53	-22960	-5	-3	0	2	-1	1651.8	13.4	1.0	0.0	1665.2	1
15	53	-13340	-3	-1	0	1	-1	959.7	7.4	0.5	0.0	967.1	1
16	53	-15040	-3	-2	0	1	-1	1082.0	7.3	0.6	0.0	1089.3	1
17	53	-12040	-3	-1	0	1	-1	866.2	7.5	0.6	0.0	873.7	1

ASTA NUM. 18 NI 183 NF 142 Lungh. 43.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 10.9115 10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13819	-6	4	0	1	-1	994.2	8.9	1.3	0.0	1003.1	1	
1E	0	-13741	-6	4	0	1	-1	988.6	8.9	1.3	0.0	997.4	1	
1I	0	-13848	-6	4	0	1	-1	996.3	8.5	1.3	0.0	1004.8	1	
1M	0	-13712	-6	4	0	1	-1	986.5	8.5	1.3	0.0	995.0	1	
2	0	-20620	-8	5	0	1	-1	1483.5	10.6	1.5	0.0	1494.1	1	
3	0	-12360	-4	3	0	1	-0	889.2	6.0	0.9	0.0	895.2	1	
4	0	-12380	-4	3	0	1	-0	890.6	5.6	0.9	0.0	896.2	1	
5	0	-11150	-4	3	0	1	-0	802.2	5.8	0.9	0.0	808.0	1	
6	0	-22670	-9	6	0	2	-2	1630.9	14.1	1.9	0.0	1645.0	6	
7	0	-13410	-5	4	0	1	-1	964.7	7.8	1.1	0.0	972.5	1	
8	0	-13900	-6	3	0	1	-1	1000.0	7.8	1.1	0.0	1007.8	6	
9	0	-12290	-6	4	0	1	-1	884.2	8.0	1.1	0.0	892.1	1	
10	0	-19520	-8	5	0	1	-1	1404.3	10.8	1.5	0.0	1415.1	1	
11	0	-11540	-4	3	0	1	-0	830.2	6.0	0.9	0.0	836.2	1	
12	0	-11500	-4	3	0	1	-0	827.3	5.5	0.9	0.0	832.9	1	
13	0	-10400	-4	3	0	1	-0	748.2	5.9	0.9	0.0	754.1	1	
14	0	-22180	-9	6	0	2	-1	1595.7	13.3	1.9	0.0	1608.9	1	
15	0	-12990	-5	3	0	1	-1	934.5	7.4	1.0	0.0	941.9	1	
16	0	-13260	-5	3	0	1	-1	954.0	7.1	1.1	0.0	961.1	1	
17	0	-11880	-5	3	0	1	-1	854.7	7.5	1.1	0.0	862.1	1	
1A	22	-13819	-9	4	0	0	-3	994.2	16.1	1.7	0.0	1010.3	6	
1E	22	-13741	-9	4	0	0	-3	988.6	16.1	1.7	0.0	1004.7	6	
1I	22	-13848	-9	4	0	0	-3	996.3	16.2	1.8	0.0	1012.5	6	
1M	22	-13712	-9	4	0	0	-3	986.5	16.2	1.8	0.0	1002.7	6	
2	22	-20620	-11	5	0	0	-3	1483.5	18.5	2.2	0.0	1502.0	6	
3	22	-12360	-6	3	0	0	-2	889.2	10.3	1.3	0.0	899.5	6	
4	22	-12380	-6	3	0	0	-2	890.6	10.5	1.3	0.0	901.1	6	
5	22	-11150	-6	3	0	0	-2	802.2	10.3	1.3	0.0	812.4	6	
6	22	-22670	-13	6	0	0	-4	1630.9	25.6	2.6	0.0	1656.5	6	
7	22	-13410	-7	4	0	0	-2	964.7	14.1	1.5	0.0	978.8	6	
8	22	-13900	-8	3	0	0	-2	1000.0	15.0	1.5	0.0	1015.0	6	
9	22	-12290	-8	4	0	0	-2	884.2	14.7	1.5	0.0	898.9	6	
10	22	-19520	-11	5	0	0	-3	1404.3	18.7	2.2	0.0	1423.0	6	
11	22	-11540	-6	3	0	0	-2	830.2	10.3	1.3	0.0	840.5	6	
12	22	-11500	-6	3	0	0	-2	827.3	10.4	1.3	0.0	837.8	6	
13	22	-10400	-6	3	0	0	-2	748.2	10.2	1.3	0.0	758.4	6	
14	22	-22180	-13	6	0	0	-4	1595.7	24.4	2.6	0.0	1620.1	6	
15	22	-12990	-7	3	0	0	-2	934.5	13.3	1.5	0.0	947.8	6	
16	22	-13260	-7	3	0	0	-2	954.0	14.0	1.5	0.0	968.0	6	
17	22	-11880	-7	3	0	0	-2	854.7	13.7	1.5	0.0	868.4	6	
1A	43	-13819	-11	4	0	-1	-5	994.2	30.3	2.2	0.0	1024.5	6	
1E	43	-13741	-11	4	0	-1	-5	988.6	30.3	2.2	0.0	1018.9	6	
1I	43	-13848	-11	4	0	-1	-5	996.3	30.6	2.2	0.0	1026.9	6	
1M	43	-13712	-11	4	0	-1	-5	986.5	30.6	2.2	0.0	1017.1	6	
2	43	-20620	-14	5	0	-1	-6	1483.5	37.0	2.9	0.0	1520.5	6	
3	43	-12360	-8	3	0	-1	-3	889.2	21.3	1.7	0.0	910.5	6	
4	43	-12380	-9	3	0	-0	-3	890.6	21.3	1.7	0.0	911.9	6	
5	43	-11150	-9	3	0	-1	-3	802.2	21.3	1.7	0.0	823.5	6	
6	43	-22670	-16	6	0	-1	-7	1630.9	46.7	3.2	0.0	1677.6	6	
7	43	-13410	-9	4	0	-1	-4	964.7	26.5	1.9	0.0	991.3	6	
8	43	-13900	-10	3	0	-1	-4	1000.0	27.3	2.0	0.0	1027.3	6	
9	43	-12290	-10	4	0	-1	-4	884.2	27.4	2.0	0.0	911.5	6	
10	43	-19520	-14	5	0	-1	-6	1404.3	37.1	2.9	0.0	1441.4	6	
11	43	-11540	-8	3	0	-1	-3	830.2	21.2	1.7	0.0	851.4	6	
12	43	-11500	-9	3	0	-0	-3	827.3	21.1	1.7	0.0	848.4	6	
13	43	-10400	-9	3	0	-1	-3	748.2	21.2	1.7	0.0	769.4	6	
14	43	-22180	-16	6	0	-1	-7	1595.7	45.8	3.3	0.0	1641.5	6	
15	43	-12990	-9	3	0	-1	-4	934.5	25.4	1.9	0.0	960.0	6	
16	43	-13260	-9	3	0	-0	-4	954.0	26.0	1.9	0.0	979.9	6	
17	43	-11880	-9	3	0	-1	-4	854.7	26.0	1.9	0.0	880.7	6	

ASTA NUM. 19 NI 142 NF 161 Lungh. 66.3 cm SEZ. 16 Ps L 50X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 3.0536 3.0536 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-334	1	0	0	0	0	85.8	0.8	0.8	0.0	86.6	1	
1E	0	-329	1	0	0	0	0	84.5	0.8	0.8	0.0	85.3	1	
1I	0	-334	1	0	0	0	0	85.8	0.8	0.8	0.0	86.6	1	
1M	0	-328	1	0	0	0	0	84.4	0.8	0.8	0.0	85.2	1	
2	0	-428	2	0	0	0	0	110.1	0.9	1.1	0.0	111.0	1	
3	0	-232	1	0	0	0	0	59.6	0.4	0.7	0.0	60.0	1	
4	0	-240	1	0	0	0	-0	61.6	1.9	0.7	0.0	63.5	1	
5	0	-240	1	0	0	0	0	61.6	0.2	0.7	0.0	61.8	1	
6	0	-536	2	0	0	0	0	137.7	1.2	1.2	0.0	138.9	1	
7	0	-283	1	0	0	0	0	72.7	0.6	0.7	0.0	73.3	1	
8	0	-306	1	0	0	0	-0	78.7	2.3	0.7	0.0	81.0	1	
9	0	-308	1	0	0	0	0	79.1	0.4	0.7	0.0	79.5	1	
10	0	-510	2	0	0	0	0	131.1	1.0	1.1	0.0	132.1	1	
11	0	-281	1	0	0	0	0	72.1	0.5	0.7	0.0	72.6	1	
12	0	-289	1	0	0	0	-0	74.2	2.0	0.7	0.0	76.2	1	
13	0	-285	1	0	0	0	0	73.3	0.3	0.7	0.0	73.7	1	
14	0	-546	2	0	0	0	0	140.3	1.1	1.2	0.0	141.4	1	
15	0	-287	1	0	0	0	0	73.7	0.5	0.7	0.0	74.3	1	
16	0	-310	1	0	0	0	-0	79.6	2.4	0.8	0.0	82.0	1	
17	0	-305	1	0	0	0	0	78.3	0.3	0.7	0.0	78.7	1	
1A	33	-334	0	0	0	-0	0	85.8	8.7	0.1	0.0	94.4	6	
1E	33	-329	0	0	0	-0	0	84.5	8.7	0.1	0.0	93.1	6	
1I	33	-334	0	0	0	-0	0	85.8	8.7	0.1	0.0	94.5	6	
1M	33	-328	0	0	0	-0	0	84.4	8.7	0.1	0.0	93.1	6	
2	33	-428	0	0	0	-0	0	110.1	12.0	0.1	0.0	122.1	6	
3	33	-232	0	0	0	-0	0	59.6	7.4	0.1	0.0	67.0	6	
4	33	-240	0	0	0	-0	0	61.6	6.9	0.1	0.0	68.5	6	
5	33	-240	0	0	0	-0	0	61.6	7.4	0.1	0.0	69.0	6	
6	33	-536	0	0	0	-0	0	137.7	12.6	0.2	0.0	150.3	6	
7	33	-283	0	0	0	-0	0	72.7	7.7	0.1	0.0	80.4	6	
8	33	-306	0	0	0	-0	0	78.7	7.2	0.1	0.0	85.9	6	
9	33	-308	0	0	0	-0	0	79.1	7.8	0.1	0.0	86.9	6	
10	33	-510	0	0	0	-0	0	131.1	12.2	0.1	0.0	143.3	6	
11	33	-281	0	0	0	-0	0	72.1	7.5	0.1	0.0	79.6	6	
12	33	-289	0	0	0	-0	0	74.2	7.0	0.1	0.0	81.2	6	
13	33	-285	0	0	0	-0	0	73.3	7.6	0.1	0.0	80.9	6	
14	33	-546	0	0	0	-0	0	140.3	13.2	0.2	0.0	153.5	6	
15	33	-287	0	0	0	-0	0	73.7	7.6	0.1	0.0	81.4	6	
16	33	-310	0	0	0	-0	0	79.6	7.1	0.1	0.0	86.7	6	
17	33	-305	0	0	0	-0	0	78.3	7.8	0.1	0.0	86.1	6	
1A	66	-334	-1	0	0	-0	0	85.8	4.0	0.7	0.0	89.8	1	
1E	66	-329	-1	0	0	-0	0	84.5	4.0	0.7	0.0	88.5	1	
1I	66	-334	-1	0	0	-0	0	85.8	4.1	0.7	0.0	89.8	1	
1M	66	-328	-1	0	0	-0	0	84.4	4.1	0.7	0.0	88.5	1	
2	66	-428	-1	0	0	-0	0	110.1	5.6	0.9	0.0	115.7	1	
3	66	-232	-1	0	0	-0	0	59.6	3.3	0.6	0.0	62.9	1	
4	66	-240	-1	0	0	-0	0	61.6	3.4	0.6	0.0	65.0	1	
5	66	-240	-1	0	0	-0	0	61.6	3.1	0.6	0.0	64.7	1	
6	66	-536	-1	0	0	-0	0	137.7	6.6	0.9	0.0	144.3	1	
7	66	-283	-1	0	0	-0	0	72.7	3.9	0.6	0.0	76.6	1	
8	66	-306	-1	0	0	-0	0	78.7	4.1	0.6	0.0	82.8	1	

9	66	-308	-1	0	0	-0	0	79.1	3.8	0.6	0.0	82.9	1
10	66	-510	-1	0	0	-0	0	131.1	5.7	0.9	0.0	136.7	1
11	66	-281	-1	0	0	-0	0	72.1	3.3	0.6	0.0	75.4	1
12	66	-289	-1	0	0	-0	0	74.2	3.4	0.6	0.0	77.6	1
13	66	-285	-1	0	0	-0	0	73.3	3.1	0.6	0.0	76.5	1
14	66	-546	-1	0	0	-0	0	140.3	6.5	1.0	0.0	146.8	1
15	66	-287	-1	0	0	-0	0	73.7	3.8	0.6	0.0	77.5	1
16	66	-310	-1	0	0	-0	0	79.6	4.0	0.6	0.0	83.6	1
17	66	-305	-1	0	0	-0	0	78.3	3.6	0.6	0.0	82.0	1

ASTA NUM. 20 NI 161 NF 140 Lungh. 66.3 cm SEZ. 16 Ps L 50X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-329	1	-0	0	-0	0	84.5	3.9	0.7	0.0	88.4	1	
1E	0	-324	1	-0	0	-0	0	83.2	3.9	0.7	0.0	87.1	1	
1I	0	-329	1	-0	0	-0	0	84.5	3.9	0.7	0.0	88.4	1	
1M	0	-323	1	-0	0	-0	0	83.2	3.9	0.7	0.0	87.1	1	
2	0	-456	1	-0	0	-0	0	117.3	5.3	1.0	0.0	122.6	1	
3	0	-266	1	-0	0	-0	0	68.4	3.1	0.6	0.0	71.5	1	
4	0	-241	1	-0	0	-0	0	61.9	2.7	0.6	0.0	64.6	1	
5	0	-268	1	-0	0	-0	0	69.0	3.1	0.6	0.0	72.1	1	
6	0	-533	1	-0	0	-0	0	137.0	6.5	1.0	0.0	143.5	1	
7	0	-307	1	-0	0	-0	0	79.0	3.8	0.6	0.0	82.7	1	
8	0	-282	1	-0	0	-0	0	72.5	3.4	0.6	0.0	75.9	1	
9	0	-321	1	-0	0	-0	0	82.4	3.9	0.6	0.0	86.3	1	
10	0	-503	1	-0	0	-0	0	129.3	5.5	1.0	0.0	134.8	1	
11	0	-293	1	-0	0	-0	0	75.3	3.2	0.6	0.0	78.5	1	
12	0	-277	1	-0	0	-0	0	71.1	2.8	0.6	0.0	73.9	1	
13	0	-292	1	-0	0	-0	0	75.0	3.2	0.6	0.0	78.2	1	
14	0	-543	1	-0	0	-0	0	139.6	6.4	1.0	0.0	146.0	1	
15	0	-311	1	-0	0	-0	0	80.0	3.7	0.6	0.0	83.7	1	
16	0	-299	1	-0	0	-0	0	76.9	3.3	0.6	0.0	80.2	1	
17	0	-317	1	-0	0	-0	0	81.4	3.7	0.6	0.0	85.2	1	
1A	33	-329	-0	-0	0	-0	0	84.5	8.8	0.1	0.0	93.3	6	
1E	33	-324	-0	-0	0	-0	0	83.2	8.8	0.1	0.0	92.0	6	
1I	33	-329	-0	-0	0	-0	0	84.5	8.8	0.1	0.0	93.3	6	
1M	33	-323	-0	-0	0	-0	0	83.2	8.8	0.1	0.0	92.0	6	
2	33	-456	-0	-0	0	-0	0	117.3	12.3	0.1	0.0	129.6	6	
3	33	-266	-0	-0	0	-0	0	68.4	7.6	0.1	0.0	76.0	6	
4	33	-241	-0	-0	0	-0	0	61.9	7.9	0.0	0.0	69.9	6	
5	33	-268	-0	-0	0	-0	0	69.0	7.5	0.1	0.0	76.5	6	
6	33	-533	-0	-0	0	-0	0	137.0	12.8	0.2	0.0	149.9	6	
7	33	-307	-0	-0	0	-0	0	79.0	7.9	0.1	0.0	86.9	6	
8	33	-282	-0	-0	0	-0	0	72.5	8.3	0.0	0.0	80.8	6	
9	33	-321	-0	-0	0	-0	0	82.4	7.8	0.1	0.0	90.2	6	
10	33	-503	-0	-0	0	-0	0	129.3	12.4	0.1	0.0	141.7	6	
11	33	-293	-0	-0	0	-0	0	75.3	7.7	0.1	0.0	83.0	6	
12	33	-277	-0	-0	0	-0	0	71.1	8.1	0.0	0.0	79.2	6	
13	33	-292	-0	-0	0	-0	0	75.0	7.5	0.1	0.0	82.5	6	
14	33	-543	-0	-0	0	-0	0	139.6	13.5	0.2	0.0	153.1	6	
15	33	-311	-0	-0	0	-0	0	80.0	7.9	0.1	0.0	87.9	6	
16	33	-299	-0	-0	0	-0	0	76.9	8.4	0.0	0.0	85.3	6	
17	33	-317	-0	-0	0	-0	0	81.4	7.7	0.1	0.0	89.1	6	
1A	66	-329	-1	-0	0	0	0	84.5	0.7	0.8	0.0	85.1	1	
1E	66	-324	-1	-0	0	0	0	83.2	0.7	0.8	0.0	83.9	1	
1I	66	-329	-1	-0	0	0	0	84.5	0.7	0.8	0.0	85.2	1	
1M	66	-323	-1	-0	0	0	0	83.2	0.7	0.8	0.0	83.8	1	
2	66	-456	-2	-0	0	0	0	117.3	1.2	1.1	0.0	118.5	6	
3	66	-266	-1	-0	0	0	0	68.4	0.8	0.7	0.0	69.2	6	
4	66	-241	-1	-0	0	-0	0	61.9	1.4	0.7	0.0	63.4	6	
5	66	-268	-1	-0	0	0	0	69.0	0.9	0.7	0.0	69.9	1	
6	66	-533	-2	-0	0	0	0	137.0	1.2	1.1	0.0	138.2	1	
7	66	-307	-1	-0	0	0	0	79.0	0.8	0.7	0.0	79.8	1	
8	66	-282	-1	-0	0	-0	0	72.5	1.5	0.7	0.0	74.0	6	
9	66	-321	-1	-0	0	0	0	82.4	0.9	0.7	0.0	83.3	1	
10	66	-503	-2	-0	0	0	0	129.3	0.8	1.1	0.0	130.1	6	
11	66	-293	-1	-0	0	0	0	75.3	0.6	0.7	0.0	75.9	6	
12	66	-277	-1	-0	0	-0	0	71.1	1.4	0.7	0.0	72.6	6	
13	66	-292	-1	-0	0	0	0	75.0	0.6	0.7	0.0	75.6	1	
14	66	-543	-2	-0	0	0	0	139.6	1.1	1.2	0.0	140.7	1	
15	66	-311	-1	-0	0	0	0	80.0	0.7	0.7	0.0	80.7	1	
16	66	-299	-1	-0	0	-0	0	76.9	1.7	0.7	0.0	78.6	6	
17	66	-317	-1	-0	0	0	0	81.4	0.8	0.7	0.0	82.2	1	

ASTA NUM. 21 NI 143 NF 166 Lungh. 66.3 cm SEZ. 16 Ps L 50X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	337	1	0	0	0	-0	86.7	0.7	0.7	0.0	87.3	6	
1E	0	342	1	0	0	0	-0	87.9	0.7	0.7	0.0	88.6	6	
1I	0	337	1	0	0	0	-0	86.6	0.7	0.7	0.0	87.3	6	
1M	0	342	1	0	0	0	-0	88.0	0.7	0.7	0.0	88.7	6	
2	0	466	1	0	0	0	-0	119.7	1.0	1.0	0.0	120.7	6	
3	0	291	1	0	0	-0	-0	74.8	1.1	0.6	0.0	75.9	6	
4	0	254	1	0	0	-0	-0	65.3	1.3	0.6	0.0	66.6	6	
5	0	220	1	0	0	0	-0	56.5	0.6	0.6	0.0	57.1	6	
6	0	553	1	0	0	0	-0	142.2	1.1	0.9	0.0	143.4	6	
7	0	347	1	0	0	0	-0	89.2	1.4	0.6	0.0	90.5	6	
8	0	306	1	0	0	-0	-0	78.6	1.3	0.6	0.0	79.9	6	
9	0	263	1	0	0	0	-0	67.7	0.6	0.6	0.0	68.3	6	
10	0	503	1	0	0	0	-0	129.3	1.1	1.0	0.0	130.4	6	
11	0	312	1	0	0	0	-0	80.2	1.1	0.6	0.0	81.3	6	
12	0	279	1	0	0	-0	-0	71.8	1.3	0.6	0.0	73.1	6	
13	0	240	1	0	0	0	-0	61.6	0.5	0.6	0.0	62.1	6	
14	0	543	1	0	0	0	-0	139.6	1.3	1.0	0.0	140.9	6	
15	0	338	1	0	0	0	-0	86.9	1.4	0.6	0.0	88.3	6	
16	0	302	1	0	0	-0	-0	77.7	1.5	0.6	0.0	79.2	6	
17	0	251	1	0	0	0	-0	64.4	0.5	0.6	0.0	65.0	6	
1A	33	337	-0	0	0	-0	0	86.7	5.6	0.1	0.0	92.2	6	
1E	33	342	-0	0	0	-0	0	87.9	5.6	0.1	0.0	93.5	6	
1I	33	337	-0	0	0	-0	0	86.6	5.6	0.1	0.0	92.2	6	
1M	33	342	-0	0	0	-0	0	88.0	5.6	0.1	0.0	93.6	6	
2	33	466	-0	0	0	-0	0	119.7	7.8	0.1	0.0	127.5	6	
3	33	291	-0	0	0	-0	0	74.8	4.8	0.0	0.0	79.6	6	
4	33	254	-0	0	0	-0	0	65.3	4.9	0.0	0.0	70.2	6	
5	33	220	-0	0	0	-0	0	56.5	5.0	0.1	0.0	61.5	6	
6	33	553	-0	0	0	-0	0	142.2	7.5	0.1	0.0	149.7	6	
7	33	347	-0	0	0	-0	0	89.2	4.6	0.1	0.0	93.8	6	
8	33	306	-0	0	0	-0	0	78.6	4.7	0.0	0.0	83.3	6	
9	33	263	-0	0	0	-0	0	67.7	4.8	0.1	0.0	72.5	6	
10	33	503	-0	0	0	-0	0	129.3	7.7	0.1	0.0	137.0	6	
11	33	312	-0	0	0	-0	0	80.2	4.8	0.1	0.0	84.9	6	
12	33	279	-0	0	0	-0	0	71.8	4.8	0.0	0.0	76.6	6	
13	33	240	-0	0	0	-0	0	61.6	5.0	0.1	0.0	66.6	6	
14	33	543	-0	0	0	-0	0	139.6	8.2	0.2	0.0	147.8	6	
15	33	338	-0	0	0	-0	0	86.9	4.6	0.1	0.0	91.5	6	
16	33	302	-0	0	0	-0	0	77.7	4.7	0.1	0.0	82.3	6	
17	33	251	-0	0	0	-0	0	64.4	4.9	0.1	0.0	69.3	6	
1A	66	337	-1	0	0	-0	-0	86.7	3.9	0.8	0.0	90.6	1	
1E	66	342	-1	0	0	-0	-0	87.9	3.9	0.8	0.0	91.9	1	
1I	66	337	-1	0	0	-0	-0	86.6	3.9	0.8	0.0	90.6	1	
1M	66	342	-1	0	0	-0	-0	88.0	3.9	0.8	0.0	91.9	1	
2	66	466	-2	0	0	-0	-0	119.7	5.2	1.1	0.0	124.8	6	
3	66	291	-1	0	0	-0	-0	74.8	2.5	0.7	0.0	77.3	6	
4	66	254	-1	0	0	-0	-0	65.3	2.7	0.7	0.0	68.0	6	
5	66	220	-1	0	0	-0	-0	56.5	3.2	0.7	0.0	59.7	1	
6	66	553	-2	0	0	-0	-0	142.2	6.5	1.1	0.0	148.7	1	
7	66	347	-1	0	0	-0	-0	89.2	2.9	0.7	0.0	92.1	1	
8	66	306	-1	0	0	-0	-0	78.6	3.4	0.7	0.0	82.0	6	
9	66	263	-1	0	0	-0	-0	67.7	4.1	0.7	0.0	71.8	1	
10	66	503	-2	0	0	-0	-0	129.3	5.8	1.1	0.0	135.1	1	
11	66	312	-1	0	0	-0	-0	80.2	2.8	0.7	0.0	83.0	1	
12	66	279	-1	0	0	-0	-0	71.8	3.1	0.7	0.0	74.9	6	
13	66	240	-1	0	0	-0	-0	61.6	3.5	0.7	0.0	65.1	1	
14	66	543	-2	0	0	-0	-0	139.6	6.6	1.2	0.0	146.3	1	
15	66	338	-1	0	0	-0	-0	86.9	3.0	0.7	0.0	89.9	1	
16	66	302	-1	0	0	-0	-0	77.7	3.5	0.7	0.0	81.2	1	
17	66	251	-1	0	0	-0	-0	64.4	4.0	0.7	0.0	68.5	1	

ASTA NUM. 22 NI 166 NF 141 Lungh. 66.3 cm SEZ. 16 Ps L 50X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	342	1	-0	0	-0	-0	88.0	4.0	0.8	0.0	92.0	1	
1E	0	347	1	-0	0	-0	-0	89.3	4.0	0.8	0.0	93.3	1	
1I	0	342	1	-0	0	-0	-0	87.9	4.0	0.8	0.0	91.9	1	
1M	0	347	1	-0	0	-0	-0	89.3	4.0	0.8	0.0	93.3	1	
2	0	473	2	-0	0	-0	-0	121.7	5.4	1.1	0.0	127.1	6	
3	0	271	1	-0	0	-0	-0	69.6	3.1	0.7	0.0	72.8	6	
4	0	270	1	-0	0	-0	-0	69.3	3.1	0.7	0.0	72.4	6	

5	0	295	1	-0	0	-0	-0	75.9	3.3	0.7	0.0	79.2	1
6	0	556	2	-0	0	-0	-0	142.8	6.6	1.2	0.0	149.5	1
7	0	310	1	-0	0	-0	-0	79.6	3.8	0.7	0.0	83.4	6
8	0	324	1	-0	0	-0	-0	83.4	3.9	0.7	0.0	87.3	1
9	0	356	1	-0	0	-0	-0	91.6	4.1	0.7	0.0	95.8	1
10	0	510	2	-0	0	-0	-0	131.1	5.9	1.1	0.0	137.0	1
11	0	291	1	-0	0	-0	-0	74.8	3.4	0.7	0.0	78.2	6
12	0	286	1	-0	0	-0	-0	73.5	3.5	0.7	0.0	76.9	1
13	0	319	1	-0	0	-0	-0	82.0	3.5	0.7	0.0	85.5	1
14	0	546	2	-0	0	-0	-0	140.3	6.7	1.2	0.0	147.0	1
15	0	301	1	-0	0	-0	-0	77.3	3.8	0.7	0.0	81.1	6
16	0	307	1	-0	0	-0	-0	78.9	4.0	0.7	0.0	82.9	1
17	0	351	1	-0	0	-0	-0	90.2	4.0	0.7	0.0	94.3	1
1A	33	342	0	-0	0	-0	0	88.0	5.7	0.1	0.0	93.6	6
1E	33	347	0	-0	0	-0	0	89.3	5.7	0.1	0.0	94.9	6
1I	33	342	0	-0	0	-0	0	87.9	5.7	0.1	0.0	93.6	6
1M	33	347	0	-0	0	-0	0	89.3	5.7	0.1	0.0	94.9	6
2	33	473	0	-0	0	-0	0	121.7	8.0	0.1	0.0	129.6	6
3	33	271	0	-0	0	-0	0	69.6	5.3	0.1	0.0	74.9	6
4	33	270	0	-0	0	-0	0	69.3	5.1	0.1	0.0	74.5	6
5	33	295	0	-0	0	-0	0	75.9	5.0	0.1	0.0	80.9	6
6	33	556	0	-0	0	-0	0	142.8	7.6	0.2	0.0	150.5	6
7	33	310	0	-0	0	-0	0	79.6	5.2	0.1	0.0	84.8	6
8	33	324	0	-0	0	-0	0	83.4	4.9	0.1	0.0	88.3	6
9	33	356	0	-0	0	-0	0	91.6	4.8	0.1	0.0	96.4	6
10	33	510	0	-0	0	-0	0	131.1	7.8	0.1	0.0	138.9	6
11	33	291	0	-0	0	-0	0	74.8	5.2	0.1	0.0	80.0	6
12	33	286	0	-0	0	-0	0	73.5	5.1	0.1	0.0	78.6	6
13	33	319	0	-0	0	-0	0	82.0	4.9	0.1	0.0	86.9	6
14	33	546	0	-0	0	-0	0	140.3	8.3	0.2	0.0	148.6	6
15	33	301	0	-0	0	-0	0	77.3	5.2	0.1	0.0	82.5	6
16	33	307	0	-0	0	-0	0	78.9	5.0	0.1	0.0	83.9	6
17	33	351	0	-0	0	-0	0	90.2	4.8	0.1	0.0	95.0	6
1A	66	342	-1	-0	0	0	0	88.0	0.7	0.7	0.0	88.6	1
1E	66	347	-1	-0	0	0	0	89.3	0.7	0.7	0.0	89.9	1
1I	66	342	-1	-0	0	0	0	87.9	0.7	0.7	0.0	88.6	1
1M	66	347	-1	-0	0	0	0	89.3	0.7	0.7	0.0	90.0	1
2	66	473	-1	-0	0	0	0	121.7	1.0	0.9	0.0	122.7	1
3	66	271	-1	-0	0	0	0	69.6	0.9	0.6	0.0	70.5	1
4	66	270	-1	-0	0	0	0	69.3	1.4	0.6	0.0	70.7	1
5	66	295	-1	-0	0	0	0	75.9	0.8	0.6	0.0	76.7	1
6	66	556	-1	-0	0	0	-0	142.8	1.2	0.9	0.0	144.0	1
7	66	310	-1	-0	0	0	0	79.6	1.0	0.6	0.0	80.6	1
8	66	324	-1	-0	0	0	0	83.4	1.7	0.6	0.0	85.1	1
9	66	356	-1	-0	0	0	0	91.6	0.9	0.6	0.0	92.5	1
10	66	510	-1	-0	0	0	-0	131.1	1.2	0.9	0.0	132.2	1
11	66	291	-1	-0	0	0	0	74.8	0.7	0.6	0.0	75.5	1
12	66	286	-1	-0	0	0	0	73.5	1.4	0.6	0.0	74.9	1
13	66	319	-1	-0	0	0	0	82.0	0.8	0.6	0.0	82.7	1
14	66	546	-1	-0	0	0	-0	140.3	1.3	1.0	0.0	141.6	1
15	66	301	-1	-0	0	0	0	77.3	1.1	0.6	0.0	78.4	1
16	66	307	-1	-0	0	0	0	78.9	1.9	0.6	0.0	80.8	1
17	66	351	-1	-0	0	0	-0	90.2	1.1	0.6	0.0	91.3	1

ASTA NUM. 23 NI 161 NF 183 Lungh. 79.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-480	1	0	0	0	-0	155.8	4.6	1.0	0.0	160.4	6	
1E	0	-465	1	0	0	0	-0	151.0	4.6	1.0	0.0	155.6	6	
1I	0	-476	1	0	0	0	-0	154.5	4.6	1.0	0.0	159.0	6	
1M	0	-469	1	0	0	0	-0	152.3	4.6	1.0	0.0	156.9	6	
2	0	-503	1	0	0	0	-0	163.2	5.6	1.3	0.0	168.8	1	
3	0	-231	1	0	0	0	-0	75.0	3.2	0.8	0.0	78.2	1	
4	0	-1260	1	0	0	0	-0	409.1	3.0	0.8	0.0	412.1	1	
5	0	-104	1	0	0	0	-0	33.8	3.2	0.8	0.0	37.0	6	
6	0	-726	1	0	0	0	-0	235.8	7.1	1.3	0.0	243.0	6	
7	0	-327	1	0	0	0	-0	106.2	3.9	0.8	0.0	110.1	6	
8	0	-1606	1	0	0	0	-0	521.4	3.9	0.8	0.0	525.4	6	
9	0	-181	1	0	0	0	-0	58.9	4.2	0.8	0.0	63.1	6	
10	0	-630	1	0	0	0	-0	204.5	5.5	1.3	0.0	210.0	1	
11	0	-309	1	0	0	0	-0	100.2	3.1	0.8	0.0	103.3	1	
12	0	-1340	1	0	0	0	-0	435.1	2.9	0.8	0.0	437.9	1	
13	0	-175	1	0	0	0	-0	56.8	3.1	0.8	0.0	59.9	6	
14	0	-697	2	0	0	0	-0	226.4	6.9	1.4	0.0	233.3	6	
15	0	-307	1	0	0	0	-0	99.6	3.7	0.8	0.0	103.3	1	
16	0	-1588	1	0	0	0	-0	515.6	3.5	0.8	0.0	519.1	6	
17	0	-149	1	0	0	0	-0	48.2	3.9	0.8	0.0	52.2	6	
1A	40	-480	0	0	0	0	0	155.8	10.6	0.1	0.0	166.4	6	
1E	40	-465	0	0	0	0	0	151.0	10.6	0.1	0.0	161.6	6	
1I	40	-476	0	0	0	0	0	154.5	10.7	0.1	0.0	165.1	6	
1M	40	-469	0	0	0	0	0	152.3	10.7	0.1	0.0	163.0	6	
2	40	-503	0	0	0	0	0	163.2	15.5	0.1	0.0	178.7	6	
3	40	-231	0	0	0	0	0	75.0	10.0	0.1	0.0	85.0	6	
4	40	-1260	0	0	0	0	0	409.1	9.7	0.1	0.0	418.8	6	
5	40	-104	0	0	0	0	0	33.8	9.8	0.1	0.0	43.6	6	
6	40	-726	0	0	0	0	0	235.8	14.7	0.1	0.0	250.6	6	
7	40	-327	0	0	0	0	0	106.2	9.7	0.1	0.0	115.9	6	
8	40	-1606	0	0	0	0	0	521.4	9.2	0.1	0.0	530.6	6	
9	40	-181	0	0	0	0	0	58.9	9.4	0.1	0.0	68.2	6	
10	40	-630	0	0	0	0	0	204.5	15.5	0.1	0.0	220.0	6	
11	40	-309	0	0	0	0	0	100.2	10.0	0.1	0.0	110.1	6	
12	40	-1340	0	0	0	0	0	435.1	9.7	0.1	0.0	444.8	6	
13	40	-175	0	0	0	0	0	56.8	9.8	0.1	0.0	66.6	6	
14	40	-697	0	0	0	0	0	226.4	16.1	0.1	0.0	242.4	6	
15	40	-307	0	0	0	0	0	99.6	9.8	0.1	0.0	109.4	6	
16	40	-1588	0	0	0	-0	0	515.6	9.4	0.1	0.0	525.0	6	
17	40	-149	0	0	0	0	0	48.2	9.5	0.1	0.0	57.7	6	
1A	79	-480	-1	0	0	-0	-0	155.8	2.1	0.8	0.0	157.8	1	
1E	79	-465	-1	0	0	-0	-0	151.0	2.1	0.8	0.0	153.0	1	
1I	79	-476	-1	0	0	-0	-0	154.5	2.0	0.8	0.0	156.4	1	
1M	79	-469	-1	0	0	-0	-0	152.3	2.0	0.8	0.0	154.2	1	
2	79	-503	-1	0	0	-0	0	163.2	2.5	1.2	0.0	165.7	1	
3	79	-231	-1	0	0	-0	0	75.0	1.4	0.7	0.0	76.4	1	
4	79	-1260	-1	0	0	-0	0	409.1	2.0	0.7	0.0	411.1	1	
5	79	-104	-1	0	0	-0	0	33.8	1.3	0.7	0.0	35.1	1	
6	79	-726	-1	0	0	-0	0	235.8	3.1	1.1	0.0	238.9	1	
7	79	-327	-1	0	0	-0	0	106.2	1.7	0.7	0.0	107.9	1	
8	79	-1606	-1	0	0	-0	0	521.4	2.5	0.7	0.0	524.0	1	
9	79	-181	-1	0	0	-0	0	58.9	1.6	0.7	0.0	60.5	1	
10	79	-630	-1	0	0	-0	0	204.5	2.6	1.2	0.0	207.2	1	
11	79	-309	-1	0	0	-0	0	100.2	1.5	0.7	0.0	101.6	1	
12	79	-1340	-1	0	0	-0	0	435.1	2.1	0.7	0.0	437.1	1	
13	79	-175	-1	0	0	-0	0	56.8	1.3	0.7	0.0	58.1	1	
14	79	-697	-1	0	0	-0	0	226.4	3.0	1.2	0.0	229.4	1	
15	79	-307	-1	0	0	-0	0	99.6	1.6	0.7	0.0	101.3	1	
16	79	-1588	-1	0	0	-0	0	515.6	2.4	0.7	0.0	518.0	1	
17	79	-149	-1	0	0	-0	0	48.2	1.5	0.7	0.0	49.8	1	

ASTA NUM. 24 NI 161 NF 184 Lungh. 79.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-254	1	-0	0	-0	-0	82.3	4.8	1.0	0.0	87.1	6	
1E	0	-239	1	-0	0	-0	-0	77.5	4.8	1.0	0.0	82.3	6	
1I	0	-250	1	-0	0	-0	-0	81.0	4.7	1.0	0.0	85.7	6	
1M	0	-243	1	-0	0	-0	-0	78.8	4.7	1.0	0.0	83.6	6	
2	0	-451	1	-0	0	-0	-0	146.4	5.9	1.3	0.0	152.3	6	
3	0	-327	1	-0	0	-0	-0	106.1	3.6	0.8	0.0	109.8	6	
4	0	715	1	-0	0	-0	-0	232.1	3.5	0.8	0.0	235.7	6	
5	0	-448	1	-0	0	-0	-0	145.4	3.5	0.8	0.0	148.9	6	
6	0	-459	1	-0	0	-0	-0	148.9	7.4	1.3	0.0	156.2	6	
7	0	-359	1	-0	0	-0	-0	116.6	4.6	0.8	0.0	121.2	6	
8	0	919	1	-0	0	-0	-0	298.3	4.5	0.8	0.0	302.8	6	
9	0	-518	1	-0	0	-0	-0	168.1	4.5	0.8	0.0	172.6	6	
10	0	-326	1	-0	0	-0	-0	106.0	5.7	1.3	0.0	111.6	6	
11	0	-247	1	-0	0	-0	-0	80.2	3.5	0.8	0.0	83.6	6	
12	0	793	1	-0	0	-0	-0	257.3	3.5	0.8	0.0	260.9	6	
13	0	-372	1	-0	0	-0	-0	120.7	3.3	0.8	0.0	124.1	6	
14	0	-429	2	-0	0	-0	-0	139.4	7.1	1.4	0.0	146.5	6	
15	0	-339	1	-0	0	-0	-0	110.0	4.3	0.8	0.0	114.3	6	
16	0	936	1	-0	0	-0	-0	304.0	4.4	0.8	0.0	308.5	6	
17	0	-502	1	-0	0	-0	-0	163.0	4.1	0.8	0.0	167.1	6	
1A	40	-254	0	-0	0	-0	0	82.3	10.6	0.1	0.0	93.0	6	
1E	40	-239	0	-0	0	-0	0	77.5	10.6	0.1	0.0	88.2	6	
1I	40	-250	0	-0	0	-0	0	81.0	10.6	0.1	0.0	91.7	6	
1M	40	-243	0	-0	0	-0	0	78.8	10.6	0.1	0.0	89.5	6	
2	40	-451	0	-0	0	-0	0	146.4	15.2	0.1	0.0	161.6	6	
3	40	-327	0	-0	0	-0	0	106.1	9.4	0.1	0.0	115.5	6	
4	40	715	0	-0	0	-0	0	232.1	9.7	0.1	0.0	241.9	6	
5	40	-448	0	-0	0	-0	0	145.4	9.5	0.1	0.0	154.9	6	
6	40	-459	0	-0	0	-0	0	148.9	14.6	0.1	0.0	163.5	6	
7	40	-359	0	-0	0	-0	0	116.6	9.0	0.1	0.0	125.6	6	
8	40	919	0	-0	0	-0	0	298.3	9.4	0.1	0.0	307.8	6	
9	40	-518	0	-0	0	-0	0	168.1	9.1	0.1	0.0	177.2	6	
10	40	-326	0	-0	0	-0	0	106.0	15.4	0.1	0.0	121.4	6	
11	40	-247	0	-0	0	-0	0	80.2	9.5	0.1	0.0	89.7	6	

12	40	793	0	-0	0	-0	0	257.3	9.7	0.1	0.0	267.0	6
13	40	-372	0	-0	0	-0	0	120.7	9.6	0.1	0.0	130.4	6
14	40	-429	0	-0	0	-0	0	139.4	16.0	0.1	0.0	155.4	6
15	40	-339	0	-0	0	-0	0	110.0	9.1	0.1	0.0	119.1	6
16	40	936	0	-0	0	-0	0	304.0	9.3	0.1	0.0	313.4	6
17	40	-502	0	-0	0	-0	0	163.0	9.2	0.1	0.0	172.3	6
1A	79	-254	-1	-0	0	0	-0	82.3	1.6	0.8	0.0	83.9	1
1E	79	-239	-1	-0	0	0	-0	77.5	1.6	0.8	0.0	79.1	1
1I	79	-250	-1	-0	0	0	-0	81.0	1.7	0.8	0.0	82.7	1
1M	79	-243	-1	-0	0	0	-0	78.8	1.7	0.8	0.0	80.5	1
2	79	-451	-1	-0	0	0	0	146.4	2.5	1.2	0.0	148.9	1
3	79	-327	-1	-0	0	0	0	106.1	1.5	0.7	0.0	107.7	1
4	79	715	-1	-0	0	0	0	232.1	0.8	0.7	0.0	233.0	1
5	79	-448	-1	-0	0	0	0	145.4	1.6	0.7	0.0	147.0	1
6	79	-459	-1	-0	0	0	0	148.9	2.9	1.1	0.0	151.8	1
7	79	-359	-1	-0	0	0	0	116.6	1.8	0.7	0.0	118.4	1
8	79	919	-1	-0	0	0	0	298.3	0.9	0.7	0.0	299.2	1
9	79	-518	-1	-0	0	0	0	168.1	1.8	0.7	0.0	170.0	1
10	79	-326	-1	-0	0	0	0	106.0	2.4	1.2	0.0	108.4	1
11	79	-247	-1	-0	0	0	0	80.2	1.5	0.7	0.0	81.6	1
12	79	793	-1	-0	0	0	0	257.3	0.7	0.7	0.0	258.1	1
13	79	-372	-1	-0	0	0	0	120.7	1.5	0.7	0.0	122.2	1
14	79	-429	-1	-0	0	0	0	139.4	2.8	1.2	0.0	142.2	1
15	79	-339	-1	-0	0	0	0	110.0	1.7	0.7	0.0	111.7	1
16	79	936	-1	-0	0	0	0	304.0	0.8	0.7	0.0	304.9	1
17	79	-502	-1	-0	0	0	0	163.0	1.8	0.7	0.0	164.8	1

ASTA NUM. 25 NI 183 NF 186 Lungh. 161.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	471	2	-0	0	-0	0	152.8	0.8	1.8	0.0	153.6	1	
1E	0	481	2	-0	0	-0	0	156.1	0.8	1.8	0.0	156.9	1	
1I	0	473	2	-0	0	-0	0	153.6	0.9	1.8	0.0	154.5	1	
1M	0	478	2	-0	0	-0	0	155.3	0.9	1.8	0.0	156.2	1	
2	0	504	3	-0	0	-0	-0	163.6	1.5	2.6	0.0	165.1	1	
3	0	230	2	-0	0	-0	-0	74.8	1.0	1.6	0.0	75.8	1	
4	0	1282	2	-0	0	-0	0	416.2	0.4	1.6	0.0	416.6	1	
5	0	101	2	-0	0	-0	0	32.8	0.8	1.6	0.0	33.5	1	
6	0	731	3	-0	0	-0	0	237.3	1.5	2.6	0.0	238.8	1	
7	0	328	2	-0	0	-0	-0	106.4	1.2	1.6	0.0	107.6	1	
8	0	1634	2	-0	0	-0	0	530.5	0.4	1.6	0.0	530.9	1	
9	0	179	2	-0	0	-0	0	58.1	0.9	1.6	0.0	59.0	1	
10	0	634	3	-0	0	-0	0	205.8	1.3	2.6	0.0	207.1	1	
11	0	310	2	-0	0	-0	0	100.5	0.8	1.6	0.0	101.3	1	
12	0	1364	2	-0	0	-0	0	442.9	0.3	1.6	0.0	443.2	1	
13	0	173	2	-0	0	-0	0	56.3	0.8	1.6	0.0	57.1	1	
14	0	701	3	-0	0	-0	0	227.7	1.5	2.7	0.0	229.1	1	
15	0	307	2	-0	0	-0	-0	99.8	1.1	1.6	0.0	100.9	1	
16	0	1616	2	-0	0	-0	0	524.7	0.3	1.6	0.0	525.0	1	
17	0	146	2	-0	0	-0	0	47.3	0.9	1.6	0.0	48.2	1	
1A	81	471	0	-0	0	0	1	152.8	51.3	0.0	0.0	204.1	6	
1E	81	481	0	-0	0	0	1	156.1	51.3	0.0	0.0	207.4	6	
1I	81	473	0	-0	0	0	1	153.6	51.2	0.0	0.0	204.8	6	
1M	81	478	0	-0	0	0	1	155.3	51.2	0.0	0.0	206.5	6	
2	81	504	0	-0	0	0	1	163.6	71.6	0.0	0.0	235.2	6	
3	81	230	0	-0	0	0	1	74.8	44.5	0.0	0.0	119.3	6	
4	81	1282	0	-0	0	0	1	416.2	44.8	0.0	0.0	461.0	6	
5	81	101	0	-0	0	0	1	32.8	44.7	0.0	0.0	77.4	6	
6	81	731	0	-0	0	0	1	237.3	71.7	0.0	0.0	309.0	6	
7	81	328	0	-0	0	0	1	106.4	44.5	0.0	0.0	150.9	6	
8	81	1634	0	-0	0	-0	1	530.5	44.9	0.0	0.0	575.4	6	
9	81	179	0	-0	0	0	1	58.1	44.7	0.0	0.0	102.8	6	
10	81	634	0	-0	0	0	1	205.8	71.7	0.0	0.0	277.5	6	
11	81	310	0	-0	0	0	1	100.5	44.6	0.0	0.0	145.1	6	
12	81	1364	0	-0	0	-0	1	442.9	44.7	0.0	0.0	487.6	6	
13	81	173	0	-0	0	0	1	56.3	44.7	0.0	0.0	101.0	6	
14	81	701	0	-0	0	0	1	227.7	76.9	0.0	0.0	304.5	6	
15	81	307	0	-0	0	0	1	99.8	44.5	0.0	0.0	144.3	6	
16	81	1616	0	-0	0	0	1	524.7	44.7	0.0	0.0	569.4	6	
17	81	146	0	-0	0	0	1	47.3	44.7	0.0	0.0	92.0	6	
1A	161	471	-2	-0	0	0	0	152.8	1.8	1.8	0.0	154.6	6	
1E	161	481	-2	-0	0	0	0	156.1	1.8	1.8	0.0	157.9	6	
1I	161	473	-2	-0	0	0	0	153.6	1.8	1.8	0.0	155.4	6	
1M	161	478	-2	-0	0	0	0	155.3	1.8	1.8	0.0	157.1	6	
2	161	504	-3	-0	0	0	0	163.6	2.4	2.5	0.0	166.0	6	
3	161	230	-2	-0	0	0	0	74.8	1.3	1.6	0.0	76.1	6	
4	161	1282	-2	-0	0	0	0	416.2	1.4	1.6	0.0	417.7	6	
5	161	101	-2	-0	0	0	0	32.8	1.4	1.6	0.0	34.2	6	
6	161	731	-3	-0	0	0	0	237.3	2.5	2.5	0.0	239.8	6	
7	161	328	-2	-0	0	0	0	106.4	1.3	1.6	0.0	107.7	1	
8	161	1634	-2	-0	0	0	0	530.5	1.5	1.6	0.0	532.1	6	
9	161	179	-2	-0	0	0	0	58.1	1.5	1.6	0.0	59.5	6	
10	161	634	-3	-0	0	0	0	205.8	2.4	2.5	0.0	208.2	6	
11	161	310	-2	-0	0	0	0	100.5	1.3	1.6	0.0	101.8	6	
12	161	1364	-2	-0	0	0	0	442.9	1.3	1.6	0.0	444.2	6	
13	161	173	-2	-0	0	0	0	56.3	1.4	1.6	0.0	57.7	6	
14	161	701	-3	-0	0	0	0	227.7	2.7	2.7	0.0	230.3	6	
15	161	307	-2	-0	0	0	0	99.8	1.3	1.6	0.0	101.1	1	
16	161	1616	-2	-0	0	0	0	524.7	1.4	1.6	0.0	526.1	6	
17	161	146	-2	-0	0	0	0	47.3	1.5	1.6	0.0	48.8	6	

ASTA NUM. 26 NI 184 NF 185 Lungh. 161.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	240	2	0	0	0	0	77.8	1.1	1.8	0.0	78.9	1	
1E	0	250	2	0	0	0	0	81.1	1.1	1.8	0.0	82.2	1	
1I	0	242	2	0	0	0	0	78.6	1.0	1.8	0.0	79.6	1	
1M	0	247	2	0	0	0	0	80.3	1.0	1.8	0.0	81.3	1	
2	0	451	3	0	0	0	0	146.5	1.4	2.6	0.0	147.8	1	
3	0	328	2	0	0	0	0	106.6	0.8	1.6	0.0	107.4	1	
4	0	-736	2	0	0	0	0	238.9	1.1	1.6	0.0	240.0	1	
5	0	452	2	0	0	0	0	146.8	0.7	1.6	0.0	147.5	1	
6	0	457	3	0	0	0	0	148.4	1.6	2.6	0.0	150.0	1	
7	0	360	2	0	0	0	0	117.0	0.9	1.6	0.0	117.9	1	
8	0	-945	2	0	0	0	0	306.8	1.3	1.6	0.0	308.2	1	
9	0	523	2	0	0	0	0	169.6	0.8	1.6	0.0	170.4	1	
10	0	324	3	0	0	0	0	105.2	1.4	2.6	0.0	106.6	1	
11	0	247	2	0	0	0	0	80.1	0.8	1.6	0.0	80.9	1	
12	0	-815	2	0	0	0	0	264.6	1.1	1.6	0.0	265.7	1	
13	0	375	2	0	0	0	0	121.6	0.7	1.6	0.0	122.3	1	
14	0	428	3	0	0	0	0	138.9	1.6	2.7	0.0	140.4	1	
15	0	340	2	0	0	0	0	110.4	0.9	1.6	0.0	111.3	1	
16	0	-963	2	0	0	0	0	312.6	1.3	1.6	0.0	313.9	1	
17	0	507	2	0	0	0	0	164.5	0.8	1.6	0.0	165.3	1	
1A	81	240	0	0	0	0	1	77.8	51.3	0.0	0.0	129.1	6	
1E	81	250	0	0	0	0	1	81.1	51.3	0.0	0.0	132.4	6	
1I	81	242	0	0	0	0	1	78.6	51.3	0.0	0.0	129.8	6	
1M	81	247	0	0	0	0	1	80.3	51.3	0.0	0.0	131.6	6	
2	81	451	0	0	0	-0	1	146.5	71.8	0.0	0.0	218.2	6	
3	81	328	0	0	0	-0	1	106.6	45.0	0.0	0.0	151.7	6	
4	81	-736	0	0	0	0	1	238.9	44.8	0.0	0.0	283.7	6	
5	81	452	0	0	0	-0	1	146.8	44.9	0.0	0.0	191.8	6	
6	81	457	0	0	0	-0	1	148.4	71.8	0.0	0.0	220.3	6	
7	81	360	0	0	0	-0	1	117.0	45.2	0.0	0.0	162.2	6	
8	81	-945	0	0	0	0	1	306.8	44.8	0.0	0.0	351.6	6	
9	81	523	0	0	0	-0	1	169.6	45.0	0.0	0.0	214.7	6	
10	81	324	0	0	0	-0	1	105.2	71.8	0.0	0.0	176.9	6	
11	81	247	0	0	0	-0	1	80.1	45.0	0.0	0.0	125.1	6	
12	81	-815	0	0	0	0	1	264.6	44.9	0.0	0.0	309.5	6	
13	81	375	0	0	0	-0	1	121.6	44.9	0.0	0.0	166.5	6	
14	81	428	0	0	0	-0	1	138.9	76.9	0.0	0.0	215.8	6	
15	81	340	0	0	0	-0	1	110.4	45.2	0.0	0.0	155.6	6	
16	81	-963	0	0	0	0	1	312.6	45.0	0.0	0.0	357.6	6	
17	81	507	0	0	0	-0	1	164.5	45.0	0.0	0.0	209.5	6	
1A	161	240	-2	0	0	-0	0	77.8	1.7	1.8	0.0	79.5	6	
1E	161	250	-2	0	0	-0	0	81.1	1.7	1.8	0.0	82.8	6	
1I	161	242	-2	0	0	-0	0	78.6	1.8	1.8	0.0	80.4	6	
1M	161	247	-2	0	0	-0	0	80.3	1.8	1.8	0.0	82.1	6	
2	161	451	-3	0	0	-0	0	146.5	2.4	2.5	0.0	148.9	6	
3	161	328	-2	0	0	-0	0	106.6	1.7	1.6	0.0	108.3	6	
4	161	-736	-2	0	0	-0	0	238.9	1.5	1.6	0.0	240.3	1	
5	161	452	-2	0	0	-0	0	146.8	1.6	1.6	0.0	148.4	6	
6	161	457	-3	0	0	-0	0	148.4	2.6	2.5	0.0	151.0	6	
7	161	360	-2	0	0	-0	0	117.0	1.9	1.6	0.0	118.9	6	
8	161	-945	-2	0	0	-0	0	306.8	1.7	1.6	0.0	308.5	1	
9	161	523	-2	0	0	-0	0	169.6	1.7	1.6	0.0	171.3	6	
10	161	324	-3	0	0	-0	0	105.2	2.5	2.5	0.0	107.6	6	
11	161	247	-2	0	0	-0	0	80.1	1.7	1.6	0.0	81.8	6	
12	161	-815	-2	0	0	-0	0	264.6	1.6	1.6	0.0	266.2	6	
13	161	375	-2	0	0	-0	0	121.6	1.6	1.6	0.0	123.2	6	
14	161	428	-3	0	0	-0	0	138.9	2.7	2.7	0.0	141.6	6	
15	161	340	-2	0	0	-0	0	110.4	1.9	1.6	0.0	112.3	6	
16	161	-963	-2	0	0	-0	0	312.6	1.7	1.6	0.0	314.3	1	
17	161	507	-2	0	0	-0	0	164.5	1.7	1.6	0.0	166.2	6	

ASTA NUM. 27 NI 185 NF 186 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-337	2	0	0	0	0	109.4	3.1	1.5	0.0	112.4	6	
1E	0	-337	2	0	0	0	0	109.3	3.1	1.5	0.0	112.3	6	
1I	0	-337	2	0	0	0	0	109.5	3.0	1.5	0.0	112.6	6	
1M	0	-336	2	0	0	0	0	109.1	3.0	1.5	0.0	112.1	6	
2	0	-388	2	0	0	0	0	126.0	4.2	2.1	0.0	130.3	6	
3	0	-196	1	-0	0	0	0	63.7	2.6	1.3	0.0	66.3	6	
4	0	-198	1	0	0	0	0	64.3	2.8	1.3	0.0	67.1	6	
5	0	-272	1	-0	0	0	0	88.4	2.6	1.3	0.0	91.0	6	
6	0	-550	2	0	0	0	0	178.6	4.3	2.1	0.0	182.8	6	
7	0	-280	1	0	0	0	0	91.0	2.6	1.3	0.0	93.7	6	
8	0	-280	1	0	0	0	0	90.8	2.9	1.3	0.0	93.7	6	
9	0	-384	1	-0	0	0	0	124.8	2.6	1.3	0.0	127.4	6	
10	0	-416	2	0	0	0	0	135.0	4.3	2.1	0.0	139.3	6	
11	0	-215	1	0	0	0	0	69.9	2.6	1.3	0.0	72.6	6	
12	0	-239	1	0	0	0	0	77.7	2.8	1.3	0.0	80.5	6	
13	0	-276	1	-0	0	0	0	89.6	2.6	1.3	0.0	92.2	6	
14	0	-488	2	0	0	0	0	158.3	4.6	2.2	0.0	162.9	6	
15	0	-242	1	0	0	0	0	78.7	2.6	1.3	0.0	81.3	6	
16	0	-282	1	0	0	0	0	91.6	2.8	1.3	0.0	94.4	6	
17	0	-321	1	-0	0	0	0	104.2	2.6	1.3	0.0	106.8	6	
1A	66	-337	0	0	0	0	1	109.4	37.2	0.0	0.0	146.6	6	
1E	66	-337	0	0	0	0	1	109.3	37.2	0.0	0.0	146.5	6	
1I	66	-337	0	0	0	0	1	109.5	37.2	0.0	0.0	146.8	6	
1M	66	-336	0	0	0	0	1	109.1	37.2	0.0	0.0	146.3	6	
2	66	-388	0	0	0	0	1	126.0	52.2	0.0	0.0	178.2	6	
3	66	-196	0	-0	0	0	1	63.7	32.6	0.0	0.0	96.3	6	
4	66	-198	0	0	0	0	1	64.3	32.6	0.0	0.0	96.9	6	
5	66	-272	0	-0	0	0	1	88.4	32.6	0.0	0.0	121.0	6	
6	66	-550	0	0	0	0	1	178.6	52.2	0.0	0.0	230.8	6	
7	66	-280	0	0	0	0	1	91.0	32.6	0.0	0.0	123.7	6	
8	66	-280	0	0	0	0	1	90.8	32.6	0.0	0.0	123.5	6	
9	66	-384	0	-0	0	0	1	124.8	32.6	0.0	0.0	157.4	6	
10	66	-416	0	0	0	0	1	135.0	52.2	0.0	0.0	187.2	6	
11	66	-215	0	0	0	0	1	69.9	32.6	0.0	0.0	102.6	6	
12	66	-239	0	0	0	0	1	77.7	32.6	0.0	0.0	110.3	6	
13	66	-276	0	-0	0	0	1	89.6	32.6	0.0	0.0	122.2	6	
14	66	-488	0	0	0	0	1	158.3	55.9	0.0	0.0	214.3	6	
15	66	-242	0	0	0	0	1	78.7	32.7	0.0	0.0	111.4	6	
16	66	-282	0	0	0	0	1	91.6	32.6	0.0	0.0	124.2	6	
17	66	-321	0	-0	0	0	1	104.2	32.6	0.0	0.0	136.8	6	
1A	133	-337	-2	0	0	0	0	109.4	2.9	1.5	0.0	112.3	6	
1E	133	-337	-2	0	0	0	0	109.3	2.9	1.5	0.0	112.2	6	
1I	133	-337	-2	0	0	0	0	109.5	3.0	1.5	0.0	112.5	6	
1M	133	-336	-2	0	0	0	0	109.1	3.0	1.5	0.0	112.1	6	
2	133	-388	-2	0	0	0	0	126.0	4.3	2.1	0.0	130.3	6	
3	133	-196	-1	-0	0	0	0	63.7	2.7	1.3	0.0	66.4	6	
4	133	-198	-1	0	0	-0	0	64.3	2.7	1.3	0.0	67.0	6	
5	133	-272	-1	-0	0	0	0	88.4	2.7	1.3	0.0	91.1	6	
6	133	-550	-2	0	0	0	0	178.6	4.3	2.1	0.0	182.8	6	
7	133	-280	-1	0	0	0	0	91.0	2.7	1.3	0.0	93.8	6	
8	133	-280	-1	0	0	-0	0	90.8	2.7	1.3	0.0	93.6	6	
9	133	-384	-1	-0	0	0	0	124.8	2.7	1.3	0.0	127.5	6	
10	133	-416	-2	0	0	0	0	135.0	4.3	2.1	0.0	139.3	6	
11	133	-215	-1	0	0	0	0	69.9	2.7	1.3	0.0	72.6	6	
12	133	-239	-1	0	0	-0	0	77.7	2.8	1.3	0.0	80.5	6	
13	133	-276	-1	-0	0	0	0	89.6	2.7	1.3	0.0	92.3	6	
14	133	-488	-2	0	0	0	0	158.3	4.6	2.2	0.0	162.9	6	
15	133	-242	-1	0	0	0	0	78.7	2.7	1.3	0.0	81.5	6	
16	133	-282	-1	0	0	-0	0	91.6	2.8	1.3	0.0	94.4	6	
17	133	-321	-1	-0	0	0	0	104.2	2.7	1.3	0.0	106.9	6	

ASTA NUM. 28 NI 191 NF 175 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	6.7667	6.7667 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-3509	-2	-0	0	-0	1	407.0	25.3	0.5	0.0	417.7	1	
1E	0	-3505	-2	-0	0	-0	1	406.6	25.3	0.5	0.0	417.3	1	
1I	0	-3508	-2	-0	0	-0	1	406.9	25.3	0.5	0.0	417.6	1	
1M	0	-3506	-2	-0	0	-0	1	406.8	25.3	0.5	0.0	417.4	1	
2	0	-4286	-2	-1	0	-0	2	497.2	35.5	0.7	0.0	512.2	1	
3	0	-2679	-1	-0	0	-0	1	310.8	22.2	0.4	0.0	320.0	1	
4	0	130	-1	-0	0	-0	1	15.1	22.3	0.3	0.0	37.3	6	
5	0	-2679	-1	-0	0	-0	1	310.8	22.2	0.4	0.0	320.1	1	
6	0	-5546	-2	-1	0	-0	2	643.4	35.4	0.7	0.0	658.6	1	
7	0	-3466	-1	-0	0	-0	1	402.1	22.1	0.4	0.0	411.5	1	
8	0	31	-1	-0	0	-0	1	3.6	22.3	0.3	0.0	25.9	6	
9	0	-3466	-1	-0	0	-0	1	402.1	22.1	0.4	0.0	411.6	1	
10	0	-4286	-2	-1	0	-0	2	497.2	35.5	0.7	0.0	512.3	1	
11	0	-2679	-1	-0	0	-0	1	310.8	22.2	0.4	0.0	320.1	1	
12	0	130	-1	-0	0	-0	1	15.0	22.3	0.3	0.0	37.3	6	
13	0	-2679	-1	-0	0	-0	1	310.8	22.2	0.4	0.0	320.1	1	
14	0	-5545	-2	-1	0	-0	2	643.3	38.0	0.8	0.0	659.5	1	
15	0	-3466	-1	-0	0	-0	1	402.1	22.2	0.4	0.0	411.5	1	
16	0	31	-1	-0	0	-0	1	3.6	22.2	0.2	0.0	25.8	6	
17	0	-3466	-1	-0	0	-0	1	402.1	22.1	0.5	0.0	411.6	1	
1A	33	-3509	-4	-0	0	-0	1	407.0	10.6	1.3	0.0	411.2	1	
1E	33	-3505	-4	-0	0	-0	1	406.6	10.6	1.3	0.0	410.8	1	
1I	33	-3508	-4	-0	0	-0	1	406.9	10.5	1.3	0.0	411.1	1	
1M	33	-3506	-4	-0	0	-0	1	406.8	10.5	1.3	0.0	410.9	1	
2	33	-4286	-5	-1	0	-0	1	497.2	15.0	1.8	0.0	503.0	1	
3	33	-2679	-3	-0	0	-0	1	310.8	9.8	1.1	0.0	314.5	1	
4	33	130	-3	-0	0	-0	1	15.1	11.8	1.0	0.0	26.8	6	
5	33	-2679	-3	-0	0	-0	1	310.8	9.4	1.1	0.0	314.2	1	
6	33	-5546	-5	-1	0	-0	1	643.4	14.6	1.8	0.0	649.2	1	
7	33	-3466	-3	-0	0	-0	1	402.1	9.8	1.1	0.0	405.8	1	
8	33	31	-3	-0	0	-0	1	3.6	11.9	1.0	0.0	15.5	6	
9	33	-3466	-3	-0	0	-0	1	402.1	9.2	1.1	0.0	405.5	1	
10	33	-4286	-5	-1	0	-0	1	497.2	14.7	1.8	0.0	503.0	1	
11	33	-2679	-3	-0	0	-0	1	310.8	9.6	1.1	0.0	314.5	1	
12	33	130	-3	-0	0	-0	1	15.0	12.1	0.9	0.0	27.1	6	
13	33	-2679	-3	-0	0	-0	1	310.8	9.2	1.1	0.0	314.2	1	
14	33	-5545	-6	-1	0	-0	1	643.3	15.7	1.9	0.0	649.5	1	
15	33	-3466	-3	-0	0	-0	1	402.1	9.8	1.1	0.0	405.8	1	
16	33	31	-3	-0	0	-0	1	3.6	12.7	0.9	0.0	16.3	6	
17	33	-3466	-3	-0	0	-0	1	402.1	9.0	1.1	0.0	405.5	1	
1A	66	-3509	-6	-0	0	0	-1	407.0	16.6	2.0	0.0	423.6	6	
1E	66	-3505	-6	-0	0	0	-1	406.6	16.6	2.0	0.0	423.2	6	
1I	66	-3508	-6	-0	0	0	-1	406.9	16.7	2.0	0.0	423.6	6	
1M	66	-3506	-6	-0	0	0	-1	406.8	16.7	2.0	0.0	423.5	6	
2	66	-4286	-8	-1	0	0	-1	497.2	23.0	2.8	0.0	520.2	6	
3	66	-2679	-5	-0	0	0	-1	310.8	13.5	1.7	0.0	324.3	6	
4	66	130	-5	-0	0	0	-1	15.1	9.7	1.6	0.0	18.9	1	
5	66	-2679	-5	-0	0	0	-1	310.8	14.2	1.8	0.0	325.0	6	
6	66	-5546	-8	-1	0	0	-1	643.4	23.6	2.8	0.0	667.0	6	
7	66	-3466	-5	-0	0	0	-1	402.1	13.5	1.7	0.0	415.6	6	
8	66	31	-5	-0	0	0	-1	3.6	9.3	1.6	0.0	7.3	1	
9	66	-3466	-5	-0	0	0	-1	402.1	14.6	1.8	0.0	416.7	6	
10	66	-4286	-8	-1	0	0	-1	497.2	23.5	2.8	0.0	520.7	6	
11	66	-2679	-5	-0	0	0	-1	310.8	13.9	1.7	0.0	324.6	6	
12	66	130	-5	-0	0	0	-1	15.0	9.0	1.6	0.0	18.6	1	
13	66	-2679	-5	-0	0	0	-1	310.8	14.8	1.8	0.0	325.6	6	
14	66	-5545	-9	-1	0	0	-2	643.3	25.4	3.0	0.0	668.7	6	
15	66	-3466	-5	-0	0	0	-1	402.1	13.5	1.7	0.0	415.6	6	
16	66	31	-5	-0	0	0	-0	3.6	7.8	1.6	0.0	6.7	1	
17	66	-3466	-5	-0	0	0	-1	402.1	15.0	1.8	0.0	417.1	6	

ASTA NUM. 29 NI 168 NF 191 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	6.7667	6.7667 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-3888	6	0	0	0	-1	451.0	18.4	2.1	0.0	469.4	6	
1E	0	-3884	6	0	0	0	-1	450.6	18.4	2.1	0.0	469.0	6	
1I	0	-3887	6	0	0	0	-1	450.9	18.6	2.1	0.0	469.4	6	
1M	0	-3885	6	0	0	0	-1	450.8	18.6	2.1	0.0	469.3	6	
2	0	-4795	9	0	0	0	-2	556.3	26.4	2.9	0.0	582.7	6	
3	0	-2997	5	0	0	0	-1	347.7	17.3	1.9	0.0	365.0	6	
4	0	-2994	6	0	0	0	-1	347.3	20.8	2.0	0.0	368.1	6	
5	0	-2997	5	0	0	0	-1	347.7	16.6	1.8	0.0	364.3	6	
6	0	-5994	9	1	0	0	-2	695.4	26.1	2.9	0.0	721.5	6	
7	0	-3746	6	0	0	0	-1	434.6	17.5	1.9	0.0	452.1	6	
8	0	-3744	6	0	0	0	-1	434.3	21.3	2.0	0.0	455.6	6	
9	0	-3747	5	0	0	0	-1	434.7	16.5	1.8	0.0	451.2	6	
10	0	-4795	9	1	0	0	-2	556.3	26.0	2.9	0.0	582.2	6	
11	0	-2997	5	0	0	0	-1	347.7	17.0	1.8	0.0	364.7	6	
12	0	-2994	6	0	0	0	-1	347.3	21.5	2.0	0.0	368.9	6	
13	0	-2997	5	0	0	0	-1	347.7	16.1	1.8	0.0	363.8	6	
14	0	-5994	9	1	0	0	-2	695.4	27.9	3.1	0.0	723.2	6	

15	0	-3746	6	0	0	0	-1	434.6	17.6	1.9	0.0	452.1	6
16	0	-3743	6	0	0	0	-1	434.2	22.9	2.0	0.0	457.1	6
17	0	-3747	5	0	0	0	-1	434.7	16.1	1.8	0.0	450.8	6
1A	33	-3888	4	0	0	-0	1	451.0	9.7	1.3	0.0	454.9	1
1E	33	-3884	4	0	0	-0	1	450.6	9.7	1.3	0.0	454.5	1
1I	33	-3887	4	0	0	-0	1	450.9	9.6	1.3	0.0	454.7	1
1M	33	-3885	4	0	0	-0	1	450.8	9.6	1.3	0.0	454.6	1
2	33	-4795	6	0	0	-0	1	556.3	13.3	1.9	0.0	561.6	1
3	33	-2997	4	0	0	-0	0	347.7	7.9	1.2	0.0	350.9	1
4	33	-2994	4	0	0	-0	0	347.3	6.2	1.3	0.0	349.7	1
5	33	-2997	3	0	0	-0	0	347.7	8.2	1.2	0.0	351.2	1
6	33	-5994	5	1	0	-0	1	695.4	13.4	1.9	0.0	700.8	1
7	33	-3746	4	0	0	-0	0	434.6	7.8	1.2	0.0	437.8	1
8	33	-3744	4	0	0	-0	0	434.3	6.0	1.3	0.0	436.6	1
9	33	-3747	3	0	0	-0	0	434.7	8.3	1.2	0.0	438.3	1
10	33	-4795	5	1	0	-0	1	556.3	13.5	1.9	0.0	561.6	1
11	33	-2997	3	0	0	-0	0	347.7	8.1	1.2	0.0	350.9	1
12	33	-2994	4	0	0	-0	0	347.3	5.9	1.3	0.0	349.6	1
13	33	-2997	3	0	0	-0	1	347.7	8.5	1.2	0.0	351.2	1
14	33	-5994	6	1	0	-0	1	695.4	14.4	2.0	0.0	701.1	1
15	33	-3746	4	0	0	-0	0	434.6	7.8	1.2	0.0	437.8	1
16	33	-3743	4	0	0	-0	0	434.2	5.2	1.4	0.0	436.2	1
17	33	-3747	3	0	0	-0	0	434.7	8.5	1.2	0.0	438.3	1
1A	66	-3888	2	0	0	-0	1	451.0	25.3	0.6	0.0	461.7	1
1E	66	-3884	2	0	0	-0	1	450.6	25.3	0.6	0.0	461.3	1
1I	66	-3887	2	0	0	-0	1	450.9	25.3	0.6	0.0	461.5	1
1M	66	-3885	2	0	0	-0	1	450.8	25.3	0.6	0.0	461.4	1
2	66	-4795	2	0	0	-0	2	556.3	35.5	0.8	0.0	571.2	1
3	66	-2997	2	0	0	-0	1	347.7	22.2	0.5	0.0	356.9	1
4	66	-2994	2	0	0	-0	1	347.3	22.3	0.6	0.0	356.5	1
5	66	-2997	2	0	0	-0	1	347.7	22.1	0.5	0.0	356.9	1
6	66	-5994	2	1	0	-0	2	695.4	35.4	0.8	0.0	710.6	1
7	66	-3746	2	0	0	-0	1	434.6	22.2	0.5	0.0	443.9	1
8	66	-3744	2	0	0	-0	1	434.3	22.3	0.6	0.0	443.7	1
9	66	-3747	1	0	0	-0	1	434.7	22.1	0.5	0.0	444.2	1
10	66	-4795	2	1	0	-0	2	556.3	35.5	0.8	0.0	571.3	1
11	66	-2997	2	0	0	-0	1	347.7	22.2	0.5	0.0	357.0	1
12	66	-2994	2	0	0	-0	1	347.3	22.3	0.7	0.0	356.6	1
13	66	-2997	1	0	0	-0	1	347.7	22.2	0.5	0.0	357.0	1
14	66	-5994	2	1	0	-0	2	695.4	38.0	0.8	0.0	711.6	1
15	66	-3746	2	0	0	-0	1	434.6	22.2	0.5	0.0	443.9	1
16	66	-3743	2	0	0	-0	1	434.2	22.3	0.7	0.0	443.6	1
17	66	-3747	1	0	0	-0	1	434.7	22.1	0.5	0.0	444.1	1

ASTA NUM. 30 NI 185 NF 191 Lungh. 87.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y 2.4178 qy tot. 2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	179	1	0	0	0	-0	58.0	6.1	1.2	0.0	64.1	6	
1E	0	182	1	0	0	0	-0	59.1	6.1	1.2	0.0	65.3	6	
1I	0	179	1	0	0	0	-0	58.3	6.0	1.2	0.0	64.3	6	
1M	0	181	1	0	0	0	-0	58.9	6.0	1.2	0.0	64.9	6	
2	0	25	2	0	0	0	-0	8.2	8.5	1.7	0.0	16.7	6	
3	0	-96	1	0	0	0	-0	31.2	5.5	1.1	0.0	36.7	6	
4	0	1058	1	0	0	0	-0	343.5	5.6	1.1	0.0	349.1	6	
5	0	-130	1	0	0	0	-0	42.1	5.3	1.1	0.0	47.4	6	
6	0	232	2	0	0	0	-0	75.5	8.5	1.7	0.0	84.0	6	
7	0	-19	1	0	0	0	-0	6.3	5.7	1.1	0.0	12.0	6	
8	0	1393	1	0	0	0	-0	452.3	5.6	1.1	0.0	457.9	6	
9	0	-58	1	0	0	0	-0	18.7	5.4	1.1	0.0	24.1	6	
10	0	200	2	0	0	0	-0	64.9	8.5	1.7	0.0	73.4	6	
11	0	18	1	0	0	0	-0	5.8	5.5	1.1	0.0	11.3	6	
12	0	1199	1	0	0	0	-0	389.3	5.7	1.1	0.0	395.0	6	
13	0	-40	1	0	0	0	-0	13.1	5.3	1.1	0.0	18.4	6	
14	0	182	2	0	0	0	-0	59.1	9.1	1.8	0.0	68.2	6	
15	0	-48	1	0	0	0	-0	15.5	5.7	1.1	0.0	21.1	6	
16	0	1415	1	0	0	0	-0	459.4	5.9	1.1	0.0	465.3	6	
17	0	-125	1	0	0	0	-0	40.4	5.4	1.1	0.0	45.8	6	
1A	44	179	0	0	0	0	0	58.0	17.1	0.2	0.0	75.1	6	
1E	44	182	0	0	0	0	0	59.1	17.1	0.2	0.0	76.3	6	
1I	44	179	0	0	0	0	0	58.3	17.1	0.2	0.0	75.4	6	
1M	44	181	0	0	0	0	0	58.9	17.1	0.2	0.0	76.0	6	
2	44	25	0	0	0	0	0	8.2	23.8	0.3	0.0	32.0	6	
3	44	-96	0	0	0	0	0	31.2	14.6	0.2	0.0	45.8	6	
4	44	1058	0	0	0	0	0	343.5	15.1	0.2	0.0	358.6	6	
5	44	-130	0	0	0	0	0	42.1	14.7	0.2	0.0	56.8	6	
6	44	232	0	0	0	0	0	75.5	24.0	0.3	0.0	99.4	6	
7	44	-19	0	0	0	0	0	6.3	14.6	0.2	0.0	20.9	6	
8	44	1393	0	0	0	0	0	452.3	15.2	0.2	0.0	467.5	6	
9	44	-58	0	0	0	0	0	18.7	14.8	0.2	0.0	33.5	6	
10	44	200	0	0	0	0	0	64.9	23.7	0.3	0.0	88.6	6	
11	44	18	0	0	0	0	0	5.8	14.6	0.2	0.0	20.4	6	
12	44	1199	0	0	0	0	0	389.3	15.0	0.2	0.0	404.2	6	
13	44	-40	0	0	0	0	0	13.1	14.7	0.2	0.0	27.8	6	
14	44	182	0	0	0	0	0	59.1	25.4	0.4	0.0	84.6	6	
15	44	-48	0	0	0	0	0	15.5	14.5	0.2	0.0	29.9	6	
16	44	1415	0	0	0	0	0	459.4	15.0	0.2	0.0	474.4	6	
17	44	-125	0	0	0	0	0	40.4	14.7	0.2	0.0	55.1	6	
1A	87	179	-1	0	0	-0	0	58.0	9.5	0.7	0.0	67.5	6	
1E	87	182	-1	0	0	-0	0	59.1	9.5	0.7	0.0	68.6	6	
1I	87	179	-1	0	0	-0	0	58.3	9.5	0.7	0.0	67.8	6	
1M	87	181	-1	0	0	-0	0	58.9	9.5	0.7	0.0	68.4	6	
2	87	25	-1	0	0	-0	0	8.2	13.2	1.0	0.0	21.4	6	
3	87	-96	-1	0	0	-0	0	31.2	8.0	0.6	0.0	39.1	6	
4	87	1058	-1	0	0	0	0	343.5	8.5	0.6	0.0	352.0	6	
5	87	-130	-1	0	0	-0	0	42.1	8.2	0.6	0.0	50.3	6	
6	87	232	-1	0	0	-0	0	75.5	13.3	1.0	0.0	88.8	6	
7	87	-19	-1	0	0	-0	0	6.3	7.9	0.6	0.0	14.2	6	
8	87	1393	-1	0	0	0	0	452.3	8.6	0.6	0.0	460.9	6	
9	87	-58	-1	0	0	-0	0	18.7	8.3	0.6	0.0	27.0	6	
10	87	200	-1	0	0	-0	0	64.9	13.0	1.0	0.0	77.9	6	
11	87	18	-1	0	0	-0	0	5.8	7.9	0.6	0.0	13.7	6	
12	87	1199	-1	0	0	0	0	389.3	8.4	0.6	0.0	397.7	6	
13	87	-40	-1	0	0	-0	0	13.1	8.1	0.6	0.0	21.2	6	
14	87	182	-1	0	0	-0	0	59.1	13.9	1.1	0.0	73.0	6	
15	87	-48	-1	0	0	-0	0	15.5	7.7	0.6	0.0	23.2	6	
16	87	1415	-1	0	0	0	0	459.4	8.4	0.6	0.0	467.8	6	
17	87	-125	-1	0	0	-0	0	40.4	8.1	0.6	0.0	48.5	6	

ASTA NUM. 31 NI 186 NF 191 Lungh. 87.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y 2.4178 qy tot. 2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-71	1	-0	0	-0	-0	23.2	5.8	1.2	0.0	28.9	6	
1E	0	-68	1	-0	0	-0	-0	22.0	5.8	1.2	0.0	27.8	6	
1I	0	-71	1	-0	0	-0	-0	22.9	5.8	1.2	0.0	28.7	6	
1M	0	-69	1	-0	0	-0	-0	22.3	5.8	1.2	0.0	28.1	6	
2	0	-31	2	-0	0	-0	-0	10.1	8.2	1.7	0.0	18.3	6	
3	0	11	1	-0	0	-0	-0	3.4	4.9	1.1	0.0	8.3	6	
4	0	-1124	1	-0	0	-0	-0	364.9	4.8	1.1	0.0	369.7	6	
5	0	251	1	-0	0	-0	-0	81.6	5.0	1.1	0.0	86.6	6	
6	0	-63	2	-0	0	-0	-0	20.6	8.3	1.7	0.0	28.9	6	
7	0	16	1	-0	0	-0	-0	5.3	4.8	1.1	0.0	10.1	6	
8	0	-1397	1	-0	0	-0	-0	453.6	4.8	1.1	0.0	458.4	6	
9	0	315	1	-0	0	-0	-0	102.2	5.1	1.1	0.0	107.3	6	
10	0	-136	2	-0	0	-0	-0	44.1	8.3	1.7	0.0	52.3	6	
11	0	-50	1	-0	0	-0	-0	16.2	4.9	1.1	0.0	21.1	6	
12	0	-1158	1	-0	0	-0	-0	376.0	4.7	1.1	0.0	380.6	6	
13	0	178	1	-0	0	-0	-0	57.7	5.1	1.1	0.0	62.8	6	
14	0	-114	2	-0	0	-0	-0	36.9	8.9	1.8	0.0	45.8	6	
15	0	-12	1	-0	0	-0	-0	3.8	4.8	1.1	0.0	8.7	6	
16	0	-1375	1	-0	0	-0	-0	446.4	4.6	1.1	0.0	451.0	6	
17	0	267	1	-0	0	-0	-0	86.6	5.1	1.1	0.0	91.7	6	
1A	44	-71	0	-0	0	-0	0	23.2	17.0	0.2	0.0	40.2	6	
1E	44	-68	0	-0	0	-0	0	22.0	17.0	0.2	0.0	39.1	6	
1I	44	-71	0	-0	0	-0	0	22.9	17.1	0.2	0.0	40.0	6	
1M	44	-69	0	-0	0	-0	0	22.3	17.1	0.2	0.0	39.3	6	
2	44	-31	0	-0	0	-0	0	10.1	23.9	0.3	0.0	34.0	6	
3	44	11	0	-0	0	-0	0	3.4	15.1	0.2	0.0	18.5	6	
4	44	-1124	0	-0	0	0	0	364.9	14.8	0.2	0.0	379.8	6	
5	44	251	0	-0	0	-0	0	81.6	15.1	0.2	0.0	96.6	6	
6	44	-63	0	-0	0	-0	0	20.6	24.0	0.3	0.0	44.6	6	
7	44	16	0	-0	0	-0	0	5.3	15.3	0.2	0.0	20.6	6	
8	44	-1397	0	-0	0	0	0	453.6	14.9	0.2	0.0	468.4	6	
9	44	315	0	-0	0	-0	0	102.2	15.2	0.2	0.0	117.4	6	
10	44	-136	0	-0	0	-0	0	44.1	23.7	0.3	0.0	67.8	6	
11	44	-50	0	-0	0	-0	0	16.2	15.0	0.2	0.0	31.2	6	
12	44	-1158	0	-0	0	0	0	376.0	14.9	0.2	0.0	390.9	6	
13	44	178	0	-0	0	-0	0	57.7	15.0	0.2	0.0	72.7	6	
14	44	-114	0	-0	0	-0	0	36.9	25.4	0.4	0.0	62.4	6	
15	44	-12	0	-0	0	-0	0	3.8	15.2	0.2	0.0	19.0	6	
16	44	-1375	0	-0	0	0	0	446.4	15.0	0.2	0.0	461.4	6	
17	44	267	0	-0	0	-0	0	86.6	15.0	0.2	0.0	101.6	6	
1A	87	-71	-1	-0	0	0	0	23.2	9.6	0.7	0.0	32.7	6	
1E	87	-68	-1	-0	0	0	0	22.0	9.6	0.7	0.0	31.6	6	
1I	87	-71	-1	-0	0	0	0	22.9	9.6	0.7	0.0	32.5	6	

1M	87	-69	-1	-0	0	0	0	22.3	9.6	0.7	0.0	31.8	6
2	87	-31	-1	-0	0	0	0	10.1	13.3	1.0	0.0	23.4	6
3	87	11	-1	-0	0	0	0	3.4	8.5	0.6	0.0	11.9	6
4	87	-1124	-1	-0	0	0	0	364.9	8.4	0.6	0.0	373.4	6
5	87	251	-1	-0	0	0	0	81.6	8.4	0.6	0.0	90.0	6
6	87	-63	-1	-0	0	0	0	20.6	13.4	1.0	0.0	34.0	6
7	87	16	-1	-0	0	0	0	5.3	8.6	0.6	0.0	14.0	6
8	87	-1397	-1	-0	0	0	0	453.6	8.5	0.6	0.0	462.1	6
9	87	315	-1	-0	0	0	0	102.2	8.5	0.6	0.0	110.7	6
10	87	-136	-1	-0	0	0	0	44.1	13.1	1.0	0.0	57.2	6
11	87	-50	-1	-0	0	0	0	16.2	8.3	0.6	0.0	24.5	6
12	87	-1158	-1	-0	0	0	0	376.0	8.5	0.6	0.0	384.4	6
13	87	178	-1	-0	0	0	0	57.7	8.3	0.6	0.0	66.0	6
14	87	-114	-1	-0	0	0	0	36.9	14.0	1.1	0.0	50.9	6
15	87	-12	-1	-0	0	0	0	3.8	8.4	0.6	0.0	12.2	6
16	87	-1375	-1	-0	0	0	0	446.4	8.5	0.6	0.0	455.0	6
17	87	267	-1	-0	0	0	0	86.6	8.3	0.6	0.0	94.9	6

ASTA NUM. 32 NI 166 NF 187 Lungh. 79.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	206	1	0	0	0	0	66.8	2.8	0.9	0.0	69.6	1	
1E	0	221	1	0	0	0	0	71.6	2.8	0.9	0.0	74.4	1	
1I	0	210	1	0	0	0	0	68.1	2.8	0.9	0.0	71.0	1	
1M	0	217	1	0	0	0	0	70.3	2.8	0.9	0.0	73.1	1	
2	0	151	1	0	0	0	0	49.1	3.6	1.3	0.0	52.8	1	
3	0	-26	1	0	0	0	0	8.3	1.7	0.8	0.0	10.0	1	
4	0	-634	1	0	0	0	0	205.8	2.0	0.8	0.0	207.8	1	
5	0	-98	1	0	0	0	0	31.9	2.4	0.8	0.0	34.3	1	
6	0	409	1	0	0	0	0	132.8	4.9	1.3	0.0	137.7	1	
7	0	78	1	0	0	0	0	25.4	2.1	0.8	0.0	27.5	1	
8	0	-677	1	0	0	0	0	219.9	2.6	0.8	0.0	222.5	1	
9	0	4	1	0	0	0	0	1.5	3.1	0.8	0.0	4.6	1	
10	0	335	1	0	0	0	0	108.7	4.1	1.3	0.0	112.8	1	
11	0	88	1	0	0	0	0	28.5	2.0	0.8	0.0	30.5	1	
12	0	-519	1	0	0	0	0	168.6	2.4	0.8	0.0	171.0	1	
13	0	3	1	0	0	0	0	1.1	2.6	0.8	0.0	3.7	1	
14	0	438	1	0	0	0	0	142.3	5.1	1.3	0.0	147.4	1	
15	0	95	1	0	0	0	0	30.8	2.2	0.8	0.0	32.9	1	
16	0	-659	1	0	0	0	0	214.0	3.1	0.8	0.0	217.1	1	
17	0	0	1	0	0	0	0	0.0	3.0	0.8	0.0	3.1	1	
1A	40	206	0	0	0	0	0	66.8	13.1	0.1	0.0	80.0	6	
1E	40	221	0	0	0	0	0	71.6	13.1	0.1	0.0	84.8	6	
1I	40	210	0	0	0	0	0	68.1	13.2	0.1	0.0	81.3	6	
1M	40	217	0	0	0	0	0	70.3	13.2	0.1	0.0	83.5	6	
2	40	151	0	0	0	0	0	49.1	18.0	0.1	0.0	67.1	6	
3	40	-26	0	0	0	0	0	8.3	11.0	0.1	0.0	19.3	6	
4	40	-634	0	0	0	0	0	205.8	11.3	0.1	0.0	217.0	6	
5	40	-98	0	0	0	0	0	31.9	11.2	0.1	0.0	43.1	6	
6	40	409	0	0	0	0	0	132.8	18.7	0.1	0.0	151.5	6	
7	40	78	0	0	0	0	0	25.4	11.4	0.1	0.0	36.7	6	
8	40	-677	0	0	0	0	0	219.9	11.7	0.1	0.0	231.6	6	
9	40	4	0	0	0	0	0	1.5	11.7	0.1	0.0	13.1	6	
10	40	335	0	0	0	0	0	108.7	18.2	0.1	0.0	126.9	6	
11	40	88	0	0	0	0	0	28.5	11.2	0.1	0.0	39.6	6	
12	40	-519	0	0	0	0	0	168.6	11.5	0.1	0.0	180.1	6	
13	40	3	0	0	0	0	0	1.1	11.3	0.1	0.0	12.4	6	
14	40	438	0	0	0	0	0	142.3	20.0	0.1	0.0	162.3	6	
15	40	95	0	0	0	0	0	30.8	11.5	0.1	0.0	42.3	6	
16	40	-659	0	0	0	0	0	214.0	12.0	0.1	0.0	226.0	6	
17	40	0	0	0	0	0	0	0.0	11.7	0.1	0.0	11.7	6	
1A	79	206	-1	0	0	-0	0	66.8	2.4	0.9	0.0	69.2	1	
1E	79	221	-1	0	0	-0	0	71.6	2.4	0.9	0.0	74.0	1	
1I	79	210	-1	0	0	-0	0	68.1	2.3	0.9	0.0	70.4	1	
1M	79	217	-1	0	0	-0	0	70.3	2.3	0.9	0.0	72.6	1	
2	79	151	-1	0	0	-0	0	49.1	2.9	1.2	0.0	52.0	1	
3	79	-26	-1	0	0	-0	0	8.3	1.4	0.8	0.0	9.7	1	
4	79	-634	-1	0	0	-0	0	205.8	1.2	0.8	0.0	207.0	6	
5	79	-98	-1	0	0	-0	0	31.9	1.6	0.8	0.0	33.5	1	
6	79	409	-1	0	0	-0	0	132.8	3.7	1.2	0.0	136.5	1	
7	79	78	-1	0	0	-0	0	25.4	1.8	0.8	0.0	27.1	1	
8	79	-677	-1	0	0	-0	0	219.9	1.4	0.8	0.0	221.3	6	
9	79	4	-1	0	0	-0	0	1.5	2.1	0.8	0.0	3.6	1	
10	79	335	-1	0	0	-0	0	108.7	3.3	1.2	0.0	111.9	1	
11	79	88	-1	0	0	-0	0	28.5	1.7	0.8	0.0	30.1	1	
12	79	-519	-1	0	0	-0	0	168.6	1.4	0.8	0.0	170.0	6	
13	79	3	-1	0	0	-0	0	1.1	1.8	0.8	0.0	2.9	1	
14	79	438	-1	0	0	-0	0	142.3	3.8	1.3	0.0	146.1	1	
15	79	95	-1	0	0	-0	0	30.8	1.8	0.8	0.0	32.6	1	
16	79	-659	-1	0	0	-0	0	214.0	1.6	0.8	0.0	215.6	6	
17	79	0	-1	0	0	-0	0	0.0	2.1	0.8	0.0	2.1	1	

ASTA NUM. 33 NI 166 NF 188 Lungh. 79.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	432	1	-0	0	-0	0	140.3	2.8	0.9	0.0	143.1	1	
1E	0	447	1	-0	0	-0	0	145.1	2.8	0.9	0.0	147.9	1	
1I	0	436	1	-0	0	-0	0	141.6	2.8	0.9	0.0	144.4	1	
1M	0	443	1	-0	0	-0	0	143.8	2.8	0.9	0.0	146.6	1	
2	0	707	1	-0	0	-0	0	229.5	3.6	1.3	0.0	233.1	1	
3	0	450	1	-0	0	-0	-0	146.1	2.3	0.8	0.0	148.4	1	
4	0	1120	1	-0	0	-0	0	363.6	1.8	0.8	0.0	365.5	1	
5	0	625	1	-0	0	-0	0	202.9	2.2	0.8	0.0	205.1	1	
6	0	677	1	-0	0	-0	0	219.8	4.8	1.3	0.0	224.6	1	
7	0	445	1	-0	0	-0	0	144.5	2.5	0.8	0.0	147.0	1	
8	0	1303	1	-0	0	-0	0	423.1	2.3	0.8	0.0	425.4	1	
9	0	676	1	-0	0	-0	0	219.4	2.8	0.8	0.0	222.2	1	
10	0	638	1	-0	0	-0	0	207.3	4.1	1.3	0.0	211.4	1	
11	0	406	1	-0	0	-0	0	131.7	2.3	0.8	0.0	134.0	1	
12	0	1077	1	-0	0	-0	0	349.7	2.1	0.8	0.0	351.8	1	
13	0	580	1	-0	0	-0	0	188.2	2.4	0.8	0.0	190.6	1	
14	0	706	1	-0	0	-0	0	229.3	5.0	1.3	0.0	234.3	1	
15	0	462	1	-0	0	-0	0	149.9	2.6	0.8	0.0	152.5	1	
16	0	1321	1	-0	0	-0	0	428.9	2.5	0.8	0.0	431.4	1	
17	0	688	1	-0	0	-0	0	223.5	3.0	0.8	0.0	226.5	1	
1A	40	432	0	-0	0	-0	0	140.3	13.1	0.1	0.0	153.4	6	
1E	40	447	0	-0	0	-0	0	145.1	13.1	0.1	0.0	158.2	6	
1I	40	436	0	-0	0	-0	0	141.6	13.1	0.1	0.0	154.7	6	
1M	40	443	0	-0	0	-0	0	143.8	13.1	0.1	0.0	156.9	6	
2	40	707	0	-0	0	-0	0	229.5	17.7	0.1	0.0	247.2	6	
3	40	450	0	-0	0	-0	0	146.1	10.9	0.1	0.0	157.0	6	
4	40	1120	0	-0	0	0	0	363.6	10.8	0.1	0.0	374.4	6	
5	40	625	0	-0	0	-0	0	202.9	11.1	0.1	0.0	214.0	6	
6	40	677	0	-0	0	-0	0	219.8	18.5	0.1	0.0	238.3	6	
7	40	445	0	-0	0	-0	0	144.5	11.3	0.1	0.0	155.9	6	
8	40	1303	0	-0	0	-0	0	423.1	11.3	0.1	0.0	434.4	6	
9	40	676	0	-0	0	-0	0	219.4	11.6	0.1	0.0	231.0	6	
10	40	638	0	-0	0	-0	0	207.3	18.0	0.1	0.0	225.3	6	
11	40	406	0	-0	0	-0	0	131.7	11.1	0.1	0.0	142.8	6	
12	40	1077	0	-0	0	-0	0	349.7	10.9	0.1	0.0	360.6	6	
13	40	580	0	-0	0	-0	0	188.2	11.3	0.1	0.0	199.5	6	
14	40	706	0	-0	0	-0	0	229.3	19.9	0.1	0.0	249.2	6	
15	40	462	0	-0	0	-0	0	149.9	11.4	0.1	0.0	161.3	6	
16	40	1321	0	-0	0	-0	0	428.9	11.2	0.1	0.0	440.1	6	
17	40	688	0	-0	0	-0	0	223.5	11.7	0.1	0.0	235.2	6	
1A	79	432	-1	-0	0	0	0	140.3	2.2	0.9	0.0	142.5	1	
1E	79	447	-1	-0	0	0	0	145.1	2.2	0.9	0.0	147.3	1	
1I	79	436	-1	-0	0	0	0	141.6	2.3	0.9	0.0	143.9	1	
1M	79	443	-1	-0	0	0	0	143.8	2.3	0.9	0.0	146.1	1	
2	79	707	-1	-0	0	0	0	229.5	3.2	1.2	0.0	232.7	1	
3	79	450	-1	-0	0	0	0	146.1	1.8	0.7	0.0	147.9	1	
4	79	1120	-1	-0	0	0	0	363.6	2.2	0.7	0.0	365.9	1	
5	79	625	-1	-0	0	0	0	202.9	2.2	0.8	0.0	205.1	1	
6	79	677	-1	-0	0	0	0	219.8	3.8	1.2	0.0	223.6	1	
7	79	445	-1	-0	0	0	0	144.5	2.1	0.8	0.0	146.6	1	
8	79	1303	-1	-0	0	0	0	423.1	2.7	0.8	0.0	425.8	1	
9	79	676	-1	-0	0	0	0	219.4	2.6	0.8	0.0	222.0	1	
10	79	638	-1	-0	0	0	0	207.3	3.4	1.2	0.0	210.7	1	
11	79	406	-1	-0	0	0	0	131.7	1.9	0.7	0.0	133.6	1	
12	79	1077	-1	-0	0	0	0	349.7	2.3	0.8	0.0	352.0	1	
13	79	580	-1	-0	0	0	0	188.2	2.3	0.8	0.0	190.5	1	
14	79	706	-1	-0	0	0	0	229.3	3.9	1.3	0.0	233.2	1	
15	79	462	-1	-0	0	0	0	149.9	2.1	0.8	0.0	152.1	1	
16	79	1321	-1	-0	0	0	0	428.9	2.7	0.8	0.0	431.6	1	
17	79	688	-1	-0	0	0	0	223.5	2.6	0.8	0.0	226.1	1	

ASTA NUM. 34 NI 187 NF 189 Lungh. 161.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					

1A	0	-216	2	-0	0	-0	-0	70.0	1.4	1.8	0.0	71.4	6
1E	0	-206	2	-0	0	-0	-0	66.7	1.4	1.8	0.0	68.1	6
1I	0	-213	2	-0	0	-0	-0	69.2	1.4	1.8	0.0	70.7	6
1M	0	-208	2	-0	0	-0	-0	67.5	1.4	1.8	0.0	69.0	6
2	0	-145	3	-0	0	-0	-0	47.1	2.0	2.6	0.0	49.2	6
3	0	31	2	-0	0	-0	-0	10.0	1.2	1.6	0.0	11.2	6
4	0	652	2	-0	0	-0	-0	211.8	1.4	1.6	0.0	213.2	6
5	0	106	2	-0	0	-0	-0	34.5	1.2	1.6	0.0	35.7	1
6	0	-406	3	-0	0	-0	-0	131.9	2.2	2.6	0.0	134.1	6
7	0	-74	2	-0	0	-0	-0	24.0	1.2	1.6	0.0	25.2	6
8	0	698	2	-0	0	-0	-0	226.7	1.6	1.6	0.0	228.2	1
9	0	3	2	-0	0	-0	-0	1.0	1.4	1.6	0.0	3.1	5
10	0	-331	3	-0	0	-0	-0	107.6	2.1	2.6	0.0	109.7	6
11	0	-84	2	-0	0	-0	-0	27.3	1.2	1.6	0.0	28.4	6
12	0	536	2	-0	0	-0	-0	174.1	1.6	1.6	0.0	175.7	6
13	0	3	2	-0	0	-0	-0	1.0	1.2	1.6	0.0	3.1	5
14	0	-436	3	-0	0	-0	-0	141.5	2.3	2.7	0.0	143.7	6
15	0	-91	2	-0	0	-0	-0	29.5	1.2	1.6	0.0	30.7	1
16	0	680	2	-0	0	-0	-0	220.8	1.7	1.6	0.0	222.5	6
17	0	7	2	-0	0	-0	-0	2.4	1.4	1.6	0.0	3.9	4
1A	81	-216	0	-0	0	-0	1	70.0	50.8	0.0	0.0	120.9	6
1E	81	-206	0	-0	0	-0	1	66.7	50.8	0.0	0.0	117.6	6
1I	81	-213	0	-0	0	-0	1	69.2	50.9	0.0	0.0	120.1	6
1M	81	-208	0	-0	0	-0	1	67.5	50.9	0.0	0.0	118.4	6
2	81	-145	0	-0	0	-0	1	47.1	71.2	0.0	0.0	118.4	6
3	81	31	0	-0	0	-0	1	10.0	44.7	0.0	0.0	54.7	6
4	81	652	0	-0	0	-0	1	211.8	44.5	0.0	0.0	256.3	6
5	81	106	0	-0	0	-0	1	34.5	44.6	0.0	0.0	79.1	6
6	81	-406	0	-0	0	-0	1	131.9	71.2	0.0	0.0	203.1	6
7	81	-74	0	-0	0	-0	1	24.0	44.7	0.0	0.0	68.7	6
8	81	698	0	-0	0	-0	1	226.7	44.5	0.0	0.0	271.1	6
9	81	3	0	-0	0	-0	1	1.0	44.6	0.0	0.0	45.6	6
10	81	-331	0	-0	0	-0	1	107.6	71.3	0.0	0.0	178.9	6
11	81	-84	0	-0	0	-0	1	27.3	44.7	0.0	0.0	71.9	6
12	81	536	0	-0	0	-0	1	174.1	44.4	0.0	0.0	218.5	6
13	81	3	0	-0	0	-0	1	1.0	44.7	0.0	0.0	45.7	6
14	81	-436	0	-0	0	-0	1	141.5	76.3	0.0	0.0	217.8	6
15	81	-91	0	-0	0	-0	1	29.5	44.7	0.0	0.0	74.2	6
16	81	680	0	-0	0	-0	1	220.8	44.3	0.0	0.0	265.1	6
17	81	7	0	-0	0	-0	1	2.4	44.6	0.0	0.0	47.0	6
1A	161	-216	-2	-0	0	0	0	70.0	1.6	1.8	0.0	71.6	6
1E	161	-206	-2	-0	0	0	0	66.7	1.6	1.8	0.0	68.4	6
1I	161	-213	-2	-0	0	0	0	69.2	1.6	1.8	0.0	70.8	6
1M	161	-208	-2	-0	0	0	0	67.5	1.6	1.8	0.0	69.1	6
2	161	-145	-3	-0	0	0	0	47.1	2.3	2.5	0.0	49.4	6
3	161	31	-2	-0	0	0	0	10.0	1.5	1.6	0.0	11.5	6
4	161	652	-2	-0	0	0	0	211.8	1.5	1.6	0.0	213.3	6
5	161	106	-2	-0	0	0	0	34.5	1.6	1.6	0.0	36.0	6
6	161	-406	-3	-0	0	0	0	131.9	2.3	2.5	0.0	134.1	6
7	161	-74	-2	-0	0	0	0	24.0	1.6	1.6	0.0	25.6	6
8	161	698	-2	-0	0	0	0	226.7	1.6	1.6	0.0	228.3	6
9	161	3	-2	-0	0	0	0	1.0	1.6	1.6	0.0	3.0	4
10	161	-331	-3	-0	0	0	0	107.6	2.3	2.5	0.0	109.9	6
11	161	-84	-2	-0	0	0	0	27.3	1.6	1.6	0.0	28.8	6
12	161	536	-2	-0	0	0	0	174.1	1.5	1.6	0.0	175.6	6
13	161	3	-2	-0	0	0	0	1.0	1.6	1.6	0.0	3.0	4
14	161	-436	-3	-0	0	0	0	141.5	2.4	2.7	0.0	143.9	6
15	161	-91	-2	-0	0	0	0	29.5	1.6	1.6	0.0	31.1	6
16	161	680	-2	-0	0	0	0	220.8	1.5	1.6	0.0	222.3	6
17	161	7	-2	-0	0	0	0	2.4	1.6	1.6	0.0	4.0	6

ASTA NUM. 35 NI 188 NF 190 Lungh. 161.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-447	2	0	0	0	-0	145.1	1.4	1.8	0.0	146.4	6	
1E	0	-437	2	0	0	0	-0	141.8	1.4	1.8	0.0	143.1	6	
1I	0	-444	2	0	0	0	-0	144.3	1.3	1.8	0.0	145.6	6	
1M	0	-439	2	0	0	0	-0	142.6	1.3	1.8	0.0	143.9	6	
2	0	-713	3	0	0	0	-0	231.4	1.7	2.6	0.0	233.1	6	
3	0	-454	2	0	0	0	-0	147.5	1.0	1.6	0.0	148.6	6	
4	0	-1139	2	0	0	0	-0	369.8	0.8	1.6	0.0	370.6	6	
5	0	-633	2	0	0	0	-0	205.4	1.1	1.6	0.0	206.5	6	
6	0	-680	3	0	0	0	-0	220.7	2.0	2.6	0.0	222.7	6	
7	0	-448	2	0	0	0	-0	145.5	1.2	1.6	0.0	146.7	6	
8	0	-1325	2	0	0	0	-0	430.2	1.0	1.6	0.0	431.2	6	
9	0	-683	2	0	0	0	-0	221.6	1.3	1.6	0.0	222.9	6	
10	0	-642	3	0	0	0	-0	208.3	1.9	2.6	0.0	210.2	6	
11	0	-409	2	0	0	0	-0	132.6	1.1	1.6	0.0	133.8	6	
12	0	-1094	2	0	0	0	0	355.2	0.4	1.6	0.0	355.6	1	
13	0	-586	2	0	0	0	-0	190.1	1.2	1.6	0.0	191.3	6	
14	0	-709	3	0	0	0	-0	230.3	2.1	2.7	0.0	232.4	6	
15	0	-465	2	0	0	0	-0	151.0	1.2	1.6	0.0	152.2	6	
16	0	-1343	2	0	0	0	0	436.0	0.5	1.6	0.0	436.5	1	
17	0	-696	2	0	0	0	-0	225.9	1.3	1.6	0.0	227.2	6	
1A	81	-447	0	0	0	0	1	145.1	51.0	0.0	0.0	196.0	6	
1E	81	-437	0	0	0	0	1	141.8	51.0	0.0	0.0	192.7	6	
1I	81	-444	0	0	0	0	1	144.3	51.0	0.0	0.0	195.2	6	
1M	81	-439	0	0	0	0	1	142.6	51.0	0.0	0.0	193.5	6	
2	81	-713	0	0	0	0	1	231.4	71.4	0.0	0.0	302.7	6	
3	81	-454	0	0	0	0	1	147.5	44.5	0.0	0.0	192.0	6	
4	81	-1139	0	0	0	0	1	369.8	44.7	0.0	0.0	414.5	6	
5	81	-633	0	0	0	0	1	205.4	44.6	0.0	0.0	249.9	6	
6	81	-680	0	0	0	0	1	220.7	71.3	0.0	0.0	292.0	6	
7	81	-448	0	0	0	0	1	145.5	44.4	0.0	0.0	189.9	6	
8	81	-1325	0	0	0	0	1	430.2	44.6	0.0	0.0	474.7	6	
9	81	-683	0	0	0	0	1	221.6	44.5	0.0	0.0	266.1	6	
10	81	-642	0	0	0	0	1	208.3	71.3	0.0	0.0	279.6	6	
11	81	-409	0	0	0	0	1	132.6	44.5	0.0	0.0	177.1	6	
12	81	-1094	0	0	0	0	1	355.2	44.8	0.0	0.0	400.0	6	
13	81	-586	0	0	0	0	1	190.1	44.5	0.0	0.0	234.7	6	
14	81	-709	0	0	0	0	1	230.3	76.4	0.0	0.0	306.7	6	
15	81	-465	0	0	0	0	1	151.0	44.4	0.0	0.0	195.4	6	
16	81	-1343	0	0	0	0	1	436.0	44.8	0.0	0.0	480.8	6	
17	81	-696	0	0	0	0	1	225.9	44.5	0.0	0.0	270.3	6	
1A	161	-447	-2	0	0	-0	0	145.1	1.5	1.8	0.0	146.6	6	
1E	161	-437	-2	0	0	-0	0	141.8	1.5	1.8	0.0	143.3	6	
1I	161	-444	-2	0	0	-0	0	144.3	1.5	1.8	0.0	145.8	6	
1M	161	-439	-2	0	0	-0	0	142.6	1.5	1.8	0.0	144.1	6	
2	161	-713	-3	0	0	-0	0	231.4	2.2	2.5	0.0	233.6	6	
3	161	-454	-2	0	0	-0	0	147.5	1.2	1.6	0.0	148.7	6	
4	161	-1139	-2	0	0	-0	0	369.8	1.2	1.6	0.0	371.0	6	
5	161	-633	-2	0	0	-0	0	205.4	1.3	1.6	0.0	206.7	6	
6	161	-680	-3	0	0	-0	0	220.7	2.2	2.5	0.0	223.0	6	
7	161	-448	-2	0	0	-0	0	145.5	1.1	1.6	0.0	146.6	6	
8	161	-1325	-2	0	0	-0	0	430.2	1.2	1.6	0.0	431.4	6	
9	161	-683	-2	0	0	-0	0	221.6	1.3	1.6	0.0	222.9	6	
10	161	-642	-3	0	0	-0	0	208.3	2.3	2.5	0.0	210.6	6	
11	161	-409	-2	0	0	-0	0	132.6	1.2	1.6	0.0	133.8	6	
12	161	-1094	-2	0	0	-0	0	355.2	1.4	1.6	0.0	356.6	6	
13	161	-586	-2	0	0	-0	0	190.1	1.3	1.6	0.0	191.4	6	
14	161	-709	-3	0	0	-0	0	230.3	2.4	2.7	0.0	232.7	6	
15	161	-465	-2	0	0	-0	0	151.0	1.1	1.6	0.0	152.1	6	
16	161	-1343	-2	0	0	-0	0	436.0	1.4	1.6	0.0	437.4	6	
17	161	-696	-2	0	0	-0	0	225.9	1.3	1.6	0.0	227.1	6	

ASTA NUM. 36 NI 190 NF 189 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	222	2	0	0	0	0	72.1	2.7	1.5	0.0	74.8	6	
1E	0	222	2	0	0	0	0	72.2	2.7	1.5	0.0	74.9	6	
1I	0	222	2	-0	0	0	0	72.0	2.7	1.5	0.0	74.6	6	
1M	0	223	2	-0	0	0	0	72.4	2.7	1.5	0.0	75.0	6	
2	0	350	2	-0	0	0	0	113.6	3.6	2.1	0.0	117.2	6	
3	0	204	1	-0	0	-0	0	66.2	2.2	1.3	0.0	68.4	6	
4	0	223	1	-0	0	-0	0	72.3	2.3	1.3	0.0	74.6	6	
5	0	167	1	-0	0	-0	0	54.3	2.2	1.3	0.0	56.5	6	
6	0	376	2	-0	0	0	0	122.1	3.7	2.1	0.0	125.8	6	
7	0	212	1	-0	0	0	0	69.0	2.2	1.3	0.0	71.2	6	
8	0	256	1	-0	0	-0	0	83.2	2.4	1.3	0.0	85.6	6	
9	0	178	1	-0	0	0	0	57.8	2.2	1.3	0.0	60.0	6	
10	0	370	2	-0	0	0	0	120.2	3.7	2.1	0.0	123.9	6	
11	0	212	1	-0	0	0	0	68.7	2.3	1.3	0.0	70.9	6	
12	0	211	1	-0	0	-0	0	68.6	2.3	1.3	0.0	70.9	6	
13	0	184	1	-0	0	0	0	59.8	2.3	1.3	0.0	62.0	6	
14	0	438	2	-0	0	0	0	142.3	4.0	2.2	0.0	146.3	6	
15	0	248	1	-0	0	0	0	80.4	2.3	1.3	0.0	82.6	6	
16	0	254	1	-0	0	-0	0	82.5	2.3	1.3	0.0	84.8	6	
17	0	225	1	-0	0	0	0	73.1	2.3	1.3	0.0	75.4	6	
1A	66	222	0	0	0	0	1	72.1	36.9	0.0	0.0	109.0	6	
1E	66	222	0	0	0	0	1	72.2	36.9	0.0	0.0	109.2	6	
1I	66	222	0	-0	0	0	1	72.0	36.9	0.0	0.0	108.9	6	
1M	66	223	0	-0	0	0	1	72.4	36.9	0.0	0.0	109.3	6	
2	66	350	0	-0	0	0	1	113.6	51.7	0.0	0.0	165.3	6	
3	66	204	0	-0	0	0	1	66.2	32.3	0.0	0.0	98.5	6	

4	66	223	0	-0	0	0	1	72.3	32.4	0.0	0.0	104.6	6
5	66	167	0	-0	0	0	0	54.3	32.3	0.0	0.0	86.6	6
6	66	376	0	-0	0	0	1	122.1	51.7	0.0	0.0	173.8	6
7	66	212	0	-0	0	0	1	69.0	32.3	0.0	0.0	101.3	6
8	66	256	0	-0	0	0	1	83.2	32.4	0.0	0.0	115.6	6
9	66	178	0	-0	0	0	0	57.8	32.3	0.0	0.0	90.1	6
10	66	370	0	-0	0	0	1	120.2	51.7	0.0	0.0	171.9	6
11	66	212	0	-0	0	0	1	68.7	32.3	0.0	0.0	101.0	6
12	66	211	0	-0	0	0	1	68.6	32.4	0.0	0.0	101.0	6
13	66	184	0	-0	0	0	0	59.8	32.3	0.0	0.0	92.1	6
14	66	438	0	-0	0	0	1	142.3	55.4	0.0	0.0	197.8	6
15	66	248	0	-0	0	0	1	80.4	32.3	0.0	0.0	112.7	6
16	66	254	0	-0	0	0	1	82.5	32.4	0.0	0.0	114.9	6
17	66	225	0	-0	0	0	1	73.1	32.3	0.0	0.0	105.4	6
1A	133	222	-2	0	0	0	0	72.1	2.7	1.5	0.0	74.8	6
1E	133	222	-2	0	0	0	0	72.2	2.7	1.5	0.0	74.9	6
1I	133	222	-2	-0	0	0	0	72.0	2.7	1.5	0.0	74.7	6
1M	133	223	-2	-0	0	0	0	72.4	2.7	1.5	0.0	75.1	6
2	133	350	-2	-0	0	0	0	113.6	3.9	2.1	0.0	117.5	6
3	133	204	-1	-0	0	0	0	66.2	2.5	1.3	0.0	68.6	6
4	133	223	-1	-0	0	0	0	72.3	2.8	1.3	0.0	75.1	6
5	133	167	-1	-0	0	0	0	54.3	2.5	1.3	0.0	56.7	6
6	133	376	-2	-0	0	0	0	122.1	3.8	2.1	0.0	126.0	6
7	133	212	-1	-0	0	0	0	69.0	2.5	1.3	0.0	71.4	6
8	133	256	-1	-0	0	0	0	83.2	2.9	1.3	0.0	86.1	6
9	133	178	-1	-0	0	0	0	57.8	2.4	1.3	0.0	60.2	6
10	133	370	-2	-0	0	0	0	120.2	3.9	2.1	0.0	124.1	6
11	133	212	-1	-0	0	0	0	68.7	2.5	1.3	0.0	71.1	6
12	133	211	-1	-0	0	0	0	68.6	2.8	1.3	0.0	71.4	6
13	133	184	-1	-0	0	0	0	59.8	2.4	1.3	0.0	62.2	6
14	133	438	-2	-0	0	0	0	142.3	4.2	2.2	0.0	146.5	6
15	133	248	-1	-0	0	0	0	80.4	2.5	1.3	0.0	82.9	6
16	133	254	-1	-0	0	0	0	82.5	2.9	1.3	0.0	85.4	6
17	133	225	-1	-0	0	0	0	73.1	2.5	1.3	0.0	75.6	6

ASTA NUM. 37 NI 190 NF 191 Lungh. 87.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y 2.4178 qy tot. 2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	179	1	0	0	0	-0	58.2	5.7	1.2	0.0	63.9	6	
1E	0	183	1	0	0	0	-0	59.3	5.7	1.2	0.0	65.0	6	
1I	0	180	1	0	0	0	-0	58.5	5.6	1.2	0.0	64.1	6	
1M	0	182	1	0	0	0	-0	59.1	5.6	1.2	0.0	64.7	6	
2	0	305	2	0	0	0	-0	99.0	7.9	1.7	0.0	106.9	6	
3	0	220	1	0	0	0	-0	71.6	4.8	1.1	0.0	76.4	6	
4	0	936	1	0	0	-0	-0	303.9	5.1	1.1	0.0	309.0	6	
5	0	461	1	0	0	0	-0	149.8	4.8	1.1	0.0	154.6	6	
6	0	233	2	0	0	0	-0	75.8	7.9	1.7	0.0	83.7	6	
7	0	202	1	0	0	0	-0	65.5	4.7	1.1	0.0	70.2	6	
8	0	1092	1	0	0	-0	-0	354.5	5.0	1.1	0.0	359.6	6	
9	0	500	1	0	0	0	-0	162.5	4.8	1.1	0.0	167.2	6	
10	0	201	2	0	0	0	-0	65.1	8.0	1.7	0.0	73.1	6	
11	0	160	1	0	0	0	-0	52.0	4.8	1.1	0.0	56.9	6	
12	0	902	1	0	0	-0	-0	292.9	5.2	1.1	0.0	298.1	6	
13	0	388	1	0	0	0	-0	125.9	4.8	1.1	0.0	130.8	6	
14	0	183	2	0	0	0	-0	59.4	8.6	1.8	0.0	68.0	6	
15	0	173	1	0	0	0	-0	56.3	4.8	1.1	0.0	61.1	6	
16	0	1114	1	0	0	-0	-0	361.7	5.3	1.1	0.0	367.0	6	
17	0	452	1	0	0	0	-0	146.9	4.8	1.1	0.0	151.6	6	
1A	44	179	0	0	0	0	0	58.2	17.0	0.2	0.0	75.2	6	
1E	44	183	0	0	0	0	0	59.3	17.0	0.2	0.0	76.3	6	
1I	44	180	0	0	0	0	0	58.5	16.9	0.2	0.0	75.4	6	
1M	44	182	0	0	0	0	0	59.1	16.9	0.2	0.0	76.0	6	
2	44	305	0	0	0	0	0	99.0	23.5	0.3	0.0	122.5	6	
3	44	220	0	0	0	-0	0	71.6	14.8	0.2	0.0	86.4	6	
4	44	936	0	0	0	-0	0	303.9	14.7	0.2	0.0	318.6	6	
5	44	461	0	0	0	-0	0	149.8	14.8	0.2	0.0	164.6	6	
6	44	233	0	0	0	0	0	75.8	23.7	0.3	0.0	99.5	6	
7	44	202	0	0	0	-0	0	65.5	15.0	0.2	0.0	80.4	6	
8	44	1092	0	0	0	-0	0	354.5	14.8	0.2	0.0	369.3	6	
9	44	500	0	0	0	0	0	162.5	14.9	0.2	0.0	177.4	6	
10	44	201	0	0	0	0	0	65.1	23.5	0.3	0.0	88.7	6	
11	44	160	0	0	0	0	0	52.0	14.8	0.2	0.0	66.8	6	
12	44	902	0	0	0	-0	0	292.9	14.6	0.2	0.0	307.5	6	
13	44	388	0	0	0	0	0	125.9	14.8	0.2	0.0	140.7	6	
14	44	183	0	0	0	0	0	59.4	25.2	0.4	0.0	84.6	6	
15	44	173	0	0	0	-0	0	56.3	14.8	0.2	0.0	71.1	6	
16	44	1114	0	0	0	-0	0	361.7	14.6	0.2	0.0	376.3	6	
17	44	452	0	0	0	0	0	146.9	14.8	0.2	0.0	161.7	6	
1A	87	179	-1	0	0	-0	0	58.2	9.5	0.7	0.0	67.7	6	
1E	87	183	-1	0	0	-0	0	59.3	9.5	0.7	0.0	68.8	6	
1I	87	180	-1	0	0	-0	0	58.5	9.5	0.7	0.0	68.0	6	
1M	87	182	-1	0	0	-0	0	59.1	9.5	0.7	0.0	68.6	6	
2	87	305	-1	0	0	-0	0	99.0	13.2	1.0	0.0	112.2	6	
3	87	220	-1	0	0	-0	0	71.6	8.4	0.6	0.0	80.0	6	
4	87	936	-1	0	0	-0	0	303.9	8.4	0.6	0.0	312.3	6	
5	87	461	-1	0	0	-0	0	149.8	8.4	0.6	0.0	158.2	6	
6	87	233	-1	0	0	-0	0	75.8	13.3	1.0	0.0	89.1	6	
7	87	202	-1	0	0	-0	0	65.5	8.6	0.6	0.0	74.1	6	
8	87	1092	-1	0	0	-0	0	354.5	8.5	0.6	0.0	363.0	6	
9	87	500	-1	0	0	-0	0	162.5	8.5	0.6	0.0	171.0	6	
10	87	201	-1	0	0	-0	0	65.1	13.0	1.0	0.0	78.2	6	
11	87	160	-1	0	0	-0	0	52.0	8.3	0.6	0.0	60.3	6	
12	87	902	-1	0	0	-0	0	292.9	8.2	0.6	0.0	301.2	6	
13	87	388	-1	0	0	-0	0	125.9	8.3	0.6	0.0	134.2	6	
14	87	183	-1	0	0	-0	0	59.4	13.9	1.1	0.0	73.4	6	
15	87	173	-1	0	0	-0	0	56.3	8.4	0.6	0.0	64.7	6	
16	87	1114	-1	0	0	-0	0	361.7	8.3	0.6	0.0	370.0	6	
17	87	452	-1	0	0	-0	0	146.9	8.3	0.6	0.0	155.1	6	

ASTA NUM. 38 NI 189 NF 191 Lungh. 87.4 cm SEZ. 6 Ps L 40X 4

qy medio cond.: A B C D E F G H p.p. y 2.4178 qy tot. 2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-71	1	-0	0	-0	-0	23.0	5.5	1.2	0.0	28.5	6	
1E	0	-67	1	-0	0	-0	-0	21.9	5.5	1.2	0.0	27.3	6	
1I	0	-70	1	-0	0	-0	-0	22.7	5.5	1.2	0.0	28.3	6	
1M	0	-68	1	-0	0	-0	-0	22.1	5.5	1.2	0.0	27.6	6	
2	0	-309	2	-0	0	-0	-0	100.4	7.9	1.7	0.0	108.3	6	
3	0	-305	1	-0	0	-0	-0	99.0	5.0	1.1	0.0	104.0	6	
4	0	-1001	1	-0	0	-0	-0	325.0	5.0	1.1	0.0	330.0	6	
5	0	-339	1	-0	0	-0	-0	110.0	5.0	1.1	0.0	115.0	6	
6	0	-63	2	-0	0	-0	-0	20.3	7.8	1.7	0.0	28.2	6	
7	0	-204	1	-0	0	-0	-0	66.1	5.1	1.1	0.0	71.2	6	
8	0	-1096	1	-0	0	-0	-0	355.8	5.1	1.1	0.0	361.0	6	
9	0	-242	1	-0	0	-0	-0	78.6	5.0	1.1	0.0	83.6	6	
10	0	-135	2	-0	0	-0	-0	43.8	7.9	1.7	0.0	51.7	6	
11	0	-191	1	-0	0	-0	-0	62.0	5.1	1.1	0.0	67.1	6	
12	0	-861	1	-0	0	-0	-0	279.5	4.9	1.1	0.0	284.4	6	
13	0	-250	1	-0	0	-0	-0	81.0	5.1	1.1	0.0	86.1	6	
14	0	-113	2	-0	0	-0	-0	36.7	8.5	1.8	0.0	45.2	6	
15	0	-232	1	-0	0	-0	-0	75.2	5.2	1.1	0.0	80.4	6	
16	0	-1073	1	-0	0	-0	-0	348.4	4.9	1.1	0.0	353.3	6	
17	0	-309	1	-0	0	-0	-0	100.4	5.1	1.1	0.0	105.5	6	
1A	44	-71	0	-0	0	-0	0	23.0	17.0	0.2	0.0	40.0	6	
1E	44	-67	0	-0	0	-0	0	21.9	17.0	0.2	0.0	38.8	6	
1I	44	-70	0	-0	0	-0	0	22.7	17.0	0.2	0.0	39.7	6	
1M	44	-68	0	-0	0	-0	0	22.1	17.0	0.2	0.0	39.1	6	
2	44	-309	0	-0	0	-0	0	100.4	23.8	0.3	0.0	124.2	6	
3	44	-305	0	-0	0	-0	0	99.0	14.7	0.2	0.0	113.7	6	
4	44	-1001	0	-0	0	-0	0	325.0	15.1	0.2	0.0	340.1	6	
5	44	-339	0	-0	0	-0	0	110.0	14.8	0.2	0.0	124.8	6	
6	44	-63	0	-0	0	-0	0	20.3	23.9	0.3	0.0	44.2	6	
7	44	-204	0	-0	0	-0	0	66.1	14.7	0.2	0.0	80.8	6	
8	44	-1096	0	-0	0	-0	0	355.8	15.2	0.2	0.0	371.0	6	
9	44	-242	0	-0	0	-0	0	78.6	14.9	0.2	0.0	93.5	6	
10	44	-135	0	-0	0	-0	0	43.8	23.7	0.3	0.0	67.5	6	
11	44	-191	0	-0	0	-0	0	62.0	14.6	0.2	0.0	76.6	6	
12	44	-861	0	-0	0	-0	0	279.5	15.2	0.2	0.0	294.7	6	
13	44	-250	0	-0	0	-0	0	81.0	14.7	0.2	0.0	95.8	6	
14	44	-113	0	-0	0	-0	0	36.7	25.4	0.4	0.0	62.0	6	
15	44	-232	0	-0	0	-0	0	75.2	14.5	0.2	0.0	89.8	6	
16	44	-1073	0	-0	0	-0	0	348.4	15.3	0.2	0.0	363.7	6	
17	44	-309	0	-0	0	-0	0	100.4	14.7	0.2	0.0	115.1	6	
1A	87	-71	-1	-0	0	0	0	23.0	9.5	0.7	0.0	32.4	6	
1E	87	-67	-1	-0	0	0	0	21.9	9.5	0.7	0.0	31.3	6	
1I	87	-70	-1	-0	0	0	0	22.7	9.5	0.7	0.0	32.2	6	
1M	87	-68	-1	-0	0	0	0	22.1	9.5	0.7	0.0	31.6	6	
2	87	-309	-1	-0	0	-0	0	100.4	13.2	1.0	0.0	113.6	6	
3	87	-305	-1	-0	0	-0	0	99.0	8.1	0.6	0.0	107.0	6	
4	87	-1001	-1	-0	0	-0	0	325.0	8.4	0.6	0.0	333.4	6	
5	87	-339	-1	-0	0	-0	0	110.0	8.2	0.6	0.0	118.2	6	
6	87	-63	-1	-0	0	0	0	20.3	13.3	1.0	0.0	33.6	6	
7	87	-204	-1	-0	0	-0	0	66.1	8.0	0.6	0.0	74.1	6	
8	87	-1096	-1	-0	0	-0	0	355.8	8.4	0.6	0.0	364.3	6	
9	87	-242	-1	-0	0	-0	0	78.6	8.2	0.6	0.0	86.8	6	
10	87	-135	-1	-0	0	0	0	43.8	13.0	1.0	0.0	56.8	6	

11	87	-191	-1	-0	0	-0	0	62.0	7.9	0.6	0.0	69.9	6
12	87	-861	-1	-0	0	-0	0	279.5	8.5	0.6	0.0	288.0	6
13	87	-250	-1	-0	0	-0	0	81.0	8.0	0.6	0.0	89.1	6
14	87	-113	-1	-0	0	0	0	36.7	13.9	1.1	0.0	50.6	6
15	87	-232	-1	-0	0	-0	0	75.2	7.8	0.6	0.0	83.0	6
16	87	-1073	-1	-0	0	-0	0	348.4	8.5	0.6	0.0	356.9	6
17	87	-309	-1	-0	0	-0	0	100.4	8.0	0.6	0.0	108.3	6

ASTA NUM. 39 NI 142 NF 147 Lungh. 68.6 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.6900	2.4225	--	--	3.0704	15.1828 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13373	-1	-1	0	-1	1	1096.1	6.2	0.3	0.0	1102.3	6	
1E	0	-13307	-1	-1	0	-1	1	1090.7	6.2	0.3	0.0	1096.9	6	
1I	0	-13422	-1	-1	0	-1	1	1100.2	6.5	0.3	0.0	1106.6	6	
1M	0	-13258	-1	-1	0	-1	1	1086.7	6.5	0.3	0.0	1093.2	6	
2	0	-18490	5	-1	0	-1	0	1515.6	6.6	1.2	0.0	1522.2	1	
3	0	-10620	3	-1	0	-0	0	870.5	3.8	0.8	0.0	874.3	1	
4	0	-10670	3	-1	0	-0	0	874.6	3.8	0.8	0.0	878.4	1	
5	0	-10080	3	-1	0	-0	0	826.2	3.5	0.8	0.0	829.7	1	
6	0	-21690	0	-2	0	-1	1	1777.9	9.0	0.5	0.0	1786.9	1	
7	0	-12210	0	-1	0	-1	1	1000.8	5.3	0.3	0.0	1006.1	6	
8	0	-12780	0	-1	0	-1	1	1047.5	5.3	0.3	0.0	1052.9	1	
9	0	-12030	0	-1	0	-1	0	986.1	5.0	0.3	0.0	991.0	1	
10	0	-20560	5	-1	0	-1	0	1685.2	7.3	1.2	0.0	1692.5	1	
11	0	-11800	3	-1	0	-1	0	967.2	4.2	0.8	0.0	971.4	1	
12	0	-11840	3	-1	0	-1	0	970.5	4.1	0.8	0.0	974.6	1	
13	0	-11230	3	-1	0	-0	0	920.5	3.9	0.8	0.0	924.4	1	
14	0	-22280	-0	-2	0	-1	1	1826.2	9.8	0.5	0.0	1836.0	6	
15	0	-12470	-0	-1	0	-1	1	1022.1	5.9	0.3	0.0	1028.0	6	
16	0	-12930	-0	-1	0	-1	1	1059.8	5.7	0.3	0.0	1065.6	6	
17	0	-12170	0	-1	0	-1	1	997.5	5.3	0.3	0.0	1002.8	6	
1A	34	-13368	-2	-1	0	-0	0	1095.7	1.4	0.5	0.0	1097.2	6	
1E	34	-13302	-2	-1	0	-0	0	1090.3	1.4	0.5	0.0	1091.8	6	
1I	34	-13417	-2	-1	0	-0	0	1099.7	1.3	0.5	0.0	1101.1	6	
1M	34	-13253	-2	-1	0	-0	0	1086.3	1.3	0.5	0.0	1087.6	6	
2	34	-18485	-1	-1	0	-0	1	1515.2	8.3	0.3	0.0	1523.5	6	
3	34	-10620	-1	-1	0	-0	1	870.5	5.2	0.2	0.0	875.7	6	
4	34	-10670	-1	-1	0	-0	1	874.6	4.9	0.2	0.0	879.5	6	
5	34	-10080	-1	-1	0	-0	1	826.2	5.1	0.1	0.0	831.4	6	
6	34	-21685	-3	-2	0	-0	0	1777.5	3.8	0.6	0.0	1781.2	6	
7	34	-12205	-2	-1	0	-0	0	1000.4	2.3	0.4	0.0	1002.7	6	
8	34	-12775	-2	-1	0	-0	0	1047.1	2.0	0.4	0.0	1049.2	6	
9	34	-12030	-1	-1	0	-0	0	986.1	2.3	0.3	0.0	988.3	6	
10	34	-20555	-1	-1	0	-0	1	1684.8	8.5	0.3	0.0	1693.3	6	
11	34	-11795	-1	-1	0	-0	1	966.8	5.3	0.2	0.0	972.1	6	
12	34	-11835	-1	-1	0	-0	1	970.1	5.0	0.2	0.0	975.1	6	
13	34	-11230	-1	-1	0	-0	1	920.5	5.2	0.1	0.0	925.7	6	
14	34	-22275	-3	-2	0	-0	0	1825.8	3.9	0.7	0.0	1829.8	6	
15	34	-12470	-2	-1	0	-0	0	1022.1	2.4	0.4	0.0	1024.5	6	
16	34	-12930	-2	-1	0	-0	0	1059.8	2.1	0.4	0.0	1061.9	6	
17	34	-12165	-2	-1	0	-0	0	997.1	2.4	0.4	0.0	999.5	6	
1A	69	-13363	-3	-1	0	0	-1	1095.3	5.9	0.7	0.0	1101.2	6	
1E	69	-13297	-3	-1	0	0	-1	1089.9	5.9	0.7	0.0	1095.8	6	
1I	69	-13412	-3	-1	0	0	-1	1099.3	6.4	0.7	0.0	1105.7	6	
1M	69	-13248	-3	-1	0	0	-1	1085.9	6.4	0.7	0.0	1092.3	6	
2	69	-18480	-8	-1	0	-0	-1	1514.8	3.6	1.8	0.0	1518.4	6	
3	69	-10620	-5	-1	0	-0	-0	870.5	2.4	1.1	0.0	872.8	6	
4	69	-10670	-5	-1	0	0	-0	874.6	2.5	1.1	0.0	877.0	6	
5	69	-10080	-5	-1	0	-0	-0	826.2	1.9	1.1	0.0	828.1	6	
6	69	-21680	-5	-2	0	0	-1	1777.0	7.9	1.3	0.0	1784.9	6	
7	69	-12200	-3	-1	0	0	-1	1000.0	4.8	0.8	0.0	1004.8	6	
8	69	-12770	-3	-1	0	0	-1	1046.7	5.3	0.8	0.0	1052.0	6	
9	69	-12030	-3	-1	0	0	-1	986.1	4.3	0.7	0.0	990.4	6	
10	69	-20550	-8	-1	0	-0	-1	1684.4	3.9	1.8	0.0	1688.3	6	
11	69	-11790	-5	-1	0	-0	-0	966.4	2.5	1.1	0.0	968.9	6	
12	69	-11830	-5	-1	0	0	-0	969.7	2.5	1.1	0.0	972.2	6	
13	69	-11230	-5	-1	0	-0	-0	920.5	2.1	1.1	0.0	922.6	6	
14	69	-22270	-6	-2	0	0	-1	1825.4	8.8	1.4	0.0	1834.2	6	
15	69	-12470	-4	-1	0	0	-1	1022.1	5.3	0.8	0.0	1027.4	6	
16	69	-12930	-3	-1	0	0	-1	1059.8	5.7	0.8	0.0	1065.6	6	
17	69	-12160	-3	-1	0	0	-1	996.7	4.8	0.8	0.0	1001.5	6	

ASTA NUM. 40 NI 199 NF 181 Lungh. 168.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	127	2	-0	0	-0	0	41.3	0.3	1.9	0.0	41.6	1	
1E	0	132	2	-0	0	-0	0	42.9	0.3	1.9	0.0	43.3	1	
1I	0	128	2	-0	0	-0	0	41.7	0.4	1.9	0.0	42.1	1	
1M	0	131	2	-0	0	-0	0	42.5	0.4	1.9	0.0	42.9	1	
2	0	81	3	-0	0	-0	0	26.4	0.5	2.6	0.0	27.0	5	
3	0	271	2	-0	0	-0	0	87.8	0.2	1.6	0.0	88.0	1	
4	0	77	2	-0	0	-0	0	24.9	0.3	1.6	0.0	25.2	1	
5	0	-25	2	-0	0	-0	0	8.2	0.3	1.6	0.0	8.8	5	
6	0	218	3	-0	0	-0	0	70.7	0.6	2.6	0.0	71.3	1	
7	0	478	2	-0	0	-0	0	155.0	0.2	1.6	0.0	155.2	1	
8	0	171	2	-0	0	-0	0	55.4	0.4	1.6	0.0	55.8	1	
9	0	18	2	-0	0	-0	0	5.9	0.4	1.6	0.0	6.7	5	
10	0	211	3	-0	0	-0	0	68.4	0.5	2.6	0.0	69.0	1	
11	0	350	2	-0	0	-0	0	113.7	0.2	1.6	0.0	113.9	1	
12	0	145	2	-0	0	-0	0	47.2	0.3	1.6	0.0	47.6	1	
13	0	82	2	-0	0	-0	0	26.5	0.3	1.6	0.0	26.8	1	
14	0	244	3	-0	0	-0	0	79.2	0.6	2.8	0.0	79.9	1	
15	0	493	2	-0	0	-0	0	160.1	0.2	1.6	0.0	160.3	1	
16	0	166	2	-0	0	-0	0	53.9	0.4	1.6	0.0	54.3	1	
17	0	77	2	-0	0	-0	0	25.0	0.4	1.6	0.0	25.3	1	
1A	84	127	-0	-0	0	0	1	41.3	55.0	0.0	0.0	96.3	6	
1E	84	132	-0	-0	0	0	1	42.9	55.0	0.0	0.0	97.9	6	
1I	84	128	-0	-0	0	0	1	41.7	55.0	0.0	0.0	96.7	6	
1M	84	131	-0	-0	0	0	1	42.5	55.0	0.0	0.0	97.5	6	
2	84	81	-0	-0	0	0	1	26.4	76.9	0.0	0.0	103.3	6	
3	84	271	-0	-0	0	0	1	87.8	47.9	0.0	0.0	135.7	6	
4	84	77	-0	-0	0	0	1	24.9	47.7	0.0	0.0	72.6	6	
5	84	-25	-0	-0	0	0	1	8.2	48.0	0.0	0.0	56.2	6	
6	84	218	-0	-0	0	0	1	70.7	77.0	0.0	0.0	147.7	6	
7	84	478	-0	-0	0	0	1	155.0	47.8	0.0	0.0	202.8	6	
8	84	171	-0	-0	0	0	1	55.4	47.7	0.0	0.0	103.1	6	
9	84	18	-0	-0	0	0	1	5.9	48.1	0.0	0.0	54.0	6	
10	84	211	-0	-0	0	0	1	68.4	76.9	0.0	0.0	145.4	6	
11	84	350	-0	-0	0	0	1	113.7	47.9	0.0	0.0	161.6	6	
12	84	145	-0	-0	0	0	1	47.2	47.7	0.0	0.0	94.9	6	
13	84	82	-0	-0	0	0	1	26.5	48.0	0.0	0.0	74.5	6	
14	84	244	-0	-0	0	0	1	79.2	82.4	0.0	0.0	161.7	6	
15	84	493	-0	-0	0	0	1	160.1	47.7	0.0	0.0	207.9	6	
16	84	166	-0	-0	0	0	1	53.9	47.6	0.0	0.0	101.6	6	
17	84	77	-0	-0	0	0	1	25.0	48.0	0.0	0.0	73.0	6	
1A	169	127	-2	-0	0	0	-0	41.3	1.1	1.9	0.0	42.4	6	
1E	169	132	-2	-0	0	0	-0	42.9	1.1	1.9	0.0	44.1	6	
1I	169	128	-2	-0	0	0	-0	41.7	1.1	1.9	0.0	42.9	6	
1M	169	131	-2	-0	0	0	-0	42.5	1.1	1.9	0.0	43.6	6	
2	169	81	-3	-0	0	0	-0	26.4	1.7	2.7	0.0	28.1	6	
3	169	271	-2	-0	0	0	-0	87.8	1.4	1.7	0.0	89.2	6	
4	169	77	-2	-0	0	0	-0	24.9	1.9	1.7	0.0	26.8	6	
5	169	-25	-2	-0	0	0	-0	8.2	1.2	1.7	0.0	9.4	6	
6	169	218	-3	-0	0	0	-0	70.7	1.6	2.7	0.0	72.3	6	
7	169	478	-2	-0	0	0	-0	155.0	1.5	1.7	0.0	156.6	6	
8	169	171	-2	-0	0	0	-0	55.4	2.1	1.7	0.0	57.5	6	
9	169	18	-2	-0	0	0	-0	5.9	1.2	1.7	0.0	7.1	6	
10	169	211	-3	-0	0	0	-0	68.4	1.7	2.7	0.0	70.2	6	
11	169	350	-2	-0	0	0	-0	113.7	1.4	1.7	0.0	115.2	6	
12	169	145	-2	-0	0	0	-0	47.2	2.1	1.7	0.0	49.3	6	
13	169	82	-2	-0	0	0	-0	26.5	1.2	1.7	0.0	27.7	6	
14	169	244	-3	-0	0	0	-0	79.2	1.9	2.9	0.0	81.1	6	
15	169	493	-2	-0	0	0	-0	160.1	1.7	1.7	0.0	161.8	6	
16	169	166	-2	-0	0	0	-0	53.9	2.4	1.7	0.0	56.4	6	
17	169	77	-2	-0	0	0	-0	25.0	1.2	1.7	0.0	26.2	6	

ASTA NUM. 41 NI 198 NF 182 Lungh. 168.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	127	2	0	0	0	0	41.3	0.4	1.9	0.0	41.7	1	
1E	0	132	2	0	0	0	0	43.0	0.4	1.9	0.0	43.3	1	
1I	0	129	2	0	0	0	0	41.7	0.4	1.9	0.0	42.1	1	
1M	0	131	2	0	0	0	0	42.5	0.4	1.9	0.0	42.9	1	
2	0	284	3	0	0	0	0	92.1	0.4	2.6	0.0	92.5	1	
3	0	-44	2	0	0	0	0	14.3	0.2	1.7	0.0	14.7	5	
4	0	150	2	0	0	0	0	48.8	0.2	1.7	0.0	49.0	1	
5	0	228	2	0	0	0	0	74.0	0.3	1.7	0.0	74.3	1	
6	0	218	3	0	0	0	0	70.7	0.6	2.6	0.0	71.3	1	

7	0	-209	2	0	0	0	0	67.8	0.3	1.7	0.0	68.1	1
8	0	117	2	0	0	0	0	38.1	0.3	1.7	0.0	38.3	1
9	0	226	2	0	0	0	0	73.5	0.4	1.7	0.0	73.9	1
10	0	211	3	0	0	0	0	68.5	0.5	2.6	0.0	69.0	1
11	0	-91	2	0	0	0	0	29.5	0.3	1.7	0.0	29.8	1
12	0	93	2	0	0	0	0	30.1	0.3	1.7	0.0	30.4	1
13	0	158	2	0	0	0	0	51.2	0.3	1.6	0.0	51.5	1
14	0	244	3	0	0	0	0	79.3	0.6	2.8	0.0	79.9	1
15	0	-193	2	0	0	0	0	62.7	0.4	1.7	0.0	63.1	1
16	0	113	2	0	0	0	0	36.7	0.3	1.7	0.0	37.0	1
17	0	203	2	0	0	0	0	66.0	0.4	1.6	0.0	66.4	1
1A	84	127	-0	0	0	-0	1	41.3	55.1	0.0	0.0	96.5	6
1E	84	132	-0	0	0	-0	1	43.0	55.1	0.0	0.0	98.1	6
1I	84	129	-0	0	0	-0	1	41.7	55.1	0.0	0.0	96.9	6
1M	84	131	-0	0	0	-0	1	42.5	55.1	0.0	0.0	97.7	6
2	84	284	-0	0	0	-0	1	92.1	77.2	0.0	0.0	169.3	6
3	84	-44	-0	0	0	-0	1	14.3	48.4	0.0	0.0	62.8	6
4	84	150	0	0	0	-0	1	48.8	48.6	0.0	0.0	97.4	6
5	84	228	-0	0	0	-0	1	74.0	48.3	0.0	0.0	122.3	6
6	84	218	-0	0	0	-0	1	70.7	77.2	0.0	0.0	147.9	6
7	84	-209	-0	0	0	-0	1	67.8	48.6	0.0	0.0	116.3	6
8	84	117	0	0	0	-0	1	38.1	48.7	0.0	0.0	86.7	6
9	84	226	-0	0	0	-0	1	73.5	48.4	0.0	0.0	121.8	6
10	84	211	-0	0	0	-0	1	68.5	77.1	0.0	0.0	145.6	6
11	84	-91	-0	0	0	-0	1	29.5	48.4	0.0	0.0	77.9	6
12	84	93	0	0	0	-0	1	30.1	48.6	0.0	0.0	78.7	6
13	84	158	-0	0	0	-0	1	51.2	48.3	0.0	0.0	99.4	6
14	84	244	-0	0	0	-0	1	79.3	82.6	0.0	0.0	161.9	6
15	84	-193	-0	0	0	-0	1	62.7	48.5	0.0	0.0	111.2	6
16	84	113	0	0	0	-0	1	36.7	48.7	0.0	0.0	85.4	6
17	84	203	-0	0	0	-0	1	66.0	48.3	0.0	0.0	114.3	6
1A	169	127	-2	0	0	-0	-0	41.3	0.6	1.9	0.0	42.0	1
1E	169	132	-2	0	0	-0	-0	43.0	0.6	1.9	0.0	43.6	1
1I	169	129	-2	0	0	-0	-0	41.7	0.6	1.9	0.0	42.4	1
1M	169	131	-2	0	0	-0	-0	42.5	0.6	1.9	0.0	43.2	1
2	169	284	-3	0	0	-0	-0	92.1	1.1	2.7	0.0	93.2	1
3	169	-44	-2	0	0	-0	0	14.3	0.5	1.7	0.0	14.8	1
4	169	150	-2	0	0	-0	0	48.8	0.5	1.6	0.0	49.3	1
5	169	228	-2	0	0	-0	0	74.0	0.5	1.7	0.0	74.5	1
6	169	218	-3	0	0	-0	-0	70.7	1.3	2.7	0.0	72.0	1
7	169	-209	-2	0	0	-0	0	67.8	0.6	1.7	0.0	68.4	1
8	169	117	-2	0	0	-0	0	38.1	0.6	1.6	0.0	38.7	1
9	169	226	-2	0	0	-0	0	73.5	0.6	1.7	0.0	74.1	1
10	169	211	-3	0	0	-0	-0	68.5	1.3	2.7	0.0	69.7	1
11	169	-91	-2	0	0	-0	0	29.5	0.5	1.7	0.0	30.0	1
12	169	93	-2	0	0	-0	0	30.1	0.6	1.6	0.0	30.7	1
13	169	158	-2	0	0	-0	0	51.2	0.5	1.7	0.0	51.7	1
14	169	244	-3	0	0	-0	-0	79.3	1.5	2.8	0.0	80.7	1
15	169	-193	-2	0	0	-0	0	62.7	0.6	1.7	0.0	63.3	1
16	169	113	-2	0	0	-0	0	36.7	1.1	1.6	0.0	37.8	6
17	169	203	-2	0	0	-0	0	66.0	0.6	1.7	0.0	66.6	1

ASTA NUM. 42 NI 197 NF 198 Lungh. 154.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-127	2	-0	0	0	0	41.3	0.7	1.7	0.0	42.0	6	
1E	0	-116	2	-0	0	0	0	37.6	0.7	1.7	0.0	38.3	6	
1I	0	-124	2	-0	0	0	0	40.1	0.7	1.7	0.0	40.9	6	
1M	0	-119	2	-0	0	0	0	38.8	0.7	1.7	0.0	39.5	6	
2	0	-264	3	-0	0	-0	0	85.6	0.9	2.4	0.0	86.6	6	
3	0	39	2	-0	0	0	0	12.7	0.0	1.5	0.0	13.0	5	
4	0	-140	2	-0	0	-0	0	45.4	0.0	1.5	0.0	45.5	5	
5	0	-211	2	-0	0	-0	0	68.6	0.1	1.5	0.0	68.7	5	
6	0	-204	3	-0	0	0	0	66.2	1.3	2.4	0.0	67.5	6	
7	0	190	2	-0	0	0	0	61.8	0.1	1.5	0.0	61.9	1	
8	0	-110	2	-0	0	0	0	35.6	0.8	1.5	0.0	36.5	6	
9	0	-211	2	-0	0	-0	0	68.3	0.8	1.5	0.0	69.2	6	
10	0	-197	3	-0	0	-0	0	64.1	1.0	2.4	0.0	65.1	6	
11	0	82	2	-0	0	0	0	26.6	0.0	1.5	0.0	26.7	5	
12	0	-87	2	-0	0	-0	0	28.4	0.8	1.5	0.0	29.2	6	
13	0	-147	2	-0	0	-0	0	47.7	0.0	1.5	0.0	47.8	5	
14	0	-228	3	-0	0	-0	0	74.2	1.3	2.6	0.0	75.5	6	
15	0	176	2	-0	0	0	0	57.0	0.1	1.5	0.0	57.2	1	
16	0	-106	2	-0	0	0	0	34.5	1.0	1.5	0.0	35.6	6	
17	0	-189	2	-0	0	-0	0	61.5	0.8	1.5	0.0	62.2	6	
1A	77	-127	-0	-0	0	0	1	41.3	47.0	0.0	0.0	88.3	6	
1E	77	-116	-0	-0	0	0	1	37.6	47.0	0.0	0.0	84.6	6	
1I	77	-124	-0	-0	0	0	1	40.1	47.0	0.0	0.0	87.1	6	
1M	77	-119	-0	-0	0	0	1	38.8	47.0	0.0	0.0	85.7	6	
2	77	-264	-0	-0	0	0	1	85.6	65.7	0.0	0.0	151.4	6	
3	77	39	-0	-0	0	0	1	12.7	40.9	0.0	0.0	53.6	6	
4	77	-140	-0	-0	0	0	1	45.4	41.0	0.0	0.0	86.5	6	
5	77	-211	-0	-0	0	0	1	68.6	41.0	0.0	0.0	109.7	6	
6	77	-204	-0	-0	0	0	1	66.2	65.9	0.0	0.0	132.1	6	
7	77	190	-0	-0	0	0	1	61.8	40.9	0.0	0.0	102.7	6	
8	77	-110	-0	-0	0	0	1	35.6	41.1	0.0	0.0	76.8	6	
9	77	-211	-0	-0	0	0	1	68.3	41.2	0.0	0.0	109.5	6	
10	77	-197	-0	-0	0	0	1	64.1	65.8	0.0	0.0	129.8	6	
11	77	82	-0	-0	0	0	1	26.6	40.9	0.0	0.0	67.5	6	
12	77	-87	-0	-0	0	0	1	28.4	41.2	0.0	0.0	69.5	6	
13	77	-147	-0	-0	0	0	1	47.7	41.0	0.0	0.0	88.8	6	
14	77	-228	-0	-0	0	0	1	74.2	70.6	0.0	0.0	144.7	6	
15	77	176	-0	-0	0	0	1	57.0	40.9	0.0	0.0	98.0	6	
16	77	-106	-0	-0	0	0	1	34.5	41.3	0.0	0.0	75.8	6	
17	77	-189	-0	-0	0	0	1	61.5	41.1	0.0	0.0	102.6	6	
1A	155	-127	-2	-0	0	0	-0	41.3	0.3	1.7	0.0	41.6	1	
1E	155	-116	-2	-0	0	0	-0	37.6	0.3	1.7	0.0	37.9	1	
1I	155	-124	-2	-0	0	0	0	40.1	0.3	1.7	0.0	40.5	1	
1M	155	-119	-2	-0	0	0	0	38.8	0.3	1.7	0.0	39.1	1	
2	155	-264	-3	-0	0	0	0	85.6	0.5	2.4	0.0	86.1	1	
3	155	39	-2	-0	0	0	0	12.7	0.2	1.5	0.0	13.1	5	
4	155	-140	-2	-0	0	0	0	45.4	0.2	1.5	0.0	45.7	1	
5	155	-211	-2	-0	0	0	0	68.6	0.3	1.5	0.0	69.0	1	
6	155	-204	-3	-0	0	0	0	66.2	0.5	2.4	0.0	66.7	1	
7	155	190	-2	-0	0	0	0	61.8	0.2	1.5	0.0	61.9	1	
8	155	-110	-2	-0	0	0	0	35.6	0.3	1.5	0.0	35.9	1	
9	155	-211	-2	-0	0	0	0	68.3	0.4	1.5	0.0	68.8	1	
10	155	-197	-3	-0	0	0	0	64.1	0.5	2.4	0.0	64.6	1	
11	155	82	-2	-0	0	0	0	26.6	0.2	1.5	0.0	26.8	1	
12	155	-87	-2	-0	0	0	0	28.4	0.3	1.5	0.0	28.7	1	
13	155	-147	-2	-0	0	0	0	47.7	0.4	1.5	0.0	48.1	1	
14	155	-228	-3	-0	0	0	0	74.2	0.6	2.6	0.0	74.7	1	
15	155	176	-2	-0	0	0	0	57.0	0.2	1.5	0.0	57.2	1	
16	155	-106	-2	-0	0	0	0	34.5	0.3	1.5	0.0	34.9	1	
17	155	-189	-2	-0	0	0	0	61.5	0.4	1.5	0.0	61.9	1	

ASTA NUM. 43 NI 196 NF 199 Lungh. 154.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-127	2	0	0	0	0	41.3	0.0	1.7	0.0	41.4	5	
1E	0	-116	2	0	0	0	0	37.6	0.0	1.7	0.0	37.7	5	
1I	0	-124	2	0	0	0	0	40.1	0.0	1.7	0.0	40.2	5	
1M	0	-119	2	0	0	0	0	38.7	0.0	1.7	0.0	38.8	5	
2	0	-78	3	0	0	-0	0	25.2	0.7	2.4	0.0	25.9	6	
3	0	-250	2	0	0	0	0	81.1	0.2	1.5	0.0	81.3	1	
4	0	-72	2	0	0	-0	0	23.4	0.0	1.5	0.0	23.5	5	
5	0	21	2	0	0	-0	0	6.9	0.0	1.5	0.0	7.4	5	
6	0	-204	3	0	0	-0	0	66.1	1.1	2.4	0.0	67.2	6	
7	0	-440	2	0	0	0	0	143.0	0.3	1.5	0.0	143.2	1	
8	0	-159	2	0	0	-0	0	51.5	0.0	1.5	0.0	51.6	5	
9	0	-19	2	0	0	-0	0	6.2	0.7	1.5	0.0	6.9	6	
10	0	-197	3	0	0	0	0	64.0	0.9	2.4	0.0	64.9	6	
11	0	-324	2	0	0	0	0	105.0	0.2	1.5	0.0	105.3	1	
12	0	-136	2	0	0	0	0	44.0	0.0	1.5	0.0	44.1	5	
13	0	-77	2	0	0	0	0	25.0	0.1	1.5	0.0	25.2	5	
14	0	-228	3	0	0	0	0	74.1	1.2	2.6	0.0	75.3	6	
15	0	-455	2	0	0	0	0	147.7	0.3	1.5	0.0	148.0	1	
16	0	-155	2	0	0	-0	0	50.3	0.0	1.5	0.0	50.4	5	
17	0	-73	2	0	0	0	0	23.7	0.8	1.5	0.0	24.5	6	
1A	77	-127	-0	0	0	-0	1	41.3	46.9	0.0	0.0	88.2	6	
1E	77	-116	-0	0	0	-0	1	37.6	46.9	0.0	0.0	84.5	6	
1I	77	-124	-0	0	0	-0	1	40.1	46.9	0.0	0.0	87.0	6	
1M	77	-119	-0	0	0	-0	1	38.7	46.9	0.0	0.0	85.6	6	
2	77	-78	-0	0	0	-0	1	25.2	65.6	0.0	0.0	90.8	6	
3	77	-250	-0	0	0	-0	1	81.1	40.9	0.0	0.0	122.1	6	
4	77	-72	-0	0	0	-0	1	23.4	41.0	0.0	0.0	64.3	6	
5	77	21	-0	0	0	-0	1	6.9	41.0	0.0	0.0	48.0	6	
6	77	-204	-0	0	0	-0	1	66.1	65.8	0.0	0.0	132.0	6	
7	77	-440	-0	0	0	-0	1	143.0	41.1	0.0	0.0	184.0	6	
8	77	-159	-0	0	0	-0	1	51.5	41.2	0.0	0.0	92.7	6	
9	77	-19	-0	0	0	-0	1	6.2	41.2	0.0	0.0	47.3	6	
10	77	-197	-0	0	0	-0	1	64.0	65.7	0.0	0.0	129.7	6	
11	77	-324	-0	0	0	-0	1	105.0	41.0	0.0	0.0	146.0	6	
12	77	-136	-0	0	0	-0	1	44.0	40.9	0.0	0.0	84.9	6	
13	77	-77	-0	0	0	-0	1	25.0	41.1	0.0	0.0	66.1	6	

14	77	-228	-0	0	0	-0	1	74.1	70.5	0.0	0.0	144.6	6
15	77	-455	-0	0	0	-0	1	147.7	41.1	0.0	0.0	188.8	6
16	77	-155	-0	0	0	-0	1	50.3	41.0	0.0	0.0	91.3	6
17	77	-73	-0	0	0	-0	1	23.7	41.2	0.0	0.0	64.9	6
1A	155	-127	-2	0	0	-0	-0	41.3	0.3	1.7	0.0	41.5	1
1E	155	-116	-2	0	0	-0	-0	37.6	0.3	1.7	0.0	37.8	1
1I	155	-124	-2	0	0	-0	0	40.1	0.3	1.7	0.0	40.4	1
1M	155	-119	-2	0	0	-0	0	38.7	0.3	1.7	0.0	39.0	1
2	155	-78	-3	0	0	-0	0	25.2	0.4	2.4	0.0	25.7	5
3	155	-250	-2	0	0	-0	0	81.1	0.3	1.5	0.0	81.4	1
4	155	-72	-2	0	0	-0	0	23.4	0.2	1.5	0.0	23.6	5
5	155	21	-2	0	0	-0	0	6.9	0.2	1.5	0.0	7.5	5
6	155	-204	-3	0	0	-0	0	66.1	0.5	2.4	0.0	66.6	1
7	155	-440	-2	0	0	-0	0	143.0	0.3	1.5	0.0	143.3	1
8	155	-159	-2	0	0	-0	0	51.5	0.3	1.5	0.0	51.8	1
9	155	-19	-2	0	0	-0	0	6.2	0.2	1.5	0.0	6.8	5
10	155	-197	-3	0	0	-0	0	64.0	0.5	2.4	0.0	64.5	1
11	155	-324	-2	0	0	-0	0	105.0	0.3	1.5	0.0	105.4	1
12	155	-136	-2	0	0	-0	0	44.0	0.3	1.5	0.0	44.3	1
13	155	-77	-2	0	0	-0	0	25.0	0.3	1.5	0.0	25.3	1
14	155	-228	-3	0	0	-0	0	74.1	0.6	2.6	0.0	74.7	1
15	155	-455	-2	0	0	-0	0	147.7	0.4	1.5	0.0	148.1	1
16	155	-155	-2	0	0	-0	0	50.3	0.3	1.5	0.0	50.6	1
17	155	-73	-2	0	0	-0	0	23.7	0.3	1.5	0.0	24.0	1

ASTA NUM. 44 NI 196 NF 197 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	108	2	0	0	-0	0	35.1	0.5	1.5	0.0	35.6	1	
1E	0	109	2	0	0	-0	0	35.4	0.5	1.5	0.0	35.9	1	
1I	0	107	2	0	0	-0	0	34.8	0.5	1.5	0.0	35.3	1	
1M	0	110	2	0	0	-0	0	35.8	0.5	1.5	0.0	36.3	1	
2	0	162	2	-0	0	-0	0	52.7	0.7	2.1	0.0	53.5	1	
3	0	99	1	0	0	-0	0	32.0	0.1	1.3	0.0	32.2	1	
4	0	100	1	-0	0	-0	0	32.6	0.4	1.3	0.0	33.0	1	
5	0	91	1	-0	0	-0	0	29.7	0.5	1.3	0.0	30.2	1	
6	0	185	2	-0	0	-0	0	60.2	0.9	2.1	0.0	61.0	1	
7	0	112	1	0	0	-0	0	36.2	0.1	1.3	0.0	36.3	5	
8	0	121	1	0	0	-0	0	39.4	0.5	1.3	0.0	39.8	1	
9	0	105	1	-0	0	-0	0	34.1	0.6	1.3	0.0	34.8	1	
10	0	186	2	-0	0	-0	0	60.4	0.7	2.1	0.0	61.1	1	
11	0	112	1	0	0	-0	0	36.5	0.1	1.3	0.0	36.6	5	
12	0	106	1	0	0	-0	0	34.4	0.4	1.3	0.0	34.7	1	
13	0	106	1	-0	0	-0	0	34.5	0.5	1.3	0.0	35.0	1	
14	0	207	2	-0	0	-0	0	67.1	0.9	2.2	0.0	68.0	1	
15	0	124	1	0	0	-0	0	40.4	0.1	1.3	0.0	40.5	5	
16	0	119	1	0	0	-0	0	38.5	0.5	1.3	0.0	39.0	1	
17	0	119	1	-0	0	-0	0	38.7	0.6	1.3	0.0	39.3	1	
1A	66	108	-0	0	0	-0	1	35.1	34.3	0.0	0.0	69.4	6	
1E	66	109	-0	0	0	-0	1	35.4	34.3	0.0	0.0	69.7	6	
1I	66	107	-0	0	0	-0	1	34.8	34.3	0.0	0.0	69.1	6	
1M	66	110	-0	0	0	-0	1	35.8	34.3	0.0	0.0	70.1	6	
2	66	162	0	-0	0	-0	1	52.7	48.1	0.0	0.0	100.8	6	
3	66	99	0	0	0	-0	0	32.0	29.9	0.0	0.0	61.9	6	
4	66	100	0	-0	0	-0	0	32.6	30.1	0.0	0.0	62.7	6	
5	66	91	0	-0	0	-0	0	29.7	30.1	0.0	0.0	59.8	6	
6	66	185	0	-0	0	-0	1	60.2	48.2	0.0	0.0	108.3	6	
7	66	112	0	0	0	-0	0	36.2	29.8	0.0	0.0	66.0	6	
8	66	121	0	0	0	-0	0	39.4	30.1	0.0	0.0	69.5	6	
9	66	105	0	-0	0	-0	0	34.1	30.1	0.0	0.0	64.2	6	
10	66	186	0	-0	0	-0	1	60.4	48.1	0.0	0.0	108.5	6	
11	66	112	0	0	0	-0	0	36.5	29.8	0.0	0.0	66.3	6	
12	66	106	0	0	0	-0	0	34.4	30.1	0.0	0.0	64.4	6	
13	66	106	0	-0	0	-0	0	34.5	30.0	0.0	0.0	64.6	6	
14	66	207	0	-0	0	-0	1	67.1	51.6	0.0	0.0	118.7	6	
15	66	124	0	0	0	-0	0	40.4	29.8	0.0	0.0	70.2	6	
16	66	119	0	0	0	-0	0	38.5	30.1	0.0	0.0	68.6	6	
17	66	119	0	-0	0	-0	0	38.7	30.1	0.0	0.0	68.8	6	
1A	133	108	-2	0	0	-0	0	35.1	0.5	1.5	0.0	35.7	1	
1E	133	109	-2	0	0	-0	0	35.4	0.5	1.5	0.0	35.9	1	
1I	133	107	-2	0	0	-0	0	34.8	0.5	1.5	0.0	35.3	1	
1M	133	110	-2	0	0	-0	0	35.8	0.5	1.5	0.0	36.3	1	
2	133	162	-2	-0	0	-0	0	52.7	0.6	2.1	0.0	53.3	1	
3	133	99	-1	0	0	-0	0	32.0	0.4	1.3	0.0	32.4	1	
4	133	100	-1	-0	0	-0	0	32.6	0.4	1.3	0.0	32.9	1	
5	133	91	-1	-0	0	-0	0	29.7	0.3	1.3	0.0	30.0	1	
6	133	185	-2	-0	0	-0	0	60.2	0.9	2.1	0.0	61.0	1	
7	133	112	-1	0	0	-0	0	36.2	0.6	1.3	0.0	36.8	1	
8	133	121	-1	0	0	-0	0	39.4	0.6	1.3	0.0	39.9	1	
9	133	105	-1	-0	0	-0	0	34.1	0.4	1.3	0.0	34.6	1	
10	133	186	-2	-0	0	-0	0	60.4	0.7	2.1	0.0	61.1	1	
11	133	112	-1	0	0	-0	0	36.5	0.5	1.3	0.0	36.9	1	
12	133	106	-1	0	0	-0	0	34.4	0.5	1.3	0.0	34.8	1	
13	133	106	-1	-0	0	-0	0	34.5	0.4	1.3	0.0	34.9	1	
14	133	207	-2	-0	0	-0	0	67.1	0.9	2.2	0.0	68.0	1	
15	133	124	-1	0	0	-0	0	40.4	0.6	1.3	0.0	41.0	1	
16	133	119	-1	0	0	-0	0	38.5	0.6	1.3	0.0	39.1	1	
17	133	119	-1	-0	0	-0	0	38.7	0.5	1.3	0.0	39.2	1	

ASTA NUM. 45 NI 201 NF 197 Lungh. 72.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-5	1	0	0	0	0	1.7	2.9	0.7	0.0	4.6	6	
1E	0	10	1	0	0	0	0	3.1	2.9	0.7	0.0	6.0	6	
1I	0	-1	1	0	0	0	0	0.3	3.2	0.7	0.0	3.4	6	
1M	0	5	1	0	0	0	0	1.7	3.2	0.7	0.0	4.8	6	
2	0	84	1	0	0	0	0	27.3	11.1	0.9	0.0	38.3	6	
3	0	-137	1	0	0	0	0	44.5	5.9	0.6	0.0	50.4	6	
4	0	30	1	0	0	0	0	9.8	6.6	0.6	0.0	16.3	6	
5	0	107	1	0	0	0	0	34.8	6.9	0.6	0.0	41.6	6	
6	0	1	1	0	0	0	0	0.4	7.1	1.0	0.0	7.5	6	
7	0	-294	1	0	0	0	0	95.5	3.0	0.7	0.0	98.5	6	
8	0	-22	1	0	0	0	0	7.1	4.1	0.6	0.0	11.1	6	
9	0	91	1	0	0	0	0	29.4	4.4	0.6	0.0	33.8	6	
10	0	-3	1	0	0	0	0	1.1	11.6	0.9	0.0	12.7	6	
11	0	-192	1	0	0	0	0	62.2	6.1	0.6	0.0	68.4	6	
12	0	-24	1	0	0	0	0	7.9	6.8	0.6	0.0	14.8	6	
13	0	31	1	0	0	0	0	10.0	7.2	0.6	0.0	17.1	6	
14	0	2	1	0	0	0	0	0.5	7.2	1.1	0.0	7.7	6	
15	0	-294	1	0	0	0	0	95.5	3.1	0.6	0.0	98.6	6	
16	0	-22	1	0	0	0	0	7.0	4.1	0.6	0.0	11.1	6	
17	0	55	1	0	0	0	0	17.9	4.5	0.6	0.0	22.4	6	
1A	36	-5	-0	0	0	-0	0	1.7	11.6	0.1	0.0	13.3	6	
1E	36	10	-0	0	0	-0	0	3.1	11.6	0.1	0.0	14.7	6	
1I	36	-1	-0	0	0	-0	0	0.3	11.7	0.1	0.0	12.0	6	
1M	36	5	-0	0	0	-0	0	1.7	11.7	0.1	0.0	13.4	6	
2	36	84	-0	0	0	-0	0	27.3	19.6	0.2	0.0	46.9	6	
3	36	-137	-0	0	0	-0	0	44.5	12.0	0.1	0.0	56.5	6	
4	36	30	-0	0	0	-0	0	9.8	12.1	0.1	0.0	21.8	6	
5	36	107	-0	0	0	-0	0	34.8	12.2	0.1	0.0	47.0	6	
6	36	1	-0	0	0	-0	0	0.4	17.6	0.2	0.0	18.0	6	
7	36	-294	-0	0	0	-0	0	95.5	10.6	0.1	0.0	106.1	6	
8	36	-22	-0	0	0	-0	0	7.1	10.8	0.1	0.0	17.9	6	
9	36	91	-0	0	0	-0	0	29.4	10.9	0.1	0.0	40.3	6	
10	36	-3	-0	0	0	-0	0	1.1	19.9	0.2	0.0	21.0	6	
11	36	-192	-0	0	0	-0	0	62.2	12.1	0.1	0.0	74.4	6	
12	36	-24	-0	0	0	-0	0	7.9	12.2	0.1	0.0	20.1	6	
13	36	31	-0	0	0	-0	0	10.0	12.4	0.1	0.0	22.3	6	
14	36	2	-0	0	0	-0	0	0.5	18.7	0.2	0.0	19.1	6	
15	36	-294	-0	0	0	-0	0	95.5	10.6	0.1	0.0	106.1	6	
16	36	-22	-0	0	0	-0	0	7.0	10.8	0.1	0.0	17.8	6	
17	36	55	-0	0	0	-0	0	17.9	11.0	0.1	0.0	28.9	6	
1A	73	-5	-1	0	0	-0	-0	1.7	1.4	0.9	0.0	3.0	1	
1E	73	10	-1	0	0	-0	-0	3.1	1.4	0.9	0.0	4.4	1	
1I	73	-1	-1	0	0	-0	-0	0.3	1.3	0.9	0.0	1.7	5	
1M	73	5	-1	0	0	-0	-0	1.7	1.3	0.9	0.0	3.0	1	
2	73	84	-1	0	0	-0	-0	27.3	1.6	1.4	0.0	28.8	1	
3	73	-137	-1	0	0	-0	0	44.5	0.8	0.8	0.0	45.3	1	
4	73	30	-1	0	0	-0	0	9.8	0.8	0.9	0.0	10.6	1	
5	73	107	-1	0	0	-0	0	34.8	0.7	0.9	0.0	35.4	1	
6	73	1	-1	0	0	-0	-0	0.4	2.3	1.3	0.0	2.7	1	
7	73	-294	-1	0	0	-0	0	95.5	1.1	0.8	0.0	96.6	1	
8	73	-22	-1	0	0	-0	-0	7.1	1.5	0.8	0.0	8.5	1	
9	73	91	-1	0	0	-0	-0	29.4	1.2	0.8	0.0	30.6	1	
10	73	-3	-1	0	0	-0	-0	1.1	1.8	1.4	0.0	2.9	4	
11	73	-192	-1	0	0	-0	0	62.2	0.9	0.8	0.0	63.1	1	
12	73	-24	-1	0	0	-0	-0	7.9	1.2	0.9	0.0	9.1	1	
13	73	31	-1	0	0	-0	0	10.0	0.8	0.9	0.0	10.8	1	
14	73	2	-1	0	0	-0	-0	0.5	2.4	1.4	0.0	2.8	1	
15	73	-294	-1	0	0	-0	0	95.5	1.2	0.8	0.0	96.7	1	
16	73	-22	-1	0	0	-0	-0	7.0	1.6	0.8	0.0	8.6	1	
17	73	55	-1	0	0	-0	-0	17.9	1.3	0.8	0.0	19.3	1	

ASTA NUM. 46 NI 196 NF 201 Lungh. 72.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-5	1	-0	0	-0	0	1.7	1.0	0.9	0.0	2.7	1	
1E	0	9	1	-0	0	-0	0	3.0	1.0	0.9	0.0	4.0	1	
1I	0	-1	1	-0	0	-0	0	0.3	1.0	0.9	0.0	1.7	5	
1M	0	5	1	-0	0	-0	0	1.6	1.0	0.9	0.0	2.6	1	
2	0	-91	1	-0	0	-0	-0	29.6	1.8	1.4	0.0	31.4	1	
3	0	133	1	-0	0	-0	0	43.1	0.4	0.8	0.0	43.5	1	
4	0	-35	1	-0	0	-0	0	11.2	0.9	0.9	0.0	12.1	1	
5	0	-112	1	-0	0	-0	0	36.3	1.0	0.9	0.0	37.3	1	
6	0	1	1	-0	0	-0	-0	0.3	2.2	1.3	0.0	2.5	1	
7	0	296	1	-0	0	-0	0	96.1	0.3	0.8	0.0	96.4	1	
8	0	23	1	-0	0	-0	-0	7.5	1.3	0.8	0.0	8.9	1	
9	0	-89	1	-0	0	-0	-0	29.0	1.6	0.8	0.0	30.5	1	
10	0	-4	1	-0	0	-0	-0	1.3	1.8	1.4	0.0	3.1	1	
11	0	187	1	-0	0	-0	0	60.8	0.4	0.8	0.0	61.2	1	
12	0	20	1	-0	0	-0	0	6.4	0.8	0.9	0.0	7.3	1	
13	0	-35	1	-0	0	-0	0	11.5	1.0	0.9	0.0	12.4	1	
14	0	1	1	-0	0	-0	-0	0.3	2.3	1.4	0.0	2.7	1	
15	0	296	1	-0	0	-0	0	96.1	0.3	0.8	0.0	96.4	1	
16	0	23	1	-0	0	-0	0	7.5	1.1	0.8	0.0	8.5	1	
17	0	-54	1	-0	0	-0	-0	17.5	1.5	0.8	0.0	19.1	1	
1A	36	-5	0	-0	0	-0	0	1.7	11.5	0.1	0.0	13.3	6	
1E	36	9	0	-0	0	-0	0	3.0	11.5	0.1	0.0	14.5	6	
1I	36	-1	0	-0	0	-0	0	0.3	11.4	0.1	0.0	11.8	6	
1M	36	5	0	-0	0	-0	0	1.6	11.4	0.1	0.0	13.0	6	
2	36	-91	0	-0	0	-0	0	29.6	20.0	0.2	0.0	49.7	6	
3	36	133	0	-0	0	-0	0	43.1	12.1	0.1	0.0	55.3	6	
4	36	-35	0	-0	0	-0	0	11.2	12.4	0.1	0.0	23.7	6	
5	36	-112	0	-0	0	-0	0	36.3	12.5	0.1	0.0	48.8	6	
6	36	1	0	-0	0	-0	0	0.3	17.7	0.2	0.0	17.9	6	
7	36	296	0	-0	0	-0	0	96.1	10.5	0.1	0.0	106.6	6	
8	36	23	0	-0	0	-0	0	7.5	11.0	0.1	0.0	18.5	6	
9	36	-89	0	-0	0	-0	0	29.0	11.1	0.1	0.0	40.1	6	
10	36	-4	0	-0	0	-0	0	1.3	20.2	0.2	0.0	21.5	6	
11	36	187	0	-0	0	-0	0	60.8	12.2	0.1	0.0	73.0	6	
12	36	20	0	-0	0	-0	0	6.4	12.6	0.1	0.0	19.1	6	
13	36	-35	0	-0	0	-0	0	11.5	12.6	0.2	0.0	24.0	6	
14	36	1	0	-0	0	-0	0	0.3	18.8	0.2	0.0	19.1	6	
15	36	296	0	-0	0	-0	0	96.1	10.5	0.1	0.0	106.6	6	
16	36	23	0	-0	0	-0	0	7.5	11.1	0.1	0.0	18.6	6	
17	36	-54	0	-0	0	-0	0	17.5	11.1	0.1	0.0	28.6	6	
1A	73	-5	-1	-0	0	0	0	1.7	2.8	0.7	0.0	4.6	6	
1E	73	9	-1	-0	0	0	0	3.0	2.8	0.7	0.0	5.8	6	
1I	73	-1	-1	-0	0	0	0	0.3	2.6	0.8	0.0	2.9	6	
1M	73	5	-1	-0	0	0	0	1.6	2.6	0.8	0.0	4.2	6	
2	73	-91	-1	-0	0	-0	0	29.6	11.3	0.9	0.0	40.9	6	
3	73	133	-1	-0	0	-0	0	43.1	6.0	0.6	0.0	49.2	6	
4	73	-35	-1	-0	0	-0	0	11.2	6.9	0.6	0.0	18.1	6	
5	73	-112	-1	-0	0	-0	0	36.3	7.0	0.6	0.0	43.3	6	
6	73	1	-1	-0	0	0	0	0.3	7.2	1.0	0.0	7.5	6	
7	73	296	-1	-0	0	0	0	96.1	3.1	0.6	0.0	99.2	6	
8	73	23	-1	-0	0	0	0	7.5	4.3	0.6	0.0	11.8	6	
9	73	-89	-1	-0	0	0	0	29.0	4.5	0.6	0.0	33.4	6	
10	73	-4	-1	-0	0	-0	0	1.3	11.7	0.9	0.0	13.0	6	
11	73	187	-1	-0	0	0	0	60.8	6.3	0.6	0.0	67.1	6	
12	73	20	-1	-0	0	0	0	6.4	7.2	0.6	0.0	13.6	6	
13	73	-35	-1	-0	0	-0	0	11.5	7.2	0.6	0.0	18.7	6	
14	73	1	-1	-0	0	0	0	0.3	7.3	1.1	0.0	7.6	6	
15	73	296	-1	-0	0	0	0	96.1	3.2	0.6	0.0	99.3	6	
16	73	23	-1	-0	0	0	0	7.5	4.6	0.6	0.0	12.0	6	
17	73	-54	-1	-0	0	0	0	17.5	4.5	0.6	0.0	22.0	6	

ASTA NUM. 47 NI 195 NF 181 Lungh. 168.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-179	2	-0	0	-0	0	58.1	0.4	1.9	0.0	58.5	1	
1E	0	-174	2	-0	0	-0	0	56.4	0.4	1.9	0.0	56.8	1	
1I	0	-178	2	-0	0	-0	0	57.6	0.4	1.9	0.0	58.1	1	
1M	0	-175	2	-0	0	-0	0	56.8	0.4	1.9	0.0	57.3	1	
2	0	-124	3	-0	0	-0	0	40.4	0.6	2.6	0.0	41.0	1	
3	0	-269	2	-0	0	-0	0	87.2	0.3	1.6	0.0	87.6	1	
4	0	-80	2	-0	0	-0	0	26.1	0.3	1.6	0.0	26.4	1	
5	0	-15	2	-0	0	-0	0	5.0	0.4	1.6	0.0	5.9	5	
6	0	-287	3	-0	0	-0	0	93.2	0.7	2.6	0.0	94.0	1	
7	0	-482	2	-0	0	-0	0	156.4	0.4	1.6	0.0	156.7	1	
8	0	-173	2	-0	0	-0	0	56.1	0.4	1.6	0.0	56.5	1	
9	0	-82	2	-0	0	-0	0	26.6	0.5	1.6	0.0	27.1	1	
10	0	-227	3	-0	0	-0	0	73.6	0.6	2.6	0.0	74.2	1	
11	0	-332	2	-0	0	-0	0	107.9	0.3	1.6	0.0	108.2	1	
12	0	-156	2	-0	0	-0	0	50.7	0.3	1.6	0.0	51.0	1	
13	0	-97	2	-0	0	-0	0	31.4	0.4	1.6	0.0	31.8	1	
14	0	-261	3	-0	0	-0	0	84.7	0.7	2.8	0.0	85.4	1	
15	0	-465	2	-0	0	-0	0	150.8	0.3	1.6	0.0	151.1	1	
16	0	-177	2	-0	0	-0	0	57.6	0.3	1.6	0.0	57.9	1	
17	0	-92	2	-0	0	-0	0	30.0	0.4	1.6	0.0	30.4	1	
1A	84	-179	-0	-0	0	0	1	58.1	55.0	0.0	0.0	113.0	6	
1E	84	-174	-0	-0	0	0	1	56.4	55.0	0.0	0.0	111.4	6	
1I	84	-178	-0	-0	0	0	1	57.6	55.0	0.0	0.0	112.6	6	
1M	84	-175	-0	-0	0	0	1	56.8	55.0	0.0	0.0	111.8	6	
2	84	-124	-0	-0	0	0	1	40.4	76.9	0.0	0.0	117.3	6	
3	84	-269	-0	-0	0	0	1	87.2	48.2	0.0	0.0	135.4	6	
4	84	-80	-0	-0	0	0	1	26.1	47.6	0.0	0.0	73.7	6	
5	84	-15	-0	-0	0	0	1	5.0	48.1	0.0	0.0	53.1	6	
6	84	-287	-0	-0	0	0	1	93.2	76.9	0.0	0.0	170.2	6	
7	84	-482	-0	-0	0	0	1	156.4	48.3	0.0	0.0	204.6	6	
8	84	-173	-0	-0	0	0	1	56.1	47.6	0.0	0.0	103.7	6	
9	84	-82	-0	-0	0	0	1	26.6	48.2	0.0	0.0	74.8	6	
10	84	-227	-0	-0	0	0	1	73.6	76.9	0.0	0.0	150.4	6	
11	84	-332	-0	-0	0	0	1	107.9	48.1	0.0	0.0	156.0	6	
12	84	-156	-0	-0	0	0	1	50.7	47.6	0.0	0.0	98.4	6	
13	84	-97	-0	-0	0	0	1	31.4	48.1	0.0	0.0	79.6	6	
14	84	-261	-0	-0	0	0	1	84.7	82.4	0.0	0.0	167.1	6	
15	84	-465	-0	-0	0	0	1	150.8	48.2	0.0	0.0	199.0	6	
16	84	-177	-0	-0	0	0	1	57.6	47.5	0.0	0.0	105.1	6	
17	84	-92	-0	-0	0	0	1	30.0	48.1	0.0	0.0	78.1	6	
1A	169	-179	-2	-0	0	0	-0	58.1	1.3	1.9	0.0	59.3	6	
1E	169	-174	-2	-0	0	0	-0	56.4	1.3	1.9	0.0	57.7	6	
1I	169	-178	-2	-0	0	0	-0	57.6	1.3	1.9	0.0	58.9	6	
1M	169	-175	-2	-0	0	0	-0	56.8	1.3	1.9	0.0	58.1	6	
2	169	-124	-3	-0	0	0	-0	40.4	1.9	2.7	0.0	42.3	6	
3	169	-269	-2	-0	0	0	-0	87.2	1.2	1.7	0.0	88.4	6	
4	169	-80	-2	-0	0	0	-0	26.1	2.2	1.7	0.0	28.3	6	
5	169	-15	-2	-0	0	0	-0	5.0	1.1	1.7	0.0	6.1	6	
6	169	-287	-3	-0	0	0	-0	93.2	1.8	2.7	0.0	95.1	6	
7	169	-482	-2	-0	0	0	-0	156.4	1.1	1.7	0.0	157.5	6	
8	169	-173	-2	-0	0	0	-0	56.1	2.4	1.7	0.0	58.5	6	
9	169	-82	-2	-0	0	0	-0	26.6	1.0	1.7	0.0	27.6	6	
10	169	-227	-3	-0	0	0	-0	73.6	1.9	2.7	0.0	75.5	6	
11	169	-332	-2	-0	0	0	-0	107.9	1.2	1.7	0.0	109.0	6	
12	169	-156	-2	-0	0	0	-0	50.7	2.3	1.7	0.0	53.1	6	
13	169	-97	-2	-0	0	0	-0	31.4	1.0	1.7	0.0	32.5	6	
14	169	-261	-3	-0	0	0	-0	84.7	2.1	2.9	0.0	86.8	6	
15	169	-465	-2	-0	0	0	-0	150.8	1.2	1.7	0.0	152.0	6	
16	169	-177	-2	-0	0	0	-0	57.6	2.7	1.7	0.0	60.3	6	
17	169	-92	-2	-0	0	0	-0	30.0	1.1	1.7	0.0	31.0	6	

ASTA NUM. 48 NI 193 NF 182 Lungh. 168.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-179	2	0	0	0	0	58.0	0.5	1.9	0.0	58.5	1	
1E	0	-174	2	0	0	0	0	56.4	0.5	1.9	0.0	56.8	1	
1I	0	-177	2	0	0	0	0	57.6	0.5	1.9	0.0	58.0	1	
1M	0	-175	2	0	0	0	0	56.8	0.5	1.9	0.0	57.2	1	
2	0	-326	3	0	0	0	0	105.9	0.6	2.6	0.0	106.5	1	
3	0	47	2	0	0	0	0	15.1	0.4	1.7	0.0	15.6	1	
4	0	-152	2	0	0	0	0	49.3	0.4	1.7	0.0	49.7	1	
5	0	-268	2	0	0	0	0	87.0	0.3	1.6	0.0	87.3	1	
6	0	-287	3	0	0	0	0	93.1	0.7	2.6	0.0	93.9	1	
7	0	205	2	0	0	0	0	66.7	0.6	1.7	0.0	67.2	1	
8	0	-117	2	0	0	0	0	38.0	0.5	1.7	0.0	38.5	1	
9	0	-290	2	0	0	0	0	94.1	0.4	1.6	0.0	94.5	1	
10	0	-226	3	0	0	0	0	73.4	0.6	2.6	0.0	74.0	1	
11	0	110	2	0	0	0	0	35.6	0.4	1.6	0.0	36.0	1	
12	0	-101	2	0	0	0	0	32.9	0.4	1.7	0.0	33.3	1	
13	0	-173	2	0	0	0	0	56.0	0.3	1.6	0.0	56.3	1	
14	0	-261	3	0	0	0	0	84.6	0.7	2.8	0.0	85.3	1	
15	0	222	2	0	0	0	0	72.2	0.5	1.7	0.0	72.7	1	
16	0	-121	2	0	0	0	0	39.4	0.5	1.7	0.0	39.8	1	

17	0	-218	2	0	0	0	0	70.9	0.4	1.6	0.0	71.3	1
1A	84	-179	-0	0	0	-0	1	58.0	55.1	0.0	0.0	113.1	6
1E	84	-174	-0	0	0	-0	1	56.4	55.1	0.0	0.0	111.4	6
1I	84	-177	-0	0	0	-0	1	57.6	55.1	0.0	0.0	112.7	6
1M	84	-175	-0	0	0	-0	1	56.8	55.1	0.0	0.0	111.9	6
2	84	-326	-0	0	0	-0	1	105.9	77.1	0.0	0.0	183.1	6
3	84	47	-0	0	0	-0	1	15.1	48.0	0.0	0.0	63.2	6
4	84	-152	0	0	0	-0	1	49.3	48.6	0.0	0.0	98.0	6
5	84	-268	-0	0	0	-0	1	87.0	48.1	0.0	0.0	135.2	6
6	84	-287	-0	0	0	-0	1	93.1	77.1	0.0	0.0	170.3	6
7	84	205	-0	0	0	-0	1	66.7	48.0	0.0	0.0	114.6	6
8	84	-117	0	0	0	-0	1	38.0	48.7	0.0	0.0	86.7	6
9	84	-290	-0	0	0	-0	1	94.1	48.1	0.0	0.0	142.2	6
10	84	-226	-0	0	0	-0	1	73.4	77.1	0.0	0.0	150.5	6
11	84	110	-0	0	0	-0	1	35.6	48.0	0.0	0.0	83.6	6
12	84	-101	0	0	0	-0	1	32.9	48.7	0.0	0.0	81.5	6
13	84	-173	-0	0	0	-0	1	56.0	48.1	0.0	0.0	104.1	6
14	84	-261	-0	0	0	-0	1	84.6	82.5	0.0	0.0	167.1	6
15	84	222	-0	0	0	-0	1	72.2	47.9	0.0	0.0	120.1	6
16	84	-121	0	0	0	-0	1	39.4	48.7	0.0	0.0	88.1	6
17	84	-218	-0	0	0	-0	1	70.9	48.0	0.0	0.0	119.0	6
1A	169	-179	-2	0	0	-0	-0	58.0	0.7	1.9	0.0	58.7	1
1E	169	-174	-2	0	0	-0	-0	56.4	0.7	1.9	0.0	57.0	1
1I	169	-177	-2	0	0	-0	-0	57.6	0.7	1.9	0.0	58.2	1
1M	169	-175	-2	0	0	-0	-0	56.8	0.7	1.9	0.0	57.4	1
2	169	-326	-3	0	0	-0	-0	105.9	1.2	2.7	0.0	107.1	1
3	169	47	-2	0	0	-0	0	15.1	0.6	1.7	0.0	15.7	1
4	169	-152	-2	0	0	-0	0	49.3	0.5	1.6	0.0	49.8	1
5	169	-268	-2	0	0	-0	0	87.0	0.5	1.7	0.0	87.5	1
6	169	-287	-3	0	0	-0	-0	93.1	1.4	2.7	0.0	94.6	1
7	169	205	-2	0	0	-0	0	66.7	0.7	1.7	0.0	67.4	1
8	169	-117	-2	0	0	-0	0	38.0	0.9	1.6	0.0	39.0	6
9	169	-290	-2	0	0	-0	0	94.1	0.6	1.7	0.0	94.7	1
10	169	-226	-3	0	0	-0	-0	73.4	1.4	2.7	0.0	74.8	6
11	169	110	-2	0	0	-0	-0	35.6	0.9	1.7	0.0	36.5	6
12	169	-101	-2	0	0	-0	0	32.9	0.9	1.6	0.0	33.8	6
13	169	-173	-2	0	0	-0	-0	56.0	0.9	1.7	0.0	56.9	6
14	169	-261	-3	0	0	-0	-0	84.6	1.6	2.8	0.0	86.2	6
15	169	222	-2	0	0	-0	-0	72.2	1.0	1.7	0.0	73.2	6
16	169	-121	-2	0	0	-0	0	39.4	1.2	1.6	0.0	40.6	6
17	169	-218	-2	0	0	-0	-0	70.9	1.0	1.7	0.0	71.9	6

ASTA NUM. 49 NI 194 NF 193 Lungh. 154.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	158	2	-0	0	-0	-0	51.4	1.4	1.7	0.0	52.7	6	
1E	0	170	2	-0	0	-0	-0	55.1	1.4	1.7	0.0	56.5	6	
1I	0	162	2	-0	0	-0	-0	52.6	1.4	1.7	0.0	53.9	6	
1M	0	166	2	-0	0	-0	-0	53.9	1.4	1.7	0.0	55.3	6	
2	0	303	3	-0	0	-0	-0	98.2	1.7	2.4	0.0	100.0	6	
3	0	-41	2	-0	0	0	-0	13.4	0.9	1.5	0.0	14.2	6	
4	0	141	2	-0	0	-0	-0	45.8	0.9	1.5	0.0	46.7	6	
5	0	248	2	-0	0	-0	-0	80.5	1.0	1.5	0.0	81.5	6	
6	0	267	3	-0	0	-0	-0	86.8	2.2	2.4	0.0	88.9	6	
7	0	-187	2	-0	0	0	-0	60.6	1.1	1.5	0.0	61.6	6	
8	0	110	2	-0	0	-0	-0	35.6	1.2	1.5	0.0	36.8	6	
9	0	268	2	-0	0	-0	-0	87.1	1.3	1.5	0.0	88.4	6	
10	0	211	3	-0	0	-0	-0	68.4	1.8	2.4	0.0	70.2	6	
11	0	-99	2	-0	0	0	-0	32.1	0.9	1.5	0.0	33.0	6	
12	0	95	2	-0	0	0	-0	30.7	0.8	1.5	0.0	31.5	6	
13	0	160	2	-0	0	-0	-0	52.0	1.0	1.5	0.0	53.0	6	
14	0	243	3	-0	0	-0	-0	78.8	2.1	2.6	0.0	80.9	6	
15	0	-202	2	0	0	0	-0	65.7	1.1	1.5	0.0	66.8	6	
16	0	113	2	-0	0	0	-0	36.7	1.0	1.5	0.0	37.7	6	
17	0	203	2	-0	0	-0	-0	65.8	1.2	1.5	0.0	67.0	6	
1A	77	158	0	-0	0	0	1	51.4	45.9	0.0	0.0	97.3	6	
1E	77	170	0	-0	0	0	1	55.1	45.9	0.0	0.0	101.0	6	
1I	77	162	0	-0	0	0	1	52.6	45.9	0.0	0.0	98.4	6	
1M	77	166	0	-0	0	0	1	53.9	45.9	0.0	0.0	99.8	6	
2	77	303	0	-0	0	0	1	98.2	64.3	0.0	0.0	162.5	6	
3	77	-41	0	-0	0	0	1	13.4	40.4	0.0	0.0	53.7	6	
4	77	141	0	-0	0	0	1	45.8	40.2	0.0	0.0	86.0	6	
5	77	248	0	-0	0	0	1	80.5	40.3	0.0	0.0	120.8	6	
6	77	267	0	-0	0	0	1	86.8	64.1	0.0	0.0	150.8	6	
7	77	-187	0	-0	0	0	1	60.6	40.4	0.0	0.0	100.9	6	
8	77	110	0	-0	0	0	1	35.6	40.0	0.0	0.0	75.6	6	
9	77	268	0	-0	0	0	1	87.1	40.1	0.0	0.0	127.3	6	
10	77	211	0	-0	0	0	1	68.4	64.3	0.0	0.0	132.6	6	
11	77	-99	0	-0	0	0	1	32.1	40.4	0.0	0.0	72.5	6	
12	77	95	0	-0	0	0	1	30.7	40.3	0.0	0.0	70.9	6	
13	77	160	0	-0	0	0	1	52.0	40.2	0.0	0.0	92.2	6	
14	77	243	0	-0	0	0	1	78.8	68.8	0.0	0.0	147.6	6	
15	77	-202	0	0	0	0	1	65.7	40.4	0.0	0.0	106.1	6	
16	77	113	0	-0	0	0	1	36.7	40.2	0.0	0.0	76.9	6	
17	77	203	0	-0	0	0	1	65.8	40.2	0.0	0.0	105.9	6	
1A	155	158	-2	-0	0	0	-0	51.4	0.3	1.7	0.0	51.7	1	
1E	155	170	-2	-0	0	0	-0	55.1	0.3	1.7	0.0	55.4	1	
1I	155	162	-2	-0	0	0	0	52.6	0.3	1.7	0.0	52.9	1	
1M	155	166	-2	-0	0	0	0	53.9	0.3	1.7	0.0	54.3	1	
2	155	303	-3	-0	0	0	0	98.2	0.5	2.4	0.0	98.7	1	
3	155	-41	-2	-0	0	0	0	13.4	0.2	1.5	0.0	13.7	5	
4	155	141	-2	-0	0	0	0	45.8	0.3	1.5	0.0	46.1	1	
5	155	248	-2	-0	0	0	0	80.5	0.3	1.5	0.0	80.8	1	
6	155	267	-3	-0	0	0	0	86.8	0.5	2.4	0.0	87.3	1	
7	155	-187	-2	-0	0	0	0	60.6	0.2	1.5	0.0	60.8	1	
8	155	110	-2	-0	0	0	0	35.6	0.3	1.5	0.0	35.9	1	
9	155	268	-2	-0	0	0	0	87.1	0.3	1.5	0.0	87.5	1	
10	155	211	-3	-0	0	0	0	68.4	0.4	2.4	0.0	68.8	1	
11	155	-99	-2	-0	0	0	0	32.1	0.2	1.5	0.0	32.3	5	
12	155	95	-2	-0	0	0	0	30.7	0.2	1.5	0.0	30.9	1	
13	155	160	-2	-0	0	0	0	52.0	0.2	1.5	0.0	52.2	1	
14	155	243	-3	-0	0	0	0	78.8	0.4	2.6	0.0	79.2	1	
15	155	-202	-2	0	0	0	0	65.7	0.2	1.5	0.0	65.9	1	
16	155	113	-2	-0	0	0	0	36.7	0.2	1.5	0.0	37.0	1	
17	155	203	-2	-0	0	0	0	65.8	0.3	1.5	0.0	66.0	1	

ASTA NUM. 50 NI 192 NF 195 Lungh. 154.9 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	159	2	0	0	0	-0	51.5	1.5	1.7	0.0	53.0	6	
1E	0	170	2	0	0	0	-0	55.2	1.5	1.7	0.0	56.7	6	
1I	0	162	2	0	0	0	-0	52.6	1.5	1.7	0.0	54.1	6	
1M	0	166	2	0	0	0	-0	54.0	1.5	1.7	0.0	55.5	6	
2	0	117	3	0	0	0	-0	38.1	2.0	2.4	0.0	40.0	6	
3	0	249	2	0	0	0	-0	80.8	1.4	1.5	0.0	82.2	6	
4	0	76	2	0	0	0	-0	24.6	1.3	1.5	0.0	25.9	6	
5	0	16	2	0	0	-0	-0	5.1	1.2	1.5	0.0	6.3	6	
6	0	268	3	0	0	0	-0	86.9	2.3	2.4	0.0	89.2	6	
7	0	445	2	0	0	0	-0	144.5	1.7	1.5	0.0	146.2	6	
8	0	161	2	0	0	0	-0	52.3	1.5	1.5	0.0	53.8	6	
9	0	77	2	0	0	-0	-0	25.1	1.5	1.5	0.0	26.6	6	
10	0	211	3	0	0	0	-0	68.5	1.9	2.4	0.0	70.4	6	
11	0	307	2	0	0	0	-0	99.7	1.4	1.5	0.0	101.1	6	
12	0	145	2	0	0	0	-0	47.2	1.4	1.5	0.0	48.6	6	
13	0	90	2	0	0	-0	-0	29.4	1.2	1.5	0.0	30.5	6	
14	0	243	3	0	0	0	-0	78.9	2.3	2.6	0.0	81.2	6	
15	0	429	2	0	0	0	-0	139.3	1.7	1.5	0.0	141.0	6	
16	0	165	2	0	0	0	-0	53.6	1.6	1.5	0.0	55.2	6	
17	0	87	2	0	0	-0	-0	28.2	1.4	1.5	0.0	29.6	6	
1A	77	159	0	0	0	-0	1	51.5	45.8	0.0	0.0	97.3	6	
1E	77	170	0	0	0	-0	1	55.2	45.8	0.0	0.0	101.0	6	
1I	77	162	0	0	0	-0	1	52.6	45.8	0.0	0.0	98.5	6	
1M	77	166	0	0	0	-0	1	54.0	45.8	0.0	0.0	99.9	6	
2	77	117	0	0	0	-0	1	38.1	64.2	0.0	0.0	102.2	6	
3	77	249	0	0	0	-0	1	80.8	40.0	0.0	0.0	120.7	6	
4	77	76	0	0	0	-0	1	24.6	40.2	0.0	0.0	64.7	6	
5	77	16	0	0	0	-0	1	5.1	40.1	0.0	0.0	45.2	6	
6	77	268	0	0	0	-0	1	86.9	64.0	0.0	0.0	150.9	6	
7	77	445	0	0	0	-0	1	144.5	39.8	0.0	0.0	184.2	6	
8	77	161	0	0	0	-0	1	52.3	40.1	0.0	0.0	92.5	6	
9	77	77	0	0	0	-0	1	25.1	40.0	0.0	0.0	65.1	6	
10	77	211	0	0	0	-0	1	68.5	64.2	0.0	0.0	132.7	6	
11	77	307	0	0	0	-0	1	99.7	40.0	0.0	0.0	139.7	6	
12	77	145	0	0	0	-0	1	47.2	40.1	0.0	0.0	87.3	6	
13	77	90	0	0	0	-0	1	29.4	40.1	0.0	0.0	69.5	6	
14	77	243	0	0	0	-0	1	78.9	68.7	0.0	0.0	147.6	6	
15	77	429	0	0	0	-0	1	139.3	39.8	0.0	0.0	179.1	6	
16	77	165	0	0	0	-0	1	53.6	40.0	0.0	0.0	93.6	6	
17	77	87	0	0	0	-0	1	28.2	40.0	0.0	0.0	68.2	6	
1A	155	159	-2	0	0	-0	-0	51.5	0.3	1.7	0.0	51.8	1	
1E	155	170	-2	0	0	-0	-0	55.2	0.3	1.7	0.0	55.5	1	
1I	155	162	-2	0	0	-0	0	52.6	0.3	1.7	0.0	53.0	1	
1M	155	166	-2	0	0	-0	0	54.0	0.3	1.7	0.0	54.4	1	
2	155	117	-3	0	0	-0	0	38.1	0.4	2.4	0.0	38.4	1	

3	155	249	-2	0	0	-0	0	80.8	0.3	1.5	0.0	81.1	1
4	155	76	-2	0	0	-0	0	24.6	0.2	1.5	0.0	24.8	5
5	155	16	-2	0	0	-0	0	5.1	0.2	1.5	0.0	5.8	5
6	155	268	-3	0	0	-0	0	86.9	0.5	2.4	0.0	87.4	1
7	155	445	-2	0	0	-0	0	144.5	0.4	1.5	0.0	144.9	1
8	155	161	-2	0	0	-0	0	52.3	0.3	1.5	0.0	52.6	1
9	155	77	-2	0	0	-0	0	25.1	0.3	1.5	0.0	25.4	1
10	155	211	-3	0	0	-0	0	68.5	0.4	2.4	0.0	68.9	1
11	155	307	-2	0	0	-0	0	99.7	0.3	1.5	0.0	100.0	1
12	155	145	-2	0	0	-0	0	47.2	0.2	1.5	0.0	47.4	1
13	155	90	-2	0	0	-0	0	29.4	0.2	1.5	0.0	29.6	1
14	155	243	-3	0	0	-0	0	78.9	0.5	2.6	0.0	79.4	1
15	155	429	-2	0	0	-0	0	139.3	0.4	1.5	0.0	139.7	1
16	155	165	-2	0	0	-0	0	53.6	0.3	1.5	0.0	53.8	1
17	155	87	-2	0	0	-0	0	28.2	0.3	1.5	0.0	28.4	1

ASTA NUM. 51 NI 192 NF 194 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-150	2	0	0	-0	0	48.6	0.5	1.5	0.0	49.1	1	
1E	0	-149	2	0	0	-0	0	48.3	0.5	1.5	0.0	48.8	1	
1I	0	-151	2	0	0	-0	0	48.9	0.5	1.5	0.0	49.4	1	
1M	0	-148	2	0	0	-0	0	47.9	0.5	1.5	0.0	48.5	1	
2	0	-201	2	-0	0	-0	0	65.3	0.8	2.1	0.0	66.1	1	
3	0	-102	1	0	0	-0	0	33.2	0.3	1.3	0.0	33.5	1	
4	0	-106	1	-0	0	-0	0	34.4	0.5	1.3	0.0	34.9	1	
5	0	-126	1	-0	0	-0	0	40.9	0.5	1.3	0.0	41.4	1	
6	0	-245	2	0	0	-0	0	79.7	0.9	2.1	0.0	80.6	1	
7	0	-121	1	0	0	-0	0	39.3	0.3	1.3	0.0	39.5	1	
8	0	-126	1	0	0	-0	0	40.9	0.6	1.3	0.0	41.5	1	
9	0	-158	1	-0	0	-0	0	51.3	0.7	1.3	0.0	51.9	1	
10	0	-202	2	0	0	-0	0	65.6	0.7	2.1	0.0	66.3	1	
11	0	-102	1	0	0	-0	0	33.2	0.3	1.3	0.0	33.5	1	
12	0	-116	1	0	0	-0	0	37.6	0.4	1.3	0.0	38.0	1	
13	0	-120	1	-0	0	-0	0	39.1	0.5	1.3	0.0	39.5	1	
14	0	-224	2	0	0	-0	0	72.7	0.9	2.2	0.0	73.6	1	
15	0	-107	1	0	0	-0	0	34.7	0.3	1.3	0.0	34.9	1	
16	0	-129	1	0	0	-0	0	41.8	0.5	1.3	0.0	42.3	1	
17	0	-133	1	-0	0	-0	0	43.3	0.6	1.3	0.0	43.9	1	
1A	66	-150	-0	0	0	-0	1	48.6	34.1	0.0	0.0	82.7	6	
1E	66	-149	-0	0	0	-0	1	48.3	34.1	0.0	0.0	82.4	6	
1I	66	-151	-0	0	0	-0	1	48.9	34.1	0.0	0.0	83.0	6	
1M	66	-148	-0	0	0	-0	1	47.9	34.1	0.0	0.0	82.0	6	
2	66	-201	0	-0	0	-0	1	65.3	47.6	0.0	0.0	113.0	6	
3	66	-102	0	0	0	-0	0	33.2	29.7	0.0	0.0	63.0	6	
4	66	-106	0	-0	0	-0	0	34.4	29.7	0.0	0.0	64.1	6	
5	66	-126	0	-0	0	-0	0	40.9	29.7	0.0	0.0	70.7	6	
6	66	-245	0	0	0	-0	1	79.7	47.7	0.0	0.0	127.4	6	
7	66	-121	0	0	0	-0	0	39.3	29.8	0.0	0.0	69.0	6	
8	66	-126	0	0	0	-0	0	40.9	29.8	0.0	0.0	70.7	6	
9	66	-158	0	-0	0	-0	0	51.3	29.8	0.0	0.0	81.1	6	
10	66	-202	0	0	0	-0	1	65.6	47.6	0.0	0.0	113.2	6	
11	66	-102	0	0	0	-0	0	33.2	29.7	0.0	0.0	63.0	6	
12	66	-116	0	0	0	-0	0	37.6	29.7	0.0	0.0	67.3	6	
13	66	-120	0	-0	0	-0	0	39.1	29.7	0.0	0.0	68.8	6	
14	66	-224	0	0	0	-0	1	72.7	51.1	0.0	0.0	123.8	6	
15	66	-107	0	0	0	-0	0	34.7	29.8	0.0	0.0	64.4	6	
16	66	-129	0	0	0	-0	0	41.8	29.8	0.0	0.0	71.5	6	
17	66	-133	0	-0	0	-0	0	43.3	29.8	0.0	0.0	73.1	6	
1A	133	-150	-2	0	0	-0	0	48.6	0.6	1.5	0.0	49.1	1	
1E	133	-149	-2	0	0	-0	0	48.3	0.6	1.5	0.0	48.8	1	
1I	133	-151	-2	0	0	-0	0	48.9	0.6	1.5	0.0	49.5	1	
1M	133	-148	-2	0	0	-0	0	47.9	0.6	1.5	0.0	48.5	1	
2	133	-201	-2	-0	0	-0	0	65.3	0.6	2.1	0.0	65.9	1	
3	133	-102	-1	0	0	-0	0	33.2	0.5	1.3	0.0	33.8	1	
4	133	-106	-1	-0	0	-0	0	34.4	0.4	1.3	0.0	34.8	1	
5	133	-126	-1	-0	0	-0	0	40.9	0.3	1.3	0.0	41.2	1	
6	133	-245	-2	0	0	-0	0	79.7	0.9	2.1	0.0	80.6	1	
7	133	-121	-1	0	0	-0	0	39.3	0.8	1.3	0.0	40.1	1	
8	133	-126	-1	0	0	-0	0	40.9	0.6	1.3	0.0	41.5	1	
9	133	-158	-1	-0	0	-0	0	51.3	0.5	1.3	0.0	51.8	1	
10	133	-202	-2	0	0	-0	0	65.6	0.7	2.1	0.0	66.3	1	
11	133	-102	-1	0	0	-0	0	33.2	0.6	1.3	0.0	33.8	1	
12	133	-116	-1	0	0	-0	0	37.6	0.4	1.3	0.0	38.0	1	
13	133	-120	-1	-0	0	-0	0	39.1	0.4	1.3	0.0	39.5	1	
14	133	-224	-2	0	0	-0	0	72.7	0.9	2.2	0.0	73.6	1	
15	133	-107	-1	0	0	-0	0	34.7	0.8	1.3	0.0	35.5	1	
16	133	-129	-1	0	0	-0	0	41.8	0.6	1.3	0.0	42.3	1	
17	133	-133	-1	-0	0	-0	0	43.3	0.5	1.3	0.0	43.8	1	

ASTA NUM. 52 NI 200 NF 194 Lungh. 72.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-4	1	0	0	0	-0	1.2	6.2	1.0	0.0	7.4	6	
1E	0	11	1	0	0	0	-0	3.6	6.2	1.0	0.0	9.8	6	
1I	0	1	1	0	0	0	-0	0.2	6.0	1.0	0.0	6.2	6	
1M	0	7	1	0	0	0	-0	2.2	6.0	1.0	0.0	8.2	6	
2	0	-75	2	0	0	-0	-0	24.4	16.2	1.5	0.0	40.5	6	
3	0	143	1	0	0	-0	-0	46.6	10.1	0.9	0.0	56.6	6	
4	0	-23	1	0	0	-0	-0	7.4	10.0	0.9	0.0	17.4	6	
5	0	-102	1	0	0	-0	-0	33.0	9.9	0.9	0.0	42.9	6	
6	0	7	2	0	0	0	-0	2.3	12.0	1.4	0.0	14.4	6	
7	0	301	1	0	0	0	-0	97.6	7.4	0.9	0.0	105.0	6	
8	0	29	1	0	0	0	-0	9.4	7.4	0.9	0.0	16.8	6	
9	0	-85	1	0	0	0	-0	27.7	7.4	0.9	0.0	35.1	6	
10	0	12	2	0	0	-0	-0	3.9	16.1	1.5	0.0	20.0	6	
11	0	198	1	0	0	-0	-0	64.2	10.0	0.9	0.0	74.2	6	
12	0	32	1	0	0	-0	-0	10.3	10.0	0.9	0.0	20.2	6	
13	0	-25	1	0	0	-0	-0	8.2	9.9	0.9	0.0	18.1	6	
14	0	7	2	0	0	0	-0	2.4	11.9	1.5	0.0	14.4	6	
15	0	300	1	0	0	0	-0	97.5	7.3	0.9	0.0	104.8	6	
16	0	29	1	0	0	0	-0	9.4	7.3	0.9	0.0	16.8	6	
17	0	-50	1	0	0	0	-0	16.3	7.1	0.9	0.0	23.4	6	
1A	36	-4	0	0	0	-0	0	1.2	8.3	0.2	0.0	9.5	6	
1E	36	11	0	0	0	-0	0	3.6	8.3	0.2	0.0	11.9	6	
1I	36	1	0	0	0	-0	0	0.2	8.4	0.2	0.0	8.7	6	
1M	36	7	0	0	0	-0	0	2.2	8.4	0.2	0.0	10.6	6	
2	36	-75	0	0	0	-0	0	24.4	7.8	0.4	0.0	32.2	6	
3	36	143	0	0	0	-0	0	46.6	4.9	0.2	0.0	51.5	6	
4	36	-23	0	0	0	-0	0	7.4	4.9	0.2	0.0	12.4	6	
5	36	-102	0	0	0	-0	0	33.0	4.9	0.2	0.0	37.9	6	
6	36	7	0	0	0	-0	0	2.3	10.3	0.3	0.0	12.6	6	
7	36	301	0	0	0	-0	0	97.6	6.4	0.2	0.0	104.0	6	
8	36	29	0	0	0	-0	0	9.4	6.5	0.2	0.0	15.9	6	
9	36	-85	0	0	0	-0	0	27.7	6.4	0.2	0.0	34.1	6	
10	36	12	0	0	0	-0	0	3.9	7.9	0.4	0.0	11.8	6	
11	36	198	0	0	0	-0	0	64.2	4.9	0.2	0.0	69.2	6	
12	36	32	0	0	0	-0	0	10.3	4.9	0.2	0.0	15.2	6	
13	36	-25	0	0	0	-0	0	8.2	5.0	0.2	0.0	13.2	6	
14	36	7	0	0	0	-0	0	2.4	11.3	0.3	0.0	13.7	6	
15	36	300	0	0	0	-0	0	97.5	6.5	0.2	0.0	104.0	6	
16	36	29	0	0	0	-0	0	9.4	6.4	0.2	0.0	15.8	6	
17	36	-50	0	0	0	-0	0	16.3	6.5	0.2	0.0	22.8	6	
1A	73	-4	-1	0	0	-0	0	1.2	2.2	0.7	0.0	3.4	6	
1E	73	11	-1	0	0	-0	0	3.6	2.2	0.7	0.0	5.8	6	
1I	73	1	-1	0	0	-0	0	0.2	2.3	0.7	0.0	2.5	6	
1M	73	7	-1	0	0	-0	0	2.2	2.3	0.7	0.0	4.5	6	
2	73	-75	-1	0	0	-0	0	24.4	2.9	0.8	0.0	27.2	6	
3	73	143	-1	0	0	-0	0	46.6	1.7	0.5	0.0	48.3	6	
4	73	-23	-1	0	0	-0	0	7.4	1.7	0.5	0.0	9.2	6	
5	73	-102	-1	0	0	-0	0	33.0	1.7	0.5	0.0	34.7	6	
6	73	7	-1	0	0	-0	0	2.3	3.7	0.8	0.0	6.0	6	
7	73	301	-1	0	0	-0	0	97.6	2.2	0.5	0.0	99.8	6	
8	73	29	-1	0	0	-0	0	9.4	2.3	0.5	0.0	11.6	6	
9	73	-85	-1	0	0	-0	0	27.7	2.2	0.5	0.0	29.9	6	
10	73	12	-1	0	0	-0	0	3.9	3.0	0.8	0.0	6.9	6	
11	73	198	-1	0	0	-0	0	64.2	1.8	0.5	0.0	66.0	6	
12	73	32	-1	0	0	-0	0	10.3	1.7	0.5	0.0	12.0	6	
13	73	-25	-1	0	0	-0	0	8.2	1.8	0.5	0.0	10.0	6	
14	73	7	-1	0	0	-0	0	2.4	3.7	0.9	0.0	6.1	6	
15	73	300	-1	0	0	-0	0	97.5	2.2	0.5	0.0	99.7	6	
16	73	29	-1	0	0	-0	0	9.4	2.1	0.5	0.0	11.5	6	
17	73	-50	-1	0	0	-0	0	16.3	2.2	0.5	0.0	18.4	6	

ASTA NUM. 53 NI 200 NF 192 Lungh. 72.8 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-4	1	-0	0	-0	-0	1.3	6.1	1.0	0.0	7.5	6	

1E	0	11	1	-0	0	-0	-0	3.4	6.1	1.0	0.0	9.6	6
1I	0	0	1	-0	0	-0	-0	0.1	5.9	1.0	0.0	6.0	6
1M	0	6	1	-0	0	-0	-0	2.0	5.9	1.0	0.0	8.0	6
2	0	98	2	-0	0	-0	-0	31.8	15.8	1.5	0.0	47.6	6
3	0	-129	1	-0	0	-0	-0	41.9	9.6	0.9	0.0	51.5	6
4	0	37	1	-0	0	-0	-0	12.1	9.5	0.9	0.0	21.6	6
5	0	116	1	-0	0	-0	-0	37.6	9.7	0.9	0.0	47.3	6
6	0	6	2	-0	0	-0	-0	2.1	11.9	1.4	0.0	14.0	6
7	0	-292	1	-0	0	-0	-0	94.8	7.1	0.9	0.0	101.9	6
8	0	-21	1	-0	0	-0	-0	6.7	7.1	0.9	0.0	13.7	6
9	0	94	1	-0	0	-0	-0	30.4	7.2	0.9	0.0	37.7	6
10	0	11	2	-0	0	-0	-0	3.5	15.9	1.5	0.0	19.4	6
11	0	-184	1	-0	0	-0	-0	59.6	9.7	0.9	0.0	69.2	6
12	0	-17	1	-0	0	-0	-0	5.6	9.5	0.9	0.0	15.1	6
13	0	40	1	-0	0	-0	-0	12.9	9.7	0.9	0.0	22.6	6
14	0	7	2	-0	0	-0	-0	2.1	11.8	1.5	0.0	14.0	6
15	0	-292	1	-0	0	-0	-0	94.8	6.9	0.9	0.0	101.7	6
16	0	-21	1	-0	0	-0	-0	6.7	6.8	0.9	0.0	13.6	6
17	0	58	1	-0	0	-0	-0	19.0	7.1	0.9	0.0	26.0	6
1A	36	-4	0	-0	0	0	0	1.3	8.4	0.2	0.0	9.7	6
1E	36	11	0	-0	0	0	0	3.4	8.4	0.2	0.0	11.8	6
1I	36	0	0	-0	0	0	0	0.1	8.5	0.2	0.0	8.6	6
1M	36	6	0	-0	0	0	0	2.0	8.5	0.2	0.0	10.5	6
2	36	98	0	-0	0	0	0	31.8	8.1	0.4	0.0	39.9	6
3	36	-129	0	-0	0	0	0	41.9	5.2	0.2	0.0	47.1	6
4	36	37	0	-0	0	0	0	12.1	5.3	0.2	0.0	17.3	6
5	36	116	0	-0	0	0	0	37.6	5.2	0.2	0.0	42.8	6
6	36	6	0	-0	0	0	0	2.1	10.4	0.3	0.0	12.4	6
7	36	-292	0	-0	0	0	0	94.8	6.7	0.2	0.0	101.5	6
8	36	-21	0	-0	0	0	0	6.7	6.7	0.2	0.0	13.3	6
9	36	94	0	-0	0	0	0	30.4	6.6	0.2	0.0	37.0	6
10	36	11	0	-0	0	0	0	3.5	8.0	0.4	0.0	11.6	6
11	36	-184	0	-0	0	0	0	59.6	5.2	0.2	0.0	64.7	6
12	36	-17	0	-0	0	0	0	5.6	5.3	0.2	0.0	10.9	6
13	36	40	0	-0	0	0	0	12.9	5.1	0.2	0.0	18.0	6
14	36	7	0	-0	0	0	0	2.1	11.4	0.3	0.0	13.6	6
15	36	-292	0	-0	0	0	0	94.8	6.7	0.2	0.0	101.6	6
16	36	-21	0	-0	0	0	0	6.7	6.8	0.2	0.0	13.6	6
17	36	58	0	-0	0	0	0	19.0	6.7	0.2	0.0	25.7	6
1A	73	-4	-1	-0	0	0	0	1.3	2.3	0.7	0.0	3.6	6
1E	73	11	-1	-0	0	0	0	3.4	2.3	0.7	0.0	5.7	6
1I	73	0	-1	-0	0	0	0	0.1	2.3	0.7	0.0	2.4	6
1M	73	6	-1	-0	0	0	0	2.0	2.3	0.7	0.0	4.4	6
2	73	98	-1	-0	0	0	0	31.8	3.2	0.8	0.0	35.0	6
3	73	-129	-1	-0	0	0	0	41.9	2.0	0.5	0.0	43.9	6
4	73	37	-1	-0	0	0	0	12.1	2.0	0.5	0.0	14.1	6
5	73	116	-1	-0	0	0	0	37.6	2.0	0.5	0.0	39.6	6
6	73	6	-1	-0	0	0	0	2.1	3.8	0.9	0.0	5.9	6
7	73	-292	-1	-0	0	0	0	94.8	2.4	0.5	0.0	97.2	6
8	73	-21	-1	-0	0	0	0	6.7	2.3	0.5	0.0	9.0	6
9	73	94	-1	-0	0	0	0	30.4	2.4	0.5	0.0	32.9	6
10	73	11	-1	-0	0	0	0	3.5	3.1	0.8	0.0	6.6	6
11	73	-184	-1	-0	0	0	0	59.6	1.9	0.5	0.0	61.5	6
12	73	-17	-1	-0	0	0	0	5.6	2.0	0.5	0.0	7.6	6
13	73	40	-1	-0	0	0	0	12.9	1.9	0.5	0.0	14.8	6
14	73	7	-1	-0	0	0	0	2.1	3.8	0.9	0.0	5.9	6
15	73	-292	-1	-0	0	0	0	94.8	2.3	0.5	0.0	97.2	6
16	73	-21	-1	-0	0	0	0	6.7	2.4	0.5	0.0	9.2	6
17	73	58	-1	-0	0	0	0	19.0	2.4	0.5	0.0	21.3	6

ASTA NUM. 54 NI 145 NF 201 Lungh. 66.3 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2951	2	0	0	-0	-0	626.5	4.9	1.0	0.0	631.4	6	
1E	0	2971	2	0	0	-0	-0	630.8	4.9	1.0	0.0	635.8	6	
1I	0	2950	2	0	0	0	-0	626.4	4.8	1.0	0.0	631.2	6	
1M	0	2972	2	0	0	0	-0	631.0	4.8	1.0	0.0	635.8	6	
2	0	3976	2	0	0	0	-0	844.2	5.4	1.4	0.0	849.6	6	
3	0	1526	1	0	0	0	-0	324.0	2.6	0.7	0.0	326.6	1	
4	0	2305	1	0	0	0	-0	489.4	3.4	0.9	0.0	492.8	6	
5	0	2506	1	0	0	0	-0	532.1	3.4	0.9	0.0	535.4	6	
6	0	5001	3	0	0	0	-0	1061.8	8.2	1.5	0.0	1070.0	6	
7	0	1762	1	0	0	0	-0	374.1	3.0	0.8	0.0	377.1	6	
8	0	2928	2	0	0	-0	-0	621.7	5.2	1.0	0.0	626.8	6	
9	0	3221	2	0	0	-0	-0	683.9	5.3	1.0	0.0	689.2	6	
10	0	4286	2	0	0	0	-0	910.0	5.8	1.4	0.0	915.8	6	
11	0	1699	1	0	0	0	-0	360.7	2.8	0.8	0.0	363.5	1	
12	0	2511	1	0	0	0	-0	533.1	3.7	0.9	0.0	536.8	6	
13	0	2615	1	0	0	0	-0	555.2	3.5	0.9	0.0	558.7	6	
14	0	5292	3	0	0	0	-0	1123.6	8.5	1.6	0.0	1132.1	6	
15	0	1924	1	0	0	0	-0	408.5	3.2	0.8	0.0	411.6	6	
16	0	3131	2	0	0	-0	-0	664.8	5.5	1.0	0.0	670.2	6	
17	0	3258	2	0	0	-0	-0	691.7	5.2	1.0	0.0	696.9	6	
1A	33	2951	0	0	0	-0	0	626.5	5.4	0.3	0.0	631.9	6	
1E	33	2971	0	0	0	-0	0	630.8	5.4	0.3	0.0	636.2	6	
1I	33	2950	0	0	0	-0	0	626.4	5.4	0.3	0.0	631.8	6	
1M	33	2972	0	0	0	-0	0	631.0	5.4	0.3	0.0	636.3	6	
2	33	3976	1	0	0	0	0	844.2	8.4	0.3	0.0	852.5	6	
3	33	1526	0	0	0	0	0	324.0	5.5	0.1	0.0	329.5	6	
4	33	2305	0	0	0	0	0	489.4	5.1	0.2	0.0	494.5	6	
5	33	2506	0	0	0	0	0	532.1	5.1	0.2	0.0	537.2	6	
6	33	5001	1	0	0	-0	0	1061.8	7.5	0.5	0.0	1069.3	6	
7	33	1762	0	0	0	-0	0	374.1	4.7	0.2	0.0	378.8	6	
8	33	2928	1	0	0	-0	0	621.7	4.6	0.3	0.0	626.3	6	
9	33	3221	1	0	0	-0	0	683.9	4.7	0.3	0.0	688.5	6	
10	33	4286	1	0	0	0	0	910.0	8.3	0.3	0.0	918.3	6	
11	33	1699	0	0	0	0	0	360.7	5.5	0.1	0.0	366.2	6	
12	33	2511	0	0	0	0	0	533.1	5.0	0.2	0.0	538.2	6	
13	33	2615	0	0	0	0	0	555.2	5.2	0.2	0.0	560.4	6	
14	33	5292	1	0	0	-0	0	1123.6	8.1	0.5	0.0	1131.6	6	
15	33	1924	0	0	0	-0	0	408.5	4.7	0.2	0.0	413.2	6	
16	33	3131	1	0	0	-0	0	664.8	4.6	0.3	0.0	669.3	6	
17	33	3258	1	0	0	-0	0	691.7	4.7	0.3	0.0	696.4	6	
1A	66	2951	-1	0	0	-0	0	626.5	4.3	0.5	0.0	630.8	6	
1E	66	2971	-1	0	0	-0	0	630.8	4.3	0.5	0.0	635.1	6	
1I	66	2950	-1	0	0	-0	0	626.4	4.3	0.5	0.0	630.7	6	
1M	66	2972	-1	0	0	-0	0	631.0	4.3	0.5	0.0	635.3	6	
2	66	3976	-1	0	0	-0	0	844.2	5.8	0.7	0.0	849.9	6	
3	66	1526	-1	0	0	-0	0	324.0	2.1	0.6	0.0	326.1	6	
4	66	2305	-1	0	0	-0	0	489.4	3.5	0.5	0.0	492.9	6	
5	66	2506	-1	0	0	-0	0	532.1	3.6	0.5	0.0	535.7	6	
6	66	5001	-1	0	0	-0	0	1061.8	7.4	0.6	0.0	1069.2	6	
7	66	1762	-1	0	0	-0	0	374.1	2.5	0.5	0.0	376.6	6	
8	66	2928	-1	0	0	-0	0	621.7	4.5	0.4	0.0	626.1	6	
9	66	3221	-1	0	0	-0	0	683.9	4.6	0.3	0.0	688.5	6	
10	66	4286	-1	0	0	-0	0	910.0	6.1	0.7	0.0	916.0	6	
11	66	1699	-1	0	0	-0	0	360.7	2.2	0.6	0.0	363.0	6	
12	66	2511	-1	0	0	-0	0	533.1	3.7	0.4	0.0	536.8	6	
13	66	2615	-1	0	0	-0	0	555.2	3.7	0.5	0.0	558.9	6	
14	66	5292	-1	0	0	-0	0	1123.6	7.6	0.6	0.0	1131.2	6	
15	66	1924	-1	0	0	-0	0	408.5	2.6	0.5	0.0	411.1	6	
16	66	3131	-1	0	0	-0	0	664.8	4.6	0.3	0.0	669.4	6	
17	66	3258	-1	0	0	-0	0	691.7	4.7	0.3	0.0	696.4	6	

ASTA NUM. 55 NI 201 NF 144 Lungh. 66.3 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2951	1	-0	0	-0	0	626.5	4.4	0.5	0.0	630.9	6	
1E	0	2971	1	-0	0	-0	0	630.8	4.4	0.5	0.0	635.3	6	
1I	0	2950	1	-0	0	-0	0	626.4	4.4	0.5	0.0	630.8	6	
1M	0	2972	1	-0	0	-0	0	631.0	4.4	0.5	0.0	635.4	6	
2	0	3818	1	-0	0	-0	0	810.6	5.3	0.7	0.0	815.9	6	
3	0	1772	1	-0	0	-0	0	376.2	1.9	0.6	0.0	378.1	6	
4	0	2247	1	-0	0	-0	0	477.1	3.2	0.5	0.0	480.3	6	
5	0	2307	1	-0	0	-0	0	489.8	3.3	0.5	0.0	493.1	6	
6	0	5001	1	-0	0	-0	0	1061.8	7.4	0.6	0.0	1069.2	6	
7	0	2300	1	-0	0	-0	0	488.3	2.7	0.5	0.0	491.0	6	
8	0	2970	1	-0	0	-0	0	630.6	4.5	0.4	0.0	635.1	6	
9	0	3058	1	-0	0	-0	0	649.3	4.7	0.4	0.0	654.0	6	
10	0	4286	1	-0	0	-0	0	910.0	5.6	0.7	0.0	915.6	6	
11	0	2044	1	-0	0	-0	0	434.0	2.1	0.6	0.0	436.1	6	
12	0	2552	1	-0	0	-0	0	541.8	3.4	0.5	0.0	545.2	6	
13	0	2555	1	-0	0	-0	0	542.5	3.4	0.5	0.0	545.9	6	
14	0	5293	1	-0	0	-0	0	1123.8	7.6	0.6	0.0	1131.4	6	
15	0	2462	1	-0	0	-0	0	522.7	2.8	0.5	0.0	525.6	6	
16	0	3172	1	-0	0	-0	0	673.5	4.7	0.4	0.0	678.1	6	
17	0	3159	1	-0	0	-0	0	670.7	4.7	0.3	0.0	675.4	6	
1A	33	2951	-0	-0	0	-0	0	626.5	5.4	0.3	0.0	631.9	6	
1E	33	2971	-0	-0	0	-0	0	630.8	5.4	0.3	0.0	636.3	6	
1I	33	2950	-0	-0	0	-0	0	626.4	5.3	0.3	0.0	631.7	6	
1M	33	2972	-0	-0	0	-0	0	631.0	5.3	0.3	0.0	636.3	6	
2	33	3818	-0	-0	0	0	0	810.6	8.7	0.3	0.0	819.3	6	
3	33	1772	-0	-0	0	0	0	376.2	5.7	0.1	0.0	381.9	6	
4	33	2247	-0	-0	0	0	0	477.1	5.6	0.2	0.0	482.7	6	
5	33	2307	-0	-0	0	0	0	489.8	5.5	0.2	0.0	495.3	6	

6	33	5001	-1	-0	0	-0	0	1061.8	7.5	0.5	0.0	1069.3	6
7	33	2300	-0	-0	0	-0	0	488.3	4.9	0.2	0.0	493.3	6
8	33	2970	-0	-0	0	-0	0	630.6	4.8	0.3	0.0	635.4	6
9	33	3058	-0	-0	0	-0	0	649.3	4.7	0.3	0.0	654.0	6
10	33	4286	-1	-0	0	0	0	910.0	8.4	0.3	0.0	918.4	6
11	33	2044	-0	-0	0	0	0	434.0	5.6	0.1	0.0	439.5	6
12	33	2552	-0	-0	0	0	0	541.8	5.5	0.2	0.0	547.3	6
13	33	2555	-0	-0	0	0	0	542.5	5.3	0.2	0.0	547.8	6
14	33	5293	-1	-0	0	-0	0	1123.8	8.1	0.5	0.0	1131.9	6
15	33	2462	-0	-0	0	-0	0	522.7	4.9	0.2	0.0	527.6	6
16	33	3172	-0	-0	0	-0	0	673.5	4.9	0.3	0.0	678.3	6
17	33	3159	-1	-0	0	-0	0	670.7	4.7	0.3	0.0	675.4	6
1A	66	2951	-2	-0	0	0	-0	626.5	4.9	1.0	0.0	631.4	6
1E	66	2971	-2	-0	0	0	-0	630.8	4.9	1.0	0.0	635.7	6
1I	66	2950	-2	-0	0	0	-0	626.4	5.1	1.0	0.0	631.5	6
1M	66	2972	-2	-0	0	0	-0	631.0	5.1	1.0	0.0	636.1	6
2	66	3818	-2	-0	0	0	-0	810.6	5.5	1.4	0.0	816.2	6
3	66	1772	-1	-0	0	0	-0	376.2	2.7	0.7	0.0	378.9	1
4	66	2247	-1	-0	0	0	-0	477.1	3.2	0.8	0.0	480.2	1
5	66	2307	-1	-0	0	0	-0	489.8	3.4	0.8	0.0	493.2	6
6	66	5001	-3	-0	0	0	-0	1061.8	8.2	1.5	0.0	1070.0	6
7	66	2300	-1	-0	0	0	-0	488.3	2.7	0.8	0.0	491.1	6
8	66	2970	-2	-0	0	0	-0	630.6	4.7	0.9	0.0	635.3	6
9	66	3058	-2	-0	0	0	-0	649.3	5.2	1.0	0.0	654.4	6
10	66	4286	-2	-0	0	0	-0	910.0	5.9	1.4	0.0	915.9	6
11	66	2044	-1	-0	0	0	-0	434.0	2.6	0.8	0.0	436.6	1
12	66	2552	-1	-0	0	0	-0	541.8	3.3	0.8	0.0	545.1	6
13	66	2555	-1	-0	0	0	-0	542.5	3.7	0.9	0.0	546.1	6
14	66	5293	-3	-0	0	0	-0	1123.8	8.5	1.6	0.0	1132.2	6
15	66	2462	-1	-0	0	0	-0	522.7	2.9	0.8	0.0	525.6	6
16	66	3172	-2	-0	0	0	-0	673.5	4.8	1.0	0.0	678.3	6
17	66	3159	-2	-0	0	0	-0	670.7	5.3	1.0	0.0	676.0	6

ASTA NUM. 56 NI 147 NF 200 Lungh. 66.3 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3323	1	0	0	-0	0	705.6	6.9	0.4	0.0	712.5	6	
1E	0	-3303	1	0	0	-0	0	701.2	6.9	0.4	0.0	708.2	6	
1I	0	-3324	1	0	0	-0	0	705.7	7.0	0.4	0.0	712.7	6	
1M	0	-3302	1	0	0	-0	0	701.1	7.0	0.4	0.0	708.1	6	
2	0	-4371	1	0	0	0	0	928.0	6.8	0.7	0.0	934.9	6	
3	0	-2476	1	0	0	0	0	525.7	4.3	0.4	0.0	530.0	6	
4	0	-2575	1	0	0	0	0	546.7	3.9	0.4	0.0	550.6	6	
5	0	-2667	1	0	0	0	0	566.2	4.1	0.4	0.0	570.4	6	
6	0	-5539	1	0	0	-0	0	1176.0	10.7	0.5	0.0	1186.7	6	
7	0	-3074	0	0	0	-0	0	652.7	6.2	0.3	0.0	658.9	6	
8	0	-3306	1	0	0	-0	0	701.9	6.0	0.3	0.0	707.9	6	
9	0	-3432	0	0	0	-0	0	728.7	6.8	0.3	0.0	735.4	6	
10	0	-4245	1	0	0	0	0	901.3	7.0	0.7	0.0	908.3	6	
11	0	-2386	1	0	0	0	0	506.6	4.4	0.4	0.0	511.0	6	
12	0	-2484	1	0	0	0	0	527.4	3.9	0.4	0.0	531.3	6	
13	0	-2555	1	0	0	0	0	542.5	4.2	0.4	0.0	546.7	6	
14	0	-5248	1	0	0	-0	0	1114.2	10.5	0.6	0.0	1124.8	6	
15	0	-2883	1	0	0	-0	0	612.1	6.1	0.3	0.0	618.2	6	
16	0	-3103	1	0	0	-0	0	658.8	5.7	0.3	0.0	664.5	6	
17	0	-3196	1	0	0	-0	0	678.6	6.6	0.3	0.0	685.1	6	
1A	33	-3323	-1	0	0	-0	0	705.6	7.3	0.4	0.0	712.9	6	
1E	33	-3303	-1	0	0	-0	0	701.2	7.3	0.4	0.0	708.5	6	
1I	33	-3324	-1	0	0	-0	0	705.7	7.3	0.4	0.0	713.0	6	
1M	33	-3302	-1	0	0	-0	0	701.1	7.3	0.4	0.0	708.4	6	
2	33	-4371	-1	0	0	0	0	928.0	8.5	0.4	0.0	936.6	6	
3	33	-2476	-0	0	0	0	0	525.7	5.4	0.2	0.0	531.1	6	
4	33	-2575	-0	0	0	0	0	546.7	5.2	0.2	0.0	551.9	6	
5	33	-2667	-0	0	0	-0	0	566.2	5.3	0.2	0.0	571.6	6	
6	33	-5539	-1	0	0	-0	0	1176.0	10.1	0.6	0.0	1186.1	6	
7	33	-3074	-1	0	0	-0	0	652.7	6.1	0.4	0.0	658.8	6	
8	33	-3306	-1	0	0	-0	0	701.9	6.0	0.3	0.0	707.9	6	
9	33	-3432	-1	0	0	-0	0	728.7	6.4	0.4	0.0	735.0	6	
10	33	-4245	-1	0	0	0	0	901.3	8.6	0.4	0.0	909.9	6	
11	33	-2386	-0	0	0	0	0	506.6	5.4	0.2	0.0	512.0	6	
12	33	-2484	-0	0	0	0	0	527.4	5.2	0.2	0.0	532.6	6	
13	33	-2555	-0	0	0	0	0	542.5	5.4	0.2	0.0	547.8	6	
14	33	-5248	-1	0	0	-0	0	1114.2	10.6	0.6	0.0	1124.9	6	
15	33	-2883	-1	0	0	-0	0	612.1	6.0	0.3	0.0	618.1	6	
16	33	-3103	-1	0	0	-0	0	658.8	5.9	0.3	0.0	664.7	6	
17	33	-3196	-1	0	0	-0	0	678.6	6.3	0.3	0.0	684.8	6	
1A	66	-3323	-2	0	0	-0	-0	705.6	4.7	1.1	0.0	710.2	6	
1E	66	-3303	-2	0	0	-0	-0	701.2	4.7	1.1	0.0	705.9	6	
1I	66	-3324	-2	0	0	-0	-0	705.7	4.7	1.1	0.0	710.4	6	
1M	66	-3302	-2	0	0	-0	-0	701.1	4.7	1.1	0.0	705.8	6	
2	66	-4371	-2	0	0	-0	-0	928.0	5.6	1.4	0.0	933.6	6	
3	66	-2476	-1	0	0	-0	-0	525.7	3.5	0.9	0.0	529.2	6	
4	66	-2575	-1	0	0	-0	-0	546.7	3.4	0.9	0.0	550.1	6	
5	66	-2667	-1	0	0	-0	-0	566.2	3.4	0.9	0.0	569.7	6	
6	66	-5539	-3	0	0	-0	-0	1176.0	7.8	1.6	0.0	1183.8	6	
7	66	-3074	-2	0	0	-0	-0	652.7	4.9	1.0	0.0	657.5	6	
8	66	-3306	-2	0	0	-0	-0	701.9	4.8	1.0	0.0	706.7	6	
9	66	-3432	-2	0	0	-0	-0	728.7	4.8	1.0	0.0	733.5	6	
10	66	-4245	-2	0	0	-0	-0	901.3	5.6	1.4	0.0	906.8	6	
11	66	-2386	-1	0	0	-0	-0	506.6	3.5	0.9	0.0	510.0	6	
12	66	-2484	-1	0	0	-0	-0	527.4	3.4	0.9	0.0	530.8	6	
13	66	-2555	-1	0	0	-0	-0	542.5	3.4	0.9	0.0	545.9	6	
14	66	-5248	-3	0	0	-0	-0	1114.2	7.6	1.7	0.0	1121.8	6	
15	66	-2883	-2	0	0	-0	-0	612.1	4.7	1.0	0.0	616.8	6	
16	66	-3103	-2	0	0	-0	-0	658.8	4.6	1.0	0.0	663.5	6	
17	66	-3196	-2	0	0	-0	-0	678.6	4.7	1.0	0.0	683.2	6	

ASTA NUM. 57 NI 200 NF 146 Lungh. 66.3 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3324	2	0	0	-0	-0	705.8	4.7	1.1	0.0	710.5	6	
1E	0	-3304	2	0	0	-0	-0	701.4	4.7	1.1	0.0	706.1	6	
1I	0	-3325	2	0	0	-0	-0	705.9	4.7	1.1	0.0	710.6	6	
1M	0	-3303	2	0	0	-0	-0	701.3	4.7	1.1	0.0	706.0	6	
2	0	-4213	2	-0	0	-0	-0	894.5	6.3	1.5	0.0	900.8	6	
3	0	-2724	1	-0	0	-0	-0	578.3	3.9	0.9	0.0	582.2	6	
4	0	-2519	1	-0	0	-0	-0	534.8	3.9	0.9	0.0	538.7	6	
5	0	-2469	1	-0	0	-0	-0	524.2	3.8	0.9	0.0	528.0	6	
6	0	-5540	3	-0	0	-0	-0	1176.2	8.0	1.6	0.0	1184.3	6	
7	0	-3614	2	0	0	-0	-0	767.3	4.9	1.0	0.0	772.2	6	
8	0	-3350	2	-0	0	-0	-0	711.3	5.0	1.0	0.0	716.2	6	
9	0	-3269	2	-0	0	-0	-0	694.1	4.9	1.0	0.0	699.0	6	
10	0	-4246	2	-0	0	-0	-0	901.5	6.3	1.4	0.0	907.8	6	
11	0	-2733	1	-0	0	-0	-0	580.3	3.9	0.9	0.0	584.1	6	
12	0	-2528	1	-0	0	-0	-0	536.7	3.8	0.9	0.0	540.5	6	
13	0	-2496	1	-0	0	-0	-0	529.9	3.8	0.9	0.0	533.7	6	
14	0	-5249	3	-0	0	-0	-0	1114.4	7.8	1.7	0.0	1122.3	6	
15	0	-3422	2	0	0	-0	-0	726.5	4.8	1.0	0.0	731.3	6	
16	0	-3148	2	0	0	-0	-0	668.4	4.8	1.0	0.0	673.1	6	
17	0	-3097	2	-0	0	-0	-0	657.5	4.8	1.0	0.0	662.3	6	
1A	33	-3324	1	0	0	-0	0	705.8	7.4	0.4	0.0	713.2	6	
1E	33	-3304	1	0	0	-0	0	701.4	7.4	0.4	0.0	708.8	6	
1I	33	-3325	1	0	0	-0	0	705.9	7.5	0.4	0.0	713.4	6	
1M	33	-3303	1	0	0	-0	0	701.3	7.5	0.4	0.0	708.8	6	
2	33	-4213	1	-0	0	-0	0	894.5	8.7	0.4	0.0	903.2	6	
3	33	-2724	0	-0	0	-0	0	578.3	5.5	0.2	0.0	583.9	6	
4	33	-2519	0	-0	0	-0	0	534.8	5.6	0.3	0.0	540.5	6	
5	33	-2469	0	-0	0	-0	0	524.2	5.3	0.2	0.0	529.6	6	
6	33	-5540	1	-0	0	-0	0	1176.2	10.3	0.6	0.0	1186.5	6	
7	33	-3614	1	0	0	-0	0	767.3	6.6	0.4	0.0	773.9	6	
8	33	-3350	1	-0	0	-0	0	711.3	6.6	0.4	0.0	717.9	6	
9	33	-3269	1	-0	0	-0	0	694.1	6.3	0.4	0.0	700.3	6	
10	33	-4246	1	-0	0	-0	0	901.5	8.7	0.4	0.0	910.2	6	
11	33	-2733	0	-0	0	-0	0	580.3	5.5	0.2	0.0	585.8	6	
12	33	-2528	0	-0	0	-0	0	536.7	5.6	0.3	0.0	542.4	6	
13	33	-2496	0	-0	0	-0	0	529.9	5.3	0.2	0.0	535.2	6	
14	33	-5249	1	-0	0	-0	0	1114.4	10.8	0.6	0.0	1125.2	6	
15	33	-3422	1	0	0	-0	0	726.5	6.5	0.4	0.0	733.0	6	
16	33	-3148	1	0	0	-0	0	668.4	6.6	0.4	0.0	675.0	6	
17	33	-3097	1	-0	0	-0	0	657.5	6.2	0.3	0.0	663.8	6	
1A	66	-3324	-1	0	0	-0	0	705.8	7.2	0.4	0.0	712.9	6	
1E	66	-3304	-1	0	0	-0	0	701.4	7.2	0.4	0.0	708.6	6	
1I	66	-3325	-1	0	0	-0	0	705.9	7.3	0.4	0.0	713.2	6	
1M	66	-3303	-1	0	0	-0	0	701.3	7.3	0.4	0.0	708.6	6	
2	66	-4213	-1	-0	0	0	0	894.5	7.1	0.7	0.0	901.5	6	
3	66	-2724	-1	-0	0	0	0	578.3	4.2	0.4	0.0	582.6	6	
4	66	-2519	-1	-0	0	0	0	534.8	4.5	0.4	0.0	539.3	6	
5	66	-2469	-1	-0	0	0	0	524.2	4.3	0.4	0.0	528.5	6	
6	66	-5540	-1	-0	0	-0	0	1176.2	10.9	0.5	0.0	1187.2	6	
7	66	-3614	-0	0	0	-0	0	767.3	7.1	0.3	0.0	774.4	6	
8	66	-3350	-0	-0	0	-0	0	711.3	7.2	0.3	0.0	718.5	6	
9	66	-3269	-0	-0	0	-0	0	694.1	6.5	0.3	0.0	700.6	6	
10	66	-4246	-1	-0	0	0	0	901.5	6.8	0.7	0.0	908.3	6	
11	66	-2733	-1	-0	0	0	0	580.3	4.1	0.4	0.0	584.3	6	
12	66	-2528	-1	-0	0	0	0	536.7	4.4	0.4	0.0	541.1	6	

13	66	-2496	-1	-0	0	0	0	529.9	4.1	0.4	0.0	534.0	6
14	66	-5249	-1	-0	0	-0	0	1114.4	10.7	0.6	0.0	1125.2	6
15	66	-3422	-1	0	0	-0	0	726.5	6.9	0.3	0.0	733.4	6
16	66	-3148	-0	0	0	-0	0	668.4	7.1	0.3	0.0	675.5	6
17	66	-3097	-1	-0	0	-0	0	657.5	6.3	0.3	0.0	663.9	6

ASTA NUM. 58 NI 181 NF 182 Lungh. 132.6 cm SEZ. 16 Ps L 50X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	35	2	0	0	-0	-0	9.0	1.1	1.5	0.0	10.1	6	
1E	0	35	2	0	0	-0	-0	9.0	1.1	1.5	0.0	10.1	6	
1I	0	35	2	0	0	-0	-0	9.0	1.1	1.5	0.0	10.1	6	
1M	0	35	2	0	0	-0	-0	9.0	1.1	1.5	0.0	10.1	6	
2	0	32	3	-0	0	-0	-0	8.1	1.7	2.1	0.0	9.8	6	
3	0	-3	2	0	0	-0	-0	0.8	1.3	1.3	0.0	2.5	5	
4	0	1	2	-0	0	-0	-0	0.2	2.9	1.4	0.0	3.1	6	
5	0	31	2	-0	0	-0	-0	7.9	1.1	1.3	0.0	9.0	6	
6	0	52	3	0	0	-0	-0	13.5	1.6	2.1	0.0	15.1	6	
7	0	1	2	0	0	-0	-0	0.4	1.5	1.3	0.0	2.4	5	
8	0	-1	2	0	0	-0	-0	0.1	3.1	1.4	0.0	3.2	6	
9	0	49	2	-0	0	-0	-0	12.6	1.2	1.3	0.0	13.7	6	
10	0	10	3	0	0	-0	-0	2.7	1.4	2.1	0.0	4.7	5	
11	0	-16	2	0	0	-0	-0	4.0	1.2	1.3	0.0	5.2	6	
12	0	7	2	0	0	-0	-0	1.7	3.2	1.4	0.0	4.9	6	
13	0	11	2	-0	0	-0	-0	2.7	0.9	1.3	0.0	3.8	4	
14	0	11	3	0	0	-0	-0	2.9	1.6	2.3	0.0	5.1	4	
15	0	-24	2	0	0	-0	-0	6.2	1.4	1.3	0.0	7.6	6	
16	0	7	2	0	0	-0	-0	1.7	3.9	1.4	0.0	5.5	6	
17	0	11	2	-0	0	-0	-0	2.8	0.9	1.3	0.0	3.9	4	
1A	66	35	0	0	0	-0	1	9.0	27.0	0.0	0.0	36.1	6	
1E	66	35	0	0	0	-0	1	9.0	27.0	0.0	0.0	36.1	6	
1I	66	35	0	0	0	-0	1	9.0	27.0	0.0	0.0	36.1	6	
1M	66	35	0	0	0	-0	1	9.0	27.0	0.0	0.0	36.1	6	
2	66	32	0	-0	0	-0	1	8.1	37.9	0.0	0.0	46.1	6	
3	66	-3	0	0	0	-0	1	0.8	23.7	0.0	0.0	24.5	6	
4	66	1	0	-0	0	-0	1	0.2	23.8	0.1	0.0	24.0	6	
5	66	31	0	-0	0	-0	1	7.9	23.7	0.0	0.0	31.6	6	
6	66	52	0	0	0	-0	1	13.5	37.9	0.0	0.0	51.3	6	
7	66	1	0	0	0	-0	1	0.4	23.7	0.0	0.0	24.0	6	
8	66	-1	0	0	0	-0	1	0.1	23.8	0.1	0.0	24.0	6	
9	66	49	0	-0	0	-0	1	12.6	23.7	0.0	0.0	36.2	6	
10	66	10	0	0	0	-0	1	2.7	38.0	0.0	0.0	40.6	6	
11	66	-16	0	0	0	-0	1	4.0	23.7	0.0	0.0	27.8	6	
12	66	7	0	0	0	-0	1	1.7	23.8	0.1	0.0	25.5	6	
13	66	11	0	-0	0	-0	1	2.7	23.7	0.0	0.0	26.5	6	
14	66	11	0	0	0	-0	1	2.9	40.6	0.0	0.0	43.5	6	
15	66	-24	0	0	0	-0	1	6.2	23.7	0.0	0.0	29.9	6	
16	66	7	0	0	0	-0	1	1.7	23.8	0.1	0.0	25.5	6	
17	66	11	0	-0	0	-0	1	2.8	23.7	0.0	0.0	26.5	6	
1A	133	35	-2	0	0	-0	-0	9.0	0.6	1.5	0.0	9.7	1	
1E	133	35	-2	0	0	-0	-0	9.0	0.6	1.5	0.0	9.7	1	
1I	133	35	-2	0	0	-0	-0	9.0	0.6	1.5	0.0	9.7	1	
1M	133	35	-2	0	0	-0	-0	9.0	0.6	1.5	0.0	9.7	1	
2	133	32	-3	-0	0	-0	0	8.1	0.8	2.1	0.0	9.2	5	
3	133	-3	-2	0	0	-0	0	0.8	0.8	1.3	0.0	2.4	5	
4	133	1	-2	-0	0	-0	0	0.2	2.5	1.2	0.0	2.7	6	
5	133	31	-2	-0	0	-0	0	7.9	0.4	1.3	0.0	8.3	5	
6	133	52	-3	0	0	-0	0	13.5	1.1	2.1	0.0	14.5	1	
7	133	1	-2	0	0	-0	0	0.4	1.0	1.3	0.0	2.3	5	
8	133	-1	-2	0	0	-0	0	0.1	2.6	1.2	0.0	2.8	6	
9	133	49	-2	-0	0	-0	0	12.6	0.6	1.3	0.0	13.1	1	
10	133	10	-3	0	0	-0	0	2.7	0.9	2.1	0.0	4.7	5	
11	133	-16	-2	0	0	-0	0	4.0	0.8	1.3	0.0	4.9	1	
12	133	7	-2	0	0	-0	0	1.7	2.8	1.2	0.0	4.5	6	
13	133	11	-2	-0	0	-0	0	2.7	0.5	1.3	0.0	3.7	5	
14	133	11	-3	0	0	-0	0	2.9	1.1	2.2	0.0	5.0	5	
15	133	-24	-2	0	0	-0	0	6.2	1.0	1.3	0.0	7.3	1	
16	133	7	-2	0	0	-0	0	1.7	3.4	1.2	0.0	5.1	6	
17	133	11	-2	-0	0	-0	0	2.8	0.6	1.3	0.0	3.8	5	

ASTA NUM. 59 NI 192 NF 147 Lungh. 30.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	20493	-6	4	0	1	-1	1474.3	7.2	1.3	0.0	1481.5	1	
1E	0	20547	-6	4	0	1	-1	1478.2	7.2	1.3	0.0	1485.4	1	
1I	0	20439	-7	4	0	1	-1	1470.5	7.1	1.3	0.0	1477.5	1	
1M	0	20601	-7	4	0	1	-1	1482.1	7.1	1.3	0.0	1489.1	1	
2	0	26410	-8	10	0	1	-1	1900.0	8.6	2.0	0.0	1908.6	1	
3	0	15350	-5	6	0	1	-0	1104.3	4.8	1.2	0.0	1109.1	1	
4	0	14570	-5	6	0	1	-0	1048.2	4.8	1.3	0.0	1053.0	1	
5	0	15290	-5	6	0	1	-0	1100.0	4.9	1.2	0.0	1104.9	1	
6	0	33570	-9	8	0	1	-1	2415.1	12.0	1.8	0.0	2427.1	6	
7	0	19270	-5	4	0	1	-1	1386.3	6.5	1.1	0.0	1392.9	1	
8	0	18980	-5	5	0	1	-1	1365.5	6.9	1.1	0.0	1372.4	1	
9	0	19800	-5	5	0	1	-1	1424.5	7.0	1.1	0.0	1431.5	1	
10	0	26620	-8	9	0	1	-1	1915.1	8.3	1.9	0.0	1923.5	1	
11	0	15360	-5	5	0	1	-0	1105.0	4.6	1.1	0.0	1109.6	1	
12	0	14420	-5	6	0	1	-0	1037.4	4.6	1.2	0.0	1042.0	1	
13	0	15300	-5	6	0	1	-0	1100.7	4.7	1.2	0.0	1105.5	1	
14	0	30570	-9	8	0	1	-1	2199.3	10.9	1.8	0.0	2210.2	1	
15	0	17300	-5	4	0	1	-1	1244.6	6.0	1.0	0.0	1250.6	1	
16	0	16650	-5	5	0	1	-1	1197.8	6.2	1.1	0.0	1204.1	1	
17	0	17730	-5	5	0	1	-1	1275.5	6.4	1.1	0.0	1282.0	1	
1A	15	20493	-8	4	0	0	-2	1474.3	11.9	1.6	0.0	1486.3	6	
1E	15	20547	-8	4	0	0	-2	1478.2	11.9	1.6	0.0	1490.1	6	
1I	15	20439	-8	4	0	0	-2	1470.5	11.6	1.7	0.0	1482.0	6	
1M	15	20601	-8	4	0	0	-2	1482.1	11.6	1.7	0.0	1493.6	6	
2	15	26410	-10	10	0	-0	-2	1900.0	13.9	2.0	0.0	1913.9	6	
3	15	15350	-6	6	0	-0	-1	1104.3	7.9	1.2	0.0	1112.2	6	
4	15	14570	-6	6	0	-0	-1	1048.2	8.2	1.3	0.0	1056.4	6	
5	15	15290	-6	6	0	-0	-1	1100.0	8.0	1.3	0.0	1108.0	6	
6	15	33570	-11	8	0	0	-3	2415.1	18.4	2.2	0.0	2433.5	6	
7	15	19270	-7	4	0	0	-2	1386.3	10.4	1.4	0.0	1396.7	6	
8	15	18980	-7	5	0	0	-2	1365.5	10.6	1.4	0.0	1376.1	6	
9	15	19800	-7	5	0	0	-2	1424.5	10.8	1.4	0.0	1435.3	6	
10	15	26620	-10	9	0	-0	-2	1915.1	13.7	2.0	0.0	1928.8	6	
11	15	15360	-6	5	0	-0	-1	1105.0	7.7	1.2	0.0	1112.7	6	
12	15	14420	-6	6	0	-0	-1	1037.4	8.0	1.2	0.0	1045.4	6	
13	15	15300	-6	6	0	-0	-1	1100.7	7.8	1.2	0.0	1108.5	6	
14	15	30570	-12	8	0	0	-3	2199.3	17.7	2.3	0.0	2217.0	6	
15	15	17300	-7	4	0	0	-2	1244.6	9.7	1.3	0.0	1254.3	6	
16	15	16650	-7	5	0	-0	-2	1197.8	9.9	1.4	0.0	1207.7	6	
17	15	17730	-7	5	0	0	-2	1275.5	10.1	1.4	0.0	1285.6	6	
1A	30	20493	-10	4	0	-0	-3	1474.3	20.4	2.0	0.0	1494.8	6	
1E	30	20547	-10	4	0	-0	-3	1478.2	20.4	2.0	0.0	1498.6	6	
1I	30	20439	-10	4	0	-0	-3	1470.5	20.1	2.0	0.0	1490.6	6	
1M	30	20601	-10	4	0	-0	-3	1482.1	20.1	2.0	0.0	1502.2	6	
2	30	26410	-12	10	0	-2	-4	1900.0	27.9	2.5	0.0	1927.9	6	
3	30	15350	-7	6	0	-1	-2	1104.3	16.3	1.5	0.0	1120.6	6	
4	30	14570	-8	6	0	-1	-2	1048.2	16.8	1.5	0.0	1065.0	6	
5	30	15290	-8	6	0	-1	-2	1100.0	16.6	1.5	0.0	1116.6	6	
6	30	33570	-13	8	0	-1	-5	2415.1	32.0	2.7	0.0	2447.1	6	
7	30	19270	-8	4	0	-1	-3	1386.3	18.4	1.7	0.0	1404.7	6	
8	30	18980	-8	5	0	-1	-3	1365.5	19.5	1.7	0.0	1384.9	6	
9	30	19800	-8	5	0	-1	-3	1424.5	19.3	1.7	0.0	1443.7	6	
10	30	26620	-12	9	0	-2	-4	1915.1	27.5	2.5	0.0	1942.6	6	
11	30	15360	-7	5	0	-1	-2	1105.0	16.0	1.5	0.0	1121.0	6	
12	30	14420	-7	6	0	-1	-2	1037.4	16.5	1.5	0.0	1053.9	6	
13	30	15300	-8	6	0	-1	-2	1100.7	16.2	1.5	0.0	1117.0	6	
14	30	30570	-14	8	0	-1	-5	2199.3	31.7	2.8	0.0	2230.9	6	
15	30	17300	-8	4	0	-1	-3	1244.6	17.6	1.6	0.0	1262.2	6	
16	30	16650	-8	5	0	-1	-3	1197.8	18.6	1.6	0.0	1216.5	6	
17	30	17730	-8	5	0	-1	-3	1275.5	18.3	1.7	0.0	1293.8	6	

ASTA NUM. 60 NI 181 NF 171 Lungh. 42.8 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-287	0	2	0	0	0	20.6	3.3	0.4	0.0	23.9	1	
1E	0	-258	0	2	0	0	0	18.6	3.3	0.4	0.0	21.8	1	
1I	0	-277	0	1	0	0	0	19.9	2.6	0.3	0.0	22.6	6	
1M	0	-268	0	1	0	0	0	19.3	2.6	0.3	0.0	21.9	6	
2	0	-505	1	1	0	0	0	36.4	2.7	0.3	0.0	39.1	6	
3	0	786	0	1	0	0	0	56.6	1.5	0.2	0.0	58.0	6	
4	0	-848	0	1	0	0	0	61.0	1.9	0.2	0.0	62.9	6	
5	0	-190	1	1	0	0	0	13.6	1.6	0.2	0.0	15.3	6	
6	0	-426	0	2	0	0	1	30.7	3.7	0.3	0.0	34.4	6	
7	0	1258	0	1	0	0	0	90.5	2.0	0.2	0.0	92.5	6	
8	0	-785	-0	1	0	0	0	56.5	2.6	0.2	0.0	59.0	6	

9	0	-140	0	1	0	0	0	10.1	2.2	0.2	0.0	12.3	6
10	0	-151	1	1	0	0	0	10.9	1.4	0.3	0.0	12.3	1
11	0	978	1	1	0	0	0	70.3	0.9	0.2	0.0	71.3	1
12	0	-791	1	1	0	0	0	56.9	1.1	0.2	0.0	57.9	1
13	0	225	1	1	0	0	0	16.2	0.8	0.2	0.0	17.1	1
14	0	-182	1	1	0	0	0	13.1	1.5	0.3	0.0	14.6	1
15	0	1401	1	1	0	0	0	100.8	1.0	0.2	0.0	101.8	1
16	0	-964	0	1	0	0	0	69.3	1.2	0.2	0.0	70.5	1
17	0	387	1	1	0	0	0	27.8	0.9	0.2	0.0	28.7	1
1A	21	-287	-2	2	0	-0	0	20.6	1.0	0.4	0.0	21.6	6
1E	21	-258	-2	2	0	-0	0	18.6	1.0	0.4	0.0	19.5	6
1I	21	-277	-2	1	0	-0	0	19.9	1.0	0.4	0.0	21.0	6
1M	21	-268	-2	1	0	-0	0	19.3	1.0	0.4	0.0	20.3	6
2	21	-505	-3	1	0	-0	0	36.4	1.1	0.5	0.0	37.4	6
3	21	786	-2	1	0	-0	0	56.6	0.5	0.3	0.0	57.0	6
4	21	-848	-2	1	0	-0	0	61.0	0.7	0.4	0.0	61.7	1
5	21	-190	-1	1	0	-0	0	13.6	0.8	0.3	0.0	14.4	6
6	21	-426	-3	2	0	-0	0	30.7	1.4	0.6	0.0	32.0	6
7	21	1258	-2	1	0	-0	0	90.5	0.6	0.4	0.0	91.1	6
8	21	-785	-2	1	0	-0	0	56.5	0.8	0.5	0.0	57.3	1
9	21	-140	-2	1	0	-0	0	10.1	1.0	0.4	0.0	11.1	6
10	21	-151	-2	1	0	-0	0	10.9	0.7	0.4	0.0	11.6	1
11	21	978	-1	1	0	-0	0	70.3	0.3	0.2	0.0	70.6	1
12	21	-791	-1	1	0	-0	0	56.9	0.6	0.3	0.0	57.5	1
13	21	225	-1	1	0	-0	0	16.2	0.4	0.2	0.0	16.6	1
14	21	-182	-2	1	0	-0	0	13.1	0.8	0.5	0.0	13.9	1
15	21	1401	-1	1	0	-0	-0	100.8	0.4	0.3	0.0	101.2	1
16	21	-964	-2	1	0	-0	-0	69.3	0.7	0.3	0.0	70.1	1
17	21	387	-1	1	0	-0	0	27.8	0.4	0.2	0.0	28.2	1
1A	43	-287	-4	2	0	-0	-1	20.6	4.5	0.9	0.0	25.1	6
1E	43	-258	-4	2	0	-0	-1	18.6	4.5	0.9	0.0	23.1	6
1I	43	-277	-4	1	0	-0	-1	19.9	4.2	0.9	0.0	24.1	6
1M	43	-268	-4	1	0	-0	-1	19.3	4.2	0.9	0.0	23.4	6
2	43	-505	-6	1	0	-0	-1	36.4	5.8	1.2	0.0	42.2	6
3	43	786	-4	1	0	-0	-0	56.6	3.6	0.7	0.0	60.2	6
4	43	-848	-4	1	0	-0	-1	61.0	4.1	0.8	0.0	65.1	6
5	43	-190	-4	1	0	-0	-0	13.6	3.2	0.7	0.0	16.9	6
6	43	-426	-6	2	0	-0	-1	30.7	6.3	1.3	0.0	37.0	6
7	43	1258	-4	1	0	-0	-1	90.5	3.9	0.8	0.0	94.4	6
8	43	-785	-4	1	0	-0	-1	56.5	4.6	0.9	0.0	61.1	6
9	43	-140	-4	1	0	-0	-0	10.1	3.5	0.8	0.0	13.5	6
10	43	-151	-5	1	0	-0	-1	10.9	5.7	1.1	0.0	16.5	6
11	43	978	-3	1	0	-0	-0	70.3	3.5	0.7	0.0	73.8	6
12	43	-791	-4	1	0	-0	-1	56.9	4.0	0.7	0.0	60.9	6
13	43	225	-3	1	0	-0	-0	16.2	3.1	0.6	0.0	19.3	6
14	43	-182	-6	1	0	-0	-1	13.1	6.4	1.2	0.0	19.5	6
15	43	1401	-3	1	0	-0	-1	100.8	3.8	0.7	0.0	104.6	6
16	43	-964	-4	1	0	-0	-1	69.3	4.5	0.8	0.0	73.9	6
17	43	387	-3	1	0	-0	-0	27.8	3.4	0.7	0.0	31.2	6

ASTA NUM. 61 NI 172 NF 181 Lungh. 42.8 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-476	2	1	0	0	0	34.2	2.0	0.5	0.0	36.2	1	
1E	0	-447	2	1	0	0	0	32.2	2.0	0.5	0.0	34.2	1	
1I	0	-466	2	0	0	0	0	33.6	1.6	0.5	0.0	35.1	6	
1M	0	-457	2	0	0	0	0	32.9	1.6	0.5	0.0	34.5	6	
2	0	-630	3	-0	0	0	0	45.3	1.5	0.6	0.0	46.8	6	
3	0	455	2	-0	0	0	0	32.7	0.3	0.4	0.0	33.0	6	
4	0	-943	2	-0	0	-0	0	67.9	0.4	0.5	0.0	68.3	1	
5	0	-182	2	-0	0	0	0	13.1	1.1	0.4	0.0	14.2	6	
6	0	-738	3	-0	0	0	0	53.1	2.7	0.6	0.0	55.7	6	
7	0	666	2	-0	0	0	0	47.9	0.7	0.4	0.0	48.7	6	
8	0	-997	2	-0	0	-0	0	71.7	0.7	0.5	0.0	72.4	6	
9	0	-201	2	-0	0	0	0	14.5	2.0	0.4	0.0	16.5	6	
10	0	-418	2	-0	0	0	0	30.1	2.1	0.5	0.0	32.2	6	
11	0	558	2	-0	0	0	0	40.1	0.7	0.3	0.0	40.8	6	
12	0	-975	2	-0	0	-0	0	70.2	0.6	0.4	0.0	70.8	6	
13	0	117	1	-0	0	0	0	8.4	1.4	0.3	0.0	9.8	6	
14	0	-493	2	-0	0	0	0	35.5	2.6	0.5	0.0	38.1	6	
15	0	810	2	-0	0	0	0	58.3	0.7	0.3	0.0	59.0	6	
16	0	-1176	2	-0	0	-0	0	84.6	0.8	0.3	0.0	85.4	6	
17	0	282	1	0	0	0	0	20.3	1.8	0.3	0.0	22.1	6	
1A	21	-476	-0	1	0	0	0	34.2	2.9	0.2	0.0	37.1	6	
1E	21	-447	-0	1	0	0	0	32.2	2.9	0.2	0.0	35.1	6	
1I	21	-466	-0	0	0	0	0	33.6	2.9	0.0	0.0	36.5	6	
1M	21	-457	-0	0	0	0	0	32.9	2.9	0.0	0.0	35.8	6	
2	21	-630	-0	-0	0	0	1	45.3	3.6	0.0	0.0	48.9	6	
3	21	455	0	-0	0	0	0	32.7	1.9	0.1	0.0	34.6	6	
4	21	-943	0	-0	0	0	0	67.9	1.9	0.1	0.0	69.8	6	
5	21	-182	-0	-0	0	0	0	13.1	2.3	0.0	0.0	15.4	6	
6	21	-738	-0	-0	0	0	1	53.1	4.5	0.1	0.0	57.5	6	
7	21	666	0	-0	0	0	0	47.9	2.3	0.1	0.0	50.2	6	
8	21	-997	0	-0	0	0	0	71.7	2.4	0.1	0.0	74.1	6	
9	21	-201	-0	-0	0	0	0	14.5	2.9	0.1	0.0	17.4	6	
10	21	-418	-1	-0	0	0	0	30.1	3.1	0.2	0.0	33.2	6	
11	21	558	-0	-0	0	0	0	40.1	1.6	0.1	0.0	41.7	6	
12	21	-975	-0	-0	0	0	0	70.2	1.6	0.1	0.0	71.8	6	
13	21	117	-1	-0	0	0	0	8.4	2.0	0.1	0.0	10.4	6	
14	21	-493	-1	-0	0	0	1	35.5	3.4	0.2	0.0	38.9	6	
15	21	810	-0	-0	0	0	0	58.3	1.6	0.1	0.0	59.8	6	
16	21	-1176	-0	-0	0	0	0	84.6	1.7	0.1	0.0	86.3	6	
17	21	282	-1	0	0	0	0	20.3	2.1	0.2	0.0	22.4	6	
1A	43	-476	-2	1	0	-0	0	34.2	1.3	0.5	0.0	35.6	6	
1E	43	-447	-2	1	0	-0	0	32.2	1.3	0.5	0.0	33.5	6	
1I	43	-466	-2	0	0	0	0	33.6	1.2	0.5	0.0	34.7	6	
1M	43	-457	-2	0	0	0	0	32.9	1.2	0.5	0.0	34.0	6	
2	43	-630	-3	-0	0	0	0	45.3	1.3	0.7	0.0	46.6	1	
3	43	455	-2	-0	0	0	0	32.7	1.0	0.4	0.0	33.8	1	
4	43	-943	-2	-0	0	0	0	67.9	1.1	0.4	0.0	69.0	6	
5	43	-182	-2	-0	0	0	0	13.1	0.8	0.4	0.0	13.9	1	
6	43	-738	-4	-0	0	0	0	53.1	1.9	0.7	0.0	55.0	6	
7	43	666	-2	-0	0	0	0	47.9	1.3	0.4	0.0	49.2	1	
8	43	-997	-2	-0	0	0	0	71.7	1.5	0.4	0.0	73.2	6	
9	43	-201	-2	-0	0	0	0	14.5	1.2	0.5	0.0	15.7	6	
10	43	-418	-4	-0	0	0	-0	30.1	1.0	0.9	0.0	31.1	1	
11	43	558	-2	-0	0	0	-0	40.1	0.9	0.5	0.0	41.0	1	
12	43	-975	-2	-0	0	0	-0	70.2	0.7	0.5	0.0	70.9	1	
13	43	117	-3	-0	0	0	-0	8.4	0.7	0.5	0.0	9.1	1	
14	43	-493	-5	-0	0	0	-0	35.5	1.0	0.9	0.0	36.5	1	
15	43	810	-3	-0	0	0	-0	58.3	1.0	0.5	0.0	59.3	1	
16	43	-1176	-2	-0	0	0	-0	84.6	0.7	0.5	0.0	85.3	1	
17	43	282	-3	0	0	0	-0	20.3	0.7	0.6	0.0	21.0	6	

ASTA NUM. 62 NI 170 NF 192 Lungh. 55.6 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	20397	4	-1	0	0	-1	1467.4	8.6	0.8	0.0	1476.1	6	
1E	0	20463	4	-1	0	0	-1	1472.1	8.6	0.8	0.0	1480.8	6	
1I	0	20346	4	-1	0	0	-1	1463.8	8.5	0.8	0.0	1472.2	6	
1M	0	20514	4	-1	0	0	-1	1475.8	8.5	0.8	0.0	1484.3	6	
2	0	26390	7	-2	0	-0	-2	1898.6	12.7	1.3	0.0	1911.2	6	
3	0	15170	4	-1	0	-0	-1	1091.4	7.8	0.9	0.0	1099.2	6	
4	0	14550	4	-1	0	0	-1	1046.8	7.7	0.9	0.0	1054.5	6	
5	0	15330	4	-1	0	-0	-1	1102.9	7.4	0.8	0.0	1110.3	6	
6	0	33430	6	-2	0	-0	-2	2405.0	13.0	1.1	0.0	2418.0	6	
7	0	18920	4	-1	0	-0	-1	1361.2	8.0	0.7	0.0	1369.1	6	
8	0	18890	4	-1	0	0	-1	1359.0	8.0	0.7	0.0	1367.0	6	
9	0	19800	3	-1	0	-0	-1	1424.5	7.6	0.7	0.0	1432.0	6	
10	0	26520	7	-2	0	-0	-2	1907.9	12.8	1.3	0.0	1920.8	6	
11	0	15130	4	-1	0	-0	-1	1088.5	7.9	0.9	0.0	1096.4	6	
12	0	14340	4	-1	0	0	-1	1031.7	7.8	0.9	0.0	1039.5	6	
13	0	15270	4	-1	0	-0	-1	1098.6	7.5	0.9	0.0	1106.1	6	
14	0	30450	6	-2	0	-0	-2	2190.6	13.4	1.3	0.0	2204.0	6	
15	0	16960	4	-1	0	-0	-1	1220.1	7.9	0.8	0.0	1228.0	6	
16	0	16550	4	-1	0	0	-1	1190.6	7.9	0.8	0.0	1198.6	6	
17	0	17710	4	-1	0	-0	-1	1274.1	7.5	0.7	0.0	1281.6	6	
1A	28	20397	1	-1	0	0	-1	1467.4	5.1	0.2	0.0	1472.5	6	
1E	28	20463	1	-1	0	0	-1	1472.1	5.1	0.2	0.0	1477.2	6	
1I	28	20346	1	-1	0	0	-1	1463.8	5.0	0.3	0.0	1468.8	6	
1M	28	20514	1	-1	0	0	-1	1475.8	5.0	0.3	0.0	1480.8	6	
2	28	26390	2	-2	0	1	-1	1898.6	6.1	0.5	0.0	1904.7	6	
3	28	15170	2	-1	0	0	-0	1091.4	3.3	0.3	0.0	1094.7	6	
4	28	14550	2	-1	0	0	-0	1046.8	3.4	0.3	0.0	1050.2	6	
5	28	15330	1	-1	0	0	-0	1102.9	3.2	0.3	0.0	1106.1	6	
6	28	33430	1	-2	0	1	-1	2405.0	8.6	0.5	0.0	2413.6	6	
7	28	18920	1	-1	0	0	-1	1361.2	4.6	0.3	0.0	1365.8	6	
8	28	18890	1	-1	0	0	-1	1359.0	5.0	0.3	0.0	1364.0	6	
9	28	19800	1	-1	0	0	-1	1424.5	4.8	0.3	0.0	1429.2	6	
10	28	26520	2	-2	0	0	-1	1907.9	6.1	0.5	0.0	1914.0	6	
11	28	15130	2	-1	0	0	-0	1088.5	3.3	0.3	0.0	1091.8	6	
12	28	14340	2	-1	0	0	-0	1031.7	3.3	0.3	0.0	1035.0	6	
13	28	15270	2	-1	0	0	-0	1098.6	3.2	0.3	0.0	1101.8	6	
14	28	30450	2	-2	0	1	-1	2190.6	7.9	0.5	0.0	2198.5	6	
15	28	16960	1	-1	0	0	-1	1220.1	4.3	0.3	0.0	1224.4	6	

16	28	16550	1	-1	0	0	-1	1190.6	4.6	0.2	0.0	1195.2	6
17	28	17710	1	-1	0	0	-1	1274.1	4.4	0.3	0.0	1278.5	6
1A	56	20397	-2	-1	0	1	-1	1467.4	6.8	0.4	0.0	1474.2	6
1E	56	20463	-2	-1	0	1	-1	1472.1	6.8	0.4	0.0	1478.9	6
1I	56	20346	-2	-1	0	1	-1	1463.8	6.9	0.4	0.0	1470.6	6
1M	56	20514	-2	-1	0	1	-1	1475.8	6.9	0.4	0.0	1482.7	6
2	56	26390	-2	-2	0	1	-1	1898.6	8.3	0.4	0.0	1906.8	1
3	56	15170	-1	-1	0	1	-0	1091.4	4.6	0.2	0.0	1096.0	1
4	56	14550	-1	-1	0	1	-0	1046.8	4.6	0.2	0.0	1051.4	1
5	56	15330	-1	-1	0	1	-0	1102.9	4.7	0.2	0.0	1107.6	1
6	56	33430	-3	-2	0	1	-1	2405.0	11.7	0.6	0.0	2416.7	6
7	56	18920	-2	-1	0	1	-1	1361.2	6.4	0.3	0.0	1367.5	1
8	56	18890	-2	-1	0	1	-1	1359.0	6.7	0.3	0.0	1365.7	1
9	56	19800	-2	-1	0	1	-1	1424.5	6.8	0.4	0.0	1431.2	1
10	56	26520	-2	-2	0	1	-1	1907.9	8.1	0.4	0.0	1916.0	1
11	56	15130	-1	-1	0	1	-0	1088.5	4.5	0.2	0.0	1093.0	1
12	56	14340	-1	-1	0	1	-0	1031.7	4.4	0.2	0.0	1036.0	1
13	56	15270	-1	-1	0	1	-0	1098.6	4.5	0.2	0.0	1103.1	1
14	56	30450	-3	-2	0	1	-1	2190.6	10.6	0.6	0.0	2201.2	1
15	56	16960	-2	-1	0	1	-1	1220.1	5.9	0.3	0.0	1226.0	1
16	56	16550	-2	-1	0	1	-1	1190.6	6.0	0.3	0.0	1196.6	1
17	56	17710	-2	-1	0	1	-1	1274.1	6.2	0.3	0.0	1280.3	1

ASTA NUM. 63 NI 193 NF 170 Lungh. 24.4 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	9939	-7	-0	0	-0	0	715.0	1.3	1.4	0.0	716.4	1	
1E	0	9981	-7	-0	0	-0	0	718.1	1.3	1.4	0.0	719.4	1	
1I	0	9917	-7	-1	0	-0	0	713.5	2.0	1.4	0.0	715.5	1	
1M	0	10003	-7	-1	0	-0	0	719.6	2.0	1.4	0.0	721.6	1	
2	0	12730	-9	-2	0	-0	0	915.8	3.0	1.9	0.0	918.8	1	
3	0	7979	-6	-1	0	-0	0	574.0	2.0	1.2	0.0	576.0	1	
4	0	6744	-6	-1	0	-0	0	485.2	1.9	1.2	0.0	487.1	1	
5	0	7400	-6	-1	0	-0	0	532.4	1.8	1.2	0.0	534.2	1	
6	0	16310	-10	-3	0	-1	0	1173.4	3.3	2.0	0.0	1176.7	1	
7	0	10180	-6	-2	0	-0	0	732.4	2.2	1.2	0.0	734.6	1	
8	0	8966	-6	-1	0	-0	0	645.0	2.2	1.2	0.0	647.2	1	
9	0	9650	-6	-2	0	-0	0	694.2	2.0	1.2	0.0	696.2	1	
10	0	13020	-9	-2	0	-0	0	936.7	2.8	1.9	0.0	939.5	1	
11	0	8089	-6	-1	0	-0	0	581.9	1.9	1.2	0.0	583.8	1	
12	0	6696	-6	-1	0	-0	0	481.7	1.7	1.2	0.0	483.5	1	
13	0	7630	-6	-1	0	-0	0	548.9	1.7	1.2	0.0	550.7	1	
14	0	14950	-10	-2	0	-0	0	1075.5	3.2	2.1	0.0	1078.8	1	
15	0	9279	-6	-1	0	-0	0	667.6	2.1	1.2	0.0	669.6	1	
16	0	7706	-6	-1	0	-0	0	554.4	1.9	1.2	0.0	556.3	1	
17	0	8906	-6	-1	0	-0	0	640.7	1.9	1.2	0.0	642.6	1	
1A	12	9939	-8	-0	0	-0	-1	715.0	5.2	1.7	0.0	720.2	6	
1E	12	9981	-8	-0	0	-0	-1	718.1	5.2	1.7	0.0	723.2	6	
1I	12	9917	-8	-1	0	-0	-1	713.5	5.1	1.7	0.0	718.6	6	
1M	12	10003	-8	-1	0	-0	-1	719.6	5.1	1.7	0.0	724.7	6	
2	12	12730	-11	-2	0	-0	-1	915.8	7.4	2.3	0.0	923.3	6	
3	12	7979	-7	-1	0	-0	-1	574.0	4.4	1.4	0.0	578.4	6	
4	12	6744	-7	-1	0	-0	-1	485.2	4.5	1.4	0.0	489.6	6	
5	12	7400	-7	-1	0	-0	-1	532.4	4.1	1.4	0.0	536.5	6	
6	12	16310	-12	-3	0	-0	-1	1173.4	8.6	2.4	0.0	1182.0	6	
7	12	10180	-7	-2	0	-0	-1	732.4	4.9	1.4	0.0	737.3	6	
8	12	8966	-7	-1	0	-0	-1	645.0	5.2	1.4	0.0	650.3	6	
9	12	9650	-7	-2	0	-0	-1	694.2	4.8	1.5	0.0	699.1	6	
10	12	13020	-11	-2	0	-0	-1	936.7	7.4	2.3	0.0	944.1	6	
11	12	8089	-7	-1	0	-0	-1	581.9	4.3	1.4	0.0	586.3	6	
12	12	6696	-7	-1	0	-0	-1	481.7	4.4	1.4	0.0	486.1	6	
13	12	7630	-7	-1	0	-0	-1	548.9	4.1	1.4	0.0	553.0	6	
14	12	14950	-12	-2	0	-0	-1	1075.5	8.1	2.5	0.0	1083.7	6	
15	12	9279	-7	-1	0	-0	-1	667.6	4.6	1.4	0.0	672.2	6	
16	12	7706	-7	-1	0	-0	-1	554.4	4.8	1.4	0.0	559.2	6	
17	12	8906	-7	-1	0	-0	-1	640.7	4.5	1.4	0.0	645.2	6	
1A	24	9939	-10	-0	0	-0	-2	715.0	11.8	1.9	0.0	726.8	6	
1E	24	9981	-10	-0	0	-0	-2	718.1	11.8	1.9	0.0	729.9	6	
1I	24	9917	-10	-1	0	0	-2	713.5	11.7	1.9	0.0	725.2	6	
1M	24	10003	-10	-1	0	0	-2	719.6	11.7	1.9	0.0	731.3	6	
2	24	12730	-13	-2	0	0	-3	915.8	16.6	2.7	0.0	932.4	6	
3	24	7979	-8	-1	0	0	-2	574.0	9.9	1.6	0.0	583.9	6	
4	24	6744	-8	-1	0	0	-2	485.2	9.9	1.6	0.0	495.1	6	
5	24	7400	-8	-1	0	0	-2	532.4	9.9	1.7	0.0	542.2	6	
6	24	16310	-14	-3	0	0	-3	1173.4	18.0	2.8	0.0	1191.3	6	
7	24	10180	-8	-2	0	0	-2	732.4	10.5	1.7	0.0	742.9	6	
8	24	8966	-8	-1	0	0	-2	645.0	10.8	1.7	0.0	655.8	6	
9	24	9650	-8	-2	0	0	-2	694.2	10.7	1.7	0.0	705.0	6	
10	24	13020	-13	-2	0	0	-3	936.7	16.6	2.7	0.0	953.3	6	
11	24	8089	-8	-1	0	0	-2	581.9	9.9	1.6	0.0	591.8	6	
12	24	6696	-8	-1	0	0	-2	481.7	9.9	1.6	0.0	491.6	6	
13	24	7630	-8	-1	0	0	-2	548.9	9.8	1.7	0.0	558.8	6	
14	24	14950	-14	-2	0	0	-3	1075.5	18.0	2.9	0.0	1093.6	6	
15	24	9279	-8	-1	0	0	-2	667.6	10.2	1.7	0.0	677.8	6	
16	24	7706	-8	-1	0	0	-2	554.4	10.3	1.7	0.0	564.7	6	
17	24	8906	-8	-1	0	0	-2	640.7	10.3	1.7	0.0	651.0	6	

ASTA NUM. 64 NI 171 NF 193 Lungh. 61.2 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	10124	4	1	0	0	-0	728.3	1.0	0.8	0.0	729.3	6	
1E	0	10176	4	1	0	0	-0	732.1	1.0	0.8	0.0	733.1	6	
1I	0	10104	4	0	0	-0	-0	726.9	1.0	0.8	0.0	728.0	6	
1M	0	10196	4	0	0	-0	-0	733.5	1.0	0.8	0.0	734.5	6	
2	0	13090	5	0	0	-0	-0	941.7	2.2	1.1	0.0	943.9	6	
3	0	7929	3	0	0	-0	-0	570.4	1.7	0.7	0.0	572.1	6	
4	0	6911	4	0	0	-0	-0	497.2	1.8	0.7	0.0	499.0	6	
5	0	7693	3	0	0	-0	-0	553.5	1.1	0.7	0.0	554.6	6	
6	0	16630	5	1	0	-0	-0	1196.4	1.7	1.0	0.0	1198.1	1	
7	0	9958	3	0	0	-0	-0	716.4	1.5	0.7	0.0	717.9	6	
8	0	9095	3	0	0	-0	-0	654.3	1.7	0.7	0.0	656.0	6	
9	0	9968	3	0	0	-0	-0	717.1	0.9	0.6	0.0	718.1	1	
10	0	13270	5	0	0	-0	-0	954.7	2.1	1.1	0.0	956.7	6	
11	0	7970	3	0	0	-0	-0	573.4	1.6	0.7	0.0	575.0	6	
12	0	6807	3	0	0	-0	-0	489.7	1.8	0.7	0.0	491.5	6	
13	0	7819	3	0	0	-0	-0	562.5	1.1	0.7	0.0	563.6	6	
14	0	15240	6	0	0	-0	-0	1096.4	2.2	1.1	0.0	1098.6	6	
15	0	9038	3	0	0	-0	-0	650.2	1.8	0.7	0.0	652.0	6	
16	0	7840	3	0	0	-0	-0	564.0	1.9	0.7	0.0	565.9	6	
17	0	9145	3	0	0	-0	-0	657.9	1.1	0.7	0.0	659.0	1	
1A	31	10124	0	1	0	-0	0	728.3	3.6	0.2	0.0	731.9	6	
1E	31	10176	0	1	0	-0	0	732.1	3.6	0.2	0.0	735.7	6	
1I	31	10104	0	0	0	-0	0	726.9	3.6	0.1	0.0	730.5	6	
1M	31	10196	0	0	0	-0	0	733.5	3.6	0.1	0.0	737.1	6	
2	31	13090	1	0	0	-0	1	941.7	4.8	0.1	0.0	946.5	6	
3	31	7929	1	0	0	-0	0	570.4	2.9	0.1	0.0	573.4	6	
4	31	6911	1	0	0	-0	0	497.2	2.8	0.1	0.0	500.0	6	
5	31	7693	0	0	0	-0	0	553.5	3.3	0.1	0.0	556.7	6	
6	31	16630	0	1	0	-0	1	1196.4	4.8	0.1	0.0	1201.2	6	
7	31	9958	0	0	0	-0	0	716.4	2.9	0.1	0.0	719.3	6	
8	31	9095	0	0	0	-0	0	654.3	2.8	0.1	0.0	657.1	6	
9	31	9968	0	0	0	-0	0	717.1	3.3	0.1	0.0	720.4	6	
10	31	13270	1	0	0	-0	1	954.7	4.8	0.1	0.0	959.5	6	
11	31	7970	1	0	0	-0	0	573.4	3.0	0.1	0.0	576.3	6	
12	31	6807	1	0	0	-0	0	489.7	2.9	0.1	0.0	492.6	6	
13	31	7819	0	0	0	-0	0	562.5	3.3	0.1	0.0	565.8	6	
14	31	15240	1	0	0	-0	1	1096.4	5.2	0.1	0.0	1101.6	6	
15	31	9038	1	0	0	-0	0	650.2	2.9	0.1	0.0	653.1	6	
16	31	7840	0	0	0	-0	0	564.0	2.7	0.1	0.0	566.8	6	
17	31	9145	0	0	0	-0	0	657.9	3.2	0.1	0.0	661.1	6	
1A	61	10124	-3	1	0	-0	0	728.3	3.2	0.6	0.0	731.5	1	
1E	61	10176	-3	1	0	-0	0	732.1	3.2	0.6	0.0	735.2	1	
1I	61	10104	-3	0	0	-0	0	726.9	2.5	0.6	0.0	729.4	1	
1M	61	10196	-3	0	0	-0	0	733.5	2.5	0.6	0.0	736.0	1	
2	61	13090	-4	0	0	-0	0	941.7	2.9	0.8	0.0	944.7	1	
3	61	7929	-2	0	0	-0	0	570.4	1.9	0.5	0.0	572.4	1	
4	61	6911	-2	0	0	-0	0	497.2	1.9	0.5	0.0	499.1	1	
5	61	7693	-2	0	0	-0	0	553.5	1.8	0.5	0.0	555.3	1	
6	61	16630	-4	1	0	-1	0	1196.4	3.3	0.9	0.0	1199.7	1	
7	61	9958	-3	0	0	-0	0	716.4	2.2	0.5	0.0	718.6	1	
8	61	9095	-3	0	0	-0	0	654.3	2.2	0.5	0.0	656.5	1	
9	61	9968	-3	0	0	-0	0	717.1	2.0	0.5	0.0	719.1	1	
10	61	13270	-4	0	0	-0	0	954.7	2.8	0.8	0.0	957.4	1	
11	61	7970	-2	0	0	-0	0	573.4	1.8	0.5	0.0	575.2	1	
12	61	6807	-2	0	0	-0	0	489.7	1.7	0.5	0.0	491.4	1	
13	61	7819	-2	0	0	-0	0	562.5	1.7	0.5	0.0	564.2	1	
14	61	15240	-4	0	0	-0	0	1096.4	3.2	0.9	0.0	1099.6	1	
15	61	9038	-2	0	0	-0	0	650.2	2.0	0.5	0.0	652.3	1	
16	61	7840	-2	0	0	-0	0	564.0	1.9	0.5	0.0	565.9	1	
17	61	9145	-3	0	0	-0	0	657.9	1.9	0.5	0.0	659.8	1	

ASTA NUM. 65 NI 196 NF 173 Lungh. 55.6 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-16643	-1	-1	0	-1	2	1197.3	13.4	0.2	0.0	1210.7	6	
1E	0	-16577	-1	-1	0	-1	2	1192.6	13.4	0.2	0.0	1206.0	6	
1I	0	-16694	-1	-1	0	-1	2	1201.0	13.5	0.3	0.0	1214.5	6	
1M	0	-16526	-1	-1	0	-1	2	1188.9	13.5	0.3	0.0	1202.4	6	
2	0	-23040	0	-2	0	-1	2	1657.6	15.6	0.4	0.0	1673.2	6	
3	0	-11090	0	-1	0	-0	1	797.8	7.6	0.2	0.0	805.5	6	
4	0	-13280	0	-1	0	-1	1	955.4	8.9	0.2	0.0	964.3	6	
5	0	-12910	0	-1	0	-1	1	928.8	9.6	0.2	0.0	938.4	6	
6	0	-27780	-1	-2	0	-1	3	1998.6	20.6	0.5	0.0	2019.2	6	
7	0	-12690	-0	-1	0	-0	1	912.9	9.9	0.2	0.0	922.8	6	
8	0	-16140	-1	-1	0	-1	2	1161.2	11.9	0.3	0.0	1173.1	6	
9	0	-15900	-1	-2	0	-1	2	1143.9	12.9	0.3	0.0	1156.8	6	
10	0	-26750	0	-2	0	-1	2	1924.5	17.2	0.4	0.0	1941.7	6	
11	0	-13350	0	-1	0	-0	1	960.4	8.6	0.2	0.0	969.1	6	
12	0	-15890	0	-1	0	-1	1	1143.2	10.1	0.3	0.0	1153.2	6	
13	0	-14720	0	-1	0	-1	1	1059.0	10.4	0.3	0.0	1069.4	6	
14	0	-30760	-1	-2	0	-1	3	2212.9	21.9	0.5	0.0	2234.9	6	
15	0	-14490	-0	-1	0	-0	1	1042.4	10.4	0.2	0.0	1052.8	6	
16	0	-18470	-1	-2	0	-1	2	1328.8	12.7	0.3	0.0	1341.5	6	
17	0	-16830	-1	-2	0	-1	2	1210.8	13.0	0.3	0.0	1223.8	6	
1A	28	-16643	-4	-1	0	-0	1	1197.3	9.0	0.7	0.0	1206.3	6	
1E	28	-16577	-4	-1	0	-0	1	1192.6	9.0	0.7	0.0	1201.6	6	
1I	28	-16694	-4	-1	0	-0	1	1201.0	9.0	0.7	0.0	1209.9	6	
1M	28	-16526	-4	-1	0	-0	1	1188.9	9.0	0.7	0.0	1197.9	6	
2	28	-23040	-4	-2	0	-0	2	1657.6	11.1	0.8	0.0	1668.7	6	
3	28	-11090	-2	-1	0	-0	1	797.8	5.6	0.4	0.0	803.5	6	
4	28	-13280	-2	-1	0	-0	1	955.4	6.2	0.5	0.0	961.6	6	
5	28	-12910	-3	-1	0	-0	1	928.8	6.8	0.5	0.0	935.5	6	
6	28	-27780	-5	-2	0	-1	2	1998.6	13.9	1.0	0.0	2012.5	6	
7	28	-12690	-3	-1	0	-0	1	912.9	6.8	0.6	0.0	919.8	6	
8	28	-16140	-3	-1	0	-0	1	1161.2	7.8	0.6	0.0	1169.0	6	
9	28	-15900	-3	-2	0	-0	1	1143.9	8.6	0.7	0.0	1152.5	6	
10	28	-26750	-4	-2	0	-0	2	1924.5	12.3	0.9	0.0	1936.7	6	
11	28	-13350	-2	-1	0	-0	1	960.4	6.3	0.5	0.0	966.8	6	
12	28	-15890	-3	-1	0	-0	1	1143.2	7.0	0.5	0.0	1150.2	6	
13	28	-14720	-3	-1	0	-0	1	1059.0	7.3	0.5	0.0	1066.3	6	
14	28	-30760	-6	-2	0	-1	2	2212.9	14.6	1.1	0.0	2227.6	6	
15	28	-14490	-3	-1	0	-0	1	1042.4	7.1	0.6	0.0	1049.5	6	
16	28	-18470	-3	-2	0	-0	1	1328.8	8.3	0.7	0.0	1337.0	6	
17	28	-16830	-3	-2	0	-0	1	1210.8	8.6	0.7	0.0	1219.4	6	
1A	56	-16643	-7	-1	0	-0	-0	1197.3	1.0	1.4	0.0	1198.3	6	
1E	56	-16577	-7	-1	0	-0	-0	1192.6	1.0	1.4	0.0	1193.6	6	
1I	56	-16694	-7	-1	0	0	-0	1201.0	0.9	1.4	0.0	1201.9	6	
1M	56	-16526	-7	-1	0	0	-0	1188.9	0.9	1.4	0.0	1189.8	6	
2	56	-23040	-8	-2	0	0	-0	1657.6	0.7	1.7	0.0	1658.3	6	
3	56	-11090	-5	-1	0	0	-0	797.8	1.0	1.0	0.0	798.8	6	
4	56	-13280	-5	-1	0	0	-0	955.4	1.1	1.0	0.0	956.5	6	
5	56	-12910	-5	-1	0	0	-0	928.8	0.7	1.1	0.0	929.5	6	
6	56	-27780	-9	-2	0	0	0	1998.6	0.4	1.9	0.0	1999.0	1	
7	56	-12690	-5	-1	0	0	-0	912.9	0.9	1.1	0.0	913.8	6	
8	56	-16140	-6	-1	0	0	-0	1161.2	0.9	1.2	0.0	1162.0	6	
9	56	-15900	-6	-2	0	0	-0	1143.9	0.5	1.2	0.0	1144.4	1	
10	56	-26750	-8	-2	0	0	0	1924.5	0.6	1.7	0.0	1925.1	1	
11	56	-13350	-5	-1	0	0	-0	960.4	0.6	1.0	0.0	961.0	1	
12	56	-15890	-5	-1	0	0	-0	1143.2	0.7	1.1	0.0	1143.8	1	
13	56	-14720	-5	-1	0	0	-0	1059.0	0.5	1.1	0.0	1059.5	1	
14	56	-30760	-10	-2	0	0	-0	2212.9	0.7	2.0	0.0	2213.6	1	
15	56	-14490	-6	-1	0	0	-0	1042.4	0.8	1.1	0.0	1043.3	6	
16	56	-18470	-6	-2	0	0	-0	1328.8	0.8	1.2	0.0	1329.5	6	
17	56	-16830	-6	-2	0	0	-0	1210.8	0.6	1.2	0.0	1211.3	1	

ASTA NUM. 66 NI 145 NF 196 Lungh. 30.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-16697	7	5	0	1	0	1201.2	5.9	1.4	0.0	1207.1	1	
1E	0	-16643	7	5	0	1	0	1197.4	5.9	1.4	0.0	1203.2	1	
1I	0	-16751	7	5	0	1	0	1205.1	6.4	1.4	0.0	1211.5	1	
1M	0	-16589	7	5	0	1	0	1193.5	6.4	1.4	0.0	1199.9	1	
2	0	-23050	11	11	0	2	-1	1658.3	15.5	2.3	0.0	1673.8	1	
3	0	-11270	7	5	0	1	-1	810.8	8.6	1.5	0.0	819.3	1	
4	0	-13310	7	6	0	1	-0	957.6	9.2	1.4	0.0	966.7	1	
5	0	-12850	7	7	0	1	-0	924.5	9.8	1.4	0.0	934.3	1	
6	0	-27880	10	9	0	2	1	2005.8	11.2	2.0	0.0	2017.0	1	
7	0	-13040	7	3	0	1	-0	938.1	3.7	1.4	0.0	941.8	1	
8	0	-16230	6	5	0	1	0	1167.6	5.7	1.3	0.0	1173.3	1	
9	0	-15870	6	6	0	1	0	1141.7	7.3	1.3	0.0	1149.0	1	
10	0	-26850	11	11	0	2	-0	1931.7	15.2	2.3	0.0	1946.8	1	
11	0	-13590	7	5	0	1	-1	977.7	8.3	1.5	0.0	986.0	1	
12	0	-15960	7	7	0	1	-0	1148.2	8.9	1.4	0.0	1157.1	1	
13	0	-14740	7	7	0	1	-0	1060.4	9.6	1.4	0.0	1070.1	1	
14	0	-30880	11	10	0	2	1	2221.6	11.7	2.2	0.0	2233.3	1	
15	0	-14850	7	3	0	1	-0	1068.3	3.5	1.3	0.0	1071.9	1	
16	0	-18560	6	5	0	1	0	1335.3	6.0	1.2	0.0	1341.3	1	
17	0	-16850	6	6	0	1	0	1212.2	7.4	1.2	0.0	1219.6	1	
1A	15	-16697	5	5	0	0	1	1201.2	7.6	1.1	0.0	1208.8	6	
1E	15	-16643	5	5	0	0	1	1197.4	7.6	1.1	0.0	1205.0	6	
1I	15	-16751	5	5	0	0	1	1205.1	8.0	1.1	0.0	1213.1	6	
1M	15	-16589	5	5	0	0	1	1193.5	8.0	1.1	0.0	1201.4	6	
2	15	-23050	9	11	0	1	1	1658.3	7.7	2.2	0.0	1665.9	6	
3	15	-11270	6	5	0	0	0	810.8	3.0	1.2	0.0	813.8	1	
4	15	-13310	6	6	0	0	0	957.6	3.9	1.3	0.0	961.5	6	
5	15	-12850	6	7	0	0	1	924.5	4.7	1.4	0.0	929.1	6	
6	15	-27880	8	9	0	0	2	2005.8	12.1	1.9	0.0	2017.9	6	
7	15	-13040	5	3	0	0	1	938.1	4.8	1.1	0.0	942.9	6	
8	15	-16230	5	5	0	0	1	1167.6	6.6	1.0	0.0	1174.2	6	
9	15	-15870	5	6	0	0	1	1141.7	7.6	1.2	0.0	1149.4	6	
10	15	-26850	9	11	0	1	1	1931.7	9.2	2.3	0.0	1940.8	6	
11	15	-13590	6	5	0	0	0	977.7	3.7	1.2	0.0	981.4	6	
12	15	-15960	5	7	0	0	1	1148.2	4.9	1.3	0.0	1153.1	6	
13	15	-14740	5	7	0	0	1	1060.4	5.4	1.4	0.0	1065.9	6	
14	15	-30880	8	10	0	0	2	2221.6	12.9	2.0	0.0	2234.4	6	
15	15	-14850	5	3	0	0	1	1068.3	5.2	1.0	0.0	1073.6	6	
16	15	-18560	5	5	0	0	1	1335.3	7.2	1.1	0.0	1342.5	6	
17	15	-16850	5	6	0	0	1	1212.2	7.8	1.2	0.0	1220.0	6	
1A	30	-16697	4	5	0	-1	2	1201.2	13.6	1.1	0.0	1214.8	6	
1E	30	-16643	4	5	0	-1	2	1197.4	13.6	1.1	0.0	1211.0	6	
1I	30	-16751	4	5	0	-1	2	1205.1	13.7	1.1	0.0	1218.7	6	
1M	30	-16589	4	5	0	-1	2	1193.5	13.7	1.1	0.0	1207.1	6	
2	30	-23050	7	11	0	-1	2	1658.3	15.8	2.2	0.0	1674.0	6	
3	30	-11270	4	5	0	-0	1	810.8	7.7	1.0	0.0	818.5	6	
4	30	-13310	4	6	0	-1	1	957.6	9.0	1.3	0.0	966.5	6	
5	30	-12850	4	7	0	-1	1	924.5	9.7	1.4	0.0	934.2	6	
6	30	-27880	5	9	0	-1	3	2005.8	20.8	1.9	0.0	2026.6	6	
7	30	-13040	4	3	0	-0	1	938.1	9.9	0.8	0.0	948.0	6	
8	30	-16230	3	5	0	-1	2	1167.6	12.0	1.0	0.0	1179.6	6	
9	30	-15870	3	6	0	-1	2	1141.7	13.1	1.2	0.0	1154.8	6	
10	30	-26850	6	11	0	-1	2	1931.7	17.4	2.3	0.0	1949.0	6	
11	30	-13590	4	5	0	-0	1	977.7	8.6	1.1	0.0	986.3	6	
12	30	-15960	4	7	0	-1	1	1148.2	10.1	1.3	0.0	1158.3	6	
13	30	-14740	4	7	0	-1	1	1060.4	10.5	1.4	0.0	1070.9	6	
14	30	-30880	6	10	0	-1	3	2221.6	22.1	2.0	0.0	2243.7	6	
15	30	-14850	4	3	0	-0	1	1068.3	10.4	0.7	0.0	1078.8	6	
16	30	-18560	3	5	0	-1	2	1335.3	12.8	1.1	0.0	1348.1	6	
17	30	-16850	3	6	0	-1	2	1212.2	13.2	1.2	0.0	1225.4	6	

ASTA NUM. 67 NI 198 NF 172 Lungh. 61.2 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-8661	1	1	0	0	1	623.1	9.8	0.2	0.0	632.9	6	
1E	0	-8609	1	1	0	0	1	619.4	9.8	0.2	0.0	629.2	6	
1I	0	-8681	1	1	0	0	1	624.5	9.6	0.1	0.0	634.1	6	
1M	0	-8589	1	1	0	0	1	617.9	9.6	0.1	0.0	627.6	6	
2	0	-12030	1	1	0	0	2	865.5	13.1	0.2	0.0	878.6	6	
3	0	-5318	1	0	0	0	1	382.6	7.3	0.1	0.0	389.9	6	
4	0	-7222	1	0	0	0	1	519.6	7.5	0.1	0.0	527.1	6	
5	0	-6696	1	0	0	0	1	481.7	8.1	0.1	0.0	489.9	6	
6	0	-14420	1	1	0	1	2	1037.4	14.3	0.2	0.0	1051.7	6	
7	0	-5926	1	0	0	0	1	426.3	7.8	0.1	0.0	434.1	6	
8	0	-8659	1	0	0	0	1	622.9	8.1	0.1	0.0	631.1	6	
9	0	-8202	1	1	0	0	1	590.1	9.0	0.1	0.0	599.1	6	
10	0	-13740	1	1	0	0	2	988.5	14.1	0.2	0.0	1002.5	6	
11	0	-6371	1	0	0	0	1	458.3	7.9	0.1	0.0	466.3	6	
12	0	-8507	0	0	0	0	1	612.0	8.2	0.1	0.0	620.2	6	
13	0	-7412	1	0	0	0	1	533.2	8.6	0.1	0.0	541.8	6	
14	0	-15810	1	1	0	1	2	1137.4	15.2	0.2	0.0	1152.6	6	
15	0	-6762	1	0	0	0	1	486.5	8.0	0.1	0.0	494.5	6	
16	0	-9914	0	0	0	0	1	713.2	8.5	0.1	0.0	721.8	6	
17	0	-8412	1	1	0	0	1	605.2	9.0	0.1	0.0	614.2	6	

1A	31	-8661	-3	1	0	0	1	623.1	7.2	0.5	0.0	630.3	6
1E	31	-8609	-3	1	0	0	1	619.4	7.2	0.5	0.0	626.6	6
1I	31	-8681	-3	1	0	0	1	624.5	7.3	0.5	0.0	631.8	6
1M	31	-8589	-3	1	0	0	1	617.9	7.3	0.5	0.0	625.2	6
2	31	-12030	-4	1	0	0	1	865.5	9.9	0.8	0.0	875.4	6
3	31	-5318	-2	0	0	0	1	382.6	5.7	0.5	0.0	388.3	6
4	31	-7222	-2	0	0	0	1	519.6	5.6	0.5	0.0	525.2	6
5	31	-6696	-2	0	0	0	1	481.7	6.3	0.5	0.0	488.1	6
6	31	-14420	-4	1	0	0	2	1037.4	10.7	0.8	0.0	1048.1	6
7	31	-5926	-2	0	0	0	1	426.3	6.0	0.5	0.0	432.3	6
8	31	-8659	-2	0	0	0	1	622.9	6.0	0.5	0.0	629.0	6
9	31	-8202	-2	1	0	0	1	590.1	6.9	0.5	0.0	597.0	6
10	31	-13740	-4	1	0	0	2	988.5	10.4	0.8	0.0	998.9	6
11	31	-6371	-2	0	0	0	1	458.3	6.0	0.5	0.0	464.3	6
12	31	-8507	-2	0	0	0	1	612.0	6.0	0.5	0.0	618.0	6
13	31	-7412	-2	0	0	0	1	533.2	6.5	0.5	0.0	539.8	6
14	31	-15810	-4	1	0	0	2	1137.4	11.2	0.9	0.0	1148.6	6
15	31	-6762	-2	0	0	0	1	486.5	6.0	0.5	0.0	492.4	6
16	31	-9914	-3	0	0	0	1	713.2	6.1	0.5	0.0	719.4	6
17	31	-8412	-2	1	0	0	1	605.2	6.8	0.5	0.0	611.9	6
1A	61	-8661	-6	1	0	-0	-0	623.1	1.8	1.2	0.0	624.8	6
1E	61	-8609	-6	1	0	-0	-0	619.4	1.8	1.2	0.0	621.1	6
1I	61	-8681	-6	1	0	-0	-0	624.5	1.5	1.2	0.0	626.0	6
1M	61	-8589	-6	1	0	-0	-0	617.9	1.5	1.2	0.0	619.4	6
2	61	-12030	-8	1	0	0	-0	865.5	2.4	1.7	0.0	867.8	6
3	61	-5318	-5	0	0	0	-0	382.6	1.7	1.0	0.0	384.3	6
4	61	-7222	-5	0	0	0	-0	519.6	1.8	1.1	0.0	521.4	6
5	61	-6696	-5	0	0	0	-0	481.7	1.2	1.0	0.0	482.9	6
6	61	-14420	-9	1	0	0	-0	1037.4	2.1	1.7	0.0	1039.6	6
7	61	-5926	-5	0	0	0	-0	426.3	1.6	1.1	0.0	428.0	6
8	61	-8659	-5	0	0	0	-0	622.9	1.8	1.1	0.0	624.8	6
9	61	-8202	-5	1	0	0	-0	590.1	1.0	1.1	0.0	591.1	6
10	61	-13740	-9	1	0	0	-0	988.5	2.4	1.8	0.0	990.9	6
11	61	-6371	-5	0	0	0	-0	458.3	1.7	1.1	0.0	460.0	6
12	61	-8507	-5	0	0	0	-0	612.0	1.8	1.1	0.0	613.8	6
13	61	-7412	-5	0	0	0	-0	533.2	1.2	1.1	0.0	534.5	6
14	61	-15810	-9	1	0	0	-0	1137.4	2.6	1.9	0.0	1140.0	6
15	61	-6762	-5	0	0	0	-0	486.5	1.8	1.1	0.0	488.3	6
16	61	-9914	-5	0	0	0	-0	713.2	2.0	1.1	0.0	715.2	6
17	61	-8412	-5	1	0	0	-0	605.2	1.3	1.1	0.0	606.5	6

ASTA NUM. 68 NI 173 NF 198 Lungh. 24.4 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-8513	7	-0	0	0	-0	612.5	0.6	1.5	0.0	613.1	1	
1E	0	-8471	7	-0	0	0	-0	609.4	0.6	1.5	0.0	610.0	1	
1I	0	-8535	7	-1	0	-0	-0	614.0	0.5	1.5	0.0	614.5	6	
1M	0	-8449	7	-1	0	-0	-0	607.9	0.5	1.5	0.0	608.3	6	
2	0	-11720	10	-2	0	-0	-0	843.2	0.6	2.1	0.0	843.8	6	
3	0	-5366	6	-1	0	-0	-0	386.0	1.2	1.3	0.0	387.2	6	
4	0	-7057	6	-1	0	-0	-0	507.7	1.1	1.3	0.0	508.8	6	
5	0	-6446	6	-1	0	-0	-0	463.7	0.6	1.3	0.0	464.4	6	
6	0	-14180	10	-2	0	-0	0	1020.1	1.0	2.0	0.0	1021.1	6	
7	0	-6154	6	-1	0	-0	-0	442.7	0.8	1.3	0.0	443.5	6	
8	0	-8530	6	-1	0	-0	-0	613.7	0.7	1.3	0.0	614.4	1	
9	0	-7954	6	-2	0	-0	0	572.2	0.4	1.3	0.0	572.6	6	
10	0	-13510	10	-2	0	-0	0	971.9	0.7	2.0	0.0	972.7	6	
11	0	-6469	6	-1	0	-0	-0	465.4	0.5	1.3	0.0	465.9	6	
12	0	-8405	6	-1	0	-0	-0	604.7	0.5	1.3	0.0	605.2	1	
13	0	-7239	6	-1	0	-0	0	520.8	0.1	1.3	0.0	520.9	1	
14	0	-15540	11	-3	0	-0	0	1118.0	0.9	2.2	0.0	1118.9	6	
15	0	-6972	6	-1	0	-0	-0	501.6	0.5	1.3	0.0	502.0	6	
16	0	-9789	6	-2	0	-0	0	704.2	0.6	1.3	0.0	704.9	1	
17	0	-8189	6	-2	0	-0	0	589.1	0.4	1.3	0.0	589.6	6	
1A	12	-8513	6	-0	0	0	1	612.5	4.9	1.2	0.0	617.3	6	
1E	12	-8471	6	-0	0	0	1	609.4	4.9	1.2	0.0	614.3	6	
1I	12	-8535	6	-1	0	0	1	614.0	4.8	1.2	0.0	618.8	6	
1M	12	-8449	6	-1	0	0	1	607.9	4.8	1.2	0.0	612.7	6	
2	12	-11720	8	-2	0	0	1	843.2	7.0	1.7	0.0	850.1	6	
3	12	-5366	5	-1	0	0	1	386.0	3.5	1.1	0.0	389.6	6	
4	12	-7057	5	-1	0	0	1	507.7	3.6	1.1	0.0	511.3	6	
5	12	-6446	5	-1	0	0	1	463.7	4.2	1.1	0.0	467.9	6	
6	12	-14180	8	-2	0	0	1	1020.1	8.2	1.6	0.0	1028.3	6	
7	12	-6154	5	-1	0	0	1	442.7	4.0	1.1	0.0	446.7	6	
8	12	-8530	5	-1	0	0	1	613.7	4.3	1.0	0.0	617.9	6	
9	12	-7954	5	-2	0	0	1	572.2	5.1	1.0	0.0	577.3	6	
10	12	-13510	8	-2	0	0	1	971.9	8.0	1.6	0.0	979.9	6	
11	12	-6469	5	-1	0	0	1	465.4	4.2	1.0	0.0	469.6	6	
12	12	-8405	5	-1	0	0	1	604.7	4.4	1.0	0.0	609.0	6	
13	12	-7239	5	-1	0	0	1	520.8	4.7	1.0	0.0	525.5	6	
14	12	-15540	9	-3	0	0	1	1118.0	8.6	1.7	0.0	1126.6	6	
15	12	-6972	5	-1	0	0	1	501.6	4.2	1.0	0.0	505.8	6	
16	12	-9789	5	-2	0	0	1	704.2	4.7	1.0	0.0	708.9	6	
17	12	-8189	5	-2	0	0	1	589.1	5.1	1.0	0.0	594.2	6	
1A	24	-8513	5	-0	0	0	1	612.5	8.9	0.9	0.0	621.4	6	
1E	24	-8471	5	-0	0	0	1	609.4	8.9	0.9	0.0	618.4	6	
1I	24	-8535	5	-1	0	0	1	614.0	9.1	0.9	0.0	623.1	6	
1M	24	-8449	5	-1	0	0	1	607.9	9.1	0.9	0.0	617.0	6	
2	24	-11720	6	-2	0	0	2	843.2	13.1	1.3	0.0	856.3	6	
3	24	-5366	4	-1	0	0	1	386.0	7.4	0.8	0.0	393.4	6	
4	24	-7057	4	-1	0	0	1	507.7	7.5	0.8	0.0	515.2	6	
5	24	-6446	4	-1	0	0	1	463.7	8.2	0.8	0.0	471.9	6	
6	24	-14180	6	-2	0	1	2	1020.1	14.3	1.3	0.0	1034.5	6	
7	24	-6154	4	-1	0	0	1	442.7	7.8	0.8	0.0	450.5	6	
8	24	-8530	4	-1	0	0	1	613.7	8.1	0.8	0.0	621.8	6	
9	24	-7954	4	-2	0	0	1	572.2	9.0	0.8	0.0	581.3	6	
10	24	-13510	6	-2	0	0	2	971.9	14.1	1.3	0.0	986.0	6	
11	24	-6469	4	-1	0	0	1	465.4	8.0	0.8	0.0	473.4	6	
12	24	-8405	4	-1	0	0	1	604.7	8.2	0.8	0.0	612.9	6	
13	24	-7239	4	-1	0	0	1	520.8	8.6	0.8	0.0	529.4	6	
14	24	-15540	7	-3	0	1	2	1118.0	15.2	1.3	0.0	1133.2	6	
15	24	-6972	4	-1	0	0	1	501.6	8.0	0.8	0.0	509.6	6	
16	24	-9789	4	-2	0	0	1	704.2	8.5	0.8	0.0	712.8	6	
17	24	-8189	4	-2	0	0	1	589.1	9.0	0.8	0.0	598.1	6	

ASTA NUM. 69 NI 143 NF 145 Lungh. 68.6 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.6900	-2.4225	--	--	3.0704	-9.0421 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	14257	3	-1	0	-1	-1	1168.6	6.0	0.6	0.0	1174.6	6	
1E	0	14323	3	-1	0	-1	-1	1174.0	6.0	0.6	0.0	1180.0	6	
1I	0	14208	3	-1	0	-1	-1	1164.6	5.8	0.6	0.0	1170.4	1	
1M	0	14372	3	-1	0	-1	-1	1178.0	5.8	0.6	0.0	1183.8	1	
2	0	18960	-4	-0	0	-1	-0	1554.1	6.0	0.8	0.0	1560.1	1	
3	0	11000	-3	0	0	-0	0	901.6	3.9	0.6	0.0	905.5	1	
4	0	9975	-2	0	0	-0	0	817.6	3.1	0.6	0.0	820.8	1	
5	0	10310	-2	-0	0	-0	-0	845.1	3.3	0.5	0.0	848.4	1	
6	0	23210	3	-1	0	-1	-1	1902.5	9.3	0.6	0.0	1911.8	1	
7	0	13320	1	-0	0	-1	-0	1091.8	5.0	0.2	0.0	1096.8	1	
8	0	12360	1	-0	0	-1	-0	1013.1	4.9	0.3	0.0	1018.0	1	
9	0	12880	2	-1	0	-1	-1	1055.7	6.1	0.4	0.0	1061.8	6	
10	0	20820	-4	-0	0	-1	-0	1706.6	6.6	0.8	0.0	1713.2	1	
11	0	12100	-3	-0	0	-1	0	991.8	4.2	0.6	0.0	996.0	1	
12	0	11260	-2	0	0	-0	0	923.0	3.5	0.6	0.0	926.4	1	
13	0	11230	-2	-0	0	-0	-0	920.5	3.6	0.5	0.0	924.1	1	
14	0	22620	2	-1	0	-1	-1	1854.1	8.8	0.5	0.0	1862.9	1	
15	0	12880	1	-0	0	-1	-0	1055.7	4.7	0.2	0.0	1060.4	1	
16	0	12210	1	-0	0	-1	-0	1000.8	4.7	0.3	0.0	1005.5	1	
17	0	12090	2	-1	0	-0	-1	991.0	5.3	0.4	0.0	996.3	6	
1A	34	14262	2	-1	0	-0	0	1169.0	2.6	0.4	0.0	1171.7	1	
1E	34	14328	2	-1	0	-0	0	1174.4	2.6	0.4	0.0	1177.1	1	
1I	34	14213	1	-1	0	-0	0	1165.0	2.4	0.3	0.0	1167.4	1	
1M	34	14377	1	-1	0	-0	0	1178.4	2.4	0.3	0.0	1180.8	1	
2	34	18970	-0	-0	0	-1	-1	1554.9	7.0	0.1	0.0	1561.9	1	
3	34	11005	-1	0	0	-1	-0	902.0	4.8	0.1	0.0	906.9	1	
4	34	9979	-0	0	0	-0	-0	817.9	4.5	0.1	0.0	822.4	1	
5	34	10315	0	-0	0	-0	-0	845.5	4.2	0.0	0.0	849.7	6	
6	34	23215	2	-1	0	-1	-0	1902.9	4.3	0.5	0.0	1907.1	1	
7	34	13320	1	-0	0	-0	-0	1091.8	3.4	0.2	0.0	1095.2	1	
8	34	12365	1	-0	0	-0	-0	1013.5	2.9	0.3	0.0	1016.4	1	
9	34	12885	2	-1	0	-0	-0	1056.1	2.3	0.4	0.0	1058.5	1	
10	34	20825	0	-0	0	-1	-1	1707.0	7.1	0.1	0.0	1714.1	1	
11	34	12105	-0	-0	0	-1	-0	992.2	4.9	0.1	0.0	997.1	1	
12	34	11265	-0	0	0	-0	-0	923.4	4.7	0.0	0.0	928.0	1	
13	34	11235	0	-0	0	-0	-0	920.9	4.3	0.0	0.0	925.2	6	
14	34	22625	2	-1	0	-1	-0	1854.5	4.1	0.4	0.0	1858.7	1	
15	34	12885	1	-0	0	-0	-0	1056.1	3.3	0.1	0.0	1059.4	1	
16	34	12210	1	-0	0	-0	-0	1000.8	2.9	0.2	0.0	1003.7	1	
17	34	12095	1	-1	0	-0	-0	991.4	2.3	0.3	0.0	993.6	1	
1A	69	14267	1	-1	0	-0	0	1169.4	3.5	0.2	0.0	1173.0	6	
1E	69	14333	1	-1	0	-0	0	1174.8	3.5	0.2	0.0	1178.4	6	
1I	69	14218	0	-1	0	-0	0	1165.4	3.0	0.2	0.0	1168.4	6	
1M	69	14382	0	-1	0	-0	0	1178.8	3.0	0.2	0.0	1181.8	6	
2	69	18980	3	-0	0	-1	-0	1555.7	4.8	0.8	0.0	1560.5	1	
3	69	11010	2	0	0	-1	-0	902.5	4.5	0.4	0.0	907.0	1	
4	69	9982	2	0	0	-1	-0	818.2	4.1	0.5	0.0	822.3	1	

5	69	10320	2	-0	0	-0	-0	845.9	2.9	0.6	0.0	848.8	1
6	69	23220	2	-1	0	-0	1	1903.3	5.3	0.5	0.0	1908.6	6
7	69	13320	1	-0	0	-0	0	1091.8	3.1	0.1	0.0	1094.9	1
8	69	12370	1	-0	0	-0	0	1013.9	3.1	0.2	0.0	1017.0	6
9	69	12890	2	-1	0	-0	1	1056.6	3.9	0.4	0.0	1060.4	6
10	69	20830	4	-0	0	-1	-0	1707.4	4.5	0.8	0.0	1711.8	1
11	69	12110	2	-0	0	-1	-0	992.6	4.3	0.4	0.0	996.9	1
12	69	11270	2	0	0	-1	-0	923.8	4.0	0.5	0.0	927.7	1
13	69	11240	2	-0	0	-0	-0	921.3	2.7	0.6	0.0	924.1	1
14	69	22630	2	-1	0	-0	1	1854.9	4.4	0.4	0.0	1859.3	6
15	69	12890	0	-0	0	-0	0	1056.6	2.9	0.1	0.0	1059.4	1
16	69	12210	1	-0	0	-0	0	1000.8	2.7	0.2	0.0	1003.5	6
17	69	12100	1	-1	0	-0	0	991.8	3.2	0.3	0.0	995.1	6

ASTA NUM. 70 NI 168 NF 181 Lungh. 65.0 cm SEZ. 19 Ps L 55X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-11	-1	-0	0	-0	0	2.6	11.2	0.3	0.0	13.8	6	
1E	0	-11	-1	-0	0	-0	0	2.5	11.2	0.3	0.0	13.8	6	
1I	0	-11	-1	-0	0	-0	0	2.6	11.1	0.3	0.0	13.6	6	
1M	0	-11	-1	-0	0	-0	0	2.6	11.1	0.3	0.0	13.6	6	
2	0	-16	-1	-4	0	-0	0	3.6	15.6	2.6	0.0	19.2	6	
3	0	-10	-0	-2	0	-0	0	2.3	10.0	1.6	0.0	12.2	6	
4	0	-9	-1	-2	0	-0	0	2.2	11.8	1.6	0.0	14.0	6	
5	0	-10	-0	-2	0	-0	0	2.3	9.7	1.6	0.0	12.1	6	
6	0	-15	-1	-2	0	-0	0	3.6	15.8	1.1	0.0	19.4	6	
7	0	-10	-1	-1	0	-0	0	2.2	10.3	0.6	0.0	12.5	6	
8	0	-9	-1	-1	0	-0	0	2.1	12.3	0.6	0.0	14.4	6	
9	0	-10	-0	-1	0	-0	0	2.3	9.9	0.6	0.0	12.2	6	
10	0	-17	-1	-4	0	-0	0	4.0	15.5	2.6	0.0	19.4	6	
11	0	-11	-0	-2	0	-0	0	2.5	9.9	1.6	0.0	12.3	6	
12	0	-10	-1	-2	0	-0	0	2.4	12.2	1.6	0.0	14.6	6	
13	0	-11	-0	-2	0	-0	0	2.5	9.5	1.6	0.0	12.0	6	
14	0	-18	-1	-2	0	-0	0	4.2	16.7	1.1	0.0	20.9	6	
15	0	-11	-1	-1	0	-0	0	2.5	10.2	0.6	0.0	12.7	6	
16	0	-10	-1	-1	0	-0	0	2.4	13.1	0.6	0.0	15.4	6	
17	0	-11	-0	-1	0	-0	0	2.5	9.7	0.6	0.0	12.2	6	
1A	32	-10	-1	-0	0	0	0	2.3	4.3	0.3	0.0	6.6	6	
1E	32	-10	-1	-0	0	0	0	2.3	4.3	0.3	0.0	6.6	6	
1I	32	-10	-1	-0	0	0	0	2.3	4.2	0.3	0.0	6.5	6	
1M	32	-10	-1	-0	0	0	0	2.3	4.2	0.3	0.0	6.5	6	
2	32	-14	-1	-1	0	1	0	3.3	20.1	0.5	0.0	23.4	1	
3	32	-9	-0	-0	0	0	0	2.1	12.5	0.3	0.0	14.6	1	
4	32	-8	-1	-0	0	0	0	2.0	12.5	0.4	0.0	14.5	1	
5	32	-9	-0	-0	0	0	0	2.1	12.6	0.3	0.0	14.7	1	
6	32	-14	-1	-1	0	0	0	3.2	7.5	0.5	0.0	10.7	6	
7	32	-9	-1	-0	0	0	0	2.0	4.6	0.3	0.0	6.6	6	
8	32	-8	-1	-0	0	0	0	1.9	4.6	0.5	0.0	6.5	6	
9	32	-9	-0	-0	0	0	0	2.1	4.7	0.3	0.0	6.8	6	
10	32	-15	-1	-1	0	1	0	3.6	20.2	0.5	0.0	23.8	1	
11	32	-10	-0	-0	0	0	0	2.2	12.5	0.3	0.0	14.8	1	
12	32	-9	-1	-0	0	0	0	2.2	12.5	0.5	0.0	14.7	1	
13	32	-10	-0	-0	0	0	0	2.3	12.6	0.3	0.0	14.9	1	
14	32	-17	-1	-1	0	0	0	3.8	7.8	0.5	0.0	11.7	6	
15	32	-10	-1	-0	0	0	0	2.2	4.6	0.3	0.0	6.8	6	
16	32	-9	-1	-0	0	0	0	2.1	4.6	0.5	0.0	6.7	6	
17	32	-10	-0	-0	0	0	0	2.3	4.6	0.3	0.0	6.9	6	
1A	65	-9	-1	-0	0	0	-0	2.1	6.1	0.3	0.0	8.1	1	
1E	65	-9	-1	-0	0	0	-0	2.0	6.1	0.3	0.0	8.1	1	
1I	65	-9	-1	-0	0	0	-0	2.1	6.0	0.3	0.0	8.1	1	
1M	65	-9	-1	-0	0	0	-0	2.0	6.0	0.3	0.0	8.1	1	
2	65	-13	-1	3	0	0	-0	2.9	8.0	1.8	0.0	11.0	1	
3	65	-8	-0	2	0	0	-0	1.8	4.4	1.1	0.0	6.2	1	
4	65	-7	-1	2	0	0	-0	1.7	5.4	1.1	0.0	7.1	1	
5	65	-8	-0	2	0	0	-0	1.9	4.7	1.1	0.0	6.6	1	
6	65	-12	-1	0	0	0	-0	2.8	9.8	0.5	0.0	12.7	1	
7	65	-8	-1	0	0	0	-0	1.8	5.2	0.3	0.0	7.0	1	
8	65	-7	-1	0	0	0	-0	1.7	6.6	0.5	0.0	8.3	1	
9	65	-8	-0	0	0	0	-0	1.9	5.9	0.3	0.0	7.7	1	
10	65	-14	-1	3	0	0	-0	3.2	8.5	1.7	0.0	11.7	1	
11	65	-9	-0	2	0	0	-0	2.0	4.6	1.1	0.0	6.6	1	
12	65	-8	-1	2	0	0	-0	1.9	5.8	1.1	0.0	7.8	1	
13	65	-9	-0	2	0	0	-0	2.1	4.8	1.1	0.0	6.9	1	
14	65	-15	-1	0	0	0	-0	3.5	9.9	0.5	0.0	13.4	1	
15	65	-9	-1	0	0	0	-0	2.0	5.2	0.3	0.0	7.2	1	
16	65	-8	-1	0	0	0	-0	1.9	6.9	0.5	0.0	8.9	1	
17	65	-9	-0	0	0	0	-0	2.1	5.6	0.3	0.0	7.7	1	

ASTA NUM. 71 NI 170 NF 142 Lungh. 90.9 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.2914	-1.0729	--	--	3.7552	-1.6091 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-9940	1	0	0	0	-0	1453.2	5.0	0.5	0.0	1458.2	6	
1E	0	-9914	1	0	0	0	-0	1449.4	5.0	0.5	0.0	1454.4	6	
1I	0	-9968	1	0	0	0	-0	1457.2	4.9	0.5	0.0	1462.2	6	
1M	0	-9886	1	0	0	0	-0	1445.4	4.9	0.5	0.0	1450.3	6	
2	0	-12960	-1	0	0	0	-0	1894.7	6.4	0.4	0.0	1901.2	6	
3	0	-6817	-1	0	0	0	-0	996.6	3.8	0.2	0.0	1000.4	6	
4	0	-7401	-1	0	0	-0	-0	1082.0	3.5	0.2	0.0	1085.5	6	
5	0	-7518	-1	0	0	0	-0	1099.1	3.8	0.2	0.0	1102.9	6	
6	0	-16230	1	0	0	0	-0	2372.8	7.7	0.4	0.0	2380.5	6	
7	0	-8287	1	0	0	0	-0	1211.5	4.5	0.3	0.0	1216.0	6	
8	0	-9405	1	0	0	0	-0	1375.0	4.2	0.3	0.0	1379.2	6	
9	0	-9620	1	0	0	0	-0	1406.4	4.6	0.3	0.0	1411.0	6	
10	0	-12800	-1	0	0	0	-0	1871.3	6.2	0.4	0.0	1877.5	6	
11	0	-6675	-1	0	0	0	-0	975.9	3.6	0.2	0.0	979.5	6	
12	0	-7247	-1	0	0	-0	-0	1059.5	3.3	0.2	0.0	1062.8	6	
13	0	-7244	-1	0	0	0	-0	1059.1	3.6	0.2	0.0	1062.6	6	
14	0	-14690	1	0	0	0	-0	2147.7	7.4	0.5	0.0	2155.0	6	
15	0	-7280	1	0	0	0	-0	1064.3	4.2	0.3	0.0	1068.5	6	
16	0	-8385	1	0	0	-0	-0	1225.9	4.0	0.3	0.0	1229.8	6	
17	0	-8343	1	0	0	0	-0	1219.7	4.2	0.3	0.0	1224.0	6	
1A	45	-9942	-0	0	0	0	-0	1453.5	1.5	0.2	0.0	1455.1	6	
1E	45	-9916	-0	0	0	0	-0	1449.7	1.5	0.2	0.0	1451.2	6	
1I	45	-9970	-0	0	0	0	-0	1457.5	1.4	0.2	0.0	1459.0	6	
1M	45	-9888	-0	0	0	0	-0	1445.7	1.4	0.2	0.0	1447.1	6	
2	45	-12965	-0	0	0	0	-1	1895.5	11.1	0.2	0.0	1906.6	6	
3	45	-6821	-0	0	0	0	-0	997.1	6.5	0.1	0.0	1003.7	6	
4	45	-7404	-0	0	0	-0	-0	1082.5	6.7	0.1	0.0	1089.1	6	
5	45	-7522	-0	0	0	0	-0	1099.6	6.4	0.1	0.0	1106.1	6	
6	45	-16230	-1	0	0	0	-0	2372.8	6.2	0.3	0.0	2379.0	6	
7	45	-8289	-0	0	0	0	-0	1211.8	3.3	0.2	0.0	1215.1	6	
8	45	-9407	-0	0	0	-0	-0	1375.3	3.5	0.2	0.0	1378.8	6	
9	45	-9622	-0	0	0	0	-0	1406.7	3.3	0.2	0.0	1410.1	6	
10	45	-12805	-0	0	0	0	-1	1872.1	11.1	0.2	0.0	1883.2	6	
11	45	-6678	-0	0	0	0	-0	976.3	6.5	0.1	0.0	982.8	6	
12	45	-7251	-0	0	0	-0	-0	1060.0	6.6	0.1	0.0	1066.6	6	
13	45	-7247	-0	0	0	0	-0	1059.5	6.4	0.1	0.0	1065.9	6	
14	45	-14690	-1	0	0	0	-0	2147.7	5.2	0.3	0.0	2152.8	6	
15	45	-7282	-0	0	0	0	-0	1064.6	2.9	0.2	0.0	1067.5	6	
16	45	-8387	-0	0	0	-0	-0	1226.2	3.3	0.2	0.0	1229.4	6	
17	45	-8345	-0	0	0	0	-0	1220.0	3.0	0.2	0.0	1223.0	6	
1A	91	-9944	-2	0	0	-0	-1	1453.8	11.0	0.9	0.0	1464.8	6	
1E	91	-9918	-2	0	0	-0	-1	1450.0	11.0	0.9	0.0	1461.0	6	
1I	91	-9972	-2	0	0	-0	-1	1457.8	10.9	0.9	0.0	1468.7	6	
1M	91	-9890	-2	0	0	-0	-1	1446.0	10.9	0.9	0.0	1456.8	6	
2	91	-12970	0	0	0	-0	-1	1896.2	12.1	0.1	0.0	1908.3	6	
3	91	-6824	0	0	0	-0	-0	997.7	6.8	0.0	0.0	1004.5	6	
4	91	-7407	0	0	0	-0	-0	1082.9	7.3	0.0	0.0	1090.2	6	
5	91	-7525	0	0	0	-0	-0	1100.1	6.7	0.0	0.0	1106.9	6	
6	91	-16230	-2	0	0	-0	-1	2372.8	17.3	1.0	0.0	2390.1	6	
7	91	-8291	-1	0	0	0	-1	1212.1	9.8	0.6	0.0	1221.9	6	
8	91	-9409	-1	0	0	-0	-1	1375.6	10.7	0.6	0.0	1386.2	6	
9	91	-9624	-1	0	0	-0	-1	1407.0	9.9	0.6	0.0	1417.0	6	
10	91	-12810	0	0	0	-0	-1	1872.8	12.4	0.1	0.0	1885.2	6	
11	91	-6681	0	0	0	-0	-0	976.8	6.9	0.0	0.0	983.6	6	
12	91	-7254	0	0	0	-0	-0	1060.5	7.4	0.0	0.0	1067.9	6	
13	91	-7250	0	0	0	-0	-0	1059.9	6.8	0.0	0.0	1066.7	6	
14	91	-14690	-3	0	0	-0	-1	2147.7	16.9	1.1	0.0	2164.6	6	
15	91	-7284	-1	0	0	0	-1	1064.9	9.4	0.6	0.0	1074.3	6	
16	91	-8389	-1	0	0	-0	-1	1226.5	10.3	0.6	0.0	1236.8	6	
17	91	-8347	-1	0	0	-0	-1	1220.3	9.5	0.6	0.0	1229.8	6	

ASTA NUM. 72 NI 167 NF 170 Lungh. 72.6 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	6.7283	1.6821	--	--	2.3954	10.8057 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	7899	2	0	0	0	-1	1154.8	9.9	0.8	0.0	1164.7	6	
1E	0	7919	2	0	0	0	-1	1157.8	9.9	0.8	0.0	1167.7	6	
1I	0	7876	2	0	0	0	-1	1151.5	9.9	0.8	0.0	1161.4	6	
1M	0	7942	2	0	0	0	-1	1161.1	9.9	0.8	0.0	1170.9	6	
2	0	10320	6	0	0	0	-1	1508.8	12.6	2.6	0.0	1521.4	6	
3	0	5429	4	0	0	0	-0	793.7	7.0	1.6	0.0	800.7	6	

4	0	5895	4	0	0	0	-0	861.8	7.5	1.6	0.0	869.4	6
5	0	5989	4	0	0	0	-0	875.6	7.4	1.6	0.0	883.0	6
6	0	12930	4	0	0	0	-1	1890.4	15.7	1.6	0.0	1906.0	6
7	0	6602	2	0	0	0	-0	965.2	8.5	0.9	0.0	973.7	6
8	0	7495	2	0	0	0	-1	1095.8	9.5	1.0	0.0	1105.2	6
9	0	7667	2	0	0	0	-1	1120.9	9.3	1.0	0.0	1130.2	6
10	0	10190	6	0	0	0	-1	1489.8	12.6	2.6	0.0	1502.3	6
11	0	5315	4	0	0	0	-0	777.0	6.9	1.6	0.0	784.0	6
12	0	5773	4	0	0	0	-0	844.0	7.4	1.6	0.0	851.4	6
13	0	5770	4	0	0	0	-0	843.6	7.2	1.6	0.0	850.8	6
14	0	11700	4	0	0	0	-1	1710.5	14.6	1.6	0.0	1725.1	6
15	0	5798	2	0	0	0	-0	847.7	7.7	0.9	0.0	855.4	6
16	0	6680	2	0	0	0	-0	976.6	8.6	0.9	0.0	985.2	6
17	0	6646	2	0	0	0	-0	971.6	8.4	1.0	0.0	980.0	6
1A	36	7900	1	0	0	0	-0	1155.0	0.3	0.5	0.0	1155.3	6
1E	36	7921	1	0	0	0	-0	1158.0	0.3	0.5	0.0	1158.3	6
1I	36	7878	1	0	0	0	-0	1151.7	0.3	0.5	0.0	1152.0	6
1M	36	7943	1	0	0	0	-0	1161.3	0.3	0.5	0.0	1161.6	6
2	36	10325	1	0	0	0	1	1509.5	10.7	0.6	0.0	1520.2	6
3	36	5430	1	0	0	0	0	793.8	6.8	0.3	0.0	800.6	6
4	36	5896	1	0	0	0	0	861.9	7.1	0.3	0.0	869.0	6
5	36	5990	1	0	0	0	0	875.7	6.9	0.3	0.0	882.6	6
6	36	12935	2	0	0	0	0	1891.1	1.8	0.7	0.0	1892.9	6
7	36	6604	1	0	0	0	-0	965.4	1.3	0.4	0.0	966.8	6
8	36	7496	1	0	0	0	0	1095.9	1.6	0.4	0.0	1097.5	6
9	36	7668	1	0	0	0	0	1121.1	1.4	0.4	0.0	1122.4	6
10	36	10195	1	0	0	0	1	1490.5	10.7	0.6	0.0	1501.1	6
11	36	5316	1	0	0	0	0	777.1	6.8	0.3	0.0	783.9	6
12	36	5773	1	0	0	0	0	844.0	7.1	0.3	0.0	851.1	6
13	36	5770	1	0	0	0	0	843.6	6.9	0.3	0.0	850.5	6
14	36	11705	2	0	0	0	0	1711.3	2.2	0.7	0.0	1713.5	6
15	36	5799	1	0	0	-0	0	847.8	1.5	0.3	0.0	849.3	6
16	36	6682	1	0	0	0	0	976.8	1.8	0.4	0.0	978.6	6
17	36	6648	1	0	0	-0	0	971.9	1.5	0.4	0.0	973.4	6
1A	73	7902	0	0	0	-0	0	1155.2	4.2	0.1	0.0	1159.4	6
1E	73	7922	0	0	0	-0	0	1158.2	4.2	0.1	0.0	1162.4	6
1I	73	7879	0	0	0	-0	0	1152.0	4.1	0.1	0.0	1156.0	6
1M	73	7945	0	0	0	-0	0	1161.5	4.1	0.1	0.0	1165.6	6
2	73	10330	-4	0	0	-0	0	1510.2	4.6	1.5	0.0	1514.9	6
3	73	5430	-2	0	0	-0	0	793.9	2.4	1.0	0.0	796.3	6
4	73	5896	-2	0	0	0	0	862.0	2.3	1.0	0.0	864.2	6
5	73	5990	-2	0	0	-0	0	875.7	3.0	0.9	0.0	878.7	6
6	73	12940	-0	0	0	-0	0	1891.8	6.3	0.2	0.0	1898.1	6
7	73	6605	-0	0	0	-0	0	965.6	3.3	0.2	0.0	968.9	6
8	73	7497	-0	0	0	0	0	1096.1	3.1	0.1	0.0	1099.2	6
9	73	7669	-0	0	0	-0	0	1121.2	4.1	0.1	0.0	1125.3	6
10	73	10200	-4	0	0	-0	0	1491.2	4.5	1.5	0.0	1495.8	6
11	73	5316	-2	0	0	-0	0	777.2	2.4	1.0	0.0	779.6	6
12	73	5773	-2	0	0	0	0	844.0	2.2	1.0	0.0	846.3	6
13	73	5770	-2	0	0	-0	0	843.6	2.9	0.9	0.0	846.4	6
14	73	11710	-1	0	0	-0	0	1712.0	5.7	0.3	0.0	1717.7	6
15	73	5800	-1	0	0	-0	0	848.0	2.8	0.2	0.0	850.7	6
16	73	6683	-0	0	0	0	0	977.0	2.7	0.2	0.0	979.8	6
17	73	6649	-0	0	0	-0	0	972.1	3.5	0.2	0.0	975.6	6

ASTA NUM. 73 NI 171 NF 167 Lungh. 84.0 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.0303	-1.2576	--	--	3.4008	-2.8871 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-9138	2	-0	0	-0	-0	1335.9	4.2	0.8	0.0	1340.2	6	
1E	0	-9114	2	-0	0	-0	-0	1332.5	4.2	0.8	0.0	1336.7	6	
1I	0	-9164	2	-0	0	-0	-0	1339.8	4.2	0.8	0.0	1344.0	6	
1M	0	-9088	2	-0	0	-0	-0	1328.7	4.2	0.8	0.0	1332.9	6	
2	0	-11910	-0	-0	0	-0	-0	1741.2	5.8	0.2	0.0	1747.0	6	
3	0	-6257	-0	-0	0	-0	-0	914.8	3.2	0.1	0.0	918.0	6	
4	0	-6796	-0	-0	0	-0	-0	993.6	4.0	0.1	0.0	997.6	6	
5	0	-6904	-0	-0	0	-0	-0	1009.4	3.1	0.1	0.0	1012.5	6	
6	0	-14930	2	-0	0	-0	-0	2182.7	7.0	0.9	0.0	2189.7	6	
7	0	-7617	1	-0	0	-0	-0	1113.6	3.8	0.5	0.0	1117.4	6	
8	0	-8650	1	-0	0	-0	-0	1264.6	5.0	0.6	0.0	1269.6	6	
9	0	-8848	1	-0	0	-0	-0	1293.6	3.8	0.5	0.0	1297.4	6	
10	0	-11760	-0	-0	0	-0	-0	1719.3	5.6	0.2	0.0	1724.9	6	
11	0	-6125	-0	-0	0	-0	-0	895.5	3.1	0.1	0.0	898.6	6	
12	0	-6654	-0	-0	0	-0	-0	972.8	3.9	0.1	0.0	976.7	6	
13	0	-6651	-0	-0	0	-0	-0	972.4	3.0	0.1	0.0	975.3	6	
14	0	-13500	2	-0	0	-0	-0	1973.7	6.6	0.9	0.0	1980.2	6	
15	0	-6687	1	-0	0	-0	-0	977.6	3.5	0.5	0.0	981.2	6	
16	0	-7708	1	-0	0	-0	-0	1126.9	4.7	0.5	0.0	1131.6	6	
17	0	-7668	1	-0	0	-0	-0	1121.1	3.5	0.5	0.0	1124.5	6	
1A	42	-9140	1	-0	0	-0	0	1336.2	6.1	0.2	0.0	1342.3	6	
1E	42	-9116	1	-0	0	-0	0	1332.8	6.1	0.2	0.0	1338.8	6	
1I	42	-9166	1	-0	0	-0	0	1340.0	6.1	0.2	0.0	1346.2	6	
1M	42	-9090	1	-0	0	-0	0	1329.0	6.1	0.2	0.0	1335.1	6	
2	42	-11915	1	-0	0	-0	-0	1742.0	4.4	0.3	0.0	1746.3	6	
3	42	-6260	0	-0	0	-0	-0	915.2	2.8	0.2	0.0	918.0	6	
4	42	-6799	0	-0	0	-0	-0	994.0	3.2	0.2	0.0	997.2	1	
5	42	-6908	0	-0	0	-0	-0	1009.9	2.6	0.2	0.0	1012.4	6	
6	42	-14930	1	-0	0	-0	0	2182.7	5.9	0.4	0.0	2188.6	6	
7	42	-7619	1	-0	0	-0	0	1113.9	3.5	0.2	0.0	1117.4	6	
8	42	-8652	1	-0	0	-0	0	1264.9	3.9	0.2	0.0	1268.8	6	
9	42	-8850	1	-0	0	-0	0	1293.9	3.7	0.2	0.0	1297.6	6	
10	42	-11765	1	-0	0	-0	-0	1720.0	4.3	0.3	0.0	1724.4	6	
11	42	-6129	0	-0	0	-0	-0	896.0	2.7	0.2	0.0	898.7	6	
12	42	-6658	0	-0	0	-0	-0	973.3	3.2	0.2	0.0	976.5	1	
13	42	-6654	0	-0	0	-0	-0	972.8	2.5	0.2	0.0	975.3	6	
14	42	-13505	1	-0	0	-0	0	1974.4	6.3	0.4	0.0	1980.7	6	
15	42	-6689	0	-0	0	-0	0	977.9	3.4	0.2	0.0	981.2	6	
16	42	-7710	1	-0	0	-0	0	1127.2	3.9	0.2	0.0	1131.1	1	
17	42	-7670	0	-0	0	-0	0	1121.3	3.6	0.2	0.0	1124.9	6	
1A	84	-9142	-1	-0	0	-0	0	1336.5	5.2	0.4	0.0	1341.7	6	
1E	84	-9118	-1	-0	0	-0	0	1333.1	5.2	0.4	0.0	1338.2	6	
1I	84	-9168	-1	-0	0	-0	0	1340.3	5.2	0.4	0.0	1345.6	6	
1M	84	-9092	-1	-0	0	-0	0	1329.2	5.2	0.4	0.0	1334.5	6	
2	84	-11920	2	-0	0	-0	0	1742.7	6.7	0.8	0.0	1749.4	6	
3	84	-6263	1	-0	0	-0	0	915.6	3.6	0.5	0.0	919.3	6	
4	84	-6802	1	-0	0	-0	0	994.4	4.3	0.5	0.0	998.8	6	
5	84	-6911	1	-0	0	-0	0	1010.4	3.9	0.5	0.0	1014.3	6	
6	84	-14930	-0	-0	0	-0	0	2182.7	8.2	0.1	0.0	2190.9	6	
7	84	-7621	-0	-0	0	-0	0	1114.2	4.3	0.1	0.0	1118.5	6	
8	84	-8654	-0	-0	0	-0	0	1265.2	5.3	0.1	0.0	1270.5	6	
9	84	-8852	-0	-0	0	-0	0	1294.2	4.8	0.1	0.0	1299.0	6	
10	84	-11770	2	-0	0	-0	0	1720.8	6.6	0.8	0.0	1727.4	6	
11	84	-6132	1	-0	0	-0	0	896.5	3.5	0.5	0.0	900.0	6	
12	84	-6661	1	-0	0	-0	0	973.8	4.3	0.5	0.0	978.1	6	
13	84	-6657	1	-0	0	-0	0	973.2	3.8	0.5	0.0	977.0	6	
14	84	-13510	-0	-0	0	-0	0	1975.1	7.7	0.2	0.0	1982.9	6	
15	84	-6690	-0	-0	0	-0	0	978.1	3.9	0.1	0.0	982.0	6	
16	84	-7712	-0	-0	0	-0	0	1127.5	5.0	0.1	0.0	1132.5	6	
17	84	-7672	-0	-0	0	-0	0	1121.6	4.3	0.1	0.0	1126.0	6	

ASTA NUM. 74 NI 168 NF 171 Lungh. 77.8 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.8595	1.4649	--	--	2.9529	10.2772 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	8430	2	-1	0	-0	-0	1232.5	8.2	0.7	0.0	1240.7	1	
1E	0	8452	2	-1	0	-0	-0	1235.7	8.2	0.7	0.0	1243.9	1	
1I	0	8406	2	-1	0	-0	-0	1228.9	8.4	0.7	0.0	1237.3	1	
1M	0	8476	2	-1	0	-0	-0	1239.2	8.4	0.7	0.0	1247.6	1	
2	0	11010	6	-1	0	-1	-0	1609.6	12.1	2.4	0.0	1621.7	1	
3	0	5787	3	-1	0	-0	-0	846.1	7.9	1.4	0.0	854.0	1	
4	0	6286	3	-1	0	-1	-0	919.0	9.4	1.4	0.0	928.4	1	
5	0	6387	3	-1	0	-0	-0	933.8	7.6	1.5	0.0	941.4	1	
6	0	13810	3	-1	0	-1	-0	2019.0	11.9	1.3	0.0	2030.9	1	
7	0	7045	2	-1	0	-0	-0	1030.0	8.1	0.8	0.0	1038.1	1	
8	0	8001	2	-1	0	-1	-0	1169.7	9.6	0.8	0.0	1179.3	1	
9	0	8186	2	-1	0	-0	-0	1196.8	7.6	0.8	0.0	1204.3	1	
10	0	10880	6	-1	0	-1	-0	1590.6	12.0	2.4	0.0	1602.6	1	
11	0	5666	3	-1	0	-0	-0	828.4	7.9	1.4	0.0	836.3	1	
12	0	6155	3	-1	0	-1	-0	899.9	9.8	1.5	0.0	909.6	1	
13	0	6153	3	-1	0	-0	-0	899.6	7.5	1.5	0.0	907.0	1	
14	0	12490	3	-1	0	-1	-0	1826.0	12.9	1.4	0.0	1838.9	1	
15	0	6183	2	-1	0	-0	-0	903.9	8.2	0.8	0.0	912.1	1	
16	0	7129	2	-1	0	-1	-0	1042.3	10.4	0.8	0.0	1052.6	1	
17	0	7093	2	-1	0	-0	-0	1037.0	7.5	0.8	0.0	1044.5	1	
1A	39	8432	0	-1	0	-0	0	1232.7	4.9	0.3	0.0	1237.6	6	
1E	39	8453	0	-1	0	-0	0	1235.9	4.9	0.3	0.0	1240.8	6	
1I	39	8407	0	-1	0	-0	0	1229.1	5.0	0.3	0.0	1234.1	6	
1M	39	8478	0	-1	0	-0	0	1239.4	5.0	0.3	0.0	1244.4	6	
2	39	11010	1	-1	0	-0	1	1609.6	17.5	0.4	0.0	1627.2	6	
3	39	5787	0	-1	0	-0	1	846.1	10.9	0.3	0.0	857.0	6	
4	39	6286	0	-1	0	-0	1	919.0	11.1	0.4	0.0	930.1	6	
5	39	6387	0	-1	0	-0	1	933.8	11.1	0.3	0.0	944.8	6	
6	39	13815	1	-1	0	-0	1	2019.7	9.6	0.4	0.0	2029.4	6	
7	39	7046	0	-1	0	-0	0	1030.1	6.0	0.3	0.0	1036.1	6	
8	39	8003	0	-1	0	-0	0	1170.0	6.1	0.4	0.0	1176.1	6	
9	39	8187	0	-1	0	-0	0	1196.9	6.2	0.3	0.0	1203.1	6	
10	39	10880	1	-1	0	-0	1	1590.6	17.3	0.4	0.0	1607.9	6	

11	39	5666	0	-1	0	-0	1	828.4	10.7	0.3	0.0	839.1	6
12	39	6156	0	-1	0	-0	1	899.9	11.0	0.4	0.0	910.9	6
13	39	6153	0	-1	0	-0	1	899.6	10.9	0.3	0.0	910.4	6
14	39	12490	1	-1	0	-0	0	1826.0	9.6	0.5	0.0	1835.6	6
15	39	6185	0	-1	0	-0	0	904.2	5.7	0.3	0.0	909.8	6
16	39	7130	0	-1	0	-0	0	1042.4	5.9	0.4	0.0	1048.3	6
17	39	7094	0	-1	0	-0	0	1037.1	5.8	0.3	0.0	1042.9	6
1A	78	8433	-1	-1	0	0	0	1232.9	3.7	0.3	0.0	1236.6	6
1E	78	8455	-1	-1	0	0	0	1236.1	3.7	0.3	0.0	1239.8	6
1I	78	8409	-1	-1	0	0	0	1229.3	3.7	0.3	0.0	1233.0	6
1M	78	8479	-1	-1	0	0	0	1239.7	3.7	0.3	0.0	1243.3	6
2	78	11010	-4	-1	0	0	0	1609.6	4.5	1.9	0.0	1614.1	6
3	78	5787	-3	-1	0	0	0	846.1	2.2	1.2	0.0	848.2	6
4	78	6286	-3	-1	0	0	0	919.0	3.0	1.2	0.0	922.1	1
5	78	6387	-3	-1	0	0	0	933.8	2.7	1.2	0.0	936.4	6
6	78	13820	-2	-1	0	0	0	2020.5	6.1	0.7	0.0	2026.6	6
7	78	7047	-1	-1	0	0	0	1030.3	2.9	0.5	0.0	1033.2	6
8	78	8004	-1	-1	0	0	0	1170.2	3.8	0.5	0.0	1174.0	1
9	78	8188	-1	-1	0	0	0	1197.1	3.7	0.5	0.0	1200.8	6
10	78	10880	-4	-1	0	0	0	1590.6	4.5	1.9	0.0	1595.1	6
11	78	5666	-3	-1	0	0	0	828.4	2.1	1.2	0.0	830.5	6
12	78	6156	-3	-1	0	0	0	900.0	3.1	1.2	0.0	903.1	1
13	78	6153	-3	-1	0	0	0	899.6	2.6	1.2	0.0	902.1	6
14	78	12490	-2	-1	0	0	0	1826.0	5.3	0.8	0.0	1831.3	6
15	78	6186	-1	-1	0	0	0	904.4	2.4	0.5	0.0	906.8	6
16	78	7131	-1	-1	0	0	0	1042.5	3.7	0.5	0.0	1046.2	1
17	78	7095	-1	-1	0	0	0	1037.3	3.1	0.5	0.0	1040.4	6

ASTA NUM. 75 NI 172 NF 168 Lungh. 77.8 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.8595	-1.4649	--	--	2.9529	-4.3715 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6643	2	1	0	-0	-0	971.2	3.2	0.7	0.0	974.4	6	
1E	0	-6621	2	1	0	-0	-0	968.0	3.2	0.7	0.0	971.2	6	
1I	0	-6667	2	1	0	-0	-0	974.7	3.2	0.7	0.0	978.0	6	
1M	0	-6597	2	1	0	-0	-0	964.4	3.2	0.7	0.0	967.7	6	
2	0	-9257	-1	1	0	-0	-0	1353.4	4.6	0.5	0.0	1358.0	6	
3	0	-4689	-1	1	0	0	-0	685.5	2.5	0.3	0.0	688.0	6	
4	0	-5098	-1	1	0	0	-0	745.3	3.0	0.3	0.0	748.4	6	
5	0	-5289	-1	1	0	-0	-0	773.2	2.5	0.3	0.0	775.8	6	
6	0	-11100	2	1	0	-0	-0	1622.8	5.4	0.6	0.0	1628.2	6	
7	0	-5351	1	1	0	0	-0	782.3	2.7	0.4	0.0	785.0	6	
8	0	-6218	1	1	0	0	-0	909.1	3.5	0.4	0.0	912.6	6	
9	0	-6492	1	1	0	-0	-0	949.1	3.0	0.4	0.0	952.1	6	
10	0	-10810	-1	1	0	-0	-0	1580.4	5.3	0.5	0.0	1585.8	6	
11	0	-5625	-1	1	0	-0	-0	822.4	2.8	0.3	0.0	825.2	6	
12	0	-6114	-1	1	0	0	-0	893.9	3.4	0.3	0.0	897.2	6	
13	0	-6112	-1	1	0	-0	-0	893.6	2.9	0.3	0.0	896.5	6	
14	0	-12420	2	1	0	-0	-0	1815.8	6.2	0.7	0.0	1822.0	6	
15	0	-6144	1	1	0	0	-0	898.2	3.2	0.4	0.0	901.4	6	
16	0	-7090	1	1	0	0	-0	1036.5	4.0	0.4	0.0	1040.5	6	
17	0	-7054	1	1	0	-0	-0	1031.3	3.3	0.4	0.0	1034.6	6	
1A	39	-6645	0	1	0	-0	0	971.5	5.9	0.3	0.0	977.4	1	
1E	39	-6623	0	1	0	-0	0	968.3	5.9	0.3	0.0	974.2	1	
1I	39	-6669	0	1	0	-0	0	975.0	5.8	0.3	0.0	980.9	1	
1M	39	-6599	0	1	0	-0	0	964.7	5.8	0.3	0.0	970.6	1	
2	39	-9262	1	1	0	-0	-0	1354.1	8.5	0.4	0.0	1362.6	1	
3	39	-4692	0	1	0	-0	-0	686.0	5.3	0.3	0.0	691.2	1	
4	39	-5101	0	1	0	-0	-0	745.8	5.7	0.3	0.0	751.5	1	
5	39	-5292	0	1	0	-0	-0	773.7	5.3	0.2	0.0	779.0	1	
6	39	-11105	1	1	0	-0	0	1623.5	7.3	0.4	0.0	1630.9	1	
7	39	-5353	0	1	0	-0	0	782.5	4.4	0.3	0.0	786.9	1	
8	39	-6220	0	1	0	-0	0	909.3	4.9	0.3	0.0	914.2	1	
9	39	-6494	0	1	0	-0	0	949.4	4.7	0.2	0.0	954.1	1	
10	39	-10815	1	1	0	-0	-0	1581.1	8.7	0.4	0.0	1589.8	1	
11	39	-5628	0	1	0	-0	-0	822.8	5.4	0.3	0.0	828.2	6	
12	39	-6117	0	1	0	-0	-0	894.3	6.0	0.3	0.0	900.3	1	
13	39	-6115	0	1	0	-0	-0	893.9	5.3	0.2	0.0	899.3	1	
14	39	-12425	1	1	0	-0	0	1816.5	7.7	0.4	0.0	1824.2	1	
15	39	-6146	0	1	0	-0	0	898.5	4.3	0.3	0.0	902.9	1	
16	39	-7092	0	1	0	-0	0	1036.8	5.2	0.4	0.0	1042.0	1	
17	39	-7056	0	1	0	-0	0	1031.6	4.4	0.2	0.0	1036.0	1	
1A	78	-6647	-1	1	0	-1	0	971.8	9.9	0.3	0.0	981.7	1	
1E	78	-6625	-1	1	0	-1	0	968.6	9.9	0.3	0.0	978.5	1	
1I	78	-6671	-1	1	0	-1	0	975.3	9.8	0.3	0.0	985.1	1	
1M	78	-6601	-1	1	0	-1	0	965.0	9.8	0.3	0.0	974.8	1	
2	78	-9267	2	1	0	-1	0	1354.8	13.7	1.0	0.0	1368.6	1	
3	78	-4695	1	1	0	-0	0	686.4	8.6	0.6	0.0	695.0	1	
4	78	-5104	2	1	0	-1	0	746.2	10.3	0.6	0.0	756.5	1	
5	78	-5295	2	1	0	-0	0	774.1	8.5	0.6	0.0	782.7	1	
6	78	-11110	0	1	0	-1	0	1624.3	14.1	0.4	0.0	1638.3	1	
7	78	-5354	-0	1	0	-0	0	782.7	8.8	0.3	0.0	791.5	1	
8	78	-6221	0	1	0	-1	0	909.5	10.8	0.3	0.0	920.3	1	
9	78	-6496	-0	1	0	-0	0	949.7	8.8	0.2	0.0	958.5	1	
10	78	-10820	3	1	0	-1	0	1581.9	13.6	1.1	0.0	1595.5	1	
11	78	-5631	2	1	0	-0	0	823.2	8.5	0.6	0.0	831.7	1	
12	78	-6120	2	1	0	-1	0	894.7	10.7	0.7	0.0	905.4	1	
13	78	-6117	2	1	0	-0	0	894.3	8.3	0.6	0.0	902.6	1	
14	78	-12430	-0	1	0	-1	0	1817.3	14.7	0.4	0.0	1832.0	1	
15	78	-6148	-0	1	0	-0	0	898.8	8.7	0.3	0.0	907.6	1	
16	78	-7094	0	1	0	-1	0	1037.1	11.5	0.4	0.0	1048.6	1	
17	78	-7058	-0	1	0	-0	0	1031.9	8.5	0.2	0.0	1040.3	1	

ASTA NUM. 76 NI 169 NF 172 Lungh. 84.0 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.0303	1.2576	--	--	3.4008	9.6887 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	7130	2	0	0	0	-0	1042.4	1.9	0.8	0.0	1044.3	1	
1E	0	7154	2	0	0	0	-0	1045.9	1.9	0.8	0.0	1047.8	1	
1I	0	7104	2	0	0	0	-0	1038.6	1.8	0.8	0.0	1040.4	6	
1M	0	7180	2	0	0	0	-0	1049.7	1.8	0.8	0.0	1051.5	6	
2	0	9973	6	0	0	0	-0	1458.0	2.1	2.4	0.0	1460.1	6	
3	0	5049	3	0	0	0	-0	738.2	0.8	1.5	0.0	738.9	6	
4	0	5491	3	0	0	-0	-0	802.8	0.7	1.5	0.0	803.5	6	
5	0	5697	4	0	0	0	-0	832.9	1.1	1.5	0.0	834.0	1	
6	0	11960	3	0	0	0	-0	1748.5	3.3	1.4	0.0	1751.8	6	
7	0	5761	2	0	0	0	-0	842.3	1.3	0.9	0.0	843.5	6	
8	0	6697	2	0	0	-0	-0	979.1	1.3	0.9	0.0	980.4	6	
9	0	6993	2	0	0	0	-0	1022.4	1.9	0.9	0.0	1024.2	6	
10	0	11650	6	0	0	0	-0	1703.2	2.9	2.4	0.0	1706.1	6	
11	0	6060	4	0	0	0	-0	886.0	1.2	1.5	0.0	887.2	6	
12	0	6588	4	0	0	-0	-0	963.2	1.0	1.5	0.0	964.2	6	
13	0	6586	4	0	0	0	-0	962.9	1.5	1.5	0.0	964.4	6	
14	0	13390	4	0	0	0	-0	1957.6	3.7	1.5	0.0	1961.3	6	
15	0	6619	2	0	0	0	-0	967.7	1.6	0.9	0.0	969.3	6	
16	0	7639	2	0	0	-0	-0	1116.8	1.6	0.9	0.0	1118.4	6	
17	0	7601	2	0	0	0	-0	1111.3	2.1	0.9	0.0	1113.4	6	
1A	42	7132	0	0	0	0	0	1042.6	6.5	0.2	0.0	1049.2	6	
1E	42	7155	0	0	0	0	0	1046.1	6.5	0.2	0.0	1052.7	6	
1I	42	7106	0	0	0	0	0	1038.8	6.5	0.2	0.0	1045.3	6	
1M	42	7181	0	0	0	0	0	1049.9	6.5	0.2	0.0	1056.4	6	
2	42	9973	0	0	0	0	1	1458.0	19.9	0.2	0.0	1478.0	6	
3	42	5049	0	0	0	0	1	738.2	12.2	0.1	0.0	750.3	6	
4	42	5491	0	0	0	-0	1	802.8	12.2	0.1	0.0	815.0	6	
5	42	5697	0	0	0	0	1	832.9	12.5	0.1	0.0	845.4	6	
6	42	11960	1	0	0	0	1	1748.5	12.0	0.3	0.0	1760.6	6	
7	42	5763	0	0	0	0	0	842.5	7.1	0.1	0.0	849.6	6	
8	42	6698	0	0	0	-0	0	979.2	7.1	0.1	0.0	986.4	6	
9	42	6995	0	0	0	0	0	1022.6	7.6	0.2	0.0	1030.2	6	
10	42	11650	1	0	0	0	1	1703.2	20.1	0.2	0.0	1723.3	6	
11	42	6060	0	0	0	0	1	886.0	12.3	0.1	0.0	898.3	6	
12	42	6588	0	0	0	-0	1	963.2	12.2	0.1	0.0	975.4	6	
13	42	6586	0	0	0	0	1	962.9	12.6	0.1	0.0	975.5	6	
14	42	13390	1	0	0	0	1	1957.6	12.5	0.3	0.0	1970.1	6	
15	42	6620	0	0	0	0	0	967.8	7.1	0.1	0.0	974.9	6	
16	42	7640	0	0	0	-0	0	1117.0	7.1	0.2	0.0	1124.1	6	
17	42	7602	0	0	0	0	0	1111.4	7.5	0.2	0.0	1118.9	6	
1A	84	7133	-1	0	0	0	0	1042.9	4.1	0.4	0.0	1046.9	6	
1E	84	7157	-1	0	0	0	0	1046.3	4.1	0.4	0.0	1050.4	6	
1I	84	7107	-1	0	0	0	0	1039.0	4.1	0.4	0.0	1043.1	6	
1M	84	7183	-1	0	0	0	0	1050.1	4.1	0.4	0.0	1054.2	6	
2	84	9973	-5	0	0	0	0	1458.0	5.3	2.0	0.0	1463.3	6	
3	84	5049	-3	0	0	-0	0	738.2	2.5	1.3	0.0	740.7	6	
4	84	5491	-3	0	0	-0	0	802.8	2.8	1.3	0.0	805.5	6	
5	84	5697	-3	0	0	0	0	832.9	3.3	1.2	0.0	836.2	6	
6	84	11960	-2	0	0	0	0	1748.5	6.6	0.9	0.0	1755.2	6	
7	84	5764	-1	0	0	-0	0	842.7	3.0	0.6	0.0	845.7	6	
8	84	6699	-1	0	0	-0	0	979.4	3.4	0.6	0.0	982.8	6	
9	84	6996	-1	0	0	0	0	1022.8	4.2	0.6	0.0	1027.0	6	
10	84	11650	-5	0	0	0	0	1703.2	6.2	1.9	0.0	1709.4	6	
11	84	6060	-3	0	0	0	0	886.0	3.1	1.2	0.0	889.0	6	
12	84	6588	-3	0	0	-0	0	963.2	3.2	1.2	0.0	966.4	6	
13	84	6586	-3	0	0	0	0	962.9	3.7	1.2	0.0	966.6	6	
14	84	13390	-2	0	0	0	0	1957.6	7.0	0.9	0.0	1964.6	6	
15	84	6621	-1	0	0	0	0	968.0	3.2	0.6	0.0	971.2	6	
16	84	7641	-1	0	0	-0	0	1117.1	3.7	0.6	0.0	1120.8	6	
17	84	7603	-1	0	0	0	0	1111.5	4.3	0.6	0.0	1115.8	6	

ASTA NUM. 77 NI 173 NF 169 Lungh. 72.6 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-6.7283	-1.6821	--	--	2.3954	-6.0150 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-6160	1	0	0	0	0	900.6	1.6	0.5	0.0	902.2	1	
1E	0	-6140	1	0	0	0	0	897.6	1.6	0.5	0.0	899.2	1	
1I	0	-6183	1	0	0	0	0	903.9	1.4	0.5	0.0	905.3	1	
1M	0	-6117	1	0	0	0	0	894.4	1.4	0.5	0.0	895.8	1	
2	0	-8586	-2	0	0	0	0	1255.3	1.9	0.8	0.0	1257.2	1	
3	0	-4343	-1	0	0	0	0	634.9	1.4	0.6	0.0	636.3	1	
4	0	-4724	-1	0	0	0	0	690.6	1.8	0.5	0.0	692.5	1	
5	0	-4902	-1	0	0	0	0	716.7	1.5	0.6	0.0	718.1	1	
6	0	-10300	1	0	0	0	0	1505.8	2.0	0.4	0.0	1507.9	1	
7	0	-4959	0	0	0	0	0	725.0	1.5	0.2	0.0	726.5	1	
8	0	-5768	1	0	0	0	0	843.3	2.0	0.2	0.0	845.3	1	
9	0	-6024	1	0	0	0	0	880.7	1.6	0.2	0.0	882.3	1	
10	0	-10040	-2	0	0	0	0	1467.8	2.0	0.8	0.0	1469.8	1	
11	0	-5216	-1	0	0	0	0	762.6	1.4	0.5	0.0	764.0	1	
12	0	-5673	-1	0	0	0	0	829.4	1.9	0.5	0.0	831.3	1	
13	0	-5671	-1	0	0	0	0	829.1	1.4	0.5	0.0	830.5	1	
14	0	-11540	1	0	0	0	-0	1687.1	2.1	0.5	0.0	1689.2	1	
15	0	-5701	1	0	0	0	0	833.5	1.4	0.2	0.0	834.8	1	
16	0	-6582	1	0	0	0	-0	962.3	2.4	0.3	0.0	964.7	1	
17	0	-6549	1	0	0	0	0	957.5	1.3	0.3	0.0	958.8	1	
1A	36	-6162	0	0	0	0	0	900.9	5.2	0.2	0.0	906.0	6	
1E	36	-6141	0	0	0	0	0	897.8	5.2	0.2	0.0	903.0	6	
1I	36	-6184	0	0	0	0	0	904.1	5.2	0.1	0.0	909.3	6	
1M	36	-6119	0	0	0	0	0	894.6	5.2	0.1	0.0	899.8	6	
2	36	-8590	0	0	0	0	-0	1255.8	3.8	0.2	0.0	1259.7	6	
3	36	-4346	0	0	0	0	-0	635.3	2.9	0.1	0.0	638.2	6	
4	36	-4727	0	0	0	0	-0	691.1	3.0	0.1	0.0	694.1	6	
5	36	-4905	0	0	0	0	-0	717.1	2.5	0.1	0.0	719.6	6	
6	36	-10305	1	0	0	0	0	1506.6	5.2	0.3	0.0	1511.7	6	
7	36	-4961	0	0	0	0	0	725.3	2.7	0.1	0.0	728.0	6	
8	36	-5770	0	0	0	0	0	843.5	3.2	0.2	0.0	846.6	6	
9	36	-6026	0	0	0	0	0	880.9	3.2	0.1	0.0	884.1	6	
10	36	-10045	1	0	0	0	-0	1468.6	3.3	0.2	0.0	1471.8	6	
11	36	-5219	0	0	0	0	-0	763.0	2.5	0.1	0.0	765.6	6	
12	36	-5676	0	0	0	0	-0	829.8	2.7	0.1	0.0	832.4	6	
13	36	-5674	0	0	0	0	-0	829.5	2.2	0.1	0.0	831.7	6	
14	36	-11540	1	0	0	0	0	1687.1	5.6	0.3	0.0	1692.8	6	
15	36	-5703	0	0	0	0	0	833.7	2.9	0.1	0.0	836.6	6	
16	36	-6584	0	0	0	0	0	962.6	3.4	0.2	0.0	966.0	6	
17	36	-6551	0	0	0	0	0	957.7	3.2	0.2	0.0	961.0	6	
1A	73	-6163	-1	0	0	-0	0	901.1	5.2	0.2	0.0	906.3	6	
1E	73	-6143	-1	0	0	-0	0	898.0	5.2	0.2	0.0	903.2	6	
1I	73	-6186	-1	0	0	-0	0	904.3	5.1	0.2	0.0	909.5	6	
1M	73	-6120	-1	0	0	-0	0	894.8	5.1	0.2	0.0	899.9	6	
2	73	-8594	3	0	0	-0	0	1256.4	6.7	1.2	0.0	1263.1	6	
3	73	-4348	2	0	0	-0	0	635.7	2.9	0.7	0.0	638.6	6	
4	73	-4730	2	0	0	-0	0	691.5	3.3	0.7	0.0	694.8	6	
5	73	-4908	2	0	0	-0	0	717.5	3.7	0.7	0.0	721.2	6	
6	73	-10310	0	0	0	-0	1	1507.3	8.9	0.2	0.0	1516.2	6	
7	73	-4963	0	0	0	-0	0	725.6	3.7	0.1	0.0	729.3	6	
8	73	-5771	0	0	0	-0	0	843.7	4.6	0.1	0.0	848.3	6	
9	73	-6027	0	0	0	-0	0	881.1	5.1	0.1	0.0	886.2	6	
10	73	-10050	3	0	0	-0	0	1469.3	8.2	1.3	0.0	1477.5	6	
11	73	-5222	2	0	0	-0	0	763.5	3.8	0.7	0.0	767.3	6	
12	73	-5678	2	0	0	-0	0	830.1	4.3	0.8	0.0	834.4	6	
13	73	-5676	2	0	0	-0	0	829.8	4.4	0.8	0.0	834.3	6	
14	73	-11540	0	0	0	-0	1	1687.1	10.0	0.2	0.0	1697.1	6	
15	73	-5704	0	0	0	-0	0	833.9	4.5	0.1	0.0	838.4	6	
16	73	-6586	0	0	0	-0	0	962.9	5.4	0.1	0.0	968.3	6	
17	73	-6553	0	0	0	-0	0	958.0	5.5	0.1	0.0	963.6	6	

ASTA NUM. 78 NI 143 NF 173 Lungh. 90.9 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.2914	1.0729	--	--	3.7552	9.1195 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	7661	1	0	0	-0	1	1120.0	9.5	0.5	0.0	1129.6	6	
1E	0	7687	1	0	0	-0	1	1123.8	9.5	0.5	0.0	1133.4	6	
1I	0	7633	1	0	0	-0	1	1116.0	9.7	0.5	0.0	1125.7	6	
1M	0	7715	1	0	0	-0	1	1127.9	9.7	0.5	0.0	1137.6	6	
2	0	10720	5	0	0	-0	1	1567.3	9.5	2.0	0.0	1576.7	6	
3	0	5420	3	0	0	-0	0	792.4	4.2	1.3	0.0	796.6	6	
4	0	5897	3	0	0	-0	0	862.1	5.4	1.3	0.0	867.5	6	
5	0	6120	3	0	0	-0	0	894.7	5.8	1.3	0.0	900.6	6	
6	0	12870	2	0	0	-0	1	1881.6	15.0	1.0	0.0	1896.6	6	
7	0	6189	2	0	0	-0	0	904.8	7.0	0.6	0.0	911.8	6	
8	0	7200	1	0	0	-0	1	1052.6	8.8	0.6	0.0	1061.5	6	
9	0	7521	1	0	0	-0	1	1099.6	9.5	0.6	0.0	1109.1	6	
10	0	12540	5	0	0	-0	1	1833.3	11.0	2.0	0.0	1844.3	6	
11	0	6514	3	0	0	-0	0	952.3	5.2	1.3	0.0	957.5	6	
12	0	7085	3	0	0	-0	0	1035.8	6.5	1.3	0.0	1042.4	6	
13	0	7082	3	0	0	-0	0	1035.4	6.5	1.2	0.0	1041.9	6	
14	0	14410	2	0	0	-0	1	2106.7	15.5	1.0	0.0	2122.2	6	
15	0	7117	2	0	0	-0	0	1040.5	7.3	0.6	0.0	1047.8	6	
16	0	8220	1	0	0	-0	1	1201.8	9.5	0.6	0.0	1211.2	6	
17	0	8178	1	0	0	-0	1	1195.6	9.4	0.6	0.0	1205.0	6	
1A	45	7663	-1	0	0	-0	1	1120.3	12.1	0.2	0.0	1132.4	6	
1E	45	7689	-1	0	0	-0	1	1124.1	12.1	0.2	0.0	1136.2	6	
1I	45	7635	-1	0	0	-0	1	1116.3	12.1	0.2	0.0	1128.4	6	
1M	45	7717	-1	0	0	-0	1	1128.1	12.1	0.2	0.0	1140.3	6	
2	45	10720	-1	0	0	-0	2	1567.3	25.5	0.2	0.0	1592.7	6	
3	45	5420	-0	0	0	-0	1	792.3	14.8	0.1	0.0	807.1	6	
4	45	5897	-0	0	0	-0	1	862.1	15.6	0.1	0.0	877.8	6	
5	45	6120	-0	0	0	-0	1	894.7	16.0	0.1	0.0	910.7	6	
6	45	12870	-1	0	0	-0	1	1881.6	20.7	0.4	0.0	1902.3	6	
7	45	6190	-0	0	0	-0	1	905.0	11.3	0.2	0.0	916.3	6	
8	45	7201	-0	0	0	-0	1	1052.8	12.7	0.2	0.0	1065.5	6	
9	45	7522	-1	0	0	-0	1	1099.7	13.2	0.2	0.0	1112.9	6	
10	45	12540	-1	0	0	-0	2	1833.3	26.6	0.3	0.0	1859.9	6	
11	45	6514	-0	0	0	-0	1	952.3	15.4	0.1	0.0	967.7	6	
12	45	7085	-0	0	0	-0	1	1035.7	16.5	0.1	0.0	1052.2	6	
13	45	7082	-0	0	0	-0	1	1035.3	16.5	0.1	0.0	1051.8	6	
14	45	14410	-1	0	0	-0	1	2106.7	21.8	0.4	0.0	2128.5	6	
15	45	7118	-0	0	0	-0	1	1040.6	11.6	0.2	0.0	1052.3	6	
16	45	8221	-0	0	0	-0	1	1201.9	13.2	0.2	0.0	1215.1	6	
17	45	8180	-0	0	0	-0	1	1195.8	13.1	0.2	0.0	1209.0	6	
1A	91	7665	-2	0	0	-0	0	1120.6	2.2	0.9	0.0	1122.8	1	
1E	91	7691	-2	0	0	-0	0	1124.4	2.2	0.9	0.0	1126.6	1	
1I	91	7637	-2	0	0	-0	0	1116.6	2.0	1.0	0.0	1118.6	1	
1M	91	7719	-2	0	0	-0	0	1128.4	2.0	1.0	0.0	1130.4	1	
2	91	10720	-6	0	0	-0	0	1567.3	2.4	2.5	0.0	1569.6	1	
3	91	5419	-4	0	0	-0	0	792.3	1.3	1.5	0.0	793.5	1	
4	91	5897	-4	0	0	-0	0	862.1	2.1	1.5	0.0	864.3	1	
5	91	6120	-4	0	0	-0	0	894.7	1.7	1.5	0.0	896.4	1	
6	91	12870	-4	0	0	-0	0	1881.6	3.2	1.7	0.0	1884.7	6	
7	91	6191	-2	0	0	-0	0	905.1	1.7	1.0	0.0	906.8	1	
8	91	7202	-2	0	0	-0	0	1052.9	2.8	1.0	0.0	1055.7	1	
9	91	7523	-2	0	0	-0	0	1099.9	2.3	1.0	0.0	1102.1	1	
10	91	12540	-6	0	0	-0	0	1833.3	2.8	2.5	0.0	1836.1	1	
11	91	6513	-4	0	0	-0	0	952.2	1.5	1.5	0.0	953.7	1	
12	91	7084	-4	0	0	-0	0	1035.7	2.5	1.5	0.0	1038.2	1	
13	91	7081	-4	0	0	-0	0	1035.2	1.8	1.5	0.0	1037.0	1	
14	91	14410	-4	0	0	-0	0	2106.7	3.5	1.7	0.0	2110.2	6	
15	91	7119	-2	0	0	-0	0	1040.8	1.9	1.0	0.0	1042.7	1	
16	91	8222	-2	0	0	-0	0	1202.0	3.1	1.0	0.0	1205.2	1	
17	91	8181	-2	0	0	-0	0	1196.1	2.3	1.0	0.0	1198.4	6	

ASTA NUM. 79 NI 182 NF 178 Lungh. 42.8 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	10.9115	10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-489	0	0	0	0	0	35.2	2.4	0.1	0.0	37.6	6	
1E	0	-461	0	0	0	0	0	33.1	2.4	0.1	0.0	35.5	6	
1I	0	-480	0	-1	0	-0	0	34.5	2.3	0.1	0.0	36.8	6	
1M	0	-470	0	-1	0	-0	0	33.8	2.3	0.1	0.0	36.1	6	
2	0	62	1	-1	0	-0	0	4.5	2.6	0.2	0.0	7.1	6	
3	0	948	1	-1	0	-0	0	68.2	1.4	0.2	0.0	69.6	6	
4	0	1772	1	-0	0	-0	0	127.5	0.8	0.2	0.0	128.2	1	
5	0	-1063	0	-1	0	-0	0	76.5	1.8	0.1	0.0	78.3	6	
6	0	-652	0	-1	0	-0	1	46.9	3.7	0.3	0.0	50.7	6	
7	0	817	0	-1	0	-0	0	58.7	2.1	0.2	0.0	60.8	6	
8	0	2232	1	-1	0	-0	0	160.6	0.9	0.2	0.0	161.4	1	
9	0	-1978	-0	-1	0	-0	0	142.3	2.6	0.2	0.0	144.9	6	
10	0	-423	1	-1	0	-0	0	30.4	1.3	0.2	0.0	31.7	1	
11	0	614	1	-1	0	-0	0	44.2	0.9	0.2	0.0	45.1	1	
12	0	416	1	-0	0	-0	0	29.9	0.5	0.2	0.0	30.5	1	
13	0	-970	1	-1	0	-0	0	69.8	0.9	0.2	0.0	70.7	6	

14	0	-408	1	-1	0	-0	0	29.3	1.4	0.3	0.0	30.8	6
15	0	959	1	-1	0	-0	0	69.0	0.9	0.2	0.0	69.9	1
16	0	616	1	-0	0	-0	0	44.3	0.5	0.2	0.0	44.9	6
17	0	-1124	1	-1	0	-0	0	80.9	1.0	0.2	0.0	81.9	6
1A	21	-489	-2	0	0	0	0	35.2	1.2	0.4	0.0	36.4	6
1E	21	-461	-2	0	0	0	0	33.1	1.2	0.4	0.0	34.3	6
1I	21	-480	-2	-1	0	0	0	34.5	1.2	0.4	0.0	35.7	6
1M	21	-470	-2	-1	0	0	0	33.8	1.2	0.4	0.0	35.0	6
2	21	62	-2	-1	0	0	0	4.5	1.2	0.5	0.0	5.7	6
3	21	948	-1	-1	0	0	0	68.2	0.6	0.3	0.0	68.8	6
4	21	1772	-1	-0	0	-0	0	127.5	0.4	0.2	0.0	127.9	6
5	21	-1063	-2	-1	0	0	0	76.5	1.0	0.3	0.0	77.5	6
6	21	-652	-3	-1	0	0	0	46.9	1.5	0.6	0.0	48.4	6
7	21	817	-2	-1	0	0	0	58.7	0.7	0.4	0.0	59.5	6
8	21	2232	-1	-1	0	-0	0	160.6	0.2	0.2	0.0	160.8	6
9	21	-1978	-2	-1	0	0	0	142.3	1.3	0.4	0.0	143.6	6
10	21	-423	-2	-1	0	0	0	30.4	0.8	0.4	0.0	31.2	1
11	21	614	-1	-1	0	0	0	44.2	0.3	0.2	0.0	44.5	1
12	21	416	-1	-0	0	0	0	29.9	0.6	0.2	0.0	30.5	6
13	21	-970	-1	-1	0	0	0	69.8	0.6	0.3	0.0	70.4	1
14	21	-408	-2	-1	0	0	0	29.3	0.9	0.5	0.0	30.2	1
15	21	959	-1	-1	0	0	0	69.0	0.3	0.3	0.0	69.3	1
16	21	616	-1	-0	0	0	0	44.3	0.5	0.2	0.0	44.9	6
17	21	-1124	-1	-1	0	0	0	80.9	0.7	0.3	0.0	81.5	1
1A	43	-489	-4	0	0	0	-1	35.2	3.5	0.9	0.0	38.7	6
1E	43	-461	-4	0	0	0	-1	33.1	3.5	0.9	0.0	36.6	6
1I	43	-480	-4	-1	0	0	-1	34.5	3.7	0.9	0.0	38.2	6
1M	43	-470	-4	-1	0	0	-1	33.8	3.7	0.9	0.0	37.6	6
2	43	62	-6	-1	0	0	-1	4.5	5.3	1.2	0.0	9.8	6
3	43	948	-3	-1	0	0	-0	68.2	3.2	0.7	0.0	71.4	6
4	43	1772	-3	-0	0	0	-0	127.5	2.3	0.6	0.0	129.8	6
5	43	-1063	-4	-1	0	0	-0	76.5	3.1	0.7	0.0	79.6	6
6	43	-652	-6	-1	0	0	-1	46.9	6.1	1.3	0.0	53.0	6
7	43	817	-4	-1	0	0	-0	58.7	3.6	0.8	0.0	62.3	6
8	43	2232	-3	-1	0	0	-0	160.6	2.7	0.6	0.0	163.3	6
9	43	-1978	-4	-1	0	0	-0	142.3	3.7	0.8	0.0	146.0	6
10	43	-423	-5	-1	0	0	-1	30.4	5.4	1.1	0.0	35.8	6
11	43	614	-3	-1	0	0	-0	44.2	3.2	0.6	0.0	47.4	6
12	43	416	-3	-0	0	0	-0	29.9	2.2	0.6	0.0	32.2	6
13	43	-970	-3	-1	0	0	-0	69.8	3.2	0.7	0.0	73.0	6
14	43	-408	-6	-1	0	0	-1	29.3	6.2	1.2	0.0	35.5	6
15	43	959	-3	-1	0	0	-0	69.0	3.6	0.7	0.0	72.6	6
16	43	616	-3	-0	0	0	-0	44.3	2.4	0.6	0.0	46.8	6
17	43	-1124	-4	-1	0	0	-0	80.9	3.7	0.7	0.0	84.5	6

ASTA NUM. 80 NI 179 NF 182 Lungh. 42.8 cm SEZ. 17 Ps L 90X 8

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 10.9115 10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-678	2	1	0	0	0	48.8	1.7	0.4	0.0	50.5	6	
1E	0	-650	2	1	0	0	0	46.7	1.7	0.4	0.0	48.4	6	
1I	0	-669	2	0	0	-0	0	48.1	1.5	0.4	0.0	49.6	6	
1M	0	-659	2	0	0	-0	0	47.4	1.5	0.4	0.0	48.9	6	
2	0	-312	3	0	0	-0	0	22.4	2.0	0.6	0.0	24.4	6	
3	0	1006	2	0	0	-0	0	72.4	1.0	0.4	0.0	73.4	6	
4	0	1587	1	-0	0	-0	0	114.2	1.3	0.3	0.0	115.5	6	
5	0	-1367	2	0	0	-0	0	98.3	1.3	0.4	0.0	99.7	6	
6	0	-964	3	-0	0	-0	0	69.3	2.9	0.6	0.0	72.2	6	
7	0	1072	2	0	0	-0	0	77.1	1.6	0.4	0.0	78.7	6	
8	0	2088	1	-0	0	-0	0	150.2	1.9	0.2	0.0	152.2	6	
9	0	-2296	2	-0	0	-0	0	165.2	2.0	0.4	0.0	167.1	6	
10	0	-690	2	-0	0	-0	0	49.7	2.3	0.5	0.0	52.0	6	
11	0	740	1	0	0	-0	0	53.2	1.3	0.3	0.0	54.5	6	
12	0	298	1	-0	0	-0	0	21.4	1.7	0.3	0.0	23.1	6	
13	0	-1172	2	-0	0	-0	0	84.3	1.4	0.3	0.0	85.7	6	
14	0	-719	2	-0	0	-0	0	51.7	2.8	0.5	0.0	54.6	6	
15	0	1216	1	0	0	-0	0	87.5	1.6	0.3	0.0	89.1	6	
16	0	472	1	-0	0	-0	0	33.9	2.2	0.2	0.0	36.2	6	
17	0	-1384	1	-0	0	-0	0	99.6	1.7	0.3	0.0	101.3	6	
1A	21	-678	-0	1	0	-0	0	48.8	3.1	0.2	0.0	51.9	6	
1E	21	-650	-0	1	0	-0	0	46.7	3.1	0.2	0.0	49.9	6	
1I	21	-669	-0	0	0	-0	0	48.1	3.1	0.1	0.0	51.2	6	
1M	21	-659	-0	0	0	-0	0	47.4	3.1	0.1	0.0	50.5	6	
2	21	-312	-0	0	0	-0	1	22.4	3.7	0.1	0.0	26.1	6	
3	21	1006	-0	0	0	-0	0	72.4	2.1	0.0	0.0	74.5	6	
4	21	1587	-1	-0	0	-0	0	114.2	1.8	0.1	0.0	116.0	6	
5	21	-1367	-0	0	0	-0	0	98.3	2.5	0.0	0.0	100.8	6	
6	21	-964	-0	-0	0	-0	1	69.3	4.6	0.1	0.0	73.9	6	
7	21	1072	-0	0	0	-0	0	77.1	2.6	0.1	0.0	79.7	6	
8	21	2088	-1	-0	0	-0	0	150.2	2.0	0.2	0.0	152.3	6	
9	21	-2296	-0	-0	0	-0	0	165.2	3.1	0.0	0.0	168.3	6	
10	21	-690	-1	-0	0	-0	0	49.7	3.2	0.2	0.0	52.9	6	
11	21	740	-1	0	0	-0	0	53.2	1.8	0.1	0.0	55.0	6	
12	21	298	-1	-0	0	-0	0	21.4	2.0	0.1	0.0	23.4	6	
13	21	-1172	-1	-0	0	-0	0	84.3	2.0	0.1	0.0	86.4	6	
14	21	-719	-1	-0	0	-0	1	51.7	3.5	0.2	0.0	55.3	6	
15	21	1216	-1	0	0	-0	0	87.5	1.9	0.2	0.0	89.4	6	
16	21	472	-1	-0	0	-0	0	33.9	2.2	0.2	0.0	36.2	6	
17	21	-1384	-1	-0	0	-0	0	99.6	2.2	0.1	0.0	101.8	6	
1A	43	-678	-2	1	0	-0	0	48.8	2.6	0.5	0.0	51.3	1	
1E	43	-650	-2	1	0	-0	0	46.7	2.6	0.5	0.0	49.3	1	
1I	43	-669	-2	0	0	-0	0	48.1	1.5	0.5	0.0	49.6	6	
1M	43	-659	-2	0	0	-0	0	47.4	1.5	0.5	0.0	48.9	6	
2	43	-312	-4	0	0	-0	0	22.4	1.2	0.7	0.0	23.6	1	
3	43	1006	-2	0	0	-0	0	72.4	0.8	0.5	0.0	73.2	1	
4	43	1587	-3	-0	0	-0	-0	114.2	0.8	0.5	0.0	115.0	6	
5	43	-1367	-2	0	0	-0	0	98.3	0.9	0.4	0.0	99.3	6	
6	43	-964	-4	-0	0	-0	0	69.3	1.9	0.7	0.0	71.2	6	
7	43	1072	-2	0	0	-0	0	77.1	1.0	0.5	0.0	78.1	1	
8	43	2088	-3	-0	0	-0	-0	150.2	1.0	0.6	0.0	151.3	6	
9	43	-2296	-2	-0	0	-0	0	165.2	1.5	0.4	0.0	166.6	6	
10	43	-690	-4	-0	0	-0	-0	49.7	0.8	0.9	0.0	50.5	1	
11	43	740	-3	0	0	-0	-0	53.2	0.8	0.5	0.0	54.0	6	
12	43	298	-3	-0	0	-0	-0	21.4	0.5	0.5	0.0	22.0	6	
13	43	-1172	-3	-0	0	-0	-0	84.3	0.3	0.5	0.0	84.7	1	
14	43	-719	-5	-0	0	-0	-0	51.7	0.9	0.9	0.0	52.6	6	
15	43	1216	-3	0	0	-0	-0	87.5	1.0	0.6	0.0	88.4	6	
16	43	472	-3	-0	0	-0	-0	33.9	0.6	0.6	0.0	34.6	6	
17	43	-1384	-3	-0	0	-0	-0	99.6	0.3	0.5	0.0	99.9	1	

ASTA NUM. 81 NI 194 NF 146 Lungh. 30.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 10.9115 10.9115 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	20283	-6	-4	0	-1	-1	1459.2	6.8	1.3	0.0	1466.0	1	
1E	0	20337	-6	-4	0	-1	-1	1463.1	6.8	1.3	0.0	1469.8	1	
1I	0	20229	-7	-3	0	-1	-1	1455.3	6.9	1.3	0.0	1462.2	1	
1M	0	20391	-7	-3	0	-1	-1	1467.0	6.9	1.3	0.0	1473.8	1	
2	0	27310	-7	-9	0	-1	-1	1964.7	8.0	1.7	0.0	1972.8	1	
3	0	16530	-5	-6	0	-1	-0	1189.2	5.1	1.1	0.0	1194.3	1	
4	0	16190	-5	-5	0	-1	-0	1164.7	4.6	1.0	0.0	1169.3	1	
5	0	15880	-5	-5	0	-1	-0	1142.4	4.5	1.0	0.0	1146.9	1	
6	0	33340	-9	-8	0	-1	-1	2398.6	11.7	1.8	0.0	2410.3	1	
7	0	20100	-5	-5	0	-1	-1	1446.0	7.5	1.1	0.0	1453.6	1	
8	0	20060	-5	-4	0	-1	-1	1443.2	6.9	1.1	0.0	1450.1	1	
9	0	19670	-5	-4	0	-1	-1	1415.1	6.8	1.1	0.0	1421.9	6	
10	0	26350	-7	-9	0	-1	-1	1895.7	8.0	1.8	0.0	1903.7	1	
11	0	15810	-5	-6	0	-1	-0	1137.4	5.1	1.2	0.0	1142.5	1	
12	0	15620	-5	-5	0	-1	-0	1123.7	4.6	1.0	0.0	1128.3	1	
13	0	15130	-5	-5	0	-1	-0	1088.5	4.5	1.1	0.0	1093.0	1	
14	0	30350	-9	-7	0	-1	-1	2183.5	10.8	1.8	0.0	2194.2	1	
15	0	18120	-5	-5	0	-1	-1	1303.6	7.0	1.1	0.0	1310.6	1	
16	0	18220	-5	-4	0	-1	-1	1310.8	6.4	1.1	0.0	1317.2	1	
17	0	17550	-5	-4	0	-1	-1	1262.6	6.3	1.1	0.0	1268.9	1	
1A	15	20283	-8	-4	0	-0	-2	1459.2	11.8	1.6	0.0	1471.1	6	
1E	15	20337	-8	-4	0	-0	-2	1463.1	11.8	1.6	0.0	1474.9	6	
1I	15	20229	-8	-3	0	-0	-2	1455.3	11.7	1.7	0.0	1467.0	6	
1M	15	20391	-8	-3	0	-0	-2	1467.0	11.7	1.7	0.0	1478.6	6	
2	15	27310	-10	-9	0	0	-2	1964.7	12.3	2.0	0.0	1977.0	6	
3	15	16530	-6	-6	0	0	-1	1189.2	7.3	1.2	0.0	1196.5	6	
4	15	16190	-6	-5	0	0	-1	1164.7	6.6	1.2	0.0	1171.3	6	
5	15	15880	-6	-5	0	0	-1	1142.4	7.3	1.2	0.0	1149.8	6	
6	15	33340	-11	-8	0	-0	-3	2398.6	18.1	2.2	0.0	2416.7	6	
7	15	20100	-7	-5	0	-0	-2	1446.0	10.7	1.4	0.0	1456.8	6	
8	15	20060	-7	-4	0	-0	-2	1443.2	10.4	1.4	0.0	1453.6	6	
9	15	19670	-7	-4	0	-0	-2	1415.1	11.0	1.4	0.0	1426.1	6	
10	15	26350	-10	-9	0	0	-2	1895.7	12.4	1.9	0.0	1908.1	6	
11	15	15810	-6	-6	0	0	-1	1137.4	7.3	1.2	0.0	1144.7	6	
12	15	15620	-6	-5	0	0	-1	1123.7	6.8	1.2	0.0	1130.6	6	
13	15	15130	-6	-5	0	0	-1	1088.5	7.3	1.2	0.0	1095.8	6	
14	15	30350	-11	-7	0	-0	-3	2183.5	17.3	2.3	0.0	2200.8	6	
15	15	18120	-7	-5	0	-0	-2	1303.6	10.1	1.4	0.0	1313.7	6	
16	15	18220	-7	-4	0	-0	-2	1310.8	10.2	1.4	0.0	1320.9	6	
17	15	17550	-7	-4	0	-0	-2	1262.6	10.1	1.4	0.0	1272.7	6	
1A	30	20283	-10	-4	0	0	-3	1459.2	19.9	1.9	0.0	1479.2	6	
1E	30	20337	-10	-4	0	0	-3	1463.1	19.9	1.9	0.0	1483.0	6	

1I	30	20229	-10	-3	0	0	-3	1455.3	19.3	2.0	0.0	1474.6	6
1M	30	20391	-10	-3	0	0	-3	1467.0	19.3	2.0	0.0	1486.3	6
2	30	27310	-12	-9	0	2	-3	1964.7	25.5	2.4	0.0	1990.2	6
3	30	16530	-7	-6	0	1	-2	1189.2	15.6	1.5	0.0	1204.8	6
4	30	16190	-7	-5	0	1	-2	1164.7	14.6	1.5	0.0	1179.3	6
5	30	15880	-7	-5	0	1	-2	1142.4	15.5	1.5	0.0	1157.9	6
6	30	33340	-13	-8	0	1	-5	2398.6	31.1	2.7	0.0	2429.7	6
7	30	20100	-8	-5	0	1	-3	1446.0	19.0	1.7	0.0	1465.0	6
8	30	20060	-8	-4	0	0	-3	1443.2	17.9	1.7	0.0	1461.0	6
9	30	19670	-8	-4	0	1	-3	1415.1	19.1	1.7	0.0	1434.2	6
10	30	26350	-12	-9	0	2	-3	1895.7	25.6	2.4	0.0	1921.3	6
11	30	15810	-7	-6	0	1	-2	1137.4	15.6	1.5	0.0	1153.0	6
12	30	15620	-7	-5	0	1	-2	1123.7	14.9	1.5	0.0	1138.6	6
13	30	15130	-7	-5	0	1	-2	1088.5	15.4	1.5	0.0	1103.9	6
14	30	30350	-14	-7	0	1	-5	2183.5	30.7	2.8	0.0	2214.2	6
15	30	18120	-8	-5	0	1	-3	1303.6	18.2	1.6	0.0	1321.8	6
16	30	18220	-8	-4	0	0	-3	1310.8	17.5	1.7	0.0	1328.3	6
17	30	17550	-8	-4	0	1	-3	1262.6	18.2	1.7	0.0	1280.7	6

ASTA NUM. 82 NI 177 NF 194 Lungh. 55.6 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	20197	4	2	0	0	-1	1453.1	8.7	0.8	0.0	1461.8	6	
1E	0	20263	4	2	0	0	-1	1457.7	8.7	0.8	0.0	1466.4	6	
1I	0	20146	4	2	0	0	-1	1449.4	8.6	0.8	0.0	1457.9	6	
1M	0	20314	4	2	0	0	-1	1461.4	8.6	0.8	0.0	1470.0	6	
2	0	27120	7	2	0	0	-2	1951.1	12.7	1.4	0.0	1963.8	6	
3	0	16610	4	1	0	0	-1	1195.0	7.8	0.9	0.0	1202.7	6	
4	0	16110	4	1	0	0	-1	1159.0	7.5	0.9	0.0	1166.5	6	
5	0	15710	4	1	0	0	-1	1130.2	7.6	0.9	0.0	1137.8	6	
6	0	33210	6	2	0	0	-2	2389.2	13.0	1.1	0.0	2402.2	6	
7	0	20320	4	2	0	0	-1	1461.9	7.8	0.7	0.0	1469.7	6	
8	0	20010	4	2	0	0	-1	1439.6	7.7	0.7	0.0	1447.3	6	
9	0	19500	3	1	0	0	-1	1402.9	7.8	0.7	0.0	1410.6	6	
10	0	26250	7	2	0	0	-2	1888.5	13.0	1.4	0.0	1901.5	6	
11	0	15940	4	1	0	0	-1	1146.8	7.9	0.9	0.0	1154.7	6	
12	0	15580	4	1	0	0	-1	1120.9	7.5	0.9	0.0	1128.4	6	
13	0	15040	4	1	0	0	-1	1082.0	7.8	0.9	0.0	1089.8	6	
14	0	30220	6	2	0	0	-2	2174.1	13.4	1.3	0.0	2187.5	6	
15	0	18350	4	1	0	0	-1	1320.1	7.7	0.8	0.0	1327.9	6	
16	0	18170	4	1	0	0	-1	1307.2	7.4	0.7	0.0	1314.6	6	
17	0	17420	4	1	0	0	-1	1253.2	7.7	0.7	0.0	1260.9	6	
1A	28	20197	1	2	0	-0	-1	1453.1	4.8	0.3	0.0	1457.8	6	
1E	28	20263	1	2	0	-0	-1	1457.7	4.8	0.3	0.0	1462.5	6	
1I	28	20146	1	2	0	-0	-1	1449.4	4.9	0.3	0.0	1454.3	6	
1M	28	20314	1	2	0	-0	-1	1461.4	4.9	0.3	0.0	1466.3	6	
2	28	27120	3	2	0	-0	-1	1951.1	5.6	0.5	0.0	1956.7	6	
3	28	16610	2	1	0	-0	-0	1195.0	3.3	0.3	0.0	1198.2	6	
4	28	16110	2	1	0	-0	-0	1159.0	2.7	0.3	0.0	1161.7	6	
5	28	15710	2	1	0	-0	-0	1130.2	3.1	0.3	0.0	1133.3	6	
6	28	33210	1	2	0	-1	-1	2389.2	8.3	0.5	0.0	2397.5	6	
7	28	20320	1	2	0	-0	-1	1461.9	4.9	0.3	0.0	1466.8	6	
8	28	20010	1	2	0	-0	-1	1439.6	4.4	0.3	0.0	1444.0	6	
9	28	19500	1	1	0	-0	-1	1402.9	4.8	0.3	0.0	1407.7	6	
10	28	26250	3	2	0	-0	-1	1888.5	5.8	0.5	0.0	1894.3	6	
11	28	15940	2	1	0	-0	-0	1146.8	3.3	0.3	0.0	1150.1	6	
12	28	15580	2	1	0	-0	-0	1120.9	2.8	0.3	0.0	1123.7	6	
13	28	15040	2	1	0	-0	-0	1082.0	3.1	0.3	0.0	1085.1	6	
14	28	30220	2	2	0	-1	-1	2174.1	7.6	0.5	0.0	2181.7	6	
15	28	18350	1	1	0	-0	-1	1320.1	4.6	0.3	0.0	1324.7	6	
16	28	18170	1	1	0	-0	-1	1307.2	4.1	0.3	0.0	1311.3	6	
17	28	17420	1	1	0	-0	-1	1253.2	4.4	0.3	0.0	1257.7	6	
1A	56	20197	-2	2	0	-1	-1	1453.1	7.0	0.4	0.0	1460.0	1	
1E	56	20263	-2	2	0	-1	-1	1457.7	7.0	0.4	0.0	1464.7	1	
1I	56	20146	-2	2	0	-1	-1	1449.4	6.9	0.4	0.0	1456.3	1	
1M	56	20314	-2	2	0	-1	-1	1461.4	6.9	0.4	0.0	1468.3	1	
2	56	27120	-2	2	0	-1	-1	1951.1	7.7	0.4	0.0	1958.8	1	
3	56	16610	-1	1	0	-1	-0	1195.0	4.9	0.3	0.0	1199.9	1	
4	56	16110	-1	1	0	-1	-0	1159.0	4.4	0.2	0.0	1163.4	1	
5	56	15710	-1	1	0	-1	-0	1130.2	4.4	0.2	0.0	1134.6	1	
6	56	33210	-3	2	0	-1	-1	2389.2	11.4	0.6	0.0	2400.6	1	
7	56	20320	-2	2	0	-1	-1	1461.9	7.2	0.4	0.0	1469.1	1	
8	56	20010	-2	2	0	-1	-1	1439.6	6.7	0.3	0.0	1446.3	1	
9	56	19500	-2	1	0	-1	-1	1402.9	6.6	0.4	0.0	1409.5	6	
10	56	26250	-2	2	0	-1	-1	1888.5	7.7	0.4	0.0	1896.2	1	
11	56	15940	-1	1	0	-1	-0	1146.8	4.9	0.2	0.0	1151.6	1	
12	56	15580	-1	1	0	-1	-0	1120.9	4.4	0.2	0.0	1125.3	1	
13	56	15040	-1	1	0	-1	-0	1082.0	4.4	0.2	0.0	1086.4	1	
14	56	30220	-3	2	0	-1	-1	2174.1	10.4	0.6	0.0	2184.5	1	
15	56	18350	-2	1	0	-1	-1	1320.1	6.7	0.3	0.0	1326.9	1	
16	56	18170	-2	1	0	-1	-1	1307.2	6.2	0.3	0.0	1313.4	1	
17	56	17420	-2	1	0	-1	-1	1253.2	6.1	0.3	0.0	1259.3	1	

ASTA NUM. 83 NI 195 NF 177 Lungh. 24.4 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	9736	-7	3	0	0	0	700.4	3.3	1.4	0.0	703.7	1	
1E	0	9778	-7	3	0	0	0	703.5	3.3	1.4	0.0	706.8	1	
1I	0	9714	-7	2	0	0	0	698.9	2.7	1.4	0.0	701.6	1	
1M	0	9800	-7	2	0	0	0	705.0	2.7	1.4	0.0	707.7	1	
2	0	13490	-10	2	0	0	0	970.5	2.9	1.9	0.0	973.4	1	
3	0	8608	-6	1	0	0	0	619.3	1.9	1.2	0.0	621.2	1	
4	0	8874	-6	1	0	0	0	638.4	1.9	1.2	0.0	640.3	1	
5	0	7291	-6	1	0	0	0	524.5	1.8	1.2	0.0	526.3	1	
6	0	16090	-10	3	0	1	0	1157.6	3.4	2.0	0.0	1160.9	1	
7	0	10280	-6	2	0	0	0	739.6	2.2	1.2	0.0	741.8	1	
8	0	11010	-6	2	0	0	0	792.1	2.2	1.2	0.0	794.3	1	
9	0	8692	-6	2	0	0	0	625.3	2.1	1.2	0.0	627.4	1	
10	0	12750	-10	2	0	0	0	917.3	2.8	1.9	0.0	920.1	1	
11	0	8075	-6	1	0	0	0	580.9	1.9	1.2	0.0	582.8	1	
12	0	7892	-6	1	0	0	0	567.8	1.8	1.2	0.0	569.6	1	
13	0	6958	-6	1	0	0	0	500.6	1.8	1.2	0.0	502.4	1	
14	0	14730	-10	2	0	0	0	1059.7	3.3	2.1	0.0	1063.0	1	
15	0	9381	-6	2	0	0	0	674.9	2.1	1.2	0.0	677.0	1	
16	0	9276	-6	2	0	0	0	667.3	2.0	1.2	0.0	669.3	1	
17	0	8077	-6	1	0	0	0	581.1	2.0	1.2	0.0	583.0	1	
1A	12	9736	-8	3	0	0	-1	700.4	5.2	1.7	0.0	705.6	6	
1E	12	9778	-8	3	0	0	-1	703.5	5.2	1.7	0.0	708.6	6	
1I	12	9714	-8	2	0	0	-1	698.9	5.1	1.7	0.0	704.0	6	
1M	12	9800	-8	2	0	0	-1	705.0	5.1	1.7	0.0	710.1	6	
2	12	13490	-11	2	0	0	-1	970.5	7.3	2.3	0.0	977.8	6	
3	12	8608	-7	1	0	0	-1	619.3	4.4	1.4	0.0	623.7	6	
4	12	8874	-7	1	0	0	-1	638.4	3.9	1.4	0.0	642.3	6	
5	12	7291	-7	1	0	0	-1	524.5	4.2	1.4	0.0	528.8	6	
6	12	16090	-12	3	0	0	-1	1157.6	8.5	2.4	0.0	1166.1	6	
7	12	10280	-7	2	0	0	-1	739.6	5.1	1.5	0.0	744.6	6	
8	12	11010	-7	2	0	0	-1	792.1	4.6	1.5	0.0	796.7	6	
9	12	8692	-7	2	0	0	-1	625.3	5.0	1.5	0.0	630.3	6	
10	12	12750	-11	2	0	0	-1	917.3	7.5	2.3	0.0	924.7	6	
11	12	8075	-7	1	0	0	-1	580.9	4.4	1.4	0.0	585.4	6	
12	12	7892	-7	1	0	0	-1	567.8	3.9	1.4	0.0	571.7	6	
13	12	6958	-7	1	0	0	-1	500.6	4.3	1.4	0.0	504.8	6	
14	12	14730	-12	2	0	0	-1	1059.7	8.1	2.5	0.0	1067.8	6	
15	12	9381	-7	2	0	0	-1	674.9	4.7	1.4	0.0	679.6	6	
16	12	9276	-7	2	0	0	-1	667.3	4.2	1.5	0.0	671.5	6	
17	12	8077	-7	1	0	0	-1	581.1	4.7	1.5	0.0	585.7	6	
1A	24	9736	-10	3	0	-0	-2	700.4	12.1	1.9	0.0	712.5	6	
1E	24	9778	-10	3	0	-0	-2	703.5	12.1	1.9	0.0	715.5	6	
1I	24	9714	-10	2	0	-0	-2	698.9	11.9	1.9	0.0	710.7	6	
1M	24	9800	-10	2	0	-0	-2	705.0	11.9	1.9	0.0	716.9	6	
2	24	13490	-13	2	0	-0	-3	970.5	16.6	2.7	0.0	987.1	6	
3	24	8608	-8	1	0	-0	-2	619.3	10.1	1.7	0.0	629.4	6	
4	24	8874	-8	1	0	-0	-2	638.4	9.8	1.7	0.0	648.2	6	
5	24	7291	-8	1	0	-0	-2	524.5	10.0	1.7	0.0	534.5	6	
6	24	16090	-14	3	0	-0	-3	1157.6	17.9	2.8	0.0	1175.5	6	
7	24	10280	-8	2	0	-0	-2	739.6	10.9	1.7	0.0	750.5	6	
8	24	11010	-8	2	0	-0	-2	792.1	10.6	1.7	0.0	802.7	6	
9	24	8692	-8	2	0	-0	-2	625.3	10.9	1.7	0.0	636.2	6	
10	24	12750	-13	2	0	-0	-3	917.3	16.7	2.7	0.0	934.0	6	
11	24	8075	-8	1	0	-0	-2	580.9	10.2	1.7	0.0	591.1	6	
12	24	7892	-8	1	0	-0	-2	567.8	9.8	1.7	0.0	577.6	6	
13	24	6958	-8	1	0	-0	-2	500.6	10.0	1.7	0.0	510.6	6	
14	24	14730	-14	2	0	-0	-3	1059.7	18.0	2.9	0.0	1077.7	6	
15	24	9381	-8	2	0	-0	-2	674.9	10.5	1.7	0.0	685.4	6	
16	24	9276	-8	2	0	-0	-2	667.3	10.3	1.7	0.0	677.6	6	
17	24	8077	-8	1	0	-0	-2	581.1	10.4	1.7	0.0	591.5	6	

ASTA NUM. 84 NI 178 NF 195 Lungh. 61.2 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					

1A	0	9924	4	0	0	0	-0	714.0	2.3	0.8	0.0	716.2	1
1E	0	9976	4	0	0	0	-0	717.7	2.3	0.8	0.0	720.0	1
1I	0	9904	4	-0	0	0	-0	712.6	1.5	0.8	0.0	714.0	1
1M	0	9996	4	-0	0	0	-0	719.1	1.5	0.8	0.0	720.6	1
2	0	13620	5	-0	0	0	-0	979.9	1.8	1.1	0.0	981.6	6
3	0	8902	3	-0	0	0	-0	640.4	1.1	0.7	0.0	641.5	6
4	0	8963	3	-0	0	0	-0	644.8	0.8	0.7	0.0	645.7	1
5	0	7309	3	-0	0	0	-0	525.8	1.0	0.7	0.0	526.8	1
6	0	16400	5	-1	0	0	-0	1179.9	1.7	1.0	0.0	1181.6	1
7	0	10810	3	-0	0	0	-0	777.7	0.9	0.6	0.0	778.6	6
8	0	11200	3	-0	0	0	-0	805.8	0.9	0.6	0.0	806.7	1
9	0	8783	3	-0	0	0	-0	631.9	1.1	0.6	0.0	632.9	1
10	0	13000	5	-0	0	0	-0	935.3	1.9	1.1	0.0	937.1	6
11	0	8439	3	-0	0	0	-0	607.1	1.2	0.7	0.0	608.3	6
12	0	8063	3	-0	0	0	-0	580.1	0.9	0.7	0.0	580.9	1
13	0	7065	3	-0	0	0	-0	508.3	1.1	0.7	0.0	509.4	1
14	0	15010	6	-0	0	0	-0	1079.9	2.0	1.1	0.0	1081.9	6
15	0	9889	3	-0	0	0	-0	711.4	1.2	0.7	0.0	712.6	6
16	0	9471	3	-0	0	0	-0	681.4	0.9	0.7	0.0	682.2	1
17	0	8179	3	-0	0	0	-0	588.4	1.2	0.7	0.0	589.6	1
1A	31	9924	0	0	0	0	1	714.0	3.8	0.1	0.0	717.7	6
1E	31	9976	0	0	0	0	1	717.7	3.8	0.1	0.0	721.5	6
1I	31	9904	0	-0	0	0	1	712.6	3.7	0.1	0.0	716.3	6
1M	31	9996	0	-0	0	0	1	719.1	3.7	0.1	0.0	722.8	6
2	31	13620	1	-0	0	0	1	979.9	5.0	0.1	0.0	984.9	6
3	31	8902	0	-0	0	0	0	640.4	3.1	0.1	0.0	643.6	6
4	31	8963	0	-0	0	0	1	644.8	3.5	0.1	0.0	648.3	6
5	31	7309	0	-0	0	0	0	525.8	3.3	0.1	0.0	529.2	6
6	31	16400	0	-1	0	0	1	1179.9	4.9	0.1	0.0	1184.8	6
7	31	10810	0	-0	0	0	0	777.7	3.1	0.1	0.0	780.8	6
8	31	11200	0	-0	0	0	0	805.8	3.4	0.1	0.0	809.2	6
9	31	8783	0	-0	0	0	0	631.9	3.3	0.1	0.0	635.2	6
10	31	13000	1	-0	0	0	1	935.3	4.9	0.1	0.0	940.2	6
11	31	8439	0	-0	0	0	0	607.1	3.1	0.1	0.0	610.2	6
12	31	8063	0	-0	0	0	1	580.1	3.7	0.1	0.0	583.7	6
13	31	7065	0	-0	0	0	0	508.3	3.2	0.1	0.0	511.5	6
14	31	15010	1	-0	0	0	1	1079.9	5.3	0.1	0.0	1085.2	6
15	31	9889	0	-0	0	0	0	711.4	3.1	0.1	0.0	714.5	6
16	31	9471	0	-0	0	0	1	681.4	3.7	0.1	0.0	685.0	6
17	31	8179	0	-0	0	0	0	588.4	3.2	0.1	0.0	591.6	6
1A	61	9924	-3	0	0	0	0	714.0	1.3	0.6	0.0	715.3	1
1E	61	9976	-3	0	0	0	0	717.7	1.3	0.6	0.0	719.0	1
1I	61	9904	-3	-0	0	0	0	712.6	2.0	0.6	0.0	714.5	1
1M	61	9996	-3	-0	0	0	0	719.1	2.0	0.6	0.0	721.1	1
2	61	13620	-4	-0	0	0	0	979.9	2.9	0.8	0.0	982.7	1
3	61	8902	-2	-0	0	0	0	640.4	1.9	0.5	0.0	642.3	1
4	61	8963	-2	-0	0	0	0	644.8	1.9	0.5	0.0	646.7	1
5	61	7309	-3	-0	0	0	0	525.8	1.8	0.5	0.0	527.6	1
6	61	16400	-4	-1	0	1	0	1179.9	3.3	0.9	0.0	1183.2	1
7	61	10810	-3	-0	0	0	0	777.7	2.2	0.5	0.0	779.9	1
8	61	11200	-3	-0	0	0	0	805.8	2.2	0.5	0.0	807.9	1
9	61	8783	-3	-0	0	0	0	631.9	2.0	0.6	0.0	633.9	1
10	61	13000	-4	-0	0	0	0	935.3	2.8	0.8	0.0	938.1	1
11	61	8439	-2	-0	0	0	0	607.1	1.9	0.5	0.0	609.0	1
12	61	8063	-3	-0	0	0	0	580.1	1.8	0.5	0.0	581.9	1
13	61	7065	-2	-0	0	0	0	508.3	1.8	0.5	0.0	510.0	1
14	61	15010	-4	-0	0	0	0	1079.9	3.3	0.9	0.0	1083.1	1
15	61	9889	-3	-0	0	0	0	711.4	2.1	0.5	0.0	713.5	1
16	61	9471	-3	-0	0	0	0	681.4	2.0	0.5	0.0	683.3	1
17	61	8179	-3	-0	0	0	0	588.4	1.9	0.5	0.0	590.3	1

ASTA NUM. 85 NI 197 NF 180 Lungh. 55.6 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-16843	-1	2	0	1	2	1211.7	13.5	0.3	0.0	1225.2	6	
1E	0	-16777	-1	2	0	1	2	1207.0	13.5	0.3	0.0	1220.5	6	
1I	0	-16894	-1	1	0	1	2	1215.4	13.5	0.3	0.0	1228.9	6	
1M	0	-16726	-1	1	0	1	2	1203.3	13.5	0.3	0.0	1216.8	6	
2	0	-22880	0	2	0	1	2	1646.0	16.1	0.4	0.0	1662.1	6	
3	0	-11820	0	1	0	0	1	850.4	8.8	0.2	0.0	859.2	6	
4	0	-12090	0	1	0	1	1	869.8	9.2	0.2	0.0	879.0	6	
5	0	-15350	0	1	0	1	1	1104.3	10.0	0.2	0.0	1114.3	6	
6	0	-28000	-1	2	0	1	3	2014.4	20.7	0.5	0.0	2035.1	6	
7	0	-14130	-0	1	0	1	2	1016.5	11.4	0.2	0.0	1027.9	6	
8	0	-15030	-1	1	0	1	2	1081.3	12.1	0.2	0.0	1093.4	6	
9	0	-19530	-0	1	0	1	2	1405.0	13.1	0.3	0.0	1418.2	6	
10	0	-27020	-0	2	0	1	2	1943.9	17.7	0.4	0.0	1961.6	6	
11	0	-14350	0	1	0	1	1	1032.4	9.9	0.2	0.0	1042.2	6	
12	0	-14660	0	1	0	1	1	1054.7	10.2	0.2	0.0	1064.8	6	
13	0	-16970	-0	1	0	1	1	1220.9	10.8	0.2	0.0	1231.7	6	
14	0	-30990	-1	2	0	1	3	2229.5	22.0	0.5	0.0	2251.5	6	
15	0	-15920	-0	1	0	1	2	1145.3	11.9	0.2	0.0	1157.2	6	
16	0	-16880	-1	1	0	1	2	1214.4	12.5	0.3	0.0	1226.9	6	
17	0	-19720	-1	1	0	1	2	1418.7	13.2	0.3	0.0	1431.9	6	
1A	28	-16843	-4	2	0	0	1	1211.7	8.9	0.7	0.0	1220.6	6	
1E	28	-16777	-4	2	0	0	1	1207.0	8.9	0.7	0.0	1215.9	6	
1I	28	-16894	-4	1	0	0	1	1215.4	8.9	0.7	0.0	1224.3	6	
1M	28	-16726	-4	1	0	0	1	1203.3	8.9	0.7	0.0	1212.3	6	
2	28	-22880	-4	2	0	0	2	1646.0	11.4	0.8	0.0	1657.4	6	
3	28	-11820	-2	1	0	0	1	850.4	6.4	0.5	0.0	856.8	6	
4	28	-12090	-3	1	0	0	1	869.8	6.5	0.5	0.0	876.3	6	
5	28	-15350	-3	1	0	0	1	1104.3	7.2	0.5	0.0	1111.5	6	
6	28	-28000	-5	2	0	1	2	2014.4	14.0	1.0	0.0	2028.4	6	
7	28	-14130	-3	1	0	0	1	1016.5	7.8	0.6	0.0	1024.4	6	
8	28	-15030	-3	1	0	0	1	1081.3	8.1	0.6	0.0	1089.4	6	
9	28	-19530	-3	1	0	0	1	1405.0	9.0	0.6	0.0	1414.1	6	
10	28	-27020	-4	2	0	0	2	1943.9	12.5	0.9	0.0	1956.4	6	
11	28	-14350	-3	1	0	0	1	1032.4	7.1	0.5	0.0	1039.5	6	
12	28	-14660	-3	1	0	0	1	1054.7	7.2	0.5	0.0	1061.9	6	
13	28	-16970	-3	1	0	0	1	1220.9	7.7	0.5	0.0	1228.6	6	
14	28	-30990	-6	2	0	1	2	2229.5	14.7	1.1	0.0	2244.2	6	
15	28	-15920	-3	1	0	0	1	1145.3	8.1	0.6	0.0	1153.4	6	
16	28	-16880	-3	1	0	0	1	1214.4	8.4	0.6	0.0	1222.8	6	
17	28	-19720	-3	1	0	0	1	1418.7	8.9	0.7	0.0	1427.6	6	
1A	56	-16843	-7	2	0	-0	-0	1211.7	1.1	1.3	0.0	1212.8	1	
1E	56	-16777	-7	2	0	-0	-0	1207.0	1.1	1.3	0.0	1208.1	1	
1I	56	-16894	-7	1	0	-0	-0	1215.4	0.9	1.3	0.0	1216.2	6	
1M	56	-16726	-7	1	0	-0	-0	1203.3	0.9	1.3	0.0	1204.2	6	
2	56	-22880	-8	2	0	-0	-0	1646.0	0.6	1.7	0.0	1646.7	6	
3	56	-11820	-5	1	0	-0	-0	850.4	0.7	1.0	0.0	851.0	6	
4	56	-12090	-5	1	0	0	-0	869.8	0.9	1.1	0.0	870.7	6	
5	56	-15350	-5	1	0	-0	-0	1104.3	0.2	1.1	0.0	1104.5	6	
6	56	-28000	-9	2	0	-0	0	2014.4	0.3	1.9	0.0	2014.7	1	
7	56	-14130	-6	1	0	0	-0	1016.5	0.4	1.1	0.0	1016.9	6	
8	56	-15030	-6	1	0	0	-0	1081.3	0.6	1.2	0.0	1081.9	6	
9	56	-19530	-6	1	0	-0	0	1405.0	0.4	1.2	0.0	1405.4	6	
10	56	-27020	-9	2	0	-0	0	1943.9	0.5	1.7	0.0	1944.3	1	
11	56	-14350	-5	1	0	-0	-0	1032.4	0.3	1.1	0.0	1032.7	6	
12	56	-14660	-5	1	0	-0	-0	1054.7	0.3	1.1	0.0	1055.0	6	
13	56	-16970	-5	1	0	-0	0	1220.9	0.1	1.1	0.0	1221.0	1	
14	56	-30990	-10	2	0	-0	-0	2229.5	0.5	2.0	0.0	2230.0	1	
15	56	-15920	-6	1	0	-0	-0	1145.3	0.3	1.2	0.0	1145.7	6	
16	56	-16880	-6	1	0	0	-0	1214.4	0.3	1.2	0.0	1214.7	6	
17	56	-19720	-6	1	0	-0	0	1418.7	0.1	1.2	0.0	1418.8	1	

ASTA NUM. 86 NI 144 NF 197 Lungh. 30.0 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-16897	7	-5	0	-1	0	1215.6	5.7	1.4	0.0	1221.3	1	
1E	0	-16843	7	-5	0	-1	0	1211.8	5.7	1.4	0.0	1217.5	1	
1I	0	-16951	7	-5	0	-1	0	1219.5	5.5	1.4	0.0	1225.0	1	
1M	0	-16789	7	-5	0	-1	0	1207.9	5.5	1.4	0.0	1213.4	1	
2	0	-23050	11	-11	0	-2	-0	1658.3	16.1	2.3	0.0	1674.4	1	
3	0	-11740	7	-7	0	-2	-0	844.6	10.5	1.4	0.0	855.1	1	
4	0	-12180	7	-7	0	-2	-0	876.3	10.8	1.4	0.0	887.0	1	
5	0	-15500	7	-7	0	-1	-0	1115.1	9.9	1.4	0.0	1125.0	1	
6	0	-28110	10	-10	0	-2	1	2022.3	11.8	2.0	0.0	2034.1	1	
7	0	-13910	6	-5	0	-1	0	1000.7	7.0	1.3	0.0	1007.8	1	
8	0	-15080	6	-6	0	-1	0	1084.9	7.7	1.3	0.0	1092.6	1	
9	0	-19680	6	-6	0	-1	0	1415.8	7.1	1.3	0.0	1423.0	1	
10	0	-27120	11	-12	0	-2	-0	1951.1	15.9	2.4	0.0	1966.9	1	
11	0	-14230	7	-7	0	-2	-0	1023.7	10.3	1.4	0.0	1034.1	1	
12	0	-14700	7	-8	0	-2	-0	1057.6	10.9	1.5	0.0	1068.4	1	
13	0	-17060	7	-7	0	-2	-0	1227.3	9.8	1.5	0.0	1237.2	1	
14	0	-31110	11	-10	0	-2	1	2238.1	12.3	2.2	0.0	2250.5	1	
15	0	-15710	6	-6	0	-1	0	1130.2	7.4	1.3	0.0	1137.6	1	
16	0	-16920	6	-7	0	-1	0	1217.3	8.2	1.3	0.0	1225.4	1	
17	0	-19840	6	-6	0	-1	0	1427.3	7.3	1.3	0.0	1434.7	1	
1A	15	-16897	5	-5	0	-0	1	1215.6	7.5	1.1	0.0	1223.1	6	
1E	15	-16843	5	-5	0	-0	1	1211.8	7.5	1.1	0.0	1219.3	6	
1I	15	-16951	5	-5	0	-0	1	1219.5	7.7	1.1	0.0	1227.2	6	
1M	15	-16789	5	-5	0	-0	1	1207.9	7.7	1.1	0.0	1215.6	6	
2	15	-23050	9	-11	0	-1	1	1658.3	8.6	2.3	0.0	1666.8	6	

3	15	-11740	6	-7	0	-1	1	844.6	4.6	1.3	0.0	849.2	1
4	15	-12180	5	-7	0	-1	1	876.3	4.8	1.4	0.0	881.1	6
5	15	-15500	6	-7	0	-0	1	1115.1	5.2	1.4	0.0	1120.4	6
6	15	-28110	8	-10	0	-0	2	2022.3	12.4	2.0	0.0	2034.7	6
7	15	-13910	5	-5	0	-0	1	1000.7	6.7	1.1	0.0	1007.4	6
8	15	-15080	5	-6	0	-0	1	1084.9	7.3	1.2	0.0	1092.2	6
9	15	-19680	5	-6	0	-0	1	1415.8	7.7	1.2	0.0	1423.5	6
10	15	-27120	9	-12	0	-1	1	1951.1	10.0	2.4	0.0	1961.1	6
11	15	-14230	5	-7	0	-1	1	1023.7	5.4	1.4	0.0	1029.2	6
12	15	-14700	5	-8	0	-1	1	1057.6	5.6	1.5	0.0	1063.1	6
13	15	-17060	5	-7	0	-0	1	1227.3	6.0	1.5	0.0	1233.3	6
14	15	-31110	8	-10	0	-0	2	2238.1	13.1	2.1	0.0	2251.2	6
15	15	-15710	5	-6	0	-0	1	1130.2	7.2	1.2	0.0	1137.4	6
16	15	-16920	5	-7	0	-0	1	1217.3	7.5	1.3	0.0	1224.8	6
17	15	-19840	5	-6	0	-0	1	1427.3	7.9	1.2	0.0	1435.2	6
1A	30	-16897	4	-5	0	1	2	1215.6	13.4	1.0	0.0	1229.0	6
1E	30	-16843	4	-5	0	1	2	1211.8	13.4	1.0	0.0	1225.2	6
1I	30	-16951	4	-5	0	1	2	1219.5	13.5	1.0	0.0	1233.0	6
1M	30	-16789	4	-5	0	1	2	1207.9	13.5	1.0	0.0	1221.4	6
2	30	-23050	6	-11	0	1	2	1658.3	16.2	2.3	0.0	1674.5	6
3	30	-11740	4	-7	0	0	1	844.6	8.9	1.3	0.0	853.5	6
4	30	-12180	4	-7	0	1	1	876.3	9.3	1.4	0.0	885.6	6
5	30	-15500	4	-7	0	1	1	1115.1	10.1	1.4	0.0	1125.2	6
6	30	-28110	5	-10	0	1	3	2022.3	20.9	2.0	0.0	2043.2	6
7	30	-13910	4	-5	0	1	2	1000.7	11.5	1.1	0.0	1012.2	6
8	30	-15080	3	-6	0	1	2	1084.9	12.3	1.2	0.0	1097.2	6
9	30	-19680	3	-6	0	1	2	1415.8	13.3	1.2	0.0	1429.1	6
10	30	-27120	6	-12	0	1	2	1951.1	17.9	2.4	0.0	1969.0	6
11	30	-14230	4	-7	0	1	1	1023.7	9.9	1.4	0.0	1033.7	6
12	30	-14700	4	-8	0	1	1	1057.6	10.3	1.5	0.0	1067.8	6
13	30	-17060	4	-7	0	1	1	1227.3	10.9	1.5	0.0	1238.2	6
14	30	-31110	6	-10	0	1	3	2238.1	22.2	2.1	0.0	2260.4	6
15	30	-15710	3	-6	0	1	2	1130.2	12.0	1.2	0.0	1142.2	6
16	30	-16920	3	-7	0	1	2	1217.3	12.7	1.3	0.0	1230.0	6
17	30	-19840	3	-6	0	1	2	1427.3	13.3	1.2	0.0	1440.7	6

ASTA NUM. 87 NI 199 NF 179 Lungh. 61.2 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-8864	1	0	0	-0	1	637.7	9.1	0.1	0.0	646.8	6	
1E	0	-8812	1	0	0	-0	1	634.0	9.1	0.1	0.0	643.1	6	
1I	0	-8884	1	-0	0	-0	1	639.1	9.5	0.1	0.0	648.6	6	
1M	0	-8792	1	-0	0	-0	1	632.6	9.5	0.1	0.0	642.0	6	
2	0	-11680	1	-1	0	-0	2	840.3	13.2	0.2	0.0	853.5	6	
3	0	-5579	1	-0	0	-0	1	401.4	7.7	0.1	0.0	409.1	6	
4	0	-5320	1	-0	0	-0	1	382.7	7.8	0.1	0.0	390.5	6	
5	0	-8370	1	-0	0	-0	1	602.2	8.4	0.1	0.0	610.5	6	
6	0	-14650	1	-1	0	-1	2	1054.0	14.4	0.2	0.0	1068.4	6	
7	0	-6815	1	-0	0	-0	1	490.3	8.3	0.1	0.0	498.6	6	
8	0	-6592	1	-0	0	-0	1	474.2	8.5	0.1	0.0	482.7	6	
9	0	-10950	0	-0	0	-0	1	787.8	9.2	0.1	0.0	797.0	6	
10	0	-14010	1	-1	0	-0	2	1007.9	14.1	0.2	0.0	1022.0	6	
11	0	-7021	1	-0	0	-0	1	505.1	8.3	0.1	0.0	513.4	6	
12	0	-7286	1	-0	0	-0	1	524.2	8.4	0.1	0.0	532.6	6	
13	0	-9143	0	-0	0	-0	1	657.8	8.7	0.1	0.0	666.5	6	
14	0	-16030	1	-1	0	-1	2	1153.2	15.3	0.2	0.0	1168.5	6	
15	0	-7650	0	-0	0	-0	1	550.4	8.6	0.1	0.0	558.9	6	
16	0	-8319	1	-1	0	-0	1	598.5	8.9	0.1	0.0	607.4	6	
17	0	-10620	0	-1	0	-0	1	764.0	9.1	0.1	0.0	773.2	6	
1A	31	-8864	-3	0	0	-0	1	637.7	7.4	0.5	0.0	645.1	6	
1E	31	-8812	-3	0	0	-0	1	634.0	7.4	0.5	0.0	641.3	6	
1I	31	-8884	-3	-0	0	-0	1	639.1	7.4	0.5	0.0	646.5	6	
1M	31	-8792	-3	-0	0	-0	1	632.6	7.4	0.5	0.0	639.9	6	
2	31	-11680	-4	-1	0	-0	2	840.3	10.1	0.8	0.0	850.4	6	
3	31	-5579	-2	-0	0	-0	1	401.4	6.0	0.5	0.0	407.4	6	
4	31	-5320	-2	-0	0	-0	1	382.7	6.1	0.4	0.0	388.8	6	
5	31	-8370	-2	-0	0	-0	1	602.2	6.4	0.5	0.0	608.6	6	
6	31	-14650	-4	-1	0	-0	2	1054.0	10.8	0.8	0.0	1064.8	6	
7	31	-6815	-2	-0	0	-0	1	490.3	6.4	0.5	0.0	496.7	6	
8	31	-6592	-2	-0	0	-0	1	474.2	6.4	0.5	0.0	480.7	6	
9	31	-10950	-2	-0	0	-0	1	787.8	6.9	0.5	0.0	794.7	6	
10	31	-14010	-4	-1	0	-0	2	1007.9	10.5	0.8	0.0	1018.4	6	
11	31	-7021	-2	-0	0	-0	1	505.1	6.3	0.5	0.0	511.4	6	
12	31	-7286	-2	-0	0	-0	1	524.2	6.4	0.5	0.0	530.6	6	
13	31	-9143	-2	-0	0	-0	1	657.8	6.5	0.5	0.0	664.3	6	
14	31	-16030	-4	-1	0	-0	2	1153.2	11.3	0.9	0.0	1164.6	6	
15	31	-7650	-2	-0	0	-0	1	550.4	6.4	0.5	0.0	556.8	6	
16	31	-8319	-2	-1	0	-0	1	598.5	6.7	0.5	0.0	605.2	6	
17	31	-10620	-3	-1	0	-0	1	764.0	6.7	0.5	0.0	770.7	6	
1A	61	-8864	-6	0	0	-0	-0	637.7	1.8	1.2	0.0	639.5	1	
1E	61	-8812	-6	0	0	-0	-0	634.0	1.8	1.2	0.0	635.7	1	
1I	61	-8884	-6	-0	0	-0	-0	639.1	1.5	1.2	0.0	640.6	6	
1M	61	-8792	-6	-0	0	-0	-0	632.6	1.5	1.2	0.0	634.0	6	
2	61	-11680	-8	-1	0	-0	-0	840.3	2.0	1.7	0.0	842.3	6	
3	61	-5579	-5	-0	0	-0	-0	401.4	1.3	1.0	0.0	402.7	6	
4	61	-5320	-5	-0	0	-0	-0	382.7	1.3	1.0	0.0	384.1	6	
5	61	-8370	-5	-0	0	0	-0	602.2	1.1	1.1	0.0	603.2	6	
6	61	-14650	-9	-1	0	-0	-0	1054.0	2.0	1.7	0.0	1055.9	6	
7	61	-6815	-5	-0	0	-0	-0	490.3	1.2	1.1	0.0	491.5	6	
8	61	-6592	-5	-0	0	-0	-0	474.2	1.4	1.1	0.0	475.6	6	
9	61	-10950	-5	-0	0	-0	-0	787.8	1.0	1.1	0.0	788.8	6	
10	61	-14010	-9	-1	0	-0	-0	1007.9	2.2	1.7	0.0	1010.1	6	
11	61	-7021	-5	-0	0	-0	-0	505.1	1.4	1.1	0.0	506.5	6	
12	61	-7286	-5	-0	0	-0	-0	524.2	1.2	1.1	0.0	525.3	6	
13	61	-9143	-5	-0	0	0	-0	657.8	1.3	1.1	0.0	659.0	6	
14	61	-16030	-9	-1	0	-0	-0	1153.2	2.4	1.9	0.0	1155.7	6	
15	61	-7650	-5	-0	0	-0	-0	550.4	1.5	1.1	0.0	551.8	6	
16	61	-8319	-5	-1	0	-0	-0	598.5	1.1	1.1	0.0	599.6	6	
17	61	-10620	-5	-1	0	-0	-0	764.0	1.3	1.1	0.0	765.4	6	

ASTA NUM. 88 NI 180 NF 199 Lungh. 24.4 cm SEZ. 17 Ps L 90X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-8716	7	3	0	0	-0	627.1	1.1	1.5	0.0	628.2	1	
1E	0	-8674	7	3	0	0	-0	624.0	1.1	1.5	0.0	625.1	1	
1I	0	-8738	7	2	0	0	-0	628.6	0.6	1.5	0.0	629.2	1	
1M	0	-8652	7	2	0	0	-0	622.5	0.6	1.5	0.0	623.1	1	
2	0	-11590	10	2	0	0	-0	833.8	0.5	2.1	0.0	834.3	6	
3	0	-5283	6	1	0	0	-0	380.1	0.7	1.3	0.0	380.8	6	
4	0	-5235	6	1	0	-0	-0	376.6	0.9	1.3	0.0	377.5	6	
5	0	-8396	6	1	0	0	-0	604.0	0.3	1.3	0.0	604.3	1	
6	0	-14410	10	2	0	0	0	1036.7	1.0	2.0	0.0	1037.7	6	
7	0	-6292	6	1	0	0	0	452.7	0.2	1.3	0.0	452.8	1	
8	0	-6405	6	1	0	0	0	460.8	0.0	1.3	0.0	460.8	1	
9	0	-10930	6	2	0	0	0	786.3	1.0	1.3	0.0	787.3	6	
10	0	-13780	10	2	0	0	0	991.4	0.7	2.0	0.0	992.1	6	
11	0	-6637	6	1	0	0	-0	477.5	0.1	1.3	0.0	477.6	6	
12	0	-7127	6	1	0	-0	-0	512.7	0.2	1.3	0.0	512.9	6	
13	0	-9052	6	1	0	0	0	651.2	0.4	1.3	0.0	651.6	6	
14	0	-15760	11	3	0	0	0	1133.8	1.0	2.2	0.0	1134.8	6	
15	0	-7111	6	1	0	0	0	511.6	0.3	1.3	0.0	511.9	6	
16	0	-8137	6	1	0	-0	0	585.4	0.3	1.3	0.0	585.7	6	
17	0	-10540	6	2	0	0	0	758.3	0.9	1.2	0.0	759.2	6	
1A	12	-8716	6	3	0	-0	1	627.1	5.0	1.2	0.0	632.1	6	
1E	12	-8674	6	3	0	-0	1	624.0	5.0	1.2	0.0	629.0	6	
1I	12	-8738	6	2	0	-0	1	628.6	5.0	1.2	0.0	633.6	6	
1M	12	-8652	6	2	0	-0	1	622.5	5.0	1.2	0.0	627.4	6	
2	12	-11590	8	2	0	-0	1	833.8	7.1	1.7	0.0	840.9	6	
3	12	-5283	5	1	0	-0	1	380.1	3.9	1.1	0.0	384.0	6	
4	12	-5235	5	1	0	-0	1	376.6	3.9	1.1	0.0	380.6	6	
5	12	-8396	5	1	0	-0	1	604.0	4.5	1.1	0.0	608.5	6	
6	12	-14410	8	2	0	-0	1	1036.7	8.3	1.6	0.0	1045.0	6	
7	12	-6292	5	1	0	-0	1	452.7	4.5	1.0	0.0	457.2	6	
8	12	-6405	5	1	0	-0	1	460.8	4.7	1.0	0.0	465.4	6	
9	12	-10930	5	2	0	-0	1	786.3	5.4	1.0	0.0	791.8	6	
10	12	-13780	8	2	0	-0	1	991.4	8.0	1.6	0.0	999.4	6	
11	12	-6637	5	1	0	-0	1	477.5	4.5	1.0	0.0	482.0	6	
12	12	-7127	5	1	0	-0	1	512.7	4.6	1.1	0.0	517.3	6	
13	12	-9052	5	1	0	-0	1	651.2	4.9	1.0	0.0	656.1	6	
14	12	-15760	9	3	0	-0	1	1133.8	8.7	1.8	0.0	1142.6	6	
15	12	-7111	5	1	0	-0	1	511.6	4.8	1.0	0.0	516.4	6	
16	12	-8137	5	1	0	-0	1	585.4	5.1	1.0	0.0	590.5	6	
17	12	-10540	5	2	0	-0	1	758.3	5.3	1.0	0.0	763.6	6	
1A	24	-8716	5	3	0	-0	1	627.1	9.8	0.9	0.0	636.8	6	
1E	24	-8674	5	3	0	-0	1	624.0	9.8	0.9	0.0	633.8	6	
1I	24	-8738	5	2	0	-0	1	628.6	9.4	0.9	0.0	638.0	6	
1M	24	-8652	5	2	0	-0	1	622.5	9.4	0.9	0.0	631.9	6	
2	24	-11590	6	2	0	-0	2	833.8	13.2	1.3	0.0	847.1	6	
3	24	-5283	4	1	0	-0	1	380.1	7.8	0.8	0.0	387.8	6	
4	24	-5235	4	1	0	-0	1	376.6	7.8	0.8	0.0	384.4	6	
5	24	-8396	4	1	0	-0	1	604.0	8.4	0.8	0.0	612.4	6	
6	24	-14410	6	2	0	-1	2	1036.7	14.4	1.3	0.0	1051.1	6	
7	24	-6292	4	1	0	-0	1	452.7	8.3	0.8	0.0	461.0	6	
8	24	-6405	4	1	0	-0	1	460.8	8.5	0.8	0.0	469.3	6	
9	24	-10930	4	2	0	-0	1	786.3	9.3	0.8	0.0	795.6	6	

10	24	-13780	6	2	0	-0	2	991.4	14.1	1.3	0.0	1005.5	6
11	24	-6637	4	1	0	-0	1	477.5	8.3	0.8	0.0	485.8	6
12	24	-7127	4	1	0	-0	1	512.7	8.5	0.8	0.0	521.2	6
13	24	-9052	4	1	0	-0	1	651.2	8.7	0.8	0.0	659.9	6
14	24	-15760	7	3	0	-1	2	1133.8	15.3	1.3	0.0	1149.1	6
15	24	-7111	4	1	0	-0	1	511.6	8.6	0.8	0.0	520.1	6
16	24	-8137	4	1	0	-0	1	585.4	8.9	0.8	0.0	594.3	6
17	24	-10540	4	2	0	-0	1	758.3	9.1	0.8	0.0	767.4	6

ASTA NUM. 89 NI 141 NF 144 Lungh. 68.6 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-9.6900	-2.4225	--	--	3.0704	-9.0421 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	14457	3	1	0	1	-1	1185.0	6.1	0.6	0.0	1191.1	6	
1E	0	14523	3	1	0	1	-1	1190.4	6.1	0.6	0.0	1196.5	6	
1I	0	14408	2	1	0	1	-1	1181.0	5.9	0.6	0.0	1186.9	1	
1M	0	14572	2	1	0	1	-1	1194.4	5.9	0.6	0.0	1200.4	1	
2	0	19530	-3	0	0	1	-0	1600.8	6.2	0.8	0.0	1607.1	1	
3	0	11220	-2	0	0	0	0	919.7	3.5	0.5	0.0	923.1	1	
4	0	10660	-2	0	0	0	0	873.8	3.4	0.5	0.0	877.2	1	
5	0	12180	-2	0	0	1	0	998.4	3.9	0.5	0.0	1002.2	1	
6	0	23430	3	1	0	1	-1	1920.5	9.5	0.6	0.0	1929.9	1	
7	0	13250	1	1	0	1	-0	1086.1	5.3	0.3	0.0	1091.4	1	
8	0	12990	1	1	0	1	-0	1064.8	5.2	0.3	0.0	1069.9	1	
9	0	14920	1	1	0	1	-0	1223.0	6.0	0.3	0.0	1228.9	1	
10	0	21080	-3	1	0	1	-0	1727.9	6.7	0.8	0.0	1734.6	1	
11	0	12130	-2	0	0	1	0	994.3	3.8	0.5	0.0	998.0	1	
12	0	11760	-2	0	0	1	0	963.9	3.6	0.5	0.0	967.6	1	
13	0	12970	-2	0	0	1	0	1063.1	4.1	0.5	0.0	1067.2	1	
14	0	22840	2	1	0	1	-1	1872.1	9.0	0.5	0.0	1881.1	1	
15	0	12810	1	1	0	1	-0	1050.0	5.0	0.3	0.0	1055.0	1	
16	0	12850	1	1	0	1	-0	1053.3	5.0	0.3	0.0	1058.3	1	
17	0	14220	1	1	0	1	-0	1165.6	5.5	0.3	0.0	1171.1	1	
1A	34	14457	2	1	0	0	0	1185.0	2.3	0.4	0.0	1187.4	1	
1E	34	14523	2	1	0	0	0	1190.4	2.3	0.4	0.0	1192.7	1	
1I	34	14408	1	1	0	0	0	1181.0	2.5	0.3	0.0	1183.5	1	
1M	34	14572	1	1	0	0	0	1194.4	2.5	0.3	0.0	1197.0	1	
2	34	19535	0	0	0	1	-1	1601.2	6.6	0.1	0.0	1607.8	1	
3	34	11225	-0	0	0	0	-0	920.1	3.8	0.1	0.0	923.9	6	
4	34	10660	-0	0	0	0	-0	873.8	3.7	0.1	0.0	877.4	6	
5	34	12185	-0	0	0	0	-0	998.8	4.1	0.1	0.0	1002.9	1	
6	34	23435	2	1	0	1	-0	1920.9	4.0	0.5	0.0	1924.9	1	
7	34	13250	1	1	0	0	-0	1086.1	1.7	0.3	0.0	1087.7	1	
8	34	12995	1	1	0	0	-0	1065.2	1.8	0.3	0.0	1067.0	1	
9	34	14920	1	1	0	0	-0	1223.0	2.6	0.3	0.0	1225.5	1	
10	34	21085	0	1	0	1	-1	1728.3	6.8	0.1	0.0	1735.0	1	
11	34	12135	-0	0	0	0	-0	994.7	3.8	0.1	0.0	998.5	6	
12	34	11765	-0	0	0	0	-0	964.3	3.7	0.1	0.0	968.1	6	
13	34	12975	0	0	0	0	-0	1063.5	4.2	0.1	0.0	1067.7	1	
14	34	22845	2	1	0	1	-0	1872.5	3.9	0.5	0.0	1876.4	1	
15	34	12815	1	1	0	0	-0	1050.4	1.6	0.2	0.0	1052.0	1	
16	34	12855	1	1	0	0	-0	1053.7	1.7	0.2	0.0	1055.3	1	
17	34	14220	1	1	0	0	-0	1165.6	2.4	0.2	0.0	1168.0	1	
1A	69	14457	1	1	0	-0	0	1185.0	3.3	0.2	0.0	1188.3	6	
1E	69	14523	1	1	0	-0	0	1190.4	3.3	0.2	0.0	1193.7	6	
1I	69	14408	0	1	0	0	0	1181.0	2.9	0.2	0.0	1183.9	6	
1M	69	14572	0	1	0	0	0	1194.4	2.9	0.2	0.0	1197.4	6	
2	69	19540	4	0	0	1	0	1601.6	3.9	0.9	0.0	1605.5	1	
3	69	11230	2	0	0	0	-0	920.5	1.7	0.5	0.0	922.2	1	
4	69	10660	2	0	0	0	-0	873.8	1.8	0.5	0.0	875.6	1	
5	69	12190	2	0	0	0	-0	999.2	2.4	0.5	0.0	1001.5	1	
6	69	23440	2	1	0	0	1	1921.3	5.2	0.5	0.0	1926.5	6	
7	69	13250	1	1	0	-0	0	1086.1	2.8	0.3	0.0	1088.8	6	
8	69	13000	1	1	0	-0	0	1065.6	2.6	0.2	0.0	1068.2	6	
9	69	14920	1	1	0	0	0	1223.0	2.8	0.3	0.0	1225.7	6	
10	69	21090	4	1	0	1	0	1728.7	3.8	0.9	0.0	1732.5	1	
11	69	12140	2	0	0	0	-0	995.1	1.6	0.5	0.0	996.7	1	
12	69	11770	2	0	0	0	-0	964.8	1.6	0.5	0.0	966.3	1	
13	69	12980	2	0	0	0	-0	1063.9	2.3	0.5	0.0	1066.3	1	
14	69	22850	2	1	0	0	1	1873.0	4.3	0.4	0.0	1877.2	6	
15	69	12820	1	1	0	-0	0	1050.8	2.3	0.2	0.0	1053.1	6	
16	69	12860	1	1	0	-0	0	1054.1	2.5	0.2	0.0	1056.6	6	
17	69	14220	1	1	0	0	0	1165.6	2.4	0.2	0.0	1168.0	6	

ASTA NUM. 90 NI 140 NF 146 Lungh. 68.6 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	9.6900	2.4225	--	--	3.0704	15.1828 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-13173	-1	1	0	1	1	1079.7	6.1	0.3	0.0	1085.9	6	
1E	0	-13107	-1	1	0	1	1	1074.3	6.1	0.3	0.0	1080.5	6	
1I	0	-13222	-1	1	0	1	1	1083.8	6.4	0.3	0.0	1090.2	6	
1M	0	-13058	-1	1	0	1	1	1070.3	6.4	0.3	0.0	1076.7	6	
2	0	-18450	6	1	0	1	0	1512.3	6.2	1.4	0.0	1518.5	1	
3	0	-10710	4	1	0	0	0	877.9	3.5	0.9	0.0	881.3	1	
4	0	-9519	4	0	0	0	0	780.2	3.0	0.9	0.0	783.3	1	
5	0	-10530	4	1	0	0	0	863.1	3.4	0.9	0.0	866.5	1	
6	0	-21480	0	2	0	1	1	1760.7	8.9	0.4	0.0	1769.5	1	
7	0	-12250	0	1	0	1	0	1004.1	5.0	0.3	0.0	1009.1	1	
8	0	-11340	0	1	0	0	0	929.5	4.7	0.2	0.0	934.2	1	
9	0	-12540	0	1	0	1	0	1027.9	5.2	0.3	0.0	1033.0	1	
10	0	-20290	6	1	0	1	0	1663.1	7.1	1.3	0.0	1670.2	1	
11	0	-11740	4	1	0	1	0	962.3	4.0	0.8	0.0	966.3	1	
12	0	-10540	4	0	0	0	0	863.9	3.5	0.9	0.0	867.4	1	
13	0	-11540	4	1	0	1	0	945.9	4.0	0.8	0.0	949.9	1	
14	0	-22070	-0	2	0	1	1	1809.0	9.5	0.4	0.0	1818.6	6	
15	0	-12510	0	1	0	1	1	1025.4	5.3	0.3	0.0	1030.7	6	
16	0	-11480	0	1	0	0	0	941.0	4.9	0.2	0.0	945.8	6	
17	0	-12670	0	1	0	1	1	1038.5	5.4	0.3	0.0	1044.0	6	
1A	34	-13168	-2	1	0	0	0	1079.3	1.5	0.4	0.0	1080.9	6	
1E	34	-13102	-2	1	0	0	0	1073.9	1.5	0.4	0.0	1075.5	6	
1I	34	-13217	-2	1	0	0	0	1083.4	1.6	0.5	0.0	1084.9	6	
1M	34	-13053	-2	1	0	0	0	1069.9	1.6	0.5	0.0	1071.5	6	
2	34	-18445	-1	1	0	0	1	1511.9	9.0	0.2	0.0	1520.9	6	
3	34	-10705	-0	1	0	0	1	877.5	5.6	0.1	0.0	883.0	6	
4	34	-9517	-0	0	0	0	1	780.1	5.7	0.1	0.0	785.8	6	
5	34	-10525	-0	1	0	0	1	862.7	5.6	0.1	0.0	868.3	6	
6	34	-21475	-2	2	0	0	0	1760.2	4.1	0.6	0.0	1764.3	6	
7	34	-12245	-1	1	0	0	0	1003.7	2.4	0.3	0.0	1006.1	6	
8	34	-11340	-1	1	0	0	0	929.5	2.7	0.3	0.0	932.2	6	
9	34	-12535	-1	1	0	0	0	1027.5	2.5	0.3	0.0	1029.9	6	
10	34	-20290	-1	1	0	0	1	1663.1	9.2	0.3	0.0	1672.3	6	
11	34	-11740	-0	1	0	0	1	962.3	5.6	0.2	0.0	967.9	6	
12	34	-10535	-0	0	0	0	1	863.5	5.8	0.1	0.0	869.3	6	
13	34	-11540	-0	1	0	0	1	945.9	5.6	0.2	0.0	951.5	6	
14	34	-22065	-3	2	0	0	0	1808.6	4.3	0.7	0.0	1812.9	6	
15	34	-12510	-2	1	0	0	0	1025.4	2.5	0.4	0.0	1027.9	6	
16	34	-11480	-1	1	0	0	0	941.0	2.7	0.3	0.0	943.7	6	
17	34	-12670	-2	1	0	0	0	1038.5	2.5	0.4	0.0	1041.0	6	
1A	69	-13163	-3	1	0	-0	-1	1078.9	5.6	0.7	0.0	1084.5	6	
1E	69	-13097	-3	1	0	-0	-1	1073.5	5.6	0.7	0.0	1079.1	6	
1I	69	-13212	-3	1	0	-0	-1	1082.9	5.9	0.7	0.0	1088.8	6	
1M	69	-13048	-3	1	0	-0	-1	1069.5	5.9	0.7	0.0	1075.4	6	
2	69	-18440	-7	1	0	0	-0	1511.5	2.0	1.7	0.0	1513.5	6	
3	69	-10700	-4	1	0	0	-0	877.0	1.0	1.0	0.0	878.0	6	
4	69	-9515	-4	0	0	0	-0	779.9	2.0	1.0	0.0	781.9	1	
5	69	-10520	-4	1	0	0	-0	862.3	0.9	1.0	0.0	863.2	6	
6	69	-21470	-5	2	0	-0	-1	1759.8	7.0	1.2	0.0	1766.8	6	
7	69	-12240	-3	1	0	-0	-0	1003.3	4.1	0.7	0.0	1007.4	6	
8	69	-11340	-3	1	0	-0	-0	929.5	3.5	0.7	0.0	933.0	6	
9	69	-12530	-3	1	0	-0	-0	1027.0	4.1	0.7	0.0	1031.1	6	
10	69	-20290	-7	1	0	0	-0	1663.1	2.6	1.7	0.0	1665.7	6	
11	69	-11740	-4	1	0	0	-0	962.3	1.3	1.1	0.0	963.6	6	
12	69	-10530	-4	0	0	0	-0	863.1	2.0	1.0	0.0	865.2	1	
13	69	-11540	-4	1	0	0	-0	945.9	1.3	1.0	0.0	947.2	6	
14	69	-22060	-6	2	0	-0	-1	1808.2	7.9	1.3	0.0	1816.1	6	
15	69	-12510	-3	1	0	-0	-1	1025.4	4.5	0.8	0.0	1029.9	6	
16	69	-11480	-3	1	0	0	-1	941.0	3.6	0.7	0.0	944.6	6	
17	69	-12670	-3	1	0	-0	-1	1038.5	4.6	0.8	0.0	1043.1	6	

ASTA NUM. 91 NI 175 NF 182 Lungh. 65.0 cm SEZ. 19 Ps L 55X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-11	0	-0	0	-0	-0	2.6	9.8	0.3	0.0	12.4	6	
1E	0	-11	0	-0	0	-0	-0	2.6	9.8	0.3	0.0	12.3	6	
1I	0	-11	0	-0	0	-0	-0	2.6	9.9	0.3	0.0	12.5	6	
1M	0	-11	0	-0	0	-0	-0	2.6	9.9	0.3	0.0	12.5	6	
2	0	-16	1	-4	0	-0	-0	3.7	13.8	2.6	0.0	17.5	6	
3	0	-10	0	-2	0	-0	-0	2.4	8.1	1.6	0.0	10.5	6	
4	0	-11	0	-2	0	-0	-0	2.5	6.2	1.6	0.0	8.8	6	
5	0	-10	0	-2	0	-0	-0	2.3	8.5	1.6	0.0	10.8	6	
6	0	-15	1	-2	0	-0	-0	3.6	14.6	1.1	0.0	18.1	6	
7	0	-10	0	-1	0	-0	-0	2.3	8.4	0.6	0.0	10.7	6	
8	0	-11	0	-1	0	-0	-0	2.6	6.3	0.6	0.0	8.9	6	

9	0	-9	0	-1	0	-0	-0	2.2	8.9	0.7	0.0	11.1	6
10	0	-17	1	-4	0	-0	-0	4.0	14.2	2.6	0.0	18.1	6
11	0	-11	0	-2	0	-0	-0	2.5	8.4	1.6	0.0	10.9	6
12	0	-11	0	-2	0	-0	-0	2.6	5.9	1.6	0.0	8.5	6
13	0	-11	0	-2	0	-0	-0	2.5	8.8	1.6	0.0	11.3	6
14	0	-18	1	-2	0	-0	-0	4.2	15.4	1.1	0.0	19.6	6
15	0	-11	0	-1	0	-0	-0	2.5	8.3	0.6	0.0	10.9	6
16	0	-11	0	-1	0	-0	-0	2.6	5.7	0.6	0.0	8.3	1
17	0	-11	0	-1	0	-0	-0	2.4	9.1	0.6	0.0	11.5	6
1A	32	-10	0	-0	0	0	-0	2.3	4.1	0.3	0.0	6.4	6
1E	32	-10	0	-0	0	0	-0	2.3	4.1	0.3	0.0	6.4	6
1I	32	-10	0	-0	0	0	-0	2.3	4.2	0.3	0.0	6.5	6
1M	32	-10	0	-0	0	0	-0	2.3	4.2	0.3	0.0	6.5	6
2	32	-14	1	-1	0	1	-0	3.4	20.1	0.4	0.0	23.5	1
3	32	-9	0	-0	0	0	-0	2.1	12.6	0.2	0.0	14.7	1
4	32	-10	0	-0	0	0	-0	2.3	12.5	0.2	0.0	14.9	1
5	32	-9	0	-0	0	0	-0	2.1	12.6	0.3	0.0	14.6	1
6	32	-14	1	-1	0	0	-0	3.2	7.5	0.5	0.0	10.7	6
7	32	-9	0	-0	0	0	-0	2.1	4.7	0.3	0.0	6.8	6
8	32	-10	0	-0	0	0	-0	2.4	4.8	0.3	0.0	7.1	6
9	32	-8	0	-0	0	0	-0	2.0	4.7	0.3	0.0	6.7	6
10	32	-16	1	-1	0	1	-0	3.6	20.2	0.4	0.0	23.8	1
11	32	-10	0	-0	0	0	-0	2.3	12.6	0.3	0.0	14.9	1
12	32	-10	0	-0	0	0	-0	2.3	12.6	0.3	0.0	14.9	1
13	32	-10	0	-0	0	0	-0	2.2	12.6	0.3	0.0	14.8	1
14	32	-17	1	-1	0	0	-0	3.9	7.8	0.5	0.0	11.7	6
15	32	-10	0	-0	0	0	-0	2.3	4.7	0.3	0.0	7.0	6
16	32	-10	0	-0	0	0	-0	2.4	4.8	0.3	0.0	7.1	6
17	32	-10	0	-0	0	0	-0	2.2	4.6	0.3	0.0	6.9	6
1A	65	-9	0	-0	0	0	0	2.1	5.7	0.3	0.0	7.8	1
1E	65	-9	0	-0	0	0	0	2.0	5.7	0.3	0.0	7.7	1
1I	65	-9	0	-0	0	0	0	2.1	5.7	0.3	0.0	7.7	1
1M	65	-9	0	-0	0	0	0	2.1	5.7	0.3	0.0	7.7	1
2	65	-13	1	3	0	0	0	3.0	7.3	1.8	0.0	10.3	1
3	65	-8	0	2	0	0	0	1.9	4.2	1.1	0.0	6.1	1
4	65	-9	0	2	0	0	-0	2.1	4.9	1.1	0.0	7.0	1
5	65	-8	0	2	0	0	0	1.9	4.4	1.1	0.0	6.3	1
6	65	-12	1	0	0	0	0	2.9	9.3	0.4	0.0	12.2	1
7	65	-8	0	0	0	0	0	1.8	5.3	0.2	0.0	7.1	1
8	65	-9	0	0	0	0	-0	2.1	6.1	0.1	0.0	8.3	1
9	65	-8	0	0	0	0	0	1.7	5.7	0.2	0.0	7.5	1
10	65	-14	1	3	0	0	0	3.2	8.0	1.7	0.0	11.2	1
11	65	-9	0	2	0	0	0	2.1	4.5	1.1	0.0	6.6	1
12	65	-9	0	2	0	0	-0	2.1	5.4	1.1	0.0	7.5	1
13	65	-9	0	2	0	0	0	2.0	4.8	1.1	0.0	6.8	1
14	65	-15	1	0	0	0	0	3.5	9.4	0.4	0.0	12.9	1
15	65	-9	0	0	0	0	0	2.1	5.3	0.2	0.0	7.3	1
16	65	-9	0	0	0	0	-0	2.1	6.4	0.0	0.0	8.6	1
17	65	-9	0	0	0	0	0	2.0	5.7	0.2	0.0	7.7	1

ASTA NUM. 92 NI 177 NF 140 Lungh. 90.9 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.2914	-1.0729	--	--	3.7552	-1.6091 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-9940	1	-0	0	-0	-0	1453.2	4.9	0.5	0.0	1458.1	6	
1E	0	-9914	1	-0	0	-0	-0	1449.4	4.9	0.5	0.0	1454.3	6	
1I	0	-9968	1	-0	0	-0	-0	1457.2	5.0	0.5	0.0	1462.2	6	
1M	0	-9886	1	-0	0	-0	-0	1445.4	5.0	0.5	0.0	1450.3	6	
2	0	-12930	-1	-0	0	-0	-0	1890.4	6.3	0.4	0.0	1896.6	6	
3	0	-7585	-1	-0	0	-0	-0	1108.9	3.8	0.2	0.0	1112.7	6	
4	0	-6863	-1	-0	0	-0	-0	1003.4	3.9	0.2	0.0	1007.2	6	
5	0	-7981	-1	-0	0	-0	-0	1166.8	3.8	0.2	0.0	1170.6	6	
6	0	-16230	1	-0	0	-0	-0	2372.8	7.8	0.4	0.0	2380.6	6	
7	0	-9512	1	-0	0	-0	-0	1390.6	4.6	0.3	0.0	1395.3	6	
8	0	-8538	1	-0	0	-0	-0	1248.2	4.8	0.3	0.0	1253.1	6	
9	0	-10240	1	-0	0	-0	-0	1497.1	4.7	0.3	0.0	1501.8	6	
10	0	-12800	-1	-0	0	-0	-0	1871.3	6.2	0.4	0.0	1877.6	6	
11	0	-7462	-1	-0	0	-0	-0	1090.9	3.7	0.2	0.0	1094.6	6	
12	0	-7295	-1	-0	0	-0	-0	1066.5	3.9	0.2	0.0	1070.4	6	
13	0	-7661	-1	-0	0	-0	-0	1120.0	3.6	0.2	0.0	1123.7	6	
14	0	-14690	1	-0	0	-0	-0	2147.7	7.5	0.5	0.0	2155.1	6	
15	0	-8505	1	-0	0	-0	-0	1243.4	4.3	0.3	0.0	1247.7	6	
16	0	-8433	1	-0	0	-0	-0	1232.9	4.7	0.3	0.0	1237.6	6	
17	0	-8858	1	-0	0	-0	-0	1295.0	4.3	0.3	0.0	1299.4	6	
1A	45	-9942	-0	-0	0	-0	-0	1453.5	1.6	0.2	0.0	1455.1	6	
1E	45	-9916	-0	-0	0	-0	-0	1449.7	1.6	0.2	0.0	1451.3	6	
1I	45	-9970	-0	-0	0	-0	-0	1457.5	1.5	0.2	0.0	1459.0	6	
1M	45	-9888	-0	-0	0	-0	-0	1445.7	1.5	0.2	0.0	1447.2	6	
2	45	-12935	-0	-0	0	-0	-1	1891.1	11.1	0.2	0.0	1902.2	6	
3	45	-7589	-0	-0	0	-0	-0	1109.4	6.6	0.1	0.0	1116.0	6	
4	45	-6867	-0	-0	0	-0	-0	1003.9	6.7	0.1	0.0	1010.5	6	
5	45	-7984	-0	-0	0	-0	-0	1167.3	6.5	0.1	0.0	1173.8	6	
6	45	-16230	-1	-0	0	-0	-0	2372.8	6.3	0.3	0.0	2379.1	6	
7	45	-9514	-0	-0	0	-0	-0	1390.9	3.5	0.2	0.0	1394.4	6	
8	45	-8540	-0	-0	0	-0	-0	1248.5	3.7	0.2	0.0	1252.2	6	
9	45	-10240	-0	-0	0	-0	-0	1497.1	3.6	0.2	0.0	1500.6	6	
10	45	-12805	-0	-0	0	-0	-1	1872.1	11.2	0.2	0.0	1883.2	6	
11	45	-7466	-0	-0	0	-0	-0	1091.4	6.6	0.1	0.0	1098.0	6	
12	45	-7298	-0	-0	0	-0	-0	1067.0	6.8	0.1	0.0	1073.7	6	
13	45	-7665	-0	-0	0	-0	-0	1120.5	6.5	0.1	0.0	1127.0	6	
14	45	-14690	-1	-0	0	-0	-0	2147.7	5.3	0.3	0.0	2152.9	6	
15	45	-8507	-0	-0	0	-0	-0	1243.7	3.1	0.2	0.0	1246.8	6	
16	45	-8435	-0	-0	0	-0	-0	1233.2	3.5	0.2	0.0	1236.7	6	
17	45	-8860	-0	-0	0	-0	-0	1295.3	3.1	0.2	0.0	1298.4	6	
1A	91	-9944	-2	-0	0	-0	-1	1453.8	11.0	0.9	0.0	1464.8	6	
1E	91	-9918	-2	-0	0	-0	-1	1450.0	11.0	0.9	0.0	1460.9	6	
1I	91	-9972	-2	-0	0	-0	-1	1457.8	10.8	0.9	0.0	1468.6	6	
1M	91	-9890	-2	-0	0	-0	-1	1446.0	10.8	0.9	0.0	1456.8	6	
2	91	-12940	0	-0	0	-0	-1	1891.8	11.8	0.1	0.0	1903.7	6	
3	91	-7592	0	-0	0	-0	-0	1109.9	6.9	0.0	0.0	1116.8	6	
4	91	-6870	0	-0	0	-0	-0	1004.4	6.9	0.0	0.0	1011.3	6	
5	91	-7987	0	-0	0	-0	-0	1167.7	6.8	0.0	0.0	1174.5	6	
6	91	-16230	-2	-0	0	-0	-1	2372.8	17.2	1.0	0.0	2390.0	6	
7	91	-9516	-1	-0	0	-0	-1	1391.2	10.0	0.6	0.0	1401.3	6	
8	91	-8542	-1	-0	0	-0	-1	1248.8	10.3	0.6	0.0	1259.2	6	
9	91	-10240	-1	-0	0	-0	-1	1497.1	10.2	0.6	0.0	1507.2	6	
10	91	-12810	0	-0	0	-0	-1	1872.8	12.1	0.1	0.0	1884.9	6	
11	91	-7469	0	-0	0	-0	-0	1092.0	7.0	0.0	0.0	1099.0	6	
12	91	-7301	0	-0	0	-0	-0	1067.4	7.2	0.0	0.0	1074.6	6	
13	91	-7668	0	-0	0	0	-0	1121.1	6.9	0.0	0.0	1127.9	6	
14	91	-14690	-3	-0	0	-0	-1	2147.7	16.7	1.1	0.0	2164.4	6	
15	91	-8509	-1	-0	0	0	-1	1244.0	9.6	0.6	0.0	1253.7	6	
16	91	-8437	-1	-0	0	-0	-1	1233.5	10.1	0.6	0.0	1243.6	6	
17	91	-8862	-1	-0	0	0	-1	1295.6	9.7	0.6	0.0	1305.3	6	

ASTA NUM. 93 NI 174 NF 177 Lungh. 72.6 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	6.7283	1.6821	--	--	2.3954	10.8057 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	7899	2	-0	0	-0	-1	1154.8	9.7	0.8	0.0	1164.4	6	
1E	0	7919	2	-0	0	-0	-1	1157.8	9.7	0.8	0.0	1167.5	6	
1I	0	7876	2	-0	0	-0	-1	1151.5	9.7	0.8	0.0	1161.2	6	
1M	0	7942	2	-0	0	-0	-1	1161.1	9.7	0.8	0.0	1170.8	6	
2	0	10300	6	-0	0	-0	-1	1505.8	12.6	2.6	0.0	1518.4	6	
3	0	6042	4	-0	0	-0	-0	883.3	7.6	1.6	0.0	890.9	6	
4	0	5465	4	-0	0	0	-0	799.0	6.8	1.6	0.0	805.8	6	
5	0	6358	4	-0	0	-0	-0	929.5	7.6	1.6	0.0	937.1	6	
6	0	12930	4	-0	0	-0	-1	1890.4	15.5	1.6	0.0	1905.9	6	
7	0	7580	2	-0	0	-0	-1	1108.2	9.4	1.0	0.0	1117.5	6	
8	0	6802	2	-0	0	0	-1	994.4	8.3	1.0	0.0	1002.8	6	
9	0	8161	2	-0	0	-0	-1	1193.1	9.5	1.0	0.0	1202.7	6	
10	0	10190	6	-0	0	-0	-1	1489.8	12.4	2.6	0.0	1502.2	6	
11	0	5944	4	-0	0	-0	-0	869.0	7.4	1.6	0.0	876.4	6	
12	0	5810	4	-0	0	0	-0	849.4	7.0	1.6	0.0	856.4	6	
13	0	6103	4	-0	0	-0	-0	892.3	7.4	1.6	0.0	899.6	6	
14	0	11700	4	-0	0	-0	-1	1710.5	14.5	1.6	0.0	1725.0	6	
15	0	6776	2	-0	0	-0	-0	990.6	8.6	1.0	0.0	999.2	6	
16	0	6718	2	-0	0	0	-0	982.2	8.2	1.0	0.0	990.3	6	
17	0	7058	2	-0	0	-0	-0	1031.9	8.6	1.0	0.0	1040.4	6	
1A	36	7900	1	-0	0	0	-0	1155.0	0.3	0.5	0.0	1155.3	6	
1E	36	7921	1	-0	0	0	-0	1158.0	0.3	0.5	0.0	1158.3	6	
1I	36	7878	1	-0	0	0	-0	1151.7	0.3	0.5	0.0	1152.0	6	
1M	36	7943	1	-0	0	0	-0	1161.3	0.3	0.5	0.0	1161.6	6	
2	36	10300	1	-0	0	0	1	1505.8	10.7	0.6	0.0	1516.6	6	
3	36	6043	1	-0	0	0	0	883.4	6.8	0.3	0.0	890.2	6	
4	36	5466	1	-0	0	0	0	799.0	7.4	0.3	0.0	806.5	6	
5	36	6359	1	-0	0	0	0	929.6	6.9	0.4	0.0	936.5	6	
6	36	12935	2	-0	0	0	0	1891.1	1.8	0.7	0.0	1892.9	6	
7	36	7582	1	-0	0	0	0	1108.4	1.3	0.4	0.0	1109.7	6	
8	36	6804	1	-0	0	0	0	994.7	2.0	0.4	0.0	996.6	6	
9	36	8162	1	-0	0	0	0	1193.3	1.3	0.5	0.0	1194.6	6	
10	36	10195	1	-0	0	0	1	1490.5	10.7	0.6	0.0	1501.2	6	
11	36	5945	1	-0	0	0	0	869.1	6.8	0.3	0.0	875.9	6	
12	36	5811	1	-0	0	0	0	849.5	7.4	0.3	0.0	856.9	6	
13	36	6104	1	-0	0	0	0	892.3	6.8	0.3	0.0	899.2	6	
14	36	11705	2	-0	0	0	0	1711.3	2.3	0.7	0.0	1713.6	6	
15	36	6777	1	-0	0	0	0	990.8	1.4	0.4	0.0	992.2	6	

16	36	6720	1	-0	0	0	0	982.4	2.1	0.4	0.0	984.5	6
17	36	7059	1	-0	0	0	0	1032.0	1.4	0.4	0.0	1033.5	6
1A	73	7902	0	-0	0	0	0	1155.2	4.1	0.1	0.0	1159.4	6
1E	73	7922	0	-0	0	0	0	1158.2	4.1	0.1	0.0	1162.4	6
1I	73	7879	0	-0	0	0	0	1152.0	4.2	0.1	0.0	1156.1	6
1M	73	7945	0	-0	0	0	0	1161.5	4.2	0.1	0.0	1165.7	6
2	73	10300	-4	-0	0	0	0	1505.8	5.0	1.5	0.0	1510.8	6
3	73	6043	-2	-0	0	0	0	883.5	3.0	0.9	0.0	886.5	6
4	73	5466	-2	-0	0	0	0	799.1	3.4	0.9	0.0	802.6	6
5	73	6359	-2	-0	0	0	0	929.7	3.2	0.9	0.0	932.8	6
6	73	12940	-0	-0	0	0	0	1891.8	6.5	0.2	0.0	1898.3	6
7	73	7583	-0	-0	0	0	0	1108.6	4.0	0.1	0.0	1112.6	6
8	73	6805	-0	-0	0	0	0	994.9	4.3	0.1	0.0	999.2	6
9	73	8163	-0	-0	0	0	0	1193.4	4.2	0.1	0.0	1197.6	6
10	73	10200	-4	-0	0	0	0	1491.2	4.6	1.5	0.0	1495.9	6
11	73	5945	-2	-0	0	0	0	869.2	2.8	0.9	0.0	872.0	6
12	73	5811	-2	-0	0	0	0	849.6	3.6	0.9	0.0	853.1	6
13	73	6104	-2	-0	0	0	0	892.4	2.9	0.9	0.0	895.3	6
14	73	11710	-1	-0	0	0	0	1712.0	5.8	0.3	0.0	1717.8	6
15	73	6778	-0	-0	0	0	0	990.9	3.5	0.2	0.0	994.4	6
16	73	6721	-0	-0	0	0	0	982.6	4.4	0.2	0.0	987.0	6
17	73	7060	-0	-0	0	0	0	1032.2	3.5	0.2	0.0	1035.7	6

ASTA NUM. 94 NI 178 NF 174 Lungh. 84.0 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.0303	-1.2576	--	--	3.4008	-2.8871 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-9138	2	0	0	0	-0	1335.9	4.1	0.8	0.0	1340.0	6	
1E	0	-9114	2	0	0	0	-0	1332.5	4.1	0.8	0.0	1336.5	6	
1I	0	-9164	2	0	0	0	-0	1339.8	4.0	0.8	0.0	1343.8	6	
1M	0	-9088	2	0	0	0	-0	1328.7	4.0	0.8	0.0	1332.7	6	
2	0	-11880	-0	0	0	0	-0	1736.8	5.3	0.2	0.0	1742.1	6	
3	0	-6966	-0	0	0	0	-0	1018.4	3.1	0.1	0.0	1021.5	6	
4	0	-6299	-0	-0	0	-0	-0	920.9	2.0	0.2	0.0	922.9	6	
5	0	-7331	-0	0	0	0	-0	1071.8	3.2	0.1	0.0	1075.0	6	
6	0	-14930	2	0	0	0	-0	2182.7	6.7	0.9	0.0	2189.5	6	
7	0	-8748	1	0	0	0	-0	1278.9	3.9	0.5	0.0	1282.9	6	
8	0	-7848	1	-0	0	-0	-0	1147.4	2.6	0.5	0.0	1150.0	6	
9	0	-9420	1	0	0	0	-0	1377.2	4.2	0.6	0.0	1381.3	6	
10	0	-11760	-0	0	0	0	-0	1719.3	5.4	0.2	0.0	1724.7	6	
11	0	-6853	-0	0	0	0	-0	1001.9	3.1	0.1	0.0	1005.0	6	
12	0	-6698	-0	-0	0	-0	-0	979.2	2.1	0.1	0.0	981.4	6	
13	0	-7037	-0	0	0	0	-0	1028.8	3.2	0.1	0.0	1032.0	6	
14	0	-13500	2	0	0	0	-0	1973.7	6.3	0.9	0.0	1980.0	6	
15	0	-7818	1	0	0	0	-0	1143.0	3.7	0.5	0.0	1146.6	6	
16	0	-7751	1	-0	0	-0	-0	1133.2	2.6	0.5	0.0	1135.8	6	
17	0	-8144	1	0	0	0	-0	1190.6	3.8	0.5	0.0	1194.5	6	
1A	42	-9140	1	0	0	0	0	1336.2	6.1	0.2	0.0	1342.3	6	
1E	42	-9116	1	0	0	0	0	1332.8	6.1	0.2	0.0	1338.9	6	
1I	42	-9166	1	0	0	0	0	1340.1	6.1	0.2	0.0	1346.1	6	
1M	42	-9090	1	0	0	0	0	1329.0	6.1	0.2	0.0	1335.0	6	
2	42	-11885	1	0	0	0	-0	1737.6	4.1	0.3	0.0	1741.6	6	
3	42	-6970	0	0	0	0	-0	1018.9	2.6	0.2	0.0	1021.5	6	
4	42	-6302	0	-0	0	-0	-0	921.3	2.0	0.2	0.0	923.4	6	
5	42	-7335	0	0	0	0	-0	1072.3	2.4	0.2	0.0	1074.7	6	
6	42	-14930	1	0	0	0	0	2182.7	5.8	0.4	0.0	2188.5	6	
7	42	-8750	1	0	0	0	0	1279.2	3.6	0.2	0.0	1282.8	6	
8	42	-7850	0	-0	0	-0	0	1147.7	3.2	0.2	0.0	1150.8	6	
9	42	-9422	1	0	0	0	0	1377.5	3.7	0.3	0.0	1381.2	6	
10	42	-11765	1	0	0	0	-0	1720.0	4.1	0.3	0.0	1724.1	6	
11	42	-6856	0	0	0	0	-0	1002.3	2.6	0.2	0.0	1004.9	6	
12	42	-6701	0	-0	0	-0	-0	979.7	2.0	0.2	0.0	981.6	6	
13	42	-7040	0	0	0	0	-0	1029.2	2.5	0.2	0.0	1031.7	6	
14	42	-13505	1	0	0	0	0	1974.4	6.2	0.4	0.0	1980.6	6	
15	42	-7820	1	0	0	0	0	1143.3	3.5	0.2	0.0	1146.8	6	
16	42	-7753	0	-0	0	-0	0	1133.5	3.4	0.2	0.0	1136.9	6	
17	42	-8146	1	0	0	0	0	1190.9	3.6	0.2	0.0	1194.5	6	
1A	84	-9142	-1	0	0	0	0	1336.5	5.2	0.4	0.0	1341.8	6	
1E	84	-9118	-1	0	0	0	0	1333.1	5.2	0.4	0.0	1338.3	6	
1I	84	-9168	-1	0	0	0	0	1340.3	5.2	0.4	0.0	1345.5	6	
1M	84	-9092	-1	0	0	0	0	1329.2	5.2	0.4	0.0	1334.4	6	
2	84	-11890	2	0	0	0	0	1738.3	6.4	0.8	0.0	1744.7	6	
3	84	-6973	1	0	0	0	0	1019.4	3.8	0.5	0.0	1023.2	6	
4	84	-6305	1	-0	0	-0	0	921.8	3.0	0.5	0.0	924.8	6	
5	84	-7338	1	0	0	0	0	1072.8	4.1	0.5	0.0	1076.9	6	
6	84	-14930	-0	0	0	0	0	2182.7	8.0	0.1	0.0	2190.8	6	
7	84	-8752	-0	0	0	0	0	1279.5	4.7	0.1	0.0	1284.2	6	
8	84	-7852	-0	-0	0	-0	0	1148.0	3.7	0.1	0.0	1151.6	6	
9	84	-9424	-0	0	0	0	0	1377.8	5.2	0.1	0.0	1383.0	6	
10	84	-11770	2	0	0	0	0	1720.8	6.5	0.8	0.0	1727.2	6	
11	84	-6859	1	0	0	0	0	1002.8	3.8	0.5	0.0	1006.5	6	
12	84	-6704	1	-0	0	-0	0	980.1	3.4	0.5	0.0	983.5	6	
13	84	-7043	1	0	0	0	0	1029.7	4.0	0.5	0.0	1033.7	6	
14	84	-13510	-0	0	0	0	0	1975.1	7.6	0.2	0.0	1982.7	6	
15	84	-7822	-0	0	0	0	0	1143.6	4.3	0.1	0.0	1147.9	6	
16	84	-7755	-0	-0	0	-0	0	1133.8	3.9	0.1	0.0	1137.7	6	
17	84	-8148	-0	0	0	0	0	1191.2	4.6	0.1	0.0	1195.9	6	

ASTA NUM. 95 NI 175 NF 178 Lungh. 77.8 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.8595	1.4649	--	--	2.9529	10.2772 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	8430	2	1	0	0	-0	1232.5	7.8	0.7	0.0	1240.3	1	
1E	0	8452	2	1	0	0	-0	1235.7	7.8	0.7	0.0	1243.5	1	
1I	0	8406	2	1	0	0	-0	1228.9	7.6	0.7	0.0	1236.6	1	
1M	0	8476	2	1	0	0	-0	1239.2	7.6	0.7	0.0	1246.9	1	
2	0	10990	6	1	0	1	-0	1606.7	10.5	2.4	0.0	1617.3	1	
3	0	6445	3	1	0	0	-0	942.3	6.1	1.5	0.0	948.4	1	
4	0	5827	4	0	0	0	-0	851.9	4.6	1.5	0.0	856.5	1	
5	0	6783	4	1	0	0	-0	991.7	6.4	1.5	0.0	998.1	1	
6	0	13810	3	1	0	1	-0	2019.0	10.8	1.3	0.0	2029.8	1	
7	0	8093	2	1	0	0	-0	1183.2	6.1	0.8	0.0	1189.3	1	
8	0	7260	2	0	0	0	-0	1061.4	4.5	0.8	0.0	1065.9	1	
9	0	8715	2	1	0	0	-0	1274.1	6.6	0.8	0.0	1280.7	1	
10	0	10880	6	1	0	1	-0	1590.6	10.9	2.4	0.0	1601.5	1	
11	0	6340	4	1	0	0	-0	926.9	6.4	1.5	0.0	933.3	1	
12	0	6197	4	0	0	0	-0	906.0	4.3	1.5	0.0	910.3	1	
13	0	6510	4	1	0	0	-0	951.8	6.8	1.5	0.0	958.5	1	
14	0	12490	3	1	0	1	-0	1826.0	11.8	1.4	0.0	1837.8	1	
15	0	7232	2	1	0	0	-0	1057.3	6.2	0.8	0.0	1063.5	1	
16	0	7171	2	0	0	0	-0	1048.4	3.9	0.8	0.0	1052.3	6	
17	0	7534	2	1	0	0	-0	1101.5	6.8	0.8	0.0	1108.3	1	
1A	39	8432	0	1	0	0	0	1232.7	4.9	0.3	0.0	1237.6	6	
1E	39	8453	0	1	0	0	0	1235.9	4.9	0.3	0.0	1240.8	6	
1I	39	8407	0	1	0	0	0	1229.1	4.9	0.3	0.0	1234.1	6	
1M	39	8478	0	1	0	0	0	1239.4	4.9	0.3	0.0	1244.4	6	
2	39	10990	1	1	0	0	1	1606.7	17.4	0.4	0.0	1624.1	6	
3	39	6445	0	1	0	0	1	942.3	10.7	0.2	0.0	953.0	6	
4	39	5827	0	0	0	0	1	851.9	10.6	0.2	0.0	862.5	6	
5	39	6783	0	1	0	0	1	991.7	11.0	0.2	0.0	1002.6	6	
6	39	13815	1	1	0	0	1	2019.7	9.6	0.4	0.0	2029.3	6	
7	39	8095	0	1	0	0	0	1183.4	5.7	0.2	0.0	1189.2	6	
8	39	7262	0	0	0	0	0	1061.6	5.5	0.2	0.0	1067.1	6	
9	39	8717	0	1	0	0	0	1274.3	6.1	0.2	0.0	1280.5	6	
10	39	10880	1	1	0	0	1	1590.6	17.2	0.4	0.0	1607.8	6	
11	39	6340	0	1	0	0	1	926.9	10.6	0.2	0.0	937.5	6	
12	39	6197	0	0	0	0	1	906.0	10.6	0.2	0.0	916.6	6	
13	39	6510	0	1	0	0	1	951.8	10.8	0.2	0.0	962.6	6	
14	39	12490	1	1	0	0	0	1826.0	9.5	0.4	0.0	1835.6	6	
15	39	7233	0	1	0	0	0	1057.5	5.4	0.2	0.0	1062.9	6	
16	39	7172	0	0	0	0	0	1048.5	5.5	0.2	0.0	1054.1	6	
17	39	7535	0	1	0	0	0	1101.6	5.7	0.2	0.0	1107.3	6	
1A	78	8433	-1	1	0	-0	0	1232.9	3.7	0.3	0.0	1236.6	6	
1E	78	8455	-1	1	0	-0	0	1236.1	3.7	0.3	0.0	1239.8	6	
1I	78	8409	-1	1	0	-0	0	1229.3	3.6	0.3	0.0	1233.0	6	
1M	78	8479	-1	1	0	-0	0	1239.7	3.6	0.3	0.0	1243.3	6	
2	78	10990	-4	1	0	-0	0	1606.7	4.5	1.9	0.0	1611.2	6	
3	78	6445	-3	1	0	-0	0	942.3	2.6	1.2	0.0	944.9	6	
4	78	5827	-3	0	0	0	0	851.9	2.2	1.2	0.0	854.1	6	
5	78	6783	-3	1	0	-0	0	991.7	2.8	1.2	0.0	994.5	6	
6	78	13820	-2	1	0	-0	0	2020.5	6.1	0.7	0.0	2026.5	6	
7	78	8096	-1	1	0	-0	0	1183.6	3.6	0.5	0.0	1187.2	6	
8	78	7263	-1	0	0	0	0	1061.8	2.9	0.5	0.0	1064.7	6	
9	78	8718	-1	1	0	-0	0	1274.6	3.9	0.5	0.0	1278.5	6	
10	78	10880	-4	1	0	-0	0	1590.6	4.4	1.9	0.0	1595.0	6	
11	78	6340	-3	1	0	-0	0	926.9	2.6	1.2	0.0	929.5	6	
12	78	6197	-3	0	0	0	0	906.0	2.5	1.2	0.0	908.5	6	
13	78	6510	-3	1	0	-0	0	951.8	2.7	1.2	0.0	954.4	6	
14	78	12490	-2	1	0	-0	0	1826.0	5.2	0.8	0.0	1831.3	6	
15	78	7234	-1	1	0	-0	0	1057.6	3.1	0.5	0.0	1060.7	6	
16	78	7173	-1	0	0	0	0	1048.7	3.1	0.5	0.0	1051.7	6	
17	78	7536	-1	1	0	-0	0	1101.8	3.2	0.5	0.0	1105.0	6	

ASTA NUM. 96 NI 179 NF 175 Lungh. 77.8 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-5.8595	-1.4649	--	--	2.9529	-4.3715 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6643	2	-1	0	0	-0	971.2	3.3	0.7	0.0	974.5	6	
1E	0	-6621	2	-1	0	0	-0	968.0	3.3	0.7	0.0	971.3	6	
1I	0	-6667	2	-1	0	0	-0	974.7	3.3	0.7	0.0	978.1	6	
1M	0	-6597	2	-1	0	0	-0	964.4	3.3	0.7	0.0	967.7	6	
2	0	-9231	-1	-1	0	0	-0	1349.6	4.6	0.5	0.0	1354.2	6	
3	0	-5346	-1	-0	0	0	-0	781.6	2.8	0.3	0.0	784.3	6	
4	0	-5607	-1	-0	0	0	-0	819.7	3.3	0.3	0.0	823.0	6	
5	0	-5685	-1	-0	0	0	-0	831.1	2.8	0.3	0.0	834.0	6	
6	0	-11100	2	-1	0	0	-0	1622.8	5.4	0.6	0.0	1628.2	6	
7	0	-6400	1	-0	0	0	-0	935.7	3.2	0.4	0.0	938.9	6	
8	0	-7042	1	-0	0	0	-0	1029.5	4.0	0.4	0.0	1033.6	6	
9	0	-7022	1	-0	0	0	-0	1026.6	3.4	0.4	0.0	1030.0	6	
10	0	-10810	-1	-1	0	0	-0	1580.4	5.4	0.5	0.0	1585.8	6	
11	0	-6299	-1	-0	0	0	-0	920.9	3.2	0.3	0.0	924.1	6	
12	0	-6156	-1	-0	0	0	-0	900.0	3.5	0.3	0.0	903.5	6	
13	0	-6469	-1	-0	0	0	-0	945.8	3.3	0.3	0.0	949.0	6	
14	0	-12420	2	-1	0	0	-0	1815.8	6.2	0.7	0.0	1822.0	6	
15	0	-7193	1	-0	0	0	-0	1051.6	3.7	0.4	0.0	1055.3	6	
16	0	-7132	1	-0	0	0	-0	1042.7	4.0	0.4	0.0	1046.7	6	
17	0	-7495	1	-0	0	0	-0	1095.8	3.8	0.4	0.0	1099.5	6	
1A	39	-6645	0	-1	0	0	0	971.5	5.5	0.2	0.0	977.0	1	
1E	39	-6623	0	-1	0	0	0	968.3	5.5	0.2	0.0	973.8	1	
1I	39	-6669	0	-1	0	0	0	975.0	5.6	0.2	0.0	980.6	1	
1M	39	-6599	0	-1	0	0	0	964.7	5.6	0.2	0.0	970.3	1	
2	39	-9236	1	-1	0	0	-0	1350.2	8.0	0.3	0.0	1358.3	6	
3	39	-5349	0	-0	0	0	-0	782.0	5.0	0.2	0.0	787.0	6	
4	39	-5610	0	-0	0	0	-0	820.2	5.1	0.2	0.0	825.2	6	
5	39	-5688	0	-0	0	0	-0	831.6	5.0	0.2	0.0	836.6	1	
6	39	-11105	1	-1	0	0	0	1623.5	7.0	0.3	0.0	1630.6	1	
7	39	-6402	0	-0	0	0	0	935.9	4.1	0.2	0.0	940.0	1	
8	39	-7044	0	-0	0	0	0	1029.8	3.8	0.2	0.0	1033.6	1	
9	39	-7024	1	-0	0	0	0	1026.9	4.5	0.2	0.0	1031.4	1	
10	39	-10815	1	-1	0	0	-0	1581.1	8.4	0.3	0.0	1589.6	6	
11	39	-6302	0	-0	0	0	-0	921.3	5.3	0.2	0.0	926.6	6	
12	39	-6159	0	-0	0	0	-0	900.4	5.0	0.2	0.0	905.4	6	
13	39	-6472	0	-0	0	0	-0	946.2	5.2	0.2	0.0	951.4	1	
14	39	-12425	1	-1	0	0	0	1816.5	7.4	0.4	0.0	1823.9	1	
15	39	-7195	0	-0	0	0	0	1051.9	4.0	0.2	0.0	1055.9	1	
16	39	-7134	0	-0	0	0	0	1043.0	3.6	0.2	0.0	1046.6	1	
17	39	-7497	0	-0	0	0	0	1096.1	4.4	0.2	0.0	1100.5	1	
1A	78	-6647	-1	-1	0	0	0	971.8	8.7	0.3	0.0	980.5	1	
1E	78	-6625	-1	-1	0	0	0	968.6	8.7	0.3	0.0	977.3	1	
1I	78	-6671	-1	-1	0	0	0	975.3	8.8	0.3	0.0	984.2	1	
1M	78	-6601	-1	-1	0	0	0	965.0	8.8	0.3	0.0	973.9	1	
2	78	-9240	2	-1	0	1	0	1350.9	12.2	1.0	0.0	1363.1	1	
3	78	-5352	2	-0	0	0	0	782.5	7.2	0.6	0.0	789.6	1	
4	78	-5613	2	-0	0	0	0	820.6	5.4	0.6	0.0	826.0	1	
5	78	-5691	2	-0	0	0	0	832.0	7.6	0.6	0.0	839.6	1	
6	78	-11110	0	-1	0	1	0	1624.3	13.0	0.3	0.0	1637.3	1	
7	78	-6403	-0	-0	0	0	0	936.1	7.5	0.2	0.0	943.6	1	
8	78	-7046	-0	-0	0	0	0	1030.1	5.5	0.1	0.0	1035.6	1	
9	78	-7026	0	-0	0	0	0	1027.2	8.1	0.2	0.0	1035.3	1	
10	78	-10820	3	-1	0	1	0	1581.9	12.5	1.1	0.0	1594.4	1	
11	78	-6305	2	-0	0	0	0	921.8	7.4	0.6	0.0	929.2	1	
12	78	-6162	2	-0	0	0	0	900.9	5.3	0.6	0.0	906.2	1	
13	78	-6475	2	-0	0	0	0	946.6	7.9	0.7	0.0	954.5	1	
14	78	-12430	-0	-1	0	1	0	1817.3	13.7	0.4	0.0	1830.9	1	
15	78	-7197	-0	-0	0	0	0	1052.2	7.4	0.2	0.0	1059.6	1	
16	78	-7136	-0	-0	0	0	0	1043.3	4.9	0.1	0.0	1048.2	1	
17	78	-7499	0	-0	0	0	0	1096.3	8.2	0.2	0.0	1104.5	1	

ASTA NUM. 97 NI 176 NF 179 Lungh. 84.0 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	5.0303	1.2576	--	--	3.4008	9.6887 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	7130	2	-0	0	-0	-0	1042.4	1.8	0.8	0.0	1044.2	6	
1E	0	7154	2	-0	0	-0	-0	1045.9	1.8	0.8	0.0	1047.7	6	
1I	0	7104	2	-0	0	-0	-0	1038.6	1.9	0.8	0.0	1040.5	1	
1M	0	7180	2	-0	0	-0	-0	1049.7	1.9	0.8	0.0	1051.6	1	
2	0	9946	6	-0	0	-0	-0	1454.1	2.7	2.4	0.0	1456.7	1	
3	0	5760	4	-0	0	-0	-0	842.1	1.7	1.5	0.0	843.8	1	
4	0	6041	4	-0	0	-0	-0	883.2	2.5	1.5	0.0	885.7	1	
5	0	6125	4	-0	0	-0	-0	895.5	1.7	1.5	0.0	897.2	1	
6	0	11960	3	-0	0	-0	-0	1748.5	3.4	1.4	0.0	1751.9	6	
7	0	6894	2	-0	0	-0	-0	1007.9	2.2	0.9	0.0	1010.0	1	
8	0	7588	2	-0	0	-0	-0	1109.4	3.2	0.9	0.0	1112.5	1	
9	0	7565	2	-0	0	-0	-0	1106.0	2.2	0.9	0.0	1108.2	1	
10	0	11650	6	-0	0	-0	-0	1703.2	3.0	2.4	0.0	1706.3	1	
11	0	6788	4	-0	0	-0	-0	992.4	1.9	1.5	0.0	994.3	1	
12	0	6634	4	-0	0	-0	-0	969.9	2.7	1.5	0.0	972.6	1	
13	0	6972	4	-0	0	-0	-0	1019.3	1.9	1.5	0.0	1021.2	1	
14	0	13390	4	-0	0	-0	-0	1957.6	3.9	1.5	0.0	1961.5	6	
15	0	7751	2	-0	0	-0	-0	1133.2	2.4	0.9	0.0	1135.6	6	
16	0	7685	2	-0	0	-0	-0	1123.5	3.3	0.9	0.0	1126.9	1	
17	0	8077	2	-0	0	-0	-0	1180.8	2.3	0.9	0.0	1183.2	6	
1A	42	7132	0	-0	0	-0	0	1042.6	6.6	0.2	0.0	1049.2	6	
1E	42	7155	0	-0	0	-0	0	1046.1	6.6	0.2	0.0	1052.7	6	
1I	42	7106	0	-0	0	-0	0	1038.8	6.7	0.2	0.0	1045.5	6	
1M	42	7181	0	-0	0	-0	0	1049.9	6.7	0.2	0.0	1056.6	6	
2	42	9946	1	-0	0	-0	1	1454.0	20.3	0.2	0.0	1474.3	6	
3	42	5760	0	-0	0	-0	1	842.0	12.6	0.1	0.0	854.6	6	
4	42	6041	0	-0	0	-0	1	883.2	12.9	0.1	0.0	896.1	6	
5	42	6125	0	-0	0	-0	1	895.5	12.8	0.1	0.0	908.3	6	
6	42	11960	1	-0	0	-0	1	1748.5	12.2	0.3	0.0	1760.8	6	
7	42	6895	0	-0	0	-0	0	1008.0	7.6	0.2	0.0	1015.6	6	
8	42	7590	0	-0	0	-0	0	1109.6	7.9	0.2	0.0	1117.5	6	
9	42	7566	0	-0	0	-0	0	1106.1	7.8	0.2	0.0	1114.0	6	
10	42	11650	1	-0	0	-0	1	1703.2	20.4	0.2	0.0	1723.6	6	
11	42	6788	0	-0	0	-0	1	992.4	12.7	0.1	0.0	1005.1	6	
12	42	6634	0	-0	0	-0	1	969.9	13.1	0.1	0.0	983.0	6	
13	42	6972	0	-0	0	-0	1	1019.2	12.8	0.1	0.0	1032.0	6	
14	42	13390	1	-0	0	-0	1	1957.6	12.8	0.3	0.0	1970.4	6	
15	42	7752	0	-0	0	-0	0	1133.3	7.6	0.2	0.0	1140.9	6	
16	42	7687	0	-0	0	-0	0	1123.8	8.2	0.2	0.0	1131.9	6	
17	42	8078	0	-0	0	-0	0	1181.0	7.7	0.2	0.0	1188.7	6	
1A	84	7133	-1	-0	0	-0	0	1042.9	4.2	0.4	0.0	1047.1	6	
1E	84	7157	-1	-0	0	-0	0	1046.3	4.2	0.4	0.0	1050.6	6	
1I	84	7107	-1	-0	0	-0	0	1039.0	4.3	0.4	0.0	1043.3	6	
1M	84	7183	-1	-0	0	-0	0	1050.1	4.3	0.4	0.0	1054.4	6	
2	84	9945	-5	-0	0	-0	0	1453.9	5.7	2.0	0.0	1459.7	6	
3	84	5759	-3	-0	0	-0	0	842.0	3.4	1.2	0.0	845.4	6	
4	84	6041	-3	-0	0	-0	0	883.2	4.0	1.2	0.0	887.1	6	
5	84	6125	-3	-0	0	-0	0	895.5	3.6	1.2	0.0	899.1	6	
6	84	11960	-2	-0	0	-0	0	1748.5	6.9	0.9	0.0	1755.4	6	
7	84	6896	-1	-0	0	-0	0	1008.2	4.1	0.6	0.0	1012.3	6	
8	84	7591	-1	-0	0	-0	0	1109.8	4.9	0.6	0.0	1114.7	6	
9	84	7567	-1	-0	0	-0	0	1106.3	4.4	0.6	0.0	1110.7	6	
10	84	11650	-5	-0	0	-0	0	1703.2	6.4	1.9	0.0	1709.6	6	
11	84	6788	-3	-0	0	-0	0	992.4	3.8	1.2	0.0	996.2	6	
12	84	6634	-3	-0	0	-0	0	969.9	4.4	1.2	0.0	974.2	6	
13	84	6971	-3	-0	0	-0	0	1019.2	3.9	1.2	0.0	1023.1	6	
14	84	13390	-2	-0	0	-0	0	1957.6	7.3	0.9	0.0	1964.9	6	
15	84	7753	-1	-0	0	-0	0	1133.5	4.3	0.6	0.0	1137.8	6	
16	84	7688	-1	-0	0	-0	0	1124.0	5.1	0.6	0.0	1129.0	6	
17	84	8079	-1	-0	0	-0	0	1181.1	4.4	0.6	0.0	1185.6	6	

ASTA NUM. 98 NI 180 NF 176 Lungh. 72.6 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-6.7283	-1.6821	--	--	2.3954	-6.0150 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6160	1	-0	0	-0	0	900.6	0.8	0.5	0.0	901.5	1	
1E	0	-6140	1	-0	0	-0	0	897.6	0.8	0.5	0.0	898.4	1	
1I	0	-6183	1	-0	0	-0	0	903.9	1.0	0.5	0.0	904.9	1	
1M	0	-6117	1	-0	0	-0	0	894.4	1.0	0.5	0.0	895.4	1	
2	0	-8561	-2	-0	0	-0	0	1251.6	1.5	0.8	0.0	1253.1	1	
3	0	-4957	-1	-0	0	-0	0	724.7	0.9	0.6	0.0	725.6	6	
4	0	-5200	-1	-0	0	0	0	760.2	0.6	0.5	0.0	760.8	6	
5	0	-5272	-1	-0	0	-0	0	770.8	0.9	0.5	0.0	771.6	6	
6	0	-10300	1	-0	0	-0	0	1505.8	1.6	0.4	0.0	1507.5	1	
7	0	-5938	1	-0	0	-0	0	868.1	0.5	0.2	0.0	868.7	6	
8	0	-6539	1	-0	0	0	0	956.0	0.2	0.3	0.0	956.2	1	
9	0	-6518	1	-0	0	-0	0	952.9	0.9	0.3	0.0	953.8	1	
10	0	-10040	-2	-0	0	-0	0	1467.8	1.5	0.8	0.0	1469.4	1	
11	0	-5846	-1	-0	0	-0	0	854.7	0.6	0.5	0.0	855.3	6	
12	0	-5712	-1	-0	0	0	0	835.1	0.5	0.5	0.0	835.6	6	
13	0	-6004	-1	-0	0	-0	0	877.8	0.9	0.5	0.0	878.6	1	
14	0	-11540	1	-0	0	-0	-0	1687.1	1.7	0.5	0.0	1688.8	1	
15	0	-6679	1	-0	0	-0	0	976.5	0.3	0.3	0.0	976.8	1	
16	0	-6622	1	-0	0	0	0	968.1	0.2	0.3	0.0	968.3	1	
17	0	-6960	1	-0	0	-0	-0	1017.5	0.9	0.3	0.0	1018.5	1	

1A	36	-6162	0	-0	0	0	0	900.9	5.3	0.1	0.0	906.2	6
1E	36	-6142	0	-0	0	0	0	897.9	5.3	0.1	0.0	903.2	6
1I	36	-6185	0	-0	0	0	0	904.2	5.3	0.1	0.0	909.5	6
1M	36	-6119	0	-0	0	0	0	894.6	5.3	0.1	0.0	900.0	6
2	36	-8566	0	-0	0	0	-0	1252.3	3.9	0.2	0.0	1256.1	6
3	36	-4960	0	-0	0	0	-0	725.1	2.7	0.1	0.0	727.8	6
4	36	-5203	0	-0	0	0	-0	760.6	2.9	0.1	0.0	763.5	6
5	36	-5275	0	-0	0	0	-0	771.1	2.4	0.1	0.0	773.5	6
6	36	-10305	1	-0	0	0	0	1506.6	5.3	0.3	0.0	1511.9	6
7	36	-5940	0	-0	0	0	0	868.4	3.2	0.1	0.0	871.6	6
8	36	-6541	0	-0	0	0	0	956.2	3.4	0.2	0.0	959.6	6
9	36	-6520	0	-0	0	0	0	953.2	3.5	0.2	0.0	956.7	6
10	36	-10045	1	-0	0	0	-0	1468.6	3.4	0.3	0.0	1471.9	6
11	36	-5849	0	-0	0	0	-0	855.0	2.4	0.1	0.0	857.5	6
12	36	-5715	0	-0	0	0	-0	835.5	2.6	0.1	0.0	838.2	6
13	36	-6007	0	-0	0	0	-0	878.2	2.2	0.1	0.0	880.4	6
14	36	-11540	1	-0	0	0	0	1687.1	5.8	0.3	0.0	1692.9	6
15	36	-6681	0	-0	0	0	0	976.8	3.3	0.2	0.0	980.1	6
16	36	-6624	0	-0	0	0	0	968.4	3.6	0.2	0.0	972.0	6
17	36	-6962	1	-0	0	0	0	1017.8	3.5	0.2	0.0	1021.3	6
1A	73	-6164	-1	-0	0	0	0	901.2	5.2	0.2	0.0	906.4	6
1E	73	-6144	-1	-0	0	0	0	898.2	5.2	0.2	0.0	903.4	6
1I	73	-6187	-1	-0	0	0	0	904.5	5.2	0.2	0.0	909.7	6
1M	73	-6121	-1	-0	0	0	0	894.9	5.2	0.2	0.0	900.2	6
2	73	-8570	3	-0	0	0	0	1252.9	6.8	1.2	0.0	1259.7	6
3	73	-4962	2	-0	0	0	0	725.4	3.7	0.7	0.0	729.1	6
4	73	-5205	2	-0	0	0	0	761.0	4.1	0.7	0.0	765.1	6
5	73	-5277	2	-0	0	0	0	771.5	4.3	0.8	0.0	775.8	6
6	73	-10310	0	-0	0	0	1	1507.3	9.1	0.2	0.0	1516.4	6
7	73	-5942	0	-0	0	0	0	868.7	4.9	0.1	0.0	873.6	6
8	73	-6542	0	-0	0	0	0	956.4	5.7	0.1	0.0	962.1	6
9	73	-6522	0	-0	0	0	0	953.5	6.0	0.1	0.0	959.5	6
10	73	-10050	3	-0	0	0	0	1469.3	8.4	1.3	0.0	1477.7	6
11	73	-5851	2	-0	0	0	0	855.4	4.6	0.8	0.0	860.0	6
12	73	-5718	2	-0	0	0	0	836.0	4.8	0.8	0.0	840.8	6
13	73	-6010	2	-0	0	0	0	878.7	5.1	0.8	0.0	883.7	6
14	73	-11540	0	-0	0	0	1	1687.1	10.1	0.2	0.0	1697.3	6
15	73	-6683	0	-0	0	0	0	977.0	5.6	0.1	0.0	982.7	6
16	73	-6626	0	-0	0	0	0	968.7	6.0	0.1	0.0	974.7	6
17	73	-6964	0	-0	0	0	0	1018.1	6.3	0.1	0.0	1024.5	6

ASTA NUM. 99 NI 141 NF 180 Lungh. 90.9 cm SEZ. 18 Ps L 70X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.2914	1.0729	--	--	3.7552	9.1195 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	7662	1	-0	0	-0	1	1120.2	9.6	0.5	0.0	1129.8	6	
1E	0	7688	1	-0	0	-0	1	1124.0	9.6	0.5	0.0	1133.6	6	
1I	0	7634	1	-0	0	-0	1	1116.1	9.8	0.5	0.0	1126.0	6	
1M	0	7716	1	-0	0	-0	1	1128.0	9.8	0.5	0.0	1137.8	6	
2	0	10690	5	-0	0	-0	1	1562.9	9.7	2.0	0.0	1572.5	6	
3	0	6188	3	-0	0	-0	0	904.7	5.3	1.3	0.0	910.0	6	
4	0	6493	3	-0	0	-0	0	949.3	5.5	1.3	0.0	954.8	6	
5	0	6583	3	-0	0	-0	0	962.4	6.0	1.3	0.0	968.5	6	
6	0	12870	2	-0	0	-0	1	1881.6	15.2	1.0	0.0	1896.8	6	
7	0	7414	1	-0	0	-0	0	1083.9	8.7	0.6	0.0	1092.6	6	
8	0	8165	1	-0	0	-0	1	1193.7	9.0	0.6	0.0	1202.7	6	
9	0	8140	1	-0	0	-0	1	1190.1	9.7	0.6	0.0	1199.7	6	
10	0	12540	5	-0	0	-0	1	1833.3	11.1	2.0	0.0	1844.4	6	
11	0	7301	3	-0	0	-0	0	1067.4	6.2	1.3	0.0	1073.6	6	
12	0	7134	3	-0	0	-0	0	1043.0	6.4	1.3	0.0	1049.4	6	
13	0	7500	3	-0	0	-0	0	1096.5	6.7	1.2	0.0	1103.2	6	
14	0	14410	2	-0	0	-0	1	2106.7	15.6	1.0	0.0	2122.3	6	
15	0	8342	1	-0	0	-0	1	1219.6	8.9	0.6	0.0	1228.5	6	
16	0	8270	1	-0	0	-0	1	1209.1	9.3	0.6	0.0	1218.4	6	
17	0	8694	1	-0	0	-0	1	1271.1	9.5	0.6	0.0	1280.6	6	
1A	45	7663	-1	-0	0	0	1	1120.4	11.9	0.2	0.0	1132.3	6	
1E	45	7690	-1	-0	0	0	1	1124.2	11.9	0.2	0.0	1136.1	6	
1I	45	7636	-1	-0	0	0	1	1116.4	12.0	0.2	0.0	1128.4	6	
1M	45	7717	-1	-0	0	0	1	1128.2	12.0	0.2	0.0	1140.2	6	
2	45	10690	-1	-0	0	0	2	1562.9	25.3	0.2	0.0	1588.2	6	
3	45	6188	-0	-0	0	-0	1	904.7	15.3	0.1	0.0	920.0	6	
4	45	6493	-0	-0	0	-0	1	949.2	15.5	0.1	0.0	964.7	6	
5	45	6583	-0	-0	0	0	1	962.4	15.8	0.1	0.0	978.1	6	
6	45	12870	-1	-0	0	0	1	1881.6	20.6	0.4	0.0	1902.2	6	
7	45	7415	-0	-0	0	-0	1	1084.1	12.1	0.2	0.0	1096.2	6	
8	45	8166	-0	-0	0	-0	1	1193.9	12.5	0.2	0.0	1206.4	6	
9	45	8141	-1	-0	0	0	1	1190.2	12.9	0.2	0.0	1203.1	6	
10	45	12540	-1	-0	0	0	2	1833.3	26.5	0.3	0.0	1859.8	6	
11	45	7301	-0	-0	0	-0	1	1067.4	15.9	0.1	0.0	1083.3	6	
12	45	7134	-0	-0	0	-0	1	1043.0	16.1	0.1	0.0	1059.0	6	
13	45	7500	-0	-0	0	0	1	1096.4	16.3	0.2	0.0	1112.7	6	
14	45	14410	-1	-0	0	0	1	2106.7	21.7	0.4	0.0	2128.4	6	
15	45	8343	-0	-0	0	-0	1	1219.7	12.4	0.2	0.0	1232.1	6	
16	45	8271	-0	-0	0	-0	1	1209.2	12.7	0.2	0.0	1221.9	6	
17	45	8695	-1	-0	0	0	1	1271.2	12.9	0.2	0.0	1284.1	6	
1A	91	7665	-2	-0	0	0	0	1120.6	1.5	1.0	0.0	1122.1	6	
1E	91	7691	-2	-0	0	0	0	1124.4	1.5	1.0	0.0	1126.0	6	
1I	91	7637	-2	-0	0	0	0	1116.6	1.6	1.0	0.0	1118.2	6	
1M	91	7719	-2	-0	0	0	0	1128.4	1.6	1.0	0.0	1130.1	6	
2	91	10690	-6	-0	0	0	0	1562.9	1.8	2.5	0.0	1564.7	1	
3	91	6188	-4	-0	0	0	0	904.7	0.7	1.5	0.0	905.4	6	
4	91	6492	-4	-0	0	-0	0	949.1	0.7	1.5	0.0	949.8	6	
5	91	6582	-4	-0	0	0	0	962.3	1.0	1.5	0.0	963.3	6	
6	91	12870	-4	-0	0	0	0	1881.6	3.0	1.7	0.0	1884.6	6	
7	91	7416	-2	-0	0	0	0	1084.2	1.4	1.0	0.0	1085.6	6	
8	91	8167	-2	-0	0	-0	0	1194.0	1.4	1.0	0.0	1195.4	6	
9	91	8142	-2	-0	0	0	0	1190.4	1.9	1.0	0.0	1192.3	6	
10	91	12540	-6	-0	0	0	0	1833.3	2.4	2.5	0.0	1835.8	6	
11	91	7301	-4	-0	0	0	0	1067.4	1.1	1.5	0.0	1068.5	6	
12	91	7134	-4	-0	0	-0	0	1043.0	0.9	1.5	0.0	1043.9	6	
13	91	7499	-4	-0	0	0	0	1096.3	1.3	1.6	0.0	1097.7	6	
14	91	14410	-4	-0	0	0	0	2106.7	3.4	1.7	0.0	2110.1	6	
15	91	8344	-2	-0	0	0	0	1219.9	1.6	1.0	0.0	1221.5	6	
16	91	8272	-2	-0	0	-0	0	1209.4	1.6	1.0	0.0	1210.9	6	
17	91	8696	-2	-0	0	0	0	1271.3	2.0	1.0	0.0	1273.3	6	

ASTA NUM. 100 NI 209 NF 146 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-8.2190	-2.0547	--	--	6.8299	-3.4438 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	17300	-2	1	0	0	0	1116.1	2.5	0.3	0.0	1118.6	6	
1E	0	17380	-2	1	0	0	0	1121.3	2.5	0.3	0.0	1123.8	6	
1I	0	17242	-2	1	0	0	1	1112.4	3.5	0.4	0.0	1115.9	6	
1M	0	17438	-2	1	0	0	1	1125.0	3.5	0.4	0.0	1128.5	6	
2	0	24480	-1	1	0	0	-2	1579.4	10.7	0.2	0.0	1590.0	6	
3	0	14450	-0	1	0	0	-1	932.3	6.5	0.1	0.0	938.7	6	
4	0	13630	-0	0	0	0	-1	879.4	6.2	0.1	0.0	885.6	6	
5	0	14230	-0	1	0	0	-1	918.1	6.5	0.1	0.0	924.5	6	
6	0	29000	-2	2	0	1	-0	1871.0	3.5	0.4	0.0	1874.4	1	
7	0	16900	-1	1	0	0	-0	1090.3	2.0	0.2	0.0	1092.3	1	
8	0	16440	-1	1	0	0	-0	1060.6	1.8	0.2	0.0	1062.5	1	
9	0	17160	-1	1	0	0	-0	1107.1	2.1	0.2	0.0	1109.2	1	
10	0	27560	-1	1	0	0	-2	1778.1	10.9	0.2	0.0	1788.9	6	
11	0	16240	-0	1	0	0	-1	1047.7	6.5	0.1	0.0	1054.3	6	
12	0	15480	-0	0	0	0	-1	998.7	6.4	0.1	0.0	1005.1	6	
13	0	15990	-0	1	0	0	-1	1031.6	6.5	0.1	0.0	1038.1	6	
14	0	31860	-2	2	0	1	-0	2055.5	3.1	0.4	0.0	2058.6	1	
15	0	18580	-1	1	0	0	-0	1198.7	1.9	0.2	0.0	1200.6	1	
16	0	18110	-1	1	0	0	-0	1168.4	1.8	0.2	0.0	1170.2	1	
17	0	18670	-1	1	0	0	-0	1204.5	2.0	0.2	0.0	1206.5	1	
1A	35	17305	-4	1	0	-0	-1	1116.4	3.1	0.7	0.0	1119.5	6	
1E	35	17385	-4	1	0	-0	-1	1121.6	3.1	0.7	0.0	1124.7	6	
1I	35	17247	-4	1	0	-0	-1	1112.7	2.8	0.8	0.0	1115.6	6	
1M	35	17443	-4	1	0	-0	-1	1125.3	2.8	0.8	0.0	1128.2	6	
2	35	24490	0	1	0	0	-2	1580.0	10.4	0.2	0.0	1590.4	6	
3	35	14455	0	1	0	0	-1	932.6	6.2	0.1	0.0	938.8	6	
4	35	13635	0	0	0	0	-1	879.7	6.0	0.1	0.0	885.7	6	
5	35	14235	0	1	0	0	-1	918.4	6.2	0.1	0.0	924.6	6	
6	35	29010	-4	2	0	-0	-1	1871.6	7.5	0.8	0.0	1879.1	6	
7	35	16905	-3	1	0	-0	-1	1090.6	4.3	0.5	0.0	1095.0	6	
8	35	16440	-2	1	0	0	-1	1060.6	4.0	0.5	0.0	1064.7	6	
9	35	17165	-3	1	0	-0	-1	1107.4	4.4	0.5	0.0	1111.9	6	
10	35	27570	0	1	0	0	-2	1778.7	10.6	0.2	0.0	1789.4	6	
11	35	16245	0	1	0	-0	-1	1048.1	6.3	0.1	0.0	1054.4	6	
12	35	15485	0	0	0	0	-1	999.0	6.2	0.1	0.0	1005.2	6	
13	35	15995	0	1	0	0	-1	1031.9	6.3	0.1	0.0	1038.2	6	
14	35	31865	-4	2	0	-0	-1	2055.8	6.9	0.8	0.0	2062.7	6	
15	35	18585	-3	1	0	-0	-1	1199.0	4.1	0.5	0.0	1203.1	6	
16	35	18110	-2	1	0	0	-1	1168.4	4.0	0.4	0.0	1172.4	6	
17	35	18675	-3	1	0	-0	-1	1204.8	4.1	0.5	0.0	1209.0	6	
1A	69	17310	-6	1	0	-0	-2	1116.8	12.7	1.2	0.0	1129.5	6	
1E	69	17390	-6	1	0	-0	-2	1122.0	12.7	1.2	0.0	1134.7	6	
1I	69	17252	-7	1	0	-0	-3	1113.0	13.3	1.2	0.0	1126.3	6	
1M	69	17448	-7	1	0	-0	-3	1125.7	13.3	1.2	0.0	1138.9	6	
2	69	24500	1	1	0	-0	-2	1580.6	9.9	0.2	0.0	1590.5	6	
3	69	14460	1	1	0	-0	-1	932.9	5.9	0.1	0.0	938.8	6	
4	69	13640	1	0	0	-0	-1	880.0	5.1	0.2	0.0	885.1	6	

5	69	14240	1	1	0	-0	-1	918.7	5.8	0.1	0.0	924.5	6
6	69	29020	-6	2	0	-1	-3	1872.3	17.8	1.2	0.0	1890.0	6
7	69	16910	-4	1	0	-0	-2	1091.0	10.7	0.7	0.0	1101.6	6
8	69	16440	-4	1	0	-0	-2	1060.6	9.9	0.7	0.0	1070.5	6
9	69	17170	-4	1	0	-0	-2	1107.7	10.8	0.7	0.0	1118.6	6
10	69	27580	1	1	0	-0	-2	1779.4	10.2	0.2	0.0	1789.6	6
11	69	16250	1	1	0	-0	-1	1048.4	6.0	0.1	0.0	1054.4	6
12	69	15490	1	0	0	-0	-1	999.4	5.3	0.1	0.0	1004.7	6
13	69	16000	1	1	0	-0	-1	1032.3	5.9	0.1	0.0	1038.2	6
14	69	31870	-7	2	0	-1	-3	2056.1	17.8	1.3	0.0	2073.9	6
15	69	18590	-4	1	0	-0	-2	1199.4	10.4	0.7	0.0	1209.7	6
16	69	18110	-4	1	0	-0	-2	1168.4	9.7	0.7	0.0	1178.1	6
17	69	18680	-4	1	0	-0	-2	1205.2	10.4	0.7	0.0	1215.6	6

ASTA NUM. 101 NI 210 NF 147 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-8.2190	-2.0547	--	--	6.8299	-3.4438 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	17810	-2	-1	0	-0	0	1149.0	2.6	0.3	0.0	1151.7	6	
1E	0	17890	-2	-1	0	-0	0	1154.2	2.6	0.3	0.0	1156.9	6	
1I	0	17752	-2	-1	0	-0	1	1145.3	3.6	0.4	0.0	1148.9	6	
1M	0	17948	-2	-1	0	-0	1	1157.9	3.6	0.4	0.0	1161.5	6	
2	0	24400	-1	-1	0	-0	-2	1574.2	9.9	0.2	0.0	1584.1	6	
3	0	14300	-1	-1	0	-0	-1	922.6	5.8	0.1	0.0	928.4	6	
4	0	13940	-1	-1	0	-0	-1	899.4	5.8	0.2	0.0	905.2	6	
5	0	13760	-1	-1	0	-0	-1	887.7	5.8	0.1	0.0	893.5	6	
6	0	29760	-2	-2	0	-1	-0	1920.0	3.5	0.4	0.0	1923.5	1	
7	0	17230	-1	-1	0	-0	-0	1111.6	1.9	0.2	0.0	1113.5	1	
8	0	17340	-1	-1	0	-0	-0	1118.7	2.1	0.2	0.0	1120.8	1	
9	0	17070	-1	-1	0	-0	-0	1101.3	1.9	0.2	0.0	1103.2	1	
10	0	28240	-1	-1	0	-0	-2	1821.9	10.2	0.2	0.0	1832.1	6	
11	0	16570	-0	-1	0	-0	-1	1069.0	6.0	0.1	0.0	1075.0	6	
12	0	16130	-0	-1	0	-0	-1	1040.6	6.0	0.2	0.0	1046.6	6	
13	0	16040	-0	-1	0	-0	-1	1034.8	5.9	0.1	0.0	1040.8	6	
14	0	32610	-2	-2	0	-1	-0	2103.9	3.2	0.4	0.0	2107.0	1	
15	0	18910	-1	-1	0	-0	-0	1220.0	1.8	0.2	0.0	1221.8	1	
16	0	18790	-1	-1	0	-0	-0	1212.3	1.9	0.2	0.0	1214.2	1	
17	0	18660	-1	-1	0	-0	-0	1203.9	1.8	0.2	0.0	1205.7	1	
1A	35	17810	-4	-1	0	0	-1	1149.0	3.1	0.7	0.0	1152.1	6	
1E	35	17890	-4	-1	0	0	-1	1154.2	3.1	0.7	0.0	1157.3	6	
1I	35	17752	-5	-1	0	0	-1	1145.3	2.9	0.8	0.0	1148.2	6	
1M	35	17948	-5	-1	0	0	-1	1157.9	2.9	0.8	0.0	1160.8	6	
2	35	24405	-0	-1	0	0	-2	1574.5	10.0	0.2	0.0	1584.5	6	
3	35	14305	0	-1	0	-0	-1	922.9	5.8	0.1	0.0	928.7	6	
4	35	13945	-0	-1	0	0	-1	899.7	6.0	0.2	0.0	905.6	6	
5	35	13765	0	-1	0	0	-1	888.1	5.8	0.1	0.0	893.8	6	
6	35	29765	-4	-2	0	0	-1	1920.3	7.4	0.8	0.0	1927.7	6	
7	35	17235	-3	-1	0	0	-1	1111.9	4.0	0.5	0.0	1115.9	6	
8	35	17345	-3	-1	0	0	-1	1119.0	4.4	0.5	0.0	1123.4	6	
9	35	17075	-3	-1	0	0	-1	1101.6	4.1	0.5	0.0	1105.8	6	
10	35	28245	0	-1	0	-0	-2	1822.3	10.0	0.2	0.0	1832.3	6	
11	35	16575	0	-1	0	-0	-1	1069.4	5.8	0.1	0.0	1075.2	6	
12	35	16135	0	-1	0	0	-1	1041.0	5.9	0.2	0.0	1046.8	6	
13	35	16045	0	-1	0	-0	-1	1035.2	5.7	0.1	0.0	1040.9	6	
14	35	32615	-5	-2	0	0	-1	2104.2	6.8	0.8	0.0	2110.9	6	
15	35	18915	-3	-1	0	-0	-1	1220.3	3.7	0.5	0.0	1224.0	6	
16	35	18795	-3	-1	0	0	-1	1212.6	4.1	0.5	0.0	1216.7	6	
17	35	18660	-3	-1	0	0	-1	1203.9	3.8	0.5	0.0	1207.7	6	
1A	69	17810	-6	-1	0	0	-2	1149.0	13.0	1.2	0.0	1162.0	6	
1E	69	17890	-6	-1	0	0	-2	1154.2	13.0	1.2	0.0	1167.2	6	
1I	69	17752	-7	-1	0	0	-3	1145.3	13.5	1.3	0.0	1158.8	6	
1M	69	17948	-7	-1	0	0	-3	1157.9	13.5	1.3	0.0	1171.4	6	
2	69	24410	1	-1	0	0	-2	1574.8	10.1	0.2	0.0	1584.9	6	
3	69	14310	1	-1	0	0	-1	923.2	5.7	0.1	0.0	929.0	6	
4	69	13950	1	-1	0	0	-1	900.0	6.1	0.2	0.0	906.1	6	
5	69	13770	1	-1	0	0	-1	888.4	5.7	0.1	0.0	894.1	6	
6	69	29770	-7	-2	0	1	-3	1920.6	18.0	1.2	0.0	1938.6	6	
7	69	17240	-4	-1	0	0	-2	1112.3	10.4	0.7	0.0	1122.7	6	
8	69	17350	-4	-1	0	1	-2	1119.4	11.1	0.7	0.0	1130.4	6	
9	69	17080	-4	-1	0	0	-2	1101.9	10.6	0.7	0.0	1112.5	6	
10	69	28250	1	-1	0	0	-2	1822.6	9.7	0.2	0.0	1832.3	6	
11	69	16580	1	-1	0	0	-1	1069.7	5.4	0.1	0.0	1075.1	6	
12	69	16140	1	-1	0	0	-1	1041.3	5.8	0.2	0.0	1047.1	6	
13	69	16050	1	-1	0	0	-1	1035.5	5.3	0.1	0.0	1040.8	6	
14	69	32620	-7	-2	0	1	-3	2104.5	18.0	1.3	0.0	2122.5	6	
15	69	18920	-4	-1	0	0	-2	1220.6	10.1	0.7	0.0	1230.7	6	
16	69	18800	-4	-1	0	1	-2	1212.9	10.7	0.7	0.0	1223.6	6	
17	69	18660	-4	-1	0	0	-2	1203.9	10.2	0.7	0.0	1214.0	6	

ASTA NUM. 102 NI 211 NF 146 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1638	-0.5410	--	--	3.9862	1.2815 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2536	1	-1	0	-0	1	400.0	12.9	0.4	0.0	412.9	6	
1E	0	2570	1	-1	0	-0	1	405.4	12.9	0.4	0.0	418.3	6	
1I	0	2533	1	-1	0	-0	1	399.6	14.0	0.3	0.0	413.6	6	
1M	0	2573	1	-1	0	-0	1	405.8	14.0	0.3	0.0	419.8	6	
2	0	3526	3	-2	0	1	-1	556.2	27.3	1.2	0.0	583.5	1	
3	0	2189	2	-2	0	1	-1	345.3	17.1	0.8	0.0	362.4	1	
4	0	2344	2	-2	0	1	-1	369.7	17.2	0.8	0.0	386.9	1	
5	0	1885	2	-2	0	1	-1	297.3	16.9	0.8	0.0	314.2	1	
6	0	4237	1	-1	0	-0	0	668.3	6.9	0.7	0.0	675.2	6	
7	0	2643	1	-1	0	-0	0	416.9	4.1	0.4	0.0	421.0	6	
8	0	2861	1	-1	0	-0	0	451.3	4.0	0.4	0.0	455.2	6	
9	0	2287	1	-1	0	-0	0	360.7	4.4	0.4	0.0	365.1	6	
10	0	4323	3	-2	0	1	-1	681.9	27.2	1.2	0.0	709.1	1	
11	0	2667	2	-1	0	1	-1	420.7	17.0	0.8	0.0	437.7	1	
12	0	2847	2	-2	0	1	-1	449.1	17.2	0.8	0.0	466.3	1	
13	0	2368	2	-2	0	1	-1	373.5	16.8	0.8	0.0	390.3	1	
14	0	4882	2	-2	0	-0	0	770.0	8.2	0.7	0.0	778.2	6	
15	0	3029	1	-1	0	-0	0	477.8	4.2	0.4	0.0	481.9	6	
16	0	3270	1	-1	0	-0	0	515.8	3.9	0.4	0.0	519.7	6	
17	0	2665	1	-1	0	-0	0	420.3	4.5	0.4	0.0	424.8	6	
1A	48	2537	-1	-1	0	0	0	400.2	8.5	0.6	0.0	408.7	6	
1E	48	2572	-1	-1	0	0	0	405.6	8.5	0.6	0.0	414.1	6	
1I	48	2535	-1	-1	0	0	0	399.8	8.6	0.6	0.0	408.4	6	
1M	48	2574	-1	-1	0	0	0	406.0	8.6	0.6	0.0	414.6	6	
2	48	3530	2	2	0	1	0	556.8	24.0	0.9	0.0	580.8	1	
3	48	2192	1	1	0	1	0	345.7	14.9	0.6	0.0	360.6	1	
4	48	2347	1	1	0	1	0	370.1	15.1	0.6	0.0	385.2	1	
5	48	1887	1	1	0	1	0	297.7	15.0	0.6	0.0	312.7	1	
6	48	4240	-1	-0	0	0	0	668.7	11.6	0.4	0.0	680.2	6	
7	48	2645	-1	-0	0	0	0	417.1	7.1	0.2	0.0	424.3	6	
8	48	2863	-0	-0	0	0	0	451.5	7.3	0.2	0.0	458.8	6	
9	48	2289	-1	-0	0	0	0	361.0	7.3	0.2	0.0	368.2	6	
10	48	4327	2	2	0	1	0	682.5	23.8	0.9	0.0	706.3	1	
11	48	2670	1	1	0	1	0	421.1	14.8	0.6	0.0	435.8	1	
12	48	2850	1	1	0	1	0	449.4	15.0	0.6	0.0	464.5	1	
13	48	2371	1	1	0	1	0	373.9	14.8	0.6	0.0	388.7	1	
14	48	4885	-1	-0	0	0	1	770.4	12.5	0.4	0.0	782.9	6	
15	48	3031	-1	-0	0	0	0	478.0	7.2	0.2	0.0	485.2	6	
16	48	3272	-0	-0	0	0	0	516.0	7.3	0.2	0.0	523.3	6	
17	48	2667	-1	-0	0	0	0	420.6	7.3	0.2	0.0	427.9	6	
1A	96	2539	-3	-1	0	0	-1	400.5	14.9	1.4	0.0	415.4	6	
1E	96	2573	-3	-1	0	0	-1	405.8	14.9	1.4	0.0	420.8	6	
1I	96	2536	-3	-1	0	0	-1	400.1	15.9	1.5	0.0	416.0	6	
1M	96	2576	-3	-1	0	0	-1	406.2	15.9	1.5	0.0	422.1	6	
2	96	3534	0	6	0	-1	1	557.4	20.5	2.9	0.0	577.9	1	
3	96	2194	0	4	0	-1	0	346.1	13.0	1.8	0.0	359.1	1	
4	96	2349	0	4	0	-1	0	370.5	12.9	1.8	0.0	383.4	1	
5	96	1890	0	4	0	-1	0	298.1	12.8	1.8	0.0	310.9	1	
6	96	4242	-3	1	0	0	-0	669.1	11.2	1.4	0.0	680.3	6	
7	96	2646	-2	0	0	0	-0	417.4	6.9	0.9	0.0	424.2	6	
8	96	2864	-2	0	0	0	-0	451.7	6.7	0.9	0.0	458.4	6	
9	96	2290	-2	0	0	0	-0	361.2	7.0	0.9	0.0	368.2	6	
10	96	4331	0	6	0	-1	1	683.1	20.8	2.9	0.0	704.0	1	
11	96	2672	0	4	0	-1	0	421.5	13.2	1.8	0.0	434.7	1	
12	96	2852	0	4	0	-1	0	449.8	13.0	1.8	0.0	462.8	1	
13	96	2373	0	4	0	-1	0	374.3	13.1	1.8	0.0	387.4	1	
14	96	4887	-3	1	0	0	-1	770.8	12.4	1.6	0.0	783.3	6	
15	96	3032	-2	0	0	0	-0	478.2	6.8	0.9	0.0	485.1	6	
16	96	3273	-2	0	0	0	-0	516.2	6.8	0.9	0.0	523.0	6	
17	96	2668	-2	0	0	0	-0	420.8	6.9	0.9	0.0	427.7	6	

ASTA NUM. 103 NI 211 NF 147 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1638	-0.5410	--	--	3.9862	1.2815 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2225	1	1	0	0	1	350.9	13.8	0.4	0.0	364.7	6	
1E	0	2259	1	1	0	0	1	356.3	13.8	0.4	0.0	370.1	6	
1I	0	2222	1	1	0	1	1	350.5	16.2	0.5	0.0	366.7	6	

1M	0	2262	1	1	0	1	1	356.7	16.2	0.5	0.0	372.9	6
2	0	3323	3	2	0	-1	-1	524.1	26.4	1.2	0.0	550.5	1
3	0	1794	2	2	0	-1	-1	283.0	16.2	0.8	0.0	299.2	1
4	0	1444	2	2	0	-1	-1	227.8	16.0	0.8	0.0	243.8	1
5	0	1972	2	2	0	-1	-1	311.0	16.4	0.8	0.0	327.5	1
6	0	3765	1	1	0	0	0	593.8	7.3	0.7	0.0	601.2	6
7	0	1930	1	1	0	0	0	304.4	4.9	0.4	0.0	309.3	6
8	0	1653	1	1	0	0	0	260.7	5.0	0.4	0.0	265.8	6
9	0	2302	1	1	0	0	0	363.1	4.5	0.4	0.0	367.6	6
10	0	3907	3	2	0	-1	-1	616.2	26.9	1.2	0.0	643.1	1
11	0	2138	2	2	0	-1	-1	337.2	16.5	0.8	0.0	353.7	1
12	0	1759	2	2	0	-1	-1	277.4	16.2	0.8	0.0	293.7	1
13	0	2305	2	2	0	-1	-1	363.6	16.7	0.8	0.0	380.3	1
14	0	4409	2	2	0	0	0	695.4	8.7	0.7	0.0	704.1	6
15	0	2316	1	1	0	0	0	365.3	4.9	0.4	0.0	370.2	6
16	0	1976	1	1	0	0	0	311.7	5.2	0.4	0.0	316.9	6
17	0	2653	1	1	0	0	0	418.5	4.6	0.4	0.0	423.0	6
1A	48	2226	-1	1	0	-0	0	351.2	8.5	0.6	0.0	359.7	6
1E	48	2261	-1	1	0	-0	0	356.6	8.5	0.6	0.0	365.1	6
1I	48	2224	-1	1	0	-0	0	350.8	8.6	0.6	0.0	359.4	6
1M	48	2263	-1	1	0	-0	0	356.9	8.6	0.6	0.0	365.6	6
2	48	3327	2	-2	0	-1	0	524.8	23.5	0.9	0.0	548.2	1
3	48	1796	1	-1	0	-1	0	283.4	14.6	0.6	0.0	298.0	1
4	48	1446	1	-1	0	-1	0	228.2	14.4	0.6	0.0	242.6	1
5	48	1974	1	-1	0	-1	0	311.4	14.6	0.6	0.0	326.0	1
6	48	3768	-1	0	0	-0	0	594.2	11.8	0.4	0.0	606.0	6
7	48	1931	-1	0	0	-0	0	304.7	7.5	0.2	0.0	312.2	6
8	48	1654	-1	0	0	-0	0	261.0	7.4	0.2	0.0	268.4	6
9	48	2304	-1	0	0	-0	0	363.3	7.4	0.2	0.0	370.7	6
10	48	3911	2	-2	0	-1	0	616.9	23.7	0.9	0.0	640.6	1
11	48	2141	1	-1	0	-1	0	337.6	14.8	0.6	0.0	352.4	1
12	48	1761	1	-1	0	-1	0	277.8	14.5	0.6	0.0	292.3	1
13	48	2308	1	-1	0	-1	0	364.0	14.7	0.6	0.0	378.7	1
14	48	4412	-1	0	0	-0	1	695.9	12.7	0.4	0.0	708.6	6
15	48	2318	-1	0	0	-0	0	365.5	7.6	0.2	0.0	373.1	6
16	48	1977	-1	0	0	-0	0	311.9	7.4	0.2	0.0	319.3	6
17	48	2655	-1	0	0	-0	0	418.7	7.4	0.2	0.0	426.1	6
1A	96	2228	-3	1	0	-0	-1	351.4	15.3	1.4	0.0	366.7	6
1E	96	2262	-3	1	0	-0	-1	356.8	15.3	1.4	0.0	372.1	6
1I	96	2225	-3	1	0	-1	-1	351.0	17.5	1.5	0.0	368.5	6
1M	96	2265	-3	1	0	-1	-1	357.2	17.5	1.5	0.0	374.7	6
2	96	3331	0	-6	0	1	1	525.4	21.6	2.9	0.0	547.0	1
3	96	1799	0	-4	0	1	0	283.8	13.5	1.8	0.0	297.3	1
4	96	1449	0	-4	0	1	0	228.5	13.7	1.8	0.0	242.3	1
5	96	1977	0	-4	0	1	0	311.8	13.7	1.8	0.0	325.5	1
6	96	3770	-3	-1	0	-0	-0	594.6	10.9	1.4	0.0	605.6	6
7	96	1933	-2	-0	0	-0	-0	304.9	6.5	0.9	0.0	311.4	6
8	96	1656	-2	-0	0	-0	-0	261.2	6.7	0.9	0.0	267.9	6
9	96	2305	-2	-0	0	-0	-0	363.6	6.6	0.9	0.0	370.1	6
10	96	3915	0	-6	0	1	1	617.5	21.4	2.9	0.0	638.9	1
11	96	2143	0	-4	0	1	0	338.0	13.4	1.8	0.0	351.4	1
12	96	1764	0	-4	0	1	0	278.2	13.7	1.8	0.0	291.9	1
13	96	2310	0	-4	0	1	0	364.4	13.5	1.8	0.0	377.9	1
14	96	4415	-3	-1	0	-0	-1	696.4	12.1	1.6	0.0	708.5	6
15	96	2319	-2	-0	0	-0	-0	365.8	6.5	0.9	0.0	372.3	6
16	96	1979	-2	-0	0	-0	-0	312.1	6.6	0.9	0.0	318.7	6
17	96	2656	-2	-0	0	-0	-0	418.9	6.5	0.9	0.0	425.5	6

ASTA NUM. 104 NI 166 NF 145 Lungh. 95.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1273	-0.2818	--	--	2.0057	0.5965 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	406	1	-0	0	-0	-0	116.3	1.2	0.8	0.0	117.5	6	
1E	0	420	1	-0	0	-0	-0	120.3	1.2	0.8	0.0	121.6	6	
1I	0	409	1	-0	0	-0	-0	117.3	1.2	0.8	0.0	118.5	6	
1M	0	416	1	-0	0	-0	-0	119.3	1.2	0.8	0.0	120.5	6	
2	0	701	1	4	0	0	-0	200.8	1.9	3.0	0.0	202.7	1	
3	0	836	0	2	0	0	0	239.4	0.9	1.9	0.0	240.3	1	
4	0	990	0	2	0	0	-0	283.7	1.2	1.9	0.0	284.9	1	
5	0	549	0	2	0	0	-0	157.4	1.2	1.9	0.0	158.6	1	
6	0	655	1	1	0	-0	-0	187.6	1.7	1.0	0.0	189.4	6	
7	0	1035	1	1	0	-0	-0	296.6	0.9	0.6	0.0	297.5	6	
8	0	1090	1	1	0	-0	-0	312.3	1.3	0.6	0.0	313.6	6	
9	0	556	1	1	0	-0	-0	159.3	1.3	0.6	0.0	160.7	6	
10	0	578	1	4	0	0	-0	165.6	2.0	3.0	0.0	167.6	1	
11	0	757	0	2	0	0	0	217.0	1.0	1.9	0.0	218.0	1	
12	0	1011	0	2	0	0	-0	289.7	1.3	1.9	0.0	290.9	1	
13	0	383	0	2	0	0	-0	109.7	1.3	1.9	0.0	111.0	1	
14	0	659	1	1	0	0	-0	188.8	1.8	1.1	0.0	190.5	6	
15	0	1035	1	1	0	-0	-0	296.6	0.8	0.6	0.0	297.4	6	
16	0	1250	1	1	0	0	-0	358.2	1.4	0.6	0.0	359.5	6	
17	0	413	1	1	0	0	-0	118.3	1.2	0.6	0.0	119.5	6	
1A	48	407	0	-0	0	0	0	116.6	11.1	0.0	0.0	127.7	6	
1E	48	421	0	-0	0	0	0	120.6	11.1	0.0	0.0	131.7	6	
1I	48	410	0	-0	0	-0	0	117.6	11.1	0.0	0.0	128.7	6	
1M	48	417	0	-0	0	-0	0	119.5	11.1	0.0	0.0	130.7	6	
2	48	703	0	0	0	-1	0	201.4	45.7	0.1	0.0	247.2	1	
3	48	837	0	0	0	-1	0	239.8	28.9	0.0	0.0	268.7	1	
4	48	991	0	0	0	-1	0	284.1	28.7	0.0	0.0	312.8	1	
5	48	551	0	0	0	-1	0	157.7	28.5	0.0	0.0	186.3	1	
6	48	656	0	-0	0	-0	0	188.0	17.2	0.0	0.0	205.2	6	
7	48	1036	0	0	0	-0	0	296.8	11.0	0.0	0.0	307.9	6	
8	48	1090	0	0	0	-0	0	312.5	10.7	0.0	0.0	323.2	6	
9	48	557	0	-0	0	-0	0	159.6	10.6	0.0	0.0	170.2	6	
10	48	580	0	0	0	-1	0	166.3	45.7	0.1	0.0	212.0	1	
11	48	759	0	0	0	-1	0	217.3	28.9	0.0	0.0	246.2	1	
12	48	1013	0	0	0	-1	0	290.1	28.7	0.0	0.0	318.8	1	
13	48	384	0	0	0	-1	0	110.1	28.5	0.0	0.0	138.6	1	
14	48	660	0	0	0	-0	0	189.2	18.3	0.0	0.0	207.5	6	
15	48	1036	0	0	0	-0	0	296.8	11.0	0.0	0.0	307.9	6	
16	48	1251	0	0	0	-0	0	358.5	10.6	0.0	0.0	369.1	6	
17	48	414	0	-0	0	-0	0	118.5	10.6	0.0	0.0	129.1	6	
1A	95	408	-1	-0	0	0	0	116.8	0.3	0.8	0.0	117.1	1	
1E	95	422	-1	-0	0	0	0	120.8	0.3	0.8	0.0	121.1	1	
1I	95	411	-1	-0	0	0	0	117.8	0.1	0.8	0.0	118.0	1	
1M	95	418	-1	-0	0	0	0	119.8	0.1	0.8	0.0	119.9	1	
2	95	705	-1	-4	0	-0	0	202.1	1.9	2.9	0.0	204.0	1	
3	95	838	-0	-2	0	-0	0	240.2	1.8	1.8	0.0	241.9	1	
4	95	993	-0	-2	0	-0	0	284.5	1.4	1.8	0.0	285.9	1	
5	95	552	-0	-2	0	-0	0	158.1	1.1	1.8	0.0	159.3	1	
6	95	658	-1	-1	0	0	0	188.5	0.4	0.9	0.0	188.9	6	
7	95	1037	-1	-1	0	-0	0	297.1	0.8	0.6	0.0	297.9	1	
8	95	1091	-1	-1	0	-0	0	312.6	0.3	0.6	0.0	312.9	6	
9	95	558	-1	-1	0	0	0	159.9	0.3	0.6	0.0	160.2	1	
10	95	582	-1	-3	0	-0	0	166.9	1.9	2.9	0.0	168.8	1	
11	95	760	-0	-2	0	-0	0	217.7	1.8	1.8	0.0	219.5	1	
12	95	1014	-0	-2	0	-0	0	290.5	1.5	1.8	0.0	292.0	1	
13	95	386	-0	-2	0	-0	0	110.5	1.1	1.8	0.0	111.6	1	
14	95	662	-1	-1	0	0	0	189.7	0.2	1.0	0.0	189.9	6	
15	95	1037	-1	-1	0	-0	0	297.1	0.8	0.6	0.0	298.0	1	
16	95	1252	-1	-1	0	-0	0	358.7	0.3	0.6	0.0	359.1	1	
17	95	415	-1	-1	0	0	0	118.8	0.2	0.6	0.0	119.0	6	

ASTA NUM. 105 NI 166 NF 144 Lungh. 95.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1273	-0.2818	--	--	2.0057	0.5965 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	108	1	0	0	0	-0	31.0	1.1	0.8	0.0	32.1	6	
1E	0	122	1	0	0	0	-0	35.0	1.1	0.8	0.0	36.1	6	
1I	0	112	1	0	0	0	-0	32.0	1.1	0.8	0.0	33.1	6	
1M	0	119	1	0	0	0	-0	34.0	1.1	0.8	0.0	35.1	6	
2	0	-2	1	-4	0	-0	0	0.4	1.8	3.0	0.0	5.3	3	
3	0	-487	0	-2	0	-0	0	139.6	1.3	1.9	0.0	140.9	1	
4	0	-594	0	-2	0	-0	0	170.2	1.3	1.9	0.0	171.4	1	
5	0	-133	0	-2	0	-0	0	38.0	1.2	1.9	0.0	39.1	1	
6	0	216	1	-1	0	-0	-0	61.7	1.5	1.0	0.0	63.3	6	
7	0	-615	1	-1	0	-0	0	176.1	0.3	0.6	0.0	176.4	1	
8	0	-592	1	-1	0	-0	-0	169.6	0.7	0.6	0.0	170.3	6	
9	0	-28	1	-1	0	-0	-0	8.0	0.8	0.6	0.0	8.8	6	
10	0	180	1	-4	0	-0	-0	51.6	2.0	3.0	0.0	53.6	1	
11	0	-375	0	-2	0	-0	0	107.5	1.3	1.9	0.0	108.8	1	
12	0	-574	0	-2	0	-0	0	164.4	1.3	1.9	0.0	165.7	1	
13	0	62	0	-2	0	-0	0	17.9	1.1	1.9	0.0	19.0	1	
14	0	220	1	-1	0	-0	-0	62.9	1.6	1.1	0.0	64.5	6	
15	0	-614	1	-1	0	-0	0	176.0	0.4	0.6	0.0	176.4	1	
16	0	-741	1	-1	0	-0	0	212.2	0.4	0.6	0.0	212.6	1	
17	0	105	1	-1	0	-0	-0	30.1	0.8	0.6	0.0	30.9	6	
1A	48	109	0	0	0	-0	0	31.3	11.2	0.0	0.0	42.5	6	
1E	48	123	0	0	0	-0	0	35.3	11.2	0.0	0.0	46.5	6	
1I	48	113	0	0	0	-0	0	32.3	11.3	0.0	0.0	43.6	6	
1M	48	119	0	0	0	-0	0	34.2	11.3	0.0	0.0	45.5	6	
2	48	1	0	-0	0	1	0	0.2	45.6	0.1	0.0	45.8	1	
3	48	-486	0	-0	0	1	0	139.2	28.4	0.0	0.0	167.7	1	
4	48	-593	0	-0	0	1	0	169.8	28.4	0.0	0.0	198.2	1	
5	48	-131	0	-0	0	1	0	37.6	28.5	0.0	0.0	66.2	1	
6	48	217	0	0	0	0	0	62.2	17.2	0.0	0.0	79.3	6	
7	48	-614	0	0	0	0	0	175.8	10.8	0.0	0.0	186.7	6	

8	48	-591	0	0	0	0	0	169.4	10.9	0.0	0.0	180.2	6
9	48	-27	0	0	0	0	0	7.8	10.9	0.0	0.0	18.6	6
10	48	182	0	-0	0	1	0	52.2	45.6	0.1	0.0	97.8	1
11	48	-374	0	-0	0	1	0	107.2	28.4	0.0	0.0	135.6	1
12	48	-572	0	-0	0	1	0	164.0	28.4	0.0	0.0	192.4	1
13	48	64	0	-0	0	1	0	18.2	28.5	0.0	0.0	46.8	1
14	48	221	0	-0	0	0	0	63.4	18.3	0.0	0.0	81.7	6
15	48	-613	0	-0	0	0	0	175.7	10.8	0.0	0.0	186.5	6
16	48	-740	0	-0	0	0	0	211.9	10.8	0.0	0.0	222.8	6
17	48	106	0	-0	0	0	0	30.4	10.8	0.0	0.0	41.2	6
1A	95	110	-1	0	0	-0	0	31.5	0.5	0.8	0.0	32.0	1
1E	95	124	-1	0	0	-0	0	35.5	0.5	0.8	0.0	36.1	1
1I	95	114	-1	0	0	-0	0	32.6	0.7	0.8	0.0	33.2	1
1M	95	120	-1	0	0	-0	0	34.5	0.7	0.8	0.0	35.2	1
2	95	3	-1	4	0	0	0	0.8	1.7	2.9	0.0	5.2	3
3	95	-485	-0	2	0	0	0	138.9	1.0	1.8	0.0	139.8	1
4	95	-591	-0	2	0	0	0	169.4	1.0	1.8	0.0	170.4	1
5	95	-130	-0	2	0	0	0	37.2	1.1	1.8	0.0	38.4	1
6	95	218	-1	1	0	-0	0	62.6	0.5	0.9	0.0	63.1	1
7	95	-613	-1	1	0	-0	0	175.6	0.4	0.6	0.0	176.0	1
8	95	-590	-1	1	0	-0	0	169.1	0.4	0.6	0.0	169.5	1
9	95	-26	-1	1	0	-0	0	7.5	0.3	0.6	0.0	7.8	6
10	95	184	-1	4	0	0	0	52.8	1.7	2.9	0.0	54.5	1
11	95	-373	-0	2	0	0	0	106.8	0.9	1.8	0.0	107.7	1
12	95	-571	-0	2	0	0	0	163.6	0.9	1.8	0.0	164.5	1
13	95	65	-0	2	0	0	0	18.6	1.1	1.8	0.0	19.7	1
14	95	223	-1	1	0	-0	0	63.8	0.3	1.0	0.0	64.1	6
15	95	-612	-1	1	0	-0	-0	175.4	0.3	0.6	0.0	175.8	1
16	95	-739	-1	1	0	-0	0	211.7	0.4	0.6	0.0	212.1	1
17	95	107	-1	1	0	-0	0	30.6	0.1	0.6	0.0	30.7	6

ASTA NUM. 106 NI 161 NF 146 Lungh. 95.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1273	0.2818	--	--	2.0057	3.4148 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-406	1	0	0	0	0	116.3	1.5	0.8	0.0	117.8	6	
1E	0	-392	1	0	0	0	0	112.3	1.5	0.8	0.0	113.8	6	
1I	0	-402	1	0	0	0	0	115.3	1.5	0.8	0.0	116.8	6	
1M	0	-396	1	0	0	0	0	113.4	1.5	0.8	0.0	114.9	6	
2	0	-712	2	-4	0	-0	0	204.1	1.1	3.0	0.0	205.2	6	
3	0	-499	1	-2	0	-0	0	143.0	0.7	1.9	0.0	143.7	6	
4	0	-1231	1	-2	0	-0	0	352.7	0.9	1.9	0.0	353.7	6	
5	0	-291	1	-2	0	-0	0	83.5	0.5	1.9	0.0	84.0	1	
6	0	-636	2	-1	0	0	0	182.1	2.0	1.3	0.0	184.1	6	
7	0	-482	1	-1	0	0	0	138.2	1.3	0.8	0.0	139.5	6	
8	0	-1318	1	-1	0	0	0	377.7	1.5	0.8	0.0	379.2	6	
9	0	-193	1	-1	0	0	0	55.4	1.1	0.8	0.0	56.4	6	
10	0	-553	2	-4	0	-0	0	158.4	1.1	3.0	0.0	159.5	6	
11	0	-398	1	-2	0	-0	0	114.0	0.7	1.9	0.0	114.7	6	
12	0	-1224	1	-2	0	-0	0	350.7	1.0	1.9	0.0	351.7	6	
13	0	-171	1	-2	0	-0	0	48.9	0.5	1.9	0.0	49.4	1	
14	0	-632	2	-1	0	0	0	181.0	2.1	1.3	0.0	183.1	6	
15	0	-479	1	-1	0	0	0	137.2	1.4	0.8	0.0	138.6	6	
16	0	-1467	1	-1	0	0	0	420.3	1.7	0.8	0.0	422.0	6	
17	0	-157	1	-1	0	0	0	45.1	1.1	0.8	0.0	46.2	6	
1A	48	-405	-0	0	0	-0	0	116.1	12.4	0.0	0.0	128.5	6	
1E	48	-391	-0	0	0	-0	0	112.1	12.4	0.0	0.0	124.5	6	
1I	48	-401	-0	0	0	-0	0	115.0	12.4	0.0	0.0	127.5	6	
1M	48	-395	-0	0	0	-0	0	113.1	12.4	0.0	0.0	125.5	6	
2	48	-712	-0	-0	0	1	1	204.0	53.0	0.0	0.0	257.0	1	
3	48	-499	-0	-0	0	1	0	143.0	33.1	0.0	0.0	176.1	1	
4	48	-1231	-0	-0	0	1	0	352.6	33.2	0.0	0.0	385.8	1	
5	48	-291	-0	-0	0	1	0	83.4	33.1	0.0	0.0	116.5	1	
6	48	-635	-0	0	0	0	0	181.8	23.5	0.0	0.0	205.4	6	
7	48	-482	-0	0	0	0	0	138.0	14.8	0.0	0.0	152.8	6	
8	48	-1318	-0	0	0	0	0	377.5	14.9	0.0	0.0	392.4	6	
9	48	-193	-0	0	0	0	0	55.2	14.7	0.0	0.0	69.8	6	
10	48	-552	-0	-0	0	1	1	158.3	52.9	0.0	0.0	211.1	1	
11	48	-398	-0	-0	0	1	0	113.9	33.1	0.0	0.0	147.0	1	
12	48	-1224	-0	-0	0	1	0	350.7	33.2	0.0	0.0	384.0	1	
13	48	-170	-0	-0	0	1	0	48.8	33.0	0.0	0.0	81.9	1	
14	48	-630	-0	0	0	0	0	180.6	24.6	0.0	0.0	205.3	6	
15	48	-478	-0	0	0	0	0	137.0	14.7	0.0	0.0	151.7	6	
16	48	-1466	-0	0	0	0	0	420.1	14.9	0.0	0.0	435.0	6	
17	48	-157	-0	0	0	0	0	44.9	14.6	0.0	0.0	59.5	6	
1A	95	-404	-1	0	0	-0	0	115.8	1.4	0.8	0.0	117.2	1	
1E	95	-390	-1	0	0	-0	0	111.8	1.4	0.8	0.0	113.2	1	
1I	95	-401	-1	0	0	-0	0	114.8	1.6	0.8	0.0	116.3	1	
1M	95	-394	-1	0	0	-0	0	112.8	1.6	0.8	0.0	114.4	1	
2	95	-712	-2	4	0	0	-0	203.9	0.5	2.9	0.0	204.4	1	
3	95	-499	-1	2	0	0	-0	142.9	0.2	1.8	0.0	143.1	1	
4	95	-1230	-1	2	0	0	-0	352.4	0.5	1.8	0.0	352.9	1	
5	95	-291	-1	2	0	0	-0	83.4	0.4	1.8	0.0	83.8	1	
6	95	-634	-2	1	0	-0	0	181.5	1.6	1.3	0.0	183.1	1	
7	95	-481	-1	1	0	-0	0	137.8	1.1	0.8	0.0	138.9	1	
8	95	-1317	-1	1	0	-0	0	377.4	0.8	0.8	0.0	378.2	1	
9	95	-192	-1	1	0	-0	0	55.0	0.9	0.8	0.0	55.8	1	
10	95	-552	-2	4	0	0	-0	158.2	0.4	3.0	0.0	158.6	6	
11	95	-397	-1	2	0	-0	-0	113.9	0.2	1.8	0.0	114.1	6	
12	95	-1224	-1	2	0	0	-0	350.7	0.4	1.8	0.0	351.1	1	
13	95	-170	-1	2	0	0	-0	48.8	0.3	1.8	0.0	49.0	6	
14	95	-629	-2	1	0	-0	0	180.3	1.8	1.4	0.0	182.1	1	
15	95	-478	-1	1	0	-0	0	136.8	1.2	0.8	0.0	138.0	1	
16	95	-1465	-1	1	0	-0	-0	419.8	0.8	0.8	0.0	420.5	1	
17	95	-156	-1	1	0	-0	0	44.7	1.0	0.8	0.0	45.7	1	

ASTA NUM. 107 NI 161 NF 147 Lungh. 95.4 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1273	0.2818	--	--	2.0057	3.4148 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-109	1	-0	0	-0	0	31.2	1.3	0.8	0.0	32.4	6	
1E	0	-95	1	-0	0	-0	0	27.1	1.3	0.8	0.0	28.4	6	
1I	0	-105	1	-0	0	-0	0	30.1	1.3	0.8	0.0	31.4	6	
1M	0	-98	1	-0	0	-0	0	28.2	1.3	0.8	0.0	29.4	6	
2	0	44	2	4	0	0	0	12.7	1.2	3.0	0.0	14.4	4	
3	0	100	1	2	0	0	0	28.7	0.7	1.9	0.0	29.5	1	
4	0	845	1	2	0	0	0	242.1	0.7	1.9	0.0	242.8	1	
5	0	-93	1	2	0	0	0	26.7	0.7	1.9	0.0	27.4	1	
6	0	-197	2	1	0	-0	0	56.5	1.7	1.3	0.0	58.2	6	
7	0	-11	1	1	0	-0	0	3.3	0.9	0.8	0.0	4.2	6	
8	0	828	1	1	0	-0	0	237.1	0.6	0.8	0.0	237.7	6	
9	0	-294	1	1	0	-0	0	84.3	1.1	0.8	0.0	85.4	6	
10	0	-155	2	4	0	0	0	44.5	1.0	3.0	0.0	45.6	1	
11	0	-23	1	2	0	0	0	6.6	0.6	1.9	0.0	7.7	4	
12	0	818	1	2	0	0	0	234.4	0.7	1.9	0.0	235.0	1	
13	0	-236	1	2	0	0	0	67.7	0.6	1.9	0.0	68.3	1	
14	0	-193	2	1	0	-0	0	55.3	1.9	1.3	0.0	57.2	6	
15	0	-8	1	1	0	-0	0	2.3	1.0	0.8	0.0	3.2	6	
16	0	988	1	1	0	-0	0	283.2	0.3	0.8	0.0	283.4	1	
17	0	-322	1	1	0	-0	0	92.2	1.1	0.8	0.0	93.4	6	
1A	48	-108	-0	-0	0	0	0	30.9	12.4	0.0	0.0	43.3	6	
1E	48	-94	-0	-0	0	0	0	26.9	12.4	0.0	0.0	39.2	6	
1I	48	-104	-0	-0	0	0	0	29.9	12.4	0.0	0.0	42.2	6	
1M	48	-97	-0	-0	0	0	0	27.9	12.4	0.0	0.0	40.3	6	
2	48	45	-0	0	0	-1	1	12.9	52.4	0.0	0.0	65.3	1	
3	48	101	-0	0	0	-1	0	28.8	32.7	0.0	0.0	61.5	1	
4	48	845	-0	0	0	-1	0	242.2	32.6	0.0	0.0	274.8	1	
5	48	-93	-0	0	0	-1	0	26.6	32.7	0.0	0.0	59.3	1	
6	48	-196	-0	-0	0	-0	0	56.2	23.3	0.0	0.0	79.5	6	
7	48	-11	-0	-0	0	-0	0	3.1	14.4	0.0	0.0	17.5	6	
8	48	828	-0	-0	0	-0	0	237.3	14.3	0.0	0.0	251.6	6	
9	48	-294	-0	-0	0	-0	0	84.1	14.6	0.0	0.0	98.7	6	
10	48	-155	-0	0	0	-1	1	44.4	52.6	0.0	0.0	97.0	1	
11	48	-23	-0	0	0	-1	0	6.5	32.8	0.0	0.0	39.3	1	
12	48	818	-0	0	0	-1	0	234.4	32.6	0.0	0.0	267.0	1	
13	48	-236	-0	0	0	-1	0	67.7	32.8	0.0	0.0	100.5	1	
14	48	-192	-0	-0	0	-0	0	55.0	24.5	0.0	0.0	79.5	6	
15	48	-7	-0	-0	0	-0	0	2.1	14.4	0.0	0.0	16.5	6	
16	48	989	-0	-0	0	-0	0	283.3	14.2	0.0	0.0	297.6	6	
17	48	-321	-0	-0	0	-0	0	92.0	14.5	0.0	0.0	106.6	6	
1A	95	-107	-1	-0	0	0	0	30.6	1.4	0.8	0.0	32.0	1	
1E	95	-93	-1	-0	0	0	0	26.6	1.4	0.8	0.0	28.0	1	
1I	95	-103	-1	-0	0	0	0	29.6	1.2	0.8	0.0	30.8	1	
1M	95	-97	-1	-0	0	0	0	27.7	1.2	0.8	0.0	28.9	1	
2	95	45	-2	-4	0	0	-0	13.0	0.6	3.0	0.0	14.4	4	
3	95	101	-1	-2	0	0	-0	28.9	0.5	1.8	0.0	29.3	6	
4	95	845	-1	-2	0	0	-0	242.2	0.5	1.8	0.0	242.7	1	
5	95	-93	-1	-2	0	0	-0	26.6	0.4	1.8	0.0	27.0	6	
6	95	-195	-2	-1	0	0	0	55.9	1.8	1.3	0.0	57.7	1	
7	95	-10	-1	-1	0	0	-0	2.9	1.1	0.8	0.0	4.0	1	
8	95	829	-1	-1	0	0	0	237.5	1.3	0.8	0.0	238.8	1	
9	95	-293	-1	-1	0	0	0	84.0	1.1	0.8	0.0	85.1	1	
10	95	-155	-2	-4	0	0	-0	44.3	0.6	3.0	0.0	44.9	6	
11	95	-23	-1	-2	0	0	-0	6.5	0.4	1.8	0.0	7.5	4	
12	95	818	-1	-2	0	0	-0	234.5	0.5	1.8	0.0	235.0	1	
13	95	-236	-1	-2	0	0	-0	67.6	0.4	1.8	0.0	68.0	6	
14	95	-191	-2	-1	0	0	-0	54.7	2.1	1.4	0.0	56.7	1	

15	95	-7	-1	-1	0	0	-0	1.9	1.2	0.8	0.0	3.1	1
16	95	990	-1	-1	0	0	-0	283.5	1.4	0.8	0.0	285.0	1
17	95	-321	-1	-1	0	0	-0	91.9	1.2	0.8	0.0	93.1	1

ASTA NUM. 108 NI 230 NF 147 Lungh. 85.1 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0512	-0.2628	--	--	3.1022	1.7882 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	3558	1	-0	0	-0	0	825.4	3.8	0.6	0.0	829.2	6	
1E	0	3568	1	-0	0	-0	0	827.9	3.8	0.6	0.0	831.7	6	
1I	0	3551	1	-0	0	0	0	824.0	4.2	0.6	0.0	828.2	6	
1M	0	3575	1	-0	0	0	0	829.4	4.2	0.6	0.0	833.6	6	
2	0	3284	1	1	0	1	-0	761.9	22.8	0.5	0.0	784.8	1	
3	0	1927	0	0	0	0	-0	447.1	14.2	0.3	0.0	461.3	1	
4	0	1769	0	0	0	0	-0	410.4	14.2	0.3	0.0	424.6	1	
5	0	2091	0	0	0	0	-0	485.2	14.3	0.3	0.0	499.4	1	
6	0	5332	1	0	0	0	0	1237.1	6.8	0.7	0.0	1244.0	1	
7	0	3138	1	0	0	0	0	728.1	4.0	0.4	0.0	732.1	1	
8	0	3012	1	0	0	0	0	698.8	4.0	0.4	0.0	702.8	1	
9	0	3397	1	0	0	0	0	788.2	4.1	0.4	0.0	792.3	1	
10	0	350	1	1	0	1	0	81.2	24.1	0.5	0.0	105.3	1	
11	0	92	0	0	0	0	0	21.3	14.9	0.3	0.0	36.2	1	
12	0	-117	0	0	0	0	0	27.0	14.8	0.3	0.0	41.8	1	
13	0	257	0	0	0	0	0	59.6	14.9	0.3	0.0	74.4	1	
14	0	304	1	0	0	0	0	70.5	9.6	0.7	0.0	80.2	6	
15	0	-9	1	0	0	0	0	2.1	5.7	0.4	0.0	7.8	6	
16	0	-218	1	0	0	0	0	50.6	5.6	0.4	0.0	56.2	6	
17	0	250	1	0	0	0	0	58.0	5.7	0.4	0.0	63.7	6	
1A	43	3558	-0	-0	0	0	0	825.6	7.4	0.3	0.0	833.0	6	
1E	43	3569	-0	-0	0	0	0	828.0	7.4	0.3	0.0	835.5	6	
1I	43	3552	-0	-0	0	0	0	824.1	7.8	0.3	0.0	831.9	6	
1M	43	3575	-0	-0	0	0	0	829.5	7.8	0.3	0.0	837.3	6	
2	43	3286	-0	1	0	0	0	762.5	12.7	0.5	0.0	775.3	1	
3	43	1929	-0	0	0	0	0	447.4	7.9	0.3	0.0	455.4	1	
4	43	1771	-0	0	0	0	0	410.8	8.1	0.3	0.0	418.9	1	
5	43	2093	-0	0	0	0	0	485.5	8.0	0.3	0.0	493.5	1	
6	43	5334	-1	0	0	0	0	1237.5	8.4	0.5	0.0	1245.9	6	
7	43	3139	-0	0	0	0	0	728.3	5.5	0.3	0.0	733.8	6	
8	43	3013	-0	0	0	0	0	699.0	5.5	0.3	0.0	704.4	6	
9	43	3398	-0	0	0	0	0	788.3	5.5	0.3	0.0	793.7	6	
10	43	352	-1	1	0	0	0	81.7	13.2	0.5	0.0	94.9	1	
11	43	93	-0	0	0	0	0	21.6	8.2	0.3	0.0	29.8	1	
12	43	-115	-0	0	0	0	0	26.7	8.4	0.3	0.0	35.1	1	
13	43	258	-0	0	0	0	0	59.9	8.3	0.3	0.0	68.2	1	
14	43	305	-1	0	0	0	0	70.8	10.4	0.6	0.0	81.2	6	
15	43	-8	-0	0	0	0	0	2.0	6.1	0.3	0.0	8.1	6	
16	43	-218	-0	0	0	0	0	50.5	6.2	0.3	0.0	56.6	6	
17	43	251	-0	0	0	0	0	58.2	6.1	0.3	0.0	64.3	6	
1A	85	3559	-2	-0	0	0	-0	825.7	9.6	1.2	0.0	835.3	6	
1E	85	3569	-2	-0	0	0	-0	828.2	9.6	1.2	0.0	837.8	6	
1I	85	3552	-2	-0	0	0	-0	824.2	9.4	1.2	0.0	833.6	6	
1M	85	3576	-2	-0	0	0	-0	829.6	9.4	1.2	0.0	839.0	6	
2	85	3289	-2	1	0	0	-0	763.1	14.8	1.1	0.0	777.9	6	
3	85	1930	-1	0	0	0	-0	447.8	8.6	0.7	0.0	456.4	6	
4	85	1772	-1	0	0	0	-0	411.1	8.6	0.7	0.0	419.8	6	
5	85	2094	-1	0	0	0	-0	485.8	8.5	0.7	0.0	494.4	6	
6	85	5335	-2	0	0	0	-0	1237.8	16.8	1.6	0.0	1254.6	6	
7	85	3140	-1	0	0	0	-0	728.5	9.5	1.0	0.0	738.0	6	
8	85	3013	-1	0	0	0	-0	699.1	9.9	1.0	0.0	709.0	6	
9	85	3398	-1	0	0	0	-0	788.4	9.8	1.0	0.0	798.2	6	
10	85	355	-2	1	0	0	-0	82.3	15.8	1.2	0.0	98.0	6	
11	85	95	-1	0	0	0	-0	21.9	9.1	0.7	0.0	31.1	6	
12	85	-114	-1	0	0	0	-0	26.3	9.2	0.7	0.0	35.5	6	
13	85	260	-1	0	0	0	-0	60.3	9.0	0.7	0.0	69.3	6	
14	85	306	-3	0	0	0	-0	71.1	17.6	1.8	0.0	88.7	6	
15	85	-8	-2	0	0	0	-0	1.8	10.0	1.0	0.0	11.8	6	
16	85	-217	-2	0	0	0	-0	50.3	10.3	1.0	0.0	60.6	6	
17	85	252	-2	0	0	0	-0	58.4	10.2	1.0	0.0	68.5	6	

ASTA NUM. 109 NI 234 NF 146 Lungh. 85.1 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0512	-0.2628	--	--	3.1022	1.7882 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	3555	1	0	0	0	0	824.8	4.2	0.6	0.0	829.0	6	
1E	0	3565	1	0	0	0	0	827.2	4.2	0.6	0.0	831.4	6	
1I	0	3548	1	0	0	0	0	823.3	4.8	0.6	0.0	828.1	6	
1M	0	3572	1	0	0	0	0	828.7	4.8	0.6	0.0	833.5	6	
2	0	3798	1	-1	0	-1	-0	881.2	25.1	0.5	0.0	906.4	1	
3	0	2481	0	-0	0	-0	-0	575.6	15.7	0.3	0.0	591.4	1	
4	0	2626	1	-1	0	-0	-0	609.3	15.8	0.3	0.0	625.1	1	
5	0	2310	0	-0	0	-0	-0	536.0	15.7	0.3	0.0	551.7	1	
6	0	5395	1	-0	0	-0	0	1251.7	7.0	0.7	0.0	1258.8	1	
7	0	3539	1	-0	0	-0	0	821.1	4.2	0.4	0.0	825.4	1	
8	0	3662	1	-0	0	-0	0	849.7	4.2	0.4	0.0	853.9	1	
9	0	3283	1	-0	0	-0	0	761.7	4.2	0.4	0.0	765.9	1	
10	0	348	1	-1	0	-1	-0	80.7	25.7	0.6	0.0	106.4	1	
11	0	323	0	-1	0	-0	-0	75.0	16.1	0.3	0.0	91.0	1	
12	0	519	0	-1	0	-0	-0	120.5	16.1	0.4	0.0	136.6	1	
13	0	151	0	-1	0	-0	-0	34.9	16.0	0.3	0.0	50.9	1	
14	0	366	1	-0	0	-0	0	85.0	9.4	0.7	0.0	94.4	1	
15	0	392	1	-0	0	-0	0	90.9	5.7	0.4	0.0	96.6	1	
16	0	595	1	-0	0	-0	0	138.1	5.7	0.4	0.0	143.8	1	
17	0	132	1	-0	0	-0	0	30.5	5.7	0.4	0.0	36.2	1	
1A	43	3555	-0	0	0	-0	0	824.9	7.3	0.3	0.0	832.2	6	
1E	43	3566	-0	0	0	-0	0	827.3	7.3	0.3	0.0	834.6	6	
1I	43	3549	-0	0	0	-0	0	823.4	7.4	0.3	0.0	830.8	6	
1M	43	3572	-0	0	0	-0	0	828.8	7.4	0.3	0.0	836.2	6	
2	43	3800	-0	-1	0	-0	-0	881.8	13.0	0.5	0.0	894.8	1	
3	43	2483	-0	-0	0	-0	-0	576.0	8.1	0.3	0.0	584.1	1	
4	43	2628	-0	-1	0	-0	0	609.6	7.8	0.3	0.0	617.4	1	
5	43	2312	-0	-0	0	-0	-0	536.3	8.0	0.3	0.0	544.3	1	
6	43	5396	-1	-0	0	-0	0	1252.0	8.1	0.5	0.0	1260.1	6	
7	43	3540	-0	-0	0	-0	0	821.3	5.2	0.3	0.0	826.6	6	
8	43	3663	-0	-0	0	-0	0	849.8	5.3	0.3	0.0	855.0	6	
9	43	3284	-0	-0	0	-0	0	761.8	5.1	0.3	0.0	767.0	6	
10	43	350	-1	-1	0	-0	-0	81.3	13.6	0.6	0.0	94.9	1	
11	43	325	-0	-1	0	-0	0	75.3	8.5	0.3	0.0	83.9	1	
12	43	521	-0	-1	0	-0	0	120.8	8.3	0.4	0.0	129.1	1	
13	43	152	-0	-1	0	-0	0	35.3	8.5	0.3	0.0	43.7	1	
14	43	368	-1	-0	0	-0	0	85.3	10.0	0.6	0.0	95.3	6	
15	43	392	-0	-0	0	-0	0	91.1	5.8	0.3	0.0	96.9	6	
16	43	596	-0	-0	0	-0	0	138.2	5.8	0.3	0.0	144.0	6	
17	43	132	-0	-0	0	-0	0	30.7	5.8	0.3	0.0	36.5	6	
1A	85	3556	-2	0	0	-0	-0	825.0	9.8	1.2	0.0	834.8	6	
1E	85	3566	-2	0	0	-0	-0	827.5	9.8	1.2	0.0	837.3	6	
1I	85	3549	-2	0	0	-0	-0	823.5	9.6	1.2	0.0	833.1	6	
1M	85	3573	-2	0	0	-0	-0	828.9	9.6	1.2	0.0	838.5	6	
2	85	3803	-2	-1	0	-0	-0	882.4	15.3	1.1	0.0	897.7	6	
3	85	2484	-1	-0	0	-0	-0	576.3	9.2	0.7	0.0	585.5	6	
4	85	2629	-1	-1	0	-0	-0	610.0	8.6	0.6	0.0	618.6	6	
5	85	2313	-1	-0	0	-0	-0	536.7	9.1	0.7	0.0	545.7	6	
6	85	5397	-2	-0	0	-0	-0	1252.2	17.1	1.6	0.0	1269.3	6	
7	85	3541	-1	-0	0	-0	-0	821.6	10.2	1.0	0.0	831.8	6	
8	85	3663	-1	-0	0	-0	-0	849.9	9.7	1.0	0.0	859.6	6	
9	85	3284	-1	-0	0	-0	-0	761.9	10.3	1.0	0.0	772.2	6	
10	85	353	-2	-1	0	-0	-0	81.8	16.7	1.2	0.0	98.5	6	
11	85	326	-1	-1	0	-0	-0	75.7	10.0	0.7	0.0	85.6	6	
12	85	522	-1	-1	0	-0	-0	121.2	9.5	0.7	0.0	130.6	6	
13	85	154	-1	-1	0	-0	-0	35.6	9.8	0.7	0.0	45.4	6	
14	85	369	-3	-0	0	-0	-0	85.5	18.0	1.8	0.0	103.6	6	
15	85	393	-2	-0	0	-0	-0	91.2	10.7	1.0	0.0	101.9	6	
16	85	597	-2	-0	0	-0	-0	138.4	10.3	1.0	0.0	148.7	6	
17	85	133	-2	-0	0	-0	-0	30.9	10.7	1.0	0.0	41.5	6	

ASTA NUM. 110 NI 230 NF 146 Lungh. 157.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4557	-0.1139	--	--	2.3610	1.7914 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	361	2	0	0	0	0	117.2	0.7	1.7	0.0	117.9	1	
1E	0	375	2	0	0	0	0	121.8	0.7	1.7	0.0	122.5	1	
1I	0	363	2	0	0	0	0	117.8	1.0	1.7	0.0	118.8	1	
1M	0	373	2	0	0	0	0	121.2	1.0	1.7	0.0	122.3	1	
2	0	372	2	-4	0	0	-0	120.6	10.0	3.8	0.0	130.6	1	
3	0	362	1	-3	0	0	-0	117.5	6.3	2.4	0.0	123.8	1	
4	0	540	1	-3	0	0	-0	175.4	6.4	2.4	0.0	181.8	1	
5	0	193	1	-3	0	0	-0	62.7	6.2	2.4	0.0	68.9	1	
6	0	530	2	-1	0	0	0	171.9	3.0	2.3	0.0	174.9	1	
7	0	531	2	-1	0	0	0	172.3	1.9	1.4	0.0	174.2	1	
8	0	681	2	-1	0	0	0	221.2	2.0	1.4	0.0	223.2	1	
9	0	261	2	-1	0	0	0	84.9	1.8	1.4	0.0	86.7	1	
10	0	-320	2	-4	0	0	-0	103.8	9.9	3.8	0.0	113.7	1	

11	0	-68	1	-3	0	0	-0	22.1	6.2	2.4	0.0	28.3	1
12	0	152	1	-3	0	0	-0	49.2	6.4	2.4	0.0	55.6	1
13	0	-235	1	-3	0	0	0	76.4	5.9	2.4	0.0	82.2	1
14	0	-350	3	-1	0	0	0	113.5	3.1	2.4	0.0	116.6	1
15	0	-17	2	-1	0	0	0	5.6	2.0	1.4	0.0	7.6	1
16	0	202	2	-1	0	0	0	65.6	2.1	1.4	0.0	67.7	1
17	0	-282	2	-1	0	0	0	91.7	1.9	1.4	0.0	93.5	1
1A	79	361	-0	0	0	0	1	117.3	46.5	0.0	0.0	163.8	6
1E	79	376	-0	0	0	0	1	121.9	46.5	0.0	0.0	168.4	6
1I	79	363	-0	0	0	0	1	117.9	46.6	0.0	0.0	164.5	6
1M	79	374	-0	0	0	0	1	121.4	46.6	0.0	0.0	168.0	6
2	79	375	-0	0	0	2	1	121.6	131.6	0.1	0.0	253.2	1
3	79	364	-0	0	0	1	0	118.1	82.2	0.1	0.0	200.3	1
4	79	542	-0	0	0	1	0	176.0	82.2	0.1	0.0	258.2	1
5	79	195	-0	0	0	1	0	63.3	82.2	0.1	0.0	145.5	1
6	79	531	-0	0	0	0	1	172.3	72.1	0.0	0.0	244.4	6
7	79	531	-0	0	0	0	1	172.5	45.0	0.0	0.0	217.5	6
8	79	682	-0	0	0	0	1	221.4	45.0	0.0	0.0	266.5	6
9	79	262	-0	0	0	0	1	85.1	45.1	0.0	0.0	130.2	6
10	79	-317	-0	0	0	2	1	102.9	131.8	0.1	0.0	234.6	1
11	79	-66	-0	0	0	1	0	21.4	82.3	0.1	0.0	103.7	1
12	79	154	-0	0	0	1	0	49.8	82.4	0.1	0.0	132.2	1
13	79	-233	-0	0	0	1	0	75.8	82.3	0.1	0.0	158.0	1
14	79	-348	-0	0	0	0	1	113.1	77.0	0.0	0.0	190.0	6
15	79	-17	-0	0	0	0	1	5.4	45.1	0.0	0.0	50.5	6
16	79	203	-0	0	0	0	1	65.9	45.1	0.0	0.0	111.0	6
17	79	-282	-0	0	0	0	1	91.4	45.2	0.0	0.0	136.6	6
1A	158	362	-2	0	0	-0	-0	117.5	2.0	1.7	0.0	119.5	6
1E	158	376	-2	0	0	-0	-0	122.1	2.0	1.7	0.0	124.1	6
1I	158	364	-2	0	0	-0	-0	118.1	1.9	1.7	0.0	120.0	6
1M	158	374	-2	0	0	-0	-0	121.5	1.9	1.7	0.0	123.4	6
2	158	378	-2	4	0	-0	-0	122.6	3.8	4.0	0.0	126.4	6
3	158	366	-1	3	0	-0	-0	118.7	2.4	2.5	0.0	121.1	6
4	158	544	-1	3	0	-0	-0	176.6	2.3	2.5	0.0	178.8	6
5	158	197	-1	3	0	-0	-0	63.9	2.3	2.5	0.0	66.2	6
6	158	532	-3	1	0	-0	-0	172.7	3.5	2.3	0.0	176.2	6
7	158	532	-2	1	0	-0	-0	172.8	2.2	1.5	0.0	175.0	6
8	158	683	-2	1	0	-0	-0	221.7	2.1	1.4	0.0	223.8	6
9	158	263	-2	1	0	-0	-0	85.4	2.1	1.5	0.0	87.5	6
10	158	-314	-2	4	0	-0	-0	101.9	3.8	4.0	0.0	105.7	6
11	158	-64	-1	3	0	-0	-0	20.8	2.4	2.5	0.0	23.2	6
12	158	155	-1	3	0	-0	-0	50.5	2.3	2.5	0.0	52.7	6
13	158	-232	-1	3	0	-0	-0	75.2	2.3	2.5	0.0	77.4	6
14	158	-347	-3	1	0	-0	-0	112.7	3.5	2.5	0.0	116.1	6
15	158	-16	-2	1	0	-0	-0	5.2	2.2	1.5	0.0	7.3	6
16	158	204	-2	1	0	-0	-0	66.1	2.1	1.5	0.0	68.2	6
17	158	-281	-2	1	0	-0	-0	91.2	2.0	1.5	0.0	93.2	6

ASTA NUM. 111 NI 234 NF 147 Lungh. 157.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4557	-0.1139	--	--	2.3610	1.7914 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	282	2	-0	0	-0	0	91.4	0.3	1.7	0.0	91.7	1	
1E	0	296	2	-0	0	-0	0	96.0	0.3	1.7	0.0	96.3	1	
1I	0	283	2	-0	0	0	0	92.0	0.2	1.7	0.0	92.2	1	
1M	0	294	2	-0	0	0	0	95.4	0.2	1.7	0.0	95.6	1	
2	0	95	2	4	0	-0	-0	30.7	10.7	3.8	0.0	41.5	1	
3	0	-36	1	3	0	-0	-0	11.8	6.6	2.4	0.0	18.4	1	
4	0	-193	1	3	0	-0	-0	62.6	6.5	2.4	0.0	69.1	1	
5	0	145	1	3	0	-0	-0	47.1	6.7	2.4	0.0	53.9	1	
6	0	406	2	1	0	-0	0	131.9	3.1	2.3	0.0	135.0	1	
7	0	103	2	1	0	-0	0	33.5	1.8	1.4	0.0	35.3	1	
8	0	-41	2	1	0	-0	0	13.3	1.8	1.4	0.0	15.1	1	
9	0	369	2	1	0	-0	0	119.8	2.0	1.4	0.0	121.7	1	
10	0	-426	2	4	0	-0	-0	138.2	10.9	3.8	0.0	149.1	1	
11	0	-359	1	3	0	-0	-0	116.7	6.7	2.4	0.0	123.4	1	
12	0	-557	1	3	0	-0	-0	180.9	6.6	2.4	0.0	187.5	1	
13	0	-178	1	3	0	-0	-0	57.9	6.8	2.4	0.0	64.7	1	
14	0	-473	3	1	0	-0	0	153.5	3.3	2.4	0.0	156.8	1	
15	0	-445	2	1	0	-0	0	144.4	1.9	1.4	0.0	146.4	1	
16	0	-654	2	1	0	-0	0	212.3	1.8	1.4	0.0	214.1	1	
17	0	-178	2	1	0	-0	0	57.8	2.0	1.4	0.0	59.9	1	
1A	79	282	-0	-0	0	0	1	91.5	46.5	0.0	0.0	138.0	6	
1E	79	296	-0	-0	0	0	1	96.1	46.5	0.0	0.0	142.6	6	
1I	79	284	-0	-0	0	0	1	92.1	46.7	0.0	0.0	138.8	6	
1M	79	294	-0	-0	0	0	1	95.5	46.7	0.0	0.0	142.2	6	
2	79	98	-0	-0	0	-2	1	31.7	131.8	0.1	0.0	163.5	1	
3	79	-35	-0	-0	0	-1	0	11.2	82.4	0.1	0.0	93.6	1	
4	79	-191	-0	-0	0	-1	0	62.0	82.3	0.1	0.0	144.3	1	
5	79	147	-0	-0	0	-1	0	47.8	82.3	0.1	0.0	130.1	1	
6	79	407	-0	-0	0	-0	1	132.3	72.1	0.0	0.0	204.4	6	
7	79	104	-0	-0	0	-0	1	33.7	45.2	0.0	0.0	78.9	6	
8	79	-40	-0	-0	0	-0	1	13.1	45.2	0.0	0.0	58.2	6	
9	79	370	-0	-0	0	-0	1	120.0	45.1	0.0	0.0	165.1	6	
10	79	-423	-0	-0	0	-2	1	137.2	132.1	0.1	0.0	269.4	1	
11	79	-358	-0	-0	0	-1	0	116.1	82.6	0.1	0.0	198.6	1	
12	79	-555	-0	-0	0	-1	0	180.3	82.5	0.1	0.0	262.7	1	
13	79	-176	-0	-0	0	-1	0	57.3	82.5	0.1	0.0	139.8	1	
14	79	-472	-0	-0	0	-0	1	153.1	77.0	0.0	0.0	230.1	6	
15	79	-444	-0	-0	0	-0	1	144.2	45.3	0.0	0.0	189.5	6	
16	79	-653	-0	-0	0	-0	1	212.1	45.3	0.0	0.0	257.4	6	
17	79	-177	-0	-0	0	-0	1	57.6	45.2	0.0	0.0	102.8	6	
1A	158	282	-2	-0	0	0	-0	91.7	1.9	1.7	0.0	93.6	6	
1E	158	296	-2	-0	0	0	-0	96.3	1.9	1.7	0.0	98.2	6	
1I	158	284	-2	-0	0	0	-0	92.3	1.9	1.7	0.0	94.2	6	
1M	158	295	-2	-0	0	0	-0	95.7	1.9	1.7	0.0	97.6	6	
2	158	101	-2	-4	0	0	-0	32.7	3.5	4.0	0.0	36.2	6	
3	158	-33	-1	-3	0	0	-0	10.6	2.0	2.5	0.0	12.6	6	
4	158	-189	-1	-3	0	0	-0	61.4	2.1	2.5	0.0	63.4	6	
5	158	149	-1	-3	0	0	-0	48.4	2.1	2.5	0.0	50.5	6	
6	158	409	-3	-1	0	0	-0	132.7	3.4	2.3	0.0	136.0	6	
7	158	105	-2	-1	0	0	-0	34.0	1.9	1.4	0.0	35.8	6	
8	158	-40	-2	-1	0	0	-0	12.8	2.0	1.5	0.0	14.8	6	
9	158	370	-2	-1	0	0	-0	120.3	2.0	1.4	0.0	122.3	6	
10	158	-420	-2	-4	0	0	-0	136.3	3.5	4.0	0.0	139.8	6	
11	158	-356	-1	-3	0	0	-0	115.5	2.0	2.5	0.0	117.5	6	
12	158	-553	-1	-3	0	0	-0	179.6	2.0	2.5	0.0	181.7	6	
13	158	-175	-1	-3	0	0	-0	56.7	2.1	2.5	0.0	58.8	6	
14	158	-470	-3	-1	0	0	-0	152.7	3.3	2.5	0.0	156.0	6	
15	158	-443	-2	-1	0	0	-0	144.0	1.8	1.5	0.0	145.7	6	
16	158	-652	-2	-1	0	0	-0	211.8	1.9	1.5	0.0	213.7	6	
17	158	-177	-2	-1	0	0	-0	57.3	1.9	1.5	0.0	59.3	6	

ASTA NUM. 112 NI 234 NF 249 Lungh. 66.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	1130	1	0	0	0	-0	323.9	1.6	0.8	0.0	325.6	6	
1E	0	1136	1	0	0	0	-0	325.4	1.6	0.8	0.0	327.0	6	
1I	0	1130	1	0	0	0	-0	323.8	3.2	0.8	0.0	326.9	1	
1M	0	1136	1	0	0	0	-0	325.5	3.2	0.8	0.0	328.7	1	
2	0	1574	1	8	0	1	-0	451.0	69.1	6.3	0.0	520.1	1	
3	0	984	1	5	0	1	-0	281.8	43.3	3.9	0.0	325.2	1	
4	0	983	1	5	0	1	-0	281.6	43.5	3.9	0.0	325.1	1	
5	0	982	1	5	0	1	-0	281.5	43.2	3.9	0.0	324.7	1	
6	0	2030	1	2	0	0	-0	581.7	17.0	1.6	0.0	598.6	1	
7	0	1268	1	1	0	0	-0	363.3	10.8	1.0	0.0	374.2	1	
8	0	1268	1	1	0	0	-0	363.3	11.0	1.0	0.0	374.3	1	
9	0	1267	1	1	0	0	-0	363.0	10.6	1.0	0.0	373.6	1	
10	0	1729	1	8	0	1	-0	495.4	68.2	6.3	0.0	563.6	1	
11	0	1080	1	5	0	1	-0	309.5	42.8	3.9	0.0	352.2	1	
12	0	1079	1	5	0	1	-0	309.2	43.0	3.9	0.0	352.2	1	
13	0	1079	1	5	0	1	-0	309.2	42.6	3.9	0.0	351.8	1	
14	0	2354	2	2	0	0	-0	674.5	15.9	1.6	0.0	690.4	1	
15	0	1471	1	1	0	0	-0	421.5	10.2	1.0	0.0	431.7	1	
16	0	1470	1	1	0	0	-0	421.2	10.4	1.0	0.0	431.6	1	
17	0	1470	1	1	0	0	-0	421.2	9.9	1.0	0.0	431.1	1	
1A	33	1130	0	0	0	-0	0	323.9	7.9	0.1	0.0	331.8	6	
1E	33	1136	0	0	0	-0	0	325.4	7.9	0.1	0.0	333.2	6	
1I	33	1130	0	0	0	-0	0	323.8	8.1	0.2	0.0	331.9	6	
1M	33	1136	0	0	0	-0	0	325.5	8.1	0.2	0.0	333.6	6	
2	33	1574	0	5	0	-1	0	451.0	41.2	4.1	0.0	492.2	1	
3	33	984	0	3	0	-0	0	281.8	25.6	2.5	0.0	307.5	1	
4	33	983	0	3	0	-0	0	281.6	25.5	2.5	0.0	307.1	1	
5	33	982	0	3	0	-0	0	281.5	25.7	2.5	0.0	307.2	1	
6	33	2030	0	1	0	-0	0	581.7	14.2	1.0	0.0	595.9	6	
7	33	1268	0	1	0	-0	0	363.3	8.8	0.6	0.0	372.1	6	
8	33	1268	0	1	0	-0	0	363.3	8.7	0.6	0.0	372.0	6	
9	33	1267	0	1	0	-0	0	363.0	8.9	0.6	0.0	371.9	6	
10	33	1729	0	5	0	-1	0	495.4	42.0	4.1	0.0	537.4	1	
11	33	1080	0	3	0	-0	0	309.5	26.1	2.5	0.0	335.6	1	
12	33	1079	0	3	0	-0	0	309.2	25.9	2.5	0.0	335.1	1	
13	33	1079	0	3	0	-0	0	309.2	26.2	2.5	0.0	335.4	1	
14	33	2354	0	1	0	-0	0	674.5	15.3	1.0	0.0	689.8	1	
15	33	1471	0	1	0	-0	0	421.5	9.2	0.6	0.0	430.7	1	
16	33	1470	0	1	0	-0	0	421.2	9.0	0.6	0.0	430.2	1	
17	33	1470	0	1	0	-0	0	421.2	9.3	0.6	0.0	430.5	1	

1A	66	1130	-1	0	0	-0	0	323.9	2.3	0.7	0.0	326.2	1
1E	66	1136	-1	0	0	-0	0	325.4	2.3	0.7	0.0	327.6	1
1I	66	1130	-1	0	0	-0	0	323.8	5.7	0.7	0.0	329.4	1
1M	66	1136	-1	0	0	-0	0	325.5	5.7	0.7	0.0	331.2	1
2	66	1574	-1	2	0	-2	0	451.0	98.3	1.8	0.0	549.3	1
3	66	984	-1	1	0	-1	0	281.8	61.3	1.1	0.0	343.1	1
4	66	983	-1	1	0	-1	0	281.6	61.2	1.2	0.0	342.8	1
5	66	982	-1	1	0	-1	0	281.5	61.3	1.1	0.0	342.8	1
6	66	2030	-1	1	0	-0	0	581.7	25.7	0.9	0.0	607.4	1
7	66	1268	-1	0	0	-0	0	363.3	16.0	0.6	0.0	379.3	1
8	66	1268	-1	0	0	-0	0	363.3	15.9	0.6	0.0	379.2	1
9	66	1267	-1	0	0	-0	0	363.0	16.0	0.6	0.0	379.1	1
10	66	1729	-1	2	0	-2	0	495.4	98.8	1.8	0.0	594.2	1
11	66	1080	-1	1	0	-1	0	309.5	61.7	1.1	0.0	371.1	1
12	66	1079	-1	1	0	-1	0	309.2	61.6	1.1	0.0	370.7	1
13	66	1079	-1	1	0	-1	0	309.2	61.7	1.1	0.0	370.8	1
14	66	2354	-1	1	0	-1	0	674.5	26.5	1.0	0.0	701.0	1
15	66	1471	-1	0	0	-0	0	421.5	16.4	0.6	0.0	437.9	1
16	66	1470	-1	0	0	-0	0	421.2	16.4	0.6	0.0	437.6	1
17	66	1470	-1	0	0	-0	0	421.2	16.5	0.6	0.0	437.7	1

ASTA NUM. 113 NI 249 NF 230 Lungh. 66.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1130	1	0	0	0	0	323.6	1.8	0.7	0.0	325.5	6	
1E	0	1134	1	0	0	0	0	325.1	1.8	0.7	0.0	326.9	6	
1I	0	1129	1	0	0	0	0	323.5	5.0	0.7	0.0	328.5	1	
1M	0	1135	1	0	0	0	0	325.2	5.0	0.7	0.0	330.2	1	
2	0	1573	1	-2	0	-2	0	450.7	97.3	1.9	0.0	548.0	1	
3	0	983	1	-1	0	-1	0	281.7	60.8	1.2	0.0	342.5	1	
4	0	982	1	-1	0	-1	0	281.5	60.8	1.2	0.0	342.3	1	
5	0	982	1	-1	0	-1	0	281.3	60.7	1.2	0.0	342.0	1	
6	0	2029	1	-1	0	-0	0	581.4	25.5	0.9	0.0	606.9	1	
7	0	1268	1	-0	0	-0	0	363.3	15.9	0.6	0.0	379.3	1	
8	0	1268	1	-0	0	-0	0	363.3	16.0	0.6	0.0	379.3	1	
9	0	1267	1	-0	0	-0	0	363.0	15.9	0.6	0.0	378.9	1	
10	0	1728	1	-2	0	-2	0	495.1	97.8	1.9	0.0	592.9	1	
11	0	1080	1	-1	0	-1	0	309.5	61.1	1.2	0.0	370.5	1	
12	0	1079	1	-1	0	-1	0	309.2	61.1	1.2	0.0	370.3	1	
13	0	1079	1	-1	0	-1	0	309.2	61.0	1.2	0.0	370.2	1	
14	0	2353	1	-1	0	-1	0	674.2	26.3	1.0	0.0	700.5	1	
15	0	1471	1	-0	0	-0	0	421.5	16.4	0.6	0.0	437.9	1	
16	0	1469	1	-0	0	-0	0	420.9	16.5	0.6	0.0	437.4	1	
17	0	1470	1	-0	0	-0	0	421.2	16.3	0.6	0.0	437.5	1	
1A	33	1130	-0	0	0	-0	0	323.6	7.8	0.1	0.0	331.4	6	
1E	33	1134	-0	0	0	-0	0	325.1	7.8	0.1	0.0	332.9	6	
1I	33	1129	-0	0	0	0	0	323.5	7.6	0.2	0.0	331.1	6	
1M	33	1135	-0	0	0	0	0	325.2	7.6	0.2	0.0	332.9	6	
2	33	1573	-0	-5	0	-1	0	450.7	40.0	4.1	0.0	490.8	1	
3	33	983	-0	-3	0	-0	0	281.7	25.0	2.6	0.0	306.8	1	
4	33	982	-0	-3	0	-0	0	281.5	25.1	2.6	0.0	306.6	1	
5	33	982	-0	-3	0	-0	0	281.3	24.9	2.6	0.0	306.2	1	
6	33	2029	-0	-1	0	-0	0	581.4	14.2	1.0	0.0	595.6	6	
7	33	1268	-0	-1	0	-0	0	363.3	9.0	0.6	0.0	372.3	6	
8	33	1268	-0	-1	0	-0	0	363.3	9.0	0.6	0.0	372.3	6	
9	33	1267	-0	-1	0	-0	0	363.0	8.8	0.6	0.0	371.9	6	
10	33	1728	-0	-5	0	-1	0	495.1	40.6	4.1	0.0	535.7	1	
11	33	1080	-0	-3	0	-0	0	309.5	25.4	2.6	0.0	334.8	1	
12	33	1079	-0	-3	0	-0	0	309.2	25.5	2.6	0.0	334.6	1	
13	33	1079	-0	-3	0	-0	0	309.2	25.2	2.6	0.0	334.4	1	
14	33	2353	-0	-1	0	-0	0	674.2	15.2	1.0	0.0	689.5	6	
15	33	1471	-0	-1	0	-0	0	421.5	9.2	0.6	0.0	430.7	1	
16	33	1469	-0	-1	0	-0	0	420.9	9.4	0.6	0.0	430.3	1	
17	33	1470	-0	-1	0	-0	0	421.2	9.1	0.6	0.0	430.3	1	
1A	66	1130	-1	0	0	-0	-0	323.6	2.4	0.8	0.0	326.1	1	
1E	66	1134	-1	0	0	-0	-0	325.1	2.4	0.8	0.0	327.5	1	
1I	66	1129	-1	0	0	-0	-0	323.5	4.9	0.8	0.0	328.4	1	
1M	66	1135	-1	0	0	-0	-0	325.2	4.9	0.8	0.0	330.1	1	
2	66	1573	-1	-8	0	1	-0	450.7	70.6	6.3	0.0	521.3	1	
3	66	983	-1	-5	0	1	-0	281.7	44.0	3.9	0.0	325.7	1	
4	66	982	-1	-5	0	1	-0	281.5	43.9	3.9	0.0	325.4	1	
5	66	982	-1	-5	0	1	-0	281.3	44.2	4.0	0.0	325.5	1	
6	66	2029	-1	-2	0	0	-0	581.4	17.2	1.6	0.0	598.6	1	
7	66	1268	-1	-1	0	0	-0	363.3	10.7	1.0	0.0	374.0	1	
8	66	1268	-1	-1	0	0	-0	363.3	10.6	1.0	0.0	373.9	1	
9	66	1267	-1	-1	0	0	-0	363.0	10.9	1.0	0.0	374.0	1	
10	66	1728	-1	-8	0	1	-0	495.1	69.9	6.3	0.0	565.1	1	
11	66	1080	-1	-5	0	1	-0	309.5	43.6	3.9	0.0	353.1	1	
12	66	1079	-1	-5	0	1	-0	309.2	43.5	3.9	0.0	352.6	1	
13	66	1079	-1	-5	0	1	-0	309.2	43.8	3.9	0.0	353.0	1	
14	66	2353	-2	-2	0	0	-0	674.2	16.2	1.6	0.0	690.4	1	
15	66	1471	-1	-1	0	0	-0	421.5	10.0	1.0	0.0	431.5	1	
16	66	1469	-1	-1	0	0	-0	420.9	9.9	1.0	0.0	430.8	1	
17	66	1470	-1	-1	0	0	-0	421.2	10.3	1.0	0.0	431.5	1	

ASTA NUM. 114 NI 240 NF 232 Lungh. 163.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5265	-0.1316	--	--	2.3499	1.6918 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-165	2	0	0	0	0	53.7	2.4	1.8	0.0	56.1	1	
1E	0	-164	2	0	0	0	0	53.1	2.4	1.8	0.0	55.5	1	
1I	0	-165	2	0	0	0	0	53.5	2.3	1.8	0.0	55.8	1	
1M	0	-164	2	0	0	0	0	53.3	2.3	1.8	0.0	55.6	1	
2	0	-302	2	4	0	0	-0	98.1	11.8	3.9	0.0	109.9	1	
3	0	-212	1	3	0	0	-0	68.7	9.4	2.5	0.0	78.1	1	
4	0	-237	1	3	0	0	-0	76.8	11.7	2.5	0.0	88.5	1	
5	0	-182	1	3	0	0	-0	59.0	6.7	2.4	0.0	65.7	1	
6	0	-298	3	1	0	0	0	96.6	4.7	2.4	0.0	101.4	1	
7	0	-221	2	1	0	0	-0	71.9	6.3	1.5	0.0	78.1	1	
8	0	-240	2	1	0	0	-0	77.8	8.0	1.5	0.0	85.8	1	
9	0	-175	2	1	0	0	0	56.8	2.1	1.5	0.0	58.9	1	
10	0	-197	2	4	0	0	0	63.9	4.3	3.9	0.0	68.2	1	
11	0	-146	1	3	0	0	-0	47.3	4.8	2.4	0.0	52.1	1	
12	0	-182	1	3	0	0	-0	59.2	8.2	2.5	0.0	67.3	1	
13	0	-115	1	3	0	0	0	37.3	2.1	2.4	0.0	39.4	1	
14	0	-278	3	1	0	0	-0	90.3	5.7	2.5	0.0	96.1	1	
15	0	-209	2	1	0	0	-0	67.8	6.8	1.5	0.0	74.5	1	
16	0	-246	2	1	0	0	-0	79.8	10.1	1.5	0.0	89.9	1	
17	0	-161	2	1	0	0	0	52.3	2.4	1.5	0.0	54.7	1	
1A	82	-165	-0	0	0	0	1	53.6	51.2	0.0	0.0	104.7	6	
1E	82	-163	-0	0	0	0	1	53.0	51.2	0.0	0.0	104.1	6	
1I	82	-164	-0	0	0	0	1	53.4	51.1	0.0	0.0	104.5	6	
1M	82	-164	-0	0	0	0	1	53.1	51.1	0.0	0.0	104.3	6	
2	82	-299	0	0	0	-2	1	97.0	123.5	0.1	0.0	220.5	1	
3	82	-209	0	0	0	-1	1	68.0	76.1	0.1	0.0	144.1	1	
4	82	-234	0	0	0	-1	1	76.1	75.0	0.1	0.0	151.1	1	
5	82	-180	0	0	0	-1	1	58.3	77.4	0.0	0.0	135.7	1	
6	82	-296	0	0	0	-0	1	96.2	75.7	0.0	0.0	171.9	6	
7	82	-220	0	0	0	-0	1	71.6	46.5	0.0	0.0	118.0	6	
8	82	-239	0	0	0	-0	1	77.5	46.0	0.1	0.0	123.5	6	
9	82	-174	-0	0	0	-0	1	56.5	47.6	0.0	0.0	104.1	6	
10	82	-194	0	0	0	-2	1	62.9	127.2	0.0	0.0	190.1	1	
11	82	-144	0	0	0	-1	1	46.6	78.5	0.0	0.0	125.1	1	
12	82	-180	0	0	0	-1	1	58.5	76.9	0.1	0.0	135.3	1	
13	82	-113	-0	0	0	-1	1	36.7	79.8	0.0	0.0	116.5	1	
14	82	-277	0	0	0	-0	1	89.9	80.8	0.0	0.0	170.6	6	
15	82	-208	0	0	0	-0	1	67.5	46.4	0.1	0.0	114.0	6	
16	82	-245	0	0	0	-0	1	79.5	45.5	0.1	0.0	125.0	6	
17	82	-160	-0	0	0	-0	1	52.1	47.6	0.0	0.0	99.7	6	
1A	164	-165	-2	0	0	0	0	53.4	0.5	1.8	0.0	53.9	1	
1E	164	-163	-2	0	0	0	0	52.8	0.5	1.8	0.0	53.3	1	
1I	164	-164	-2	0	0	0	0	53.2	0.5	1.8	0.0	53.8	1	
1M	164	-163	-2	0	0	0	0	53.0	0.5	1.8	0.0	53.5	1	
2	164	-296	-2	-4	0	0	0	95.9	2.1	3.8	0.0	98.1	1	
3	164	-207	-1	-3	0	0	0	67.3	1.5	2.3	0.0	68.8	1	
4	164	-232	-1	-3	0	0	0	75.4	1.6	2.3	0.0	77.0	1	
5	164	-177	-1	-3	0	0	0	57.6	1.3	2.4	0.0	58.9	1	
6	164	-295	-3	-1	0	0	-0	95.7	1.2	2.3	0.0	97.0	1	
7	164	-220	-2	-1	0	0	0	71.3	0.8	1.5	0.0	72.1	1	
8	164	-238	-2	-1	0	0	0	77.2	0.9	1.4	0.0	78.1	1	
9	164	-173	-2	-1	0	0	-0	56.3	0.8	1.5	0.0	57.1	1	
10	164	-190	-2	-4	0	0	-0	61.8	1.5	3.8	0.0	63.3	1	
11	164	-142	-1	-3	0	0	0	46.0	1.0	2.4	0.0	47.0	1	
12	164	-178	-1	-3	0	0	0	57.8	1.2	2.3	0.0	59.0	1	
13	164	-111	-1	-3	0	0	-0	36.0	1.0	2.4	0.0	37.0	1	
14	164	-275	-3	-1	0	0	-0	89.4	0.7	2.5	0.0	90.1	1	
15	164	-207	-2	-1	0	0	0	67.2	0.5	1.5	0.0	67.8	1	
16	164	-244	-2	-1	0	0	0	79.3	0.8	1.4	0.0	80.1	6	
17	164	-160	-2	-1	0	0	-0	51.8	0.4	1.5	0.0	52.2	1	

ASTA NUM. 115 NI 241 NF 237 Lungh. 163.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5265	-0.1316	--	--	2.3499	1.6918 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-184	2	-0	0	-0	0	59.7	3.6	1.8	0.0	63.3	1	
1E	0	-182	2	-0	0	-0	0	59.2	3.6	1.8	0.0	62.8	1	
1I	0	-183	2	-0	0	-0	0	59.6	3.7	1.8	0.0	63.3	1	
1M	0	-183	2	-0	0	-0	0	59.3	3.7	1.8	0.0	63.0	1	
2	0	-155	2	-4	0	0	0	50.2	1.4	3.8	0.0	51.5	1	
3	0	-74	1	-3	0	0	0	24.0	2.9	2.4	0.0	26.9	1	
4	0	-49	1	-3	0	0	0	15.8	5.2	2.4	0.0	21.0	1	
5	0	-103	1	-3	0	0	0	33.6	0.1	2.4	0.0	33.9	4	
6	0	-300	3	-1	0	-0	0	97.3	5.0	2.3	0.0	102.3	1	
7	0	-152	2	-1	0	-0	0	49.3	0.3	1.5	0.0	49.6	1	
8	0	-134	2	-1	0	0	0	43.3	1.6	1.4	0.0	44.9	1	
9	0	-198	2	-1	0	-0	-0	64.3	4.3	1.5	0.0	68.5	1	
10	0	-222	2	-4	0	-0	-0	72.2	6.9	3.9	0.0	79.1	1	
11	0	-116	1	-3	0	-0	0	37.7	2.2	2.4	0.0	39.9	1	
12	0	-79	1	-3	0	0	0	25.8	1.2	2.4	0.0	27.1	6	
13	0	-147	1	-3	0	-0	-0	47.6	5.0	2.4	0.0	52.6	1	
14	0	-280	3	-1	0	-0	-0	91.0	6.0	2.5	0.0	97.0	1	
15	0	-140	2	-1	0	-0	0	45.3	0.7	1.5	0.0	46.0	1	
16	0	-102	2	-1	0	0	0	33.2	2.8	1.4	0.0	36.0	1	
17	0	-187	2	-1	0	-0	-0	60.7	4.8	1.5	0.0	65.5	1	
1A	82	-184	-0	-0	0	-0	1	59.6	51.1	0.0	0.0	110.7	6	
1E	82	-182	-0	-0	0	-0	1	59.0	51.1	0.0	0.0	110.1	6	
1I	82	-183	-0	-0	0	-0	1	59.4	51.1	0.0	0.0	110.5	6	
1M	82	-182	-0	-0	0	-0	1	59.2	51.1	0.0	0.0	110.3	6	
2	82	-151	-0	0	0	2	1	49.1	129.9	0.0	0.0	179.0	1	
3	82	-72	-0	0	0	1	1	23.3	82.2	0.0	0.0	105.5	1	
4	82	-47	-0	0	0	1	1	15.1	83.3	0.0	0.0	98.4	1	
5	82	-101	-0	0	0	1	1	32.9	80.8	0.0	0.0	113.8	1	
6	82	-298	-0	-0	0	0	1	96.9	75.5	0.0	0.0	172.4	6	
7	82	-151	-0	0	0	0	1	49.1	48.1	0.0	0.0	97.1	6	
8	82	-133	-0	0	0	0	1	43.1	48.5	0.0	0.0	91.6	6	
9	82	-197	0	-0	0	0	1	64.0	46.9	0.0	0.0	110.9	6	
10	82	-219	0	-0	0	2	1	71.1	126.0	0.0	0.0	197.2	1	
11	82	-114	-0	-0	0	1	1	37.1	79.7	0.0	0.0	116.8	1	
12	82	-77	-0	0	0	1	1	25.1	81.4	0.0	0.0	106.5	1	
13	82	-145	0	-0	0	1	1	47.0	78.4	0.0	0.0	125.4	1	
14	82	-279	0	-0	0	0	1	90.6	80.5	0.0	0.0	171.1	6	
15	82	-139	-0	-0	0	0	1	45.0	48.0	0.0	0.0	93.1	6	
16	82	-102	-0	0	0	0	1	33.0	49.0	0.0	0.0	81.9	6	
17	82	-186	0	-0	0	0	1	60.4	46.9	0.0	0.0	107.3	6	
1A	164	-183	-2	-0	0	-0	0	59.5	0.5	1.8	0.0	59.9	1	
1E	164	-181	-2	-0	0	-0	0	58.9	0.5	1.8	0.0	59.3	1	
1I	164	-183	-2	-0	0	-0	0	59.3	0.4	1.8	0.0	59.7	1	
1M	164	-182	-2	-0	0	-0	0	59.0	0.4	1.8	0.0	59.5	1	
2	164	-148	-2	4	0	-0	-0	48.0	2.1	3.9	0.0	50.1	6	
3	164	-70	-1	3	0	-0	-0	22.6	1.5	2.4	0.0	24.1	6	
4	164	-44	-1	3	0	-0	-0	14.4	1.7	2.4	0.0	16.2	6	
5	164	-99	-1	3	0	-0	-0	32.2	1.3	2.4	0.0	33.5	6	
6	164	-297	-3	1	0	-0	-0	96.5	1.3	2.4	0.0	97.7	1	
7	164	-150	-2	1	0	-0	-0	48.8	1.0	1.5	0.0	49.8	6	
8	164	-132	-2	1	0	-0	-0	42.8	1.2	1.5	0.0	44.0	6	
9	164	-196	-2	1	0	-0	-0	63.8	0.8	1.5	0.0	64.5	1	
10	164	-216	-2	4	0	-0	-0	70.0	1.5	3.8	0.0	71.6	1	
11	164	-112	-1	3	0	-0	-0	36.4	1.0	2.4	0.0	37.4	1	
12	164	-75	-1	3	0	-0	-0	24.5	1.1	2.4	0.0	25.6	6	
13	164	-143	-1	3	0	-0	-0	46.3	0.9	2.4	0.0	47.2	1	
14	164	-278	-3	1	0	-0	-0	90.1	0.8	2.5	0.0	90.9	6	
15	164	-138	-2	1	0	-0	-0	44.7	0.8	1.5	0.0	45.5	6	
16	164	-101	-2	1	0	-0	-0	32.7	1.1	1.5	0.0	33.8	6	
17	164	-185	-2	1	0	-0	-0	60.2	0.4	1.5	0.0	60.6	1	

ASTA NUM. 116 NI 241 NF 240 Lungh. 132.6 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	3.3833	3.3833 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	94	2	-0	0	-0	-0	21.9	7.0	1.5	0.0	28.8	1	
1E	0	95	2	-0	0	-0	-0	22.1	7.0	1.5	0.0	29.0	1	
1I	0	93	2	-0	0	-0	-0	21.7	7.2	1.5	0.0	28.8	1	
1M	0	96	2	-0	0	-0	-0	22.3	7.2	1.5	0.0	29.5	1	
2	0	122	3	-6	0	0	0	28.4	3.3	4.2	0.0	31.7	1	
3	0	76	2	-4	0	0	0	17.7	5.6	2.5	0.0	23.3	1	
4	0	76	2	-4	0	0	0	17.7	9.5	2.4	0.0	27.2	1	
5	0	76	2	-4	0	0	0	17.7	1.0	2.6	0.0	18.7	4	
6	0	172	3	-2	0	-0	-0	39.9	9.5	2.1	0.0	49.4	1	
7	0	108	2	-1	0	-0	0	24.9	0.4	1.3	0.0	25.3	1	
8	0	108	2	-1	0	0	0	24.9	2.4	1.2	0.0	27.3	1	
9	0	107	2	-1	0	-0	-0	24.9	7.6	1.4	0.0	32.5	1	
10	0	106	3	-7	0	-0	-0	24.7	10.0	4.5	0.0	34.7	1	
11	0	67	2	-4	0	-0	-0	15.4	2.7	2.7	0.0	18.2	1	
12	0	66	2	-4	0	0	0	15.4	2.9	2.6	0.0	18.3	1	
13	0	66	2	-4	0	-0	-0	15.4	7.5	2.8	0.0	22.9	1	
14	0	154	3	-2	0	-0	-0	35.7	9.6	2.3	0.0	45.3	1	
15	0	97	2	-1	0	-0	0	22.5	0.4	1.3	0.0	22.9	1	
16	0	97	2	-1	0	0	0	22.5	5.2	1.2	0.0	27.7	1	
17	0	97	2	-1	0	-0	-0	22.5	7.9	1.4	0.0	30.4	1	
1A	66	94	0	-0	0	-0	1	21.9	24.4	0.0	0.0	46.3	6	
1E	66	95	0	-0	0	-0	1	22.1	24.4	0.0	0.0	46.5	6	
1I	66	93	0	-0	0	-0	1	21.7	24.4	0.0	0.0	46.1	6	
1M	66	96	0	-0	0	-0	1	22.3	24.4	0.0	0.0	46.7	6	
2	66	122	-0	0	0	2	1	28.4	77.9	0.3	0.0	106.3	1	
3	66	76	-0	0	0	1	1	17.7	48.7	0.3	0.0	66.4	1	
4	66	76	-0	1	0	1	1	17.7	48.7	0.4	0.0	66.4	1	
5	66	76	-0	0	0	1	1	17.7	48.7	0.2	0.0	66.4	1	
6	66	172	0	-0	0	0	1	39.9	35.0	0.0	0.0	74.9	6	
7	66	108	-0	0	0	0	1	24.9	21.9	0.1	0.0	46.8	6	
8	66	108	-0	0	0	0	1	24.9	21.9	0.2	0.0	46.8	6	
9	66	107	0	-0	0	0	1	24.9	21.9	0.0	0.0	46.8	6	
10	66	106	0	-0	0	2	1	24.7	77.9	0.1	0.0	102.6	1	
11	66	67	-0	0	0	1	1	15.4	48.6	0.1	0.0	64.1	1	
12	66	66	-0	0	0	1	1	15.4	48.6	0.2	0.0	64.1	1	
13	66	66	0	-0	0	1	1	15.4	48.6	0.1	0.0	64.1	1	
14	66	154	0	-0	0	0	1	35.7	37.4	0.0	0.0	73.1	6	
15	66	97	-0	0	0	0	1	22.5	21.8	0.1	0.0	44.4	6	
16	66	97	-0	0	0	0	1	22.5	21.8	0.3	0.0	44.3	6	
17	66	97	0	-0	0	0	1	22.5	21.8	0.1	0.0	44.3	6	
1A	133	94	-2	-0	0	-0	-0	21.9	4.6	1.5	0.0	26.5	1	
1E	133	95	-2	-0	0	-0	-0	22.1	4.6	1.5	0.0	26.7	1	
1I	133	93	-2	-0	0	-0	-0	21.7	4.4	1.5	0.0	26.1	1	
1M	133	96	-2	-0	0	-0	-0	22.3	4.4	1.5	0.0	26.7	1	
2	133	122	-3	7	0	-0	-0	28.4	19.2	4.7	0.0	47.6	1	
3	133	76	-2	5	0	-0	-0	17.7	15.5	3.0	0.0	33.3	1	
4	133	76	-2	5	0	-0	-0	17.7	19.4	3.1	0.0	37.1	1	
5	133	76	-2	4	0	-0	-0	17.7	10.9	2.9	0.0	28.6	1	
6	133	172	-3	2	0	-0	-0	39.9	9.0	2.1	0.0	49.0	1	
7	133	108	-2	1	0	-0	-0	24.9	11.1	1.4	0.0	36.1	1	
8	133	108	-2	1	0	-0	-0	24.9	14.0	1.4	0.0	38.9	1	
9	133	107	-2	1	0	-0	-0	24.9	4.0	1.3	0.0	28.9	1	
10	133	106	-3	6	0	-0	-0	24.7	5.9	4.4	0.0	30.6	1	
11	133	67	-2	4	0	-0	-0	15.4	7.2	2.8	0.0	22.6	1	
12	133	66	-2	4	0	-0	-0	15.4	12.9	3.0	0.0	28.3	1	
13	133	66	-2	4	0	-0	-0	15.4	2.5	2.7	0.0	17.9	1	
14	133	154	-3	2	0	-0	-0	35.7	9.1	2.3	0.0	44.8	1	
15	133	97	-2	1	0	-0	-0	22.5	11.2	1.4	0.0	33.7	1	
16	133	97	-2	1	0	-0	-0	22.5	16.9	1.5	0.0	39.4	1	
17	133	97	-2	1	0	-0	-0	22.5	3.8	1.3	0.0	26.3	1	

ASTA NUM. 117 NI 218 NF 241 Lungh. 5.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0628	-0.2657	--	--	3.0990	1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3707	8	55	0	2	-0	860.1	74.7	37.1	0.0	934.8	1	
1E	0	3719	8	55	0	2	-0	862.9	74.7	37.1	0.0	937.6	1	
1I	0	3697	7	55	0	2	-0	857.8	74.9	37.1	0.0	932.7	1	
1M	0	3729	7	55	0	2	-0	865.2	74.9	37.1	0.0	940.1	1	
2	0	3558	4	0	0	0	-0	825.5	9.2	3.0	0.0	834.8	1	
3	0	2223	3	-18	0	-0	-0	515.8	17.1	12.3	0.0	532.9	1	
4	0	2222	3	-38	0	-1	-0	515.5	41.3	25.9	0.0	556.8	1	
5	0	2224	3	6	0	0	-0	516.0	12.5	3.9	0.0	528.5	1	
6	0	5562	10	69	0	3	-0	1290.5	94.2	46.8	0.0	1384.7	1	
7	0	3475	6	15	0	1	-0	806.3	24.8	10.0	0.0	831.1	1	
8	0	3474	6	0	0	0	-0	806.0	7.7	4.2	0.0	813.7	6	
9	0	3477	6	52	0	2	-0	806.7	69.3	35.1	0.0	876.0	1	
10	0	39	2	71	0	3	0	9.0	94.8	47.8	0.0	103.8	1	
11	0	23	1	26	0	1	0	5.4	37.4	17.5	0.0	42.8	1	
12	0	22	1	-4	0	0	0	5.0	2.2	2.4	0.0	7.3	4	
13	0	25	1	50	0	2	0	5.7	66.8	34.1	0.0	72.5	1	
14	0	50	7	72	0	3	-0	11.7	97.0	48.4	0.0	108.7	1	
15	0	28	4	15	0	1	-0	6.4	24.6	10.3	0.0	31.0	1	
16	0	26	4	-15	0	-0	-0	6.1	12.3	9.9	0.0	19.7	4	
17	0	30	4	53	0	2	-0	6.9	70.3	36.1	0.0	77.3	1	
1A	3	3707	8	55	0	1	-0	860.1	26.3	37.1	0.0	886.4	1	
1E	3	3719	8	55	0	1	-0	862.9	26.3	37.1	0.0	889.2	1	

1I	3	3697	7	55	0	1	-0	857.8	26.8	37.1	0.0	884.5	1
1M	3	3729	7	55	0	1	-0	865.2	26.8	37.1	0.0	891.9	1
2	3	3558	4	0	0	0	0	825.5	8.8	3.0	0.0	834.3	1
3	3	2223	3	-18	0	-0	0	515.8	1.7	12.3	0.0	517.5	1
4	3	2222	3	-38	0	-0	0	515.5	9.0	25.9	0.0	524.5	1
5	3	2224	3	6	0	0	0	516.0	7.5	3.9	0.0	523.5	1
6	3	5562	10	69	0	1	-0	1290.5	33.1	46.8	0.0	1323.6	1
7	3	3475	6	15	0	0	-0	806.3	10.5	10.0	0.0	816.8	1
8	3	3474	6	0	0	0	-0	806.0	5.2	4.2	0.0	811.2	1
9	3	3477	6	52	0	1	-0	806.7	23.8	35.1	0.0	830.5	1
10	3	39	2	71	0	1	0	9.0	36.2	47.8	0.0	83.4	3
11	3	23	1	26	0	0	0	5.4	16.1	17.5	0.0	31.0	3
12	3	22	1	-4	0	0	0	5.0	5.5	2.4	0.0	10.6	1
13	3	25	1	50	0	1	0	5.7	24.8	34.1	0.0	59.5	3
14	3	50	7	72	0	1	0	11.7	36.7	48.4	0.0	84.8	3
15	3	28	4	15	0	0	0	6.5	11.8	10.3	0.0	20.2	4
16	3	26	4	-15	0	0	0	6.1	1.7	9.9	0.0	18.3	3
17	3	30	4	53	0	1	0	6.9	25.4	36.1	0.0	63.0	3
1A	5	3707	7	55	0	-1	0	860.1	22.1	37.1	0.0	882.1	1
1E	5	3719	7	55	0	-1	0	862.9	22.1	37.1	0.0	884.9	1
1I	5	3697	7	55	0	-1	0	857.8	21.4	37.1	0.0	879.2	1
1M	5	3729	7	55	0	-1	0	865.2	21.4	37.1	0.0	886.6	1
2	5	3558	4	0	0	0	0	825.5	9.9	2.9	0.0	835.4	1
3	5	2223	3	-18	0	0	0	515.8	15.0	12.3	0.0	530.8	1
4	5	2222	3	-38	0	1	0	515.5	24.7	25.9	0.0	540.2	1
5	5	2224	3	6	0	0	0	516.0	4.1	3.9	0.0	520.1	6
6	5	5562	10	69	0	-1	0	1290.5	28.0	46.8	0.0	1318.5	1
7	5	3475	6	15	0	-0	0	806.3	5.3	10.0	0.0	811.5	6
8	5	3474	6	0	0	0	0	806.0	6.6	4.1	0.0	812.6	1
9	5	3477	6	52	0	-1	0	806.7	21.7	35.1	0.0	828.4	1
10	5	39	2	71	0	-1	0	9.0	26.8	47.8	0.0	83.5	3
11	5	23	1	26	0	-0	0	5.4	7.9	17.5	0.0	31.1	3
12	5	22	1	-4	0	0	0	5.1	8.9	2.4	0.0	14.0	1
13	5	25	1	50	0	-1	0	5.7	19.8	34.1	0.0	59.5	3
14	5	51	7	72	0	-1	0	11.7	27.2	48.4	0.0	85.1	3
15	5	28	4	15	0	-0	0	6.5	5.2	10.3	0.0	19.5	3
16	5	26	4	-15	0	0	0	6.1	14.5	9.9	0.0	20.6	1
17	5	30	4	53	0	-1	0	6.9	21.6	36.1	0.0	63.1	3

ASTA NUM. 118 NI 241 NF 232 Lungh. 96.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0628	-0.2657	--	--	3.0990	1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3817	1	-0	0	-0	0	885.5	12.2	0.8	0.0	897.7	1	
1E	0	3827	1	-0	0	-0	0	888.0	12.2	0.8	0.0	900.2	1	
1I	0	3807	1	-0	0	-0	0	883.2	12.6	0.8	0.0	895.8	1	
1M	0	3837	1	-0	0	-0	0	890.3	12.6	0.8	0.0	902.9	1	
2	0	3659	1	0	0	0	0	849.0	6.6	0.7	0.0	855.5	6	
3	0	2272	1	0	0	0	0	527.1	8.3	0.4	0.0	535.4	1	
4	0	2256	1	0	0	0	0	523.4	13.2	0.4	0.0	536.7	1	
5	0	2291	1	0	0	0	0	531.6	3.6	0.4	0.0	535.2	6	
6	0	5742	2	-0	0	-0	0	1332.3	16.3	1.0	0.0	1348.6	1	
7	0	3567	1	-0	0	-0	0	827.6	4.9	0.6	0.0	832.5	6	
8	0	3555	1	0	0	0	0	824.8	5.0	0.6	0.0	829.8	6	
9	0	3596	1	-0	0	-0	0	834.3	12.4	0.6	0.0	846.7	1	
10	0	181	1	-0	0	-0	0	41.9	13.8	0.8	0.0	55.7	1	
11	0	98	1	-0	0	-0	0	22.8	4.5	0.5	0.0	27.3	6	
12	0	75	1	0	0	0	0	17.4	5.6	0.5	0.0	23.0	1	
13	0	118	1	-0	0	-0	0	27.3	10.2	0.5	0.0	37.5	1	
14	0	219	2	-0	0	-0	0	50.9	15.1	1.2	0.0	66.0	1	
15	0	112	1	-0	0	-0	0	26.0	4.7	0.7	0.0	30.7	6	
16	0	88	1	0	0	0	0	20.5	8.2	0.7	0.0	28.7	1	
17	0	142	1	-0	0	-0	0	33.0	11.7	0.7	0.0	44.8	1	
1A	48	3817	-0	-0	0	-0	0	885.6	14.7	0.2	0.0	900.4	6	
1E	48	3828	-0	-0	0	-0	0	888.2	14.7	0.2	0.0	902.9	6	
1I	48	3807	-0	-0	0	-0	0	883.3	15.0	0.2	0.0	898.3	6	
1M	48	3838	-0	-0	0	-0	0	890.4	15.0	0.2	0.0	905.4	6	
2	48	3662	-0	0	0	0	0	849.5	11.8	0.2	0.0	861.4	6	
3	48	2274	-0	0	0	0	0	527.6	8.2	0.1	0.0	535.8	6	
4	48	2258	-0	0	0	0	0	523.9	9.1	0.2	0.0	533.0	6	
5	48	2293	-0	0	0	0	0	532.0	7.2	0.1	0.0	539.2	6	
6	48	5744	-0	-0	0	-0	0	1332.6	18.5	0.3	0.0	1351.1	6	
7	48	3567	-0	-0	0	-0	0	827.7	10.3	0.2	0.0	838.0	6	
8	48	3555	-0	0	0	0	0	824.9	10.7	0.2	0.0	835.7	6	
9	48	3597	-0	-0	0	-0	0	834.6	11.9	0.2	0.0	846.5	6	
10	48	183	-0	-0	0	-0	0	42.5	16.2	0.2	0.0	58.7	6	
11	48	100	-0	-0	0	-0	0	23.2	9.3	0.1	0.0	32.5	6	
12	48	77	-0	0	0	0	0	17.8	9.6	0.1	0.0	27.3	6	
13	48	119	-0	-0	0	-0	0	27.7	10.4	0.2	0.0	38.1	6	
14	48	221	-0	-0	0	-0	1	51.2	22.9	0.3	0.0	74.1	6	
15	48	113	-0	-0	0	-0	0	26.2	12.2	0.1	0.0	38.4	6	
16	48	89	-0	0	0	0	0	20.7	13.3	0.1	0.0	34.1	6	
17	48	143	-0	-0	0	-0	0	33.2	13.9	0.2	0.0	47.1	6	
1A	96	3818	-2	-0	0	0	-0	885.7	3.7	1.2	0.0	889.4	6	
1E	96	3828	-2	-0	0	0	-0	888.3	3.7	1.2	0.0	892.0	6	
1I	96	3808	-2	-0	0	0	-0	883.5	3.7	1.2	0.0	887.2	6	
1M	96	3838	-2	-0	0	0	-0	890.6	3.7	1.2	0.0	894.3	6	
2	96	3664	-2	0	0	0	-0	850.1	4.5	1.1	0.0	854.6	6	
3	96	2276	-1	0	0	0	-0	528.1	2.8	0.7	0.0	530.9	6	
4	96	2260	-1	0	0	0	-0	524.4	2.7	0.7	0.0	527.1	6	
5	96	2295	-1	0	0	0	-0	532.5	2.8	0.7	0.0	535.3	6	
6	96	5745	-2	-0	0	0	-0	1332.9	5.4	1.5	0.0	1338.4	6	
7	96	3568	-1	-0	0	0	-0	827.8	3.3	1.0	0.0	831.2	6	
8	96	3556	-1	0	0	0	-0	825.1	3.3	1.0	0.0	828.3	6	
9	96	3598	-1	-0	0	0	-0	834.8	3.4	1.0	0.0	838.2	6	
10	96	186	-1	-0	0	-0	0	43.1	1.4	1.0	0.0	44.5	6	
11	96	102	-1	-0	0	-0	0	23.6	0.9	0.6	0.0	24.5	6	
12	96	78	-1	0	0	-0	0	18.2	1.0	0.6	0.0	19.1	6	
13	96	121	-1	-0	0	-0	0	28.1	0.9	0.6	0.0	29.0	6	
14	96	222	-2	-0	0	0	0	51.5	1.3	1.5	0.0	52.8	6	
15	96	114	-1	-0	0	0	0	26.4	0.8	0.9	0.0	27.2	6	
16	96	90	-1	0	0	0	0	20.9	0.8	0.9	0.0	21.7	6	
17	96	144	-1	-0	0	0	0	33.4	0.8	0.9	0.0	34.2	6	

ASTA NUM. 119 NI 219 NF 240 Lungh. 5.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0628	-0.2657	--	--	3.0990	1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3706	8	-36	0	-1	-0	859.8	51.7	24.2	0.0	911.6	1	
1E	0	3718	8	-36	0	-1	-0	862.7	51.7	24.2	0.0	914.4	1	
1I	0	3696	7	-36	0	-1	-0	857.5	51.1	24.3	0.0	908.7	1	
1M	0	3728	7	-36	0	-1	-0	865.0	51.1	24.3	0.0	916.1	1	
2	0	3565	5	-119	0	-5	-0	827.1	151.8	80.5	0.0	978.9	1	
3	0	2229	3	-93	0	-3	-0	517.2	116.7	62.6	0.0	633.9	1	
4	0	2230	3	-113	0	-4	-0	517.4	140.8	76.2	0.0	658.2	1	
5	0	2228	3	-69	0	-3	-0	516.9	88.0	46.4	0.0	604.9	1	
6	0	5562	10	-67	0	-3	-0	1290.5	92.6	45.7	0.0	1383.0	1	
7	0	3478	6	-71	0	-3	-0	807.0	91.8	47.7	0.0	898.7	1	
8	0	3479	6	-85	0	-3	-0	807.2	109.4	57.7	0.0	916.6	1	
9	0	3476	6	-33	0	-1	-0	806.5	47.3	22.6	0.0	853.8	1	
10	0	37	2	-50	0	-2	0	8.7	70.7	34.0	0.0	79.4	1	
11	0	24	1	-50	0	-2	0	5.7	66.0	33.6	0.0	71.7	1	
12	0	26	1	-79	0	-3	0	6.0	101.2	53.4	0.0	107.2	1	
13	0	23	1	-25	0	-1	0	5.4	36.6	16.9	0.0	41.9	1	
14	0	50	7	-70	0	-3	-0	11.6	95.4	47.3	0.0	107.0	1	
15	0	31	4	-71	0	-3	-0	7.1	91.5	47.9	0.0	98.7	1	
16	0	32	4	-101	0	-4	-0	7.5	127.1	68.1	0.0	134.6	1	
17	0	29	4	-33	0	-1	-0	6.6	45.8	22.1	0.0	52.4	1	
1A	3	3706	8	-36	0	-1	-0	859.8	19.4	24.2	0.0	879.2	1	
1E	3	3718	8	-36	0	-1	-0	862.7	19.4	24.2	0.0	882.0	1	
1I	3	3696	7	-36	0	-1	-0	857.5	18.9	24.3	0.0	876.4	1	
1M	3	3728	7	-36	0	-1	-0	865.0	18.9	24.3	0.0	883.8	1	
2	3	3565	4	-119	0	-2	0	827.1	52.0	80.5	0.0	879.2	1	
3	3	2229	3	-93	0	-1	0	517.2	39.0	62.6	0.0	556.2	1	
4	3	2230	3	-113	0	-1	0	517.4	46.2	76.2	0.0	563.6	1	
5	3	2228	3	-69	0	-1	0	516.9	30.5	46.4	0.0	547.4	1	
6	3	5562	10	-67	0	-1	-0	1290.5	32.9	45.7	0.0	1323.4	1	
7	3	3478	6	-71	0	-1	-0	807.0	30.7	47.7	0.0	837.6	1	
8	3	3479	6	-85	0	-1	-0	807.2	35.9	57.7	0.0	843.1	1	
9	3	3476	6	-33	0	-1	-0	806.5	17.4	22.6	0.0	823.9	1	
10	3	38	2	-50	0	-1	0	8.7	29.2	34.0	0.0	59.7	3	
11	3	24	1	-50	0	-1	0	5.7	24.8	33.6	0.0	58.5	3	
12	3	26	1	-79	0	-1	0	6.0	35.3	53.4	0.0	92.8	3	
13	3	23	1	-25	0	-0	0	5.4	16.0	16.9	0.0	29.9	3	
14	3	50	7	-70	0	-1	0	11.6	36.4	47.3	0.0	82.8	3	
15	3	31	4	-71	0	-1	0	7.1	31.9	47.9	0.0	83.4	3	
16	3	32	4	-101	0	-1	0	7.5	42.5	68.1	0.0	118.2	3	
17	3	29	4	-33	0	-1	0	6.7	18.2	22.1	0.0	38.9	3	
1A	5	3706	7	-36	0	0	0	859.8	13.0	24.2	0.0	872.8	1	
1E	5	3718	7	-36	0	0	0	862.7	13.0	24.2	0.0	875.6	1	
1I	5	3696	7	-36	0	0	0	857.5	13.4	24.3	0.0	870.9	1	
1M	5	3728	7	-36	0	0	0	865.0	13.4	24.3	0.0	878.3	1	
2	5	3565	4	-119	0	1	0	827.1	50.6	80.5	0.0	877.8	1	
3	5	2229	3	-93	0	1	0	517.2	40.4	62.6	0.0	557.6	1	
4	5	2230	3	-113	0	1	0	517.4	50.1	76.2	0.0	567.5	1	
5	5	2228	3	-69	0	1	0	516.9	28.9	46.4	0.0	545.8	1	
6	5	5562	10	-67	0	1	0	1290.5	26.8	45.7	0.0	1317.3	1	

7	5	3478	6	-71	0	1	0	807.0	30.4	47.7	0.0	837.4	1
8	5	3479	6	-85	0	1	0	807.2	37.5	57.7	0.0	844.7	1
9	5	3476	6	-33	0	0	0	806.5	12.5	22.6	0.0	819.0	1
10	5	38	2	-50	0	0	0	8.7	16.5	34.0	0.0	59.8	3
11	5	25	1	-50	0	1	0	5.7	19.1	33.6	0.0	58.5	3
12	5	26	1	-79	0	1	0	6.1	33.3	53.4	0.0	92.8	3
13	5	23	1	-25	0	0	0	5.4	7.2	16.9	0.0	30.0	3
14	5	50	7	-70	0	1	0	11.7	26.0	47.3	0.0	83.2	3
15	5	31	4	-71	0	1	0	7.1	29.8	47.9	0.0	83.5	3
16	5	32	4	-101	0	1	0	7.5	44.1	68.1	0.0	118.3	3
17	5	29	4	-33	0	0	0	6.7	11.4	22.1	0.0	39.2	3

ASTA NUM. 120 NI 240 NF 237 Lungh. 96.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.0628	-0.2657	--	--	3.0990	1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3805	1	0	0	0	0	882.7	9.1	0.8	0.0	891.9	1	
1E	0	3815	1	0	0	0	0	885.3	9.1	0.8	0.0	894.4	1	
1I	0	3795	1	0	0	0	0	880.4	9.0	0.8	0.0	889.4	1	
1M	0	3825	1	0	0	0	0	887.5	9.0	0.8	0.0	896.5	1	
2	0	3754	1	1	0	1	0	871.0	26.6	0.7	0.0	897.5	1	
3	0	2361	1	1	0	1	0	547.8	21.1	0.5	0.0	568.9	1	
4	0	2377	1	1	0	1	0	551.5	26.0	0.5	0.0	577.6	1	
5	0	2342	1	0	0	0	0	543.4	15.2	0.5	0.0	558.6	1	
6	0	5741	2	0	0	0	0	1332.0	15.7	1.0	0.0	1347.7	1	
7	0	3611	1	1	0	0	0	837.8	16.8	0.6	0.0	854.6	1	
8	0	3622	1	1	0	1	0	840.4	20.4	0.6	0.0	860.8	1	
9	0	3581	1	0	0	0	0	830.9	7.7	0.6	0.0	838.5	1	
10	0	164	1	0	0	0	0	38.1	8.6	0.8	0.0	46.7	1	
11	0	117	1	0	0	0	0	27.1	9.9	0.5	0.0	37.0	1	
12	0	140	1	0	0	0	0	32.5	17.1	0.5	0.0	49.6	1	
13	0	97	1	0	0	0	0	22.6	4.3	0.5	0.0	26.9	6	
14	0	218	2	0	0	0	0	50.5	14.5	1.2	0.0	65.0	1	
15	0	156	1	0	0	0	0	36.2	15.9	0.7	0.0	52.1	1	
16	0	180	1	1	0	1	0	41.7	23.2	0.7	0.0	64.9	1	
17	0	126	1	0	0	0	0	29.2	6.5	0.7	0.0	35.7	1	
1A	48	3805	-0	0	0	0	0	882.8	14.1	0.2	0.0	896.9	6	
1E	48	3816	-0	0	0	0	0	885.4	14.1	0.2	0.0	899.4	6	
1I	48	3795	-0	0	0	0	0	880.6	14.2	0.2	0.0	894.7	6	
1M	48	3826	-0	0	0	0	0	887.7	14.2	0.2	0.0	901.8	6	
2	48	3757	-0	1	0	0	0	871.6	16.2	0.5	0.0	887.8	1	
3	48	2362	-0	1	0	0	0	548.1	12.4	0.4	0.0	560.5	1	
4	48	2378	-0	1	0	0	0	551.9	14.8	0.5	0.0	566.7	1	
5	48	2343	-0	0	0	0	0	543.7	9.9	0.3	0.0	553.6	6	
6	48	5743	-0	0	0	0	0	1332.4	18.2	0.3	0.0	1350.5	6	
7	48	3611	-0	1	0	0	0	837.9	12.6	0.3	0.0	850.5	6	
8	48	3623	-0	1	0	0	0	840.6	13.2	0.4	0.0	853.8	6	
9	48	3582	-0	0	0	0	0	831.1	11.0	0.2	0.0	842.1	6	
10	48	167	-0	0	0	0	0	38.7	15.1	0.1	0.0	53.7	6	
11	48	119	-0	0	0	0	0	27.5	10.2	0.2	0.0	37.7	6	
12	48	142	-0	0	0	0	0	32.9	11.5	0.3	0.0	44.4	6	
13	48	99	-0	0	0	0	0	23.0	9.1	0.1	0.0	32.1	6	
14	48	219	-0	0	0	0	1	50.9	22.6	0.3	0.0	73.5	6	
15	48	157	-0	0	0	0	0	36.4	14.5	0.3	0.0	50.9	6	
16	48	181	-0	1	0	0	0	41.9	15.8	0.5	0.0	57.7	6	
17	48	127	-0	0	0	0	0	29.4	12.8	0.1	0.0	42.2	6	
1A	96	3806	-2	0	0	-0	-0	883.0	3.9	1.2	0.0	886.9	6	
1E	96	3816	-2	0	0	-0	-0	885.5	3.9	1.2	0.0	889.4	6	
1I	96	3796	-2	0	0	-0	-0	880.7	3.9	1.2	0.0	884.6	6	
1M	96	3826	-2	0	0	-0	-0	887.8	3.9	1.2	0.0	891.7	6	
2	96	3759	-2	1	0	-0	-0	872.2	3.1	1.1	0.0	875.2	6	
3	96	2364	-1	1	0	-0	-0	548.5	1.9	0.7	0.0	550.4	6	
4	96	2380	-1	1	0	-0	-0	552.2	2.0	0.7	0.0	554.2	6	
5	96	2345	-1	0	0	-0	-0	544.1	1.9	0.7	0.0	546.0	6	
6	96	5744	-2	0	0	-0	-0	1332.7	5.8	1.5	0.0	1338.5	6	
7	96	3612	-1	1	0	-0	-0	838.1	3.7	1.0	0.0	841.7	6	
8	96	3624	-1	1	0	-0	-0	840.8	3.7	1.0	0.0	844.5	6	
9	96	3583	-1	0	0	-0	-0	831.3	3.6	1.0	0.0	834.9	6	
10	96	169	-1	0	0	0	0	39.3	1.1	1.0	0.0	40.4	6	
11	96	120	-1	0	0	0	0	27.9	0.6	0.6	0.0	28.5	6	
12	96	144	-1	0	0	-0	0	33.3	0.6	0.6	0.0	33.9	6	
13	96	101	-1	0	0	0	0	23.4	0.7	0.6	0.0	24.1	6	
14	96	221	-2	0	0	-0	0	51.2	0.9	1.5	0.0	52.1	6	
15	96	158	-1	0	0	-0	0	36.6	0.6	0.9	0.0	37.2	6	
16	96	181	-1	1	0	-0	0	42.1	0.6	0.9	0.0	42.7	1	
17	96	128	-1	0	0	-0	0	29.6	0.6	0.9	0.0	30.2	6	

ASTA NUM. 121 NI 217 NF 237 Lungh. 40.5 cm SEZ. 6 Ps L 40X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	13	-0	0	0	0	0	4.1	3.3	0.2	0.0	7.4	1	
1E	0	13	-0	0	0	0	0	4.3	3.3	0.2	0.0	7.7	1	
1I	0	12	-0	0	0	0	0	4.0	3.5	0.2	0.0	7.4	1	
1M	0	14	-0	0	0	0	0	4.5	3.5	0.2	0.0	8.0	1	
2	0	18	0	-1	0	0	0	5.7	2.3	1.2	0.0	8.0	1	
3	0	11	0	-1	0	0	0	3.6	1.5	0.8	0.0	5.1	1	
4	0	11	0	-1	0	0	0	3.5	1.6	0.8	0.0	5.2	1	
5	0	11	0	-1	0	0	0	3.6	1.5	0.8	0.0	5.1	1	
6	0	19	-0	-0	0	0	0	6.0	4.5	0.1	0.0	10.5	1	
7	0	11	0	-0	0	0	0	3.7	2.9	0.1	0.0	6.6	1	
8	0	11	0	-0	0	0	0	3.7	3.0	0.1	0.0	6.7	1	
9	0	12	-0	-0	0	0	0	3.7	2.8	0.1	0.0	6.6	1	
10	0	17	0	-2	0	-0	0	5.6	1.5	1.4	0.0	7.1	1	
11	0	11	0	-1	0	-0	0	3.5	0.9	0.9	0.0	4.3	1	
12	0	11	0	-1	0	-0	0	3.4	0.8	0.9	0.0	4.2	1	
13	0	11	0	-1	0	-0	0	3.5	0.9	0.9	0.0	4.3	1	
14	0	19	0	-0	0	-0	0	6.0	1.2	0.4	0.0	7.2	1	
15	0	11	0	-0	0	-0	0	3.5	0.6	0.2	0.0	4.2	1	
16	0	11	0	-0	0	-0	0	3.5	0.6	0.2	0.0	4.1	1	
17	0	11	0	-0	0	-0	0	3.5	0.7	0.2	0.0	4.2	1	
1A	20	13	-0	0	0	0	-0	4.3	1.2	0.2	0.0	5.5	1	
1E	20	14	-0	0	0	0	-0	4.5	1.2	0.2	0.0	5.7	1	
1I	20	13	-0	0	0	0	-0	4.1	1.2	0.2	0.0	5.3	1	
1M	20	14	-0	0	0	0	-0	4.7	1.2	0.2	0.0	5.9	1	
2	20	18	0	0	0	0	0	6.0	10.1	0.1	0.0	16.1	1	
3	20	11	0	0	0	0	0	3.7	6.4	0.1	0.0	10.1	1	
4	20	11	0	0	0	0	0	3.7	6.4	0.1	0.0	10.1	1	
5	20	11	0	0	0	0	0	3.7	6.4	0.1	0.0	10.1	1	
6	20	19	-0	0	0	0	0	6.2	3.9	0.2	0.0	10.1	1	
7	20	12	0	0	0	0	0	3.9	2.5	0.1	0.0	6.4	1	
8	20	12	0	0	0	0	0	3.9	2.5	0.1	0.0	6.4	1	
9	20	12	-0	0	0	0	0	3.9	2.4	0.1	0.0	6.3	1	
10	20	18	0	-0	0	0	0	5.8	8.8	0.1	0.0	14.6	1	
11	20	11	0	-0	0	0	0	3.6	5.6	0.0	0.0	9.2	1	
12	20	11	0	-0	0	0	0	3.6	5.6	0.0	0.0	9.2	1	
13	20	11	0	-0	0	0	0	3.6	5.6	0.0	0.0	9.2	1	
14	20	19	0	-0	0	0	0	6.3	1.9	0.1	0.0	8.2	1	
15	20	11	0	-0	0	0	0	3.7	1.3	0.0	0.0	4.9	1	
16	20	11	0	-0	0	0	0	3.6	1.3	0.1	0.0	4.9	1	
17	20	11	0	-0	0	0	0	3.7	1.2	0.0	0.0	4.9	1	
1A	41	14	-0	0	0	-0	-0	4.4	1.1	0.2	0.0	5.6	1	
1E	41	14	-0	0	0	-0	-0	4.7	1.1	0.2	0.0	5.8	1	
1I	41	13	-0	0	0	-0	-0	4.3	1.1	0.2	0.0	5.4	1	
1M	41	15	-0	0	0	-0	-0	4.8	1.1	0.2	0.0	5.9	1	
2	41	19	0	2	0	-0	0	6.2	1.1	1.5	0.0	7.2	1	
3	41	12	0	1	0	-0	0	3.8	0.7	0.9	0.0	4.5	1	
4	41	12	0	1	0	-0	0	3.8	1.3	0.9	0.0	5.1	6	
5	41	12	0	1	0	-0	0	3.8	0.7	0.9	0.0	4.5	1	
6	41	20	-0	1	0	-0	0	6.5	1.5	0.5	0.0	7.9	1	
7	41	12	0	0	0	-0	0	4.0	0.9	0.3	0.0	4.9	1	
8	41	12	0	0	0	-0	0	4.0	0.9	0.3	0.0	4.9	1	
9	41	12	-0	0	0	-0	0	4.0	0.9	0.3	0.0	4.9	1	
10	41	19	0	1	0	0	0	6.0	0.2	1.3	0.0	6.4	4	
11	41	12	0	1	0	0	0	3.7	0.1	0.8	0.0	4.0	4	
12	41	11	0	1	0	0	0	3.7	1.0	0.8	0.0	4.8	6	
13	41	12	0	1	0	0	0	3.7	0.1	0.8	0.0	4.0	4	
14	41	20	0	0	0	0	0	6.5	0.3	0.3	0.0	6.8	1	
15	41	12	0	0	0	0	0	3.8	0.9	0.2	0.0	4.7	6	
16	41	12	0	0	0	0	0	3.8	1.5	0.2	0.0	5.3	6	
17	41	12	0	0	0	0	0	3.8	0.2	0.2	0.0	4.0	1	

ASTA NUM. 122 NI 127 NF 237 Lungh. 101.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7729	0.1932	--	--	2.2146	3.1808 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-29	1	0	0	0	0	9.5	0.2	1.0	0.0	9.7	5	
1E	0	-27	1	0	0	0	0	8.9	0.2	1.0	0.0	9.1	5	
1I	0	-31	1	0	0	0	0	10.0	0.2	1.0	0.0	10.3	4	
1M	0	-26	1	0	0	0	0	8.4	0.2	1.0	0.0	8.7	4	
2	0	-29	2	0	0	-0	0	9.4	2.0	2.0	0.0	11.4	6	
3	0	-18	1	0	0	-0	0	5.8	1.0	1.2	0.0	6.8	6	
4	0	-18	1	0	0	-0	0	5.8	0.8	1.2	0.0	6.6	6	
5	0	-18	1	0	0	-0	0	5.8	1.1	1.2	0.0	6.9	6	

6	0	-38	2	0	0	0	0	12.2	1.4	1.6	0.0	13.5	6
7	0	-23	1	0	0	0	0	7.6	0.1	1.0	0.0	7.8	5
8	0	-23	1	0	0	0	0	7.6	0.1	1.0	0.0	7.8	5
9	0	-23	1	0	0	-0	0	7.6	0.7	1.0	0.0	8.3	6
10	0	-29	2	0	0	0	0	9.4	4.7	1.9	0.0	14.1	6
11	0	-18	1	0	0	0	0	5.8	2.7	1.2	0.0	8.6	6
12	0	-18	1	0	0	0	0	5.8	2.6	1.2	0.0	8.4	6
13	0	-18	1	0	0	0	0	5.8	2.7	1.2	0.0	8.5	6
14	0	-40	2	0	0	0	0	12.9	5.3	1.6	0.0	18.2	6
15	0	-23	1	0	0	0	0	7.5	3.1	1.0	0.0	10.6	6
16	0	-23	1	0	0	0	0	7.5	3.0	1.0	0.0	10.4	6
17	0	-23	1	0	0	0	0	7.5	3.1	1.0	0.0	10.6	6
1A	50	-29	-0	0	0	-0	0	9.4	18.2	0.0	0.0	27.5	6
1E	50	-27	-0	0	0	-0	0	8.8	18.2	0.0	0.0	26.9	6
1I	50	-30	-0	0	0	-0	0	9.9	18.2	0.0	0.0	28.1	6
1M	50	-25	-0	0	0	-0	0	8.3	18.2	0.0	0.0	26.4	6
2	50	-30	-0	0	0	-0	1	9.6	35.8	0.0	0.0	45.4	6
3	50	-18	-0	0	0	-0	0	6.0	22.2	0.0	0.0	28.2	6
4	50	-18	-0	0	0	-0	0	5.9	22.1	0.0	0.0	28.0	6
5	50	-18	-0	0	0	-0	0	6.0	22.3	0.0	0.0	28.2	6
6	50	-37	-0	0	0	-0	0	12.1	28.2	0.0	0.0	40.2	6
7	50	-23	-0	0	0	-0	0	7.5	17.4	0.0	0.0	24.9	6
8	50	-23	-0	0	0	-0	0	7.5	17.3	0.0	0.0	24.8	6
9	50	-23	-0	0	0	-0	0	7.5	17.5	0.0	0.0	25.1	6
10	50	-30	-0	0	0	0	1	9.6	37.8	0.1	0.0	47.4	6
11	50	-18	-0	0	0	0	0	6.0	23.5	0.0	0.0	29.5	6
12	50	-18	-0	0	0	0	0	5.9	23.5	0.0	0.0	29.4	6
13	50	-18	-0	0	0	0	0	6.0	23.5	0.0	0.0	29.5	6
14	50	-39	-0	0	0	0	1	12.8	32.7	0.1	0.0	45.5	6
15	50	-23	-0	0	0	0	0	7.4	19.2	0.0	0.0	26.6	6
16	50	-23	-0	0	0	0	0	7.4	19.2	0.0	0.0	26.6	6
17	50	-23	-0	0	0	0	0	7.4	19.2	0.0	0.0	26.6	6
1A	101	-28	-1	0	0	-0	-0	9.2	1.4	1.1	0.0	10.6	1
1E	101	-26	-1	0	0	-0	-0	8.6	1.4	1.1	0.0	10.0	1
1I	101	-30	-1	0	0	-0	-0	9.7	1.3	1.1	0.0	11.1	1
1M	101	-25	-1	0	0	-0	-0	8.1	1.3	1.1	0.0	9.4	1
2	101	-30	-2	0	0	-0	-0	9.8	0.8	2.0	0.0	10.7	4
3	101	-19	-1	0	0	-0	-0	6.1	0.5	1.3	0.0	6.6	4
4	101	-19	-1	0	0	-0	-0	6.1	0.4	1.3	0.0	6.6	4
5	101	-19	-1	0	0	-0	-0	6.1	0.5	1.3	0.0	6.7	4
6	101	-37	-2	0	0	-0	-0	11.9	1.8	1.6	0.0	13.7	1
7	101	-23	-1	0	0	-0	-0	7.4	1.0	1.0	0.0	8.4	6
8	101	-23	-1	0	0	-0	-0	7.4	1.0	1.0	0.0	8.4	6
9	101	-23	-1	0	0	-0	-0	7.4	1.1	1.0	0.0	8.6	1
10	101	-30	-2	0	0	0	0	9.8	0.9	2.0	0.0	10.7	6
11	101	-19	-1	0	0	0	0	6.1	0.6	1.3	0.0	6.7	6
12	101	-19	-1	0	0	0	0	6.1	0.6	1.3	0.0	6.7	6
13	101	-19	-1	0	0	0	0	6.1	0.5	1.3	0.0	6.6	6
14	101	-39	-2	0	0	-0	0	12.7	1.1	1.7	0.0	13.7	6
15	101	-23	-1	0	0	-0	0	7.3	0.6	1.0	0.0	8.0	6
16	101	-23	-1	0	0	0	0	7.3	0.6	1.0	0.0	7.9	6
17	101	-23	-1	0	0	-0	0	7.3	0.7	1.0	0.0	8.0	6

ASTA NUM. 123 NI 216 NF 232 Lungh. 40.5 cm SEZ. 6 Ps L 40X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	13	0	0	0	0	0	4.1	3.6	0.2	0.0	7.6	1	
1E	0	13	0	0	0	0	0	4.3	3.6	0.2	0.0	7.9	1	
1I	0	12	0	0	0	0	0	3.9	3.7	0.2	0.0	7.6	1	
1M	0	14	0	0	0	0	0	4.5	3.7	0.2	0.0	8.1	1	
2	0	18	0	-1	0	0	0	5.9	2.6	1.2	0.0	8.5	1	
3	0	11	0	-1	0	0	0	3.6	1.7	0.8	0.0	5.4	1	
4	0	11	0	-1	0	0	0	3.6	1.7	0.8	0.0	5.3	1	
5	0	11	0	-1	0	0	0	3.6	1.7	0.8	0.0	5.4	1	
6	0	18	0	-0	0	0	0	5.9	4.8	0.1	0.0	10.7	1	
7	0	11	0	-0	0	0	0	3.7	3.1	0.1	0.0	6.8	1	
8	0	11	0	-0	0	0	0	3.7	3.1	0.1	0.0	6.8	1	
9	0	11	0	-0	0	0	0	3.7	3.1	0.1	0.0	6.8	1	
10	0	17	-0	-1	0	-0	0	5.5	1.1	1.4	0.0	6.6	1	
11	0	10	0	-1	0	-0	0	3.4	0.6	0.9	0.0	4.0	1	
12	0	10	0	-1	0	-0	0	3.4	0.6	0.9	0.0	4.0	1	
13	0	10	-0	-1	0	-0	0	3.4	0.6	0.9	0.0	3.9	1	
14	0	18	-0	-0	0	-0	0	6.0	0.8	0.4	0.0	6.8	1	
15	0	11	0	-0	0	-0	0	3.5	0.5	0.2	0.0	3.9	1	
16	0	11	0	-0	0	-0	0	3.5	0.5	0.2	0.0	4.0	1	
17	0	11	-0	-0	0	-0	0	3.5	0.4	0.2	0.0	3.9	1	
1A	20	13	0	0	0	0	-0	4.2	1.2	0.2	0.0	5.4	1	
1E	20	14	0	0	0	0	-0	4.5	1.2	0.2	0.0	5.6	1	
1I	20	13	0	0	0	0	-0	4.1	1.2	0.2	0.0	5.3	1	
1M	20	14	0	0	0	0	-0	4.6	1.2	0.2	0.0	5.8	1	
2	20	19	0	0	0	0	0	6.1	10.8	0.1	0.0	16.8	1	
3	20	12	0	0	0	0	0	3.8	6.8	0.1	0.0	10.6	1	
4	20	12	0	0	0	0	0	3.8	6.9	0.1	0.0	10.7	1	
5	20	12	0	0	0	0	0	3.8	6.6	0.1	0.0	10.3	1	
6	20	19	0	0	0	0	0	6.2	3.9	0.2	0.0	10.1	1	
7	20	12	0	0	0	0	0	3.8	2.5	0.2	0.0	6.3	1	
8	20	12	0	0	0	0	0	3.8	2.7	0.1	0.0	6.6	1	
9	20	12	0	0	0	0	0	3.8	2.5	0.1	0.0	6.3	1	
10	20	18	-0	-0	0	0	0	5.7	8.9	0.0	0.0	14.6	1	
11	20	11	0	-0	0	0	0	3.5	5.6	0.0	0.0	9.1	1	
12	20	11	0	-0	0	0	0	3.5	5.6	0.0	0.0	9.1	1	
13	20	11	-0	-0	0	0	0	3.5	5.6	0.0	0.0	9.1	1	
14	20	19	-0	-0	0	0	0	6.2	1.9	0.0	0.0	8.2	1	
15	20	11	0	-0	0	0	0	3.6	1.2	0.0	0.0	4.9	1	
16	20	11	0	-0	0	0	0	3.6	1.2	0.0	0.0	4.8	1	
17	20	11	-0	-0	0	0	0	3.6	1.3	0.0	0.0	4.9	1	
1A	41	14	0	0	0	-0	-0	4.4	1.4	0.2	0.0	5.8	1	
1E	41	14	0	0	0	-0	-0	4.6	1.4	0.2	0.0	6.0	1	
1I	41	13	0	0	0	-0	-0	4.2	1.3	0.2	0.0	5.6	1	
1M	41	15	0	0	0	-0	-0	4.8	1.3	0.2	0.0	6.1	1	
2	41	19	0	2	0	-0	0	6.3	2.2	1.5	0.0	8.5	6	
3	41	12	0	1	0	-0	0	3.9	1.7	0.9	0.0	5.6	6	
4	41	12	0	1	0	-0	0	3.9	2.1	0.9	0.0	6.0	6	
5	41	12	0	1	0	-0	0	3.9	1.2	0.9	0.0	5.1	6	
6	41	20	0	1	0	-0	0	6.4	2.2	0.6	0.0	8.6	1	
7	41	12	0	0	0	-0	0	4.0	1.7	0.4	0.0	5.6	6	
8	41	12	0	0	0	-0	0	4.0	2.0	0.4	0.0	6.0	6	
9	41	12	0	0	0	-0	0	4.0	1.1	0.4	0.0	5.1	1	
10	41	18	-0	1	0	-0	0	5.9	0.2	1.3	0.0	6.4	4	
11	41	11	0	1	0	-0	0	3.7	0.1	0.8	0.0	4.0	4	
12	41	11	0	1	0	-0	0	3.7	1.1	0.8	0.0	4.8	6	
13	41	11	-0	1	0	-0	0	3.7	0.1	0.8	0.0	3.9	4	
14	41	20	-0	0	0	-0	0	6.5	0.0	0.3	0.0	6.5	1	
15	41	12	0	0	0	-0	0	3.7	0.0	0.2	0.0	3.8	1	
16	41	12	0	0	0	-0	0	3.8	1.2	0.2	0.0	5.0	6	
17	41	12	-0	0	0	-0	0	3.8	0.0	0.2	0.0	3.8	4	

ASTA NUM. 124 NI 129 NF 232 Lungh. 101.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.7729	0.1932	--	--	2.2146	3.1808 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-29	1	-0	0	0	0	9.5	0.1	1.0	0.0	9.6	5	
1E	0	-27	1	-0	0	0	0	8.8	0.1	1.0	0.0	9.0	5	
1I	0	-31	1	-0	0	0	0	10.0	0.1	1.0	0.0	10.2	4	
1M	0	-26	1	-0	0	0	0	8.3	0.1	1.0	0.0	8.6	5	
2	0	-29	2	0	0	0	0	9.6	1.6	2.0	0.0	11.2	6	
3	0	-18	1	0	0	0	0	5.9	0.6	1.2	0.0	6.5	5	
4	0	-18	1	0	0	0	0	5.9	0.9	1.2	0.0	6.8	6	
5	0	-18	1	0	0	0	0	5.9	0.5	1.2	0.0	6.5	5	
6	0	-37	2	-0	0	0	0	12.1	1.2	1.6	0.0	13.3	6	
7	0	-23	1	-0	0	0	0	7.5	0.3	1.0	0.0	7.8	1	
8	0	-23	1	-0	0	0	0	7.5	0.3	1.0	0.0	7.8	1	
9	0	-23	1	-0	0	0	0	7.5	0.2	1.0	0.0	7.8	5	
10	0	-28	2	0	0	-0	0	9.2	4.2	2.0	0.0	13.4	6	
11	0	-18	1	0	0	0	0	5.7	2.4	1.2	0.0	8.1	6	
12	0	-18	1	0	0	0	0	5.7	2.5	1.2	0.0	8.2	6	
13	0	-18	1	0	0	-0	0	5.7	2.3	1.2	0.0	8.0	6	
14	0	-39	2	-0	0	-0	0	12.8	5.0	1.6	0.0	17.8	6	
15	0	-23	1	-0	0	-0	0	7.4	2.8	1.0	0.0	10.2	6	
16	0	-23	1	-0	0	-0	0	7.4	2.8	1.0	0.0	10.2	6	
17	0	-23	1	-0	0	-0	0	7.4	2.8	1.0	0.0	10.2	6	
1A	50	-29	-0	-0	0	0	0	9.3	18.1	0.0	0.0	27.4	6	
1E	50	-27	-0	-0	0	0	0	8.7	18.1	0.0	0.0	26.8	6	
1I	50	-30	-0	-0	0	0	0	9.8	18.2	0.0	0.0	28.0	6	
1M	50	-25	-0	-0	0	0	0	8.2	18.2	0.0	0.0	26.4	6	
2	50	-30	-0	0	0	0	1	9.8	35.3	0.0	0.0	45.0	6	
3	50	-19	-0	0	0	0	0	6.1	22.0	0.0	0.0	28.0	6	
4	50	-19	-0	0	0	0	0	6.1	22.0	0.0	0.0	28.1	6	
5	50	-19	-0	0	0	0	0	6.1	21.9	0.0	0.0	28.0	6	
6	50	-37	-0	-0	0	0	0	12.0	28.2	0.0	0.0	40.1	6	
7	50	-23	-0	-0	0	0	0	7.4	17.5	0.0	0.0	24.9	6	
8	50	-23	-0	-0	0	0	0	7.4	17.6	0.0	0.0	25.0	6	
9	50	-23	-0	-0	0	0	0	7.4	17.4	0.0	0.0	24.9	6	
10	50	-29	-0	0	0	-0	1	9.4	37.6	0.0	0.0	47.1	6	
11	50	-18	-0	0	0	-0	0	5.8	23.4	0.0	0.0	29.2	6	
12	50	-18	-0	0	0	0	0	5.8	23.4	0.0	0.0	29.3	6	
13	50	-18	-0	0	0	-0	0	5.8	23.4	0.0	0.0	29.2	6	
14	50	-39	-0	-0	0	-0	1	12.7	32.6	0.1	0.0	45.3	6	
15	50	-23	-0	-0	0	-0	0	7.3	19.1	0.0	0.0	26.4	6	

16	50	-23	-0	-0	0	0	0	7.3	19.2	0.0	0.0	26.5	6
17	50	-23	-0	-0	0	-0	0	7.3	19.1	0.0	0.0	26.5	6
1A	101	-28	-1	-0	0	0	-0	9.1	1.0	1.1	0.0	10.2	6
1E	101	-26	-1	-0	0	0	-0	8.5	1.0	1.1	0.0	9.5	6
1I	101	-30	-1	-0	0	0	-0	9.6	1.1	1.1	0.0	10.7	1
1M	101	-25	-1	-0	0	0	-0	8.0	1.1	1.1	0.0	9.1	1
2	101	-31	-2	0	0	0	-0	10.0	1.6	2.0	0.0	11.6	6
3	101	-19	-1	0	0	0	-0	6.2	1.0	1.3	0.0	7.2	6
4	101	-19	-1	0	0	0	-0	6.2	1.1	1.3	0.0	7.2	6
5	101	-19	-1	0	0	0	-0	6.2	1.0	1.3	0.0	7.2	6
6	101	-36	-2	-0	0	0	-0	11.8	1.6	1.6	0.0	13.5	1
7	101	-23	-1	-0	0	0	-0	7.3	1.1	1.0	0.0	8.5	1
8	101	-23	-1	-0	0	0	-0	7.4	1.2	1.0	0.0	8.5	1
9	101	-23	-1	-0	0	0	-0	7.4	1.0	1.0	0.0	8.3	1
10	101	-30	-2	0	0	-0	0	9.6	1.1	2.0	0.0	10.7	6
11	101	-18	-1	0	0	-0	0	6.0	0.7	1.3	0.0	6.7	6
12	101	-18	-1	0	0	0	0	6.0	0.6	1.3	0.0	6.6	6
13	101	-18	-1	0	0	-0	0	6.0	0.7	1.3	0.0	6.7	6
14	101	-39	-2	-0	0	0	0	12.5	1.2	1.7	0.0	13.7	6
15	101	-22	-1	-0	0	0	0	7.3	0.8	1.0	0.0	8.1	6
16	101	-22	-1	-0	0	0	0	7.3	0.9	1.0	0.0	8.1	6
17	101	-22	-1	-0	0	0	0	7.3	0.7	1.0	0.0	8.0	6

ASTA NUM. 125 NI 226 NF 220 Lungh. 81.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	217	1	-0	0	-0	-0	62.2	3.2	1.0	0.0	65.4	6	
1E	0	224	1	-0	0	-0	-0	64.2	3.2	1.0	0.0	67.4	6	
1I	0	219	1	-0	0	-0	-0	62.7	2.9	1.0	0.0	65.6	6	
1M	0	223	1	-0	0	-0	-0	63.8	2.9	1.0	0.0	66.7	6	
2	0	378	2	-0	0	-0	-0	108.3	4.0	1.4	0.0	112.3	6	
3	0	258	1	-0	0	-0	-0	73.8	2.4	0.9	0.0	76.3	6	
4	0	281	1	-0	0	-0	-0	80.6	2.4	0.9	0.0	83.0	6	
5	0	229	1	-0	0	-0	-0	65.7	2.5	0.9	0.0	68.3	6	
6	0	270	2	-0	0	-0	-0	77.4	4.5	1.4	0.0	81.9	6	
7	0	202	1	-0	0	-0	-0	57.9	2.7	0.9	0.0	60.6	6	
8	0	220	1	-0	0	-0	-0	62.9	2.7	0.9	0.0	65.5	6	
9	0	159	1	-0	0	-0	-0	45.4	2.8	0.9	0.0	48.2	6	
10	0	296	2	-0	0	-0	-0	84.8	5.6	1.4	0.0	90.3	6	
11	0	206	1	-0	0	-0	-0	59.1	3.4	0.9	0.0	62.5	6	
12	0	241	1	-0	0	-0	-0	69.0	3.3	0.9	0.0	72.3	6	
13	0	178	1	-0	0	-0	-0	50.9	3.5	0.9	0.0	54.4	6	
14	0	270	2	-0	0	-0	-0	77.3	5.7	1.5	0.0	82.9	6	
15	0	202	1	-0	0	-0	-0	57.9	3.2	0.9	0.0	61.0	6	
16	0	237	1	-0	0	-0	-0	67.9	3.0	0.9	0.0	71.0	6	
17	0	157	1	-0	0	-0	-0	45.0	3.3	0.9	0.0	48.3	6	
1A	40	217	0	-0	0	-0	0	62.2	10.1	0.1	0.0	72.4	6	
1E	40	224	0	-0	0	-0	0	64.2	10.1	0.1	0.0	74.4	6	
1I	40	219	0	-0	0	-0	0	62.7	10.3	0.1	0.0	73.0	6	
1M	40	223	0	-0	0	-0	0	63.8	10.3	0.1	0.0	74.1	6	
2	40	378	0	-0	0	-0	0	108.3	15.1	0.1	0.0	123.3	6	
3	40	258	0	-0	0	-0	0	73.8	9.5	0.1	0.0	83.3	6	
4	40	281	0	-0	0	-0	0	80.6	9.5	0.1	0.0	90.1	6	
5	40	229	0	-0	0	-0	0	65.7	9.4	0.1	0.0	75.1	6	
6	40	270	0	-0	0	-0	0	77.4	14.3	0.1	0.0	91.7	6	
7	40	202	0	-0	0	-0	0	57.9	9.0	0.1	0.0	66.9	6	
8	40	220	0	-0	0	-0	0	62.9	9.1	0.1	0.0	72.0	6	
9	40	159	0	-0	0	-0	0	45.4	8.9	0.1	0.0	54.3	6	
10	40	296	0	-0	0	-0	0	84.8	13.7	0.1	0.0	98.5	6	
11	40	206	0	-0	0	-0	0	59.1	8.6	0.1	0.0	67.8	6	
12	40	241	0	-0	0	-0	0	69.0	8.7	0.1	0.0	77.8	6	
13	40	178	0	-0	0	-0	0	50.9	8.6	0.1	0.0	59.4	6	
14	40	270	0	-0	0	-0	0	77.3	14.9	0.1	0.0	92.2	6	
15	40	202	0	-0	0	-0	0	57.9	8.8	0.1	0.0	66.7	6	
16	40	237	0	-0	0	-0	0	67.9	8.9	0.1	0.0	76.8	6	
17	40	157	0	-0	0	-0	0	45.0	8.7	0.1	0.0	53.7	6	
1A	81	217	-1	-0	0	0	-0	62.2	0.0	0.9	0.0	62.3	6	
1E	81	224	-1	-0	0	0	-0	64.2	0.0	0.9	0.0	64.3	6	
1I	81	219	-1	-0	0	0	-0	62.7	0.0	0.9	0.0	62.7	6	
1M	81	223	-1	-0	0	0	-0	63.8	0.0	0.9	0.0	63.8	6	
2	81	378	-1	-0	0	-0	0	108.3	1.3	1.2	0.0	109.5	6	
3	81	258	-1	-0	0	-0	0	73.8	0.9	0.7	0.0	74.7	6	
4	81	281	-1	-0	0	-0	0	80.6	0.9	0.7	0.0	81.5	6	
5	81	229	-1	-0	0	-0	0	65.7	0.8	0.7	0.0	66.5	6	
6	81	270	-1	-0	0	0	0	77.4	0.1	1.2	0.0	77.5	1	
7	81	202	-1	-0	0	0	0	57.9	0.1	0.8	0.0	58.0	1	
8	81	220	-1	-0	0	0	0	62.9	0.1	0.8	0.0	63.0	1	
9	81	159	-1	-0	0	0	0	45.4	0.1	0.8	0.0	45.5	1	
10	81	296	-1	-0	0	0	0	84.8	1.2	1.2	0.0	86.0	1	
11	81	206	-1	-0	0	0	0	59.1	0.7	0.7	0.0	59.9	1	
12	81	241	-1	-0	0	0	0	69.0	0.7	0.7	0.0	69.8	1	
13	81	178	-1	-0	0	0	0	50.9	0.7	0.7	0.0	51.6	1	
14	81	270	-2	-0	0	0	0	77.3	1.2	1.3	0.0	78.5	1	
15	81	202	-1	-0	0	0	0	57.9	0.8	0.7	0.0	58.6	1	
16	81	237	-1	-0	0	0	0	67.9	0.8	0.7	0.0	68.7	1	
17	81	157	-1	-0	0	0	0	45.0	0.8	0.7	0.0	45.8	1	

ASTA NUM. 126 NI 227 NF 220 Lungh. 81.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.7396	2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-229	1	0	0	0	-0	65.7	3.1	1.0	0.0	68.8	6	
1E	0	-222	1	0	0	0	-0	63.7	3.1	1.0	0.0	66.8	6	
1I	0	-228	1	0	0	0	-0	65.2	2.8	1.0	0.0	68.0	6	
1M	0	-224	1	0	0	0	-0	64.1	2.8	1.0	0.0	66.9	6	
2	0	-384	2	0	0	0	-0	110.1	5.6	1.4	0.0	115.7	6	
3	0	-262	1	0	0	0	-0	75.0	3.6	0.9	0.0	78.5	6	
4	0	-285	1	0	0	0	-0	81.7	3.6	0.9	0.0	85.4	6	
5	0	-234	1	0	0	0	-0	66.9	3.5	0.9	0.0	70.4	6	
6	0	-277	2	0	0	0	-0	79.5	4.3	1.4	0.0	83.8	6	
7	0	-207	1	0	0	0	-0	59.3	2.8	0.9	0.0	62.1	6	
8	0	-224	1	0	0	0	-0	64.2	2.9	0.9	0.0	67.1	6	
9	0	-163	1	0	0	0	-0	46.7	2.7	0.9	0.0	49.4	6	
10	0	-303	2	0	0	0	-0	86.8	5.3	1.4	0.0	92.1	6	
11	0	-211	1	0	0	0	-0	60.4	3.4	0.9	0.0	63.8	6	
12	0	-245	1	0	0	0	-0	70.3	3.5	0.9	0.0	73.8	6	
13	0	-182	1	0	0	0	-0	52.1	3.3	0.9	0.0	55.4	6	
14	0	-278	2	0	0	0	-0	79.6	5.5	1.5	0.0	85.1	6	
15	0	-207	1	0	0	0	-0	59.3	3.3	0.9	0.0	62.6	6	
16	0	-242	1	0	0	0	-0	69.3	3.4	0.9	0.0	72.7	6	
17	0	-162	1	0	0	0	-0	46.4	3.1	0.9	0.0	49.6	6	
1A	40	-229	0	0	0	0	0	65.7	10.2	0.1	0.0	75.9	6	
1E	40	-222	0	0	0	0	0	63.7	10.2	0.1	0.0	73.9	6	
1I	40	-228	0	0	0	0	0	65.2	10.3	0.1	0.0	75.6	6	
1M	40	-224	0	0	0	0	0	64.1	10.3	0.1	0.0	74.5	6	
2	40	-384	0	0	0	0	0	110.1	13.0	0.1	0.0	123.1	6	
3	40	-262	0	0	0	0	0	75.0	8.0	0.1	0.0	83.0	6	
4	40	-285	0	0	0	-0	0	81.7	8.0	0.1	0.0	89.7	6	
5	40	-234	0	0	0	0	0	66.9	8.1	0.1	0.0	75.0	6	
6	40	-277	0	0	0	0	0	79.5	14.3	0.1	0.0	93.8	6	
7	40	-207	0	0	0	0	0	59.3	8.8	0.1	0.0	68.1	6	
8	40	-224	0	0	0	0	0	64.2	8.8	0.1	0.0	73.0	6	
9	40	-163	0	0	0	0	0	46.7	8.9	0.1	0.0	55.7	6	
10	40	-303	0	0	0	0	0	86.8	13.8	0.1	0.0	100.5	6	
11	40	-211	0	0	0	-0	0	60.4	8.5	0.1	0.0	68.9	6	
12	40	-245	0	0	0	-0	0	70.3	8.4	0.1	0.0	78.7	6	
13	40	-182	0	0	0	0	0	52.1	8.6	0.1	0.0	60.7	6	
14	40	-278	0	0	0	0	0	79.6	14.9	0.1	0.0	94.5	6	
15	40	-207	0	0	0	0	0	59.3	8.6	0.1	0.0	67.9	6	
16	40	-242	0	0	0	0	0	69.3	8.5	0.1	0.0	77.8	6	
17	40	-162	0	0	0	0	0	46.4	8.7	0.1	0.0	55.2	6	
1A	81	-229	-1	0	0	-0	-0	65.7	0.2	0.9	0.0	65.8	1	
1E	81	-222	-1	0	0	-0	-0	63.7	0.2	0.9	0.0	63.8	1	
1I	81	-228	-1	0	0	-0	-0	65.2	0.2	0.9	0.0	65.4	1	
1M	81	-224	-1	0	0	-0	-0	64.1	0.2	0.9	0.0	64.3	1	
2	81	-384	-1	0	0	-0	-0	110.1	0.8	1.2	0.0	110.9	6	
3	81	-262	-1	0	0	-0	0	75.0	0.3	0.7	0.0	75.2	1	
4	81	-285	-1	0	0	-0	0	81.7	0.2	0.7	0.0	82.0	1	
5	81	-234	-1	0	0	-0	0	66.9	0.3	0.7	0.0	67.2	1	
6	81	-277	-1	0	0	-0	0	79.5	0.3	1.2	0.0	79.8	1	
7	81	-207	-1	0	0	-0	0	59.3	0.2	0.8	0.0	59.4	1	
8	81	-224	-1	0	0	-0	0	64.2	0.2	0.8	0.0	64.4	1	
9	81	-163	-1	0	0	-0	0	46.7	0.2	0.8	0.0	46.9	1	
10	81	-303	-1	0	0	-0	0	86.8	1.4	1.2	0.0	88.1	1	
11	81	-211	-1	0	0	-0	0	60.4	0.8	0.7	0.0	61.2	1	
12	81	-245	-1	0	0	-0	0	70.3	0.8	0.7	0.0	71.1	1	
13	81	-182	-1	0	0	-0	0	52.1	0.8	0.7	0.0	52.9	1	
14	81	-278	-2	0	0	-0	0	79.6	1.4	1.3	0.0	81.0	1	
15	81	-207	-1	0	0	-0	0	59.3	0.9	0.7	0.0	60.1	1	
16	81	-242	-1	0	0	-0	0	69.3	0.9	0.7	0.0	70.2	1	
17	81	-162	-1	0	0	-0	0	46.4	0.9	0.7	0.0	47.3	1	

ASTA NUM. 127 NI 222 NF 227 Lungh. 161.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	222	2	0	0	0	-0	63.5	1.2	1.9	0.0	64.7	6	
1E	0	232	2	0	0	0	-0	66.5	1.2	1.9	0.0	67.7	6	
1I	0	224	2	0	0	0	-0	64.3	1.1	1.9	0.0	65.4	6	
1M	0	229	2	0	0	0	-0	65.7	1.1	1.9	0.0	66.9	6	
2	0	389	3	0	0	0	-0	111.5	1.1	2.6	0.0	112.6	6	
3	0	265	2	0	0	0	-0	76.0	0.7	1.6	0.0	76.7	6	
4	0	290	2	0	0	0	-0	83.1	0.6	1.6	0.0	83.7	6	
5	0	236	2	0	0	0	-0	67.7	0.7	1.6	0.0	68.4	6	
6	0	280	3	0	0	0	-0	80.2	1.6	2.6	0.0	81.8	6	
7	0	209	2	0	0	0	-0	60.0	0.9	1.6	0.0	60.9	6	
8	0	227	2	0	0	0	-0	65.2	0.9	1.6	0.0	66.1	6	
9	0	164	2	0	0	0	-0	47.0	1.0	1.6	0.0	48.1	6	
10	0	306	3	-0	0	-0	-0	87.5	0.7	2.6	0.0	88.2	6	
11	0	213	2	-0	0	-0	0	61.1	0.2	1.6	0.0	61.2	1	
12	0	249	2	-0	0	-0	0	71.3	0.2	1.6	0.0	71.5	1	
13	0	183	2	-0	0	-0	0	52.5	0.2	1.6	0.0	52.6	1	
14	0	281	3	-0	0	-0	-0	80.6	0.8	2.8	0.0	81.4	6	
15	0	210	2	-0	0	-0	0	60.2	0.1	1.6	0.0	60.4	1	
16	0	247	2	-0	0	-0	0	70.6	0.1	1.6	0.0	70.8	1	
17	0	164	2	-0	0	-0	0	46.9	0.1	1.6	0.0	47.0	1	
1A	81	222	0	0	0	0	1	63.5	46.4	0.0	0.0	109.8	6	
1E	81	232	0	0	0	0	1	66.5	46.4	0.0	0.0	112.9	6	
1I	81	224	0	0	0	0	1	64.3	46.2	0.0	0.0	110.5	6	
1M	81	229	0	0	0	0	1	65.7	46.2	0.0	0.0	112.0	6	
2	81	389	0	0	0	-0	1	111.5	65.7	0.1	0.0	177.2	6	
3	81	265	0	0	0	-0	1	76.0	41.1	0.0	0.0	117.1	6	
4	81	290	0	0	0	-0	1	83.1	41.1	0.0	0.0	124.2	6	
5	81	236	0	0	0	-0	1	67.7	41.1	0.0	0.0	108.7	6	
6	81	280	0	0	0	-0	1	80.2	64.9	0.1	0.0	145.0	6	
7	81	209	0	0	0	-0	1	60.0	40.6	0.0	0.0	100.6	6	
8	81	227	0	0	0	-0	1	65.2	40.6	0.0	0.0	105.8	6	
9	81	164	0	0	0	-0	1	47.0	40.5	0.0	0.0	87.6	6	
10	81	306	0	-0	0	0	1	87.5	65.7	0.1	0.0	153.3	6	
11	81	213	0	-0	0	0	1	61.1	41.1	0.0	0.0	102.2	6	
12	81	249	0	-0	0	0	1	71.3	41.2	0.0	0.0	112.5	6	
13	81	183	0	-0	0	-0	1	52.5	41.1	0.0	0.0	93.5	6	
14	81	281	0	-0	0	-0	1	80.6	70.3	0.1	0.0	150.9	6	
15	81	210	0	-0	0	-0	1	60.2	41.0	0.0	0.0	101.3	6	
16	81	247	0	-0	0	-0	1	70.6	41.1	0.0	0.0	111.7	6	
17	81	164	0	-0	0	-0	1	46.9	41.0	0.0	0.0	87.8	6	
1A	162	222	-2	0	0	-0	0	63.5	2.8	1.8	0.0	66.2	6	
1E	162	232	-2	0	0	-0	0	66.5	2.8	1.8	0.0	69.3	6	
1I	162	224	-2	0	0	-0	0	64.3	2.5	1.8	0.0	66.8	6	
1M	162	229	-2	0	0	-0	0	65.7	2.5	1.8	0.0	68.3	6	
2	162	389	-3	0	0	-0	0	111.5	5.1	2.5	0.0	116.6	6	
3	162	265	-2	0	0	-0	0	76.0	3.2	1.6	0.0	79.2	6	
4	162	290	-2	0	0	-0	0	83.1	3.2	1.6	0.0	86.3	6	
5	162	236	-2	0	0	-0	0	67.7	3.2	1.6	0.0	70.9	6	
6	162	280	-3	0	0	-0	0	80.2	3.9	2.5	0.0	84.1	6	
7	162	209	-2	0	0	-0	0	60.0	2.5	1.6	0.0	62.5	6	
8	162	227	-2	0	0	-0	0	65.2	2.5	1.6	0.0	67.6	6	
9	162	164	-2	0	0	-0	0	47.0	2.4	1.6	0.0	49.5	6	
10	162	306	-3	-0	0	0	0	87.5	4.7	2.5	0.0	92.2	6	
11	162	213	-2	-0	0	0	0	61.1	3.0	1.6	0.0	64.0	6	
12	162	249	-2	-0	0	0	0	71.3	3.0	1.6	0.0	74.3	6	
13	162	183	-2	-0	0	0	0	52.5	2.9	1.6	0.0	55.4	6	
14	162	281	-3	-0	0	0	0	80.6	4.7	2.7	0.0	85.3	6	
15	162	210	-2	-0	0	0	0	60.2	2.7	1.6	0.0	62.9	6	
16	162	247	-2	-0	0	0	0	70.6	2.7	1.6	0.0	73.4	6	
17	162	164	-2	-0	0	0	0	46.9	2.7	1.6	0.0	49.5	6	

ASTA NUM. 128 NI 223 NF 226 Lungh. 161.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-224	2	-0	0	-0	-0	64.1	1.2	1.9	0.0	65.3	6	
1E	0	-213	2	-0	0	-0	-0	61.0	1.2	1.9	0.0	62.3	6	
1I	0	-221	2	-0	0	-0	-0	63.3	1.2	1.9	0.0	64.5	6	
1M	0	-216	2	-0	0	-0	-0	61.8	1.2	1.9	0.0	63.1	6	
2	0	-378	3	-0	0	-0	-0	108.2	1.9	2.6	0.0	110.1	6	
3	0	-258	2	-0	0	-0	-0	74.0	1.3	1.6	0.0	75.3	6	
4	0	-283	2	-0	0	-0	-0	81.0	1.3	1.6	0.0	82.4	6	
5	0	-229	2	-0	0	-0	-0	65.6	1.2	1.6	0.0	66.9	6	
6	0	-267	3	-0	0	-0	-0	76.4	1.8	2.6	0.0	78.3	6	
7	0	-201	2	-0	0	-0	-0	57.7	1.2	1.6	0.0	58.9	6	
8	0	-219	2	-0	0	-0	-0	62.9	1.3	1.6	0.0	64.1	6	
9	0	-156	2	-0	0	-0	-0	44.7	1.1	1.6	0.0	45.9	6	
10	0	-291	3	0	0	0	-0	83.5	0.8	2.6	0.0	84.3	6	
11	0	-204	2	0	0	0	-0	58.6	0.6	1.6	0.0	59.1	6	
12	0	-240	2	0	0	0	-0	68.9	0.7	1.6	0.0	69.5	6	
13	0	-174	2	0	0	0	0	50.0	0.1	1.6	0.0	50.1	5	
14	0	-265	3	0	0	0	-0	76.0	0.9	2.8	0.0	76.9	6	
15	0	-201	2	0	0	0	-0	57.5	0.6	1.6	0.0	58.1	6	
16	0	-237	2	-0	0	0	-0	67.9	0.7	1.6	0.0	68.6	6	
17	0	-154	2	0	0	0	0	44.2	0.1	1.6	0.0	44.3	5	
1A	81	-224	0	-0	0	0	1	64.1	46.4	0.0	0.0	110.5	6	
1E	81	-213	0	-0	0	0	1	61.0	46.4	0.0	0.0	107.4	6	
1I	81	-221	0	-0	0	0	1	63.3	46.2	0.0	0.0	109.5	6	
1M	81	-216	0	-0	0	0	1	61.8	46.2	0.0	0.0	108.0	6	
2	81	-378	0	-0	0	-0	1	108.2	64.6	0.1	0.0	172.8	6	
3	81	-258	0	-0	0	0	1	74.0	40.3	0.0	0.0	114.3	6	
4	81	-283	0	-0	0	0	1	81.0	40.3	0.0	0.0	121.4	6	
5	81	-229	0	-0	0	0	1	65.6	40.4	0.0	0.0	106.0	6	
6	81	-267	0	-0	0	0	1	76.4	64.8	0.1	0.0	141.3	6	
7	81	-201	0	-0	0	0	1	57.7	40.5	0.0	0.0	98.2	6	
8	81	-219	0	-0	0	0	1	62.9	40.5	0.0	0.0	103.3	6	
9	81	-156	0	-0	0	0	1	44.7	40.5	0.0	0.0	85.3	6	
10	81	-291	0	0	0	0	1	83.5	65.7	0.1	0.0	149.2	6	
11	81	-204	0	0	0	0	1	58.6	41.0	0.0	0.0	99.6	6	
12	81	-240	0	0	0	0	1	68.9	41.0	0.0	0.0	109.8	6	
13	81	-174	0	0	0	0	1	50.0	41.1	0.0	0.0	91.0	6	
14	81	-265	0	0	0	0	1	76.0	70.2	0.1	0.0	146.3	6	
15	81	-201	0	0	0	0	1	57.5	40.9	0.0	0.0	98.4	6	
16	81	-237	0	-0	0	0	1	67.9	40.8	0.0	0.0	108.7	6	
17	81	-154	0	0	0	0	1	44.2	41.0	0.0	0.0	85.1	6	
1A	162	-224	-2	-0	0	0	0	64.1	2.9	1.8	0.0	67.0	6	
1E	162	-213	-2	-0	0	0	0	61.0	2.9	1.8	0.0	64.0	6	
1I	162	-221	-2	-0	0	0	0	63.3	2.7	1.8	0.0	65.9	6	
1M	162	-216	-2	-0	0	0	0	61.8	2.7	1.8	0.0	64.5	6	
2	162	-378	-3	-0	0	0	0	108.2	3.7	2.5	0.0	111.9	6	
3	162	-258	-2	-0	0	0	0	74.0	2.3	1.6	0.0	76.3	6	
4	162	-283	-2	-0	0	0	0	81.0	2.3	1.6	0.0	83.3	6	
5	162	-229	-2	-0	0	0	0	65.6	2.3	1.6	0.0	68.0	6	
6	162	-267	-3	-0	0	0	0	76.4	4.0	2.5	0.0	80.5	6	
7	162	-201	-2	-0	0	0	0	57.7	2.5	1.6	0.0	60.2	6	
8	162	-219	-2	-0	0	0	0	62.9	2.5	1.6	0.0	65.4	6	
9	162	-156	-2	-0	0	0	0	44.7	2.5	1.6	0.0	47.2	6	
10	162	-291	-3	0	0	-0	0	83.5	4.6	2.5	0.0	88.1	6	
11	162	-204	-2	0	0	0	0	58.6	2.9	1.6	0.0	61.4	6	
12	162	-240	-2	0	0	0	0	68.9	2.9	1.6	0.0	71.7	6	
13	162	-174	-2	0	0	-0	0	50.0	2.9	1.6	0.0	52.9	6	
14	162	-265	-3	0	0	0	0	76.0	4.7	2.7	0.0	80.7	6	
15	162	-201	-2	0	0	0	0	57.5	2.6	1.6	0.0	60.1	6	
16	162	-237	-2	-0	0	0	0	67.9	2.6	1.6	0.0	70.5	6	
17	162	-154	-2	0	0	0	0	44.2	2.7	1.6	0.0	46.8	6	

ASTA NUM. 129 NI 222 NF 223 Lungh. 132.6 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	341	2	-0	0	0	0	97.8	0.2	1.5	0.0	98.1	1	
1E	0	343	2	-0	0	0	0	98.2	0.2	1.5	0.0	98.4	1	
1I	0	340	2	-0	0	0	0	97.4	0.2	1.5	0.0	97.6	1	
1M	0	344	2	-0	0	0	0	98.6	0.2	1.5	0.0	98.7	1	
2	0	494	3	-0	0	0	-0	141.5	0.8	2.1	0.0	142.3	6	
3	0	291	2	-0	0	0	0	83.4	0.1	1.3	0.0	83.5	1	
4	0	278	2	-0	0	0	0	79.8	0.1	1.3	0.0	79.8	1	
5	0	282	2	-0	0	0	0	80.8	0.1	1.3	0.0	80.8	1	
6	0	558	3	-0	0	0	0	160.0	0.2	2.1	0.0	160.2	1	
7	0	324	2	-0	0	0	0	92.8	0.1	1.3	0.0	92.9	1	
8	0	320	2	-0	0	0	0	91.6	0.1	1.3	0.0	91.7	1	
9	0	323	2	-0	0	0	0	92.4	0.1	1.3	0.0	92.6	1	
10	0	256	3	-0	0	-0	-0	73.4	1.5	2.1	0.0	74.9	6	
11	0	140	2	-0	0	-0	-0	40.1	0.9	1.3	0.0	41.0	6	
12	0	126	2	-0	0	-0	-0	36.2	0.9	1.3	0.0	37.1	6	
13	0	131	2	-0	0	-0	-0	37.4	0.9	1.3	0.0	38.4	6	
14	0	328	3	-0	0	0	-0	93.9	1.5	2.3	0.0	95.4	6	
15	0	178	2	-0	0	-0	-0	50.9	0.9	1.3	0.0	51.7	6	
16	0	170	2	-0	0	-0	-0	48.6	0.9	1.3	0.0	49.4	6	
17	0	174	2	-0	0	-0	-0	49.9	0.9	1.3	0.0	50.8	6	

1A	66	341	-0	-0	0	0	1	97.8	30.4	0.0	0.0	128.3	6
1E	66	343	-0	-0	0	0	1	98.2	30.4	0.0	0.0	128.6	6
1I	66	340	-0	-0	0	0	1	97.4	30.4	0.0	0.0	127.9	6
1M	66	344	-0	-0	0	0	1	98.6	30.4	0.0	0.0	129.0	6
2	66	494	0	-0	0	0	1	141.5	42.3	0.0	0.0	183.8	6
3	66	291	0	-0	0	0	1	83.4	26.4	0.0	0.0	109.9	6
4	66	278	0	-0	0	0	1	79.8	26.4	0.0	0.0	106.2	6
5	66	282	0	-0	0	0	1	80.8	26.4	0.0	0.0	107.2	6
6	66	558	-0	-0	0	0	1	160.0	42.6	0.0	0.0	202.5	6
7	66	324	-0	-0	0	0	1	92.8	26.6	0.0	0.0	119.4	6
8	66	320	-0	-0	0	0	1	91.6	26.6	0.0	0.0	118.2	6
9	66	323	0	-0	0	0	1	92.4	26.6	0.0	0.0	119.1	6
10	66	256	-0	-0	0	0	1	73.4	41.4	0.0	0.0	114.8	6
11	66	140	-0	-0	0	0	1	40.1	25.9	0.0	0.0	66.0	6
12	66	126	-0	-0	0	0	1	36.2	25.9	0.0	0.0	62.1	6
13	66	131	0	-0	0	0	1	37.4	25.9	0.0	0.0	63.3	6
14	66	328	-0	-0	0	0	1	93.9	44.5	0.0	0.0	138.3	6
15	66	178	-0	-0	0	0	1	50.9	25.9	0.0	0.0	76.8	6
16	66	170	-0	-0	0	0	1	48.6	25.9	0.0	0.0	74.5	6
17	66	174	0	-0	0	0	1	49.9	25.9	0.0	0.0	75.9	6
1A	133	341	-2	-0	0	0	0	97.8	0.2	1.5	0.0	98.1	1
1E	133	343	-2	-0	0	0	0	98.2	0.2	1.5	0.0	98.4	1
1I	133	340	-2	-0	0	0	0	97.4	0.3	1.5	0.0	97.8	1
1M	133	344	-2	-0	0	0	0	98.6	0.3	1.5	0.0	98.9	1
2	133	494	-3	-0	0	0	-0	141.5	0.8	2.1	0.0	142.4	6
3	133	291	-2	-0	0	0	0	83.4	0.3	1.3	0.0	83.7	1
4	133	278	-2	-0	0	0	0	79.8	0.3	1.3	0.0	80.1	1
5	133	282	-2	-0	0	0	0	80.8	0.3	1.3	0.0	81.1	1
6	133	558	-3	-0	0	0	0	160.0	0.5	2.1	0.0	160.5	1
7	133	324	-2	-0	0	0	0	92.8	0.3	1.3	0.0	93.1	1
8	133	320	-2	-0	0	0	0	91.6	0.3	1.3	0.0	91.9	1
9	133	323	-2	-0	0	0	0	92.4	0.3	1.3	0.0	92.7	1
10	133	256	-3	-0	0	0	-0	73.4	1.6	2.1	0.0	75.0	6
11	133	140	-2	-0	0	0	-0	40.1	1.0	1.3	0.0	41.1	6
12	133	126	-2	-0	0	0	-0	36.2	1.0	1.3	0.0	37.2	6
13	133	131	-2	-0	0	0	-0	37.4	1.0	1.3	0.0	38.4	6
14	133	328	-3	-0	0	0	-0	93.9	1.7	2.3	0.0	95.5	6
15	133	178	-2	-0	0	0	-0	50.9	1.0	1.3	0.0	51.8	6
16	133	170	-2	-0	0	0	-0	48.6	1.0	1.3	0.0	49.6	6
17	133	174	-2	-0	0	0	-0	49.9	1.0	1.3	0.0	50.9	6

ASTA NUM. 130 NI 139 NF 222 Lungh. 80.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 2.7396 2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-652	1	-0	0	-0	-0	186.7	1.8	1.0	0.0	188.5	6	
1E	0	-636	1	-0	0	-0	-0	182.4	1.8	1.0	0.0	184.2	6	
1I	0	-647	1	-0	0	-0	-0	185.5	1.8	1.0	0.0	187.3	6	
1M	0	-641	1	-0	0	-0	-0	183.5	1.8	1.0	0.0	185.3	6	
2	0	-990	2	-0	0	-0	-0	283.8	2.7	1.4	0.0	286.4	6	
3	0	-620	1	-0	0	-0	-0	177.7	1.8	0.9	0.0	179.4	6	
4	0	-629	1	-0	0	-0	-0	180.2	1.9	0.9	0.0	182.1	6	
5	0	-579	1	-0	0	-0	-0	166.0	1.7	0.9	0.0	167.7	6	
6	0	-961	2	-0	0	-0	-0	275.2	2.4	1.4	0.0	277.7	6	
7	0	-604	1	-0	0	-0	-0	173.1	1.7	0.9	0.0	174.9	6	
8	0	-617	1	-0	0	-0	-0	176.8	1.9	0.9	0.0	178.7	6	
9	0	-558	1	-0	0	-0	-0	159.7	1.5	0.9	0.0	161.3	6	
10	0	-618	2	-0	0	-0	-0	177.1	2.0	1.4	0.0	179.1	6	
11	0	-384	1	-0	0	-0	-0	110.0	1.4	0.9	0.0	111.4	6	
12	0	-403	1	-0	0	-0	-0	115.5	1.6	0.9	0.0	117.1	6	
13	0	-343	1	-0	0	-0	-0	98.2	1.3	0.9	0.0	99.5	6	
14	0	-682	2	-0	0	-0	-0	195.3	1.9	1.5	0.0	197.2	6	
15	0	-427	1	-0	0	-0	-0	122.4	1.3	0.9	0.0	123.6	6	
16	0	-454	1	-0	0	-0	-0	130.0	1.4	0.9	0.0	131.4	6	
17	0	-377	1	-0	0	-0	-0	107.9	1.1	0.9	0.0	109.0	6	
1A	40	-652	0	-0	0	-0	0	186.7	11.3	0.1	0.0	198.0	6	
1E	40	-636	0	-0	0	-0	0	182.4	11.3	0.1	0.0	193.7	6	
1I	40	-647	0	-0	0	-0	0	185.5	11.3	0.1	0.0	196.8	6	
1M	40	-641	0	-0	0	-0	0	183.5	11.3	0.1	0.0	194.8	6	
2	40	-990	0	-0	0	-0	0	283.8	15.8	0.1	0.0	299.6	6	
3	40	-620	0	-0	0	-0	0	177.7	9.8	0.1	0.0	187.4	6	
4	40	-629	0	-0	0	-0	0	180.2	9.7	0.1	0.0	189.9	6	
5	40	-579	0	-0	0	-0	0	166.0	9.9	0.1	0.0	175.9	6	
6	40	-961	0	-0	0	-0	0	275.2	15.9	0.1	0.0	291.1	6	
7	40	-604	0	-0	0	-0	0	173.1	9.8	0.1	0.0	182.9	6	
8	40	-617	0	-0	0	-0	0	176.8	9.7	0.1	0.0	186.5	6	
9	40	-558	0	-0	0	-0	0	159.7	9.9	0.1	0.0	169.7	6	
10	40	-618	0	-0	0	0	0	177.1	16.2	0.1	0.0	193.3	6	
11	40	-384	0	-0	0	0	0	110.0	10.0	0.1	0.0	120.0	6	
12	40	-403	0	-0	0	0	0	115.5	9.9	0.1	0.0	125.4	6	
13	40	-343	0	-0	0	0	0	98.2	10.1	0.1	0.0	108.3	6	
14	40	-682	0	-0	0	-0	0	195.3	17.4	0.1	0.0	212.7	6	
15	40	-427	0	-0	0	0	0	122.4	10.0	0.1	0.0	132.4	6	
16	40	-454	0	-0	0	0	0	130.0	9.9	0.1	0.0	139.9	6	
17	40	-377	0	-0	0	0	0	107.9	10.2	0.1	0.0	118.1	6	
1A	81	-652	-1	-0	0	0	0	186.7	1.5	0.9	0.0	188.2	6	
1E	81	-636	-1	-0	0	0	0	182.4	1.5	0.9	0.0	183.9	6	
1I	81	-647	-1	-0	0	0	0	185.5	1.5	0.9	0.0	187.0	6	
1M	81	-641	-1	-0	0	0	0	183.5	1.5	0.9	0.0	185.1	6	
2	81	-990	-1	-0	0	0	0	283.8	2.2	1.2	0.0	286.0	6	
3	81	-620	-1	-0	0	0	0	177.7	1.3	0.7	0.0	179.0	6	
4	81	-629	-1	-0	0	0	0	180.2	1.3	0.7	0.0	181.5	6	
5	81	-579	-1	-0	0	0	0	166.0	1.4	0.7	0.0	167.4	6	
6	81	-961	-1	-0	0	0	0	275.2	2.3	1.2	0.0	277.5	6	
7	81	-604	-1	-0	0	0	0	173.1	1.3	0.7	0.0	174.4	6	
8	81	-617	-1	-0	0	0	0	176.8	1.3	0.7	0.0	178.1	6	
9	81	-558	-1	-0	0	0	0	159.7	1.4	0.7	0.0	161.1	6	
10	81	-618	-1	-0	0	0	0	177.1	2.6	1.2	0.0	179.7	6	
11	81	-384	-1	-0	0	0	0	110.0	1.6	0.7	0.0	111.6	6	
12	81	-403	-1	-0	0	0	0	115.5	1.5	0.7	0.0	117.0	6	
13	81	-343	-1	-0	0	0	0	98.2	1.6	0.7	0.0	99.8	6	
14	81	-682	-2	-0	0	0	0	195.3	2.7	1.3	0.0	198.0	6	
15	81	-427	-1	-0	0	0	0	122.4	1.5	0.8	0.0	123.9	6	
16	81	-454	-1	-0	0	0	0	130.0	1.4	0.7	0.0	131.4	6	
17	81	-377	-1	-0	0	0	0	107.9	1.6	0.8	0.0	109.5	6	

ASTA NUM. 131 NI 139 NF 223 Lungh. 80.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 2.7396 2.7396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-207	1	0	0	0	-0	59.4	1.7	1.0	0.0	61.1	6	
1E	0	-192	1	0	0	0	-0	55.1	1.7	1.0	0.0	56.8	6	
1I	0	-203	1	0	0	0	-0	58.2	1.7	1.0	0.0	59.9	6	
1M	0	-196	1	0	0	0	-0	56.3	1.7	1.0	0.0	57.9	6	
2	0	-225	2	0	0	0	-0	64.5	2.4	1.4	0.0	66.9	6	
3	0	-97	1	0	0	0	-0	27.8	1.5	0.9	0.0	29.3	6	
4	0	-57	1	0	0	0	-0	16.3	1.4	0.9	0.0	17.7	6	
5	0	-115	1	0	0	0	-0	33.0	1.6	0.9	0.0	34.5	6	
6	0	-415	2	0	0	0	-0	118.9	2.3	1.4	0.0	121.2	6	
7	0	-194	1	0	0	0	-0	55.6	1.4	0.9	0.0	56.9	6	
8	0	-171	1	0	0	0	-0	48.9	1.3	0.9	0.0	50.2	6	
9	0	-238	1	0	0	0	-0	68.2	1.5	0.9	0.0	69.7	6	
10	0	-22	2	0	0	0	-0	6.4	1.9	1.4	0.0	8.3	6	
11	0	33	1	0	0	0	-0	9.4	1.2	0.9	0.0	10.6	6	
12	0	86	1	0	0	0	-0	24.5	1.0	0.9	0.0	25.6	6	
13	0	14	1	0	0	0	-0	4.1	1.3	0.9	0.0	5.4	6	
14	0	-136	2	0	0	0	-0	39.0	1.8	1.5	0.0	40.7	6	
15	0	-17	1	0	0	0	-0	4.8	0.9	0.9	0.0	5.7	6	
16	0	29	1	0	0	0	-0	8.4	0.7	0.9	0.0	9.1	6	
17	0	-60	1	0	0	0	-0	17.0	1.1	0.9	0.0	18.1	6	
1A	40	-207	0	0	0	0	0	59.4	11.5	0.1	0.0	70.9	6	
1E	40	-192	0	0	0	0	0	55.1	11.5	0.1	0.0	66.6	6	
1I	40	-203	0	0	0	0	0	58.2	11.5	0.1	0.0	69.8	6	
1M	40	-196	0	0	0	0	0	56.3	11.5	0.1	0.0	67.8	6	
2	40	-225	0	0	0	0	0	64.5	16.2	0.1	0.0	80.7	6	
3	40	-97	0	0	0	0	0	27.8	10.2	0.1	0.0	38.0	6	
4	40	-57	0	0	0	0	0	16.3	10.2	0.1	0.0	26.5	6	
5	40	-115	0	0	0	0	0	33.0	10.1	0.1	0.0	43.0	6	
6	40	-415	0	0	0	0	0	118.9	16.2	0.1	0.0	135.1	6	
7	40	-194	0	0	0	0	0	55.6	10.2	0.1	0.0	65.7	6	
8	40	-171	0	0	0	0	0	48.9	10.2	0.1	0.0	59.2	6	
9	40	-238	0	0	0	0	0	68.2	10.0	0.1	0.0	78.2	6	
10	40	-22	0	0	0	0	0	6.4	16.4	0.1	0.0	22.8	6	
11	40	33	0	0	0	0	0	9.4	10.3	0.1	0.0	19.7	6	
12	40	86	0	0	0	0	0	24.5	10.4	0.1	0.0	34.9	6	
13	40	14	0	0	0	0	0	4.1	10.2	0.1	0.0	14.2	6	
14	40	-136	0	0	0	0	0	39.0	17.7	0.1	0.0	56.7	6	
15	40	-17	0	0	0	0	0	4.8	10.4	0.0	0.0	15.3	6	
16	40	29	0	0	0	0	0	8.4	10.6	0.0	0.0	18.9	6	
17	40	-60	0	0	0	0	0	17.0	10.3	0.1	0.0	27.3	6	
1A	81	-207	-1	0	0	0	0	59.4	1.7	0.9	0.0	61.1	6	
1E	81	-192	-1	0	0	0	0	55.1	1.7	0.9	0.0	56.8	6	
1I	81	-203	-1	0	0	0	0	58.2	1.6	0.9	0.0	59.8	6	
1M	81	-196	-1	0	0	0	0	56.3	1.6	0.9	0.0	57.8	6	
2	81	-225	-1	0	0	-0	0	64.5	2.6	1.2	0.0	67.1	6	
3	81	-97	-1	0	0	-0	0	27.8	1.7	0.7	0.0	29.5	6	
4	81	-57	-1	0	0	-0	0	16.3	1.7	0.7	0.0	18.0	6	

5	81	-115	-1	0	0	-0	0	33.0	1.6	0.7	0.0	34.6	6
6	81	-415	-1	0	0	-0	0	118.9	2.3	1.2	0.0	121.2	6
7	81	-194	-1	0	0	-0	0	55.6	1.5	0.8	0.0	57.1	6
8	81	-171	-1	0	0	-0	0	48.9	1.5	0.8	0.0	50.5	6
9	81	-238	-1	0	0	-0	0	68.2	1.4	0.7	0.0	69.6	6
10	81	-22	-1	0	0	-0	0	6.4	2.6	1.2	0.0	9.0	6
11	81	33	-1	0	0	-0	0	9.4	1.7	0.7	0.0	11.1	6
12	81	86	-1	0	0	0	0	24.5	1.8	0.7	0.0	26.3	6
13	81	14	-1	0	0	0	0	4.1	1.6	0.7	0.0	5.7	6
14	81	-136	-2	0	0	-0	0	39.0	2.8	1.3	0.0	41.8	6
15	81	-17	-1	0	0	-0	0	4.8	1.7	0.8	0.0	6.5	6
16	81	29	-1	0	0	-0	0	8.4	1.8	0.8	0.0	10.1	6
17	81	-60	-1	0	0	-0	0	17.0	1.6	0.8	0.0	18.6	6

ASTA NUM. 132 NI 217 NF 227 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-776	6	0	0	0	-1	88.7	16.8	2.1	0.0	105.4	6	
1E	0	-759	6	0	0	0	-1	86.7	16.8	2.1	0.0	103.5	6	
1I	0	-786	6	0	0	-0	-1	89.8	16.2	2.0	0.0	105.9	6	
1M	0	-749	6	0	0	-0	-1	85.6	16.2	2.0	0.0	101.8	6	
2	0	798	9	-0	0	-0	-2	91.2	21.0	2.8	0.0	112.2	6	
3	0	473	5	-0	0	-0	-1	54.1	13.1	1.8	0.0	67.2	6	
4	0	445	5	-0	0	-0	-1	50.9	13.0	1.8	0.0	63.9	6	
5	0	507	5	-0	0	-0	-1	57.9	13.0	1.8	0.0	70.9	6	
6	0	-925	9	-0	0	-0	-2	105.7	24.6	3.0	0.0	130.3	6	
7	0	-618	6	-0	0	-0	-1	70.6	15.3	1.9	0.0	85.9	6	
8	0	-639	6	-0	0	-0	-1	73.0	15.2	1.9	0.0	88.2	6	
9	0	-566	6	-0	0	-0	-1	64.7	15.3	1.9	0.0	79.9	6	
10	0	4122	8	-0	0	-0	-1	471.1	15.5	2.6	0.0	486.6	6	
11	0	2551	5	-0	0	-0	-1	291.5	9.6	1.6	0.0	301.2	6	
12	0	2510	5	-0	0	-0	-1	286.9	9.6	1.6	0.0	296.4	6	
13	0	2585	5	-0	0	-0	-1	295.4	9.6	1.6	0.0	305.0	6	
14	0	4123	9	-0	0	-0	-1	471.2	17.2	2.9	0.0	488.4	6	
15	0	2539	5	-0	0	-0	-1	290.2	10.0	1.7	0.0	300.1	6	
16	0	2498	5	-0	0	-0	-1	285.5	10.0	1.7	0.0	295.4	6	
17	0	2593	5	-0	0	-0	-1	296.3	9.9	1.7	0.0	306.3	6	
1A	23	-776	5	0	0	-0	-0	88.7	1.1	1.6	0.0	89.8	6	
1E	23	-759	5	0	0	-0	-0	86.7	1.1	1.6	0.0	87.9	6	
1I	23	-786	5	0	0	-0	-0	89.8	1.3	1.5	0.0	91.1	6	
1M	23	-749	5	0	0	-0	-0	85.6	1.3	1.5	0.0	86.9	6	
2	23	798	6	-0	0	-0	0	91.2	0.8	2.1	0.0	92.0	1	
3	23	473	4	-0	0	-0	0	54.1	0.5	1.3	0.0	54.6	1	
4	23	445	4	-0	0	-0	0	50.9	0.5	1.3	0.0	51.4	1	
5	23	507	4	-0	0	-0	0	57.9	0.5	1.3	0.0	58.4	1	
6	23	-925	7	-0	0	-0	-0	105.7	2.2	2.3	0.0	107.9	6	
7	23	-618	4	-0	0	-0	-0	70.6	1.3	1.4	0.0	71.9	6	
8	23	-639	4	-0	0	-0	-0	73.0	1.3	1.4	0.0	74.3	6	
9	23	-566	4	-0	0	-0	-0	64.7	1.3	1.4	0.0	66.0	6	
10	23	4122	6	-0	0	0	0	471.1	3.9	1.9	0.0	475.0	6	
11	23	2551	4	-0	0	0	0	291.5	2.5	1.2	0.0	294.0	6	
12	23	2510	4	-0	0	0	0	286.9	2.5	1.2	0.0	289.3	6	
13	23	2585	4	-0	0	0	0	295.4	2.5	1.2	0.0	297.9	6	
14	23	4123	6	-0	0	0	0	471.2	4.2	2.1	0.0	475.4	6	
15	23	2539	4	-0	0	0	0	290.2	2.5	1.2	0.0	292.7	6	
16	23	2498	4	-0	0	0	0	285.5	2.5	1.2	0.0	288.0	6	
17	23	2593	4	-0	0	0	0	296.3	2.5	1.2	0.0	298.9	6	
1A	46	-776	3	0	0	-0	1	88.7	10.5	1.1	0.0	99.2	6	
1E	46	-759	3	0	0	-0	1	86.7	10.5	1.1	0.0	97.2	6	
1I	46	-786	3	0	0	-0	1	89.8	9.8	1.0	0.0	99.5	6	
1M	46	-749	3	0	0	-0	1	85.6	9.8	1.0	0.0	95.4	6	
2	46	798	4	-0	0	-0	1	91.2	14.8	1.4	0.0	106.0	6	
3	46	473	3	-0	0	-0	1	54.1	9.3	0.9	0.0	63.4	6	
4	46	445	3	-0	0	-0	1	50.9	9.3	0.8	0.0	60.2	6	
5	46	507	3	-0	0	-0	1	57.9	9.3	0.9	0.0	67.2	6	
6	46	-925	5	-0	0	-0	1	105.7	14.5	1.6	0.0	120.2	6	
7	46	-618	3	-0	0	-0	1	70.6	9.1	1.0	0.0	79.7	6	
8	46	-639	3	-0	0	-0	1	73.0	9.1	1.0	0.0	82.1	6	
9	46	-566	3	-0	0	-0	1	64.7	9.1	1.0	0.0	73.8	6	
10	46	4122	4	-0	0	0	1	471.1	17.2	1.2	0.0	488.3	6	
11	46	2551	2	-0	0	0	1	291.5	10.7	0.7	0.0	302.3	6	
12	46	2510	2	-0	0	0	1	286.9	10.8	0.7	0.0	297.6	6	
13	46	2585	2	-0	0	0	1	295.4	10.7	0.7	0.0	306.2	6	
14	46	4123	4	-0	0	0	2	471.2	19.0	1.3	0.0	490.2	6	
15	46	2539	2	-0	0	0	1	290.2	11.2	0.8	0.0	301.3	6	
16	46	2498	2	-0	0	0	1	285.5	11.2	0.8	0.0	296.6	6	
17	46	2593	2	-0	0	0	1	296.3	11.2	0.8	0.0	307.5	6	

ASTA NUM. 133 NI 227 NF 219 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-514	-0	1	0	-0	1	58.7	11.8	0.5	0.0	70.5	6	
1E	0	-502	-0	1	0	-0	1	57.4	11.8	0.5	0.0	69.2	6	
1I	0	-523	-0	1	0	-0	1	59.8	12.6	0.5	0.0	72.5	6	
1M	0	-493	-0	1	0	-0	1	56.3	12.6	0.5	0.0	68.9	6	
2	0	1241	-1	4	0	-0	1	141.8	16.3	1.4	0.0	158.1	6	
3	0	775	-0	3	0	-0	1	88.6	10.2	1.1	0.0	98.8	6	
4	0	775	-0	4	0	-0	1	88.5	10.2	1.4	0.0	98.8	6	
5	0	776	-0	2	0	-0	1	88.7	10.2	0.8	0.0	98.9	6	
6	0	-606	0	2	0	-0	1	69.2	15.7	0.7	0.0	84.9	6	
7	0	-379	0	2	0	-0	1	43.3	9.8	0.8	0.0	53.2	6	
8	0	-380	0	3	0	-0	1	43.4	9.9	1.0	0.0	53.3	6	
9	0	-378	0	1	0	-0	1	43.2	9.8	0.4	0.0	53.1	6	
10	0	4471	-1	2	0	0	1	511.0	18.3	0.8	0.0	529.3	6	
11	0	2794	-1	2	0	0	1	319.3	11.5	0.7	0.0	330.8	6	
12	0	2793	-1	3	0	0	1	319.2	11.5	1.0	0.0	330.7	6	
13	0	2795	-1	1	0	0	1	319.4	11.5	0.4	0.0	330.9	6	
14	0	4443	-1	3	0	0	2	507.8	20.2	1.0	0.0	528.0	6	
15	0	2778	-1	3	0	0	1	317.5	11.8	0.9	0.0	329.3	6	
16	0	2777	-1	4	0	0	1	317.4	11.9	1.3	0.0	329.2	6	
17	0	2779	-1	1	0	0	1	317.6	11.8	0.5	0.0	329.4	6	
1A	23	-514	-2	1	0	-0	1	58.7	11.1	0.5	0.0	69.8	6	
1E	23	-502	-2	1	0	-0	1	57.4	11.1	0.5	0.0	68.5	6	
1I	23	-523	-2	1	0	-0	1	59.8	11.6	0.6	0.0	71.4	6	
1M	23	-493	-2	1	0	-0	1	56.3	11.6	0.6	0.0	67.9	6	
2	23	1241	-3	4	0	-1	1	141.8	17.2	1.4	0.0	159.0	1	
3	23	775	-2	3	0	-1	1	88.6	12.6	1.1	0.0	101.2	1	
4	23	775	-2	4	0	-1	1	88.5	14.7	1.4	0.0	103.2	1	
5	23	776	-2	2	0	-1	1	88.7	10.2	0.8	0.0	98.8	1	
6	23	-606	-2	2	0	-1	1	69.2	15.2	0.7	0.0	84.4	6	
7	23	-379	-1	2	0	-1	1	43.3	10.6	0.8	0.0	53.9	6	
8	23	-380	-1	3	0	-1	1	43.4	11.9	1.0	0.0	55.3	1	
9	23	-378	-1	1	0	-0	1	43.2	9.2	0.4	0.0	52.4	6	
10	23	4471	-3	2	0	-0	1	511.0	13.6	1.1	0.0	524.5	6	
11	23	2794	-2	2	0	-0	1	319.3	9.2	0.7	0.0	328.5	6	
12	23	2793	-2	3	0	-1	1	319.2	10.8	1.0	0.0	330.0	1	
13	23	2795	-2	1	0	-0	1	319.4	8.3	0.7	0.0	327.7	6	
14	23	4443	-3	3	0	-1	1	507.8	16.5	1.1	0.0	524.2	6	
15	23	2778	-2	3	0	-1	1	317.5	10.8	0.9	0.0	328.2	6	
16	23	2777	-2	4	0	-1	1	317.4	13.3	1.3	0.0	330.6	1	
17	23	2779	-2	1	0	-0	1	317.6	9.3	0.6	0.0	326.9	6	
1A	46	-514	-3	1	0	-1	0	58.7	9.3	1.0	0.0	68.1	1	
1E	46	-502	-3	1	0	-1	0	57.4	9.3	1.0	0.0	66.7	1	
1I	46	-523	-3	1	0	-1	0	59.8	9.5	1.1	0.0	69.3	1	
1M	46	-493	-3	1	0	-1	0	56.3	9.5	1.1	0.0	65.8	1	
2	46	1241	-5	4	0	-2	0	141.8	25.2	1.6	0.0	167.1	1	
3	46	775	-3	3	0	-2	0	88.6	19.5	1.1	0.0	108.1	1	
4	46	775	-3	4	0	-2	0	88.5	23.7	1.4	0.0	112.2	1	
5	46	776	-3	2	0	-1	0	88.7	14.6	1.0	0.0	103.3	1	
6	46	-606	-4	2	0	-1	0	69.2	14.8	1.4	0.0	84.0	1	
7	46	-379	-3	2	0	-1	0	43.3	15.1	0.9	0.0	58.4	1	
8	46	-380	-3	3	0	-1	0	43.4	18.1	1.0	0.0	61.5	1	
9	46	-378	-3	1	0	-1	0	43.2	7.5	0.9	0.0	50.7	1	
10	46	4471	-6	2	0	-1	-0	511.0	11.9	1.8	0.0	522.8	1	
11	46	2794	-4	2	0	-1	-0	319.3	11.2	1.1	0.0	330.5	1	
12	46	2793	-4	3	0	-1	-0	319.2	17.2	1.1	0.0	336.4	1	
13	46	2795	-4	1	0	-0	-0	319.4	6.1	1.1	0.0	325.5	1	
14	46	4443	-6	3	0	-1	0	507.8	15.7	1.9	0.0	523.5	1	
15	46	2778	-3	3	0	-1	0	317.5	15.3	1.1	0.0	332.8	1	
16	46	2777	-3	4	0	-2	0	317.4	21.4	1.3	0.0	338.8	1	
17	46	2779	-3	1	0	-1	0	317.6	7.4	1.1	0.0	325.0	1	

ASTA NUM. 134 NI 127 NF 223 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-795	5	1	0	0	-1	90.8	9.7	1.6	0.0	100.5	6	
1E	0	-762	5	1	0	0	-1	87.1	9.7	1.6	0.0	96.8	6	
1I	0	-801	5	1	0	0	-1	91.5	9.2	1.5	0.0	100.7	6	

1M	0	-756	5	1	0	0	-1	86.4	9.2	1.5	0.0	95.6	6
2	0	712	7	1	0	0	-1	81.3	9.9	2.3	0.0	91.3	6
3	0	382	4	0	0	0	-1	43.6	6.6	1.4	0.0	50.3	6
4	0	317	4	0	0	0	-1	36.2	7.1	1.5	0.0	43.3	6
5	0	442	4	0	0	0	-1	50.5	6.6	1.4	0.0	57.2	6
6	0	-841	7	1	0	1	-1	96.1	11.8	2.2	0.0	107.9	6
7	0	-622	4	1	0	0	-1	71.1	8.0	1.4	0.0	79.1	6
8	0	-667	4	1	0	0	-1	76.2	8.3	1.4	0.0	84.5	6
9	0	-520	4	1	0	0	-1	59.4	7.7	1.4	0.0	67.1	6
10	0	3970	7	1	0	0	-0	453.7	4.7	2.3	0.0	458.4	6
11	0	2416	4	0	0	0	-0	276.1	3.4	1.4	0.0	279.5	6
12	0	2325	4	0	0	0	-0	265.7	3.8	1.4	0.0	269.5	6
13	0	2478	4	1	0	0	-0	283.2	3.5	1.4	0.0	286.7	6
14	0	4049	7	1	0	0	-0	462.7	7.4	2.4	0.0	470.1	1
15	0	2434	4	1	0	0	-0	278.2	4.0	1.4	0.0	282.2	1
16	0	2346	4	1	0	0	-0	268.1	4.0	1.4	0.0	272.2	6
17	0	2539	4	1	0	0	-0	290.2	4.3	1.4	0.0	294.5	1
1A	23	-795	3	1	0	0	0	90.8	3.8	1.1	0.0	94.7	6
1E	23	-762	3	1	0	0	0	87.1	3.8	1.1	0.0	91.0	6
1I	23	-801	3	1	0	0	0	91.5	4.1	1.0	0.0	95.6	6
1M	23	-756	3	1	0	0	0	86.4	4.1	1.0	0.0	90.5	6
2	23	712	5	1	0	0	1	81.3	7.3	1.6	0.0	88.7	6
3	23	382	3	0	0	0	0	43.6	4.1	1.0	0.0	47.7	6
4	23	317	3	0	0	0	0	36.2	3.7	1.0	0.0	39.8	6
5	23	442	3	0	0	0	0	50.5	4.2	1.0	0.0	54.8	6
6	23	-841	5	1	0	0	0	96.1	6.8	1.5	0.0	102.9	6
7	23	-622	3	1	0	0	0	71.1	3.6	1.0	0.0	74.8	6
8	23	-667	3	1	0	0	0	76.2	3.3	1.0	0.0	79.5	6
9	23	-520	3	1	0	0	0	59.4	4.0	0.9	0.0	63.4	6
10	23	3970	5	1	0	0	1	453.7	12.5	1.5	0.0	466.2	6
11	23	2416	3	0	0	0	1	276.1	7.3	1.0	0.0	283.4	6
12	23	2325	3	0	0	0	1	265.7	6.9	1.0	0.0	272.6	6
13	23	2478	3	1	0	0	1	283.2	7.4	1.0	0.0	290.6	6
14	23	4049	5	1	0	0	1	462.7	13.6	1.6	0.0	476.3	6
15	23	2434	3	1	0	0	1	278.2	7.7	1.0	0.0	285.9	6
16	23	2346	3	1	0	0	1	268.1	7.4	1.0	0.0	275.6	6
17	23	2539	3	1	0	0	1	290.2	8.0	1.0	0.0	298.2	6
1A	46	-795	2	1	0	-0	1	90.8	10.7	0.6	0.0	101.5	6
1E	46	-762	2	1	0	-0	1	87.1	10.7	0.6	0.0	97.8	6
1I	46	-801	2	1	0	-0	1	91.5	10.3	0.5	0.0	101.8	6
1M	46	-756	2	1	0	-0	1	86.4	10.3	0.5	0.0	96.7	6
2	46	712	3	1	0	-0	1	81.3	17.8	0.8	0.0	99.1	6
3	46	382	2	0	0	-0	1	43.6	10.8	0.5	0.0	54.4	6
4	46	317	2	0	0	-0	1	36.2	10.5	0.6	0.0	46.7	6
5	46	442	2	0	0	-0	1	50.5	10.9	0.5	0.0	61.4	6
6	46	-841	2	1	0	-0	1	96.1	16.0	0.8	0.0	112.1	6
7	46	-622	2	1	0	-0	1	71.1	9.6	0.5	0.0	80.7	6
8	46	-667	2	1	0	-0	1	76.2	9.4	0.5	0.0	85.5	6
9	46	-520	1	1	0	-0	1	59.4	9.8	0.5	0.0	69.2	6
10	46	3970	2	1	0	-0	2	453.7	23.0	0.8	0.0	476.7	6
11	46	2416	2	0	0	-0	1	276.1	14.0	0.5	0.0	290.2	6
12	46	2325	2	0	0	-0	1	265.7	13.8	0.5	0.0	279.5	6
13	46	2478	2	1	0	-0	1	283.2	14.1	0.5	0.0	297.3	6
14	46	4049	3	1	0	-0	2	462.7	24.3	0.9	0.0	487.0	6
15	46	2434	2	1	0	-0	1	278.2	14.1	0.5	0.0	292.3	6
16	46	2346	2	1	0	-0	1	268.1	13.9	0.5	0.0	282.0	6
17	46	2539	2	1	0	-0	1	290.2	14.3	0.5	0.0	304.5	6

ASTA NUM. 135 NI 223 NF 217 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-776	-3	0	0	-0	1	88.7	11.1	1.1	0.0	99.8	6	
1E	0	-759	-3	0	0	-0	1	86.7	11.1	1.1	0.0	97.8	6	
1I	0	-786	-4	0	0	-0	1	89.9	11.5	1.1	0.0	101.4	6	
1M	0	-749	-4	0	0	-0	1	85.6	11.5	1.1	0.0	97.1	6	
2	0	799	-5	-0	0	-0	1	91.4	18.3	1.5	0.0	109.6	6	
3	0	474	-3	-0	0	-0	1	54.2	11.1	0.9	0.0	65.3	6	
4	0	446	-3	0	0	-0	1	51.0	10.8	0.9	0.0	61.8	6	
5	0	508	-3	-0	0	-0	1	58.0	11.2	0.9	0.0	69.2	6	
6	0	-925	-5	-0	0	-0	1	105.7	16.4	1.6	0.0	122.1	6	
7	0	-618	-3	-0	0	-0	1	70.6	9.9	1.0	0.0	80.5	6	
8	0	-638	-3	-0	0	-0	1	73.0	9.7	0.9	0.0	82.6	6	
9	0	-566	-3	-0	0	-0	1	64.7	10.1	1.0	0.0	74.8	6	
10	0	4124	-5	-0	0	-0	2	471.3	23.4	1.5	0.0	494.8	6	
11	0	2552	-3	-0	0	-0	1	291.7	14.3	0.9	0.0	306.0	6	
12	0	2511	-3	-0	0	-0	1	287.0	14.1	0.9	0.0	301.0	6	
13	0	2586	-3	-0	0	-0	1	295.5	14.4	0.9	0.0	309.9	6	
14	0	4123	-5	-0	0	-0	2	471.2	24.8	1.6	0.0	496.0	6	
15	0	2539	-3	-0	0	-0	1	290.2	14.4	0.9	0.0	304.6	6	
16	0	2498	-3	-0	0	-0	1	285.5	14.2	0.9	0.0	299.7	6	
17	0	2593	-3	-0	0	-0	1	296.3	14.6	1.0	0.0	310.9	6	
1A	23	-776	-5	0	0	-0	-0	88.7	1.1	1.6	0.0	89.8	1	
1E	23	-759	-5	0	0	-0	-0	86.7	1.1	1.6	0.0	87.8	1	
1I	23	-786	-5	0	0	-0	-0	89.9	1.0	1.7	0.0	90.8	1	
1M	23	-749	-5	0	0	-0	-0	85.6	1.0	1.7	0.0	86.5	1	
2	23	799	-7	-0	0	-0	0	91.4	2.3	2.2	0.0	93.7	6	
3	23	474	-4	-0	0	-0	0	54.2	1.3	1.4	0.0	55.5	6	
4	23	446	-4	0	0	-0	0	51.0	1.2	1.4	0.0	52.2	6	
5	23	508	-4	-0	0	-0	0	58.0	1.4	1.4	0.0	59.4	6	
6	23	-925	-7	-0	0	-0	-0	105.7	1.3	2.3	0.0	107.0	1	
7	23	-618	-4	-0	0	-0	-0	70.6	0.8	1.4	0.0	71.4	1	
8	23	-638	-4	-0	0	-0	-0	73.0	0.8	1.4	0.0	73.7	6	
9	23	-566	-4	-0	0	-0	-0	64.7	0.8	1.4	0.0	65.5	1	
10	23	4124	-7	-0	0	-0	1	471.3	7.0	2.3	0.0	478.4	6	
11	23	2552	-4	-0	0	-0	0	291.7	4.3	1.4	0.0	295.9	6	
12	23	2511	-4	-0	0	-0	0	287.0	4.2	1.4	0.0	291.1	6	
13	23	2586	-4	-0	0	-0	0	295.5	4.3	1.4	0.0	299.9	6	
14	23	4123	-7	-0	0	-0	1	471.2	7.2	2.4	0.0	478.4	6	
15	23	2539	-4	-0	0	-0	0	290.2	4.2	1.4	0.0	294.4	6	
16	23	2498	-4	-0	0	-0	0	285.5	4.1	1.4	0.0	289.6	6	
17	23	2593	-4	-0	0	-0	0	296.3	4.3	1.4	0.0	300.6	6	
1A	47	-776	-7	0	0	-0	-1	88.7	17.3	2.1	0.0	106.0	6	
1E	47	-759	-7	0	0	-0	-1	86.7	17.3	2.1	0.0	104.0	6	
1I	47	-786	-7	0	0	-0	-1	89.9	17.5	2.2	0.0	107.3	6	
1M	47	-749	-7	0	0	-0	-1	85.6	17.5	2.2	0.0	103.0	6	
2	47	799	-9	-0	0	-0	-2	91.4	20.6	3.0	0.0	111.9	6	
3	47	474	-6	-0	0	-0	-1	54.2	12.8	1.8	0.0	67.0	6	
4	47	446	-6	0	0	-0	-1	51.0	12.7	1.8	0.0	63.7	6	
5	47	508	-6	-0	0	-0	-1	58.0	12.8	1.8	0.0	70.8	6	
6	47	-925	-9	-0	0	-0	-2	105.7	23.7	3.0	0.0	129.4	6	
7	47	-618	-6	-0	0	-0	-1	70.6	14.7	1.9	0.0	85.3	6	
8	47	-638	-6	-0	0	-0	-1	73.0	14.7	1.9	0.0	87.6	6	
9	47	-566	-6	-0	0	-0	-1	64.7	14.7	1.9	0.0	79.4	6	
10	47	4124	-9	-0	0	-0	-1	471.3	15.8	3.0	0.0	487.1	6	
11	47	2552	-6	-0	0	-0	-1	291.7	9.8	1.8	0.0	301.4	6	
12	47	2511	-6	-0	0	-0	-1	287.0	9.7	1.8	0.0	296.7	6	
13	47	2586	-6	-0	0	-0	-1	295.5	9.7	1.8	0.0	305.3	6	
14	47	4123	-10	-0	0	-0	-1	471.2	17.4	3.2	0.0	488.6	6	
15	47	2539	-6	-0	0	-0	-1	290.2	10.1	1.9	0.0	300.2	6	
16	47	2498	-6	-0	0	-0	-1	285.5	10.1	1.9	0.0	295.5	6	
17	47	2593	-6	-0	0	-0	-1	296.3	10.0	1.9	0.0	306.4	6	

ASTA NUM. 136 NI 216 NF 226 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-265	6	0	0	0	-1	30.3	16.8	2.1	0.0	47.1	6	
1E	0	-248	6	0	0	0	-1	28.4	16.8	2.1	0.0	45.2	6	
1I	0	-275	6	0	0	0	-1	31.4	16.0	2.0	0.0	47.4	6	
1M	0	-239	6	0	0	0	-1	27.3	16.0	2.0	0.0	43.3	6	
2	0	-2372	9	0	0	0	-2	271.1	23.1	2.9	0.0	294.2	6	
3	0	-1457	6	-0	0	0	-1	166.5	14.3	1.8	0.0	180.8	6	
4	0	-1429	6	-0	0	0	-1	163.3	14.3	1.8	0.0	177.6	6	
5	0	-1490	6	0	0	0	-1	170.3	14.3	1.8	0.0	184.6	6	
6	0	-298	9	0	0	0	-2	34.1	24.0	3.0	0.0	58.1	6	
7	0	-147	6	0	0	0	-1	16.7	14.8	1.9	0.0	31.6	6	
8	0	-126	6	0	0	0	-1	14.4	14.8	1.9	0.0	29.2	6	
9	0	-199	6	0	0	0	-1	22.7	14.9	1.9	0.0	37.6	6	
10	0	4807	8	0	0	0	-1	549.4	14.8	2.6	0.0	564.2	6	
11	0	3030	5	0	0	0	-1	346.3	9.1	1.6	0.0	355.4	6	
12	0	3071	5	0	0	0	-1	351.0	9.1	1.6	0.0	360.1	6	
13	0	2996	5	0	0	0	-1	342.4	9.1	1.6	0.0	351.5	6	
14	0	4750	9	0	0	0	-1	542.9	16.7	2.9	0.0	559.5	6	
15	0	3011	5	0	0	0	-1	344.1	9.5	1.7	0.0	353.6	6	
16	0	3052	5	0	0	0	-1	348.8	9.5	1.7	0.0	358.3	6	
17	0	2957	5	0	0	0	-1	337.9	9.6	1.7	0.0	347.5	6	
1A	23	-265	5	0	0	0	-0	30.3	1.1	1.6	0.0	31.5	1	
1E	23	-248	5	0	0	0	-0	28.4	1.1	1.6	0.0	29.5	1	
1I	23	-275	5	0	0	0	-0	31.4	1.0	1.5	0.0	32.5	6	
1M	23	-239	5	0	0	0	-0	27.3	1.0	1.5	0.0	28.3	6	
2	23	-2372	7	0	0	0	-0	271.1	1.7	2.2	0.0	272.8	6	
3	23	-1457	4	-0	0	0	-0	166.5	1.0	1.4	0.0	167.5	6	
4	23	-1429	4	-0	0	0	-0	163.3	1.0	1.4	0.0	164.3	6	
5	23	-1490	4	0	0	0	-0	170.3	1.0	1.4	0.0	171.3	6	
6	23	-298	7	0	0	0	-0	34.1	1.8	2.3	0.0	35.9	6	
7	23	-147	4	0	0	0	-0	16.7	1.0	1.4	0.0	17.8	6	

8	23	-126	4	0	0	0	-0	14.4	1.0	1.4	0.0	15.4	6
9	23	-199	4	0	0	0	-0	22.7	1.1	1.4	0.0	23.8	6
10	23	4807	6	0	0	-0	0	549.4	4.3	1.9	0.0	553.7	6
11	23	3030	4	0	0	-0	0	346.3	2.8	1.2	0.0	349.1	6
12	23	3071	4	0	0	-0	0	351.0	2.8	1.2	0.0	353.8	6
13	23	2996	4	0	0	-0	0	342.4	2.8	1.2	0.0	345.2	6
14	23	4750	6	0	0	-0	0	542.9	4.5	2.1	0.0	547.4	6
15	23	3011	4	0	0	-0	0	344.1	2.8	1.2	0.0	346.9	6
16	23	3052	4	0	0	-0	0	348.8	2.8	1.2	0.0	351.6	6
17	23	2957	4	0	0	-0	0	337.9	2.8	1.2	0.0	340.7	6
1A	46	-265	3	0	0	-0	1	30.3	10.3	1.1	0.0	40.6	6
1E	46	-248	3	0	0	-0	1	28.4	10.3	1.1	0.0	38.7	6
1I	46	-275	3	0	0	0	1	31.4	9.8	1.0	0.0	41.3	6
1M	46	-239	3	0	0	0	1	27.3	9.8	1.0	0.0	37.1	6
2	46	-2372	4	0	0	0	1	271.1	13.9	1.5	0.0	285.0	6
3	46	-1457	3	-0	0	0	1	166.5	8.8	0.9	0.0	175.3	6
4	46	-1429	3	-0	0	0	1	163.3	8.8	0.9	0.0	172.1	6
5	46	-1490	3	0	0	0	1	170.3	8.8	0.9	0.0	179.1	6
6	46	-298	5	0	0	0	1	34.1	14.8	1.5	0.0	48.9	6
7	46	-147	3	0	0	0	1	16.7	9.4	1.0	0.0	26.1	6
8	46	-126	3	0	0	0	1	14.4	9.4	1.0	0.0	23.8	6
9	46	-199	3	0	0	0	1	22.7	9.3	1.0	0.0	32.0	6
10	46	4807	4	0	0	-0	1	549.4	17.4	1.2	0.0	566.8	6
11	46	3030	2	0	0	-0	1	346.3	10.9	0.7	0.0	357.2	6
12	46	3071	2	0	0	-0	1	351.0	10.9	0.7	0.0	361.9	6
13	46	2996	2	0	0	-0	1	342.4	10.9	0.7	0.0	353.3	6
14	46	4750	4	0	0	-0	2	542.9	19.2	1.3	0.0	562.1	6
15	46	3011	2	0	0	-0	1	344.1	11.3	0.8	0.0	355.4	6
16	46	3052	2	0	0	-0	1	348.8	11.3	0.8	0.0	360.1	6
17	46	2957	2	0	0	-0	1	337.9	11.3	0.8	0.0	349.2	6

ASTA NUM. 137 NI 226 NF 218 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-514	-0	-1	0	0	1	58.8	12.5	0.5	0.0	71.2	6	
1E	0	-503	-0	-1	0	0	1	57.4	12.5	0.5	0.0	69.9	6	
1I	0	-524	-0	-2	0	0	1	59.9	13.0	0.5	0.0	72.9	6	
1M	0	-493	-0	-2	0	0	1	56.3	13.0	0.5	0.0	69.4	6	
2	0	-2805	-0	0	0	0	1	320.6	15.1	0.1	0.0	335.6	6	
3	0	-1752	-0	1	0	0	1	200.2	9.5	0.3	0.0	209.7	6	
4	0	-1752	-0	2	0	0	1	200.2	9.5	0.5	0.0	209.7	6	
5	0	-1753	-0	0	0	0	1	200.3	9.5	0.1	0.0	209.8	6	
6	0	-606	0	-2	0	0	1	69.2	16.0	0.7	0.0	85.3	6	
7	0	-378	0	-0	0	0	1	43.2	10.1	0.1	0.0	53.3	6	
8	0	-377	0	0	0	0	1	43.1	10.1	0.1	0.0	53.3	6	
9	0	-379	0	-2	0	0	1	43.3	10.1	0.5	0.0	53.4	6	
10	0	4470	-1	-3	0	-0	2	510.9	18.6	0.9	0.0	529.4	6	
11	0	2794	-1	-1	0	-0	1	319.3	11.6	0.4	0.0	330.9	6	
12	0	2795	-1	0	0	-0	1	319.4	11.6	0.2	0.0	331.0	6	
13	0	2794	-1	-2	0	-0	1	319.3	11.6	0.7	0.0	331.0	6	
14	0	4443	-1	-3	0	-0	2	507.8	20.4	0.9	0.0	528.1	6	
15	0	2780	-1	-1	0	-0	1	317.7	11.9	0.2	0.0	329.6	6	
16	0	2780	-1	1	0	-0	1	317.7	11.9	0.2	0.0	329.6	6	
17	0	2779	-1	-2	0	-0	1	317.6	11.9	0.7	0.0	329.5	6	
1A	23	-514	-2	-1	0	0	1	58.8	11.7	0.5	0.0	70.4	6	
1E	23	-503	-2	-1	0	0	1	57.4	11.7	0.5	0.0	69.1	6	
1I	23	-524	-2	-2	0	0	1	59.9	12.0	0.6	0.0	71.9	6	
1M	23	-493	-2	-2	0	0	1	56.3	12.0	0.6	0.0	68.3	6	
2	23	-2805	-3	0	0	-0	1	320.6	10.9	0.8	0.0	331.5	6	
3	23	-1752	-2	1	0	-0	1	200.2	7.5	0.5	0.0	207.8	6	
4	23	-1752	-2	2	0	-0	1	200.2	8.3	0.5	0.0	208.5	6	
5	23	-1753	-2	0	0	0	1	200.3	7.0	0.5	0.0	207.4	6	
6	23	-606	-2	-2	0	1	1	69.2	15.2	0.7	0.0	84.4	6	
7	23	-378	-1	-0	0	0	1	43.2	8.5	0.5	0.0	51.6	6	
8	23	-377	-1	0	0	0	1	43.1	7.9	0.5	0.0	51.0	6	
9	23	-379	-1	-2	0	0	1	43.3	9.9	0.5	0.0	53.2	6	
10	23	4470	-3	-3	0	1	1	510.9	14.4	1.1	0.0	525.2	6	
11	23	2794	-2	-1	0	0	1	319.3	8.3	0.7	0.0	327.6	6	
12	23	2795	-2	0	0	-0	1	319.4	7.6	0.7	0.0	327.0	6	
13	23	2794	-2	-2	0	0	1	319.3	9.2	0.7	0.0	328.6	6	
14	23	4443	-3	-3	0	1	1	507.8	16.5	1.1	0.0	524.3	6	
15	23	2780	-2	-1	0	0	1	317.7	8.6	0.7	0.0	326.4	6	
16	23	2780	-2	1	0	-0	1	317.7	8.8	0.7	0.0	326.5	6	
17	23	2779	-2	-2	0	0	1	317.6	10.1	0.7	0.0	327.7	6	
1A	46	-514	-3	-1	0	1	0	58.8	10.7	1.1	0.0	69.5	1	
1E	46	-503	-3	-1	0	1	0	57.4	10.7	1.1	0.0	68.2	1	
1I	46	-524	-3	-2	0	1	0	59.9	10.7	1.1	0.0	70.6	1	
1M	46	-493	-3	-2	0	1	0	56.3	10.7	1.1	0.0	67.1	1	
2	46	-2805	-5	0	0	-0	0	320.6	1.4	1.6	0.0	322.0	1	
3	46	-1752	-3	1	0	-0	0	200.2	4.6	1.0	0.0	204.9	1	
4	46	-1752	-3	2	0	-1	0	200.2	8.8	1.0	0.0	209.0	1	
5	46	-1753	-3	0	0	0	0	200.3	0.7	1.0	0.0	201.0	6	
6	46	-606	-4	-2	0	1	0	69.2	14.3	1.5	0.0	83.5	1	
7	46	-378	-3	-0	0	0	0	43.2	3.1	0.9	0.0	46.2	1	
8	46	-377	-3	0	0	-0	0	43.1	2.3	0.9	0.0	45.5	6	
9	46	-379	-3	-2	0	1	0	43.3	10.7	0.9	0.0	54.0	1	
10	46	4470	-6	-3	0	1	-0	510.9	15.1	1.8	0.0	525.9	1	
11	46	2794	-4	-1	0	0	-0	319.3	5.7	1.2	0.0	325.0	1	
12	46	2795	-4	0	0	-0	-0	319.4	0.8	1.2	0.0	320.2	1	
13	46	2794	-4	-2	0	1	-0	319.3	10.7	1.2	0.0	330.0	1	
14	46	4443	-6	-3	0	1	0	507.8	15.1	1.9	0.0	522.9	1	
15	46	2780	-3	-1	0	0	0	317.7	3.2	1.1	0.0	321.0	1	
16	46	2780	-3	1	0	-0	0	317.7	3.3	1.1	0.0	321.0	1	
17	46	2779	-3	-2	0	1	0	317.6	11.1	1.1	0.0	328.7	1	

ASTA NUM. 138 NI 129 NF 222 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	224	5	-1	0	-0	-1	25.6	9.9	1.6	0.0	35.4	6	
1E	0	256	5	-1	0	-0	-1	29.3	9.9	1.6	0.0	39.1	6	
1I	0	218	5	-1	0	-0	-1	24.9	9.3	1.6	0.0	34.2	6	
1M	0	262	5	-1	0	-0	-1	30.0	9.3	1.6	0.0	39.3	6	
2	0	-1583	7	-1	0	-0	-1	180.9	10.7	2.2	0.0	191.6	6	
3	0	-951	4	-0	0	-0	-1	108.7	7.3	1.4	0.0	115.9	6	
4	0	-903	4	-0	0	-0	-1	103.2	7.3	1.4	0.0	110.5	6	
5	0	-1024	4	-0	0	-0	-1	117.0	7.4	1.4	0.0	124.4	6	
6	0	410	7	-1	0	-0	-1	46.8	12.4	2.2	0.0	59.2	6	
7	0	318	4	-1	0	-0	-1	36.3	8.6	1.4	0.0	44.9	6	
8	0	356	4	-1	0	-0	-1	40.7	8.3	1.4	0.0	49.0	6	
9	0	213	4	-1	0	-0	-1	24.4	8.4	1.4	0.0	32.8	6	
10	0	5336	7	-1	0	-0	-0	609.8	5.8	2.3	0.0	615.7	6	
11	0	3372	5	-0	0	-0	-0	385.4	4.3	1.5	0.0	389.7	6	
12	0	3444	5	-0	0	-0	-0	393.6	4.3	1.5	0.0	397.9	6	
13	0	3297	5	-0	0	-0	-0	376.8	4.4	1.5	0.0	381.2	6	
14	0	5300	8	-1	0	-0	-0	605.7	7.1	2.5	0.0	612.9	1	
15	0	3375	4	-1	0	-0	-0	385.7	4.4	1.4	0.0	390.2	1	
16	0	3452	4	-1	0	-0	-0	394.5	4.5	1.4	0.0	399.0	1	
17	0	3266	4	-1	0	-0	-0	373.3	4.3	1.5	0.0	377.6	6	
1A	23	224	3	-1	0	-0	0	25.6	3.7	1.1	0.0	29.3	6	
1E	23	256	3	-1	0	-0	0	29.3	3.7	1.1	0.0	32.9	6	
1I	23	218	3	-1	0	-0	0	24.9	3.7	1.1	0.0	28.6	6	
1M	23	262	3	-1	0	-0	0	30.0	3.7	1.1	0.0	33.7	6	
2	23	-1583	5	-1	0	-0	1	180.9	6.5	1.5	0.0	187.5	6	
3	23	-951	3	-0	0	-0	0	108.7	3.7	1.0	0.0	112.4	6	
4	23	-903	3	-0	0	-0	0	103.2	3.7	1.0	0.0	107.0	6	
5	23	-1024	3	-0	0	-0	0	117.0	3.5	1.0	0.0	120.5	6	
6	23	410	5	-1	0	-0	0	46.8	6.3	1.5	0.0	53.1	6	
7	23	318	3	-1	0	-0	0	36.3	3.4	1.0	0.0	39.7	6	
8	23	356	3	-1	0	-0	0	40.7	3.6	1.0	0.0	44.3	6	
9	23	213	3	-1	0	-0	0	24.4	3.3	1.0	0.0	27.7	6	
10	23	5336	5	-1	0	-0	1	609.8	11.5	1.6	0.0	621.3	6	
11	23	3372	3	-0	0	-0	1	385.4	6.7	1.0	0.0	392.1	6	
12	23	3444	3	-0	0	-0	1	393.6	6.8	1.0	0.0	400.4	6	
13	23	3297	3	-0	0	0	1	376.8	6.6	1.0	0.0	383.4	6	
14	23	5300	5	-1	0	-0	1	605.7	13.0	1.7	0.0	618.7	6	
15	23	3375	3	-1	0	-0	1	385.7	7.5	1.0	0.0	393.2	6	
16	23	3452	3	-1	0	-0	1	394.5	7.7	1.0	0.0	402.3	6	
17	23	3266	3	-1	0	-0	1	373.3	7.4	1.0	0.0	380.6	6	
1A	46	224	2	-1	0	0	1	25.6	10.3	0.6	0.0	35.9	6	
1E	46	256	2	-1	0	0	1	29.3	10.3	0.6	0.0	39.6	6	
1I	46	218	2	-1	0	0	1	24.9	10.2	0.5	0.0	35.1	6	
1M	46	262	2	-1	0	0	1	30.0	10.2	0.5	0.0	40.2	6	
2	46	-1583	2	-1	0	0	1	180.9	16.3	0.8	0.0	197.3	6	
3	46	-951	2	-0	0	0	1	108.7	10.0	0.5	0.0	118.6	6	
4	46	-903	2	-0	0	0	1	103.2	10.0	0.5	0.0	113.3	6	
5	46	-1024	2	-0	0	0	1	117.0	9.8	0.5	0.0	126.9	6	
6	46	410	2	-1	0	0	1	46.8	15.9	0.8	0.0	62.8	6	
7	46	318	2	-1	0	0	1	36.3	9.6	0.5	0.0	46.0	6	
8	46	356	2	-1	0	0	1	40.7	9.8	0.5	0.0	50.5	6	
9	46	213	2	-1	0	0	1	24.4	9.6	0.5	0.0	33.9	6	
10	46	5336	3	-1	0	0	2	609.8	22.7	0.9	0.0	632.5	6	
11	46	3372	2	-0	0	0	1	385.4	13.9	0.6	0.0	399.3	6	
12	46	3444	2	-0	0	0	1	393.6	14.0	0.6	0.0	407.6	6	
13	46	3297	2	-0	0	0	1	376.8	13.8	0.6	0.0	390.6	6	
14	46	5300	3	-1	0	0	2	605.7	24.2	0.9	0.0	629.9	6	

15	46	3375	2	-1	0	0	1	385.7	14.2	0.5	0.0	399.9	6
16	46	3452	2	-1	0	0	1	394.5	14.3	0.5	0.0	408.9	6
17	46	3266	2	-1	0	0	1	373.3	14.0	0.5	0.0	387.3	6

ASTA NUM. 139 NI 222 NF 216 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	-266	-3	0	0	0	1	30.4	11.6	1.1	0.0	42.0	6	
1E	0	-248	-3	0	0	0	1	28.4	11.6	1.1	0.0	40.0	6	
1I	0	-276	-3	0	0	0	1	31.5	11.7	1.1	0.0	43.3	6	
1M	0	-238	-3	0	0	0	1	27.2	11.7	1.1	0.0	39.0	6	
2	0	-2370	-5	0	0	0	1	270.9	16.8	1.5	0.0	287.6	6	
3	0	-1456	-3	0	0	0	1	166.4	10.3	0.9	0.0	176.7	6	
4	0	-1428	-3	0	0	0	1	163.2	10.3	0.9	0.0	173.5	6	
5	0	-1489	-3	0	0	0	1	170.2	10.1	0.9	0.0	180.3	6	
6	0	-298	-5	0	0	0	1	34.0	16.4	1.5	0.0	50.4	6	
7	0	-147	-3	0	0	0	1	16.7	9.9	0.9	0.0	26.7	6	
8	0	-126	-3	0	0	0	1	14.4	10.1	0.9	0.0	24.4	6	
9	0	-198	-3	0	0	0	1	22.7	9.9	0.9	0.0	32.5	6	
10	0	4809	-4	0	0	0	2	549.6	23.2	1.5	0.0	572.8	6	
11	0	3031	-3	0	0	0	1	346.4	14.2	0.9	0.0	360.6	6	
12	0	3072	-3	0	0	0	1	351.1	14.3	0.9	0.0	365.3	6	
13	0	2996	-3	0	0	0	1	342.4	14.1	0.9	0.0	356.5	6	
14	0	4750	-5	0	0	0	2	542.9	24.7	1.6	0.0	567.6	6	
15	0	3011	-3	0	0	0	1	344.1	14.4	0.9	0.0	358.5	6	
16	0	3052	-3	0	0	0	1	348.8	14.6	0.9	0.0	363.4	6	
17	0	2957	-3	0	0	0	1	337.9	14.3	0.9	0.0	352.3	6	
1A	23	-266	-5	0	0	0	-0	30.4	0.7	1.6	0.0	31.0	1	
1E	23	-248	-5	0	0	0	-0	28.4	0.7	1.6	0.0	29.0	1	
1I	23	-276	-5	0	0	0	-0	31.5	0.9	1.6	0.0	32.4	1	
1M	23	-238	-5	0	0	0	-0	27.2	0.9	1.6	0.0	28.1	1	
2	23	-2370	-7	0	0	0	0	270.9	0.8	2.3	0.0	271.7	1	
3	23	-1456	-4	0	0	0	0	166.4	0.5	1.4	0.0	166.9	1	
4	23	-1428	-4	0	0	0	0	163.2	0.5	1.4	0.0	163.7	1	
5	23	-1489	-4	0	0	0	0	170.2	0.5	1.4	0.0	170.6	1	
6	23	-298	-7	0	0	0	-0	34.0	1.4	2.3	0.0	35.4	1	
7	23	-147	-4	0	0	0	-0	16.7	0.9	1.4	0.0	17.6	1	
8	23	-126	-4	0	0	0	-0	14.4	0.9	1.4	0.0	15.2	1	
9	23	-198	-4	0	0	0	-0	22.7	0.8	1.4	0.0	23.5	1	
10	23	4809	-7	0	0	0	1	549.6	7.3	2.2	0.0	556.9	6	
11	23	3031	-4	0	0	0	0	346.4	4.5	1.3	0.0	350.9	6	
12	23	3072	-4	0	0	0	0	351.1	4.6	1.3	0.0	355.6	6	
13	23	2996	-4	0	0	0	0	342.4	4.4	1.3	0.0	346.8	6	
14	23	4750	-7	0	0	0	1	542.9	7.5	2.4	0.0	550.3	6	
15	23	3011	-4	0	0	0	0	344.1	4.5	1.4	0.0	348.6	6	
16	23	3052	-4	0	0	0	0	348.8	4.6	1.4	0.0	353.4	6	
17	23	2957	-4	0	0	0	0	337.9	4.4	1.4	0.0	342.4	6	
1A	47	-266	-6	0	0	-0	-1	30.4	16.3	2.1	0.0	46.7	6	
1E	47	-248	-6	0	0	-0	-1	28.4	16.3	2.1	0.0	44.7	6	
1I	47	-276	-7	0	0	0	-1	31.5	16.8	2.2	0.0	48.3	6	
1M	47	-238	-7	0	0	0	-1	27.2	16.8	2.2	0.0	44.0	6	
2	47	-2370	-9	0	0	0	-2	270.9	22.6	3.0	0.0	293.4	6	
3	47	-1456	-6	0	0	0	-1	166.4	14.0	1.9	0.0	180.4	6	
4	47	-1428	-6	0	0	0	-1	163.2	13.9	1.9	0.0	177.1	6	
5	47	-1489	-6	0	0	0	-1	170.2	14.0	1.9	0.0	184.2	6	
6	47	-298	-9	0	0	0	-2	34.0	23.1	3.0	0.0	57.2	6	
7	47	-147	-6	0	0	0	-1	16.7	14.2	1.8	0.0	31.0	6	
8	47	-126	-6	0	0	0	-1	14.4	14.3	1.9	0.0	28.6	6	
9	47	-198	-6	0	0	0	-1	22.7	14.3	1.8	0.0	37.0	6	
10	47	4809	-9	0	0	0	-1	549.6	15.0	2.9	0.0	564.6	6	
11	47	3031	-6	0	0	0	-1	346.4	9.2	1.8	0.0	355.6	6	
12	47	3072	-6	0	0	0	-1	351.1	9.2	1.8	0.0	360.3	6	
13	47	2996	-5	0	0	0	-1	342.4	9.2	1.8	0.0	351.6	6	
14	47	4750	-10	0	0	0	-1	542.9	16.8	3.2	0.0	559.7	6	
15	47	3011	-6	0	0	0	-1	344.1	9.6	1.8	0.0	353.7	6	
16	47	3052	-6	0	0	0	-1	348.8	9.6	1.8	0.0	358.4	6	
17	47	2957	-6	0	0	0	-1	337.9	9.6	1.8	0.0	347.6	6	

ASTA NUM. 140 NI 218 NF 220 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	-3842	6	-2	0	-1	-1	445.7	15.4	1.9	0.0	460.7	6	
1E	0	-3836	6	-2	0	-1	-1	445.1	15.4	1.9	0.0	460.1	6	
1I	0	-3841	5	-2	0	-1	-1	445.6	15.3	1.8	0.0	460.5	6	
1M	0	-3837	5	-2	0	-1	-1	445.1	15.3	1.8	0.0	460.0	6	
2	0	-4799	6	-1	0	-0	-0	556.7	4.0	2.2	0.0	559.5	2	
3	0	-3017	4	0	0	0	0	350.0	3.3	1.2	0.0	352.0	1	
4	0	-3037	3	1	0	0	0	352.3	8.6	1.1	0.0	359.4	1	
5	0	-2994	4	-0	0	-0	-0	347.3	3.9	1.4	0.0	350.3	6	
6	0	-5933	8	-2	0	-1	-1	688.3	21.1	2.6	0.0	708.8	6	
7	0	-3735	4	-1	0	-0	-0	433.3	6.1	1.4	0.0	438.6	6	
8	0	-3750	4	-0	0	-0	-0	435.0	2.5	1.3	0.0	436.7	2	
9	0	-3700	5	-2	0	-1	-1	429.2	15.4	1.7	0.0	444.3	6	
10	0	-4732	8	-2	0	-1	-1	549.0	21.0	2.7	0.0	570.0	6	
11	0	-2975	5	-1	0	-1	-0	345.1	8.4	1.5	0.0	353.5	6	
12	0	-3004	4	-0	0	-0	-0	348.5	1.1	1.3	0.0	349.3	2	
13	0	-2952	5	-2	0	-1	-1	342.5	14.8	1.7	0.0	357.3	6	
14	0	-5931	8	-2	0	-1	-1	688.1	21.5	2.8	0.0	709.6	6	
15	0	-3735	4	-1	0	-0	-0	433.3	6.0	1.4	0.0	438.8	6	
16	0	-3764	4	-0	0	0	0	436.7	2.3	1.2	0.0	438.1	1	
17	0	-3699	5	-2	0	-1	-1	429.1	15.6	1.7	0.0	444.7	6	
1A	33	-3842	3	-2	0	-0	1	445.7	12.0	1.1	0.0	454.8	1	
1E	33	-3836	3	-2	0	-0	1	445.1	12.0	1.1	0.0	454.2	1	
1I	33	-3841	3	-2	0	-0	1	445.6	11.2	1.1	0.0	454.4	1	
1M	33	-3837	3	-2	0	-0	1	445.1	11.2	1.1	0.0	454.0	1	
2	33	-4799	3	-1	0	-0	1	556.7	25.3	1.1	0.0	567.3	1	
3	33	-3017	2	0	0	0	1	350.0	18.0	0.6	0.0	357.1	1	
4	33	-3037	1	1	0	0	1	352.3	20.6	0.4	0.0	361.9	1	
5	33	-2994	2	-0	0	-0	1	347.3	15.2	0.7	0.0	354.1	1	
6	33	-5933	5	-2	0	-1	1	688.3	17.1	1.6	0.0	701.0	1	
7	33	-3735	2	-1	0	-0	1	433.3	13.7	0.8	0.0	440.2	1	
8	33	-3750	2	-0	0	-0	1	435.0	15.3	0.7	0.0	441.4	1	
9	33	-3700	3	-2	0	-0	1	429.2	9.8	1.0	0.0	437.6	1	
10	33	-4732	5	-2	0	-1	1	549.0	17.4	1.6	0.0	561.1	1	
11	33	-2975	3	-1	0	-0	1	345.1	12.8	0.9	0.0	352.0	1	
12	33	-3004	2	-0	0	-0	1	348.5	16.0	0.7	0.0	354.3	1	
13	33	-2952	3	-2	0	-0	1	342.5	10.2	1.1	0.0	350.3	1	
14	33	-5931	5	-2	0	-1	1	688.1	18.4	1.7	0.0	700.8	1	
15	33	-3735	2	-1	0	-0	1	433.3	13.4	0.8	0.0	439.7	1	
16	33	-3764	2	-0	0	0	1	436.7	16.8	0.5	0.0	443.6	1	
17	33	-3699	3	-2	0	-0	1	429.1	9.3	1.0	0.0	436.9	1	
1A	66	-3842	1	-2	0	0	1	445.7	23.6	0.5	0.0	454.6	1	
1E	66	-3836	1	-2	0	0	1	445.1	23.6	0.5	0.0	454.0	1	
1I	66	-3841	1	-2	0	0	1	445.6	21.8	0.5	0.0	453.9	1	
1M	66	-3837	1	-2	0	0	1	445.1	21.8	0.5	0.0	453.5	1	
2	66	-4799	0	-1	0	0	2	556.7	34.7	0.2	0.0	569.9	1	
3	66	-3017	-0	0	0	0	1	350.0	21.7	0.1	0.0	358.2	1	
4	66	-3037	-1	1	0	0	1	352.3	21.6	0.3	0.0	360.5	1	
5	66	-2994	0	-0	0	0	1	347.3	21.7	0.2	0.0	355.5	1	
6	66	-5933	1	-2	0	0	2	688.3	33.1	0.7	0.0	701.0	1	
7	66	-3735	0	-1	0	0	1	433.3	20.7	0.2	0.0	441.2	1	
8	66	-3750	-0	-0	0	0	1	435.0	20.6	0.1	0.0	442.9	1	
9	66	-3700	1	-2	0	0	1	429.2	20.7	0.5	0.0	437.1	1	
10	66	-4732	2	-2	0	0	2	549.0	34.6	0.8	0.0	563.1	1	
11	66	-2975	1	-1	0	0	1	345.1	21.6	0.3	0.0	353.9	1	
12	66	-3004	0	-0	0	0	1	348.5	21.6	0.1	0.0	357.3	1	
13	66	-2952	1	-2	0	0	1	342.5	21.6	0.5	0.0	351.2	1	
14	66	-5931	2	-2	0	0	2	688.1	35.7	0.8	0.0	702.6	1	
15	66	-3735	0	-1	0	0	1	433.3	20.4	0.3	0.0	441.7	1	
16	66	-3764	-0	-0	0	0	1	436.7	20.4	0.1	0.0	445.0	1	
17	66	-3699	1	-2	0	0	1	429.1	20.5	0.6	0.0	437.5	1	

ASTA NUM. 141 NI 220 NF 219 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	6.7667	6.7667 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	-3476	-1	1	0	0	1	403.2	25.0	0.4	0.0	412.7	1	
1E	0	-3470	-1	1	0	0	1	402.6	25.0	0.4	0.0	412.1	1	
1I	0	-3475	-1	1	0	0	2	403.1	26.8	0.4	0.0	413.2	1	
1M	0	-3471	-1	1	0	0	2	402.7	26.8	0.4	0.0	412.8	1	
2	0	-4175	-3	3	0	0	2	484.3	35.1	1.1	0.0	497.6	1	
3	0	-2592	-2	2	0	0	1	300.7	22.0	0.8	0.0	309.0	1	
4	0	-2573	-3	3	0	0	1	298.5	22.0	1.0	0.0	306.7	1	
5	0	-2615	-2	2	0	0	1	303.4	22.0	0.6	0.0	311.6	1	
6	0	-5485	-1	2	0	0	2	636.3	33.0	0.7	0.0	649.0	1	
7	0	-3401	-2	2	0	0	1	394.5	20.7	0.7	0.0	402.4	1	
8	0	-3387	-2	2	0	0	1	392.9	20.7	0.8	0.0	400.8	1	
9	0	-3436	-1	1	0	0	1	398.6	20.6	0.4	0.0	406.5	1	
10	0	-4242	-1	2	0	0	2	492.1	34.5	0.6	0.0	506.2	1	

11	0	-2634	-1	1	0	0	1	305.6	21.6	0.5	0.0	314.3	1
12	0	-2605	-2	2	0	0	1	302.2	21.6	0.7	0.0	311.0	1
13	0	-2657	-1	1	0	0	1	308.2	21.6	0.3	0.0	317.0	1
14	0	-5483	-2	2	0	0	2	636.1	35.6	0.7	0.0	650.6	1
15	0	-3401	-1	2	0	0	1	394.5	20.4	0.7	0.0	402.9	1
16	0	-3372	-2	3	0	0	1	391.2	20.4	0.9	0.0	399.6	1
17	0	-3437	-1	1	0	0	1	398.7	20.4	0.4	0.0	407.1	1
1A	33	-3476	-3	1	0	-0	1	403.2	13.8	1.1	0.0	411.6	1
1E	33	-3470	-3	1	0	-0	1	402.6	13.8	1.1	0.0	411.0	1
1I	33	-3475	-3	1	0	-0	1	403.1	14.6	1.1	0.0	411.8	1
1M	33	-3471	-3	1	0	-0	1	402.7	14.6	1.1	0.0	411.3	1
2	33	-4175	-6	3	0	-1	1	484.3	14.4	2.0	0.0	498.8	1
3	33	-2592	-4	2	0	-1	0	300.7	9.7	1.4	0.0	310.4	1
4	33	-2573	-5	3	0	-1	0	298.5	10.5	1.5	0.0	309.0	1
5	33	-2615	-4	2	0	-1	0	303.4	8.8	1.2	0.0	312.2	1
6	33	-5485	-5	2	0	-1	1	636.3	17.2	1.5	0.0	648.7	1
7	33	-3401	-3	2	0	-1	0	394.5	8.8	1.2	0.0	403.3	1
8	33	-3387	-4	2	0	-1	0	392.9	9.4	1.3	0.0	402.3	1
9	33	-3436	-3	1	0	-0	1	398.6	11.7	0.9	0.0	406.0	1
10	33	-4242	-4	2	0	-0	1	492.1	19.4	1.5	0.0	503.1	1
11	33	-2634	-3	1	0	-0	1	305.6	10.2	1.1	0.0	313.1	1
12	33	-2605	-4	2	0	-1	0	302.2	8.7	1.3	0.0	310.9	1
13	33	-2657	-3	1	0	-0	1	308.2	12.8	0.9	0.0	314.9	1
14	33	-5483	-5	2	0	-1	1	636.1	18.4	1.7	0.0	648.4	1
15	33	-3401	-3	2	0	-1	0	394.5	8.2	1.2	0.0	402.8	1
16	33	-3372	-4	3	0	-1	0	391.2	9.4	1.4	0.0	400.5	1
17	33	-3437	-3	1	0	-0	1	398.7	11.5	0.9	0.0	405.5	1
1A	66	-3476	-5	1	0	-1	-1	403.2	12.1	1.9	0.0	415.3	6
1E	66	-3470	-5	1	0	-1	-1	402.6	12.1	1.9	0.0	414.7	6
1I	66	-3475	-6	1	0	-1	-1	403.1	12.2	1.9	0.0	415.4	6
1M	66	-3471	-6	1	0	-1	-1	402.7	12.2	1.9	0.0	414.9	6
2	66	-4175	-9	3	0	-2	-2	484.3	33.6	3.1	0.0	517.9	6
3	66	-2592	-6	2	0	-2	-1	300.7	25.8	2.0	0.0	326.5	6
4	66	-2573	-6	3	0	-2	-2	298.5	31.1	2.2	0.0	329.6	6
5	66	-2615	-6	2	0	-1	-1	303.4	19.5	1.9	0.0	322.8	6
6	66	-5485	-8	2	0	-1	-1	636.3	20.1	2.6	0.0	656.3	6
7	66	-3401	-5	2	0	-1	-1	394.5	20.0	1.8	0.0	414.5	6
8	66	-3387	-6	2	0	-1	-1	392.9	23.8	1.9	0.0	416.8	6
9	66	-3436	-5	1	0	-1	-1	398.6	10.4	1.6	0.0	408.8	6
10	66	-4242	-7	2	0	-1	-1	492.1	15.6	2.5	0.0	507.7	6
11	66	-2634	-5	1	0	-1	-1	305.6	14.6	1.7	0.0	320.1	6
12	66	-2605	-6	2	0	-1	-1	302.2	22.3	1.9	0.0	324.5	6
13	66	-2657	-5	1	0	-0	-0	308.2	8.1	1.5	0.0	316.3	6
14	66	-5483	-8	2	0	-1	-1	636.1	21.0	2.8	0.0	657.1	6
15	66	-3401	-5	2	0	-1	-1	394.5	20.2	1.8	0.0	414.7	6
16	66	-3372	-6	3	0	-2	-2	391.2	28.0	2.1	0.0	419.2	6
17	66	-3437	-5	1	0	-1	-1	398.7	10.1	1.6	0.0	408.8	6

ASTA NUM. 142 NI 127 NF 211 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1638	-0.5410	--	--	3.9862	1.2815 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2215	3	-1	0	-0	-0	349.3	11.8	1.2	0.0	361.2	1	
1E	0	2255	3	-1	0	-0	-0	355.7	11.8	1.2	0.0	367.6	1	
1I	0	2215	3	-1	0	-0	-0	349.3	9.5	1.1	0.0	358.9	1	
1M	0	2255	3	-1	0	-0	-0	355.7	9.5	1.1	0.0	365.2	1	
2	0	3304	-1	6	0	1	1	521.1	24.7	2.8	0.0	545.8	6	
3	0	1782	-1	4	0	1	1	281.1	15.4	1.8	0.0	296.5	6	
4	0	1431	-1	4	0	1	1	225.7	15.2	1.8	0.0	240.9	6	
5	0	1960	-1	4	0	1	1	309.1	15.4	1.8	0.0	324.6	6	
6	0	3753	3	0	0	-0	-0	592.0	7.9	1.2	0.0	599.8	1	
7	0	1923	2	0	0	-0	-0	303.3	4.8	0.8	0.0	308.1	1	
8	0	1645	2	0	0	-0	-0	259.5	4.7	0.8	0.0	264.2	1	
9	0	2295	2	0	0	-0	-0	362.0	4.9	0.8	0.0	366.9	1	
10	0	3888	-1	6	0	1	1	613.2	24.5	2.8	0.0	637.8	6	
11	0	2126	-1	4	0	1	1	335.3	15.3	1.8	0.0	350.6	6	
12	0	1747	-1	4	0	1	1	275.6	15.1	1.8	0.0	290.7	6	
13	0	2294	-1	4	0	1	1	361.8	15.3	1.8	0.0	377.1	6	
14	0	4397	3	0	0	-0	-0	693.5	9.1	1.3	0.0	702.7	1	
15	0	2309	2	0	0	-0	-0	364.2	4.9	0.8	0.0	369.1	1	
16	0	1968	2	0	0	-0	-0	310.4	4.7	0.8	0.0	315.1	1	
17	0	2646	2	0	0	-0	-0	417.4	5.0	0.8	0.0	422.3	1	
1A	48	2216	1	-1	0	-0	0	349.6	8.6	0.4	0.0	358.2	6	
1E	48	2257	1	-1	0	-0	0	356.0	8.6	0.4	0.0	364.6	6	
1I	48	2216	1	-1	0	-0	0	349.6	8.6	0.4	0.0	358.2	6	
1M	48	2257	1	-1	0	-0	0	355.9	8.6	0.4	0.0	364.5	6	
2	48	3309	-2	2	0	-1	0	521.8	22.6	0.9	0.0	544.5	1	
3	48	1784	-1	1	0	-1	0	281.5	14.0	0.6	0.0	295.5	1	
4	48	1433	-1	1	0	-1	0	226.1	13.9	0.6	0.0	240.0	1	
5	48	1962	-1	1	0	-1	0	309.5	14.1	0.6	0.0	323.7	1	
6	48	3756	0	-1	0	-0	1	592.4	12.1	0.3	0.0	604.4	6	
7	48	1924	0	-0	0	-0	0	303.5	7.6	0.2	0.0	311.2	6	
8	48	1647	0	-0	0	-0	0	259.8	7.5	0.2	0.0	267.3	6	
9	48	2297	0	-0	0	-0	0	362.2	7.6	0.2	0.0	369.8	6	
10	48	3893	-2	2	0	-1	0	614.0	22.7	1.0	0.0	636.7	1	
11	48	2129	-1	1	0	-1	0	335.7	14.1	0.6	0.0	349.8	1	
12	48	1749	-1	1	0	-1	0	275.9	13.9	0.6	0.0	289.9	1	
13	48	2297	-1	1	0	-1	0	362.2	14.2	0.6	0.0	376.4	1	
14	48	4400	0	-1	0	-0	1	694.0	13.0	0.4	0.0	707.0	6	
15	48	2311	0	-0	0	-0	0	364.4	7.6	0.2	0.0	372.0	6	
16	48	1969	0	-0	0	-0	0	310.6	7.5	0.2	0.0	318.1	6	
17	48	2648	0	-0	0	-0	0	417.6	7.6	0.2	0.0	425.2	6	
1A	96	2218	-1	-1	0	0	0	349.8	11.4	0.5	0.0	361.2	1	
1E	96	2258	-1	-1	0	0	0	356.2	11.4	0.5	0.0	367.6	1	
1I	96	2218	-1	-1	0	0	0	349.8	8.9	0.6	0.0	358.7	1	
1M	96	2258	-1	-1	0	0	0	356.2	8.9	0.6	0.0	365.1	1	
2	96	3313	-3	-3	0	-1	-1	522.6	26.0	1.5	0.0	548.6	6	
3	96	1787	-2	-2	0	-1	-1	281.9	16.0	0.9	0.0	297.8	6	
4	96	1436	-2	-2	0	-1	-1	226.5	15.7	0.9	0.0	242.2	6	
5	96	1965	-2	-2	0	-1	-1	309.9	16.2	0.9	0.0	326.1	6	
6	96	3758	-2	-2	0	0	0	592.7	6.7	0.9	0.0	599.5	1	
7	96	1926	-1	-1	0	0	0	303.8	4.5	0.5	0.0	308.3	1	
8	96	1649	-1	-1	0	0	0	260.1	4.7	0.5	0.0	264.7	1	
9	96	2298	-1	-1	0	0	0	362.5	4.1	0.5	0.0	366.6	1	
10	96	3897	-3	-3	0	-1	-1	614.7	26.5	1.5	0.0	641.1	6	
11	96	2131	-2	-2	0	-1	-1	336.1	16.3	0.9	0.0	352.4	6	
12	96	1752	-2	-2	0	-1	-1	276.3	16.0	0.9	0.0	292.3	6	
13	96	2299	-2	-2	0	-1	-1	362.6	16.5	0.9	0.0	379.1	6	
14	96	4403	-2	-2	0	0	0	694.5	8.2	0.9	0.0	702.6	1	
15	96	2312	-1	-1	0	0	0	364.7	4.6	0.5	0.0	369.3	1	
16	96	1971	-1	-1	0	0	0	310.9	4.8	0.5	0.0	315.7	1	
17	96	2649	-1	-1	0	0	0	417.8	4.2	0.6	0.0	422.1	1	

ASTA NUM. 143 NI 129 NF 211 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1638	-0.5410	--	--	3.9862	1.2815 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	2527	3	1	0	1	-0	398.5	13.0	1.2	0.0	411.5	1	
1E	0	2567	3	1	0	1	-0	404.9	13.0	1.2	0.0	417.9	1	
1I	0	2527	2	1	0	1	-0	398.5	14.1	1.1	0.0	412.6	1	
1M	0	2567	2	1	0	1	-0	404.9	14.1	1.1	0.0	419.0	1	
2	0	3507	-1	-6	0	-1	1	553.2	25.5	2.9	0.0	578.6	6	
3	0	2177	-1	-4	0	-1	1	343.4	15.9	1.8	0.0	359.3	6	
4	0	2333	-1	-4	0	-1	1	368.0	16.0	1.8	0.0	384.0	6	
5	0	1873	-1	-4	0	-1	1	295.4	15.8	1.8	0.0	311.2	6	
6	0	4226	3	-0	0	0	-0	666.6	7.4	1.2	0.0	673.9	1	
7	0	2636	2	-0	0	0	-0	415.8	4.5	0.7	0.0	420.3	1	
8	0	2855	2	-0	0	0	-0	450.3	4.7	0.7	0.0	455.0	1	
9	0	2280	2	-0	0	0	-0	359.6	4.5	0.7	0.0	364.1	1	
10	0	4305	-1	-6	0	-1	1	679.0	25.5	2.9	0.0	704.5	6	
11	0	2655	-1	-4	0	-1	1	418.8	15.9	1.8	0.0	434.7	6	
12	0	2835	-1	-4	0	-1	1	447.2	16.0	1.8	0.0	463.2	6	
13	0	2356	-1	-4	0	-1	1	371.6	15.8	1.8	0.0	387.5	6	
14	0	4870	3	-0	0	0	-0	768.1	8.6	1.3	0.0	776.8	1	
15	0	3022	2	-0	0	0	-0	476.7	4.6	0.7	0.0	481.2	1	
16	0	3264	2	-0	0	0	-0	514.8	4.7	0.7	0.0	519.6	1	
17	0	2658	2	-0	0	0	-0	419.2	4.5	0.7	0.0	423.8	1	
1A	48	2528	1	1	0	0	0	398.8	8.7	0.5	0.0	407.5	6	
1E	48	2569	1	1	0	0	0	405.2	8.7	0.5	0.0	413.9	6	
1I	48	2528	1	1	0	0	0	398.8	8.6	0.6	0.0	407.4	6	
1M	48	2569	1	1	0	0	0	405.2	8.6	0.6	0.0	413.8	6	
2	48	3511	-2	-2	0	1	0	553.8	22.7	1.0	0.0	576.5	1	
3	48	2180	-1	-1	0	1	0	343.8	14.2	0.6	0.0	358.0	1	
4	48	2336	-1	-1	0	1	0	368.4	14.4	0.6	0.0	382.7	1	
5	48	1876	-1	-1	0	1	0	295.9	14.1	0.6	0.0	310.0	1	
6	48	4229	0	1	0	0	1	667.0	12.2	0.3	0.0	679.2	6	
7	48	2638	0	0	0	0	0	416.0	7.7	0.2	0.0	423.7	6	
8	48	2857	0	0	0	0	0	450.6	7.8	0.2	0.0	458.3	6	
9	48	2282	0	0	0	0	0	359.9	7.6	0.2	0.0	367.5	6	
10	48	4309	-2	-2	0	1	0	679.7	22.7	1.0	0.0	702.3	1	
11	48	2658	-1	-1	0	1	0	419.2	14.2	0.6	0.0	433.3	1	
12	48	2838	-1	-1	0	1	0	447.6	14.4	0.6	0.0	462.0	1	
13	48	2359	-1	-1	0	1	0	372.1	14.1	0.6	0.0	386.2	1	
14	48	4873	0	1	0	0	1	768.6	13.1	0.3	0.0	781.7	6	
15	48	3024	0	0	0	0	0	476.9	7.7	0.2	0.0	484.5	6	
16	48	3266	0	0	0	0	0	515.1	7.7	0.2	0.0	522.8	6	
17	48	2660	0	0	0	0	0	419.5	7.6	0.2	0.0	427.1	6	

1A	96	2530	-1	1	0	-1	0	399.0	12.7	0.5	0.0	411.7	1
1E	96	2570	-1	1	0	-1	0	405.4	12.7	0.5	0.0	418.1	1
1I	96	2530	-1	1	0	-1	0	399.0	13.8	0.6	0.0	412.9	1
1M	96	2570	-1	1	0	-1	0	405.4	13.8	0.6	0.0	419.2	1
2	96	3515	-3	3	0	1	-1	554.4	26.8	1.5	0.0	581.2	6
3	96	2182	-2	2	0	1	-1	344.2	16.7	0.9	0.0	360.9	6
4	96	2338	-2	2	0	1	-1	368.8	16.9	0.9	0.0	385.7	6
5	96	1879	-2	2	0	1	-1	296.4	16.5	0.9	0.0	312.9	6
6	96	4231	-2	2	0	-0	0	667.4	6.4	0.9	0.0	673.7	1
7	96	2639	-1	1	0	-0	0	416.2	3.8	0.6	0.0	420.1	1
8	96	2858	-1	1	0	-0	0	450.8	3.7	0.6	0.0	454.5	1
9	96	2283	-1	1	0	-0	0	360.1	4.1	0.6	0.0	364.2	1
10	96	4313	-3	3	0	1	-1	680.3	26.8	1.5	0.0	707.0	6
11	96	2660	-2	2	0	1	-1	419.6	16.7	0.9	0.0	436.3	6
12	96	2841	-2	2	0	1	-1	448.1	16.9	0.9	0.0	465.1	6
13	96	2362	-2	2	0	1	-1	372.6	16.5	0.9	0.0	389.0	6
14	96	4876	-2	2	0	-0	0	769.1	7.8	0.9	0.0	776.9	1
15	96	3025	-1	1	0	-0	0	477.1	3.9	0.6	0.0	481.1	1
16	96	3267	-1	1	0	-0	0	515.3	3.7	0.6	0.0	519.0	1
17	96	2661	-1	1	0	-0	0	419.7	4.2	0.6	0.0	423.9	1

ASTA NUM. 144 NI 129 NF 210 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-8.2190	-2.0547	--	--	6.8299	-3.4438 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	17800	4	1	0	0	-1	1148.4	4.4	0.7	0.0	1152.8	6	
1E	0	17880	4	1	0	0	-1	1153.6	4.4	0.7	0.0	1157.9	6	
1I	0	17743	3	1	0	0	-1	1144.7	3.5	0.6	0.0	1148.2	6	
1M	0	17937	3	1	0	0	-1	1157.3	3.5	0.6	0.0	1160.8	6	
2	0	24380	-5	1	0	0	1	1572.9	5.9	0.9	0.0	1578.8	6	
3	0	14290	-3	1	0	0	1	921.9	3.8	0.6	0.0	925.8	6	
4	0	13930	-3	1	0	0	1	898.7	4.0	0.6	0.0	902.7	6	
5	0	13750	-3	1	0	0	1	887.1	3.7	0.6	0.0	890.8	6	
6	0	29740	3	1	0	0	-1	1918.7	4.3	0.5	0.0	1923.0	6	
7	0	17220	2	1	0	0	-0	1111.0	2.4	0.3	0.0	1113.3	6	
8	0	17330	2	1	0	0	-0	1118.1	2.6	0.3	0.0	1120.6	6	
9	0	17060	2	1	0	0	-0	1100.6	2.6	0.3	0.0	1103.2	6	
10	0	28220	-5	1	0	0	1	1820.6	5.1	0.9	0.0	1825.8	6	
11	0	16560	-3	1	0	0	1	1068.4	3.4	0.5	0.0	1071.7	6	
12	0	16120	-3	1	0	0	1	1040.0	3.5	0.5	0.0	1043.5	6	
13	0	16030	-3	1	0	0	1	1034.2	3.2	0.5	0.0	1037.4	6	
14	0	32600	3	1	0	0	-1	2103.2	4.5	0.6	0.0	2107.7	6	
15	0	18900	2	1	0	0	-0	1219.4	2.3	0.3	0.0	1221.6	6	
16	0	18780	2	1	0	0	-0	1211.6	2.5	0.3	0.0	1214.1	6	
17	0	18650	2	1	0	0	-0	1203.2	2.4	0.3	0.0	1205.7	6	
1A	35	17805	1	1	0	-0	0	1148.7	0.7	0.3	0.0	1149.4	6	
1E	35	17885	1	1	0	-0	0	1153.9	0.7	0.3	0.0	1154.6	6	
1I	35	17748	1	1	0	-0	0	1145.0	0.7	0.2	0.0	1145.7	6	
1M	35	17942	1	1	0	-0	0	1157.6	0.7	0.2	0.0	1158.2	6	
2	35	24390	-4	1	0	-0	-1	1573.5	2.8	0.7	0.0	1576.4	6	
3	35	14295	-2	1	0	-0	-0	922.3	1.5	0.5	0.0	923.8	6	
4	35	13935	-3	1	0	0	-0	899.0	1.5	0.5	0.0	900.6	6	
5	35	13755	-2	1	0	-0	-0	887.4	1.6	0.4	0.0	889.0	6	
6	35	29750	1	1	0	-0	-0	1919.4	0.9	0.2	0.0	1920.3	6	
7	35	17225	0	1	0	-0	-0	1111.3	0.4	0.1	0.0	1111.7	1	
8	35	17335	0	1	0	-0	-0	1118.4	0.2	0.2	0.0	1118.6	6	
9	35	17065	0	1	0	-0	-0	1101.0	0.5	0.1	0.0	1101.4	1	
10	35	28225	-4	1	0	-0	-1	1821.0	3.4	0.7	0.0	1824.3	6	
11	35	16565	-2	1	0	-0	-0	1068.7	1.8	0.4	0.0	1070.5	6	
12	35	16125	-2	1	0	0	-0	1040.3	1.9	0.4	0.0	1042.2	6	
13	35	16035	-2	1	0	-0	-0	1034.5	1.9	0.4	0.0	1036.4	6	
14	35	32605	1	1	0	-0	-0	2103.5	0.6	0.2	0.0	2104.1	1	
15	35	18905	0	1	0	-0	0	1219.7	0.3	0.1	0.0	1220.0	1	
16	35	18785	0	1	0	-0	0	1211.9	0.1	0.2	0.0	1212.0	1	
17	35	18655	0	1	0	-0	-0	1203.5	0.4	0.1	0.0	1203.9	1	
1A	69	17810	-1	1	0	-0	0	1149.0	2.1	0.2	0.0	1151.1	1	
1E	69	17890	-1	1	0	-0	0	1154.2	2.1	0.2	0.0	1156.3	1	
1I	69	17753	-1	1	0	-0	0	1145.3	1.8	0.3	0.0	1147.1	1	
1M	69	17947	-1	1	0	-0	0	1157.9	1.8	0.3	0.0	1159.7	1	
2	69	24400	-3	1	0	-0	-2	1574.2	9.9	0.6	0.0	1584.1	6	
3	69	14300	-2	1	0	-0	-1	922.6	5.8	0.3	0.0	928.4	6	
4	69	13940	-2	1	0	-0	-1	899.4	5.8	0.3	0.0	905.2	6	
5	69	13760	-2	1	0	-0	-1	887.7	5.8	0.3	0.0	893.5	6	
6	69	29760	-2	1	0	-1	-0	1920.0	3.5	0.3	0.0	1923.5	1	
7	69	17230	-1	1	0	-0	-0	1111.6	1.9	0.2	0.0	1113.5	1	
8	69	17340	-1	1	0	-0	-0	1118.7	2.0	0.2	0.0	1120.8	1	
9	69	17070	-1	1	0	-0	-0	1101.3	1.9	0.2	0.0	1103.2	1	
10	69	28230	-3	1	0	-0	-2	1821.3	10.2	0.5	0.0	1831.5	6	
11	69	16570	-2	1	0	-0	-1	1069.0	6.0	0.3	0.0	1075.0	6	
12	69	16130	-2	1	0	-0	-1	1040.6	6.0	0.3	0.0	1046.6	6	
13	69	16040	-2	1	0	-0	-1	1034.8	5.9	0.3	0.0	1040.8	6	
14	69	32610	-2	1	0	-1	-0	2103.9	3.2	0.3	0.0	2107.0	1	
15	69	18910	-1	1	0	-0	-0	1220.0	1.8	0.2	0.0	1221.8	1	
16	69	18790	-1	1	0	-0	-0	1212.3	1.9	0.2	0.0	1214.1	1	
17	69	18660	-1	1	0	-0	-0	1203.9	1.8	0.2	0.0	1205.7	1	

ASTA NUM. 145 NI 127 NF 209 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-8.2190	-2.0547	--	--	6.8299	-3.4438 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	17290	4	-1	0	-0	-1	1115.5	4.7	0.7	0.0	1120.2	6	
1E	0	17370	4	-1	0	-0	-1	1120.7	4.7	0.7	0.0	1125.3	6	
1I	0	17233	3	-1	0	-0	-1	1111.8	3.8	0.6	0.0	1115.6	6	
1M	0	17427	3	-1	0	-0	-1	1124.3	3.8	0.6	0.0	1128.2	6	
2	0	24470	-5	-1	0	-0	1	1578.7	4.1	0.9	0.0	1582.8	6	
3	0	14440	-3	-1	0	-0	0	931.6	2.6	0.5	0.0	934.2	6	
4	0	13620	-3	-1	0	-0	0	878.7	2.4	0.5	0.0	881.1	6	
5	0	14220	-3	-1	0	-0	0	917.4	2.6	0.5	0.0	920.1	6	
6	0	28990	3	-1	0	-0	-1	1870.3	5.0	0.5	0.0	1875.3	6	
7	0	16890	2	-1	0	-0	-1	1089.7	3.1	0.3	0.0	1092.8	6	
8	0	16430	2	-1	0	-0	-1	1060.0	2.9	0.4	0.0	1062.9	6	
9	0	17150	2	-1	0	-0	-1	1106.5	3.1	0.3	0.0	1109.6	6	
10	0	27540	-5	-1	0	-0	1	1776.8	4.0	0.9	0.0	1780.8	6	
11	0	16230	-3	-1	0	-0	0	1047.1	2.6	0.5	0.0	1049.6	6	
12	0	15470	-3	-1	0	-0	0	998.1	2.3	0.5	0.0	1000.4	6	
13	0	15980	-3	-1	0	-0	0	1031.0	2.6	0.5	0.0	1033.6	6	
14	0	31840	3	-1	0	-0	-1	2054.2	5.2	0.6	0.0	2059.4	6	
15	0	18570	2	-1	0	-0	-1	1198.1	3.0	0.3	0.0	1201.0	6	
16	0	18100	2	-1	0	-0	-1	1167.7	2.8	0.4	0.0	1170.6	6	
17	0	18670	2	-1	0	-0	-1	1204.5	3.0	0.3	0.0	1207.5	6	
1A	35	17295	2	-1	0	0	0	1115.8	0.6	0.3	0.0	1116.4	1	
1E	35	17375	2	-1	0	0	0	1121.0	0.6	0.3	0.0	1121.5	1	
1I	35	17238	1	-1	0	0	0	1112.1	0.5	0.2	0.0	1112.7	1	
1M	35	17432	1	-1	0	0	0	1124.7	0.5	0.2	0.0	1125.2	1	
2	35	24475	-4	-1	0	0	-1	1579.0	4.1	0.7	0.0	1583.2	6	
3	35	14440	-2	-1	0	0	-0	931.6	2.5	0.4	0.0	934.1	6	
4	35	13625	-2	-1	0	0	-0	879.0	2.4	0.4	0.0	881.5	6	
5	35	14225	-2	-1	0	0	-0	917.7	2.4	0.4	0.0	920.2	6	
6	35	28995	1	-1	0	0	-0	1870.6	1.5	0.2	0.0	1872.2	6	
7	35	16895	0	-1	0	0	-0	1090.0	0.8	0.1	0.0	1090.8	6	
8	35	16435	1	-1	0	0	-0	1060.3	0.8	0.1	0.0	1061.1	1	
9	35	17155	0	-1	0	0	-0	1106.8	0.8	0.1	0.0	1107.6	6	
10	35	27550	-4	-1	0	0	-1	1777.4	4.3	0.7	0.0	1781.7	6	
11	35	16235	-2	-1	0	0	-1	1047.4	2.5	0.4	0.0	1049.9	6	
12	35	15475	-2	-1	0	0	-0	998.4	2.5	0.4	0.0	1000.9	6	
13	35	15980	-2	-1	0	0	-0	1031.0	2.5	0.4	0.0	1033.4	6	
14	35	31850	1	-1	0	0	-0	2054.8	1.0	0.2	0.0	2055.8	6	
15	35	18575	1	-1	0	0	-0	1198.4	0.6	0.1	0.0	1199.0	6	
16	35	18105	1	-1	0	0	-0	1168.1	0.7	0.1	0.0	1168.8	1	
17	35	18670	0	-1	0	0	-0	1204.5	0.6	0.1	0.0	1205.1	6	
1A	69	17300	-1	-1	0	0	0	1116.1	1.9	0.2	0.0	1118.1	1	
1E	69	17380	-1	-1	0	0	0	1121.3	1.9	0.2	0.0	1123.2	1	
1I	69	17243	-1	-1	0	0	-0	1112.4	1.6	0.2	0.0	1114.1	1	
1M	69	17437	-1	-1	0	0	-0	1125.0	1.6	0.2	0.0	1126.6	1	
2	69	24480	-3	-1	0	0	-2	1579.4	10.7	0.5	0.0	1590.1	6	
3	69	14440	-2	-1	0	0	-1	931.6	6.5	0.3	0.0	938.1	6	
4	69	13630	-2	-1	0	0	-1	879.4	6.2	0.3	0.0	885.6	6	
5	69	14230	-2	-1	0	0	-1	918.1	6.5	0.3	0.0	924.5	6	
6	69	29000	-2	-1	0	1	-0	1871.0	3.5	0.3	0.0	1874.4	1	
7	69	16900	-1	-1	0	0	-0	1090.3	2.0	0.2	0.0	1092.3	1	
8	69	16440	-1	-1	0	0	-0	1060.6	1.9	0.2	0.0	1062.5	1	
9	69	17160	-1	-1	0	0	-0	1107.1	2.1	0.2	0.0	1109.2	1	
10	69	27560	-3	-1	0	0	-2	1778.1	10.9	0.5	0.0	1788.9	6	
11	69	16240	-2	-1	0	0	-1	1047.7	6.6	0.3	0.0	1054.3	6	
12	69	15480	-2	-1	0	0	-1	998.7	6.4	0.3	0.0	1005.1	6	
13	69	15980	-2	-1	0	0	-1	1031.0	6.5	0.3	0.0	1037.5	6	
14	69	31860	-2	-1	0	1	-0	2055.5	3.1	0.3	0.0	2058.6	1	
15	69	18580	-1	-1	0	0	-0	1198.7	1.9	0.2	0.0	1200.6	1	
16	69	18110	-1	-1	0	0	-0	1168.4	1.8	0.2	0.0	1170.2	1	
17	69	18670	-1	-1	0	0	-0	1204.5	2.0	0.2	0.0	1206.5	1	

ASTA NUM. 146 NI 208 NF 207 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	404	2	0	0	-0	0	131.2	0.2	1.5	0.0	131.4	1	
1E	0	405	2	0	0	-0	0	131.4	0.2	1.5	0.0	131.6	1	
1I	0	403	2	0	0	-0	0	130.9	0.2	1.5	0.0	131.0	1	
1M	0	406	2	0	0	-0	0	131.7	0.2	1.5	0.0	131.9	1	
2	0	580	2	-5	0	-0	0	188.3	1.9	4.4	0.0	190.2	1	
3	0	333	1	-3	0	-0	0	108.1	1.2	2.8	0.0	109.3	1	
4	0	319	1	-3	0	-0	0	103.4	1.0	2.8	0.0	104.4	1	
5	0	326	1	-3	0	-0	0	106.0	1.2	2.8	0.0	107.2	1	
6	0	657	2	-1	0	-0	0	213.2	0.8	2.1	0.0	214.0	1	
7	0	368	1	-1	0	-0	0	119.6	0.5	1.3	0.0	120.1	1	
8	0	365	1	-1	0	-0	0	118.6	0.2	1.3	0.0	118.8	1	
9	0	376	1	-1	0	-0	0	122.0	0.5	1.3	0.0	122.6	1	
10	0	414	2	-5	0	-0	0	134.5	1.8	4.4	0.0	136.3	1	
11	0	226	1	-3	0	-0	0	73.3	1.1	2.8	0.0	74.5	1	
12	0	213	1	-3	0	-0	0	69.2	0.9	2.8	0.0	70.2	1	
13	0	218	1	-3	0	-0	0	70.6	1.1	2.8	0.0	71.8	1	
14	0	493	2	-1	0	-0	0	160.0	0.7	2.2	0.0	160.7	1	
15	0	263	1	-1	0	-0	0	85.3	0.5	1.3	0.0	85.8	1	
16	0	260	1	-1	0	-0	0	84.5	0.2	1.3	0.0	84.7	1	
17	0	265	1	-1	0	-0	0	86.0	0.5	1.3	0.0	86.5	1	
1A	66	404	-0	0	0	-0	1	131.2	34.2	0.0	0.0	165.4	6	
1E	66	405	-0	0	0	-0	1	131.4	34.2	0.0	0.0	165.6	6	
1I	66	403	-0	0	0	-0	1	130.9	34.2	0.0	0.0	165.1	6	
1M	66	406	-0	0	0	-0	1	131.7	34.2	0.0	0.0	166.0	6	
2	66	580	0	-0	0	2	1	188.3	118.9	0.0	0.0	307.2	1	
3	66	333	0	-0	0	1	0	108.1	74.3	0.0	0.0	182.4	1	
4	66	319	-0	0	0	1	0	103.4	74.3	0.0	0.0	177.7	1	
5	66	326	0	-0	0	1	0	106.0	74.3	0.0	0.0	180.2	1	
6	66	657	-0	0	0	0	1	213.2	57.6	0.0	0.0	270.9	6	
7	66	368	0	-0	0	0	0	119.6	36.0	0.0	0.0	155.5	6	
8	66	365	-0	0	0	0	0	118.6	36.0	0.0	0.0	154.6	6	
9	66	376	0	-0	0	0	0	122.0	36.0	0.0	0.0	158.0	6	
10	66	414	-0	0	0	2	1	134.5	118.8	0.0	0.0	253.3	1	
11	66	226	0	-0	0	1	0	73.3	74.2	0.0	0.0	147.6	1	
12	66	213	-0	0	0	1	0	69.2	74.3	0.0	0.0	143.5	1	
13	66	218	0	-0	0	1	0	70.6	74.3	0.0	0.0	144.9	1	
14	66	493	-0	0	0	0	1	160.0	60.9	0.0	0.0	220.9	6	
15	66	263	0	-0	0	0	0	85.3	35.9	0.0	0.0	121.2	6	
16	66	260	-0	0	0	0	0	84.5	35.9	0.0	0.0	120.4	6	
17	66	265	0	-0	0	0	0	86.0	35.9	0.0	0.0	121.9	6	
1A	133	404	-2	0	0	-0	0	131.2	0.2	1.5	0.0	131.4	1	
1E	133	405	-2	0	0	-0	0	131.4	0.2	1.5	0.0	131.7	1	
1I	133	403	-2	0	0	-0	0	130.9	0.2	1.5	0.0	131.1	1	
1M	133	406	-2	0	0	-0	0	131.7	0.2	1.5	0.0	132.0	1	
2	133	580	-2	5	0	-0	0	188.3	1.8	4.4	0.0	190.1	1	
3	133	333	-1	3	0	-0	0	108.1	1.1	2.8	0.0	109.2	1	
4	133	319	-1	3	0	-0	0	103.4	1.2	2.8	0.0	104.7	1	
5	133	326	-1	3	0	-0	0	106.0	1.0	2.8	0.0	107.0	1	
6	133	657	-2	1	0	-0	0	213.2	0.8	2.1	0.0	214.0	1	
7	133	368	-1	1	0	-0	0	119.6	0.4	1.3	0.0	120.0	1	
8	133	365	-1	1	0	-0	0	118.6	0.7	1.3	0.0	119.3	1	
9	133	376	-1	1	0	-0	0	122.0	0.4	1.3	0.0	122.5	1	
10	133	414	-2	5	0	-0	0	134.5	1.9	4.4	0.0	136.4	1	
11	133	226	-1	3	0	-0	0	73.3	1.1	2.8	0.0	74.5	1	
12	133	213	-1	3	0	-0	0	69.2	1.3	2.8	0.0	70.5	1	
13	133	218	-1	3	0	-0	0	70.6	1.1	2.8	0.0	71.7	1	
14	133	493	-2	1	0	-0	0	160.0	0.8	2.2	0.0	160.8	1	
15	133	263	-1	1	0	-0	0	85.3	0.4	1.3	0.0	85.7	1	
16	133	260	-1	1	0	-0	0	84.5	0.6	1.3	0.0	85.1	1	
17	133	265	-1	1	0	-0	0	86.0	0.4	1.3	0.0	86.4	1	

ASTA NUM. 147 NI 207 NF 161 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6807	-0.1702	--	--	2.3152	1.4642 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-226	1	0	0	0	-0	73.2	0.8	0.9	0.0	74.0	6	
1E	0	-218	1	0	0	0	-0	70.9	0.8	0.9	0.0	71.6	6	
1I	0	-225	1	0	0	0	-0	73.0	0.7	0.9	0.0	73.7	6	
1M	0	-219	1	0	0	0	-0	71.1	0.7	0.9	0.0	71.9	6	
2	0	-173	1	2	0	0	-0	56.3	1.7	1.9	0.0	58.0	6	
3	0	-55	1	1	0	0	-0	17.8	0.9	1.2	0.0	18.7	6	
4	0	-455	1	1	0	0	-0	147.6	0.9	1.2	0.0	148.4	6	
5	0	7	1	1	0	0	-0	2.4	1.0	1.2	0.0	3.4	3	
6	0	-352	1	1	0	0	-0	114.2	1.6	1.2	0.0	115.9	6	
7	0	-138	1	0	0	0	-0	44.9	0.8	0.7	0.0	45.7	6	
8	0	-645	1	0	0	0	0	209.3	0.5	0.7	0.0	209.8	1	
9	0	-69	1	0	0	0	-0	22.5	1.0	0.7	0.0	23.5	6	
10	0	-298	1	2	0	0	-0	96.9	2.0	1.9	0.0	98.8	6	
11	0	-132	1	1	0	0	-0	42.8	1.1	1.2	0.0	43.8	6	
12	0	-514	1	1	0	0	-0	166.9	1.0	1.2	0.0	167.8	6	
13	0	-71	1	1	0	0	-0	23.1	1.1	1.2	0.0	24.2	6	
14	0	-323	1	1	0	0	-0	104.7	1.6	1.3	0.0	106.3	6	
15	0	-119	1	0	0	0	-0	38.6	0.7	0.7	0.0	39.3	6	
16	0	-596	1	0	0	0	0	193.6	0.4	0.7	0.0	194.0	1	
17	0	-51	1	0	0	0	-0	16.6	0.9	0.7	0.0	17.5	6	
1A	43	-225	-0	0	0	-0	0	73.1	12.8	0.0	0.0	85.9	6	
1E	43	-218	-0	0	0	-0	0	70.8	12.8	0.0	0.0	83.6	6	
1I	43	-224	-0	0	0	-0	0	72.9	12.8	0.0	0.0	85.7	6	
1M	43	-219	-0	0	0	-0	0	71.0	12.8	0.0	0.0	83.8	6	
2	43	-171	-0	0	0	-0	0	55.6	33.2	0.0	0.0	88.8	1	
3	43	-53	-0	0	0	-0	0	17.4	20.7	0.0	0.0	38.1	1	
4	43	-453	-0	0	0	-0	0	147.2	20.6	0.0	0.0	167.8	1	
5	43	8	-0	0	0	-0	0	2.7	20.8	0.0	0.0	23.5	1	
6	43	-351	-0	0	0	-0	0	114.0	18.9	0.0	0.0	132.8	6	
7	43	-138	-0	0	0	-0	0	44.7	12.0	0.0	0.0	56.7	6	
8	43	-644	-0	0	0	-0	0	209.2	11.9	0.0	0.0	221.1	6	
9	43	-69	-0	0	0	-0	0	22.4	11.9	0.0	0.0	34.2	6	
10	43	-296	-0	0	0	-0	0	96.2	33.1	0.0	0.0	129.4	1	
11	43	-131	-0	0	0	-0	0	42.4	20.7	0.0	0.0	63.1	1	
12	43	-513	-0	0	0	-0	0	166.5	20.6	0.0	0.0	187.0	1	
13	43	-70	-0	0	0	-0	0	22.7	20.8	0.0	0.0	43.5	1	
14	43	-322	-0	0	0	-0	0	104.4	20.2	0.0	0.0	124.6	6	
15	43	-118	-0	0	0	-0	0	38.4	12.0	0.0	0.0	50.4	6	
16	43	-596	-0	0	0	-0	0	193.4	11.9	0.0	0.0	205.4	6	
17	43	-50	-0	0	0	-0	0	16.4	11.8	0.0	0.0	28.2	6	
1A	87	-225	-1	0	0	-0	-0	73.0	2.5	1.0	0.0	75.5	6	
1E	87	-218	-1	0	0	-0	-0	70.7	2.5	1.0	0.0	73.1	6	
1I	87	-224	-1	0	0	-0	-0	72.8	2.5	1.0	0.0	75.3	6	
1M	87	-219	-1	0	0	-0	-0	70.9	2.5	1.0	0.0	73.5	6	
2	87	-170	-1	-2	0	-0	-0	55.0	2.7	1.9	0.0	57.7	6	
3	87	-52	-1	-1	0	-0	-0	17.0	1.5	1.2	0.0	18.5	6	
4	87	-452	-1	-1	0	-0	-0	146.8	1.5	1.2	0.0	148.3	6	
5	87	10	-1	-1	0	-0	-0	3.1	1.7	1.2	0.0	4.8	6	
6	87	-350	-1	-0	0	-0	-0	113.7	3.4	1.2	0.0	117.1	6	
7	87	-137	-1	-0	0	-0	-0	44.6	1.9	0.8	0.0	46.5	6	
8	87	-644	-1	-0	0	-0	-0	209.0	1.9	0.8	0.0	210.9	6	
9	87	-68	-1	-0	0	-0	-0	22.2	2.1	0.8	0.0	24.3	6	
10	87	-295	-1	-2	0	-0	-0	95.6	2.9	1.9	0.0	98.5	6	
11	87	-129	-1	-1	0	-0	-0	42.0	1.7	1.2	0.0	43.7	6	
12	87	-512	-1	-1	0	-0	-0	166.1	1.6	1.2	0.0	167.6	6	
13	87	-69	-1	-1	0	-0	-0	22.3	1.8	1.2	0.0	24.1	6	
14	87	-321	-1	-0	0	-0	-0	104.2	3.7	1.3	0.0	107.9	6	
15	87	-118	-1	-0	0	-0	-0	38.3	2.0	0.8	0.0	40.3	6	
16	87	-595	-1	-0	0	-0	-0	193.2	1.9	0.8	0.0	195.2	6	
17	87	-50	-1	-0	0	-0	-0	16.2	2.2	0.8	0.0	18.4	6	

ASTA NUM. 148 NI 139 NF 207 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6808	-0.1702	--	--	2.3152	1.4642 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-315	1	-0	0	-0	0	102.1	0.5	0.9	0.0	102.7	1	
1E	0	-305	1	-0	0	-0	0	98.9	0.5	0.9	0.0	99.4	1	
1I	0	-311	1	-0	0	-0	0	101.0	0.5	0.9	0.0	101.6	1	
1M	0	-308	1	-0	0	-0	0	100.0	0.5	0.9	0.0	100.5	1	
2	0	-593	1	-2	0	-0	0	192.4	2.3	1.9	0.0	194.7	6	
3	0	-385	1	-1	0	-0	0	125.1	1.2	1.2	0.0	126.3	6	
4	0	34	1	-1	0	-0	0	10.9	1.1	1.2	0.0	12.0	1	
5	0	-438	1	-1	0	-0	0	142.3	1.3	1.2	0.0	143.6	6	
6	0	-512	1	-1	0	-0	0	166.3	1.7	1.2	0.0	168.0	1	
7	0	-346	1	-0	0	-0	0	112.4	0.6	0.8	0.0	113.0	1	
8	0	164	1	-0	0	-0	0	53.1	0.7	0.8	0.0	53.8	1	
9	0	-425	1	-0	0	-0	0	138.1	0.7	0.8	0.0	138.8	1	
10	0	-251	1	-2	0	-0	0	81.4	2.9	1.9	0.0	84.3	6	
11	0	-168	1	-1	0	-0	0	54.5	1.6	1.2	0.0	56.1	6	
12	0	231	1	-1	0	-0	0	74.9	1.3	1.2	0.0	76.2	6	
13	0	-218	1	-1	0	-0	0	70.7	1.7	1.2	0.0	72.4	6	
14	0	-327	1	-1	0	-0	0	106.1	1.9	1.3	0.0	108.0	6	
15	0	-227	1	-0	0	-0	0	73.8	1.0	0.7	0.0	74.8	6	
16	0	253	1	-0	0	-0	0	82.1	0.6	0.7	0.0	82.8	1	
17	0	-298	1	-0	0	-0	0	96.8	1.2	0.7	0.0	98.0	6	
1A	43	-314	0	-0	0	-0	0	102.0	14.6	0.0	0.0	116.6	6	
1E	43	-304	0	-0	0	-0	0	98.8	14.6	0.0	0.0	113.4	6	

1I	43	-311	0	-0	0	-0	0	100.9	14.6	0.0	0.0	115.5	6
1M	43	-308	0	-0	0	-0	0	99.9	14.6	0.0	0.0	114.5	6
2	43	-591	-0	-0	0	0	0	191.8	33.3	0.0	0.0	225.1	1
3	43	-384	-0	-0	0	0	0	124.7	20.8	0.0	0.0	145.5	1
4	43	35	-0	-0	0	0	0	11.3	20.7	0.0	0.0	32.0	1
5	43	-437	-0	-0	0	0	0	141.9	20.8	0.0	0.0	162.8	1
6	43	-511	-0	-0	0	0	0	166.0	21.5	0.0	0.0	187.6	6
7	43	-346	0	-0	0	0	0	112.2	13.3	0.0	0.0	125.6	6
8	43	164	-0	-0	0	0	0	53.3	13.1	0.0	0.0	66.4	6
9	43	-425	0	-0	0	0	0	137.9	13.5	0.0	0.0	151.4	6
10	43	-249	-0	-0	0	0	0	80.8	33.1	0.0	0.0	113.9	1
11	43	-167	-0	-0	0	0	0	54.1	20.7	0.0	0.0	74.8	1
12	43	232	-0	-0	0	0	0	75.3	20.6	0.0	0.0	95.9	1
13	43	-217	-0	-0	0	0	0	70.3	20.7	0.0	0.0	91.0	1
14	43	-326	-0	-0	0	0	0	105.8	23.2	0.0	0.0	129.0	6
15	43	-227	-0	-0	0	0	0	73.7	13.5	0.0	0.0	87.1	6
16	43	254	-0	-0	0	0	0	82.3	13.2	0.0	0.0	95.5	6
17	43	-298	-0	-0	0	0	0	96.6	13.6	0.0	0.0	110.3	6
1A	87	-314	-1	-0	0	-0	0	101.9	0.8	0.9	0.0	102.7	6
1E	87	-304	-1	-0	0	-0	0	98.7	0.8	0.9	0.0	99.5	6
1I	87	-311	-1	-0	0	-0	0	100.8	0.7	0.9	0.0	101.5	6
1M	87	-307	-1	-0	0	-0	0	99.8	0.7	0.9	0.0	100.5	6
2	87	-589	-1	2	0	0	0	191.2	0.2	1.9	0.0	191.3	6
3	87	-383	-1	1	0	0	0	124.3	0.1	1.2	0.0	124.4	1
4	87	36	-1	1	0	-0	-0	11.6	0.2	1.2	0.0	11.9	4
5	87	-436	-1	1	0	0	0	141.6	0.1	1.2	0.0	141.7	6
6	87	-511	-1	0	0	-0	0	165.8	0.9	1.2	0.0	166.6	6
7	87	-345	-1	0	0	0	0	112.1	0.4	0.8	0.0	112.5	6
8	87	165	-1	0	0	-0	0	53.5	0.2	0.8	0.0	53.7	6
9	87	-424	-1	0	0	0	0	137.7	0.6	0.8	0.0	138.3	6
10	87	-247	-1	2	0	-0	0	80.2	0.4	1.9	0.0	80.6	6
11	87	-166	-1	1	0	-0	0	53.7	0.2	1.2	0.0	53.9	1
12	87	233	-1	1	0	-0	-0	75.7	0.3	1.2	0.0	76.0	1
13	87	-215	-1	1	0	-0	0	69.9	0.3	1.2	0.0	70.2	6
14	87	-325	-1	0	0	-0	0	105.6	1.1	1.3	0.0	106.7	6
15	87	-226	-1	0	0	-0	0	73.5	0.5	0.8	0.0	74.0	6
16	87	254	-1	0	0	-0	0	82.5	0.3	0.8	0.0	82.8	1
17	87	-297	-1	0	0	-0	0	96.5	0.7	0.8	0.0	97.2	6

ASTA NUM. 149 NI 208 NF 161 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6807	-0.1702	--	--	2.3152	1.4642 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-131	1	-0	0	-0	-0	42.6	0.9	0.9	0.0	43.5	6	
1E	0	-124	1	-0	0	-0	-0	40.2	0.9	0.9	0.0	41.1	6	
1I	0	-130	1	-0	0	-0	-0	42.3	0.8	0.9	0.0	43.1	6	
1M	0	-125	1	-0	0	-0	-0	40.5	0.8	0.9	0.0	41.3	6	
2	0	-329	1	-2	0	-0	-0	106.9	2.2	1.9	0.0	109.2	6	
3	0	-234	1	-1	0	-0	-0	75.8	1.4	1.2	0.0	77.2	6	
4	0	169	1	-1	0	0	-0	54.8	1.4	1.2	0.0	56.2	6	
5	0	-302	1	-1	0	-0	-0	98.0	1.3	1.2	0.0	99.2	6	
6	0	-230	1	-1	0	-0	-0	74.7	1.8	1.2	0.0	76.6	6	
7	0	-189	1	-0	0	-0	-0	61.3	1.2	0.7	0.0	62.4	6	
8	0	314	1	-0	0	0	-0	101.9	1.2	0.7	0.0	103.2	6	
9	0	-277	1	-0	0	-0	-0	90.0	1.0	0.7	0.0	91.1	6	
10	0	-172	1	-2	0	-0	-0	55.8	2.1	1.9	0.0	57.9	6	
11	0	-134	1	-1	0	-0	-0	43.5	1.3	1.2	0.0	44.9	6	
12	0	244	1	-1	0	0	-0	79.2	1.4	1.2	0.0	80.6	6	
13	0	-198	1	-1	0	-0	-0	64.2	1.2	1.2	0.0	65.3	6	
14	0	-201	1	-1	0	-0	-0	65.2	1.8	1.3	0.0	67.0	6	
15	0	-169	1	-0	0	-0	-0	55.0	1.1	0.7	0.0	56.1	6	
16	0	295	1	-0	0	0	-0	95.6	1.3	0.7	0.0	96.9	6	
17	0	-249	1	-0	0	-0	-0	81.0	1.0	0.7	0.0	81.9	6	
1A	43	-131	-0	-0	0	0	0	42.5	12.7	0.0	0.0	55.2	6	
1E	43	-124	-0	-0	0	0	0	40.1	12.7	0.0	0.0	52.8	6	
1I	43	-130	-0	-0	0	0	0	42.2	12.7	0.0	0.0	54.9	6	
1M	43	-125	-0	-0	0	0	0	40.4	12.7	0.0	0.0	53.1	6	
2	43	-328	-0	-0	0	0	0	106.3	33.2	0.0	0.0	139.5	1	
3	43	-232	-0	-0	0	0	0	75.5	20.7	0.0	0.0	96.2	1	
4	43	170	-0	-0	0	0	0	55.2	20.9	0.0	0.0	76.1	1	
5	43	-301	-0	-0	0	0	0	97.6	20.7	0.0	0.0	118.3	1	
6	43	-229	-0	-0	0	0	0	74.4	18.7	0.0	0.0	93.1	6	
7	43	-188	-0	-0	0	0	0	61.1	11.6	0.0	0.0	72.7	6	
8	43	315	-0	-0	0	0	0	102.1	11.7	0.0	0.0	113.8	6	
9	43	-277	-0	-0	0	0	0	89.9	11.7	0.0	0.0	101.6	6	
10	43	-170	-0	-0	0	0	0	55.2	33.2	0.0	0.0	88.4	1	
11	43	-133	-0	-0	0	0	0	43.2	20.7	0.0	0.0	63.9	1	
12	43	245	-0	-0	0	0	0	79.6	20.9	0.0	0.0	100.5	1	
13	43	-196	-0	-0	0	0	0	63.8	20.7	0.0	0.0	84.5	1	
14	43	-200	-0	-0	0	0	0	65.0	20.0	0.0	0.0	84.9	6	
15	43	-169	-0	-0	0	0	0	54.8	11.6	0.0	0.0	66.4	6	
16	43	295	-0	-0	0	0	0	95.8	11.6	0.0	0.0	107.4	6	
17	43	-249	-0	-0	0	0	0	80.8	11.7	0.0	0.0	92.5	6	
1A	87	-131	-1	-0	0	0	-0	42.4	2.6	1.0	0.0	45.0	6	
1E	87	-123	-1	-0	0	0	-0	40.1	2.6	1.0	0.0	42.7	6	
1I	87	-130	-1	-0	0	0	-0	42.1	2.7	1.0	0.0	44.8	6	
1M	87	-124	-1	-0	0	0	-0	40.3	2.7	1.0	0.0	43.0	6	
2	87	-326	-1	2	0	0	-0	105.7	3.3	1.9	0.0	109.0	6	
3	87	-231	-1	1	0	0	-0	75.1	2.1	1.2	0.0	77.2	6	
4	87	171	-1	1	0	0	-0	55.6	2.1	1.2	0.0	57.7	6	
5	87	-299	-1	1	0	0	-0	97.2	2.0	1.2	0.0	99.1	6	
6	87	-229	-1	0	0	0	-0	74.2	3.7	1.2	0.0	77.9	6	
7	87	-188	-1	0	0	0	-0	61.0	2.4	0.8	0.0	63.4	6	
8	87	315	-1	0	0	0	-0	102.3	2.4	0.8	0.0	104.7	6	
9	87	-276	-1	0	0	0	-0	89.7	2.2	0.8	0.0	91.9	6	
10	87	-168	-1	2	0	0	-0	54.6	3.2	1.9	0.0	57.8	6	
11	87	-132	-1	1	0	0	-0	42.8	2.1	1.2	0.0	44.8	6	
12	87	246	-1	1	0	0	-0	80.0	2.1	1.2	0.0	82.1	6	
13	87	-195	-1	1	0	0	-0	63.4	1.9	1.2	0.0	65.3	6	
14	87	-199	-1	0	0	0	-0	64.7	4.0	1.3	0.0	68.7	6	
15	87	-168	-1	0	0	0	-0	54.7	2.5	0.8	0.0	57.2	6	
16	87	295	-1	0	0	0	-0	95.9	2.6	0.8	0.0	98.5	6	
17	87	-248	-1	0	0	0	-0	80.6	2.3	0.8	0.0	82.9	6	

ASTA NUM. 150 NI 139 NF 208 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.6808	-0.1702	--	--	2.3152	1.4642 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-409	1	0	0	0	0	132.7	0.6	0.9	0.0	133.3	1	
1E	0	-399	1	0	0	0	0	129.5	0.6	0.9	0.0	130.1	1	
1I	0	-405	1	0	0	0	0	131.6	0.7	0.9	0.0	132.3	1	
1M	0	-402	1	0	0	0	0	130.6	0.7	0.9	0.0	131.3	1	
2	0	-437	1	2	0	0	0	141.9	2.6	1.9	0.0	144.5	6	
3	0	-207	1	1	0	0	0	67.1	1.6	1.2	0.0	68.7	1	
4	0	-590	1	1	0	0	0	191.5	1.6	1.2	0.0	193.1	6	
5	0	-130	1	1	0	0	0	42.1	1.4	1.2	0.0	43.5	1	
6	0	-634	1	1	0	0	0	205.8	1.7	1.2	0.0	207.5	1	
7	0	-296	1	0	0	0	0	96.1	0.8	0.8	0.0	96.9	1	
8	0	-795	1	0	0	0	0	258.0	1.1	0.8	0.0	259.1	6	
9	0	-217	1	0	0	0	0	70.6	0.7	0.8	0.0	71.2	1	
10	0	-377	1	2	0	0	0	122.4	3.0	1.9	0.0	125.3	6	
11	0	-166	1	1	0	0	0	53.8	1.8	1.2	0.0	55.5	6	
12	0	-527	1	1	0	0	0	171.0	1.9	1.2	0.0	172.9	6	
13	0	-91	1	1	0	0	0	29.6	1.6	1.2	0.0	31.2	6	
14	0	-448	1	1	0	0	0	145.6	2.0	1.3	0.0	147.6	6	
15	0	-177	1	0	0	0	0	57.5	1.3	0.7	0.0	58.8	6	
16	0	-637	1	0	0	0	0	206.9	1.5	0.7	0.0	208.4	6	
17	0	-100	1	0	0	0	0	32.4	1.1	0.7	0.0	33.5	6	
1A	43	-408	0	0	0	0	0	132.6	14.7	0.0	0.0	147.3	6	
1E	43	-399	0	0	0	0	0	129.4	14.7	0.0	0.0	144.1	6	
1I	43	-405	0	0	0	0	0	131.5	14.8	0.0	0.0	146.3	6	
1M	43	-402	0	0	0	0	0	130.5	14.8	0.0	0.0	145.3	6	
2	43	-435	-0	0	0	-0	0	141.2	33.1	0.0	0.0	174.3	1	
3	43	-206	-0	0	0	-0	0	66.8	20.7	0.0	0.0	87.4	1	
4	43	-589	-0	0	0	-0	0	191.1	20.8	0.0	0.0	211.9	1	
5	43	-129	-0	0	0	-0	0	41.7	20.7	0.0	0.0	62.4	1	
6	43	-633	0	0	0	-0	0	205.5	21.7	0.0	0.0	227.3	6	
7	43	-296	0	0	0	-0	0	95.9	13.6	0.0	0.0	109.5	6	
8	43	-794	0	0	0	-0	0	257.8	13.8	0.0	0.0	271.6	6	
9	43	-217	0	0	0	-0	0	70.4	13.4	0.0	0.0	83.8	6	
10	43	-375	-0	0	0	-0	0	121.8	33.2	0.0	0.0	155.0	1	
11	43	-164	-0	0	0	-0	0	53.4	20.7	0.0	0.0	74.1	1	
12	43	-526	-0	0	0	-0	0	170.6	20.9	0.0	0.0	191.5	1	
13	43	-90	-0	0	0	-0	0	29.2	20.7	0.0	0.0	50.0	1	
14	43	-448	-0	0	0	-0	0	145.3	23.4	0.0	0.0	168.7	6	
15	43	-177	-0	0	0	-0	0	57.4	13.7	0.0	0.0	71.1	6	
16	43	-637	-0	0	0	-0	0	206.8	14.0	0.0	0.0	220.7	6	
17	43	-99	-0	0	0	-0	0	32.2	13.6	0.0	0.0	45.8	6	
1A	87	-408	-1	0	0	0	0	132.5	0.9	0.9	0.0	133.5	6	
1E	87	-398	-1	0	0	0	0	129.3	0.9	0.9	0.0	130.2	6	
1I	87	-405	-1	0	0	0	0	131.4	0.9	0.9	0.0	132.3	6	
1M	87	-402	-1	0	0	0	0	130.4	0.9	0.9	0.0	131.3	6	
2	87	-433	-1	-2	0	0	0	140.6	0.7	1.9	0.0	141.3	6	
3	87	-204	-1	-1	0	0	0	66.4	0.5	1.2	0.0	66.9	6	
4	87	-587	-1	-1	0	0	0	190.7	0.7	1.2	0.0	191.4	6	
5	87	-127	-1	-1	0	0	0	41.3	0.4	1.2	0.0	41.7	6	
6	87	-632	-1	-0	0	0	0	205.3	1.2	1.2	0.0	206.4	6	

7	87	-295	-1	-0	0	0	0	95.8	0.9	0.7	0.0	96.7	6
8	87	-794	-1	-0	0	0	0	257.7	1.0	0.7	0.0	258.7	6
9	87	-216	-1	-0	0	0	0	70.2	0.6	0.7	0.0	70.9	6
10	87	-373	-1	-2	0	0	0	121.1	0.7	1.9	0.0	121.8	6
11	87	-163	-1	-1	0	0	0	53.0	0.5	1.2	0.0	53.5	6
12	87	-524	-1	-1	0	0	0	170.3	0.7	1.2	0.0	171.0	6
13	87	-89	-1	-1	0	0	0	28.8	0.4	1.2	0.0	29.2	1
14	87	-447	-1	-0	0	0	0	145.1	1.4	1.3	0.0	146.5	6
15	87	-176	-1	-0	0	0	0	57.2	1.0	0.8	0.0	58.2	6
16	87	-636	-1	-0	0	0	0	206.6	1.2	0.8	0.0	207.8	6
17	87	-99	-1	-0	0	0	0	32.1	0.7	0.8	0.0	32.8	6

ASTA NUM. 151 NI 129 NF 208 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1600	-0.5400	--	--	8.5659	5.8659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13681	3	0	0	0	-0	1121.4	0.3	0.8	0.0	1121.7	1	
1E	0	-13619	3	0	0	0	-0	1116.3	0.3	0.8	0.0	1116.6	1	
1I	0	-13706	3	0	0	0	0	1123.4	0.8	0.7	0.0	1124.2	6	
1M	0	-13594	3	0	0	0	0	1114.3	0.8	0.7	0.0	1115.1	6	
2	0	-20630	0	1	0	0	1	1691.0	8.1	0.3	0.0	1699.1	6	
3	0	-12190	0	1	0	0	1	999.2	4.9	0.2	0.0	1004.1	6	
4	0	-12050	0	1	0	0	1	987.7	4.7	0.2	0.0	992.4	6	
5	0	-11570	0	1	0	0	1	948.4	4.5	0.2	0.0	952.8	6	
6	0	-22640	3	1	0	0	0	1855.7	3.3	0.7	0.0	1859.1	6	
7	0	-13140	2	1	0	0	0	1077.0	1.8	0.5	0.0	1078.9	6	
8	0	-13390	2	0	0	0	0	1097.5	1.7	0.5	0.0	1099.3	6	
9	0	-12760	2	1	0	0	0	1045.9	1.4	0.5	0.0	1047.3	6	
10	0	-17380	0	1	0	0	1	1424.6	8.1	0.3	0.0	1432.7	6	
11	0	-10050	0	1	0	0	1	823.8	4.8	0.2	0.0	828.6	6	
12	0	-9862	0	1	0	0	1	808.4	4.6	0.1	0.0	812.9	6	
13	0	-9445	0	1	0	0	1	774.2	4.4	0.2	0.0	778.6	6	
14	0	-20650	4	1	0	0	0	1692.6	3.4	0.9	0.0	1696.1	6	
15	0	-11800	2	1	0	0	0	967.2	2.2	0.5	0.0	969.4	6	
16	0	-11890	2	0	0	0	0	974.6	2.1	0.5	0.0	976.7	6	
17	0	-11350	2	1	0	0	0	930.3	1.8	0.5	0.0	932.2	6	
1A	28	-13681	1	0	0	-0	1	1121.4	4.5	0.2	0.0	1125.9	6	
1E	28	-13619	1	0	0	-0	1	1116.3	4.5	0.2	0.0	1120.9	6	
1I	28	-13706	1	0	0	-0	1	1123.4	4.4	0.1	0.0	1127.9	6	
1M	28	-13594	1	0	0	-0	1	1114.3	4.4	0.1	0.0	1118.7	6	
2	28	-20630	-2	1	0	0	1	1691.0	5.4	0.5	0.0	1696.3	6	
3	28	-12185	-1	1	0	0	0	998.8	3.5	0.3	0.0	1002.2	6	
4	28	-12045	-1	1	0	0	0	987.3	3.3	0.3	0.0	990.6	6	
5	28	-11570	-1	1	0	0	0	948.4	3.2	0.3	0.0	951.6	6	
6	28	-22640	0	1	0	-0	1	1855.7	6.2	0.2	0.0	1862.0	6	
7	28	-13135	0	1	0	-0	1	1076.6	4.0	0.1	0.0	1080.6	6	
8	28	-13390	0	0	0	-0	1	1097.5	4.1	0.1	0.0	1101.6	6	
9	28	-12760	0	1	0	-0	1	1045.9	3.7	0.1	0.0	1049.6	6	
10	28	-17375	-2	1	0	0	1	1424.2	5.2	0.5	0.0	1429.4	6	
11	28	-10045	-1	1	0	0	0	823.4	3.4	0.3	0.0	826.7	6	
12	28	-9860	-1	1	0	0	0	808.2	3.2	0.3	0.0	811.4	6	
13	28	-9442	-1	1	0	0	0	774.0	3.2	0.3	0.0	777.1	6	
14	28	-20645	0	1	0	-0	1	1692.2	7.1	0.2	0.0	1699.3	6	
15	28	-11800	0	1	0	-0	1	967.2	4.3	0.1	0.0	971.5	6	
16	28	-11890	0	0	0	-0	1	974.6	4.4	0.1	0.0	979.0	6	
17	28	-11350	0	1	0	-0	1	930.3	4.0	0.1	0.0	934.4	6	
1A	56	-13681	-1	0	0	-0	1	1121.4	4.4	0.3	0.0	1125.7	6	
1E	56	-13619	-1	0	0	-0	1	1116.3	4.4	0.3	0.0	1120.7	6	
1I	56	-13706	-2	0	0	-0	0	1123.4	3.7	0.4	0.0	1127.1	6	
1M	56	-13594	-2	0	0	-0	0	1114.3	3.7	0.4	0.0	1118.0	6	
2	56	-20630	-5	1	0	-0	-0	1691.0	2.7	1.1	0.0	1693.7	1	
3	56	-12180	-3	1	0	-0	-0	998.4	1.5	0.6	0.0	999.8	1	
4	56	-12040	-3	1	0	-0	-0	986.9	1.5	0.6	0.0	988.3	1	
5	56	-11570	-3	1	0	-0	-0	948.4	1.4	0.6	0.0	949.8	1	
6	56	-22640	-3	1	0	-0	0	1855.7	3.8	0.7	0.0	1859.6	6	
7	56	-13130	-2	1	0	-0	0	1076.2	2.9	0.4	0.0	1079.1	6	
8	56	-13390	-2	0	0	-0	0	1097.5	2.7	0.4	0.0	1100.2	6	
9	56	-12760	-2	1	0	-0	0	1045.9	2.7	0.4	0.0	1048.6	6	
10	56	-17370	-5	1	0	-0	-0	1423.8	2.7	1.1	0.0	1426.4	1	
11	56	-10040	-3	1	0	-0	-0	823.0	1.4	0.6	0.0	824.4	1	
12	56	-9858	-3	1	0	-0	-0	808.0	1.4	0.6	0.0	809.5	1	
13	56	-9440	-3	1	0	-0	-0	773.8	1.4	0.6	0.0	775.1	1	
14	56	-20640	-3	1	0	-0	1	1691.8	5.0	0.7	0.0	1696.8	6	
15	56	-11800	-2	1	0	-0	0	967.2	3.1	0.4	0.0	970.3	6	
16	56	-11890	-2	0	0	-0	0	974.6	2.9	0.4	0.0	977.5	6	
17	56	-11350	-2	1	0	-0	0	930.3	2.9	0.4	0.0	933.3	6	

ASTA NUM. 152 NI 208 NF 142 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1600	-0.5400	--	--	8.5659	5.8659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13855	-5	-1	0	-0	1	1135.7	5.3	1.1	0.0	1141.0	6	
1E	0	-13785	-5	-1	0	-0	1	1129.9	5.3	1.1	0.0	1135.2	6	
1I	0	-13875	-5	-1	0	-0	1	1137.3	6.0	1.2	0.0	1143.3	6	
1M	0	-13765	-5	-1	0	-0	1	1128.3	6.0	1.2	0.0	1134.3	6	
2	0	-20690	-5	-1	0	-0	-0	1695.9	2.3	1.1	0.0	1698.2	1	
3	0	-12160	-3	-1	0	-0	-0	996.7	1.2	0.7	0.0	998.0	1	
4	0	-12530	-3	-1	0	-0	-0	1027.0	1.3	0.7	0.0	1028.3	1	
5	0	-11450	-3	-1	0	-0	-0	938.5	1.2	0.6	0.0	939.7	1	
6	0	-22890	-7	-2	0	-0	0	1876.2	4.0	1.5	0.0	1880.2	6	
7	0	-13200	-4	-1	0	-0	0	1082.0	3.0	0.9	0.0	1085.0	6	
8	0	-14100	-4	-1	0	-0	0	1155.7	2.8	0.9	0.0	1158.6	6	
9	0	-12720	-4	-1	0	-0	0	1042.6	2.7	0.9	0.0	1045.4	6	
10	0	-17500	-5	-1	0	-0	-0	1434.4	2.3	1.1	0.0	1436.8	1	
11	0	-10060	-3	-1	0	-0	-0	824.6	1.2	0.7	0.0	825.8	1	
12	0	-10350	-3	-1	0	-0	-0	848.4	1.3	0.7	0.0	849.6	1	
13	0	-9365	-3	-1	0	-0	-0	767.6	1.1	0.7	0.0	768.8	1	
14	0	-20800	-7	-1	0	-0	1	1704.9	5.1	1.6	0.0	1710.1	6	
15	0	-11800	-4	-1	0	-0	0	967.2	3.2	0.9	0.0	970.4	6	
16	0	-12490	-4	-1	0	-0	0	1023.8	3.1	0.9	0.0	1026.9	6	
17	0	-11250	-4	-1	0	-0	0	922.1	3.0	0.9	0.0	925.1	6	
1A	28	-13855	-7	-1	0	0	-1	1135.7	7.1	1.7	0.0	1142.8	6	
1E	28	-13785	-7	-1	0	0	-1	1129.9	7.1	1.7	0.0	1137.0	6	
1I	28	-13875	-7	-1	0	0	-1	1137.3	6.9	1.7	0.0	1144.2	6	
1M	28	-13765	-7	-1	0	0	-1	1128.3	6.9	1.7	0.0	1135.2	6	
2	28	-20685	-7	-1	0	0	-2	1695.5	13.7	1.7	0.0	1709.2	6	
3	28	-12155	-4	-1	0	0	-1	996.3	7.9	1.0	0.0	1004.2	6	
4	28	-12525	-4	-1	0	0	-1	1026.6	7.8	1.0	0.0	1034.5	6	
5	28	-11450	-4	-1	0	0	-1	938.5	7.7	1.0	0.0	946.3	6	
6	28	-22890	-10	-2	0	0	-2	1876.2	13.6	2.3	0.0	1889.8	6	
7	28	-13200	-6	-1	0	0	-1	1082.0	7.5	1.4	0.0	1089.5	6	
8	28	-14100	-6	-1	0	0	-1	1155.7	7.8	1.4	0.0	1163.5	6	
9	28	-12720	-6	-1	0	0	-1	1042.6	7.6	1.4	0.0	1050.2	6	
10	28	-17495	-7	-1	0	0	-2	1434.0	14.1	1.7	0.0	1448.1	6	
11	28	-10055	-4	-1	0	0	-1	824.2	8.0	1.0	0.0	832.2	6	
12	28	-10345	-4	-1	0	0	-1	848.0	8.0	1.0	0.0	855.9	6	
13	28	-9362	-4	-1	0	0	-1	767.4	7.9	1.0	0.0	775.3	6	
14	28	-20795	-10	-1	0	0	-2	1704.5	13.1	2.4	0.0	1717.6	6	
15	28	-11800	-6	-1	0	0	-1	967.2	7.3	1.4	0.0	974.5	6	
16	28	-12490	-6	-1	0	0	-1	1023.8	7.5	1.4	0.0	1031.3	6	
17	28	-11250	-6	-1	0	0	-1	922.1	7.4	1.4	0.0	929.5	6	
1A	56	-13855	-9	-1	0	0	-3	1135.7	24.4	2.2	0.0	1160.0	6	
1E	56	-13785	-9	-1	0	0	-3	1129.9	24.4	2.2	0.0	1154.3	6	
1I	56	-13875	-10	-1	0	0	-3	1137.3	24.6	2.3	0.0	1161.9	6	
1M	56	-13765	-10	-1	0	0	-3	1128.3	24.6	2.3	0.0	1152.9	6	
2	56	-20680	-10	-1	0	1	-4	1695.1	31.7	2.3	0.0	1726.8	6	
3	56	-12150	-6	-1	0	0	-3	995.9	18.8	1.4	0.0	1014.7	6	
4	56	-12520	-6	-1	0	0	-3	1026.2	18.7	1.4	0.0	1044.9	6	
5	56	-11450	-6	-1	0	0	-2	938.5	18.4	1.4	0.0	956.9	6	
6	56	-22890	-13	-2	0	1	-5	1876.2	37.3	3.0	0.0	1913.5	6	
7	56	-13200	-8	-1	0	0	-3	1082.0	21.9	1.8	0.0	1103.8	6	
8	56	-14100	-8	-1	0	0	-3	1155.7	22.3	1.9	0.0	1178.0	6	
9	56	-12720	-8	-1	0	0	-3	1042.6	21.9	1.8	0.0	1064.5	6	
10	56	-17490	-10	-1	0	0	-4	1433.6	32.1	2.3	0.0	1465.7	6	
11	56	-10050	-6	-1	0	0	-3	823.8	18.9	1.4	0.0	842.7	6	
12	56	-10340	-6	-1	0	0	-3	847.5	18.8	1.4	0.0	866.3	6	
13	56	-9360	-6	-1	0	0	-3	767.2	18.5	1.4	0.0	785.7	6	
14	56	-20790	-14	-1	0	1	-5	1704.1	38.1	3.2	0.0	1742.2	6	
15	56	-11800	-8	-1	0	0	-3	967.2	21.7	1.8	0.0	989.0	6	
16	56	-12490	-8	-1	0	0	-3	1023.8	22.0	1.9	0.0	1045.7	6	
17	56	-11250	-8	-1	0	0	-3	922.1	21.6	1.8	0.0	943.7	6	

ASTA NUM. 153 NI 127 NF 207 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1600	-0.5400	--	--	8.5659	5.8659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13851	3	-0	0	-0	-0	1135.3	0.8	0.8	0.0	1136.1	6	
1E	0	-13789	3	-0	0	-0	-0	1130.3	0.8	0.8	0.0	1131.1	6	
1I	0	-13876	3	-0	0	-0	-0	1137.3	0.4	0.7	0.0	1137.8	1	
1M	0	-13764	3	-0	0	-0	-0	1128.2	0.4	0.7	0.0	1128.6	1	
2	0	-17840	1	-1	0	-0	1	1462.3	5.6	0.3	0.0	1467.9	6	

3	0	-10330	1	-1	0	-0	0	846.7	3.0	0.2	0.0	849.8	6
4	0	-9476	1	-1	0	-0	0	776.7	2.7	0.2	0.0	779.5	6
5	0	-10310	1	-1	0	-0	0	845.1	3.0	0.2	0.0	848.1	6
6	0	-22580	3	-1	0	-0	0	1850.8	2.3	0.8	0.0	1853.1	6
7	0	-12940	2	-0	0	-0	0	1060.7	0.9	0.5	0.0	1061.5	1
8	0	-12380	2	-1	0	-0	0	1014.8	1.4	0.6	0.0	1016.2	1
9	0	-13400	2	-1	0	-0	0	1098.4	1.1	0.5	0.0	1099.4	1
10	0	-17610	1	-1	0	-0	1	1443.4	6.6	0.3	0.0	1450.0	6
11	0	-10090	0	-1	0	-0	0	827.0	3.6	0.2	0.0	830.7	6
12	0	-9257	1	-1	0	-0	0	758.8	3.3	0.2	0.0	762.1	6
13	0	-10020	1	-1	0	-0	0	821.3	3.6	0.2	0.0	824.9	6
14	0	-20590	4	-1	0	-0	0	1687.7	2.3	0.9	0.0	1690.0	6
15	0	-11600	2	-0	0	-0	0	950.8	1.2	0.5	0.0	952.0	6
16	0	-11010	2	-1	0	-0	0	902.5	1.5	0.6	0.0	903.9	1
17	0	-11910	2	-0	0	-0	0	976.2	1.4	0.5	0.0	977.6	6
1A	28	-13846	1	-0	0	0	1	1134.9	4.1	0.3	0.0	1139.0	6
1E	28	-13784	1	-0	0	0	1	1129.9	4.1	0.3	0.0	1134.0	6
1I	28	-13871	1	-0	0	0	1	1136.9	4.0	0.2	0.0	1141.0	6
1M	28	-13759	1	-0	0	0	1	1127.8	4.0	0.2	0.0	1131.8	6
2	28	-17835	-2	-1	0	-0	1	1461.9	3.8	0.4	0.0	1465.7	6
3	28	-10330	-1	-1	0	-0	0	846.7	2.3	0.2	0.0	849.0	6
4	28	-9474	-1	-1	0	-0	0	776.6	2.3	0.2	0.0	778.9	6
5	28	-10305	-1	-1	0	-0	0	844.7	2.3	0.2	0.0	846.9	6
6	28	-22580	0	-1	0	0	1	1850.8	5.4	0.2	0.0	1856.2	6
7	28	-12935	0	-0	0	0	0	1060.2	3.3	0.1	0.0	1063.6	6
8	28	-12380	1	-1	0	-0	0	1014.8	3.2	0.2	0.0	1017.9	6
9	28	-13395	0	-1	0	0	0	1098.0	3.3	0.1	0.0	1101.3	6
10	28	-17605	-2	-1	0	-0	1	1443.0	4.3	0.4	0.0	1447.3	6
11	28	-10085	-1	-1	0	-0	0	826.6	2.6	0.2	0.0	829.2	6
12	28	-9254	-1	-1	0	-0	0	758.6	2.5	0.2	0.0	761.1	6
13	28	-10020	-1	-1	0	-0	0	821.3	2.6	0.2	0.0	823.9	6
14	28	-20585	1	-1	0	0	1	1687.3	6.3	0.2	0.0	1693.6	6
15	28	-11600	0	-0	0	0	0	950.8	3.6	0.1	0.0	954.5	6
16	28	-11005	0	-1	0	-0	0	902.0	3.4	0.1	0.0	905.5	6
17	28	-11910	0	-0	0	0	0	976.2	3.7	0.1	0.0	979.9	6
1A	56	-13841	-1	-0	0	0	1	1134.5	4.3	0.3	0.0	1138.7	6
1E	56	-13779	-1	-0	0	0	1	1129.5	4.3	0.3	0.0	1133.7	6
1I	56	-13866	-2	-0	0	0	0	1136.5	3.5	0.4	0.0	1140.0	6
1M	56	-13754	-2	-0	0	0	0	1127.4	3.5	0.4	0.0	1130.9	6
2	56	-17830	-4	-1	0	0	-0	1461.5	2.8	1.0	0.0	1464.3	1
3	56	-10330	-2	-1	0	0	-0	846.7	1.6	0.6	0.0	848.3	1
4	56	-9472	-2	-1	0	0	-0	776.4	1.4	0.5	0.0	777.8	1
5	56	-10300	-2	-1	0	0	-0	844.3	1.6	0.6	0.0	845.9	1
6	56	-22580	-3	-1	0	0	0	1850.8	3.5	0.7	0.0	1854.4	6
7	56	-12930	-2	-0	0	0	0	1059.8	2.4	0.4	0.0	1062.3	6
8	56	-12380	-1	-1	0	0	0	1014.8	2.7	0.3	0.0	1017.4	6
9	56	-13390	-2	-1	0	0	0	1097.5	2.3	0.4	0.0	1099.9	6
10	56	-17600	-4	-1	0	0	-0	1442.6	2.9	1.0	0.0	1445.6	6
11	56	-10080	-3	-1	0	0	-0	826.2	1.5	0.6	0.0	827.8	6
12	56	-9252	-2	-1	0	0	-0	758.4	1.4	0.6	0.0	759.7	1
13	56	-10020	-3	-1	0	0	-0	821.3	1.5	0.6	0.0	822.8	6
14	56	-20580	-3	-1	0	0	1	1686.9	4.7	0.7	0.0	1691.6	6
15	56	-11600	-2	-0	0	0	0	950.8	2.6	0.4	0.0	953.5	6
16	56	-11000	-2	-1	0	0	0	901.6	2.7	0.4	0.0	904.4	6
17	56	-11910	-2	-0	0	0	0	976.2	2.6	0.4	0.0	978.8	6

ASTA NUM. 154 NI 207 NF 140 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1600	-0.5400	--	--	8.5659	5.8659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-13905	-5	1	0	0	1	1139.8	5.2	1.1	0.0	1144.9	6	
1E	0	-13835	-5	1	0	0	1	1134.0	5.2	1.1	0.0	1139.2	6	
1I	0	-13925	-5	1	0	0	1	1141.4	5.9	1.1	0.0	1147.3	6	
1M	0	-13815	-5	1	0	0	1	1132.4	5.9	1.1	0.0	1138.3	6	
2	0	-18090	-4	1	0	0	-0	1482.8	2.6	1.0	0.0	1485.4	6	
3	0	-10530	-3	1	0	0	-0	863.1	1.4	0.6	0.0	864.5	1	
4	0	-9150	-2	1	0	0	-0	750.0	1.2	0.6	0.0	751.2	1	
5	0	-10580	-3	1	0	0	-0	867.2	1.4	0.6	0.0	868.6	1	
6	0	-22680	-6	2	0	0	0	1859.0	3.7	1.5	0.0	1862.7	6	
7	0	-13060	-4	1	0	0	0	1070.5	2.5	0.9	0.0	1073.0	6	
8	0	-11850	-4	1	0	0	0	971.3	2.7	0.8	0.0	974.0	6	
9	0	-13620	-4	1	0	0	0	1116.4	2.4	0.9	0.0	1118.8	6	
10	0	-17560	-5	1	0	0	-0	1439.3	2.7	1.1	0.0	1442.0	6	
11	0	-10100	-3	1	0	0	-0	827.9	1.4	0.6	0.0	829.3	6	
12	0	-8765	-3	1	0	0	-0	718.4	1.2	0.6	0.0	719.7	6	
13	0	-10110	-3	1	0	0	-0	828.7	1.4	0.6	0.0	830.1	6	
14	0	-20580	-7	1	0	0	1	1686.9	4.8	1.6	0.0	1691.7	6	
15	0	-11660	-4	1	0	0	0	955.7	2.7	0.9	0.0	958.4	6	
16	0	-10450	-4	1	0	0	0	856.6	2.7	0.9	0.0	859.3	6	
17	0	-12070	-4	1	0	0	0	989.3	2.7	0.9	0.0	992.0	6	
1A	28	-13905	-7	1	0	-0	-1	1139.8	7.0	1.6	0.0	1146.8	6	
1E	28	-13835	-7	1	0	-0	-1	1134.0	7.0	1.6	0.0	1141.0	6	
1I	28	-13925	-7	1	0	-0	-1	1141.4	6.8	1.7	0.0	1148.2	6	
1M	28	-13815	-7	1	0	-0	-1	1132.4	6.8	1.7	0.0	1139.2	6	
2	28	-18085	-7	1	0	-0	-2	1482.4	13.3	1.6	0.0	1495.7	6	
3	28	-10530	-4	1	0	-0	-1	863.1	7.8	1.0	0.0	870.9	6	
4	28	-9148	-4	1	0	-0	-1	749.8	7.2	0.9	0.0	757.1	6	
5	28	-10580	-4	1	0	-0	-1	867.2	7.8	1.0	0.0	875.0	6	
6	28	-22675	-9	2	0	-0	-2	1858.6	13.3	2.2	0.0	1872.0	6	
7	28	-13060	-6	1	0	-0	-1	1070.5	7.6	1.3	0.0	1078.1	6	
8	28	-11850	-6	1	0	-0	-1	971.3	7.2	1.3	0.0	978.5	6	
9	28	-13620	-6	1	0	-0	-1	1116.4	7.9	1.4	0.0	1124.3	6	
10	28	-17555	-7	1	0	-0	-2	1438.9	14.0	1.6	0.0	1452.9	6	
11	28	-10095	-4	1	0	-0	-1	827.5	8.2	1.0	0.0	835.6	6	
12	28	-8763	-4	1	0	-0	-1	718.3	7.7	1.0	0.0	726.0	6	
13	28	-10105	-4	1	0	-0	-1	828.3	8.1	1.0	0.0	836.4	6	
14	28	-20580	-10	1	0	-0	-2	1686.9	12.9	2.3	0.0	1699.8	6	
15	28	-11660	-6	1	0	-0	-1	955.7	7.5	1.4	0.0	963.2	6	
16	28	-10450	-6	1	0	-0	-1	856.6	7.2	1.3	0.0	863.7	6	
17	28	-12065	-6	1	0	-0	-1	988.9	7.6	1.4	0.0	996.5	6	
1A	56	-13905	-9	1	0	-0	-3	1139.8	24.0	2.2	0.0	1163.7	6	
1E	56	-13835	-9	1	0	-0	-3	1134.0	24.0	2.2	0.0	1158.0	6	
1I	56	-13925	-10	1	0	-0	-3	1141.4	24.3	2.2	0.0	1165.7	6	
1M	56	-13815	-10	1	0	-0	-3	1132.4	24.3	2.2	0.0	1156.7	6	
2	56	-18080	-9	1	0	-0	-4	1482.0	30.2	2.2	0.0	1512.2	6	
3	56	-10530	-6	1	0	-0	-2	863.1	18.0	1.3	0.0	881.1	6	
4	56	-9146	-5	1	0	-0	-2	749.7	17.1	1.3	0.0	766.8	6	
5	56	-10580	-6	1	0	-0	-2	867.2	18.0	1.3	0.0	885.2	6	
6	56	-22670	-13	2	0	-1	-5	1858.2	36.6	3.0	0.0	1894.8	6	
7	56	-13060	-8	1	0	-0	-3	1070.5	21.7	1.8	0.0	1092.2	6	
8	56	-11850	-8	1	0	-0	-3	971.3	21.0	1.8	0.0	992.3	6	
9	56	-13620	-8	1	0	-0	-3	1116.4	22.1	1.8	0.0	1138.5	6	
10	56	-17550	-9	1	0	-0	-4	1438.5	31.4	2.2	0.0	1469.9	6	
11	56	-10090	-6	1	0	-0	-3	827.0	18.7	1.3	0.0	845.7	6	
12	56	-8761	-6	1	0	-0	-2	718.1	17.9	1.3	0.0	736.0	6	
13	56	-10100	-6	1	0	-0	-3	827.9	18.5	1.3	0.0	846.4	6	
14	56	-20580	-13	1	0	-1	-5	1686.9	37.3	3.1	0.0	1724.2	6	
15	56	-11660	-8	1	0	-0	-3	955.7	21.6	1.8	0.0	977.3	6	
16	56	-10450	-8	1	0	-0	-3	856.6	21.0	1.8	0.0	877.6	6	
17	56	-12060	-8	1	0	-0	-3	988.5	21.8	1.8	0.0	1010.3	6	

ASTA NUM. 155 NI 129 NF 139 Lungh. 66.3 cm SEZ. 13 Ps L 75X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-1596	2	-0	0	-0	0	216.9	3.1	0.8	0.0	220.0	1	
1E	0	-1566	2	-0	0	-0	0	212.7	3.1	0.8	0.0	215.9	1	
1I	0	-1593	2	-0	0	-0	0	216.5	3.0	0.8	0.0	219.5	1	
1M	0	-1569	2	-0	0	-0	0	213.2	3.0	0.8	0.0	216.2	1	
2	0	-2185	3	-0	0	-0	-0	296.9	2.5	1.2	0.0	299.4	1	
3	0	-1363	2	-0	0	-0	0	185.2	1.5	0.7	0.0	186.7	1	
4	0	-1462	2	-0	0	-0	0	198.6	1.8	0.7	0.0	200.4	1	
5	0	-1178	2	-0	0	-0	-0	160.1	1.4	0.7	0.0	161.5	1	
6	0	-2628	3	-1	0	-0	-0	357.1	4.5	1.2	0.0	361.6	1	
7	0	-1648	2	-0	0	-0	0	223.9	2.9	0.7	0.0	226.8	1	
8	0	-1784	2	-0	0	-0	0	242.4	3.3	0.7	0.0	245.7	1	
9	0	-1429	2	-0	0	-0	-0	194.2	2.7	0.7	0.0	196.9	1	
10	0	-2544	3	-0	0	-0	-0	345.7	2.6	1.1	0.0	348.2	1	
11	0	-1575	2	-0	0	-0	0	214.0	1.6	0.7	0.0	215.5	1	
12	0	-1689	2	-0	0	-0	0	229.5	2.0	0.7	0.0	231.5	1	
13	0	-1394	2	-0	0	-0	-0	189.4	1.5	0.7	0.0	190.9	1	
14	0	-2918	3	-1	0	-0	0	396.5	4.7	1.2	0.0	401.2	1	
15	0	-1820	2	-0	0	-0	0	247.3	3.1	0.7	0.0	250.4	1	
16	0	-1970	2	-0	0	-0	0	267.7	3.6	0.6	0.0	271.2	1	
17	0	-1596	2	-0	0	-0	-0	216.8	2.8	0.7	0.0	219.6	1	
1A	33	-1596	0	-0	0	-0	0	216.9	5.6	0.2	0.0	222.5	6	
1E	33	-1566	0	-0	0	-0	0	212.7	5.6	0.2	0.0	218.4	6	
1I	33	-1593	0	-0	0	-0	0	216.5	5.6	0.2	0.0	222.1	6	
1M	33	-1569	0	-0	0	-0	0	213.2	5.6	0.2	0.0	218.8	6	
2	33	-2185	0	-0	0	-0	0	296.9	7.1	0.2	0.0	304.0	6	
3	33	-1363	0	-0	0	-0	0	185.2	4.5	0.1	0.0	189.7	6	
4	33	-1462	0	-0	0	-0	0	198.6	4.9	0.1	0.0	203.5	6	
5	33	-1178	0	-0	0	-0	0	160.1	4.3	0.1	0.0	164.3	6	
6	33	-2628	0	-1	0	-0	1	357.1	7.9	0.3	0.0	364.9	6	
7	33	-1648	0	-0	0	-0	0	223.9	5.1	0.2	0.0	229.0	6	
8	33	-1784	0	-0	0	-0	0	242.4	5.5	0.2	0.0	247.8	6	
9	33	-1429	0	-0	0	-0	0	194.2	4.7	0.2	0.0	198.9	6	

10	33	-2544	0	-0	0	-0	0	345.7	7.1	0.2	0.0	352.7	6
11	33	-1575	0	-0	0	-0	0	214.0	4.5	0.1	0.0	218.5	6
12	33	-1689	-0	-0	0	-0	0	229.5	4.9	0.1	0.0	234.4	6
13	33	-1394	0	-0	0	0	0	189.4	4.3	0.1	0.0	193.7	6
14	33	-2918	0	-1	0	-0	1	396.5	8.2	0.3	0.0	404.7	6
15	33	-1820	0	-0	0	-0	0	247.3	5.0	0.2	0.0	252.3	6
16	33	-1970	-0	-0	0	-0	0	267.7	5.4	0.2	0.0	273.1	6
17	33	-1596	0	-0	0	-0	0	216.8	4.6	0.2	0.0	221.5	6
1A	66	-1596	-2	-0	0	0	0	216.9	1.9	0.7	0.0	218.7	6
1E	66	-1566	-2	-0	0	0	0	212.7	1.9	0.7	0.0	214.6	6
1I	66	-1593	-2	-0	0	0	0	216.5	1.9	0.7	0.0	218.3	6
1M	66	-1569	-2	-0	0	0	0	213.2	1.9	0.7	0.0	215.0	6
2	66	-2185	-2	-0	0	0	0	296.9	2.5	1.0	0.0	299.4	1
3	66	-1363	-2	-0	0	0	0	185.2	1.5	0.6	0.0	186.7	1
4	66	-1462	-2	-0	0	0	0	198.6	1.4	0.7	0.0	200.0	1
5	66	-1178	-1	-0	0	0	0	160.1	1.5	0.6	0.0	161.6	6
6	66	-2628	-2	-1	0	0	0	357.1	3.1	1.0	0.0	360.2	6
7	66	-1648	-2	-0	0	0	0	223.9	1.8	0.6	0.0	225.7	6
8	66	-1784	-2	-0	0	0	0	242.4	1.6	0.7	0.0	244.0	6
9	66	-1429	-1	-0	0	0	0	194.2	2.0	0.6	0.0	196.1	6
10	66	-2544	-2	-0	0	0	0	345.7	2.8	1.0	0.0	348.5	1
11	66	-1575	-2	-0	0	0	0	214.0	1.7	0.6	0.0	215.7	1
12	66	-1689	-2	-0	0	0	0	229.5	1.5	0.7	0.0	231.0	1
13	66	-1394	-2	-0	0	0	0	189.4	1.7	0.6	0.0	191.1	1
14	66	-2918	-3	-1	0	0	0	396.5	3.2	1.1	0.0	399.7	1
15	66	-1820	-2	-0	0	0	0	247.3	1.9	0.6	0.0	249.1	1
16	66	-1970	-2	-0	0	0	0	267.7	1.7	0.7	0.0	269.4	1
17	66	-1596	-2	-0	0	0	0	216.8	1.9	0.6	0.0	218.8	1

ASTA NUM. 156 NI 139 NF 127 Lungh. 66.3 cm SEZ. 13 Ps L 75X 5

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 5.7776 5.7776 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1439	2	0	0	0	0	195.5	2.0	0.7	0.0	197.5	6	
1E	0	-1409	2	0	0	0	0	191.4	2.0	0.7	0.0	193.4	6	
1I	0	-1436	2	0	0	0	0	195.1	2.0	0.7	0.0	197.1	6	
1M	0	-1412	2	0	0	0	0	191.8	2.0	0.7	0.0	193.8	6	
2	0	-2067	2	0	0	0	0	280.8	2.6	0.9	0.0	283.4	6	
3	0	-1122	1	0	0	0	0	152.4	1.6	0.6	0.0	154.1	6	
4	0	-909	1	0	0	0	0	123.6	1.7	0.5	0.0	125.3	6	
5	0	-1233	1	0	0	0	0	167.5	1.5	0.6	0.0	169.0	6	
6	0	-2388	2	1	0	0	0	324.5	3.3	0.9	0.0	327.7	6	
7	0	-1238	1	0	0	0	0	168.2	2.0	0.5	0.0	170.2	6	
8	0	-1068	1	0	0	0	0	145.1	2.2	0.5	0.0	147.3	6	
9	0	-1466	1	0	0	0	0	199.2	1.9	0.6	0.0	201.1	6	
10	0	-2334	2	0	0	0	0	317.1	2.6	0.9	0.0	319.7	1	
11	0	-1276	1	0	0	0	0	173.4	1.5	0.6	0.0	174.9	1	
12	0	-1047	1	0	0	0	0	142.3	1.6	0.5	0.0	143.9	6	
13	0	-1381	2	0	0	0	0	187.6	1.4	0.6	0.0	189.1	1	
14	0	-2678	3	1	0	0	0	363.9	3.1	1.0	0.0	366.9	1	
15	0	-1409	1	0	0	0	0	191.4	1.8	0.6	0.0	193.3	6	
16	0	-1202	1	0	0	0	0	163.3	2.0	0.5	0.0	165.3	6	
17	0	-1617	2	0	0	0	0	219.7	1.7	0.6	0.0	221.4	1	
1A	33	-1439	-0	0	0	-0	0	195.5	5.1	0.2	0.0	200.7	6	
1E	33	-1409	-0	0	0	-0	0	191.4	5.1	0.2	0.0	196.6	6	
1I	33	-1436	-0	0	0	-0	0	195.1	5.1	0.2	0.0	200.2	6	
1M	33	-1412	-0	0	0	-0	0	191.8	5.1	0.2	0.0	196.9	6	
2	33	-2067	-0	0	0	0	0	280.8	6.7	0.2	0.0	287.5	6	
3	33	-1122	-0	0	0	0	0	152.4	4.1	0.1	0.0	156.5	6	
4	33	-909	-0	0	0	0	0	123.6	3.8	0.1	0.0	127.3	6	
5	33	-1233	-0	0	0	0	0	167.5	4.2	0.1	0.0	171.8	6	
6	33	-2388	-0	1	0	-0	0	324.5	7.2	0.2	0.0	331.7	6	
7	33	-1238	-0	0	0	-0	0	168.2	4.3	0.1	0.0	172.5	6	
8	33	-1068	-0	0	0	-0	0	145.1	3.9	0.2	0.0	149.0	6	
9	33	-1466	-0	0	0	-0	0	199.2	4.7	0.1	0.0	203.8	6	
10	33	-2334	-0	0	0	0	0	317.1	6.5	0.1	0.0	323.7	6	
11	33	-1276	-0	0	0	0	0	173.4	4.0	0.1	0.0	177.4	6	
12	33	-1047	-0	0	0	0	0	142.3	3.7	0.1	0.0	145.9	6	
13	33	-1381	-0	0	0	0	0	187.6	4.2	0.1	0.0	191.8	6	
14	33	-2678	-0	1	0	-0	1	363.9	7.6	0.3	0.0	371.4	6	
15	33	-1409	-0	0	0	-0	0	191.4	4.2	0.1	0.0	195.7	6	
16	33	-1202	-0	0	0	-0	0	163.3	3.8	0.2	0.0	167.1	6	
17	33	-1617	-0	0	0	-0	0	219.7	4.6	0.1	0.0	224.3	6	
1A	66	-1439	-2	0	0	-0	-0	195.5	3.0	0.9	0.0	198.5	1	
1E	66	-1409	-2	0	0	-0	-0	191.4	3.0	0.9	0.0	194.4	1	
1I	66	-1436	-2	0	0	-0	-0	195.1	2.7	0.9	0.0	197.8	1	
1M	66	-1412	-2	0	0	-0	-0	191.8	2.7	0.9	0.0	194.6	1	
2	66	-2067	-3	0	0	-0	-0	280.8	2.0	1.2	0.0	282.9	6	
3	66	-1122	-2	0	0	-0	-0	152.4	1.4	0.8	0.0	153.9	6	
4	66	-909	-2	0	0	-0	-0	123.6	2.2	0.8	0.0	125.7	6	
5	66	-1233	-2	0	0	-0	-0	167.5	1.0	0.7	0.0	168.5	6	
6	66	-2388	-3	1	0	-0	-0	324.5	4.2	1.2	0.0	328.6	1	
7	66	-1238	-2	0	0	-0	-0	168.2	2.3	0.8	0.0	170.6	1	
8	66	-1068	-2	0	0	-0	-0	145.1	2.9	0.8	0.0	148.0	6	
9	66	-1466	-2	0	0	-0	-0	199.2	2.4	0.7	0.0	201.6	1	
10	66	-2334	-3	0	0	-0	-0	317.1	2.2	1.2	0.0	319.3	1	
11	66	-1276	-2	0	0	-0	-0	173.4	1.5	0.8	0.0	174.8	6	
12	66	-1047	-2	0	0	-0	-0	142.3	2.2	0.8	0.0	144.5	6	
13	66	-1381	-2	0	0	-0	-0	187.6	1.2	0.7	0.0	188.8	1	
14	66	-2678	-3	1	0	-0	-0	363.9	4.4	1.3	0.0	368.2	1	
15	66	-1409	-2	0	0	-0	-0	191.4	2.4	0.8	0.0	193.9	1	
16	66	-1202	-2	0	0	-0	-0	163.3	2.8	0.8	0.0	166.1	6	
17	66	-1617	-2	0	0	-0	-0	219.7	2.5	0.7	0.0	222.2	1	

ASTA NUM. 157 NI 129 NF 230 Lungh. 81.1 cm SEZ. 21 Ps L 75X 6

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5031	-0	1	0	0	0	575.0	5.7	0.3	0.0	580.7	1	
1E	0	-4975	-0	1	0	0	0	568.6	5.7	0.3	0.0	574.3	1	
1I	0	-5013	-0	1	0	0	0	572.9	5.8	0.3	0.0	578.8	1	
1M	0	-4993	-0	1	0	0	0	570.6	5.8	0.3	0.0	576.4	1	
2	0	-6201	-0	-3	0	1	0	708.7	8.4	1.1	0.0	717.1	1	
3	0	-3619	-0	-2	0	0	0	413.6	4.7	0.7	0.0	418.3	1	
4	0	-3242	-0	-2	0	0	0	370.5	4.7	0.7	0.0	375.2	1	
5	0	-4002	-0	-2	0	0	0	457.4	4.5	0.7	0.0	461.9	1	
6	0	-8604	-0	0	0	1	0	983.3	10.2	0.2	0.0	993.5	1	
7	0	-4981	-0	0	0	0	0	569.3	5.5	0.1	0.0	574.8	1	
8	0	-4658	-0	0	0	0	0	532.3	5.8	0.1	0.0	538.2	1	
9	0	-5574	-0	0	0	0	0	637.0	5.6	0.1	0.0	642.7	1	
10	0	-5569	-0	-3	0	1	0	636.5	12.2	0.9	0.0	648.7	1	
11	0	-3222	-0	-2	0	1	0	368.2	7.0	0.6	0.0	375.2	1	
12	0	-2750	-0	-2	0	1	0	314.3	7.0	0.6	0.0	321.3	1	
13	0	-3603	-0	-2	0	1	0	411.8	6.9	0.6	0.0	418.6	1	
14	0	-7596	-1	1	0	1	0	868.1	13.9	0.3	0.0	882.0	1	
15	0	-4346	-0	0	0	1	0	496.7	7.9	0.2	0.0	504.5	1	
16	0	-3867	-0	0	0	1	0	441.9	8.1	0.2	0.0	450.1	1	
17	0	-4934	-0	0	0	1	0	563.9	7.9	0.2	0.0	571.8	1	
1A	41	-5028	-0	1	0	0	0	574.6	1.1	0.3	0.0	575.8	1	
1E	41	-4972	-0	1	0	0	0	568.2	1.1	0.3	0.0	569.4	1	
1I	41	-5010	-0	1	0	0	0	572.6	1.0	0.3	0.0	573.6	1	
1M	41	-4990	-0	1	0	0	0	570.3	1.0	0.3	0.0	571.3	1	
2	41	-6197	-0	2	0	1	0	708.2	11.2	0.7	0.0	719.4	1	
3	41	-3617	-0	1	0	1	0	413.3	6.8	0.4	0.0	420.1	1	
4	41	-3240	-0	1	0	1	0	370.2	6.9	0.4	0.0	377.1	1	
5	41	-4000	-0	1	0	1	0	457.1	6.8	0.4	0.0	463.9	1	
6	41	-8600	-0	2	0	0	0	982.9	4.6	0.5	0.0	987.5	1	
7	41	-4979	-0	1	0	0	0	569.0	2.6	0.3	0.0	571.6	1	
8	41	-4656	-0	1	0	0	0	532.1	2.8	0.3	0.0	534.8	1	
9	41	-5572	-0	1	0	0	0	636.7	2.7	0.3	0.0	639.4	1	
10	41	-5565	-0	3	0	1	0	636.0	12.1	0.9	0.0	648.1	1	
11	41	-3220	-0	2	0	1	0	367.9	7.4	0.5	0.0	375.3	1	
12	41	-2748	-0	2	0	1	0	314.0	7.5	0.5	0.0	321.5	1	
13	41	-3601	-0	2	0	1	0	411.5	7.4	0.5	0.0	418.9	1	
14	41	-7592	-1	2	0	0	0	867.6	5.2	0.7	0.0	872.8	1	
15	41	-4344	-0	1	0	0	0	496.4	3.0	0.4	0.0	499.4	1	
16	41	-3865	-0	1	0	0	0	441.7	3.2	0.4	0.0	444.8	1	
17	41	-4932	-0	1	0	0	0	563.7	3.0	0.4	0.0	566.7	1	
1A	81	-5025	-0	1	0	-0	-0	574.3	3.4	0.3	0.0	577.7	1	
1E	81	-4969	-0	1	0	-0	-0	567.9	3.4	0.3	0.0	571.3	1	
1I	81	-5007	-0	1	0	-0	-0	572.3	3.8	0.3	0.0	576.1	1	
1M	81	-4987	-0	1	0	-0	-0	569.9	3.8	0.3	0.0	573.7	1	
2	81	-6193	-0	8	0	-1	0	707.8	13.1	2.5	0.0	720.9	1	
3	81	-3614	-0	5	0	-1	0	413.0	8.1	1.5	0.0	421.1	1	
4	81	-3237	-0	5	0	-1	0	369.9	8.0	1.5	0.0	378.0	1	
5	81	-3997	-0	5	0	-1	0	456.8	7.9	1.5	0.0	464.7	1	
6	81	-8596	-0	3	0	-1	-0	982.4	7.6	1.0	0.0	990.0	1	
7	81	-4976	-0	2	0	-0	-0	568.7	4.4	0.6	0.0	573.1	1	
8	81	-4653	-0	2	0	-0	-0	531.8	4.4	0.6	0.0	536.2	1	
9	81	-5569	-0	2	0	-0	-0	636.5	4.4	0.6	0.0	640.9	1	
10	81	-5561	-0	8	0	-1	0	635.5	15.1	2.7	0.0	650.6	1	
11	81	-3217	-0	5	0	-1	0	367.7	9.2	1.6	0.0	376.9	1	
12	81	-2745	-0	5	0	-1	0	313.7	9.2	1.6	0.0	322.9	1	
13	81	-3599	-0	5	0	-1	0	411.3	9.0	1.6	0.0	420.3	1	
14	81	-7587	-1	4	0	-1	-0	867.1	10.1	1.2	0.0	877.2	1	
15	81	-4341	-0	2	0	-0	-0	496.1	6.0	0.7	0.0	502.1	1	
16	81	-3862	-0	2	0	-0	-0	441.4	5.9	0.7	0.0	447.3	1	
17	81	-4930	-0	2	0	-0	-0	563.4	6.0	0.7	0.0	569.4	1	

ASTA NUM. 158 NI 232 NF 230 Lungh. 101.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -1.0628 -0.2657 -- -- 3.0990 1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3646	2	0	0	0	-0	845.9	2.9	1.1	0.0	848.8	6	
1E	0	3658	2	0	0	0	-0	848.8	2.9	1.1	0.0	851.6	6	
1I	0	3636	2	0	0	0	-0	843.6	2.8	1.1	0.0	846.4	6	
1M	0	3668	2	0	0	0	-0	851.1	2.8	1.1	0.0	854.0	6	
2	0	3347	2	1	0	0	-0	776.6	3.8	1.1	0.0	780.4	6	
3	0	2050	1	0	0	0	-0	475.6	2.4	0.7	0.0	478.0	6	
4	0	2004	1	0	0	0	-0	465.0	2.3	0.7	0.0	467.3	6	
5	0	2105	1	0	0	0	-0	488.4	2.4	0.7	0.0	490.8	6	
6	0	5427	2	0	0	0	-0	1259.2	4.4	1.5	0.0	1263.6	6	
7	0	3327	1	0	0	0	-0	771.9	2.7	0.9	0.0	774.6	6	
8	0	3293	1	0	0	0	-0	764.0	2.6	0.9	0.0	766.7	6	
9	0	3412	1	0	0	0	-0	791.6	2.8	0.9	0.0	794.4	6	
10	0	-6	2	1	0	0	0	1.4	1.8	1.1	0.0	3.2	1	
11	0	-46	1	0	0	0	0	10.6	1.1	0.7	0.0	11.7	1	
12	0	-113	1	0	0	0	0	26.2	1.2	0.7	0.0	27.4	1	
13	0	11	1	0	0	0	0	2.5	1.1	0.7	0.0	3.5	1	
14	0	-71	2	0	0	0	0	16.4	1.5	1.6	0.0	17.9	1	
15	0	-113	1	0	0	0	0	26.2	1.0	0.9	0.0	27.2	1	
16	0	-181	1	0	0	0	0	42.0	1.1	0.9	0.0	43.1	1	
17	0	-26	1	0	0	0	0	6.0	0.9	0.9	0.0	6.8	1	
1A	50	3646	0	0	0	-0	0	846.0	12.7	0.1	0.0	858.8	6	
1E	50	3659	0	0	0	-0	0	848.9	12.7	0.1	0.0	861.6	6	
1I	50	3636	0	0	0	-0	0	843.7	13.0	0.1	0.0	856.6	6	
1M	50	3669	0	0	0	-0	0	851.2	13.0	0.1	0.0	864.2	6	
2	50	3350	0	1	0	-0	0	777.3	17.4	0.5	0.0	794.6	6	
3	50	2052	0	0	0	-0	0	476.1	10.8	0.3	0.0	486.9	6	
4	50	2006	0	0	0	-0	0	465.4	10.8	0.3	0.0	476.3	6	
5	50	2107	0	0	0	-0	0	488.9	10.7	0.3	0.0	499.6	6	
6	50	5429	0	0	0	-0	0	1259.5	17.7	0.2	0.0	1277.2	6	
7	50	3328	0	0	0	-0	0	772.2	11.0	0.1	0.0	783.2	6	
8	50	3294	0	0	0	-0	0	764.3	11.0	0.1	0.0	775.3	6	
9	50	3413	0	0	0	-0	0	791.9	10.9	0.1	0.0	802.8	6	
10	50	-3	0	1	0	-0	0	0.8	20.7	0.5	0.0	21.4	6	
11	50	-44	0	0	0	-0	0	10.2	12.9	0.3	0.0	23.0	6	
12	50	-111	0	0	0	-0	0	25.8	12.9	0.3	0.0	38.6	6	
13	50	12	0	0	0	-0	0	2.9	12.8	0.3	0.0	15.6	6	
14	50	-69	0	0	0	-0	1	16.1	23.0	0.2	0.0	39.1	6	
15	50	-112	0	0	0	-0	0	26.0	13.5	0.1	0.0	39.5	6	
16	50	-180	0	0	0	-0	0	41.8	13.5	0.1	0.0	55.3	6	
17	50	-25	0	0	0	-0	0	5.8	13.4	0.1	0.0	19.1	6	
1A	101	3647	-1	0	0	-0	0	846.1	3.0	1.0	0.0	849.2	1	
1E	101	3659	-1	0	0	-0	0	849.0	3.0	1.0	0.0	852.0	1	
1I	101	3637	-1	0	0	-0	0	843.8	3.8	1.0	0.0	847.6	1	
1M	101	3669	-1	0	0	-0	0	851.3	3.8	1.0	0.0	855.1	1	
2	101	3353	-1	1	0	-1	0	778.0	25.0	0.7	0.0	802.9	1	
3	101	2054	-1	0	0	-0	0	476.6	15.5	0.5	0.0	492.1	1	
4	101	2008	-1	0	0	-0	0	465.9	15.6	0.5	0.0	481.4	1	
5	101	2109	-1	0	0	-0	0	489.3	15.4	0.5	0.0	504.7	1	
6	101	5430	-2	0	0	-0	0	1259.9	9.9	1.2	0.0	1269.8	1	
7	101	3329	-1	0	0	-0	0	772.4	6.1	0.8	0.0	778.5	1	
8	101	3295	-1	0	0	-0	0	764.5	6.2	0.8	0.0	770.7	1	
9	101	3414	-1	0	0	-0	0	792.1	6.0	0.8	0.0	798.1	1	
10	101	-1	-1	1	0	-1	0	0.1	25.9	0.8	0.0	26.0	1	
11	101	-42	-1	0	0	-0	0	9.8	16.1	0.5	0.0	25.9	1	
12	101	-109	-1	0	0	-0	0	25.4	16.1	0.5	0.0	41.5	1	
13	101	14	-1	0	0	-0	0	3.3	16.0	0.5	0.0	19.2	1	
14	101	-68	-2	0	0	-0	0	15.8	11.1	1.3	0.0	26.9	1	
15	101	-111	-1	0	0	-0	0	25.8	6.8	0.8	0.0	32.7	1	
16	101	-179	-1	0	0	-0	0	41.6	6.9	0.8	0.0	48.5	1	
17	101	-24	-1	0	0	-0	0	5.5	6.7	0.8	0.0	12.2	1	

ASTA NUM. 159 NI 127 NF 234 Lungh. 81.1 cm SEZ. 21 Ps L 75X 6

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6072	0	1	0	0	-0	693.9	6.1	0.3	0.0	700.1	1	
1E	0	-6016	0	1	0	0	-0	687.5	6.1	0.3	0.0	693.6	1	
1I	0	-6054	0	1	0	0	-0	691.9	6.3	0.3	0.0	698.2	1	
1M	0	-6034	0	1	0	0	-0	689.6	6.3	0.3	0.0	695.8	1	
2	0	-8051	0	-3	0	1	-0	920.1	10.3	0.9	0.0	930.4	1	
3	0	-5254	0	-2	0	0	-0	600.5	6.0	0.6	0.0	606.5	1	
4	0	-5611	0	-2	0	0	-0	641.3	5.5	0.6	0.0	646.7	1	
5	0	-4861	0	-2	0	0	-0	555.5	6.0	0.6	0.0	561.5	1	
6	0	-10300	1	0	0	1	-0	1177.1	11.0	0.2	0.0	1188.2	1	
7	0	-6787	0	0	0	0	-0	775.7	6.3	0.1	0.0	781.9	1	
8	0	-7104	0	0	0	0	-0	811.9	5.8	0.1	0.0	817.7	1	
9	0	-6200	0	0	0	0	-0	708.6	6.5	0.1	0.0	715.1	1	
10	0	-6957	0	-2	0	1	-0	795.1	13.5	0.7	0.0	808.6	1	
11	0	-4568	0	-2	0	1	-0	522.1	7.9	0.5	0.0	530.0	1	
12	0	-5021	0	-2	0	1	-0	573.8	7.5	0.5	0.0	581.3	1	
13	0	-4175	0	-2	0	1	-0	477.1	7.9	0.5	0.0	485.0	1	
14	0	-9294	1	1	0	1	-0	1062.2	14.7	0.4	0.0	1076.9	1	
15	0	-6151	0	1	0	1	-0	703.0	8.6	0.2	0.0	711.6	1	
16	0	-6622	0	1	0	1	-0	756.8	8.3	0.2	0.0	765.1	1	
17	0	-5563	0	1	0	1	-0	635.8	8.8	0.2	0.0	644.5	1	
1A	41	-6070	0	1	0	0	-0	693.7	1.3	0.3	0.0	694.9	1	
1E	41	-6013	0	1	0	0	-0	687.3	1.3	0.3	0.0	688.5	1	
1I	41	-6052	0	1	0	0	-0	691.6	1.1	0.3	0.0	692.8	1	
1M	41	-6031	0	1	0	0	-0	689.3	1.1	0.3	0.0	690.4	1	
2	41	-8048	0	3	0	1	-0	919.7	10.3	0.9	0.0	930.0	1	
3	41	-5252	0	2	0	0	-0	600.2	6.3	0.5	0.0	606.5	1	
4	41	-5609	0	2	0	0	-0	641.0	6.1	0.5	0.0	647.1	1	
5	41	-4859	0	2	0	0	-0	555.3	6.3	0.5	0.0	561.6	1	
6	41	-10295	1	2	0	0	-0	1176.6	4.5	0.6	0.0	1181.1	1	
7	41	-6785	0	1	0	0	-0	775.4	2.6	0.3	0.0	778.0	1	
8	41	-7102	0	1	0	0	-0	811.6	2.5	0.3	0.0	814.1	1	
9	41	-6198	0	1	0	0	-0	708.3	2.8	0.4	0.0	711.0	1	
10	41	-6953	0	3	0	1	-0	794.6	10.9	1.0	0.0	805.6	1	
11	41	-4566	0	2	0	1	-0	521.8	6.7	0.6	0.0	528.5	1	
12	41	-5019	0	2	0	1	-0	573.5	6.5	0.6	0.0	580.1	1	
13	41	-4173	0	2	0	1	-0	476.9	6.7	0.6	0.0	483.6	1	
14	41	-9290	1	2	0	0	-0	1061.7	5.1	0.8	0.0	1066.7	1	
15	41	-6149	0	1	0	0	-0	702.7	3.0	0.5	0.0	705.7	1	
16	41	-6620	0	1	0	0	-0	756.5	2.9	0.5	0.0	759.4	1	
17	41	-5561	0	1	0	0	-0	635.5	3.1	0.5	0.0	638.6	1	
1A	81	-6067	0	1	0	-0	0	693.4	3.6	0.3	0.0	696.9	1	
1E	81	-6011	0	1	0	-0	0	687.0	3.6	0.3	0.0	690.5	1	
1I	81	-6049	0	1	0	-0	0	691.3	4.0	0.3	0.0	695.3	1	
1M	81	-6029	0	1	0	-0	0	689.0	4.0	0.3	0.0	693.0	1	
2	81	-8044	0	8	0	-1	-0	919.3	16.7	2.7	0.0	936.0	1	
3	81	-5249	0	5	0	-1	-0	599.9	10.2	1.6	0.0	610.1	1	
4	81	-5606	0	5	0	-1	-0	640.7	10.0	1.6	0.0	650.6	1	
5	81	-4856	0	5	0	-1	-0	555.0	10.2	1.6	0.0	565.2	1	
6	81	-10290	1	3	0	-1	0	1176.0	8.6	1.0	0.0	1184.6	1	
7	81	-6782	0	2	0	-0	0	775.1	5.1	0.6	0.0	780.2	1	
8	81	-7099	0	2	0	-0	0	811.3	5.1	0.6	0.0	816.4	1	
9	81	-6195	0	2	0	-0	0	708.0	5.2	0.6	0.0	713.2	1	
10	81	-6949	0	9	0	-2	-0	794.2	18.6	2.8	0.0	812.8	1	
11	81	-4563	0	5	0	-1	-0	521.5	11.4	1.7	0.0	532.9	1	
12	81	-5016	0	5	0	-1	-0	573.3	11.1	1.7	0.0	584.4	1	
13	81	-4170	0	5	0	-1	-0	476.6	11.4	1.7	0.0	488.0	1	
14	81	-9285	1	4	0	-1	0	1061.1	11.2	1.3	0.0	1072.3	1	
15	81	-6146	0	2	0	-1	0	702.4	6.7	0.8	0.0	709.1	1	
16	81	-6617	0	2	0	-1	0	756.2	6.7	0.7	0.0	762.9	1	
17	81	-5559	0	2	0	-1	0	635.3	6.7	0.8	0.0	642.0	1	

ASTA NUM. 160 NI 237 NF 234 Lungh. 101.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -1.0628 -0.2657 -- -- 3.0990 1.7705 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3612	2	-0	0	-0	-0	838.0	3.2	1.1	0.0	841.2	6	
1E	0	3624	2	-0	0	-0	-0	840.9	3.2	1.1	0.0	844.0	6	
1I	0	3602	2	-0	0	-0	-0	835.7	3.2	1.1	0.0	838.8	6	
1M	0	3634	2	-0	0	-0	-0	843.2	3.2	1.1	0.0	846.4	6	
2	0	3619	2	-1	0	-0	-0	839.7	3.2	1.2	0.0	842.9	1	
3	0	2304	1	-0	0	-0	-0	534.6	2.0	0.7	0.0	536.6	1	
4	0	2350	1	-0	0	-0	-0	545.2	2.0	0.7	0.0	547.3	6	
5	0	2249	1	-0	0	-0	-0	521.8	2.0	0.7	0.0	523.8	1	
6	0	5423	2	-0	0	-0	-0	1258.2	4.9	1.5	0.0	1263.1	6	
7	0	3454	1	-0	0	-0	-0	801.4	3.1	0.9	0.0	804.5	6	
8	0	3488	1	-0	0	-0	-0	809.3	3.2	0.9	0.0	812.4	6	
9	0	3370	1	-0	0	-0	-0	781.9	3.0	0.9	0.0	784.9	6	
10	0	-53	2	-1	0	-0	0	12.2	1.6	1.2	0.0	13.8	1	
11	0	9	1	-0	0	-0	0	2.0	0.8	0.7	0.0	2.9	1	
12	0	76	1	-0	0	-0	0	17.6	0.8	0.7	0.0	18.4	1	
13	0	-47	1	-0	0	-0	0	11.0	1.0	0.7	0.0	12.0	1	
14	0	-75	2	-0	0	-0	0	17.3	1.2	1.6	0.0	18.5	1	
15	0	14	1	-0	0	-0	0	3.3	0.7	0.9	0.0	4.0	1	
16	0	82	1	-0	0	-0	0	19.1	0.6	0.9	0.0	19.8	1	
17	0	-73	1	-0	0	-0	0	16.9	0.8	0.9	0.0	17.7	1	

1A	50	3612	0	-0	0	0	0	838.1	12.5	0.1	0.0	850.7	6
1E	50	3625	0	-0	0	0	0	841.0	12.5	0.1	0.0	853.5	6
1I	50	3602	0	-0	0	-0	0	835.8	12.7	0.1	0.0	848.5	6
1M	50	3635	0	-0	0	-0	0	843.3	12.7	0.1	0.0	856.0	6
2	50	3622	0	-1	0	0	0	840.4	19.1	0.5	0.0	859.5	6
3	50	2306	0	-0	0	0	0	534.9	11.8	0.3	0.0	546.7	6
4	50	2352	0	-0	0	0	0	545.6	11.7	0.3	0.0	557.3	6
5	50	2251	0	-0	0	0	0	522.2	11.9	0.3	0.0	534.0	6
6	50	5425	0	-0	0	0	0	1258.6	17.9	0.2	0.0	1276.4	6
7	50	3455	0	-0	0	0	0	801.6	11.0	0.1	0.0	812.6	6
8	50	3489	0	-0	0	0	0	809.5	10.9	0.1	0.0	820.5	6
9	50	3370	0	-0	0	0	0	782.0	11.1	0.1	0.0	793.1	6
10	50	-50	0	-1	0	0	1	11.6	21.8	0.5	0.0	33.4	6
11	50	10	0	-0	0	0	0	2.4	13.5	0.3	0.0	16.0	6
12	50	78	0	-0	0	0	0	18.0	13.4	0.3	0.0	31.4	6
13	50	-46	0	-0	0	0	0	10.6	13.5	0.3	0.0	24.1	6
14	50	-73	0	-0	0	0	1	17.0	23.1	0.2	0.0	40.1	6
15	50	15	0	-0	0	0	0	3.5	13.5	0.1	0.0	17.0	6
16	50	83	0	-0	0	0	0	19.3	13.4	0.1	0.0	32.7	6
17	50	-72	0	-0	0	0	0	16.7	13.6	0.1	0.0	30.2	6
1A	101	3613	-1	-0	0	0	0	838.3	2.3	1.0	0.0	840.6	1
1E	101	3625	-1	-0	0	0	0	841.1	2.3	1.0	0.0	843.4	1
1I	101	3603	-1	-0	0	0	0	835.9	1.7	1.0	0.0	837.6	1
1M	101	3635	-1	-0	0	0	0	843.5	1.7	1.0	0.0	845.2	1
2	101	3625	-1	-1	0	1	0	841.1	27.1	0.7	0.0	868.2	1
3	101	2307	-1	-0	0	0	0	535.3	16.8	0.4	0.0	552.0	1
4	101	2353	-1	-0	0	0	0	545.9	16.6	0.4	0.0	562.5	1
5	101	2252	-1	-0	0	0	0	522.5	16.8	0.4	0.0	539.3	1
6	101	5426	-2	-0	0	0	0	1258.9	10.4	1.2	0.0	1269.3	1
7	101	3456	-1	-0	0	0	0	801.9	6.2	0.8	0.0	808.1	1
8	101	3490	-1	-0	0	0	0	809.7	6.1	0.8	0.0	815.9	1
9	101	3371	-1	-0	0	0	0	782.1	6.4	0.8	0.0	788.5	1
10	101	-47	-1	-1	0	1	0	10.9	28.0	0.7	0.0	38.9	1
11	101	12	-1	-0	0	0	0	2.8	17.3	0.5	0.0	20.2	1
12	101	79	-1	-0	0	0	0	18.4	17.1	0.5	0.0	35.6	1
13	101	-44	-1	-0	0	0	0	10.2	17.3	0.5	0.0	27.5	1
14	101	-72	-2	-0	0	0	0	16.6	11.6	1.3	0.0	28.2	1
15	101	16	-1	-0	0	0	0	3.8	7.1	0.8	0.0	10.8	1
16	101	84	-1	-0	0	0	0	19.5	6.9	0.8	0.0	26.5	1
17	101	-71	-1	-0	0	0	0	16.5	7.2	0.8	0.0	23.7	1

ASTA NUM. 161 NI 232 NF 234 Lungh. 166.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5554	-0.1389	--	--	2.3452	1.6509 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	166	2	0	0	0	0	53.9	0.3	1.8	0.0	54.2	1	
1E	0	168	2	0	0	0	0	54.6	0.3	1.8	0.0	54.9	1	
1I	0	167	2	0	0	0	0	54.1	0.3	1.8	0.0	54.4	1	
1M	0	168	2	0	0	0	0	54.4	0.3	1.8	0.0	54.7	1	
2	0	302	2	-4	0	-0	0	97.9	1.0	3.9	0.0	98.9	1	
3	0	211	1	-3	0	-0	0	68.6	0.6	2.4	0.0	69.3	1	
4	0	237	1	-3	0	-0	0	76.8	0.6	2.4	0.0	77.5	1	
5	0	181	1	-3	0	-0	0	58.8	0.6	2.4	0.0	59.4	1	
6	0	301	3	-1	0	0	0	97.8	0.1	2.4	0.0	97.9	4	
7	0	224	2	-1	0	0	0	72.7	0.0	1.5	0.0	72.8	4	
8	0	243	2	-1	0	0	0	78.7	0.0	1.5	0.0	78.8	4	
9	0	177	2	-1	0	0	0	57.5	0.1	1.5	0.0	57.6	4	
10	0	195	2	-4	0	-0	0	63.3	1.5	3.9	0.0	64.8	1	
11	0	145	1	-3	0	-0	0	47.0	0.9	2.4	0.0	47.9	1	
12	0	182	1	-3	0	-0	0	59.0	1.0	2.4	0.0	59.9	1	
13	0	114	1	-3	0	-0	0	36.9	0.9	2.4	0.0	37.8	1	
14	0	281	3	-1	0	-0	0	91.3	0.6	2.6	0.0	91.9	1	
15	0	211	2	-1	0	-0	0	68.5	0.4	1.5	0.0	68.9	1	
16	0	248	2	-1	0	-0	0	80.6	0.4	1.5	0.0	81.1	1	
17	0	163	2	-1	0	-0	0	52.9	0.3	1.5	0.0	53.3	1	
1A	83	167	-0	0	0	0	1	54.1	52.2	0.0	0.0	106.3	6	
1E	83	169	-0	0	0	0	1	54.8	52.2	0.0	0.0	106.9	6	
1I	83	167	-0	0	0	-0	1	54.3	52.2	0.0	0.0	106.4	6	
1M	83	168	-0	0	0	-0	1	54.5	52.2	0.0	0.0	106.7	6	
2	83	305	0	-0	0	2	1	99.0	134.8	0.1	0.0	233.8	1	
3	83	214	0	-0	0	1	1	69.3	84.2	0.0	0.0	153.5	1	
4	83	239	-0	-0	0	1	1	77.5	84.2	0.0	0.0	161.7	1	
5	83	183	0	-0	0	1	1	59.5	84.2	0.0	0.0	143.7	1	
6	83	303	-0	-0	0	0	1	98.3	79.7	0.0	0.0	178.0	6	
7	83	225	-0	-0	0	0	1	73.0	49.8	0.0	0.0	122.8	6	
8	83	243	-0	-0	0	0	1	79.0	49.8	0.0	0.0	128.8	6	
9	83	178	-0	-0	0	0	1	57.8	49.8	0.0	0.0	107.6	6	
10	83	198	0	-0	0	2	1	64.4	135.0	0.1	0.0	199.4	1	
11	83	147	0	-0	0	1	1	47.7	84.3	0.1	0.0	132.0	1	
12	83	184	0	-0	0	1	1	59.7	84.3	0.1	0.0	143.9	1	
13	83	116	0	-0	0	1	1	37.6	84.3	0.1	0.0	121.9	1	
14	83	283	0	-0	0	0	1	91.8	85.2	0.0	0.0	176.9	6	
15	83	212	0	-0	0	0	1	68.8	50.0	0.0	0.0	118.8	6	
16	83	249	-0	-0	0	0	1	80.9	50.0	0.0	0.0	130.9	6	
17	83	164	0	-0	0	0	1	53.2	50.0	0.0	0.0	103.2	6	
1A	167	167	-2	0	0	-0	-0	54.2	0.8	1.8	0.0	55.0	6	
1E	167	169	-2	0	0	-0	-0	54.9	0.8	1.8	0.0	55.7	6	
1I	167	168	-2	0	0	-0	-0	54.4	1.0	1.8	0.0	55.4	6	
1M	167	169	-2	0	0	-0	-0	54.7	1.0	1.8	0.0	55.7	6	
2	167	308	-2	4	0	0	0	100.1	8.1	3.7	0.0	108.3	1	
3	167	216	-1	3	0	0	0	70.0	5.0	2.3	0.0	75.0	1	
4	167	241	-1	3	0	0	0	78.2	4.9	2.3	0.0	83.2	1	
5	167	185	-1	3	0	0	0	60.2	5.1	2.3	0.0	65.2	1	
6	167	304	-3	1	0	0	-0	98.7	2.1	2.4	0.0	100.8	1	
7	167	226	-2	1	0	0	-0	73.3	1.4	1.5	0.0	74.6	1	
8	167	244	-2	1	0	0	-0	79.3	1.4	1.5	0.0	80.7	1	
9	167	179	-2	1	0	0	-0	58.1	1.3	1.5	0.0	59.4	1	
10	167	202	-2	4	0	0	0	65.6	9.1	3.7	0.0	74.6	1	
11	167	149	-1	2	0	0	0	48.4	5.6	2.3	0.0	54.0	1	
12	167	186	-1	2	0	0	0	60.4	5.5	2.3	0.0	65.9	1	
13	167	118	-1	3	0	0	0	38.3	5.6	2.3	0.0	43.9	1	
14	167	284	-3	1	0	0	0	92.2	3.1	2.6	0.0	95.3	1	
15	167	213	-2	1	0	0	0	69.1	1.8	1.5	0.0	71.0	1	
16	167	250	-2	1	0	0	-0	81.2	1.8	1.5	0.0	83.0	1	
17	167	165	-2	1	0	0	0	53.5	1.9	1.5	0.0	55.4	1	

ASTA NUM. 162 NI 237 NF 230 Lungh. 166.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.5554	-0.1389	--	--	2.3452	1.6509 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	185	2	-0	0	-0	0	60.0	0.3	1.8	0.0	60.4	1	
1E	0	187	2	-0	0	-0	0	60.7	0.3	1.8	0.0	61.0	1	
1I	0	186	2	0	0	-0	0	60.2	0.3	1.8	0.0	60.6	1	
1M	0	186	2	0	0	-0	0	60.5	0.3	1.8	0.0	60.8	1	
2	0	152	2	4	0	0	0	49.4	1.0	3.9	0.0	50.5	1	
3	0	72	1	3	0	0	0	23.4	0.6	2.4	0.0	24.1	4	
4	0	47	1	3	0	0	0	15.2	0.6	2.4	0.0	16.0	4	
5	0	102	1	3	0	0	0	33.2	0.6	2.4	0.0	33.8	1	
6	0	303	3	1	0	-0	0	98.5	0.2	2.4	0.0	98.7	1	
7	0	154	2	1	0	-0	0	50.0	0.1	1.5	0.0	50.1	1	
8	0	135	2	1	0	-0	0	43.9	0.1	1.5	0.0	44.1	1	
9	0	201	2	1	0	-0	0	65.1	0.1	1.5	0.0	65.2	4	
10	0	221	2	4	0	0	0	71.7	1.4	3.9	0.0	73.1	1	
11	0	115	1	3	0	0	0	37.3	0.9	2.4	0.0	38.2	1	
12	0	78	1	3	0	0	0	25.3	0.8	2.4	0.0	26.1	1	
13	0	146	1	3	0	0	0	47.3	0.9	2.4	0.0	48.2	1	
14	0	283	3	1	0	0	-0	92.0	0.9	2.6	0.0	92.9	6	
15	0	141	2	1	0	0	0	45.8	0.3	1.5	0.0	46.1	1	
16	0	104	2	1	0	0	-0	33.6	0.9	1.5	0.0	34.5	6	
17	0	189	2	1	0	0	0	61.4	0.3	1.5	0.0	61.7	1	
1A	83	185	-0	-0	0	-0	1	60.2	52.3	0.0	0.0	112.5	6	
1E	83	187	-0	-0	0	-0	1	60.9	52.3	0.0	0.0	113.2	6	
1I	83	186	-0	0	0	-0	1	60.4	52.3	0.0	0.0	112.7	6	
1M	83	187	-0	0	0	-0	1	60.6	52.3	0.0	0.0	113.0	6	
2	83	156	0	0	0	-2	1	50.6	134.5	0.1	0.0	185.0	1	
3	83	74	0	0	0	-1	1	24.1	84.0	0.0	0.0	108.1	1	
4	83	49	0	0	0	-1	1	15.9	84.0	0.0	0.0	99.9	1	
5	83	104	0	0	0	-1	1	33.9	84.0	0.0	0.0	117.9	1	
6	83	305	-0	0	0	-0	1	99.0	79.7	0.0	0.0	178.7	6	
7	83	155	0	0	0	-0	1	50.2	49.8	0.0	0.0	100.0	6	
8	83	136	0	0	0	-0	1	44.2	49.8	0.0	0.0	94.0	6	
9	83	201	-0	0	0	-0	1	65.4	49.8	0.0	0.0	115.2	6	
10	83	224	0	0	0	-2	1	72.8	134.7	0.1	0.0	207.4	1	
11	83	117	0	0	0	-1	1	38.0	84.1	0.1	0.0	122.1	1	
12	83	80	0	0	0	-1	1	26.0	84.1	0.1	0.0	110.1	1	
13	83	148	0	0	0	-1	1	48.0	84.1	0.1	0.0	132.1	1	
14	83	285	0	0	0	-0	1	92.4	85.2	0.0	0.0	177.6	6	
15	83	142	0	0	0	-0	1	46.1	49.9	0.0	0.0	96.0	6	
16	83	104	0	0	0	-0	1	33.9	49.9	0.0	0.0	83.8	6	
17	83	190	0	0	0	-0	1	61.6	50.0	0.0	0.0	111.6	6	
1A	167	186	-2	-0	0	-0	-0	60.3	0.1	1.8	0.0	60.4	5	
1E	167	188	-2	-0	0	-0	-0	61.0	0.1	1.8	0.0	61.1	5	
1I	167	187	-2	0	0	-0	-0	60.6	0.4	1.8	0.0	60.9	1	
1M	167	187	-2	0	0	-0	-0	60.8	0.4	1.8	0.0	61.2	1	
2	167	159	-2	-4	0	-0	0	51.7	7.6	3.7	0.0	59.3	1	
3	167	77	-1	-3	0	-0	0	24.9	4.7	2.3	0.0	29.6	1	
4	167	51	-1	-3	0	-0	0	16.6	4.8	2.3	0.0	21.4	1	

5	167	107	-1	-3	0	-0	0	34.6	4.7	2.3	0.0	39.2	1
6	167	306	-3	-1	0	-0	-0	99.4	1.9	2.4	0.0	101.3	1
7	167	156	-2	-1	0	-0	-0	50.5	1.1	1.5	0.0	51.6	1
8	167	137	-2	-1	0	-0	0	44.5	1.1	1.5	0.0	45.6	1
9	167	202	-2	-1	0	-0	-0	65.6	1.1	1.5	0.0	66.8	1
10	167	228	-2	-4	0	-0	0	73.9	8.5	3.7	0.0	82.4	1
11	167	119	-1	-3	0	-0	0	38.7	5.3	2.3	0.0	44.0	1
12	167	82	-1	-3	0	-0	0	26.7	5.3	2.3	0.0	32.0	1
13	167	150	-1	-3	0	-0	0	48.7	5.2	2.3	0.0	53.9	1
14	167	286	-3	-1	0	-0	0	92.9	3.0	2.5	0.0	95.9	1
15	167	143	-2	-1	0	-0	0	46.4	1.9	1.5	0.0	48.3	1
16	167	105	-2	-1	0	-0	0	34.2	1.9	1.5	0.0	36.1	1
17	167	191	-2	-1	0	-0	0	61.9	1.8	1.5	0.0	63.7	1

ASTA NUM. 163 NI 139 NF 230 Lungh. 104.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.3410	2.3410 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-271	1	-0	0	-0	-0	57.6	2.5	0.8	0.0	60.1	1	
1E	0	-229	1	-0	0	-0	-0	48.7	2.5	0.8	0.0	51.2	1	
1I	0	-258	1	-0	0	-0	-0	54.8	2.5	0.8	0.0	57.3	1	
1M	0	-242	1	-0	0	-0	-0	51.5	2.5	0.8	0.0	54.0	1	
2	0	-353	2	6	0	-0	-0	74.9	2.8	3.6	0.0	77.7	1	
3	0	-411	1	4	0	-0	0	87.3	1.4	2.2	0.0	88.7	1	
4	0	-687	1	4	0	-0	0	145.8	1.1	2.2	0.0	147.0	1	
5	0	-145	1	4	0	-0	-0	30.8	1.6	2.2	0.0	32.4	1	
6	0	-405	2	1	0	-0	-0	86.0	4.1	1.1	0.0	90.1	1	
7	0	-547	1	1	0	-0	-0	116.2	2.1	0.7	0.0	118.3	1	
8	0	-785	1	1	0	-0	0	166.6	1.9	0.7	0.0	168.5	1	
9	0	-128	1	1	0	-0	-0	27.3	2.5	0.7	0.0	29.7	1	
10	0	-117	2	6	0	-0	-0	24.9	4.1	3.5	0.0	29.0	1	
11	0	-267	1	4	0	-0	0	56.6	2.2	2.2	0.0	58.8	1	
12	0	-603	1	4	0	-0	0	128.0	1.9	2.2	0.0	129.9	1	
13	0	-4	1	4	0	-0	-0	0.8	2.4	2.2	0.0	4.1	4	
14	0	-222	2	1	0	-0	-0	47.1	5.3	1.1	0.0	52.3	1	
15	0	-435	1	1	0	-0	-0	92.4	2.8	0.7	0.0	95.1	1	
16	0	-773	1	1	0	-0	0	164.1	2.5	0.7	0.0	166.6	1	
17	0	-23	1	1	0	-0	-0	5.0	3.1	0.7	0.0	8.1	1	
1A	52	-270	0	-0	0	-0	0	57.3	9.2	0.1	0.0	66.4	6	
1E	52	-228	0	-0	0	-0	0	48.4	9.2	0.1	0.0	57.6	6	
1I	52	-257	0	-0	0	-0	0	54.5	9.2	0.1	0.0	63.7	6	
1M	52	-241	0	-0	0	-0	0	51.2	9.2	0.1	0.0	60.4	6	
2	52	-351	-0	0	0	-2	0	74.5	50.7	0.1	0.0	125.2	1	
3	52	-410	-0	0	0	-1	0	87.0	31.6	0.1	0.0	118.6	1	
4	52	-686	-0	0	0	-1	0	145.5	31.4	0.1	0.0	177.0	1	
5	52	-144	-0	0	0	-1	0	30.5	31.7	0.1	0.0	62.2	1	
6	52	-403	0	-0	0	-0	0	85.6	16.9	0.1	0.0	102.5	1	
7	52	-546	0	-0	0	-0	0	115.9	10.5	0.0	0.0	126.5	6	
8	52	-783	0	-0	0	-0	0	166.3	10.5	0.0	0.0	176.9	6	
9	52	-127	0	-0	0	-0	0	27.0	10.5	0.0	0.0	37.5	1	
10	52	-115	-0	0	0	-2	0	24.4	51.3	0.1	0.0	75.7	1	
11	52	-266	-0	0	0	-1	0	56.4	31.9	0.1	0.0	88.3	1	
12	52	-602	-0	0	0	-1	0	127.8	31.7	0.1	0.0	159.5	1	
13	52	-2	-0	0	0	-1	0	0.5	32.0	0.1	0.0	32.5	1	
14	52	-220	0	-0	0	-0	0	46.6	17.8	0.1	0.0	64.4	6	
15	52	-434	0	-0	0	-0	0	92.1	10.6	0.1	0.0	102.7	6	
16	52	-772	0	-0	0	-0	0	163.8	10.6	0.1	0.0	174.4	6	
17	52	-22	0	-0	0	-0	0	4.7	10.8	0.1	0.0	15.4	1	
1A	105	-268	-1	-0	0	0	0	56.9	1.3	0.7	0.0	58.2	1	
1E	105	-226	-1	-0	0	0	0	48.1	1.3	0.7	0.0	49.3	1	
1I	105	-255	-1	-0	0	0	0	54.2	0.9	0.7	0.0	55.1	1	
1M	105	-239	-1	-0	0	0	0	50.8	0.9	0.7	0.0	51.8	1	
2	105	-349	-2	-5	0	-0	-0	74.0	8.2	3.4	0.0	82.2	1	
3	105	-409	-1	-3	0	-0	-0	86.8	5.1	2.1	0.0	91.9	1	
4	105	-684	-1	-3	0	-0	-0	145.3	5.0	2.1	0.0	150.3	1	
5	105	-143	-1	-3	0	-0	-0	30.3	5.2	2.1	0.0	35.5	1	
6	105	-401	-2	-2	0	-0	0	85.1	0.5	1.0	0.0	85.7	6	
7	105	-545	-1	-1	0	-0	0	115.6	0.2	0.6	0.0	115.8	1	
8	105	-782	-1	-1	0	-0	0	166.1	0.1	0.6	0.0	166.2	1	
9	105	-126	-1	-1	0	-0	0	26.7	0.4	0.6	0.0	27.1	1	
10	105	-113	-2	-6	0	-0	-0	24.0	8.0	3.4	0.0	32.0	1	
11	105	-264	-1	-3	0	-0	-0	56.1	5.0	2.1	0.0	61.1	1	
12	105	-601	-1	-3	0	-0	-0	127.5	4.9	2.1	0.0	132.4	1	
13	105	-1	-1	-3	0	-0	-0	0.2	5.1	2.1	0.0	5.3	1	
14	105	-217	-2	-2	0	0	0	46.1	0.4	1.1	0.0	46.5	6	
15	105	-432	-1	-1	0	0	0	91.8	0.1	0.6	0.0	91.9	1	
16	105	-770	-1	-1	0	0	0	163.5	0.2	0.7	0.0	163.7	1	
17	105	-21	-1	-1	0	-0	0	4.4	0.1	0.6	0.0	4.7	4	

ASTA NUM. 164 NI 139 NF 234 Lungh. 104.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	166	1	0	0	0	-0	35.2	2.8	0.8	0.0	38.0	1	
1E	0	208	1	0	0	0	-0	44.1	2.8	0.8	0.0	46.9	1	
1I	0	179	1	0	0	0	-0	38.0	2.8	0.8	0.0	40.8	1	
1M	0	195	1	0	0	0	-0	41.3	2.8	0.8	0.0	44.1	1	
2	0	387	2	-6	0	0	-0	82.2	3.7	3.6	0.0	85.9	1	
3	0	388	1	-4	0	0	-0	82.4	2.3	2.2	0.0	84.7	1	
4	0	638	1	-4	0	0	-0	135.4	2.4	2.2	0.0	137.7	1	
5	0	109	1	-4	0	0	-0	23.2	2.0	2.2	0.0	25.2	1	
6	0	274	2	-1	0	0	-0	58.3	4.6	1.1	0.0	62.9	1	
7	0	402	1	-1	0	0	-0	85.3	2.9	0.7	0.0	88.2	1	
8	0	632	1	-1	0	0	-0	134.1	3.0	0.7	0.0	137.1	1	
9	0	-9	1	-1	0	0	-0	1.8	2.6	0.7	0.0	4.4	1	
10	0	467	2	-6	0	0	-0	99.1	4.5	3.5	0.0	103.6	1	
11	0	435	1	-4	0	0	-0	92.4	2.8	2.2	0.0	95.2	1	
12	0	746	1	-4	0	0	-0	158.4	3.0	2.2	0.0	161.4	1	
13	0	157	1	-4	0	0	-0	33.4	2.5	2.2	0.0	35.9	1	
14	0	458	2	-1	0	0	-0	97.2	5.8	1.2	0.0	103.0	1	
15	0	514	1	-1	0	0	-0	109.1	3.6	0.7	0.0	112.7	1	
16	0	842	1	-1	0	0	-0	178.7	3.8	0.7	0.0	182.6	1	
17	0	103	1	-1	0	0	-0	21.9	3.3	0.7	0.0	25.2	1	
1A	52	167	0	0	0	0	0	35.5	9.0	0.1	0.0	44.6	6	
1E	52	209	0	0	0	0	0	44.4	9.0	0.1	0.0	53.5	6	
1I	52	180	0	0	0	0	0	38.3	8.9	0.1	0.0	47.2	6	
1M	52	196	0	0	0	0	0	41.7	8.9	0.1	0.0	50.6	6	
2	52	389	0	-0	0	2	0	82.7	50.9	0.1	0.0	133.5	1	
3	52	390	0	-0	0	1	0	82.7	31.8	0.1	0.0	114.5	1	
4	52	639	0	-0	0	1	0	135.7	31.9	0.1	0.0	167.5	1	
5	52	111	-0	-0	0	1	0	23.5	31.7	0.1	0.0	55.2	1	
6	52	277	0	0	0	0	0	58.7	17.0	0.1	0.0	75.7	1	
7	52	403	0	0	0	0	0	85.6	10.7	0.0	0.0	96.2	1	
8	52	633	0	0	0	0	0	134.4	10.7	0.0	0.0	145.1	1	
9	52	-7	0	0	0	0	0	1.5	10.5	0.0	0.0	12.1	1	
10	52	469	-0	-0	0	2	0	99.5	51.0	0.1	0.0	150.5	1	
11	52	436	0	-0	0	1	0	92.6	31.9	0.0	0.0	124.5	1	
12	52	748	0	-0	0	1	0	158.7	32.0	0.0	0.0	190.7	1	
13	52	158	-0	-0	0	1	0	33.6	31.8	0.0	0.0	65.4	1	
14	52	460	0	0	0	0	0	97.7	17.7	0.1	0.0	115.3	1	
15	52	515	0	0	0	0	0	109.4	10.9	0.1	0.0	120.3	1	
16	52	843	0	0	0	0	0	179.0	11.0	0.1	0.0	190.0	1	
17	52	105	0	0	0	0	0	22.2	10.7	0.1	0.0	32.9	1	
1A	105	169	-1	0	0	-0	0	35.9	1.4	0.7	0.0	37.2	1	
1E	105	211	-1	0	0	-0	0	44.7	1.4	0.7	0.0	46.1	1	
1I	105	182	-1	0	0	-0	0	38.6	1.7	0.7	0.0	40.3	1	
1M	105	198	-1	0	0	-0	0	42.0	1.7	0.7	0.0	43.6	1	
2	105	392	-2	6	0	0	-0	83.1	8.0	3.4	0.0	91.2	1	
3	105	391	-1	3	0	0	-0	83.0	5.2	2.1	0.0	88.1	1	
4	105	640	-1	3	0	0	-0	135.9	5.3	2.1	0.0	141.2	1	
5	105	112	-1	3	0	0	-0	23.8	5.1	2.1	0.0	28.8	1	
6	105	279	-2	2	0	0	0	59.2	0.6	1.0	0.0	59.7	1	
7	105	404	-1	1	0	0	0	85.8	0.6	0.6	0.0	86.4	1	
8	105	634	-1	1	0	0	0	134.7	0.7	0.6	0.0	135.4	1	
9	105	-6	-1	1	0	0	0	1.3	0.3	0.6	0.0	2.0	4	
10	105	471	-2	6	0	0	-0	99.9	7.6	3.4	0.0	107.5	1	
11	105	438	-1	3	0	0	-0	92.9	4.9	2.1	0.0	97.8	1	
12	105	749	-1	3	0	0	-0	159.0	5.0	2.1	0.0	164.0	1	
13	105	160	-1	3	0	0	-0	33.9	4.8	2.1	0.0	38.7	1	
14	105	462	-2	2	0	0	0	98.2	0.4	1.1	0.0	98.5	6	
15	105	517	-1	1	0	0	0	109.7	0.3	0.6	0.0	109.9	1	
16	105	844	-1	1	0	0	0	179.3	0.5	0.6	0.0	179.8	1	
17	105	106	-1	1	0	0	0	22.5	0.1	0.6	0.0	22.6	1	

ASTA NUM. 165 NI 239 NF 233 Lungh. 163.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5265	0.1316	--	--	2.3499	3.0081 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	146	2	-0	0	-0	0	47.4	1.6	1.8	0.0	49.0	1	
1E	0	148	2	-0	0	-0	0	48.0	1.6	1.8	0.0	49.6	1	
1I	0	146	2	-0	0	-0	0	47.6	1.7	1.8	0.0	49.2	1	

1M	0	147	2	-0	0	-0	0	47.8	1.7	1.8	0.0	49.5	1
2	0	167	3	4	0	-0	0	54.4	2.3	3.8	0.0	56.7	1
3	0	-37	2	2	0	-0	-0	12.0	10.3	2.3	0.0	22.3	1
4	0	70	2	3	0	-0	-0	22.7	4.8	2.4	0.0	27.5	1
5	0	168	2	3	0	0	0	54.4	6.1	2.4	0.0	60.5	1
6	0	238	3	1	0	-0	-0	77.3	3.8	2.6	0.0	81.2	1
7	0	-67	2	1	0	-0	-0	21.8	16.1	1.7	0.0	37.9	1
8	0	108	2	1	0	-0	-0	35.2	6.2	1.7	0.0	41.4	1
9	0	191	2	1	0	0	0	62.0	4.0	1.6	0.0	66.0	6
10	0	202	3	4	0	-0	0	65.6	1.7	3.8	0.0	67.3	1
11	0	-26	2	2	0	-0	-0	8.3	9.7	2.3	0.0	18.0	1
12	0	80	2	3	0	-0	-0	26.0	5.3	2.4	0.0	31.3	1
13	0	322	2	3	0	0	0	104.6	19.0	2.5	0.0	123.6	1
14	0	257	3	1	0	-0	0	83.5	4.4	2.8	0.0	88.0	1
15	0	-65	2	1	0	-0	-0	21.0	16.5	1.7	0.0	37.5	1
16	0	102	2	1	0	-0	-0	33.2	8.4	1.7	0.0	41.6	1
17	0	418	2	1	0	0	0	135.8	23.2	1.6	0.0	159.1	1
1A	82	146	-0	-0	0	-0	1	47.5	50.5	0.0	0.0	98.1	6
1E	82	148	-0	-0	0	-0	1	48.1	50.5	0.0	0.0	98.7	6
1I	82	147	-0	-0	0	-0	1	47.7	50.5	0.0	0.0	98.3	6
1M	82	148	-0	-0	0	-0	1	48.0	50.5	0.0	0.0	98.5	6
2	82	165	-0	-0	0	-2	1	53.7	143.9	0.0	0.0	197.6	1
3	82	-38	0	-0	0	-1	1	12.4	93.5	0.1	0.0	105.9	1
4	82	69	0	-0	0	-1	1	22.3	91.2	0.0	0.0	113.5	1
5	82	166	-0	0	0	-1	1	54.0	87.7	0.0	0.0	141.7	1
6	82	238	0	-0	0	-0	1	77.3	85.5	0.0	0.0	162.8	6
7	82	-67	0	-0	0	-0	1	21.8	54.5	0.1	0.0	76.3	6
8	82	108	0	-0	0	-0	1	35.2	53.7	0.0	0.0	88.9	6
9	82	191	-0	0	0	-0	1	62.0	55.1	0.0	0.0	117.2	6
10	82	200	-0	-0	0	-2	1	65.0	143.6	0.0	0.0	208.5	1
11	82	-27	0	-0	0	-1	1	8.7	93.3	0.1	0.0	102.0	1
12	82	79	0	-0	0	-1	1	25.6	91.5	0.0	0.0	117.1	1
13	82	321	-0	0	0	-1	1	104.2	82.1	0.1	0.0	186.3	1
14	82	257	-0	-0	0	-0	1	83.6	91.1	0.0	0.0	174.6	6
15	82	-65	0	-0	0	-0	1	21.0	54.8	0.1	0.0	75.8	6
16	82	102	0	-0	0	-0	1	33.2	54.2	0.1	0.0	87.3	6
17	82	418	-0	0	0	-0	1	135.8	53.0	0.2	0.0	188.8	6
1A	164	147	-2	-0	0	-0	-0	47.7	0.7	1.8	0.0	48.4	6
1E	164	149	-2	-0	0	-0	-0	48.3	0.7	1.8	0.0	49.0	6
1I	164	147	-2	-0	0	-0	-0	47.9	0.8	1.8	0.0	48.6	6
1M	164	148	-2	-0	0	-0	-0	48.1	0.8	1.8	0.0	48.9	6
2	164	163	-3	-4	0	0	-0	53.1	1.4	3.9	0.0	54.4	1
3	164	-39	-2	-3	0	0	0	12.8	0.5	2.5	0.0	14.0	4
4	164	67	-2	-3	0	0	-0	21.9	0.6	2.4	0.0	22.7	4
5	164	165	-2	-3	0	0	0	53.6	0.5	2.4	0.0	54.1	1
6	164	238	-3	-1	0	0	-0	77.3	1.0	2.6	0.0	78.3	6
7	164	-67	-2	-1	0	-0	0	21.8	1.0	1.6	0.0	22.8	6
8	164	108	-2	-1	0	-0	-0	35.2	0.3	1.6	0.0	35.4	6
9	164	191	-2	-1	0	-0	0	62.0	1.0	1.7	0.0	63.0	6
10	164	198	-3	-4	0	0	-0	64.3	1.7	3.9	0.0	66.1	1
11	164	-28	-2	-3	0	0	0	9.1	0.7	2.5	0.0	10.7	4
12	164	78	-2	-3	0	0	-0	25.2	0.8	2.5	0.0	26.0	4
13	164	320	-2	-2	0	0	-0	103.8	1.5	2.3	0.0	105.2	6
14	164	257	-3	-1	0	0	-0	83.6	1.1	2.8	0.0	84.7	6
15	164	-65	-2	-1	0	-0	0	21.0	1.0	1.6	0.0	22.0	6
16	164	102	-2	-1	0	0	0	33.2	0.2	1.6	0.0	33.4	4
17	164	418	-2	-0	0	0	-0	135.8	1.4	1.7	0.0	137.3	6

ASTA NUM. 166 NI 238 NF 236 Lungh. 163.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5265	0.1316	--	--	2.3499	3.0081 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	128	2	0	0	0	-0	41.4	3.8	1.8	0.0	45.2	1	
1E	0	129	2	0	0	0	-0	42.0	3.8	1.8	0.0	45.8	1	
1I	0	128	2	0	0	0	-0	41.6	3.7	1.8	0.0	45.3	1	
1M	0	129	2	0	0	0	-0	41.9	3.7	1.8	0.0	45.6	1	
2	0	172	3	-4	0	0	0	55.9	2.0	3.8	0.0	58.0	1	
3	0	151	2	-3	0	-0	0	49.2	7.3	2.4	0.0	56.5	1	
4	0	142	2	-3	0	-0	0	46.1	1.9	2.4	0.0	48.0	1	
5	0	42	2	-3	0	0	-0	13.5	6.7	2.3	0.0	20.2	1	
6	0	236	3	-1	0	0	-0	76.6	4.1	2.6	0.0	80.7	1	
7	0	220	2	-1	0	-0	0	71.3	10.9	1.6	0.0	82.2	1	
8	0	187	2	-1	0	-0	0	60.8	1.0	1.6	0.0	61.9	1	
9	0	100	2	-1	0	0	-0	32.4	6.0	1.7	0.0	38.4	1	
10	0	177	3	-4	0	0	0	57.5	3.9	3.8	0.0	61.4	1	
11	0	144	2	-3	0	-0	0	46.7	6.2	2.4	0.0	52.9	1	
12	0	156	2	-3	0	-0	0	50.8	1.9	2.4	0.0	52.6	1	
13	0	-85	2	-2	0	0	-0	27.5	19.9	2.2	0.0	47.4	1	
14	0	255	3	-1	0	0	0	82.9	4.7	2.8	0.0	87.6	1	
15	0	222	2	-1	0	-0	0	72.1	10.4	1.6	0.0	82.5	1	
16	0	218	2	-1	0	-0	0	70.9	2.5	1.6	0.0	73.4	1	
17	0	-97	2	-0	0	0	-0	31.4	26.0	1.7	0.0	57.4	1	
1A	82	128	-0	0	0	0	1	41.6	50.6	0.0	0.0	92.1	6	
1E	82	130	-0	0	0	0	1	42.2	50.6	0.0	0.0	92.7	6	
1I	82	129	-0	0	0	0	1	41.7	50.5	0.0	0.0	92.3	6	
1M	82	129	-0	0	0	0	1	42.0	50.5	0.0	0.0	92.5	6	
2	82	170	-0	0	0	2	1	55.3	143.6	0.0	0.0	198.9	1	
3	82	150	-0	-0	0	1	1	48.8	86.2	0.0	0.0	134.9	1	
4	82	141	-0	-0	0	1	1	45.7	88.4	0.0	0.0	134.1	1	
5	82	40	0	0	0	1	1	13.1	91.1	0.1	0.0	104.2	1	
6	82	236	-0	0	0	0	1	76.6	85.3	0.0	0.0	161.9	6	
7	82	220	-0	-0	0	0	1	71.3	52.3	0.1	0.0	123.6	6	
8	82	187	-0	-0	0	0	1	60.8	53.0	0.0	0.0	113.9	6	
9	82	100	0	0	0	0	1	32.4	51.9	0.0	0.0	84.3	6	
10	82	175	-0	0	0	2	1	56.8	144.4	0.0	0.0	201.2	1	
11	82	143	-0	-0	0	1	1	46.3	86.7	0.0	0.0	133.0	1	
12	82	155	-0	-0	0	1	1	50.4	88.4	0.0	0.0	138.8	1	
13	82	-86	0	0	0	1	1	27.9	96.9	0.2	0.0	124.9	1	
14	82	255	-0	0	0	0	1	82.9	90.9	0.0	0.0	173.8	6	
15	82	222	-0	-0	0	0	1	72.1	52.6	0.1	0.0	124.7	6	
16	82	218	-0	-0	0	0	1	70.9	53.2	0.0	0.0	124.1	6	
17	82	-97	0	0	0	0	1	31.4	54.4	0.2	0.0	85.8	6	
1A	164	128	-2	0	0	0	-0	41.7	0.9	1.8	0.0	42.6	6	
1E	164	130	-2	0	0	0	-0	42.3	0.9	1.8	0.0	43.2	6	
1I	164	129	-2	0	0	0	-0	41.9	0.9	1.8	0.0	42.8	6	
1M	164	130	-2	0	0	0	-0	42.1	0.9	1.8	0.0	43.1	6	
2	164	168	-3	4	0	-0	-0	54.6	2.0	3.9	0.0	56.6	6	
3	164	149	-2	3	0	-0	-0	48.3	2.2	2.4	0.0	50.5	6	
4	164	140	-2	3	0	-0	-0	45.3	1.6	2.4	0.0	46.9	6	
5	164	39	-2	3	0	-0	-0	12.7	2.1	2.5	0.0	14.8	6	
6	164	236	-3	1	0	-0	-0	76.6	1.5	2.7	0.0	78.1	6	
7	164	220	-2	1	0	-0	-0	71.3	2.4	1.7	0.0	73.7	6	
8	164	187	-2	1	0	-0	-0	60.8	1.4	1.7	0.0	62.2	6	
9	164	100	-2	1	0	-0	-0	32.4	2.5	1.6	0.0	34.9	6	
10	164	173	-3	4	0	-0	-0	56.2	1.9	3.9	0.0	58.1	1	
11	164	141	-2	3	0	-0	-0	45.9	2.1	2.4	0.0	48.0	6	
12	164	154	-2	3	0	-0	-0	50.0	1.6	2.4	0.0	51.6	6	
13	164	-87	-2	3	0	-0	-0	28.4	1.0	2.6	0.0	29.3	1	
14	164	255	-3	1	0	-0	-0	82.9	1.6	2.8	0.0	84.5	6	
15	164	222	-2	1	0	-0	-0	72.1	2.5	1.7	0.0	74.5	6	
16	164	218	-2	1	0	-0	-0	70.9	1.6	1.7	0.0	72.5	6	
17	164	-97	-2	1	0	-0	0	31.4	0.4	1.6	0.0	31.8	1	

ASTA NUM. 167 NI 238 NF 239 Lungh. 132.6 cm SEZ. 16 Ps L 50X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	3.0536	3.0536 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-151	2	0	0	0	-0	38.8	6.3	1.5	0.0	45.2	1	
1E	0	-150	2	0	0	0	-0	38.6	6.3	1.5	0.0	45.0	1	
1I	0	-152	2	0	0	0	-0	39.1	6.2	1.5	0.0	45.3	1	
1M	0	-149	2	0	0	0	-0	38.4	6.2	1.5	0.0	44.6	1	
2	0	-186	3	-6	0	0	-0	47.8	4.6	4.4	0.0	52.5	1	
3	0	-77	2	-4	0	-0	0	19.9	10.5	3.1	0.0	30.4	1	
4	0	-116	2	-4	0	-0	0	29.8	2.2	2.9	0.0	32.0	1	
5	0	-106	2	-3	0	0	-0	27.3	10.9	2.5	0.0	38.2	1	
6	0	-249	3	-1	0	0	-0	64.1	7.3	2.1	0.0	71.4	1	
7	0	-99	1	-2	0	-0	0	25.3	16.4	1.2	0.0	41.7	1	
8	0	-156	2	-1	0	-0	0	40.0	1.3	1.2	0.0	41.3	1	
9	0	-143	2	-1	0	0	-0	36.7	9.3	1.4	0.0	46.0	1	
10	0	-202	3	-6	0	0	-0	52.0	6.8	4.4	0.0	58.8	1	
11	0	-79	2	-4	0	-0	0	20.3	9.1	3.0	0.0	29.5	1	
12	0	-126	2	-4	0	-0	0	32.4	2.5	2.9	0.0	34.9	1	
13	0	-118	2	-3	0	1	-0	30.3	31.4	2.0	0.0	61.7	1	
14	0	-267	3	-1	0	0	-0	68.7	7.3	2.2	0.0	76.0	1	
15	0	-101	1	-2	0	-0	0	25.9	16.3	1.2	0.0	42.3	1	
16	0	-166	2	-1	0	-0	0	42.6	4.0	1.2	0.0	46.7	1	
17	0	-155	2	0	0	1	-0	39.9	40.3	1.7	0.0	80.3	1	
1A	66	-151	0	0	0	0	1	38.8	27.1	0.0	0.0	66.0	6	
1E	66	-150	0	0	0	0	1	38.6	27.1	0.0	0.0	65.8	6	
1I	66	-152	0	0	0	0	1	39.1	27.1	0.0	0.0	66.2	6	
1M	66	-149	0	0	0	0	1	38.4	27.1	0.0	0.0	65.5	6	
2	66	-186	-0	-0	0	2	1	47.8	98.1	0.0	0.0	145.9	1	
3	66	-77	-0	-0	0	1	1	19.9	61.4	0.3	0.0	81.2	1	
4	66	-116	-0	-0	0	1	1	29.8	61.3	0.1	0.0	91.1	1	
5	66	-106	0	0	0	1	1	27.3	59.9	0.2	0.0	87.2	1	
6	66	-249	0	0	0	1	1	64.1	45.5	0.0	0.0	109.5	6	
7	66	-99	-0	-1	0	0	1	25.3	28.4	0.5	0.0	53.7	6	

8	66	-156	-0	-0	0	0	1	40.0	28.4	0.1	0.0	68.4	6
9	66	-143	0	0	0	0	1	36.7	28.4	0.2	0.0	65.1	6
10	66	-202	0	0	0	2	1	52.0	97.9	0.0	0.0	149.8	1
11	66	-79	-0	-0	0	1	1	20.3	61.3	0.3	0.0	81.6	1
12	66	-126	-0	-0	0	1	1	32.4	61.2	0.1	0.0	93.6	1
13	66	-118	0	1	0	1	1	30.3	59.8	0.7	0.0	90.0	1
14	66	-267	0	0	0	1	1	68.7	47.7	0.0	0.0	116.4	6
15	66	-101	-0	-1	0	0	1	25.9	28.1	0.5	0.0	54.0	6
16	66	-166	-0	-0	0	0	1	42.6	28.1	0.2	0.0	70.8	6
17	66	-155	1	1	0	0	1	39.9	28.3	0.9	0.0	68.2	6
1A	133	-151	-2	0	0	0	-0	38.8	3.1	1.5	0.0	42.0	1
1E	133	-150	-2	0	0	0	-0	38.6	3.1	1.5	0.0	41.7	1
1I	133	-152	-2	0	0	0	-0	39.1	3.3	1.5	0.0	42.4	1
1M	133	-149	-2	0	0	0	-0	38.4	3.3	1.5	0.0	41.6	1
2	133	-186	-3	6	0	0	-0	47.8	5.2	4.4	0.0	53.0	1
3	133	-77	-2	3	0	0	-0	19.9	16.9	2.4	0.0	36.8	1
4	133	-116	-2	4	0	0	-0	29.8	8.3	2.6	0.0	38.2	1
5	133	-106	-2	4	0	-0	0	27.3	8.6	3.0	0.0	35.9	1
6	133	-249	-3	1	0	0	-0	64.1	6.9	2.1	0.0	70.9	1
7	133	-99	-2	0	0	1	-0	25.3	25.6	1.5	0.0	50.9	1
8	133	-156	-2	1	0	0	-0	40.0	10.2	1.4	0.0	50.2	1
9	133	-143	-2	1	0	-0	0	36.7	5.2	1.3	0.0	41.9	1
10	133	-202	-3	6	0	0	-0	52.0	3.0	4.5	0.0	55.0	1
11	133	-79	-2	3	0	0	-0	20.3	15.6	2.5	0.0	35.9	1
12	133	-126	-2	4	0	0	-0	32.4	8.6	2.6	0.0	41.1	1
13	133	-118	-1	5	0	-1	0	30.3	29.1	3.5	0.0	59.4	1
14	133	-267	-3	1	0	0	-0	68.7	6.9	2.2	0.0	75.6	1
15	133	-101	-2	0	0	1	-0	25.9	25.6	1.5	0.0	51.5	1
16	133	-166	-2	1	0	0	-0	42.6	12.9	1.4	0.0	55.6	1
17	133	-155	-1	2	0	-1	0	39.9	36.2	1.6	0.0	76.2	1

ASTA NUM. 168 NI 213 NF 239 Lungh. 5.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0594	0.2648	--	--	3.0999	4.4242 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3705	-0	33	0	1	0	859.6	47.0	22.5	0.0	906.6	1	
1E	0	3717	-0	33	0	1	0	862.4	47.0	22.5	0.0	909.4	1	
1I	0	3695	-0	33	0	1	0	857.3	47.6	22.5	0.0	904.9	1	
1M	0	3727	-0	33	0	1	0	864.7	47.6	22.5	0.0	912.3	1	
2	0	3584	8	52	0	2	-0	831.6	74.5	35.0	0.0	906.1	1	
3	0	2244	5	107	0	4	-0	520.6	138.4	72.7	0.0	659.0	1	
4	0	2241	5	60	0	2	-0	520.0	80.6	40.7	0.0	600.6	1	
5	0	409	7	-28	0	-1	-0	94.8	28.4	19.0	0.0	123.2	1	
6	0	5567	1	56	0	2	0	1291.6	76.3	37.9	0.0	1368.0	1	
7	0	3486	1	152	0	6	0	808.8	190.3	102.7	0.0	999.2	1	
8	0	3481	1	67	0	3	0	807.7	87.3	45.6	0.0	894.9	1	
9	0	404	5	-12	0	-0	-0	93.8	7.6	7.9	0.0	101.4	1	
10	0	59	12	40	0	2	-0	13.7	62.5	27.0	0.0	76.2	1	
11	0	41	8	100	0	4	-0	9.5	131.0	67.7	0.0	140.5	1	
12	0	39	8	62	0	2	-0	9.0	84.3	41.9	0.0	93.3	1	
13	0	29	8	-141	0	-5	-0	6.6	166.5	95.3	0.0	173.1	1	
14	0	55	9	58	0	2	-0	12.7	83.2	39.5	0.0	95.8	1	
15	0	38	5	152	0	6	-0	8.9	192.8	102.9	0.0	201.7	1	
16	0	35	5	83	0	3	-0	8.0	107.7	55.8	0.0	115.7	1	
17	0	21	5	-182	0	-6	-0	4.8	215.9	123.0	0.0	220.8	1	
1A	3	3705	-0	33	0	1	0	859.6	19.1	22.5	0.0	878.7	1	
1E	3	3717	-0	33	0	1	0	862.4	19.1	22.5	0.0	881.5	1	
1I	3	3695	-1	33	0	1	0	857.3	19.6	22.5	0.0	876.9	1	
1M	3	3727	-1	33	0	1	0	864.7	19.6	22.5	0.0	884.3	1	
2	3	3584	7	52	0	1	-0	831.6	28.9	35.0	0.0	860.4	1	
3	3	2244	5	107	0	1	-0	520.6	46.8	72.7	0.0	567.5	1	
4	3	2241	5	60	0	1	-0	520.0	28.7	40.7	0.0	548.7	1	
5	3	409	7	-28	0	-0	-0	94.8	2.6	19.0	0.0	100.8	4	
6	3	5567	1	56	0	1	0	1291.6	29.6	37.9	0.0	1321.3	1	
7	3	3486	1	152	0	2	0	808.8	63.2	102.7	0.0	872.1	1	
8	3	3481	1	67	0	1	0	807.7	31.0	45.6	0.0	838.6	1	
9	3	404	5	-12	0	0	0	93.8	3.7	7.9	0.0	97.5	1	
10	3	59	12	40	0	1	-0	13.7	25.4	27.0	0.0	50.9	4	
11	3	41	8	100	0	1	-0	9.5	44.7	67.7	0.0	117.7	3	
12	3	39	8	62	0	1	-0	9.0	30.1	41.9	0.0	73.1	3	
13	3	29	8	-141	0	-1	-0	6.6	45.9	95.3	0.0	165.2	3	
14	3	55	9	58	0	1	0	12.7	32.3	39.5	0.0	69.7	3	
15	3	38	5	152	0	2	0	8.9	63.9	102.9	0.0	178.5	3	
16	3	35	5	83	0	1	0	8.0	37.3	55.8	0.0	97.1	3	
17	3	21	5	-182	0	-2	0	4.9	62.3	123.0	0.0	213.1	3	
1A	5	3705	-0	33	0	-0	0	859.6	10.2	22.5	0.0	869.9	1	
1E	5	3717	-0	33	0	-0	0	862.4	10.2	22.5	0.0	872.7	1	
1I	5	3695	-1	33	0	-0	0	857.3	9.6	22.5	0.0	866.9	1	
1M	5	3727	-1	33	0	-0	0	864.7	9.6	22.5	0.0	874.3	1	
2	5	3584	7	52	0	-0	0	831.6	16.8	35.0	0.0	848.4	1	
3	5	2244	5	107	0	-1	0	520.6	44.7	72.7	0.0	565.4	1	
4	5	2241	5	60	0	-1	0	520.0	23.1	40.7	0.0	543.1	1	
5	5	409	7	-28	0	1	0	94.8	23.0	19.0	0.0	117.8	1	
6	5	5567	1	56	0	-1	0	1291.6	19.4	37.9	0.0	1311.0	1	
7	5	3486	1	152	0	-2	0	808.8	65.3	102.7	0.0	874.1	1	
8	5	3481	1	67	0	-1	0	807.7	26.8	45.6	0.0	834.4	1	
9	5	404	5	-12	0	0	0	93.8	15.0	7.9	0.0	108.8	1	
10	5	59	12	40	0	-0	0	13.7	12.4	27.0	0.0	49.7	3	
11	5	41	7	100	0	-1	0	9.5	41.6	67.7	0.0	117.9	3	
12	5	39	7	62	0	-1	0	9.0	24.1	41.9	0.0	73.3	3	
13	5	28	7	-141	0	2	0	6.6	74.5	95.3	0.0	165.3	3	
14	5	55	9	58	0	-1	0	12.7	20.2	39.5	0.0	70.2	3	
15	5	38	5	152	0	-2	0	8.9	65.8	102.9	0.0	178.6	3	
16	5	35	5	83	0	-1	0	8.0	34.0	55.8	0.0	97.2	3	
17	5	21	5	-182	0	3	0	4.9	92.5	123.0	0.0	213.2	3	

ASTA NUM. 169 NI 239 NF 236 Lungh. 96.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0630	0.2657	--	--	3.0989	4.4277 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3622	1	-0	0	-0	0	840.3	5.7	0.8	0.0	846.0	1	
1E	0	3632	1	-0	0	-0	0	842.8	5.7	0.8	0.0	848.5	1	
1I	0	3612	1	-0	0	-0	0	838.0	6.1	0.8	0.0	844.1	1	
1M	0	3642	1	-0	0	-0	0	845.1	6.1	0.8	0.0	851.2	1	
2	0	3479	2	-0	0	-0	0	807.2	11.5	1.7	0.0	818.7	1	
3	0	2262	2	-1	0	-1	0	524.8	26.5	1.0	0.0	551.4	1	
4	0	2196	2	-0	0	-0	0	509.5	14.3	1.0	0.0	523.8	1	
5	0	306	2	0	0	0	0	71.0	13.3	1.1	0.0	84.2	1	
6	0	5427	2	-0	0	-0	0	1259.2	12.1	1.3	0.0	1271.3	1	
7	0	3526	1	-1	0	-1	0	818.1	37.6	0.8	0.0	855.7	1	
8	0	3418	1	-0	0	-0	0	793.0	15.9	0.8	0.0	808.9	1	
9	0	292	1	0	0	0	0	67.7	8.9	0.8	0.0	76.6	1	
10	0	-66	2	-0	0	-0	0	15.4	11.0	1.7	0.0	26.4	6	
11	0	52	2	-1	0	-1	0	12.1	24.7	1.0	0.0	36.8	1	
12	0	-12	2	-0	0	-0	0	2.8	14.8	1.0	0.0	17.6	1	
13	0	-166	2	1	0	1	0	38.4	42.5	1.1	0.0	81.0	1	
14	0	-96	2	-0	0	-0	0	22.3	12.5	1.4	0.0	34.8	1	
15	0	77	1	-1	0	-1	0	17.9	37.7	0.8	0.0	55.6	1	
16	0	-25	1	-1	0	-1	0	5.8	19.8	0.8	0.0	25.6	1	
17	0	-226	1	2	0	2	0	52.5	53.0	1.1	0.0	105.4	1	
1A	48	3622	-0	-0	0	-0	0	840.4	11.2	0.2	0.0	851.6	6	
1E	48	3633	-0	-0	0	-0	0	842.9	11.2	0.2	0.0	854.1	6	
1I	48	3612	-0	-0	0	-0	0	838.1	11.4	0.2	0.0	849.5	6	
1M	48	3643	-0	-0	0	-0	0	845.2	11.4	0.2	0.0	856.6	6	
2	48	3478	-0	-0	0	-0	1	807.0	24.4	0.3	0.0	831.4	6	
3	48	2262	-0	-1	0	-0	0	524.7	18.6	0.5	0.0	543.3	6	
4	48	2196	-0	-0	0	-0	0	509.4	16.5	0.3	0.0	525.9	6	
5	48	305	-0	0	0	0	0	70.8	18.4	0.2	0.0	89.3	6	
6	48	5428	-0	-0	0	-0	0	1259.3	17.7	0.2	0.0	1276.9	6	
7	48	3526	-0	-1	0	-1	0	818.1	21.5	0.8	0.0	839.6	1	
8	48	3418	-0	-0	0	-0	0	793.0	12.5	0.3	0.0	805.5	6	
9	48	292	-0	0	0	0	0	67.8	14.4	0.1	0.0	82.1	6	
10	48	-67	-0	-0	0	-0	1	15.6	27.1	0.2	0.0	42.7	6	
11	48	52	-0	-1	0	-0	0	12.0	20.3	0.5	0.0	32.3	6	
12	48	-13	-0	-0	0	-0	0	2.9	18.6	0.3	0.0	21.6	6	
13	48	-166	-0	1	0	1	0	38.6	26.1	0.9	0.0	64.7	1	
14	48	-96	-0	-0	0	-0	1	22.2	24.2	0.2	0.0	46.4	6	
15	48	77	-0	-1	0	-1	0	17.9	22.6	0.8	0.0	40.6	1	
16	48	-25	-0	-1	0	-0	0	5.8	16.4	0.4	0.0	22.1	6	
17	48	-226	-0	2	0	1	0	52.4	30.1	1.1	0.0	82.5	1	
1A	96	3623	-2	-0	0	0	-0	840.5	5.7	1.2	0.0	846.2	6	
1E	96	3633	-2	-0	0	0	-0	843.0	5.7	1.2	0.0	848.7	6	
1I	96	3613	-2	-0	0	0	-0	838.2	5.7	1.2	0.0	843.9	6	
1M	96	3643	-2	-0	0	0	-0	845.3	5.7	1.2	0.0	851.0	6	
2	96	3477	-3	-0	0	0	-0	806.7	6.7	2.2	0.0	813.4	6	
3	96	2261	-2	-1	0	0	-0	524.6	4.5	1.4	0.0	529.1	6	
4	96	2195	-2	-0	0	0	-0	509.3	4.2	1.4	0.0	513.5	6	
5	96	305	-2	0	0	0	-0	70.7	1.6	1.3	0.0	72.3	6	
6	96	5428	-3	-0	0	0	-0	1259.4	8.5	1.8	0.0	1267.8	6	
7	96	3526	-2	-1	0	0	-0	818.1	5.8	1.1	0.0	823.9	6	
8	96	3418	-2	-0	0	0	-0	793.0	5.4	1.1	0.0	798.4	6	
9	96	292	-2	0	0	0	-0	67.8	1.6	1.1	0.0	69.4	6	
10	96	-68	-3	-0	0	-0	-0	15.8	2.7	2.2	0.0	18.5	6	
11	96	51	-2	-1	0	0	-0	11.9	2.1	1.4	0.0	13.9	6	
12	96	-13	-2	-0	0	0	-0	3.1	1.7	1.4	0.0	4.8	6	
13	96	-167	-2	1	0	-0	-0	38.7	1.2	1.3	0.0	39.9	6	
14	96	-95	-3	-0	0	-0	-0	22.1	2.7	1.9	0.0	24.8	6	

15	96	78	-2	-1	0	0	-0	18.0	2.0	1.1	0.0	20.0	6
16	96	-25	-2	-1	0	-0	-0	5.7	1.7	1.1	0.0	7.4	6
17	96	-226	-2	2	0	-0	-0	52.3	1.3	1.1	0.0	53.6	6

ASTA NUM. 170 NI 212 NF 238 Lungh. 5.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0594	0.2648	--	--	3.0999	4.4242 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	3706	0	-44	0	-2	0	859.9	59.4	29.7	0.0	919.2	1	
1E	0	3718	0	-44	0	-2	0	862.7	59.4	29.7	0.0	922.0	1	
1I	0	3696	-0	-44	0	-2	0	857.6	59.1	29.8	0.0	916.7	1	
1M	0	3728	-0	-44	0	-2	0	864.9	59.1	29.8	0.0	924.0	1	
2	0	3584	8	-48	0	-2	-0	831.6	69.3	32.3	0.0	900.8	1	
3	0	2236	5	44	0	1	-0	518.8	49.7	29.7	0.0	568.5	1	
4	0	2238	5	-2	0	-0	-0	519.3	9.5	3.2	0.0	528.7	1	
5	0	2429	5	-73	0	-3	-0	563.6	95.9	49.5	0.0	659.5	1	
6	0	5567	1	-58	0	-2	0	1291.6	78.0	39.0	0.0	1369.7	1	
7	0	3473	1	79	0	3	0	805.8	92.3	53.2	0.0	898.1	1	
8	0	3478	1	-4	0	-0	0	807.0	9.3	2.6	0.0	816.3	1	
9	0	3668	0	-61	0	-2	0	851.0	79.6	41.6	0.0	930.6	1	
10	0	60	12	-60	0	-2	-0	14.0	86.8	40.6	0.0	100.8	1	
11	0	34	8	36	0	1	-0	7.8	40.7	24.4	0.0	48.5	1	
12	0	36	8	-1	0	-0	-0	8.3	9.2	5.2	0.0	17.4	1	
13	0	46	8	-186	0	-7	-0	10.8	235.6	125.8	0.0	246.4	1	
14	0	55	9	-60	0	-2	-0	12.7	84.8	40.6	0.0	97.5	1	
15	0	26	5	78	0	3	-0	6.0	91.9	52.9	0.0	97.9	1	
16	0	29	5	11	0	0	-0	6.8	9.2	7.3	0.0	16.8	4	
17	0	44	5	-232	0	-9	-0	10.1	289.8	156.9	0.0	300.0	1	
1A	3	3706	-0	-44	0	-1	0	859.9	22.5	29.7	0.0	882.4	1	
1E	3	3718	-0	-44	0	-1	0	862.7	22.5	29.7	0.0	885.2	1	
1I	3	3696	-1	-44	0	-1	0	857.6	22.1	29.8	0.0	879.6	1	
1M	3	3728	-1	-44	0	-1	0	864.9	22.1	29.8	0.0	887.0	1	
2	3	3584	7	-48	0	-1	-0	831.4	27.0	32.3	0.0	858.4	1	
3	3	2236	5	44	0	0	-0	518.8	11.5	29.7	0.0	530.3	1	
4	3	2238	5	-2	0	-0	-0	519.3	6.2	3.2	0.0	525.5	1	
5	3	2429	4	-73	0	-1	-0	563.6	33.2	49.5	0.0	596.8	1	
6	3	5567	1	-58	0	-1	0	1291.6	30.0	39.0	0.0	1321.6	1	
7	3	3473	1	79	0	1	0	805.8	26.5	53.2	0.0	832.3	1	
8	3	3478	1	-4	0	-0	0	807.0	6.4	2.6	0.0	813.3	1	
9	3	3668	0	-61	0	-1	0	851.0	28.1	41.6	0.0	879.2	1	
10	3	60	12	-60	0	-1	-0	14.0	32.7	40.6	0.0	71.8	3	
11	3	33	8	36	0	0	-0	7.8	8.1	24.4	0.0	43.0	3	
12	3	36	8	-1	0	-0	-0	8.2	6.3	5.1	0.0	14.6	1	
13	3	46	8	-186	0	-2	-0	10.8	77.1	125.8	0.0	218.2	3	
14	3	55	9	-60	0	-1	0	12.7	32.7	40.6	0.0	71.6	3	
15	3	26	5	78	0	1	0	6.0	25.2	52.9	0.0	91.9	3	
16	3	29	5	11	0	-0	0	6.8	1.3	7.3	0.0	14.9	4	
17	3	44	5	-232	0	-3	0	10.1	94.3	156.9	0.0	271.9	3	
1A	5	3706	-0	-44	0	0	0	859.9	15.8	29.7	0.0	875.6	1	
1E	5	3718	-0	-44	0	0	0	862.7	15.8	29.7	0.0	878.4	1	
1I	5	3696	-1	-44	0	0	0	857.6	16.2	29.8	0.0	873.7	1	
1M	5	3728	-1	-44	0	0	0	864.9	16.2	29.8	0.0	881.1	1	
2	5	3583	7	-48	0	0	0	831.3	15.4	32.3	0.0	846.8	1	
3	5	2236	5	44	0	-1	0	518.8	26.8	29.7	0.0	545.5	1	
4	5	2238	5	-2	0	-0	0	519.3	5.9	3.1	0.0	525.1	1	
5	5	2429	4	-73	0	1	0	563.6	29.6	49.5	0.0	593.2	1	
6	5	5567	1	-58	0	1	0	1291.6	20.5	39.0	0.0	1312.1	1	
7	5	3473	1	79	0	-1	0	805.8	40.8	53.2	0.0	846.6	1	
8	5	3478	1	-4	0	-0	0	807.0	3.4	2.6	0.0	810.3	1	
9	5	3668	0	-61	0	1	0	851.0	24.7	41.6	0.0	875.7	1	
10	5	60	12	-60	0	1	0	13.9	21.3	40.6	0.0	72.5	3	
11	5	33	7	36	0	-1	0	7.8	24.4	24.4	0.0	43.7	4	
12	5	36	7	-1	0	-0	0	8.2	8.0	5.0	0.0	16.2	6	
13	5	46	7	-186	0	2	0	10.8	81.1	125.8	0.0	218.3	3	
14	5	55	9	-60	0	1	0	12.7	21.3	40.6	0.0	72.1	3	
15	5	26	5	78	0	-1	0	6.0	42.5	52.9	0.0	92.0	3	
16	5	30	5	11	0	-0	0	6.8	11.9	7.3	0.0	18.8	1	
17	5	44	5	-232	0	3	0	10.1	102.5	156.9	0.0	272.0	3	

ASTA NUM. 171 NI 238 NF 233 Lungh. 96.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0630	0.2657	--	--	3.0989	4.4277 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	3633	1	0	0	0	0	842.8	10.5	0.8	0.0	853.4	1	
1E	0	3643	1	0	0	0	0	845.3	10.5	0.8	0.0	855.9	1	
1I	0	3623	1	0	0	0	0	840.5	10.4	0.8	0.0	850.9	1	
1M	0	3653	1	0	0	0	0	847.6	10.4	0.8	0.0	858.0	1	
2	0	3476	2	0	0	0	0	806.5	10.8	1.7	0.0	817.3	1	
3	0	2142	2	-0	0	-0	0	497.0	15.0	1.0	0.0	511.9	1	
4	0	2151	2	-0	0	-0	0	499.1	4.5	1.0	0.0	503.6	6	
5	0	2401	2	1	0	0	0	557.1	18.0	1.0	0.0	575.1	1	
6	0	5429	2	0	0	0	0	1259.6	12.8	1.3	0.0	1272.4	1	
7	0	3343	1	-1	0	-1	0	775.6	22.8	0.8	0.0	798.4	1	
8	0	3367	1	-0	0	-0	0	781.2	2.3	0.8	0.0	783.5	6	
9	0	3610	1	0	0	0	0	837.6	14.7	0.8	0.0	852.3	1	
10	0	-50	2	0	0	0	0	11.6	13.9	1.7	0.0	25.6	1	
11	0	-56	2	-0	0	-0	0	12.9	14.2	1.1	0.0	27.1	1	
12	0	-61	2	-0	0	-0	0	14.0	6.8	1.1	0.0	20.8	6	
13	0	93	2	1	0	1	0	21.6	46.9	1.1	0.0	68.6	1	
14	0	-95	2	0	0	0	0	22.0	13.1	1.4	0.0	35.1	1	
15	0	-105	1	-1	0	-1	0	24.5	24.7	0.8	0.0	49.2	1	
16	0	-99	1	-0	0	-0	0	23.0	7.5	0.8	0.0	30.5	1	
17	0	102	1	2	0	2	0	23.6	58.4	1.2	0.0	82.1	1	
1A	48	3634	-0	0	0	0	0	843.1	12.2	0.2	0.0	855.3	6	
1E	48	3644	-0	0	0	0	0	845.6	12.2	0.2	0.0	857.8	6	
1I	48	3624	-0	0	0	0	0	840.8	12.3	0.2	0.0	853.1	6	
1M	48	3654	-0	0	0	0	0	847.9	12.3	0.2	0.0	860.2	6	
2	48	3475	-0	0	0	0	1	806.3	24.5	0.3	0.0	830.7	6	
3	48	2142	-0	-0	0	-0	0	496.9	17.0	0.3	0.0	513.8	6	
4	48	2150	-0	-0	0	-0	0	498.8	14.8	0.2	0.0	513.7	6	
5	48	2401	-0	1	0	0	0	557.0	17.6	0.3	0.0	574.6	6	
6	48	5430	-0	0	0	0	0	1259.7	18.0	0.3	0.0	1277.7	6	
7	48	3344	-0	-1	0	-0	0	775.8	14.8	0.5	0.0	790.6	1	
8	48	3368	-0	-0	0	-0	0	781.3	10.2	0.1	0.0	791.5	6	
9	48	3611	-0	0	0	0	0	837.7	12.9	0.3	0.0	850.6	6	
10	48	-51	-0	0	0	0	1	11.8	28.3	0.2	0.0	40.1	6	
11	48	-56	-0	-0	0	-0	0	13.0	18.7	0.3	0.0	31.7	6	
12	48	-61	-0	-0	0	-0	0	14.2	17.0	0.1	0.0	31.1	6	
13	48	93	-0	1	0	1	1	21.5	28.4	0.9	0.0	49.9	1	
14	48	-94	-0	0	0	0	1	21.9	24.5	0.2	0.0	46.4	6	
15	48	-105	-0	-1	0	-0	0	24.4	17.3	0.5	0.0	41.7	6	
16	48	-99	-0	-0	0	-0	0	22.9	14.2	0.1	0.0	37.1	6	
17	48	102	-0	2	0	1	0	23.7	33.3	1.2	0.0	57.0	1	
1A	96	3635	-2	0	0	-0	-0	843.3	5.4	1.2	0.0	848.7	6	
1E	96	3645	-2	0	0	-0	-0	845.8	5.4	1.2	0.0	851.2	6	
1I	96	3625	-2	0	0	-0	-0	841.0	5.4	1.2	0.0	846.4	6	
1M	96	3655	-2	0	0	-0	-0	848.1	5.4	1.2	0.0	853.5	6	
2	96	3474	-3	0	0	-0	-0	806.0	6.3	2.2	0.0	812.3	6	
3	96	2141	-2	-0	0	-0	-0	496.8	3.8	1.4	0.0	500.6	6	
4	96	2149	-2	-0	0	-0	-0	498.6	3.9	1.4	0.0	502.5	6	
5	96	2400	-2	1	0	-0	-0	556.8	3.4	1.4	0.0	560.3	6	
6	96	5430	-3	0	0	-0	-0	1259.9	8.1	1.8	0.0	1268.0	6	
7	96	3344	-2	-1	0	-0	-0	775.9	4.9	1.1	0.0	780.8	6	
8	96	3368	-2	-0	0	-0	-0	781.4	5.0	1.1	0.0	786.4	6	
9	96	3611	-2	0	0	0	-0	837.8	4.5	1.1	0.0	842.3	6	
10	96	-52	-3	0	0	0	-0	12.0	2.4	2.2	0.0	14.4	6	
11	96	-57	-2	-0	0	0	-0	13.1	1.4	1.4	0.0	14.6	6	
12	96	-62	-2	-0	0	0	-0	14.3	1.5	1.4	0.0	15.8	6	
13	96	92	-2	1	0	-0	-0	21.4	1.0	1.3	0.0	22.4	6	
14	96	-94	-3	0	0	0	-0	21.8	2.4	1.9	0.0	24.1	6	
15	96	-105	-2	-1	0	0	-0	24.3	1.4	1.1	0.0	25.7	6	
16	96	-98	-2	-0	0	0	-0	22.8	1.5	1.1	0.0	24.3	6	
17	96	102	-2	2	0	-0	-0	23.8	0.6	1.2	0.0	24.3	6	

ASTA NUM. 172 NI 215 NF 236 Lungh. 40.5 cm SEZ. 6 Ps L 40X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	11	0	-0	0	-0	0	3.5	5.4	0.2	0.0	8.8	1	
1E	0	11	0	-0	0	-0	0	3.7	5.4	0.2	0.0	9.1	1	
1I	0	10	0	-0	0	-0	0	3.3	5.2	0.2	0.0	8.6	1	
1M	0	12	0	-0	0	-0	0	3.9	5.2	0.2	0.0	9.1	1	
2	0	16	0	-2	0	-0	0	5.1	6.7	1.6	0.0	11.8	1	
3	0	10	0	-1	0	-0	0	3.2	4.1	1.0	0.0	7.3	1	
4	0	10	0	-1	0	-0	0	3.2	4.1	1.0	0.0	7.3	1	
5	0	9	0	-1	0	-0	0	3.1	1.9	0.9	0.0	4.9	1	
6	0	15	0	-1	0	-0	0	5.0	8.4	0.7	0.0	13.4	1	
7	0	10	0	-0	0	-0	0	3.2	5.2	0.4	0.0	8.3	1	
8	0	10	0	-0	0	-0	0	3.1	5.2	0.4	0.0	8.3	1	
9	0	9	0	-0	0	-0	0	3.0	1.7	0.3	0.0	4.7	1	
10	0	15	0	-2	0	-0	0	4.9	3.6	1.5	0.0	8.6	1	
11	0	10	0	-1	0	-0	0	3.1	2.2	0.9	0.0	5.3	1	
12	0	10	0	-1	0	-0	0	3.1	2.2	0.9	0.0	5.3	1	
13	0	9	-0	-1	0	-0	0	3.1	1.5	0.9	0.0	4.6	1	

14	0	16	0	-1	0	-0	0	5.2	3.5	0.5	0.0	8.7	1
15	0	10	0	-0	0	-0	0	3.1	2.0	0.3	0.0	5.1	1
16	0	9	0	-0	0	-0	0	3.1	2.0	0.3	0.0	5.1	1
17	0	9	-0	-0	0	-0	0	3.0	1.2	0.2	0.0	4.2	1
1A	20	11	0	-0	0	-0	-0	3.6	2.1	0.2	0.0	5.7	1
1E	20	12	0	-0	0	-0	-0	3.9	2.1	0.2	0.0	6.0	1
1I	20	11	0	-0	0	-0	-0	3.5	2.0	0.2	0.0	5.5	1
1M	20	12	0	-0	0	-0	-0	4.0	2.0	0.2	0.0	6.0	1
2	20	16	0	-0	0	0	0	5.3	6.8	0.3	0.0	12.1	1
3	20	10	0	-0	0	0	0	3.4	4.6	0.2	0.0	7.9	1
4	20	10	0	-0	0	0	0	3.3	4.5	0.2	0.0	7.9	1
5	20	10	0	-0	0	0	0	3.2	5.0	0.1	0.0	8.2	1
6	20	16	0	-0	0	-0	0	5.2	0.9	0.4	0.0	6.0	1
7	20	10	0	-0	0	-0	0	3.3	1.5	0.2	0.0	4.8	6
8	20	10	0	-0	0	-0	0	3.3	0.5	0.2	0.0	3.8	1
9	20	10	0	-0	0	0	0	3.1	0.7	0.1	0.0	3.8	1
10	20	16	0	-0	0	0	0	5.2	8.1	0.1	0.0	13.3	1
11	20	10	0	-0	0	0	0	3.3	5.2	0.1	0.0	8.5	1
12	20	10	0	-0	0	0	0	3.3	5.3	0.1	0.0	8.5	1
13	20	10	-0	-0	0	0	0	3.2	5.0	0.0	0.0	8.2	1
14	20	17	0	-0	0	0	0	5.5	1.1	0.1	0.0	6.6	1
15	20	10	0	-0	0	0	0	3.2	1.7	0.1	0.0	4.9	6
16	20	10	0	-0	0	0	0	3.2	1.2	0.1	0.0	4.4	6
17	20	10	-0	-0	0	0	0	3.2	0.7	0.0	0.0	3.9	1
1A	41	12	0	-0	0	0	-0	3.8	1.3	0.2	0.0	5.1	1
1E	41	12	0	-0	0	0	-0	4.0	1.3	0.2	0.0	5.4	1
1I	41	11	0	-0	0	0	-0	3.6	1.3	0.2	0.0	4.9	1
1M	41	13	0	-0	0	0	-0	4.2	1.3	0.2	0.0	5.4	1
2	41	17	0	1	0	0	0	5.5	2.0	1.1	0.0	7.5	6
3	41	11	0	1	0	0	0	3.5	2.5	0.7	0.0	6.0	6
4	41	11	0	1	0	0	0	3.5	1.8	0.7	0.0	5.2	6
5	41	10	0	1	0	-0	0	3.4	1.0	0.8	0.0	4.4	6
6	41	17	0	-0	0	0	0	5.4	2.2	0.0	0.0	7.7	1
7	41	11	0	-0	0	0	0	3.4	3.0	0.1	0.0	6.5	6
8	41	11	0	-0	0	0	0	3.4	1.6	0.0	0.0	5.1	1
9	41	10	0	0	0	0	0	3.3	1.1	0.2	0.0	4.3	6
10	41	17	0	1	0	0	0	5.4	2.0	1.2	0.0	7.4	6
11	41	11	0	1	0	-0	0	3.4	2.7	0.8	0.0	6.1	6
12	41	10	0	1	0	0	0	3.4	2.0	0.8	0.0	5.4	6
13	41	10	-0	1	0	-0	0	3.3	0.3	0.8	0.0	3.7	4
14	41	18	0	0	0	0	0	5.7	2.0	0.2	0.0	7.7	6
15	41	10	0	0	0	-0	0	3.4	3.4	0.1	0.0	6.8	6
16	41	10	0	0	0	0	0	3.3	2.1	0.1	0.0	5.5	6
17	41	10	-0	0	0	-0	-0	3.3	1.2	0.2	0.0	4.5	6

ASTA NUM. 173 NI 126 NF 236 Lungh. 101.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7729	-0.1932	--	--	2.2146	1.2484 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-27	1	0	0	0	-0	8.8	7.5	1.1	0.0	16.3	6	
1E	0	-25	1	0	0	0	-0	8.1	7.5	1.1	0.0	15.7	6	
1I	0	-29	1	-0	0	0	-0	9.3	7.5	1.1	0.0	16.7	6	
1M	0	-24	1	-0	0	0	-0	7.6	7.5	1.1	0.0	15.1	6	
2	0	-47	1	-0	0	-0	-0	15.3	9.3	1.0	0.0	24.7	6	
3	0	-30	1	-0	0	-0	-0	9.7	5.8	0.6	0.0	15.4	6	
4	0	-30	1	-0	0	-0	-0	9.6	5.6	0.6	0.0	15.2	6	
5	0	-29	1	-0	0	-0	-0	9.5	4.6	0.6	0.0	14.1	6	
6	0	-39	2	-0	0	0	-0	12.6	11.8	1.4	0.0	24.4	6	
7	0	-25	1	-0	0	-0	-0	8.0	6.8	0.9	0.0	14.8	6	
8	0	-24	1	-0	0	0	-0	7.9	7.0	0.9	0.0	14.9	6	
9	0	-24	1	-0	0	0	-0	7.8	5.2	0.9	0.0	13.0	6	
10	0	-47	1	-0	0	-0	-0	15.2	7.6	1.0	0.0	22.8	6	
11	0	-30	1	-0	0	-0	-0	9.6	4.6	0.6	0.0	14.2	6	
12	0	-29	1	-0	0	-0	-0	9.6	4.5	0.6	0.0	14.1	6	
13	0	-29	1	-0	0	-0	-0	9.5	4.3	0.6	0.0	13.8	6	
14	0	-41	2	-0	0	0	-0	13.4	7.9	1.5	0.0	21.3	6	
15	0	-25	1	-0	0	-0	-0	8.0	4.7	0.9	0.0	12.7	6	
16	0	-24	1	-0	0	-0	-0	7.9	4.6	0.9	0.0	12.5	6	
17	0	-24	1	-0	0	0	-0	7.8	4.7	0.9	0.0	12.5	6	
1A	50	-27	0	0	0	0	0	8.6	13.6	0.1	0.0	22.2	6	
1E	50	-25	0	0	0	0	0	8.0	13.6	0.1	0.0	21.6	6	
1I	50	-28	0	-0	0	0	0	9.1	13.6	0.1	0.0	22.7	6	
1M	50	-23	0	-0	0	0	0	7.5	13.6	0.1	0.0	21.1	6	
2	50	-45	0	-0	0	0	0	14.7	9.8	0.1	0.0	24.5	6	
3	50	-28	0	-0	0	0	0	9.3	6.0	0.1	0.0	15.2	6	
4	50	-28	0	-0	0	0	0	9.2	6.1	0.1	0.0	15.3	6	
5	50	-28	0	-0	0	0	0	9.1	7.3	0.0	0.0	16.4	6	
6	50	-38	0	-0	0	0	0	12.3	15.9	0.1	0.0	28.1	6	
7	50	-24	0	-0	0	0	0	7.8	9.9	0.1	0.0	17.7	6	
8	50	-24	0	-0	0	0	0	7.7	10.0	0.1	0.0	17.7	6	
9	50	-23	0	-0	0	0	0	7.6	11.4	0.1	0.0	19.0	6	
10	50	-45	0	-0	0	0	0	14.6	11.4	0.1	0.0	26.0	6	
11	50	-28	0	-0	0	-0	0	9.2	7.4	0.0	0.0	16.6	6	
12	50	-28	0	-0	0	-0	0	9.2	7.3	0.0	0.0	16.4	6	
13	50	-28	0	-0	0	0	0	9.1	7.6	0.0	0.0	16.7	6	
14	50	-40	0	-0	0	0	0	13.1	20.1	0.1	0.0	33.2	6	
15	50	-24	0	-0	0	-0	0	7.8	11.9	0.0	0.0	19.6	6	
16	50	-24	0	-0	0	-0	0	7.7	11.6	0.0	0.0	19.3	6	
17	50	-23	0	-0	0	0	0	7.6	12.0	0.0	0.0	19.6	6	
1A	101	-26	-1	0	0	0	-0	8.4	2.9	1.0	0.0	11.4	6	
1E	101	-24	-1	0	0	0	-0	7.8	2.9	1.0	0.0	10.8	6	
1I	101	-28	-1	-0	0	0	-0	8.9	3.0	1.0	0.0	11.9	6	
1M	101	-23	-1	-0	0	0	-0	7.3	3.0	1.0	0.0	10.3	6	
2	101	-43	-1	-0	0	0	-0	14.0	3.7	0.8	0.0	17.7	6	
3	101	-27	-1	-0	0	0	-0	8.8	2.2	0.5	0.0	11.0	6	
4	101	-27	-1	-0	0	0	-0	8.8	2.3	0.5	0.0	11.1	6	
5	101	-27	-1	-0	0	0	-0	8.7	1.8	0.5	0.0	10.5	1	
6	101	-37	-1	-0	0	0	-0	11.9	4.5	1.2	0.0	16.4	6	
7	101	-23	-1	-0	0	0	-0	7.6	2.6	0.8	0.0	10.2	6	
8	101	-23	-1	-0	0	0	-0	7.5	2.8	0.8	0.0	10.3	6	
9	101	-23	-1	-0	0	0	-0	7.4	1.9	0.8	0.0	9.3	6	
10	101	-43	-1	-0	0	0	-0	13.9	2.2	0.8	0.0	16.1	6	
11	101	-27	-1	-0	0	0	-0	8.8	1.2	0.5	0.0	10.0	6	
12	101	-27	-1	-0	0	0	-0	8.7	1.3	0.5	0.0	10.1	6	
13	101	-27	-1	-0	0	0	-0	8.6	1.8	0.5	0.0	10.4	1	
14	101	-39	-1	-0	0	0	-0	12.7	2.1	1.3	0.0	14.8	6	
15	101	-23	-1	-0	0	-0	-0	7.5	1.1	0.8	0.0	8.6	6	
16	101	-23	-1	-0	0	0	-0	7.5	1.2	0.8	0.0	8.7	6	
17	101	-23	-1	-0	0	0	-0	7.4	1.8	0.8	0.0	9.2	1	

ASTA NUM. 174 NI 214 NF 233 Lungh. 40.5 cm SEZ. 6 Ps L 40X 4

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	11	-0	-0	0	-0	0	3.5	5.5	0.2	0.0	9.0	1	
1E	0	11	-0	-0	0	-0	0	3.7	5.5	0.2	0.0	9.2	1	
1I	0	10	-0	-0	0	-0	0	3.3	5.4	0.2	0.0	8.7	1	
1M	0	12	-0	-0	0	-0	0	3.8	5.4	0.2	0.0	9.2	1	
2	0	16	-0	-2	0	-0	0	5.0	6.9	1.7	0.0	12.0	1	
3	0	10	0	-1	0	-0	0	3.2	4.1	1.0	0.0	7.3	1	
4	0	10	0	-1	0	-0	0	3.2	4.2	1.0	0.0	7.4	1	
5	0	10	-0	-1	0	-0	0	3.1	5.0	1.1	0.0	8.1	1	
6	0	15	-0	-1	0	-0	0	4.9	8.6	0.7	0.0	13.6	1	
7	0	10	0	-0	0	-0	0	3.2	5.1	0.4	0.0	8.3	1	
8	0	10	0	-0	0	-0	0	3.1	5.2	0.4	0.0	8.4	1	
9	0	9	-0	-1	0	-0	0	3.0	6.2	0.5	0.0	9.3	1	
10	0	15	-0	-2	0	-0	0	4.9	3.9	1.5	0.0	8.8	1	
11	0	10	0	-1	0	-0	0	3.1	2.2	0.9	0.0	5.3	1	
12	0	10	-0	-1	0	-0	0	3.1	2.3	0.9	0.0	5.4	1	
13	0	9	-0	-1	0	-0	0	3.0	3.0	1.0	0.0	6.0	1	
14	0	16	-0	-1	0	-0	0	5.2	3.7	0.5	0.0	8.9	1	
15	0	9	0	-0	0	-0	0	3.1	2.0	0.3	0.0	5.0	1	
16	0	9	0	-0	0	-0	0	3.0	2.1	0.3	0.0	5.1	1	
17	0	9	-0	-0	0	-0	0	2.9	3.0	0.4	0.0	6.0	1	
1A	20	11	-0	-0	0	-0	-0	3.6	2.1	0.2	0.0	5.7	1	
1E	20	12	-0	-0	0	-0	-0	3.8	2.1	0.2	0.0	5.9	1	
1I	20	11	-0	-0	0	-0	-0	3.5	2.0	0.2	0.0	5.4	1	
1M	20	12	-0	-0	0	-0	-0	4.0	2.0	0.2	0.0	6.0	1	
2	20	16	-0	-0	0	0	0	5.3	6.8	0.3	0.0	12.1	1	
3	20	10	0	-0	0	0	0	3.3	4.4	0.2	0.0	7.7	1	
4	20	10	0	-0	0	0	0	3.3	4.4	0.2	0.0	7.7	1	
5	20	10	-0	-0	0	0	0	3.3	4.1	0.2	0.0	7.4	1	
6	20	16	-0	-0	0	-0	0	5.2	0.8	0.4	0.0	6.0	1	
7	20	10	0	-0	0	-0	0	3.3	1.3	0.2	0.0	4.6	6	
8	20	10	0	-0	0	-0	0	3.3	0.4	0.2	0.0	3.7	1	
9	20	10	-0	-0	0	-0	0	3.2	0.7	0.3	0.0	3.8	1	
10	20	16	-0	-0	0	0	-0	5.1	8.2	0.2	0.0	13.3	1	
11	20	10	0	-0	0	0	0	3.3	5.0	0.1	0.0	8.3	1	
12	20	10	-0	-0	0	0	0	3.2	5.0	0.1	0.0	8.2	1	
13	20	10	-0	-0	0	0	-0	3.2	5.4	0.1	0.0	8.6	1	
14	20	17	-0	-0	0	0	0	5.4	0.9	0.2	0.0	6.3	1	
15	20	10	0	-0	0	0	0	3.2	1.1	0.1	0.0	4.3	6	
16	20	10	0	-0	0	0	0	3.2	0.7	0.1	0.0	3.8	1	
17	20	9	-0	-0	0	0	-0	3.1	1.7	0.2	0.0	4.7	6	
1A	41	12	-0	-0	0	0	-0	3.8	1.6	0.2	0.0	5.4	1	
1E	41	12	-0	-0	0	0	-0	4.0	1.6	0.2	0.0	5.6	1	
1I	41	11	-0	-0	0	0	-0	3.6	1.5	0.2	0.0	5.1	1	
1M	41	13	-0	-0	0	0	-0	4.2	1.5	0.2	0.0	5.7	1	
2	41	17	-0	1	0	0	-0	5.5	1.9	1.1	0.0	7.4	1	

3	41	11	0	1	0	0	0	3.5	1.5	0.7	0.0	5.0	6
4	41	11	0	1	0	0	0	3.5	1.0	0.7	0.0	4.5	1
5	41	10	-0	1	0	0	-0	3.4	1.7	0.6	0.0	5.1	1
6	41	17	-0	-0	0	0	0	5.4	2.3	0.0	0.0	7.7	1
7	41	11	0	-0	0	0	0	3.4	2.9	0.1	0.0	6.4	6
8	41	10	0	-0	0	0	0	3.4	1.4	0.0	0.0	4.8	1
9	41	10	-0	-0	0	0	0	3.3	1.9	0.1	0.0	5.2	1
10	41	17	-0	1	0	0	-0	5.4	1.9	1.2	0.0	7.3	6
11	41	10	0	1	0	0	0	3.4	0.4	0.8	0.0	3.8	1
12	41	10	-0	1	0	0	0	3.4	0.4	0.8	0.0	3.7	1
13	41	10	-0	1	0	0	-0	3.3	3.2	0.7	0.0	6.5	6
14	41	17	-0	0	0	0	-0	5.7	1.6	0.2	0.0	7.3	6
15	41	10	0	0	0	0	0	3.4	1.9	0.1	0.0	5.2	6
16	41	10	0	0	0	0	0	3.3	0.4	0.1	0.0	3.8	1
17	41	10	-0	0	0	0	-0	3.2	3.6	0.1	0.0	6.8	6

ASTA NUM. 175 NI 128 NF 233 Lungh. 101.0 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.7729	-0.1932	--	--	2.2146	1.2484 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-27	1	0	0	-0	-0	8.7	7.5	1.1	0.0	16.2	6	
1E	0	-25	1	0	0	-0	-0	8.1	7.5	1.1	0.0	15.6	6	
1I	0	-28	1	-0	0	-0	-0	9.2	7.4	1.1	0.0	16.6	6	
1M	0	-23	1	-0	0	-0	-0	7.6	7.4	1.1	0.0	15.0	6	
2	0	-47	1	0	0	-0	-0	15.2	9.2	1.0	0.0	24.5	6	
3	0	-29	1	0	0	-0	-0	9.6	5.4	0.6	0.0	15.0	6	
4	0	-29	1	0	0	-0	-0	9.6	5.4	0.6	0.0	15.0	6	
5	0	-29	1	0	0	0	-0	9.4	5.4	0.6	0.0	14.9	6	
6	0	-39	2	0	0	-0	-0	12.5	11.8	1.4	0.0	24.4	6	
7	0	-24	1	-0	0	-0	-0	7.9	6.9	0.9	0.0	14.8	6	
8	0	-24	1	0	0	-0	-0	7.9	7.0	0.9	0.0	14.9	6	
9	0	-24	1	-0	0	-0	-0	7.7	6.9	0.9	0.0	14.7	6	
10	0	-47	1	0	0	0	-0	15.1	7.5	1.0	0.0	22.6	6	
11	0	-29	1	0	0	-0	-0	9.5	4.1	0.6	0.0	13.6	6	
12	0	-29	1	0	0	0	-0	9.5	4.3	0.6	0.0	13.8	6	
13	0	-29	1	0	0	0	-0	9.4	4.5	0.6	0.0	13.9	6	
14	0	-41	2	0	0	-0	-0	13.3	7.9	1.5	0.0	21.2	6	
15	0	-24	1	-0	0	-0	-0	7.9	4.3	0.9	0.0	12.2	6	
16	0	-24	1	0	0	-0	-0	7.8	4.5	0.9	0.0	12.4	6	
17	0	-24	1	-0	0	0	-0	7.7	4.6	0.9	0.0	12.2	6	
1A	50	-26	0	0	0	-0	0	8.6	13.7	0.1	0.0	22.3	6	
1E	50	-24	0	0	0	-0	0	7.9	13.7	0.1	0.0	21.6	6	
1I	50	-28	0	-0	0	-0	0	9.1	13.7	0.1	0.0	22.8	6	
1M	50	-23	0	-0	0	-0	0	7.4	13.7	0.1	0.0	21.2	6	
2	50	-45	0	0	0	-0	0	14.6	9.8	0.1	0.0	24.4	6	
3	50	-28	0	0	0	-0	0	9.2	6.3	0.0	0.0	15.5	6	
4	50	-28	0	0	0	-0	0	9.2	6.2	0.1	0.0	15.3	6	
5	50	-28	0	0	0	0	0	9.0	6.6	0.1	0.0	15.7	6	
6	50	-38	0	0	0	-0	0	12.2	16.0	0.1	0.0	28.2	6	
7	50	-24	0	-0	0	-0	0	7.7	10.7	0.1	0.0	18.4	6	
8	50	-24	0	0	0	-0	0	7.7	10.3	0.1	0.0	17.9	6	
9	50	-23	0	-0	0	-0	0	7.5	10.4	0.1	0.0	17.9	6	
10	50	-45	0	0	0	-0	0	14.5	11.6	0.1	0.0	26.0	6	
11	50	-28	0	0	0	-0	0	9.1	7.7	0.0	0.0	16.8	6	
12	50	-28	0	0	0	-0	0	9.1	7.5	0.0	0.0	16.6	6	
13	50	-28	0	0	0	0	0	8.9	7.8	0.1	0.0	16.8	6	
14	50	-40	0	0	0	-0	0	13.0	20.3	0.1	0.0	33.3	6	
15	50	-24	0	-0	0	-0	0	7.7	12.3	0.0	0.0	19.9	6	
16	50	-23	0	0	0	-0	0	7.6	11.9	0.0	0.0	19.5	6	
17	50	-23	0	-0	0	0	0	7.5	12.2	0.1	0.0	19.7	6	
1A	101	-26	-1	0	0	-0	-0	8.4	2.9	1.0	0.0	11.3	6	
1E	101	-24	-1	0	0	-0	-0	7.8	2.9	1.0	0.0	10.7	6	
1I	101	-27	-1	-0	0	-0	-0	8.9	2.8	1.0	0.0	11.7	6	
1M	101	-22	-1	-0	0	-0	-0	7.3	2.8	1.0	0.0	10.1	6	
2	101	-43	-1	0	0	-0	-0	13.9	3.5	0.8	0.0	17.4	6	
3	101	-27	-1	0	0	-0	-0	8.8	2.3	0.5	0.0	11.1	6	
4	101	-27	-1	0	0	-0	-0	8.7	2.2	0.5	0.0	11.0	6	
5	101	-27	-1	0	0	-0	-0	8.6	1.3	0.5	0.0	9.9	6	
6	101	-37	-1	0	0	-0	-0	11.9	4.3	1.2	0.0	16.2	6	
7	101	-23	-1	-0	0	-0	-0	7.5	2.9	0.8	0.0	10.4	6	
8	101	-23	-1	0	0	-0	-0	7.5	2.8	0.8	0.0	10.2	6	
9	101	-23	-1	-0	0	0	-0	7.3	1.7	0.8	0.0	9.0	6	
10	101	-43	-1	0	0	-0	-0	13.8	1.9	0.8	0.0	15.7	6	
11	101	-27	-1	0	0	-0	-0	8.7	1.3	0.5	0.0	10.0	6	
12	101	-27	-1	0	0	-0	-0	8.7	1.3	0.5	0.0	9.9	6	
13	101	-26	-1	0	0	0	-0	8.5	0.8	0.5	0.0	9.3	1	
14	101	-39	-1	0	0	-0	-0	12.6	1.9	1.3	0.0	14.6	6	
15	101	-23	-1	-0	0	-0	-0	7.5	1.4	0.8	0.0	8.8	6	
16	101	-23	-1	0	0	-0	-0	7.4	1.2	0.8	0.0	8.7	6	
17	101	-22	-1	-0	0	0	-0	7.3	1.3	0.8	0.0	8.5	1	

ASTA NUM. 176 NI 229 NF 221 Lungh. 81.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-229	1	0	0	0	-0	65.5	3.5	1.0	0.0	69.0	6	
1E	0	-222	1	0	0	0	-0	63.5	3.5	1.0	0.0	67.0	6	
1I	0	-227	1	0	0	0	-0	65.0	3.1	1.0	0.0	68.2	6	
1M	0	-223	1	0	0	0	-0	63.9	3.1	1.0	0.0	67.1	6	
2	0	-316	2	0	0	0	-0	90.5	5.2	1.4	0.0	95.7	6	
3	0	-285	1	0	0	0	-0	81.6	3.5	0.9	0.0	85.1	6	
4	0	-230	1	0	0	0	-0	65.9	3.3	0.9	0.0	69.3	6	
5	0	-1853	1	0	0	0	-0	530.9	5.2	0.9	0.0	536.2	6	
6	0	-276	2	0	0	0	-0	79.2	4.9	1.4	0.0	84.0	6	
7	0	-309	1	0	0	0	-0	88.5	3.4	0.9	0.0	91.9	6	
8	0	-211	1	0	0	0	-0	60.4	3.2	0.9	0.0	63.5	6	
9	0	-2267	1	0	0	0	-0	649.6	5.9	0.9	0.0	655.5	6	
10	0	-302	2	0	0	0	-0	86.5	5.2	1.4	0.0	91.7	6	
11	0	-276	1	0	0	0	-0	79.1	3.5	0.9	0.0	82.6	6	
12	0	-232	1	0	0	0	-0	66.5	3.4	0.9	0.0	69.9	6	
13	0	-1721	1	0	0	0	-0	493.1	3.8	0.9	0.0	496.9	6	
14	0	-277	2	0	0	0	-0	79.3	5.4	1.5	0.0	84.7	6	
15	0	-309	1	0	0	0	-0	88.5	3.5	0.9	0.0	92.0	6	
16	0	-228	1	0	0	0	-0	65.4	3.3	0.9	0.0	68.7	6	
17	0	-2067	1	0	0	0	-0	592.3	3.6	0.9	0.0	595.9	6	
1A	40	-229	0	0	0	-0	0	65.5	10.1	0.1	0.0	75.6	6	
1E	40	-222	0	0	0	-0	0	63.5	10.1	0.1	0.0	73.6	6	
1I	40	-227	0	0	0	-0	0	65.0	10.3	0.1	0.0	75.3	6	
1M	40	-223	0	0	0	-0	0	63.9	10.3	0.1	0.0	74.2	6	
2	40	-316	0	0	0	-0	0	90.5	13.9	0.1	0.0	104.5	6	
3	40	-285	0	0	0	-0	0	81.6	8.5	0.1	0.0	90.2	6	
4	40	-230	0	0	0	-0	0	65.9	8.6	0.1	0.0	74.6	6	
5	40	-1853	0	0	0	0	0	530.9	7.5	0.1	0.0	538.5	6	
6	40	-276	0	0	0	-0	0	79.2	14.2	0.1	0.0	93.4	6	
7	40	-309	0	0	0	-0	0	88.5	8.6	0.1	0.0	97.0	6	
8	40	-211	0	0	0	-0	0	60.4	8.8	0.1	0.0	69.1	6	
9	40	-2267	0	0	0	0	0	649.6	7.0	0.1	0.0	656.5	6	
10	40	-302	0	0	0	-0	0	86.5	13.8	0.1	0.0	100.3	6	
11	40	-276	0	0	0	-0	0	79.1	8.4	0.1	0.0	87.6	6	
12	40	-232	0	0	0	-0	0	66.5	8.5	0.1	0.0	75.0	6	
13	40	-1721	0	0	0	0	0	493.1	8.9	0.1	0.0	502.0	6	
14	40	-277	0	0	0	-0	0	79.3	14.8	0.1	0.0	94.1	6	
15	40	-309	0	0	0	-0	0	88.5	8.4	0.1	0.0	96.9	6	
16	40	-228	0	0	0	-0	0	65.4	8.5	0.1	0.0	73.9	6	
17	40	-2067	0	0	0	0	0	592.3	9.1	0.1	0.0	601.4	6	
1A	81	-229	-1	0	0	-0	-0	65.5	1.6	0.9	0.0	67.1	1	
1E	81	-222	-1	0	0	-0	-0	63.5	1.6	0.9	0.0	65.1	1	
1I	81	-227	-1	0	0	-0	-0	65.0	1.6	0.9	0.0	66.6	1	
1M	81	-223	-1	0	0	-0	-0	63.9	1.6	0.9	0.0	65.5	1	
2	81	-316	-1	0	0	-0	0	90.5	1.9	1.2	0.0	92.5	1	
3	81	-285	-1	0	0	-0	0	81.6	1.2	0.7	0.0	82.8	1	
4	81	-230	-1	0	0	-0	0	65.9	1.2	0.7	0.0	67.1	1	
5	81	-1853	-1	0	0	0	-0	530.9	1.1	0.7	0.0	532.0	6	
6	81	-276	-1	0	0	-0	0	79.2	2.4	1.2	0.0	81.6	1	
7	81	-309	-1	0	0	-0	0	88.5	1.5	0.7	0.0	89.9	1	
8	81	-211	-1	0	0	-0	0	60.4	1.5	0.7	0.0	61.9	1	
9	81	-2267	-1	0	0	0	-0	649.6	1.8	0.7	0.0	651.3	6	
10	81	-302	-1	0	0	-0	0	86.5	1.2	1.2	0.0	87.8	1	
11	81	-276	-1	0	0	-0	0	79.1	0.8	0.7	0.0	79.9	1	
12	81	-232	-1	0	0	-0	0	66.5	0.8	0.7	0.0	67.3	1	
13	81	-1721	-1	0	0	0	0	493.1	0.2	0.7	0.0	493.3	1	
14	81	-277	-2	0	0	-0	0	79.3	1.3	1.3	0.0	80.6	1	
15	81	-309	-1	0	0	-0	0	88.5	0.8	0.7	0.0	89.3	1	
16	81	-228	-1	0	0	-0	0	65.4	0.8	0.7	0.0	66.2	1	
17	81	-2067	-1	0	0	0	0	592.3	0.6	0.7	0.0	592.9	6	

ASTA NUM. 177 NI 228 NF 221 Lungh. 81.0 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	218	1	-0	0	-0	-0	62.5	3.3	1.0	0.0	65.8	6	

1E	0	225	1	-0	0	-0	-0	64.5	3.3	1.0	0.0	67.8	6
1I	0	220	1	-0	0	-0	-0	62.9	3.1	1.0	0.0	66.0	6
1M	0	223	1	-0	0	-0	-0	64.0	3.1	1.0	0.0	67.1	6
2	0	311	2	-0	0	-0	-0	89.2	5.0	1.4	0.0	94.2	6
3	0	282	1	-0	0	-0	-0	80.8	2.8	0.9	0.0	83.6	6
4	0	227	1	-0	0	-0	-0	65.1	3.0	0.9	0.0	68.1	6
5	0	1851	1	-0	0	0	-0	530.4	2.7	0.9	0.0	533.1	6
6	0	271	2	-0	0	-0	-0	77.7	4.8	1.4	0.0	82.5	6
7	0	305	1	-0	0	-0	-0	87.5	2.5	0.9	0.0	89.9	6
8	0	207	1	-0	0	-0	-0	59.4	2.8	0.9	0.0	62.2	6
9	0	2265	1	-0	0	0	-0	649.0	2.0	0.9	0.0	651.0	6
10	0	297	2	-0	0	-0	-0	85.1	5.2	1.4	0.0	90.3	6
11	0	273	1	-0	0	0	-0	78.2	2.9	0.9	0.0	81.1	6
12	0	229	1	-0	0	-0	-0	65.6	3.0	0.9	0.0	68.7	6
13	0	1718	1	-0	0	0	-0	492.3	4.2	0.9	0.0	496.5	6
14	0	271	2	-0	0	-0	-0	77.6	5.3	1.5	0.0	82.9	6
15	0	305	1	-0	0	0	-0	87.4	2.6	0.9	0.0	90.1	6
16	0	225	1	-0	0	0	-0	64.4	2.8	0.9	0.0	67.2	6
17	0	2065	1	-0	0	0	-0	591.7	4.5	0.9	0.0	596.2	6
1A	40	218	0	-0	0	0	0	62.5	10.1	0.1	0.0	72.6	6
1E	40	225	0	-0	0	0	0	64.5	10.1	0.1	0.0	74.6	6
1I	40	220	0	-0	0	0	0	62.9	10.3	0.1	0.0	73.2	6
1M	40	223	0	-0	0	0	0	64.0	10.3	0.1	0.0	74.3	6
2	40	311	0	-0	0	0	0	89.2	14.0	0.1	0.0	103.2	6
3	40	282	0	-0	0	0	0	80.8	9.0	0.1	0.0	89.7	6
4	40	227	0	-0	0	0	0	65.1	8.8	0.1	0.0	73.9	6
5	40	1851	0	-0	0	0	0	530.4	10.0	0.1	0.0	540.4	6
6	40	271	0	-0	0	0	0	77.7	14.2	0.1	0.0	91.9	6
7	40	305	0	-0	0	0	0	87.5	9.2	0.1	0.0	96.7	6
8	40	207	0	-0	0	0	0	59.4	9.0	0.1	0.0	68.4	6
9	40	2265	0	-0	0	0	0	649.0	10.8	0.1	0.0	659.8	6
10	40	297	0	-0	0	0	0	85.1	13.8	0.1	0.0	98.9	6
11	40	273	0	-0	0	0	0	78.2	8.8	0.1	0.0	87.1	6
12	40	229	0	-0	0	0	0	65.6	8.7	0.1	0.0	74.4	6
13	40	1718	0	-0	0	0	0	492.3	8.5	0.1	0.0	500.8	6
14	40	271	0	-0	0	0	0	77.6	14.9	0.1	0.0	92.4	6
15	40	305	0	-0	0	0	0	87.4	9.1	0.1	0.0	96.5	6
16	40	225	0	-0	0	0	0	64.4	8.9	0.1	0.0	73.3	6
17	40	2065	0	-0	0	0	0	591.7	8.4	0.1	0.0	600.1	6
1A	81	218	-1	-0	0	0	-0	62.5	1.7	0.9	0.0	64.2	1
1E	81	225	-1	-0	0	0	-0	64.5	1.7	0.9	0.0	66.2	1
1I	81	220	-1	-0	0	0	-0	62.9	1.7	0.9	0.0	64.6	1
1M	81	223	-1	-0	0	0	-0	64.0	1.7	0.9	0.0	65.7	1
2	81	311	-1	-0	0	0	0	89.2	2.1	1.2	0.0	91.3	1
3	81	282	-1	-0	0	0	0	80.8	1.3	0.7	0.0	82.1	1
4	81	227	-1	-0	0	0	0	65.1	1.3	0.7	0.0	66.4	1
5	81	1851	-1	-0	0	0	0	530.4	2.2	0.7	0.0	532.6	1
6	81	271	-1	-0	0	0	0	77.7	2.6	1.2	0.0	80.3	1
7	81	305	-1	-0	0	0	0	87.5	1.6	0.8	0.0	89.0	1
8	81	207	-1	-0	0	0	0	59.4	1.6	0.7	0.0	61.0	1
9	81	2265	-1	-0	0	0	0	649.0	2.9	0.7	0.0	651.9	6
10	81	297	-1	-0	0	0	0	85.1	1.4	1.2	0.0	86.5	1
11	81	273	-1	-0	0	0	0	78.2	0.9	0.7	0.0	79.1	1
12	81	229	-1	-0	0	0	0	65.6	0.9	0.7	0.0	66.5	1
13	81	1718	-1	-0	0	0	0	492.3	1.3	0.7	0.0	493.5	1
14	81	271	-2	-0	0	0	0	77.6	1.5	1.3	0.0	79.1	1
15	81	305	-1	-0	0	0	0	87.4	0.9	0.7	0.0	88.3	1
16	81	225	-1	-0	0	0	0	64.4	0.9	0.7	0.0	65.3	1
17	81	2065	-1	-0	0	0	0	591.7	1.4	0.7	0.0	593.1	1

ASTA NUM. 178 NI 224 NF 229 Lungh. 161.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	219	2	-0	0	-0	-0	62.7	1.9	1.9	0.0	64.6	6	
1E	0	230	2	-0	0	-0	-0	65.8	1.9	1.9	0.0	67.7	6	
1I	0	222	2	-0	0	-0	-0	63.5	1.9	1.9	0.0	65.4	6	
1M	0	227	2	-0	0	-0	-0	65.0	1.9	1.9	0.0	66.9	6	
2	0	316	3	-0	0	-0	-0	90.4	2.5	2.6	0.0	92.9	6	
3	0	288	2	-0	0	-0	-0	82.6	1.4	1.7	0.0	83.9	6	
4	0	231	2	-0	0	-0	-0	66.2	1.5	1.7	0.0	67.7	6	
5	0	1849	2	0	0	0	0	529.8	0.4	1.7	0.0	530.2	1	
6	0	275	3	-0	0	-0	-0	78.9	2.9	2.6	0.0	81.8	6	
7	0	313	2	-0	0	-0	-0	89.8	1.5	1.7	0.0	91.3	6	
8	0	212	2	-0	0	-0	-0	60.6	1.7	1.7	0.0	62.3	6	
9	0	2263	2	0	0	0	0	648.4	0.5	1.7	0.0	648.9	1	
10	0	302	3	-0	0	-0	-0	86.4	1.9	2.6	0.0	88.3	6	
11	0	279	2	-0	0	-0	-0	80.1	1.0	1.7	0.0	81.0	6	
12	0	234	2	-0	0	-0	-0	66.9	1.0	1.7	0.0	68.0	6	
13	0	1711	2	0	0	0	-0	490.3	1.1	1.7	0.0	491.3	6	
14	0	277	3	-0	0	-0	-0	79.3	1.9	2.8	0.0	81.3	6	
15	0	314	2	-0	0	-0	-0	90.0	0.9	1.6	0.0	90.9	6	
16	0	231	2	-0	0	-0	-0	66.0	1.0	1.7	0.0	67.0	6	
17	0	2056	2	0	0	0	-0	589.1	1.1	1.7	0.0	590.2	6	
1A	81	219	0	-0	0	0	1	62.7	46.2	0.0	0.0	108.9	6	
1E	81	230	0	-0	0	0	1	65.8	46.2	0.0	0.0	112.0	6	
1I	81	222	0	-0	0	0	1	63.5	46.1	0.0	0.0	109.6	6	
1M	81	227	0	-0	0	0	1	65.0	46.1	0.0	0.0	111.1	6	
2	81	316	0	-0	0	0	1	90.4	65.0	0.1	0.0	155.4	6	
3	81	288	0	-0	0	0	1	82.6	40.7	0.0	0.0	123.2	6	
4	81	231	0	-0	0	0	1	66.2	40.7	0.0	0.0	106.9	6	
5	81	1849	0	0	0	0	1	529.8	41.9	0.1	0.0	571.7	6	
6	81	275	0	-0	0	0	1	78.9	64.6	0.1	0.0	143.5	6	
7	81	313	0	-0	0	0	1	89.8	40.5	0.0	0.0	130.3	6	
8	81	212	0	-0	0	0	1	60.6	40.5	0.0	0.0	101.1	6	
9	81	2263	0	0	0	0	1	648.4	42.3	0.1	0.0	690.7	6	
10	81	302	0	-0	0	0	1	86.4	65.3	0.1	0.0	151.7	6	
11	81	279	0	-0	0	0	1	80.1	40.9	0.0	0.0	121.0	6	
12	81	234	0	-0	0	0	1	66.9	40.9	0.0	0.0	107.8	6	
13	81	1711	0	0	0	0	1	490.3	41.2	0.0	0.0	531.4	6	
14	81	277	0	-0	0	0	1	79.3	70.0	0.1	0.0	149.3	6	
15	81	314	0	-0	0	0	1	90.0	40.9	0.0	0.0	130.9	6	
16	81	231	0	-0	0	0	1	66.0	40.9	0.0	0.0	106.9	6	
17	81	2056	0	0	0	-0	1	589.1	41.1	0.0	0.0	630.2	6	
1A	162	219	-2	-0	0	0	0	62.7	3.3	1.8	0.0	66.0	6	
1E	162	230	-2	-0	0	0	0	65.8	3.3	1.8	0.0	69.1	6	
1I	162	222	-2	-0	0	0	0	63.5	3.0	1.8	0.0	66.5	6	
1M	162	227	-2	-0	0	0	0	65.0	3.0	1.8	0.0	68.0	6	
2	162	316	-3	-0	0	0	0	90.4	4.9	2.5	0.0	95.4	6	
3	162	288	-2	-0	0	0	0	82.6	3.0	1.6	0.0	85.6	6	
4	162	231	-2	-0	0	0	0	66.2	3.1	1.6	0.0	69.3	6	
5	162	1849	-2	0	0	-0	0	529.8	4.7	1.6	0.0	534.5	6	
6	162	275	-3	-0	0	0	0	78.9	4.7	2.5	0.0	83.6	6	
7	162	313	-2	-0	0	0	0	89.8	2.9	1.6	0.0	92.7	6	
8	162	212	-2	-0	0	0	0	60.6	2.9	1.6	0.0	63.6	6	
9	162	2263	-2	0	0	-0	0	648.4	5.2	1.6	0.0	653.6	6	
10	162	302	-3	-0	0	0	0	86.4	5.1	2.5	0.0	91.5	6	
11	162	279	-2	-0	0	0	0	80.1	3.1	1.6	0.0	83.2	6	
12	162	234	-2	-0	0	0	0	66.9	3.2	1.6	0.0	70.1	6	
13	162	1711	-2	0	0	-0	0	490.3	3.7	1.6	0.0	494.0	6	
14	162	277	-3	-0	0	0	0	79.3	5.3	2.7	0.0	84.6	6	
15	162	314	-2	-0	0	0	0	90.0	3.0	1.6	0.0	93.0	6	
16	162	231	-2	-0	0	0	0	66.0	3.1	1.6	0.0	69.1	6	
17	162	2056	-2	0	0	-0	0	589.1	3.6	1.6	0.0	592.8	6	

ASTA NUM. 179 NI 225 NF 228 Lungh. 161.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-226	2	0	0	0	-0	64.9	2.1	1.9	0.0	67.0	6	
1E	0	-216	2	0	0	0	-0	61.8	2.1	1.9	0.0	63.9	6	
1I	0	-224	2	0	0	0	-0	64.1	2.0	1.9	0.0	66.1	6	
1M	0	-219	2	0	0	0	-0	62.6	2.0	1.9	0.0	64.6	6	
2	0	-311	3	0	0	0	-0	89.1	2.7	2.6	0.0	91.8	6	
3	0	-285	2	0	0	0	-0	81.7	1.8	1.7	0.0	83.5	6	
4	0	-228	2	0	0	0	-0	65.4	1.8	1.7	0.0	67.2	6	
5	0	-1846	2	0	0	0	-0	528.9	2.3	1.7	0.0	531.2	6	
6	0	-271	3	0	0	0	-0	77.7	3.1	2.6	0.0	80.8	6	
7	0	-310	2	0	0	0	-0	88.9	2.1	1.7	0.0	91.1	6	
8	0	-209	2	0	0	0	-0	59.8	2.0	1.7	0.0	61.8	6	
9	0	-2260	2	0	0	0	-0	647.6	2.8	1.7	0.0	650.4	6	
10	0	-296	3	0	0	0	-0	84.7	2.0	2.6	0.0	86.7	6	
11	0	-275	2	0	0	0	-0	78.9	1.4	1.7	0.0	80.3	6	
12	0	-230	2	0	0	0	-0	65.8	1.4	1.7	0.0	67.2	6	
13	0	-1708	2	0	0	0	-0	489.4	1.4	1.7	0.0	490.8	6	
14	0	-270	3	0	0	0	-0	77.3	2.1	2.8	0.0	79.4	6	
15	0	-310	2	0	0	0	-0	88.7	1.5	1.7	0.0	90.2	6	
16	0	-226	2	0	0	0	-0	64.8	1.4	1.7	0.0	66.2	6	
17	0	-2052	2	0	0	0	-0	588.0	1.4	1.7	0.0	589.3	6	
1A	81	-226	0	0	0	-0	1	64.9	46.2	0.0	0.0	111.0	6	
1E	81	-216	0	0	0	-0	1	61.8	46.2	0.0	0.0	108.0	6	
1I	81	-224	0	0	0	-0	1	64.1	46.1	0.0	0.0	110.2	6	
1M	81	-219	0	0	0	-0	1	62.6	46.1	0.0	0.0	108.7	6	
2	81	-311	0	0	0	-0	1	89.1	64.9	0.1	0.0	154.0	6	
3	81	-285	0	0	0	-0	1	81.7	40.5	0.0	0.0	122.1	6	
4	81	-228	0	0	0	-0	1	65.4	40.5	0.0	0.0	105.9	6	
5	81	-1846	0	0	0	-0	1	528.9	39.9	0.0	0.0	568.9	6	

6	81	-271	0	0	0	-0	1	77.7	64.6	0.1	0.0	142.3	6
7	81	-310	0	0	0	-0	1	88.9	40.2	0.0	0.0	129.2	6
8	81	-209	0	0	0	-0	1	59.8	40.3	0.0	0.0	100.1	6
9	81	-2260	0	0	0	-0	1	647.6	39.4	0.0	0.0	686.9	6
10	81	-296	0	0	0	-0	1	84.7	65.3	0.1	0.0	150.0	6
11	81	-275	0	0	0	-0	1	78.9	40.7	0.0	0.0	119.6	6
12	81	-230	0	0	0	-0	1	65.8	40.7	0.0	0.0	106.6	6
13	81	-1708	0	0	0	-0	1	489.4	41.0	0.0	0.0	530.4	6
14	81	-270	0	0	0	-0	1	77.3	69.9	0.1	0.0	147.2	6
15	81	-310	0	0	0	-0	1	88.7	40.6	0.0	0.0	129.3	6
16	81	-226	0	0	0	-0	1	64.8	40.7	0.0	0.0	105.5	6
17	81	-2052	0	0	0	-0	1	588.0	41.0	0.0	0.0	629.0	6
1A	162	-226	-2	0	0	-0	0	64.9	3.4	1.8	0.0	68.2	6
1E	162	-216	-2	0	0	-0	0	61.8	3.4	1.8	0.0	65.2	6
1I	162	-224	-2	0	0	-0	0	64.1	3.1	1.8	0.0	67.2	6
1M	162	-219	-2	0	0	-0	0	62.6	3.1	1.8	0.0	65.7	6
2	162	-311	-3	0	0	-0	0	89.1	5.1	2.5	0.0	94.2	6
3	162	-285	-2	0	0	-0	0	81.7	3.1	1.6	0.0	84.8	6
4	162	-228	-2	0	0	-0	0	65.4	3.1	1.6	0.0	68.5	6
5	162	-1846	-2	0	0	-0	0	528.9	2.5	1.6	0.0	531.4	6
6	162	-271	-3	0	0	-0	0	77.7	4.8	2.5	0.0	82.5	6
7	162	-310	-2	0	0	-0	0	88.9	2.9	1.6	0.0	91.9	6
8	162	-209	-2	0	0	-0	0	59.8	3.0	1.6	0.0	62.8	6
9	162	-2260	-2	0	0	-0	0	647.6	1.9	1.6	0.0	649.4	6
10	162	-296	-3	0	0	-0	0	84.7	5.2	2.5	0.0	89.9	6
11	162	-275	-2	0	0	-0	0	78.9	3.2	1.6	0.0	82.1	6
12	162	-230	-2	0	0	-0	0	65.8	3.2	1.6	0.0	69.0	6
13	162	-1708	-2	0	0	-0	0	489.4	3.6	1.6	0.0	493.0	6
14	162	-270	-3	0	0	-0	0	77.3	5.4	2.7	0.0	82.7	6
15	162	-310	-2	0	0	-0	0	88.7	3.1	1.6	0.0	91.8	6
16	162	-226	-2	0	0	-0	0	64.8	3.1	1.6	0.0	67.9	6
17	162	-2052	-2	0	0	-0	0	588.0	3.7	1.6	0.0	591.7	6

ASTA NUM. 180 NI 224 NF 225 Lungh. 132.6 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-49	2	0	0	0	0	14.0	0.1	1.5	0.0	14.3	5	
1E	0	-48	2	0	0	0	0	13.6	0.1	1.5	0.0	13.9	5	
1I	0	-50	2	0	0	0	0	14.4	0.0	1.5	0.0	14.6	5	
1M	0	-46	2	0	0	0	0	13.2	0.0	1.5	0.0	13.5	5	
2	0	-87	3	0	0	0	0	24.9	0.0	2.1	0.0	25.2	5	
3	0	0	2	0	0	0	0	0.1	0.0	1.3	0.0	2.3	5	
4	0	-17	2	0	0	-0	0	4.9	0.0	1.3	0.0	5.4	5	
5	0	-157	2	0	0	0	0	44.9	1.0	1.3	0.0	45.9	1	
6	0	-119	3	0	0	-0	0	34.2	0.6	2.1	0.0	34.8	6	
7	0	0	2	0	0	0	0	0.1	0.0	1.3	0.0	2.3	5	
8	0	-33	2	0	0	-0	0	9.4	0.0	1.3	0.0	9.7	5	
9	0	-212	2	0	0	0	0	60.8	1.3	1.3	0.0	62.0	1	
10	0	-277	3	0	0	0	0	79.3	0.2	2.1	0.0	79.4	1	
11	0	-120	2	0	0	0	0	34.3	0.1	1.3	0.0	34.4	5	
12	0	-139	2	0	0	0	0	39.9	0.1	1.3	0.0	40.0	5	
13	0	-233	2	0	0	0	0	66.8	1.0	1.3	0.0	67.8	1	
14	0	-350	3	0	0	0	0	100.3	0.2	2.3	0.0	100.5	1	
15	0	-145	2	0	0	0	0	41.5	0.1	1.3	0.0	41.7	1	
16	0	-183	2	0	0	0	0	52.4	0.1	1.3	0.0	52.5	1	
17	0	-282	2	0	0	0	0	80.7	1.2	1.3	0.0	81.9	1	
1A	66	-49	-0	0	0	-0	1	14.0	31.0	0.0	0.0	45.0	6	
1E	66	-48	-0	0	0	-0	1	13.6	31.0	0.0	0.0	44.6	6	
1I	66	-50	-0	0	0	-0	1	14.4	31.0	0.0	0.0	45.4	6	
1M	66	-46	-0	0	0	-0	1	13.2	31.0	0.0	0.0	44.3	6	
2	66	-87	-0	0	0	-0	1	24.9	43.2	0.0	0.0	68.1	6	
3	66	0	-0	0	0	-0	1	0.1	27.0	0.0	0.0	27.1	6	
4	66	-17	-0	0	0	-0	1	4.9	27.0	0.0	0.0	31.9	6	
5	66	-157	0	0	0	0	1	44.9	26.7	0.0	0.0	71.6	6	
6	66	-119	-0	0	0	-0	1	34.2	43.5	0.0	0.0	77.7	6	
7	66	0	-0	0	0	-0	1	0.1	27.2	0.0	0.0	27.3	6	
8	66	-33	-0	0	0	-0	1	9.4	27.2	0.0	0.0	36.6	6	
9	66	-212	0	0	0	0	1	60.8	26.8	0.0	0.0	87.6	6	
10	66	-277	-0	0	0	-0	1	79.3	42.6	0.0	0.0	121.8	6	
11	66	-120	-0	0	0	-0	1	34.3	26.6	0.0	0.0	60.9	6	
12	66	-139	-0	0	0	-0	1	39.9	26.6	0.0	0.0	66.4	6	
13	66	-233	-0	0	0	0	1	66.8	26.5	0.0	0.0	93.3	6	
14	66	-350	-0	0	0	0	1	100.3	45.5	0.0	0.0	145.8	6	
15	66	-145	-0	0	0	-0	1	41.5	26.6	0.0	0.0	68.1	6	
16	66	-183	-0	0	0	-0	1	52.4	26.5	0.0	0.0	78.9	6	
17	66	-282	-0	0	0	0	1	80.7	26.5	0.0	0.0	107.2	6	
1A	133	-49	-2	0	0	-0	0	14.0	0.4	1.5	0.0	14.4	5	
1E	133	-48	-2	0	0	-0	0	13.6	0.4	1.5	0.0	14.0	5	
1I	133	-50	-2	0	0	-0	0	14.4	0.3	1.5	0.0	14.7	5	
1M	133	-46	-2	0	0	-0	0	13.2	0.3	1.5	0.0	13.6	5	
2	133	-87	-3	0	0	-0	0	24.9	0.3	2.1	0.0	25.3	5	
3	133	0	-2	0	0	-0	0	0.1	0.3	1.3	0.0	2.3	5	
4	133	-17	-2	0	0	-0	0	4.9	0.2	1.3	0.0	5.5	5	
5	133	-157	-2	0	0	-0	0	44.9	1.0	1.3	0.0	45.9	1	
6	133	-119	-3	0	0	-0	0	34.2	0.7	2.1	0.0	34.9	6	
7	133	0	-2	0	0	-0	0	0.1	0.3	1.3	0.0	2.3	5	
8	133	-33	-2	0	0	-0	0	9.4	0.2	1.3	0.0	9.7	5	
9	133	-212	-2	0	0	-0	0	60.8	1.2	1.3	0.0	62.0	1	
10	133	-277	-3	0	0	-0	0	79.3	0.2	2.1	0.0	79.5	1	
11	133	-120	-2	0	0	-0	0	34.3	0.2	1.3	0.0	34.5	1	
12	133	-139	-2	0	0	-0	0	39.9	0.1	1.3	0.0	40.0	1	
13	133	-233	-2	0	0	-0	0	66.8	0.9	1.3	0.0	67.6	1	
14	133	-350	-3	0	0	-0	0	100.3	0.1	2.3	0.0	100.4	1	
15	133	-145	-2	0	0	-0	0	41.5	0.2	1.3	0.0	41.7	1	
16	133	-183	-2	0	0	-0	0	52.4	0.1	1.3	0.0	52.5	1	
17	133	-282	-2	0	0	-0	0	80.7	1.0	1.3	0.0	81.7	1	

ASTA NUM. 181 NI 138 NF 225 Lungh. 80.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	274	1	0	0	-0	-0	78.4	4.0	1.0	0.0	82.4	6	
1E	0	288	1	0	0	-0	-0	82.7	4.0	1.0	0.0	86.7	6	
1I	0	278	1	0	0	-0	-0	79.5	4.0	1.0	0.0	83.5	6	
1M	0	284	1	0	0	-0	-0	81.5	4.0	1.0	0.0	85.5	6	
2	0	418	2	0	0	-0	-0	119.7	5.3	1.4	0.0	125.0	6	
3	0	285	1	0	0	-0	-0	81.6	2.8	0.9	0.0	84.4	6	
4	0	249	1	0	0	-0	-0	71.4	3.0	0.9	0.0	74.5	6	
5	0	2033	1	0	0	-0	-0	582.5	2.9	0.9	0.0	585.4	6	
6	0	419	2	0	0	0	-0	119.9	6.1	1.4	0.0	126.0	6	
7	0	311	1	0	0	-0	-0	89.2	3.0	0.9	0.0	92.2	6	
8	0	250	1	0	0	-0	-0	71.6	3.5	0.9	0.0	75.1	6	
9	0	2515	1	0	0	-0	-0	720.6	3.2	0.9	0.0	723.8	6	
10	0	633	2	0	0	0	-0	181.4	5.1	1.4	0.0	186.5	6	
11	0	421	1	0	0	0	-0	120.7	2.6	0.9	0.0	123.3	6	
12	0	399	1	0	0	0	-0	114.4	2.9	0.9	0.0	117.3	6	
13	0	1989	1	0	0	-0	-0	569.9	3.1	0.9	0.0	573.0	6	
14	0	698	2	0	0	0	-0	199.9	5.8	1.5	0.0	205.6	6	
15	0	487	1	0	0	0	-0	139.5	2.5	0.9	0.0	142.1	6	
16	0	450	1	0	0	0	-0	128.8	3.0	0.9	0.0	131.9	6	
17	0	2392	1	0	0	-0	-0	685.4	3.3	0.9	0.0	688.7	6	
1A	40	274	0	0	0	-0	0	78.4	10.1	0.1	0.0	88.5	6	
1E	40	288	0	0	0	-0	0	82.7	10.1	0.1	0.0	92.8	6	
1I	40	278	0	0	0	-0	0	79.5	10.1	0.1	0.0	89.7	6	
1M	40	284	0	0	0	-0	0	81.5	10.1	0.1	0.0	91.7	6	
2	40	418	0	0	0	-0	0	119.7	14.4	0.1	0.0	134.1	6	
3	40	285	0	0	0	-0	0	81.6	9.4	0.1	0.0	91.0	6	
4	40	249	0	0	0	-0	0	71.4	9.2	0.1	0.0	80.6	6	
5	40	2033	0	0	0	-0	0	582.5	9.9	0.1	0.0	592.4	6	
6	40	419	0	0	0	-0	0	119.9	14.0	0.2	0.0	133.9	6	
7	40	311	0	0	0	-0	0	89.2	9.3	0.1	0.0	98.4	6	
8	40	250	0	0	0	-0	0	71.6	8.9	0.1	0.0	80.5	6	
9	40	2515	0	0	0	-0	0	720.6	10.0	0.1	0.0	730.6	6	
10	40	633	0	0	0	-0	0	181.4	14.6	0.1	0.0	196.0	6	
11	40	421	0	0	0	-0	0	120.7	9.5	0.1	0.0	130.2	6	
12	40	399	0	0	0	-0	0	114.4	9.3	0.1	0.0	123.8	6	
13	40	1989	0	0	0	-0	0	569.9	9.5	0.1	0.0	579.5	6	
14	40	698	0	0	0	-0	0	199.9	15.5	0.2	0.0	215.4	6	
15	40	487	0	0	0	-0	0	139.5	9.5	0.1	0.0	149.1	6	
16	40	450	0	0	0	-0	0	128.8	9.3	0.1	0.0	138.1	6	
17	40	2392	0	0	0	-0	0	685.4	9.5	0.1	0.0	694.9	6	
1A	81	274	-1	0	0	-0	0	78.4	1.5	0.8	0.0	79.9	6	
1E	81	288	-1	0	0	-0	0	82.7	1.5	0.8	0.0	84.2	6	
1I	81	278	-1	0	0	-0	0	79.5	1.5	0.8	0.0	81.1	6	
1M	81	284	-1	0	0	-0	0	81.5	1.5	0.8	0.0	83.1	6	
2	81	418	-1	0	0	-0	0	119.7	2.3	1.1	0.0	122.0	6	
3	81	285	-1	0	0	-0	0	81.6	1.6	0.7	0.0	83.2	6	
4	81	249	-1	0	0	-0	0	71.4	1.5	0.7	0.0	73.0	6	
5	81	2033	-1	0	0	-0	0	582.5	2.5	0.7	0.0	585.0	6	
6	81	419	-1	0	0	-0	0	119.9	2.2	1.1	0.0	122.1	6	
7	81	311	-1	0	0	-0	0	89.2	1.6	0.7	0.0	90.7	6	
8	81	250	-1	0	0	-0	0	71.6	1.5	0.7	0.0	73.1	6	
9	81	2515	-1	0	0	-0	0	720.6	2.9	0.7	0.0	723.5	6	
10	81	633	-1	0	0	-0	0	181.4	2.5	1.1	0.0	183.9	6	
11	81	421	-1	0	0	-0	0	120.7	1.7	0.7	0.0	122.4	6	
12	81	399	-1	0	0	-0	0	114.4	1.7	0.7	0.0	116.1	6	

13	81	1989	-1	0	0	-0	0	569.9	2.0	0.7	0.0	571.9	6
14	81	698	-1	0	0	-0	0	199.9	2.7	1.2	0.0	202.6	6
15	81	487	-1	0	0	-0	0	139.5	1.8	0.7	0.0	141.3	6
16	81	450	-1	0	0	-0	0	128.8	1.8	0.7	0.0	130.6	6
17	81	2392	-1	0	0	-0	0	685.4	2.1	0.7	0.0	687.5	6

ASTA NUM. 182 NI 138 NF 224 Lungh. 80.7 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-171	1	-0	0	-0	-0	49.0	4.3	1.0	0.0	53.3	6	
1E	0	-156	1	-0	0	-0	-0	44.7	4.3	1.0	0.0	49.0	6	
1I	0	-167	1	-0	0	-0	-0	47.8	4.3	1.0	0.0	52.1	6	
1M	0	-160	1	-0	0	-0	-0	45.9	4.3	1.0	0.0	50.1	6	
2	0	-208	2	-0	0	-0	-0	59.5	5.8	1.4	0.0	65.3	6	
3	0	-288	1	-0	0	-0	-0	82.4	3.7	0.9	0.0	86.1	6	
4	0	-209	1	-0	0	-0	-0	60.0	3.6	0.9	0.0	63.6	6	
5	0	-1653	1	-0	0	-0	-0	473.6	4.2	0.9	0.0	477.9	6	
6	0	-127	2	-0	0	-0	-0	36.4	6.5	1.5	0.0	42.9	6	
7	0	-312	1	-0	0	-0	-0	89.4	4.3	0.9	0.0	93.7	6	
8	0	-170	1	-0	0	-0	-0	48.7	4.1	0.9	0.0	52.8	6	
9	0	-1998	1	-0	0	-0	-0	572.5	4.9	0.9	0.0	577.4	6	
10	0	37	2	-0	0	-0	-0	10.6	5.5	1.4	0.0	16.2	6	
11	0	-133	1	-0	0	-0	-0	38.0	3.6	0.9	0.0	41.6	6	
12	0	-63	1	-0	0	-0	-0	18.1	3.5	0.9	0.0	21.6	6	
13	0	-1423	1	-0	0	-0	-0	407.7	3.9	0.9	0.0	411.7	6	
14	0	152	2	-0	0	-0	-0	43.5	6.2	1.5	0.0	49.7	6	
15	0	-136	1	-0	0	-0	-0	39.1	3.9	0.9	0.0	43.0	6	
16	0	-6	1	-0	0	-0	-0	1.9	3.9	0.9	0.0	5.7	6	
17	0	-1707	1	-0	0	-0	-0	489.1	4.3	0.9	0.0	493.4	6	
1A	40	-171	0	-0	0	0	0	49.0	9.9	0.1	0.0	58.9	6	
1E	40	-156	0	-0	0	0	0	44.7	9.9	0.1	0.0	54.6	6	
1I	40	-167	0	-0	0	-0	0	47.8	9.9	0.1	0.0	57.7	6	
1M	40	-160	0	-0	0	-0	0	45.9	9.9	0.1	0.0	55.8	6	
2	40	-208	0	-0	0	-0	0	59.5	14.0	0.2	0.0	73.6	6	
3	40	-288	0	-0	0	-0	0	82.4	8.6	0.1	0.0	91.0	6	
4	40	-209	0	-0	0	-0	0	60.0	8.7	0.1	0.0	68.7	6	
5	40	-1653	0	-0	0	-0	0	473.6	8.6	0.1	0.0	482.3	6	
6	40	-127	0	-0	0	-0	0	36.4	13.6	0.2	0.0	50.0	6	
7	40	-312	0	-0	0	-0	0	89.4	8.3	0.1	0.0	97.7	6	
8	40	-170	0	-0	0	-0	0	48.7	8.4	0.1	0.0	57.2	6	
9	40	-1998	0	-0	0	-0	0	572.5	8.3	0.1	0.0	580.8	6	
10	40	37	0	-0	0	-0	0	10.6	14.3	0.2	0.0	25.0	6	
11	40	-133	0	-0	0	-0	0	38.0	8.8	0.1	0.0	46.8	6	
12	40	-63	0	-0	0	-0	0	18.1	8.9	0.1	0.0	27.0	6	
13	40	-1423	0	-0	0	-0	0	407.7	9.1	0.1	0.0	416.9	6	
14	40	152	0	-0	0	-0	0	43.5	15.3	0.2	0.0	58.8	6	
15	40	-136	0	-0	0	-0	0	39.1	8.6	0.1	0.0	47.7	6	
16	40	-6	0	-0	0	-0	0	1.9	8.7	0.1	0.0	10.6	6	
17	40	-1707	0	-0	0	-0	0	489.1	9.1	0.1	0.0	498.2	6	
1A	81	-171	-1	-0	0	0	0	49.0	1.5	0.8	0.0	50.5	6	
1E	81	-156	-1	-0	0	0	0	44.7	1.5	0.8	0.0	46.2	6	
1I	81	-167	-1	-0	0	0	0	47.8	1.3	0.8	0.0	49.2	6	
1M	81	-160	-1	-0	0	0	0	45.9	1.3	0.8	0.0	47.2	6	
2	81	-208	-1	-0	0	0	0	59.5	2.0	1.1	0.0	61.5	6	
3	81	-288	-1	-0	0	0	0	82.4	1.1	0.7	0.0	83.4	6	
4	81	-209	-1	-0	0	0	0	60.0	1.2	0.7	0.0	61.2	6	
5	81	-1653	-1	-0	0	-0	0	473.6	1.0	0.7	0.0	474.7	1	
6	81	-127	-1	-0	0	0	0	36.4	2.0	1.1	0.0	38.4	6	
7	81	-312	-1	-0	0	0	0	89.4	0.9	0.7	0.0	90.4	6	
8	81	-170	-1	-0	0	0	0	48.7	1.2	0.7	0.0	49.9	6	
9	81	-1998	-1	-0	0	-0	0	572.5	1.0	0.7	0.0	573.5	1	
10	81	37	-1	-0	0	0	0	10.6	2.2	1.1	0.0	12.9	6	
11	81	-133	-1	-0	0	0	0	38.0	1.2	0.7	0.0	39.2	6	
12	81	-63	-1	-0	0	0	0	18.1	1.3	0.7	0.0	19.4	6	
13	81	-1423	-1	-0	0	-0	0	407.7	1.5	0.7	0.0	409.2	6	
14	81	152	-1	-0	0	0	0	43.5	2.5	1.2	0.0	46.0	6	
15	81	-136	-1	-0	0	0	0	39.1	1.1	0.7	0.0	40.2	6	
16	81	-6	-1	-0	0	0	0	1.9	1.3	0.7	0.0	3.2	6	
17	81	-1707	-1	-0	0	-0	0	489.1	1.6	0.7	0.0	490.7	6	

ASTA NUM. 183 NI 229 NF 213 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-6300	-0	-0	0	0	1	720.0	11.5	0.1	0.0	731.5	6	
1E	0	-6288	-0	-0	0	0	1	718.6	11.5	0.1	0.0	730.2	6	
1I	0	-6309	-0	-0	0	0	1	721.1	12.1	0.1	0.0	733.2	6	
1M	0	-6279	-0	-0	0	0	1	717.6	12.1	0.1	0.0	729.6	6	
2	0	-7790	-0	-1	0	0	1	890.3	17.3	0.3	0.0	907.6	6	
3	0	-4871	-0	-3	0	0	1	556.7	10.6	1.1	0.0	567.3	6	
4	0	-4870	-0	-2	0	0	1	556.6	10.7	0.5	0.0	567.3	6	
5	0	-510	-0	1	0	0	1	58.2	12.4	0.2	0.0	70.6	6	
6	0	-9590	-0	-1	0	1	1	1096.0	15.4	0.2	0.0	1111.4	6	
7	0	-5997	-0	-5	0	0	1	685.4	9.4	1.6	0.0	694.7	6	
8	0	-5995	-0	-2	0	0	1	685.1	9.5	0.5	0.0	694.7	6	
9	0	-406	-0	0	0	0	1	46.4	12.1	0.2	0.0	58.5	6	
10	0	-4562	-0	-1	0	0	2	521.4	20.3	0.3	0.0	541.7	6	
11	0	-2853	-0	-3	0	0	1	326.1	12.5	1.1	0.0	338.5	6	
12	0	-2852	-0	-2	0	0	1	325.9	12.6	0.6	0.0	338.5	6	
13	0	-164	-0	5	0	0	1	18.8	12.6	1.6	0.0	31.3	6	
14	0	-4541	-1	-1	0	0	2	519.0	21.2	0.4	0.0	540.1	6	
15	0	-2839	-0	-5	0	0	1	324.5	12.1	1.7	0.0	336.6	6	
16	0	-2838	-0	-3	0	0	1	324.3	12.3	0.8	0.0	336.6	6	
17	0	-59	-0	6	0	0	1	6.7	12.1	2.1	0.0	18.8	6	
1A	23	-6300	-2	-0	0	0	1	720.0	8.6	0.6	0.0	728.6	6	
1E	23	-6288	-2	-0	0	0	1	718.6	8.6	0.6	0.0	727.3	6	
1I	23	-6309	-2	-0	0	0	1	721.1	9.0	0.6	0.0	730.1	6	
1M	23	-6279	-2	-0	0	0	1	717.6	9.0	0.6	0.0	726.5	6	
2	23	-7790	-2	-1	0	1	1	890.3	14.7	0.8	0.0	905.0	6	
3	23	-4871	-1	-3	0	1	1	556.7	15.2	1.1	0.0	571.9	1	
4	23	-4870	-1	-2	0	1	1	556.6	10.3	0.5	0.0	566.9	1	
5	23	-510	-2	1	0	-0	1	58.2	9.1	0.6	0.0	67.3	6	
6	23	-9590	-2	-1	0	1	1	1096.0	12.4	0.8	0.0	1108.4	6	
7	23	-5997	-1	-5	0	1	0	685.4	19.3	1.6	0.0	704.7	1	
8	23	-5995	-2	-2	0	1	0	685.1	10.6	0.5	0.0	695.7	1	
9	23	-406	-2	0	0	0	1	46.4	8.8	0.6	0.0	55.2	6	
10	23	-4562	-3	-1	0	1	1	521.4	16.7	0.9	0.0	538.1	6	
11	23	-2853	-2	-3	0	1	1	326.1	14.9	1.1	0.0	341.0	1	
12	23	-2852	-2	-2	0	1	1	325.9	11.8	0.6	0.0	337.8	6	
13	23	-164	-2	5	0	-1	1	18.8	15.9	1.6	0.0	34.7	1	
14	23	-4541	-3	-1	0	1	1	519.0	17.2	1.0	0.0	536.1	6	
15	23	-2839	-2	-5	0	1	1	324.5	20.0	1.7	0.0	344.5	1	
16	23	-2838	-2	-3	0	1	1	324.3	12.8	0.8	0.0	337.1	1	
17	23	-59	-2	6	0	-1	1	6.7	19.7	2.1	0.0	26.4	1	
1A	46	-6300	-3	-0	0	0	-0	720.0	5.3	1.1	0.0	725.2	1	
1E	46	-6288	-3	-0	0	0	-0	718.6	5.3	1.1	0.0	723.9	1	
1I	46	-6309	-4	-0	0	0	-0	721.1	5.1	1.2	0.0	726.2	1	
1M	46	-6279	-4	-0	0	0	-0	717.6	5.1	1.2	0.0	722.7	1	
2	46	-7790	-5	-1	0	1	0	890.3	10.8	1.5	0.0	901.1	1	
3	46	-4871	-3	-3	0	2	0	556.7	22.5	1.1	0.0	579.2	1	
4	46	-4870	-3	-2	0	1	0	556.6	12.6	0.9	0.0	569.2	1	
5	46	-510	-3	1	0	-0	0	58.2	3.1	1.0	0.0	61.3	1	
6	46	-9590	-5	-1	0	1	-0	1096.0	10.1	1.5	0.0	1106.1	1	
7	46	-5997	-3	-5	0	3	-0	685.4	30.8	1.6	0.0	716.2	1	
8	46	-5995	-3	-2	0	1	-0	685.1	13.1	1.0	0.0	698.2	1	
9	46	-406	-3	0	0	0	0	46.4	2.0	1.1	0.0	48.4	1	
10	46	-4562	-5	-1	0	1	0	521.4	9.6	1.6	0.0	531.0	1	
11	46	-2853	-3	-3	0	2	0	326.1	21.8	1.1	0.0	347.9	1	
12	46	-2852	-3	-2	0	1	0	325.9	13.8	1.0	0.0	339.7	1	
13	46	-164	-3	5	0	-2	0	18.8	26.8	1.6	0.0	45.6	1	
14	46	-4541	-6	-1	0	1	0	519.0	12.3	1.8	0.0	531.3	1	
15	46	-2839	-3	-5	0	3	0	324.5	31.9	1.7	0.0	356.4	1	
16	46	-2838	-3	-3	0	1	0	324.3	17.3	1.0	0.0	341.6	1	
17	46	-59	-3	6	0	-3	0	6.7	34.6	2.1	0.0	41.3	1	

ASTA NUM. 184 NI 215 NF 229 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-6559	6	-0	0	0	-1	749.7	17.8	2.0	0.0	767.5	6	
1E	0	-6543	6	-0	0	0	-1	747.7	17.8	2.0	0.0	765.5	6	
1I	0	-6569	6	-0	0	0	-1	750.8	17.0	1.9	0.0	767.8	6	
1M	0	-6533	6	-0	0	0	-1	746.6	17.0	1.9	0.0	763.7	6	
2	0	-8152	9	-1	0	0	-2	931.7	23.3	2.9	0.0	955.0	6	
3	0	-5199	6	-0	0	0	-1	594.2	14.9	1.8	0.0	609.1	6	
4	0	-5134	6	-0	0	0	-1	586.7	14.8	1.8	0.0	601.5	6	
5	0	-2631	5	-0	0	0	-1	300.7	11.3	1.7	0.0	311.9	6	
6	0	-9907	9	-1	0	0	-2	1132.2	25.4	2.9	0.0	1157.6	6	
7	0	-6354	6	-0	0	0	-1	726.2	16.3	1.8	0.0	742.5	6	
8	0	-6237	6	-1	0	0	-1	712.8	16.1	1.8	0.0	728.9	6	

9	0	-3002	5	-0	0	0	-1	343.1	11.1	1.7	0.0	354.2	6
10	0	-4908	9	-1	0	0	-2	560.9	18.3	2.8	0.0	579.2	6
11	0	-3172	5	-0	0	0	-1	362.5	11.8	1.8	0.0	374.3	6
12	0	-3119	5	-0	0	0	-1	356.5	11.6	1.8	0.0	368.1	6
13	0	-2131	5	-0	0	-0	-1	243.5	10.6	1.7	0.0	254.1	6
14	0	-4859	9	-1	0	0	-2	555.3	19.0	3.0	0.0	574.3	6
15	0	-3196	5	-0	0	0	-1	365.3	11.6	1.7	0.0	376.9	6
16	0	-3100	5	-0	0	0	-1	354.3	11.4	1.7	0.0	365.6	6
17	0	-2422	5	-0	0	-0	-1	276.8	10.5	1.7	0.0	287.3	6
1A	23	-6559	5	-0	0	0	-0	749.7	3.5	1.5	0.0	753.2	1
1E	23	-6543	5	-0	0	0	-0	747.7	3.5	1.5	0.0	751.2	1
1I	23	-6569	4	-0	0	0	-0	750.8	3.4	1.4	0.0	754.1	1
1M	23	-6533	4	-0	0	0	-0	746.6	3.4	1.4	0.0	750.0	1
2	23	-8152	7	-1	0	0	-0	931.7	3.5	2.2	0.0	935.1	1
3	23	-5199	4	-0	0	0	-0	594.2	2.2	1.4	0.0	596.4	1
4	23	-5134	4	-0	0	0	-0	586.7	2.2	1.4	0.0	588.9	1
5	23	-2631	4	-0	0	0	0	300.7	2.0	1.3	0.0	302.7	6
6	23	-9907	7	-1	0	0	-0	1132.2	5.0	2.2	0.0	1137.3	1
7	23	-6354	4	-0	0	0	-0	726.2	3.3	1.4	0.0	729.5	6
8	23	-6237	4	-1	0	0	-0	712.8	3.2	1.4	0.0	716.0	6
9	23	-3002	4	-0	0	0	0	343.1	1.9	1.3	0.0	345.0	6
10	23	-4908	6	-1	0	0	0	560.9	3.6	2.1	0.0	564.5	6
11	23	-3172	4	-0	0	0	0	362.5	2.0	1.3	0.0	364.5	6
12	23	-3119	4	-0	0	0	0	356.5	2.1	1.3	0.0	358.6	6
13	23	-2131	4	-0	0	0	0	243.5	2.5	1.3	0.0	246.1	6
14	23	-4859	7	-1	0	0	0	555.3	3.9	2.2	0.0	559.3	6
15	23	-3196	4	-0	0	0	0	365.3	2.0	1.3	0.0	367.3	1
16	23	-3100	4	-0	0	0	0	354.3	2.1	1.3	0.0	356.4	6
17	23	-2422	4	-0	0	0	0	276.8	2.4	1.3	0.0	279.2	6
1A	46	-6559	3	-0	0	0	1	749.7	9.4	1.0	0.0	759.1	6
1E	46	-6543	3	-0	0	0	1	747.7	9.4	1.0	0.0	757.1	6
1I	46	-6569	3	-0	0	0	1	750.8	9.0	0.9	0.0	759.7	6
1M	46	-6533	3	-0	0	0	1	746.6	9.0	0.9	0.0	755.6	6
2	46	-8152	5	-1	0	0	1	931.7	16.1	1.5	0.0	947.7	6
3	46	-5199	3	-0	0	0	1	594.2	9.8	0.9	0.0	604.0	6
4	46	-5134	3	-0	0	0	1	586.7	9.9	0.9	0.0	596.7	6
5	46	-2631	3	-0	0	0	1	300.7	11.3	0.8	0.0	312.0	6
6	46	-9907	4	-1	0	1	1	1132.2	14.3	1.5	0.0	1146.5	6
7	46	-6354	3	-0	0	0	1	726.2	8.6	0.9	0.0	734.8	6
8	46	-6237	3	-1	0	0	1	712.8	8.8	0.9	0.0	721.6	6
9	46	-3002	2	-0	0	0	1	343.1	10.9	0.8	0.0	354.0	6
10	46	-4908	4	-1	0	0	1	560.9	18.9	1.4	0.0	579.8	6
11	46	-3172	3	-0	0	0	1	362.5	11.6	0.9	0.0	374.1	6
12	46	-3119	3	-0	0	0	1	356.5	11.7	0.9	0.0	368.2	6
13	46	-2131	3	-0	0	0	1	243.5	11.8	0.8	0.0	255.3	6
14	46	-4859	4	-1	0	0	2	555.3	19.7	1.4	0.0	575.1	6
15	46	-3196	3	-0	0	0	1	365.3	11.3	0.8	0.0	376.5	6
16	46	-3100	3	-0	0	0	1	354.3	11.4	0.8	0.0	365.7	6
17	46	-2422	2	-0	0	0	1	276.8	11.4	0.8	0.0	288.2	6

ASTA NUM. 185 NI 225 NF 215 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6560	-2	-0	0	-0	0	749.7	2.5	0.5	0.0	752.2	1	
1E	0	-6542	-2	-0	0	-0	0	747.7	2.5	0.5	0.0	750.2	1	
1I	0	-6570	-2	-1	0	-0	0	750.8	3.0	0.6	0.0	753.8	1	
1M	0	-6532	-2	-1	0	-0	0	746.5	3.0	0.6	0.0	749.5	1	
2	0	-8154	-2	-1	0	-0	0	931.9	4.4	0.7	0.0	936.3	1	
3	0	-5200	-1	-0	0	-0	0	594.3	2.9	0.5	0.0	597.2	6	
4	0	-5135	-1	-0	0	-0	0	586.9	2.9	0.5	0.0	589.8	6	
5	0	-2632	-1	-0	0	-0	0	300.8	5.1	0.4	0.0	305.9	6	
6	0	-9908	-2	-1	0	-0	-0	1132.3	4.1	0.6	0.0	1136.5	1	
7	0	-6354	-1	-1	0	-0	0	726.2	2.6	0.4	0.0	728.8	1	
8	0	-6237	-1	-1	0	-0	0	712.8	2.6	0.4	0.0	715.4	1	
9	0	-3003	-1	-0	0	-0	0	343.2	4.6	0.4	0.0	347.8	6	
10	0	-4910	-2	-1	0	-0	1	561.1	7.9	0.7	0.0	569.0	6	
11	0	-3173	-1	-0	0	-0	0	362.6	5.2	0.5	0.0	367.9	6	
12	0	-3120	-1	-0	0	-0	0	356.6	5.2	0.5	0.0	361.8	6	
13	0	-2132	-1	-0	0	-0	0	243.7	5.5	0.4	0.0	249.1	6	
14	0	-4859	-2	-1	0	-0	1	555.3	8.8	0.7	0.0	564.1	6	
15	0	-3197	-1	-0	0	-0	0	365.4	5.3	0.5	0.0	370.6	6	
16	0	-3101	-1	-0	0	-0	0	354.4	5.2	0.4	0.0	359.6	6	
17	0	-2422	-1	-0	0	-0	0	276.8	5.3	0.4	0.0	282.1	6	
1A	23	-6560	-3	-0	0	-0	-0	749.7	5.9	1.1	0.0	755.6	6	
1E	23	-6542	-3	-0	0	-0	-0	747.7	5.9	1.1	0.0	753.6	6	
1I	23	-6570	-3	-1	0	-0	-0	750.8	5.9	1.1	0.0	756.8	6	
1M	23	-6532	-3	-1	0	-0	-0	746.5	5.9	1.1	0.0	752.5	6	
2	23	-8154	-4	-1	0	-0	-1	931.9	6.7	1.4	0.0	938.6	6	
3	23	-5200	-3	-0	0	-0	-0	594.3	4.2	0.9	0.0	598.5	6	
4	23	-5135	-3	-0	0	-0	-0	586.9	4.1	0.9	0.0	591.0	6	
5	23	-2632	-3	-0	0	-0	-0	300.8	1.6	0.9	0.0	302.4	6	
6	23	-9908	-4	-1	0	-0	-1	1132.3	9.2	1.4	0.0	1141.5	6	
7	23	-6354	-3	-1	0	-0	-0	726.2	5.7	0.9	0.0	731.9	6	
8	23	-6237	-3	-1	0	-0	-0	712.8	5.6	0.9	0.0	718.4	6	
9	23	-3003	-3	-0	0	-0	-0	343.2	1.9	0.9	0.0	345.1	6	
10	23	-4910	-4	-1	0	-0	-0	561.1	2.6	1.4	0.0	563.7	6	
11	23	-3173	-3	-0	0	-0	-0	362.6	1.6	0.9	0.0	364.2	6	
12	23	-3120	-3	-0	0	-0	-0	356.6	1.5	0.9	0.0	358.1	6	
13	23	-2132	-3	-0	0	-0	-0	243.7	1.2	0.9	0.0	244.8	1	
14	23	-4859	-5	-1	0	-0	-0	555.3	2.3	1.5	0.0	557.6	6	
15	23	-3197	-3	-0	0	-0	-0	365.4	1.6	0.9	0.0	366.9	6	
16	23	-3101	-3	-0	0	-0	-0	354.4	1.5	0.9	0.0	355.9	6	
17	23	-2422	-3	-0	0	-0	-0	276.8	1.4	0.9	0.0	278.2	1	
1A	47	-6560	-5	-0	0	-0	-1	749.7	16.9	1.6	0.0	766.6	6	
1E	47	-6542	-5	-0	0	-0	-1	747.7	16.9	1.6	0.0	764.6	6	
1I	47	-6570	-5	-1	0	0	-1	750.8	17.4	1.6	0.0	768.3	6	
1M	47	-6532	-5	-1	0	0	-1	746.5	17.4	1.6	0.0	764.0	6	
2	47	-8154	-7	-1	0	0	-2	931.9	22.1	2.2	0.0	954.0	6	
3	47	-5200	-4	-0	0	0	-1	594.3	14.1	1.4	0.0	608.4	6	
4	47	-5135	-4	-0	0	0	-1	586.9	14.0	1.4	0.0	600.9	6	
5	47	-2632	-4	-0	0	0	-1	300.8	10.9	1.4	0.0	311.7	6	
6	47	-9908	-6	-1	0	0	-2	1132.3	23.8	2.1	0.0	1156.2	6	
7	47	-6354	-4	-1	0	0	-1	726.2	15.4	1.4	0.0	741.5	6	
8	47	-6237	-4	-1	0	0	-1	712.8	15.1	1.3	0.0	727.9	6	
9	47	-3003	-4	-0	0	0	-1	343.2	10.8	1.3	0.0	354.0	6	
10	47	-4910	-7	-1	0	0	-1	561.1	17.6	2.1	0.0	578.8	6	
11	47	-3173	-4	-0	0	0	-1	362.6	11.4	1.4	0.0	374.0	6	
12	47	-3120	-4	-0	0	0	-1	356.6	11.2	1.4	0.0	367.8	6	
13	47	-2132	-4	-0	0	-0	-1	243.7	10.3	1.3	0.0	253.9	6	
14	47	-4859	-7	-1	0	0	-2	555.3	18.3	2.3	0.0	573.7	6	
15	47	-3197	-4	-0	0	0	-1	365.4	11.2	1.4	0.0	376.6	6	
16	47	-3101	-4	-0	0	0	-1	354.4	11.0	1.3	0.0	365.4	6	
17	47	-2422	-4	-0	0	-0	-1	276.8	10.3	1.3	0.0	287.1	6	

ASTA NUM. 186 NI 126 NF 225 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6854	7	1	0	0	-2	783.3	27.5	2.1	0.0	810.8	6	
1E	0	-6822	7	1	0	0	-2	779.7	27.5	2.1	0.0	807.2	6	
1I	0	-6860	6	1	0	0	-2	784.0	27.0	2.1	0.0	811.1	6	
1M	0	-6816	6	1	0	0	-2	778.9	27.0	2.1	0.0	806.0	6	
2	0	-8570	9	0	0	-0	-3	979.4	37.2	3.0	0.0	1016.6	6	
3	0	-5526	6	0	0	-0	-2	631.5	22.4	1.9	0.0	654.0	6	
4	0	-5408	6	0	0	-0	-2	618.1	22.5	1.9	0.0	640.5	6	
5	0	-4848	6	-0	0	-0	-2	554.1	21.8	1.9	0.0	575.9	6	
6	0	-10300	10	1	0	0	-3	1177.1	42.2	3.1	0.0	1219.3	6	
7	0	-6709	6	1	0	0	-2	766.7	25.3	1.9	0.0	792.1	6	
8	0	-6499	6	1	0	0	-2	742.7	25.5	1.9	0.0	768.3	6	
9	0	-5730	6	-0	0	-0	-2	654.9	22.7	2.0	0.0	677.6	6	
10	0	-5440	9	0	0	-0	-3	621.7	33.6	3.1	0.0	655.3	6	
11	0	-3570	6	0	0	-0	-2	408.0	20.1	1.9	0.0	428.1	6	
12	0	-3479	6	0	0	-0	-2	397.6	20.2	1.9	0.0	417.8	6	
13	0	-4243	6	-0	0	-0	-2	484.9	21.5	1.9	0.0	506.4	6	
14	0	-5411	10	1	0	0	-3	618.4	36.7	3.3	0.0	655.1	6	
15	0	-3651	6	1	0	0	-2	417.3	21.0	1.9	0.0	438.2	6	
16	0	-3486	6	1	0	0	-2	398.4	21.3	1.9	0.0	419.7	6	
17	0	-4960	6	-0	0	-0	-2	566.9	21.5	1.9	0.0	588.3	6	
1A	23	-6854	5	1	0	-0	-1	783.3	11.2	1.6	0.0	794.5	6	
1E	23	-6822	5	1	0	-0	-1	779.7	11.2	1.6	0.0	790.9	6	
1I	23	-6860	5	1	0	-0	-1	784.0	11.0	1.6	0.0	795.0	6	
1M	23	-6816	5	1	0	-0	-1	778.9	11.0	1.6	0.0	790.0	6	
2	23	-8570	7	0	0	-0	-1	979.4	14.9	2.3	0.0	994.4	6	
3	23	-5526	4	0	0	-0	-1	631.5	8.8	1.4	0.0	640.3	6	
4	23	-5408	4	0	0	-0	-1	618.1	8.8	1.4	0.0	626.8	6	
5	23	-4848	4	-0	0	-0	-1	554.1	7.3	1.5	0.0	561.3	6	
6	23	-10300	7	1	0	-0	-2	1177.1	18.2	2.4	0.0	1195.4	6	
7	23	-6709	4	1	0	-0	-1	766.7	10.6	1.5	0.0	777.4	6	
8	23	-6499	5	1	0	-0	-1	742.7	10.8	1.5	0.0	753.6	6	
9	23	-5730	5	-0	0	-0	-1	654.9	8.1	1.5	0.0	663.0	6	
10	23	-5440	7	0	0	-0	-1	621.7	11.1	2.4	0.0	632.9	6	
11	23	-3570	4	0	0	-0	-1	408.0	6.4	1.4	0.0	414.4	6	
12	23	-3479	4	0	0	-0	-1	397.6	6.4	1.4	0.0	404.0	6	
13	23	-4243	5	-0	0	-0	-1	484.9	6.8	1.5	0.0	491.7	6	
14	23	-5411	8	1	0	-0	-1	618.4	11.1	2.5	0.0	629.5	6	
15	23	-3651	4	1	0	0	-1	417.3	6.2	1.4	0.0	423.5	6	

16	23	-3486	4	1	0	-0	-1	398.4	6.4	1.5	0.0	404.8	6
17	23	-4960	5	-0	0	-0	-1	566.9	6.9	1.5	0.0	573.8	6
1A	46	-6854	3	1	0	-0	0	783.3	3.0	1.1	0.0	786.3	1
1E	46	-6822	3	1	0	-0	0	779.7	3.0	1.1	0.0	782.6	1
1I	46	-6860	3	1	0	-0	0	784.0	2.5	1.1	0.0	786.5	1
1M	46	-6816	3	1	0	-0	0	778.9	2.5	1.1	0.0	781.5	1
2	46	-8570	5	0	0	-0	0	979.4	3.8	1.6	0.0	983.3	1
3	46	-5526	3	0	0	-0	0	631.5	2.4	1.0	0.0	634.0	1
4	46	-5408	3	0	0	-0	0	618.1	2.5	1.0	0.0	620.5	1
5	46	-4848	3	-0	0	-0	0	554.1	4.3	1.0	0.0	558.4	6
6	46	-10300	5	1	0	-0	-0	1177.1	3.9	1.7	0.0	1181.1	1
7	46	-6709	3	1	0	-0	-0	766.7	2.3	1.0	0.0	769.0	1
8	46	-6499	3	1	0	-0	-0	742.7	2.3	1.0	0.0	745.0	1
9	46	-5730	3	-0	0	-0	0	654.9	3.7	1.0	0.0	658.5	6
10	46	-5440	5	0	0	-0	1	621.7	7.2	1.6	0.0	628.9	6
11	46	-3570	3	0	0	-0	0	408.0	4.8	1.0	0.0	412.8	6
12	46	-3479	3	0	0	-0	0	397.6	4.8	1.0	0.0	402.4	6
13	46	-4243	3	-0	0	-0	0	484.9	4.9	1.0	0.0	489.8	6
14	46	-5411	5	1	0	-0	1	618.4	8.1	1.8	0.0	626.5	6
15	46	-3651	3	1	0	-0	0	417.3	4.8	1.0	0.0	422.0	6
16	46	-3486	3	1	0	-0	0	398.4	4.7	1.0	0.0	403.1	6
17	46	-4960	3	-0	0	-0	0	566.9	4.7	1.0	0.0	571.6	6

ASTA NUM. 187 NI 228 NF 212 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6300	-0	1	0	-0	1	720.0	11.4	0.3	0.0	731.4	6	
1E	0	-6288	-0	1	0	-0	1	718.6	11.4	0.3	0.0	730.0	6	
1I	0	-6309	-0	1	0	-0	1	721.1	12.2	0.3	0.0	733.3	6	
1M	0	-6279	-0	1	0	-0	1	717.6	12.2	0.3	0.0	729.7	6	
2	0	-7790	-0	1	0	-0	1	890.3	17.7	0.2	0.0	908.0	6	
3	0	-4867	-0	-2	0	-0	1	556.2	11.0	0.8	0.0	567.2	6	
4	0	-4868	-0	-1	0	-0	1	556.3	11.0	0.2	0.0	567.3	6	
5	0	-5107	-0	2	0	-0	1	583.7	11.1	0.6	0.0	594.8	6	
6	0	-9590	-0	0	0	-1	1	1096.0	15.7	0.2	0.0	1111.7	6	
7	0	-5991	-0	-4	0	-0	1	684.7	9.7	1.3	0.0	694.4	6	
8	0	-5993	-0	-1	0	-0	1	684.9	9.8	0.3	0.0	694.7	6	
9	0	-6182	-0	1	0	-0	1	706.5	10.0	0.3	0.0	716.5	6	
10	0	-4563	-1	1	0	-0	2	521.5	20.6	0.4	0.0	542.1	6	
11	0	-2850	-0	-2	0	-0	1	325.7	12.8	0.6	0.0	338.5	6	
12	0	-2851	-0	-1	0	-0	1	325.8	12.8	0.2	0.0	338.6	6	
13	0	-2922	-0	6	0	-0	1	333.9	13.3	2.0	0.0	347.2	6	
14	0	-4542	-1	1	0	-0	2	519.1	21.5	0.4	0.0	540.6	6	
15	0	-2833	-0	-4	0	-0	1	323.8	12.5	1.2	0.0	336.2	6	
16	0	-2835	-0	-1	0	-0	1	324.0	12.5	0.4	0.0	336.5	6	
17	0	-2858	-1	8	0	-0	1	326.6	13.2	2.5	0.0	339.8	6	
1A	23	-6300	-2	1	0	-1	1	720.0	9.2	0.6	0.0	729.2	6	
1E	23	-6288	-2	1	0	-1	1	718.6	9.2	0.6	0.0	727.8	6	
1I	23	-6309	-2	1	0	-1	1	721.1	9.7	0.7	0.0	730.7	6	
1M	23	-6279	-2	1	0	-1	1	717.6	9.7	0.7	0.0	727.2	6	
2	23	-7790	-2	1	0	-1	1	890.3	14.6	0.8	0.0	904.8	6	
3	23	-4867	-2	-2	0	0	1	556.2	8.8	0.8	0.0	565.0	6	
4	23	-4868	-2	-1	0	-0	1	556.3	8.0	0.5	0.0	564.3	6	
5	23	-5107	-2	2	0	-1	1	583.7	10.4	0.6	0.0	594.0	6	
6	23	-9590	-2	0	0	-1	1	1096.0	12.4	0.8	0.0	1108.4	6	
7	23	-5991	-2	-4	0	1	0	684.7	9.3	1.3	0.0	694.0	1	
8	23	-5993	-2	-1	0	-0	0	684.9	6.5	0.5	0.0	691.4	6	
9	23	-6182	-2	1	0	-0	1	706.5	8.3	0.5	0.0	714.8	6	
10	23	-4563	-3	1	0	-1	1	521.5	17.5	0.9	0.0	538.9	6	
11	23	-2850	-2	-2	0	0	1	325.7	10.1	0.6	0.0	335.8	6	
12	23	-2851	-2	-1	0	-0	1	325.8	9.4	0.6	0.0	335.3	6	
13	23	-2922	-2	6	0	-2	1	333.9	22.7	2.0	0.0	356.6	1	
14	23	-4542	-3	1	0	-1	1	519.1	17.2	1.0	0.0	536.3	6	
15	23	-2833	-2	-4	0	1	1	323.8	11.0	1.2	0.0	334.8	6	
16	23	-2835	-2	-1	0	0	1	324.0	8.4	0.6	0.0	332.4	6	
17	23	-2858	-2	8	0	-2	1	326.6	27.0	2.5	0.0	353.6	1	
1A	46	-6300	-4	1	0	-1	-0	720.0	8.6	1.1	0.0	728.5	1	
1E	46	-6288	-4	1	0	-1	-0	718.6	8.6	1.1	0.0	727.2	1	
1I	46	-6309	-4	1	0	-1	-0	721.1	8.6	1.2	0.0	729.6	1	
1M	46	-6279	-4	1	0	-1	-0	717.6	8.6	1.2	0.0	726.1	1	
2	46	-7790	-5	1	0	-1	0	890.3	9.0	1.5	0.0	899.3	1	
3	46	-4867	-3	-2	0	1	0	556.2	10.9	0.9	0.0	567.1	1	
4	46	-4868	-3	-1	0	0	0	556.3	1.6	1.0	0.0	558.0	6	
5	46	-5107	-3	2	0	-1	0	583.7	12.5	1.0	0.0	596.2	1	
6	46	-9590	-5	0	0	-1	-0	1096.0	9.5	1.5	0.0	1105.5	1	
7	46	-5991	-3	-4	0	2	-0	684.7	18.4	1.3	0.0	703.1	1	
8	46	-5993	-3	-1	0	0	-0	684.9	1.1	1.0	0.0	686.0	1	
9	46	-6182	-3	1	0	-1	-0	706.5	8.6	1.0	0.0	715.1	1	
10	46	-4563	-5	1	0	-1	0	521.5	12.8	1.6	0.0	534.3	1	
11	46	-2850	-3	-2	0	1	0	325.7	9.2	1.0	0.0	334.9	1	
12	46	-2851	-3	-1	0	0	0	325.8	2.6	1.0	0.0	328.4	6	
13	46	-2922	-3	6	0	-3	0	333.9	37.1	2.0	0.0	371.0	1	
14	46	-4542	-6	1	0	-1	0	519.1	11.8	1.8	0.0	530.9	1	
15	46	-2833	-3	-4	0	1	0	323.8	18.0	1.2	0.0	341.8	1	
16	46	-2835	-3	-1	0	0	0	324.0	3.8	1.1	0.0	327.8	1	
17	46	-2858	-3	8	0	-4	0	326.6	45.5	2.5	0.0	372.1	1	

ASTA NUM. 188 NI 214 NF 228 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6049	6	1	0	0	-1	691.3	16.8	2.0	0.0	708.1	6	
1E	0	-6031	6	1	0	0	-1	689.3	16.8	2.0	0.0	706.2	6	
1I	0	-6058	6	1	0	-0	-1	692.4	16.5	1.9	0.0	708.9	6	
1M	0	-6022	6	1	0	-0	-1	688.2	16.5	1.9	0.0	704.7	6	
2	0	-7434	9	1	0	-0	-2	849.6	22.9	2.9	0.0	872.5	6	
3	0	-4542	6	0	0	-0	-1	519.1	14.4	1.8	0.0	533.5	6	
4	0	-4607	6	0	0	-0	-1	526.5	14.4	1.8	0.0	540.9	6	
5	0	-2988	6	0	0	-0	-1	341.5	13.4	1.8	0.0	354.9	6	
6	0	-9280	9	1	0	-0	-2	1060.6	25.0	2.9	0.0	1085.6	6	
7	0	-5638	6	1	0	-0	-1	644.3	15.7	1.8	0.0	660.1	6	
8	0	-5755	6	1	0	-0	-1	657.7	15.7	1.8	0.0	673.4	6	
9	0	-3588	5	0	0	-0	-1	410.1	14.3	1.8	0.0	424.4	6	
10	0	-4223	9	1	0	-0	-1	482.6	17.9	2.8	0.0	500.5	6	
11	0	-2535	5	0	0	-0	-1	289.7	11.3	1.8	0.0	301.0	6	
12	0	-2588	5	0	0	-0	-1	295.8	11.3	1.8	0.0	307.0	6	
13	0	-958	5	0	0	-0	-1	109.5	10.2	1.7	0.0	119.7	6	
14	0	-4232	9	1	0	-0	-2	483.7	18.6	2.9	0.0	502.2	6	
15	0	-2481	5	0	0	-0	-1	283.5	11.0	1.7	0.0	294.6	6	
16	0	-2577	5	0	0	-0	-1	294.5	11.0	1.7	0.0	305.5	6	
17	0	-498	5	0	0	-0	-1	56.9	9.6	1.7	0.0	66.6	6	
1A	23	-6049	5	1	0	-0	-0	691.3	3.0	1.5	0.0	694.3	1	
1E	23	-6031	5	1	0	-0	-0	689.3	3.0	1.5	0.0	692.3	1	
1I	23	-6058	4	1	0	-0	-0	692.4	3.2	1.4	0.0	695.6	1	
1M	23	-6022	4	1	0	-0	-0	688.2	3.2	1.4	0.0	691.4	1	
2	23	-7434	7	1	0	-0	-0	849.6	3.5	2.2	0.0	853.1	1	
3	23	-4542	4	0	0	-0	-0	519.1	2.2	1.4	0.0	521.3	1	
4	23	-4607	4	0	0	-0	-0	526.5	2.2	1.4	0.0	528.7	1	
5	23	-2988	4	0	0	-0	0	341.5	1.3	1.4	0.0	342.8	1	
6	23	-9280	7	1	0	-0	-0	1060.6	5.0	2.2	0.0	1065.6	1	
7	23	-5638	4	1	0	-0	-0	644.3	3.2	1.4	0.0	647.5	1	
8	23	-5755	4	1	0	-0	-0	657.7	3.2	1.4	0.0	660.9	1	
9	23	-3588	4	0	0	-0	-0	410.1	2.0	1.3	0.0	412.0	1	
10	23	-4223	6	1	0	-0	0	482.6	4.0	2.1	0.0	486.6	6	
11	23	-2535	4	0	0	-0	0	289.7	2.4	1.3	0.0	292.1	6	
12	23	-2588	4	0	0	-0	0	295.8	2.5	1.3	0.0	298.2	6	
13	23	-958	4	0	0	-0	0	109.5	3.1	1.3	0.0	112.5	6	
14	23	-4232	7	1	0	-0	0	483.7	4.3	2.2	0.0	488.0	6	
15	23	-2481	4	0	0	-0	0	283.5	2.4	1.3	0.0	286.0	6	
16	23	-2577	4	0	0	-0	0	294.5	2.5	1.3	0.0	297.0	6	
17	23	-498	4	0	0	-0	0	56.9	3.3	1.2	0.0	60.2	6	
1A	46	-6049	3	1	0	-0	1	691.3	10.0	1.0	0.0	701.3	6	
1E	46	-6031	3	1	0	-0	1	689.3	10.0	1.0	0.0	699.3	6	
1I	46	-6058	3	1	0	-0	1	692.4	9.3	0.9	0.0	701.6	6	
1M	46	-6022	3	1	0	-0	1	688.2	9.3	0.9	0.0	697.5	6	
2	46	-7434	4	1	0	-0	1	849.6	16.3	1.5	0.0	865.9	6	
3	46	-4542	3	0	0	-0	1	519.1	10.2	0.9	0.0	529.3	6	
4	46	-4607	3	0	0	-0	1	526.5	10.2	0.9	0.0	536.7	6	
5	46	-2988	3	0	0	-0	1	341.5	10.4	0.9	0.0	351.8	6	
6	46	-9280	4	1	0	-1	1	1060.6	14.5	1.4	0.0	1075.1	6	
7	46	-5638	3	1	0	-0	1	644.3	9.0	0.9	0.0	653.3	6	
8	46	-5755	3	1	0	-0	1	657.7	9.0	0.9	0.0	666.7	6	
9	46	-3588	3	0	0	-0	1	410.1	9.4	0.9	0.0	419.4	6	
10	46	-4223	4	1	0	-0	1	482.6	19.2	1.4	0.0	501.8	6	
11	46	-2535	3	0	0	-0	1	289.7	11.9	0.9	0.0	301.7	6	
12	46	-2588	3	0	0	-0	1	295.8	12.0	0.9	0.0	307.7	6	
13	46	-958	3	0	0	-0	1	109.5	12.1	0.8	0.0	121.6	6	
14	46	-4232	4	1	0	-0	2	483.7	20.0	1.4	0.0	503.6	6	
15	46	-2481	3	0	0	-0	1	283.5	11.7	0.8	0.0	295.2	6	
16	46	-2577	3	0	0	-0	1	294.5	11.7	0.8	0.0	306.2	6	
17	46	-498	2	0	0	-0	1	56.9	12.0	0.8	0.0	68.9	6	

ASTA NUM. 189 NI 224 NF 214 Lungh. 46.5 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6050	-2	1	0	0	0	691.4	3.6	0.5	0.0	695.0	1	
1E	0	-6032	-2	1	0	0	0	689.4	3.6	0.5	0.0	693.0	1	
1I	0	-6060	-2	1	0	0	0	692.5	3.3	0.6	0.0	695.8	1	
1M	0	-6022	-2	1	0	0	0	688.3	3.3	0.6	0.0	691.5	1	
2	0	-7435	-2	1	0	0	0	849.7	4.4	0.7	0.0	854.1	6	
3	0	-4543	-1	0	0	0	0	519.2	3.2	0.5	0.0	522.4	6	
4	0	-4608	-1	0	0	0	0	526.6	3.1	0.5	0.0	529.7	6	
5	0	-2989	-1	0	0	0	0	341.6	3.2	0.4	0.0	344.8	6	
6	0	-9280	-2	1	0	0	0	1060.6	3.8	0.6	0.0	1064.4	1	
7	0	-5638	-1	0	0	0	0	644.3	2.3	0.5	0.0	646.6	1	
8	0	-5755	-1	1	0	0	0	657.7	2.4	0.4	0.0	660.1	1	
9	0	-3589	-1	0	0	0	0	410.2	2.0	0.4	0.0	412.2	1	
10	0	-4225	-2	1	0	0	1	482.9	8.0	0.7	0.0	490.8	6	
11	0	-2536	-1	0	0	0	0	289.8	5.5	0.5	0.0	295.4	6	
12	0	-2589	-1	0	0	0	0	295.9	5.3	0.4	0.0	301.2	6	
13	0	-959	-1	0	0	0	0	109.6	5.5	0.4	0.0	115.1	6	
14	0	-4232	-2	1	0	0	1	483.7	8.9	0.7	0.0	492.6	6	
15	0	-2481	-1	0	0	0	0	283.5	5.7	0.5	0.0	289.2	6	
16	0	-2577	-1	0	0	0	0	294.5	5.3	0.4	0.0	299.8	6	
17	0	-499	-1	0	0	0	0	57.0	5.6	0.4	0.0	62.5	6	
1A	23	-6050	-3	1	0	0	-0	691.4	5.4	1.1	0.0	696.8	6	
1E	23	-6032	-3	1	0	0	-0	689.4	5.4	1.1	0.0	694.8	6	
1I	23	-6060	-3	1	0	0	-0	692.5	5.6	1.1	0.0	698.1	6	
1M	23	-6022	-3	1	0	0	-0	688.3	5.6	1.1	0.0	693.8	6	
2	23	-7435	-4	1	0	0	-0	849.7	6.2	1.4	0.0	855.9	6	
3	23	-4543	-3	0	0	0	-0	519.2	3.6	0.9	0.0	522.8	6	
4	23	-4608	-3	0	0	0	-0	526.6	3.7	0.9	0.0	530.3	6	
5	23	-2989	-3	0	0	0	-0	341.6	3.0	0.9	0.0	344.6	6	
6	23	-9280	-4	1	0	0	-1	1060.6	8.7	1.3	0.0	1069.3	6	
7	23	-5638	-3	0	0	0	-0	644.3	5.0	0.9	0.0	649.4	6	
8	23	-5755	-3	1	0	0	-0	657.7	5.3	0.9	0.0	663.0	6	
9	23	-3589	-2	0	0	0	-0	410.2	4.3	0.8	0.0	414.5	6	
10	23	-4225	-4	1	0	0	-0	482.9	2.1	1.4	0.0	485.0	6	
11	23	-2536	-3	0	0	0	-0	289.8	1.0	0.9	0.0	290.9	6	
12	23	-2589	-3	0	0	0	-0	295.9	1.2	0.9	0.0	297.0	6	
13	23	-959	-3	0	0	0	-0	109.6	0.4	0.9	0.0	110.0	1	
14	23	-4232	-5	1	0	0	-0	483.7	1.9	1.5	0.0	485.6	6	
15	23	-2481	-3	0	0	0	-0	283.5	0.9	0.9	0.0	284.4	6	
16	23	-2577	-3	0	0	0	-0	294.5	1.1	0.9	0.0	295.6	6	
17	23	-499	-2	0	0	0	0	57.0	0.3	0.8	0.0	57.3	1	
1A	47	-6050	-5	1	0	-0	-1	691.4	17.1	1.6	0.0	708.5	6	
1E	47	-6032	-5	1	0	-0	-1	689.4	17.1	1.6	0.0	706.6	6	
1I	47	-6060	-5	1	0	-0	-1	692.5	17.3	1.6	0.0	709.9	6	
1M	47	-6022	-5	1	0	-0	-1	688.3	17.3	1.6	0.0	705.6	6	
2	47	-7435	-7	1	0	-0	-2	849.7	21.6	2.2	0.0	871.3	6	
3	47	-4543	-4	0	0	-0	-1	519.2	13.6	1.4	0.0	532.8	6	
4	47	-4608	-4	0	0	-0	-1	526.6	13.6	1.4	0.0	540.3	6	
5	47	-2989	-4	0	0	-0	-1	341.6	12.5	1.3	0.0	354.1	6	
6	47	-9280	-6	1	0	-0	-2	1060.6	23.4	2.1	0.0	1084.0	6	
7	47	-5638	-4	0	0	-0	-1	644.3	14.8	1.4	0.0	659.1	6	
8	47	-5755	-4	1	0	-0	-1	657.7	14.7	1.3	0.0	672.5	6	
9	47	-3589	-4	0	0	-0	-1	410.2	13.1	1.3	0.0	423.3	6	
10	47	-4225	-7	1	0	-0	-1	482.9	17.2	2.1	0.0	500.0	6	
11	47	-2536	-4	0	0	-0	-1	289.8	10.9	1.4	0.0	300.7	6	
12	47	-2589	-4	0	0	-0	-1	295.9	10.8	1.4	0.0	306.7	6	
13	47	-959	-4	0	0	-0	-1	109.6	9.6	1.3	0.0	119.2	6	
14	47	-4232	-7	1	0	-0	-1	483.7	17.9	2.3	0.0	501.6	6	
15	47	-2481	-4	0	0	-0	-1	283.5	10.7	1.4	0.0	294.2	6	
16	47	-2577	-4	0	0	-0	-1	294.5	10.6	1.3	0.0	305.1	6	
17	47	-499	-4	0	0	-0	-1	57.0	9.1	1.3	0.0	66.0	6	

ASTA NUM. 190 NI 128 NF 224 Lungh. 46.0 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5835	7	-1	0	-0	-2	666.9	27.7	2.2	0.0	694.5	6	
1E	0	-5803	7	-1	0	-0	-2	663.2	27.7	2.2	0.0	690.9	6	
1I	0	-5841	6	-1	0	-0	-2	667.6	27.1	2.1	0.0	694.6	6	
1M	0	-5797	6	-1	0	-0	-2	662.5	27.1	2.1	0.0	689.6	6	
2	0	-7136	9	-0	0	0	-3	815.5	36.9	3.1	0.0	852.4	6	
3	0	-4214	6	-0	0	0	-2	481.6	22.0	1.9	0.0	503.6	6	
4	0	-4357	6	-0	0	0	-2	497.9	22.3	1.9	0.0	520.2	6	
5	0	-989	6	-1	0	-0	-2	113.0	23.4	1.9	0.0	136.5	6	
6	0	-9050	10	-1	0	-0	-3	1034.3	42.3	3.1	0.0	1076.6	6	
7	0	-5281	6	-0	0	-0	-2	603.5	23.8	1.9	0.0	627.3	6	
8	0	-5537	6	-1	0	-0	-2	632.8	25.1	1.9	0.0	657.9	6	
9	0	-1155	6	-1	0	-0	-2	132.0	27.3	2.0	0.0	159.3	6	
10	0	-4073	9	-1	0	-0	-3	465.5	33.6	3.1	0.0	499.1	6	
11	0	-2301	6	-0	0	0	-2	263.0	19.7	1.9	0.0	282.7	6	
12	0	-2419	6	-0	0	0	-2	276.5	20.1	1.9	0.0	296.6	6	
13	0	832	6	-1	0	-0	-2	95.1	21.7	2.0	0.0	116.7	6	
14	0	-4160	10	-1	0	-0	-3	475.4	36.8	3.3	0.0	512.2	6	
15	0	-2224	6	-0	0	-0	-2	254.2	19.4	1.9	0.0	273.6	6	
16	0	-2441	6	-1	0	-0	-2	279.0	20.9	1.9	0.0	299.9	6	
17	0	1651	6	-1	0	-0	-2	188.7	23.2	2.0	0.0	211.9	6	
1A	23	-5835	5	-1	0	-0	-1	666.9	11.0	1.6	0.0	677.9	6	
1E	23	-5803	5	-1	0	-0	-1	663.2	11.0	1.6	0.0	674.2	6	
1I	23	-5841	5	-1	0	0	-1	667.6	10.8	1.6	0.0	678.4	6	
1M	23	-5797	5	-1	0	0	-1	662.5	10.8	1.6	0.0	673.3	6	
2	23	-7136	7	-0	0	0	-1	815.5	14.6	2.3	0.0	830.1	6	
3	23	-4214	4	-0	0	0	-1	481.6	8.2	1.4	0.0	489.8	6	
4	23	-4357	4	-0	0	0	-1	497.9	8.5	1.4	0.0	506.4	6	
5	23	-989	5	-1	0	-0	-1	113.0	8.2	1.5	0.0	121.3	6	
6	23	-9050	7	-1	0	0	-1	1034.3	17.9	2.4	0.0	1052.2	6	
7	23	-5281	4	-0	0	0	-1	603.5	9.9	1.4	0.0	613.4	6	
8	23	-5537	5	-1	0	0	-1	632.8	10.5	1.5	0.0	643.3	6	
9	23	-1155	5	-1	0	-0	-1	132.0	10.9	1.5	0.0	142.9	6	
10	23	-4073	7	-1	0	0	-1	465.5	10.9	2.4	0.0	476.4	6	
11	23	-2301	4	-0	0	0	-0	263.0	5.8	1.4	0.0	268.8	6	
12	23	-2419	4	-0	0	0	-0	276.5	6.2	1.5	0.0	282.6	6	
13	23	832	5	-1	0	-0	-0	95.1	6.2	1.5	0.0	101.3	6	
14	23	-4160	8	-1	0	-0	-1	475.4	11.0	2.5	0.0	486.4	6	
15	23	-2224	4	-0	0	0	-0	254.2	5.4	1.4	0.0	259.6	6	
16	23	-2441	5	-1	0	0	-1	279.0	6.1	1.5	0.0	285.1	6	
17	23	1651	5	-1	0	-0	-1	188.7	6.9	1.5	0.0	195.6	6	
1A	46	-5835	3	-1	0	0	0	666.9	2.0	1.1	0.0	668.9	1	
1E	46	-5803	3	-1	0	0	0	663.2	2.0	1.1	0.0	665.2	1	
1I	46	-5841	3	-1	0	0	0	667.6	2.2	1.1	0.0	669.8	1	
1M	46	-5797	3	-1	0	0	0	662.5	2.2	1.1	0.0	664.7	1	
2	46	-7136	5	-0	0	0	0	815.5	3.8	1.6	0.0	819.4	1	
3	46	-4214	3	-0	0	0	0	481.6	2.9	1.0	0.0	484.5	6	
4	46	-4357	3	-0	0	0	0	497.9	2.7	1.0	0.0	500.6	6	
5	46	-989	3	-1	0	0	0	113.0	3.2	1.0	0.0	116.2	6	
6	46	-9050	5	-1	0	0	-0	1034.3	3.8	1.7	0.0	1038.1	1	
7	46	-5281	3	-0	0	0	0	603.5	2.0	1.0	0.0	605.6	1	
8	46	-5537	3	-1	0	0	0	632.8	2.1	1.0	0.0	634.9	1	
9	46	-1155	3	-1	0	0	0	132.0	2.6	1.1	0.0	134.6	1	
10	46	-4073	5	-1	0	0	1	465.5	7.4	1.6	0.0	472.9	6	
11	46	-2301	3	-0	0	0	0	263.0	5.2	1.0	0.0	268.2	6	
12	46	-2419	3	-0	0	0	0	276.5	5.0	1.0	0.0	281.5	6	
13	46	832	3	-1	0	0	0	95.1	5.4	1.1	0.0	100.5	6	
14	46	-4160	5	-1	0	0	1	475.4	8.3	1.8	0.0	483.8	6	
15	46	-2224	3	-0	0	0	0	254.2	5.4	1.0	0.0	259.6	6	
16	46	-2441	3	-1	0	0	0	279.0	5.0	1.0	0.0	283.9	6	
17	46	1651	3	-1	0	0	0	188.7	5.5	1.1	0.0	194.2	6	

ASTA NUM. 191 NI 212 NF 221 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3848	6	1	0	1	-1	446.3	15.3	1.9	0.0	459.8	6	
1E	0	-3842	6	1	0	1	-1	445.8	15.3	1.9	0.0	459.2	6	
1I	0	-3847	5	1	0	1	-1	446.3	15.3	1.8	0.0	459.6	6	
1M	0	-3843	5	1	0	1	-1	445.8	15.3	1.8	0.0	459.2	6	
2	0	-4753	8	1	0	1	-1	551.4	16.9	2.6	0.0	566.7	6	
3	0	-3041	3	-1	0	-0	1	352.8	10.2	1.1	0.0	361.0	1	
4	0	-2997	4	0	0	0	-0	347.7	3.5	1.4	0.0	350.0	2	
5	0	-2929	6	2	0	2	-1	339.8	23.3	2.0	0.0	361.2	6	
6	0	-5943	8	2	0	1	-1	689.4	19.6	2.6	0.0	707.1	6	
7	0	-3825	2	-2	0	-1	1	443.7	19.7	0.8	0.0	460.6	1	
8	0	-3745	4	0	0	0	-0	434.5	4.1	1.4	0.0	437.2	2	
9	0	-3689	6	2	0	1	-1	428.0	20.9	1.9	0.0	446.1	6	
10	0	-4741	8	2	0	1	-1	550.0	19.7	2.7	0.0	568.7	6	
11	0	-3034	3	-1	0	-0	0	352.0	8.0	1.1	0.0	358.4	1	
12	0	-2999	4	0	0	0	-0	347.9	3.0	1.4	0.0	349.9	2	
13	0	-2820	8	5	0	3	-3	327.1	51.8	2.8	0.0	378.9	6	
14	0	-5941	8	2	0	1	-1	689.2	20.0	2.8	0.0	707.9	6	
15	0	-3825	2	-2	0	-1	1	443.7	19.4	0.8	0.0	460.8	1	
16	0	-3760	4	-0	0	0	0	436.2	1.5	1.3	0.0	437.4	1	
17	0	-3526	9	6	0	4	-3	409.0	64.0	3.1	0.0	473.0	6	

1A	33	-3848	3	1	0	1	1	446.3	13.8	1.1	0.0	457.4	1
1E	33	-3842	3	1	0	1	1	445.8	13.8	1.1	0.0	456.8	1
1I	33	-3847	3	1	0	1	1	446.3	13.0	1.1	0.0	457.0	1
1M	33	-3843	3	1	0	1	1	445.8	13.0	1.1	0.0	456.6	1
2	33	-4753	5	1	0	1	1	551.4	21.4	1.5	0.0	565.8	1
3	33	-3041	1	-1	0	-0	1	352.8	21.9	0.4	0.0	362.4	1
4	33	-2997	2	0	0	0	1	347.7	16.4	0.8	0.0	355.6	1
5	33	-2929	4	2	0	1	0	339.8	11.6	1.3	0.0	351.4	1
6	33	-5943	5	2	0	1	1	689.4	20.0	1.6	0.0	704.5	1
7	33	-3825	0	-2	0	-0	2	443.7	26.2	0.6	0.0	457.4	1
8	33	-3745	2	0	0	0	1	434.5	16.0	0.7	0.0	442.6	1
9	33	-3689	4	2	0	1	1	428.0	11.5	1.2	0.0	439.4	1
10	33	-4741	5	2	0	1	1	550.0	19.8	1.6	0.0	564.4	1
11	33	-3034	1	-1	0	-0	1	352.0	20.7	0.5	0.0	360.8	1
12	33	-2999	2	0	0	0	1	347.9	16.4	0.7	0.0	355.5	1
13	33	-2820	6	5	0	2	-0	327.1	19.7	2.2	0.0	343.1	2
14	33	-5941	5	2	0	1	1	689.2	21.2	1.7	0.0	704.3	1
15	33	-3825	0	-2	0	-0	2	443.7	25.9	0.6	0.0	457.7	1
16	33	-3760	2	-0	0	0	1	436.2	17.2	0.6	0.0	443.2	1
17	33	-3526	7	6	0	2	-1	409.0	25.9	2.5	0.0	427.3	2
1A	66	-3848	1	1	0	0	1	446.3	25.3	0.5	0.0	457.2	1
1E	66	-3842	1	1	0	0	1	445.8	25.3	0.5	0.0	456.6	1
1I	66	-3847	1	1	0	0	1	446.3	23.6	0.5	0.0	456.5	1
1M	66	-3843	1	1	0	0	1	445.8	23.6	0.5	0.0	456.0	1
2	66	-4753	1	1	0	0	2	551.4	37.2	0.5	0.0	566.9	1
3	66	-3041	-1	-1	0	0	1	352.8	23.0	0.3	0.0	362.4	1
4	66	-2997	0	0	0	0	1	347.7	23.2	0.1	0.0	357.3	1
5	66	-2929	2	2	0	0	1	339.8	24.5	0.8	0.0	349.5	1
6	66	-5943	1	2	0	0	2	689.4	35.9	0.6	0.0	705.0	1
7	66	-3825	-2	-2	0	0	1	443.7	22.2	0.6	0.0	453.3	1
8	66	-3745	0	0	0	0	1	434.5	22.4	0.1	0.0	444.1	1
9	66	-3689	2	2	0	0	1	428.0	23.9	0.7	0.0	437.6	1
10	66	-4741	2	2	0	0	2	550.0	36.8	0.6	0.0	564.8	1
11	66	-3034	-1	-1	0	0	1	352.0	22.8	0.2	0.0	361.1	1
12	66	-2999	0	0	0	0	1	347.9	22.9	0.1	0.0	357.1	1
13	66	-2820	4	5	0	0	1	327.1	24.8	1.7	0.0	336.7	1
14	66	-5941	2	2	0	0	2	689.2	38.3	0.6	0.0	704.7	1
15	66	-3825	-2	-2	0	0	1	443.7	21.7	0.6	0.0	452.5	1
16	66	-3760	-0	-0	0	0	1	436.2	22.0	0.0	0.0	445.1	1
17	66	-3526	5	6	0	0	1	409.0	24.4	2.1	0.0	418.5	1

ASTA NUM. 192 NI 221 NF 213 Lungh. 66.3 cm SEZ. 20 Pd L 55X 4 Dist.= 0.010 m __a_'T'__

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	6.7667	6.7667 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-3482	-1	-1	0	0	2	403.9	26.8	0.3	0.0	415.3	1	
1E	0	-3476	-1	-1	0	0	2	403.3	26.8	0.3	0.0	414.7	1	
1I	0	-3481	-1	-1	0	0	2	403.8	28.5	0.4	0.0	415.9	1	
1M	0	-3477	-1	-1	0	0	2	403.4	28.5	0.4	0.0	415.4	1	
2	0	-4239	-1	-1	0	0	2	491.8	37.1	0.5	0.0	507.3	1	
3	0	-2577	-3	-3	0	0	1	299.0	23.1	0.9	0.0	308.6	1	
4	0	-2623	-2	-2	0	0	1	304.3	23.2	0.5	0.0	314.0	1	
5	0	104	0	1	0	0	1	12.1	25.2	0.3	0.0	37.3	6	
6	0	-5495	-1	-1	0	0	2	637.5	35.9	0.5	0.0	653.1	1	
7	0	-3322	-3	-4	0	0	1	385.4	22.3	1.3	0.0	395.0	1	
8	0	-3403	-2	-2	0	0	1	394.8	22.4	0.6	0.0	404.5	1	
9	0	21	-0	1	0	0	1	2.5	25.1	0.2	0.0	27.5	6	
10	0	-4251	-1	-1	0	0	2	493.2	36.7	0.4	0.0	508.0	1	
11	0	-2585	-2	-3	0	0	1	299.9	22.8	0.9	0.0	309.0	1	
12	0	-2621	-2	-2	0	0	1	304.1	23.0	0.5	0.0	313.3	1	
13	0	-5	3	4	0	0	1	0.5	24.7	1.2	0.0	24.2	6	
14	0	-5493	-2	-2	0	0	2	637.2	38.2	0.6	0.0	652.7	1	
15	0	-3322	-3	-4	0	0	1	385.4	21.8	1.3	0.0	394.2	1	
16	0	-3389	-2	-2	0	0	1	393.2	22.0	0.7	0.0	402.1	1	
17	0	-143	4	5	0	0	1	16.6	24.2	1.6	0.0	26.3	1	
1A	33	-3482	-3	-1	0	0	1	403.9	15.6	1.1	0.0	414.1	1	
1E	33	-3476	-3	-1	0	0	1	403.3	15.6	1.1	0.0	413.5	1	
1I	33	-3481	-3	-1	0	0	1	403.8	16.4	1.1	0.0	414.4	1	
1M	33	-3477	-3	-1	0	0	1	403.4	16.4	1.1	0.0	413.9	1	
2	33	-4239	-5	-1	0	1	1	491.8	20.9	1.6	0.0	506.0	1	
3	33	-2577	-5	-3	0	1	0	299.0	11.7	1.5	0.0	310.7	1	
4	33	-2623	-3	-2	0	1	1	304.3	10.0	1.2	0.0	314.2	1	
5	33	104	-2	1	0	-0	1	12.1	20.9	0.6	0.0	32.9	6	
6	33	-5495	-5	-1	0	1	1	637.5	20.0	1.5	0.0	652.2	1	
7	33	-3322	-5	-4	0	1	-0	385.4	15.4	1.8	0.0	399.1	2	
8	33	-3403	-4	-2	0	1	0	394.8	10.4	1.2	0.0	405.2	1	
9	33	21	-2	1	0	-0	1	2.5	18.6	0.7	0.0	21.1	6	
10	33	-4251	-4	-1	0	1	1	493.2	21.9	1.5	0.0	506.4	1	
11	33	-2585	-4	-3	0	1	0	299.9	11.1	1.5	0.0	311.0	1	
12	33	-2621	-4	-2	0	1	1	304.1	9.7	1.2	0.0	313.7	1	
13	33	-5	1	4	0	-1	2	0.5	35.7	1.2	0.0	35.2	6	
14	33	-5493	-5	-2	0	1	1	637.2	21.3	1.6	0.0	651.9	1	
15	33	-3322	-5	-4	0	1	-0	385.4	15.0	1.8	0.0	398.5	2	
16	33	-3389	-4	-2	0	1	0	393.2	10.4	1.3	0.0	403.6	1	
17	33	-143	2	5	0	-1	2	16.6	41.0	1.6	0.0	46.0	1	
1A	66	-3482	-5	-1	0	1	-1	403.9	11.4	1.8	0.0	414.4	6	
1E	66	-3476	-5	-1	0	1	-1	403.3	11.4	1.8	0.0	413.8	6	
1I	66	-3481	-6	-1	0	1	-1	403.8	11.5	1.9	0.0	414.5	6	
1M	66	-3477	-6	-1	0	1	-1	403.4	11.5	1.9	0.0	414.0	6	
2	66	-4239	-8	-1	0	1	-1	491.8	17.1	2.6	0.0	508.1	6	
3	66	-2577	-6	-3	0	2	-2	299.0	30.3	2.2	0.0	329.3	6	
4	66	-2623	-5	-2	0	1	-1	304.3	17.8	1.8	0.0	322.0	6	
5	66	104	-4	1	0	-1	0	12.1	7.4	1.3	0.0	17.9	6	
6	66	-5495	-8	-1	0	1	-1	637.5	18.5	2.6	0.0	654.7	6	
7	66	-3322	-7	-4	0	3	-2	385.4	42.0	2.5	0.0	427.4	6	
8	66	-3403	-6	-2	0	1	-1	394.8	19.8	1.9	0.0	414.2	6	
9	66	21	-4	1	0	-0	0	2.5	3.7	1.4	0.0	5.4	2	
10	66	-4251	-7	-1	0	1	-1	493.2	13.9	2.5	0.0	506.4	6	
11	66	-2585	-6	-3	0	2	-2	299.9	28.4	2.1	0.0	328.3	6	
12	66	-2621	-5	-2	0	1	-1	304.1	18.2	1.9	0.0	322.3	6	
13	66	-5	-1	4	0	-2	2	0.5	36.1	1.2	0.0	36.6	1	
14	66	-5493	-8	-2	0	1	-1	637.2	18.9	2.8	0.0	655.5	6	
15	66	-3322	-7	-4	0	3	-2	385.4	42.3	2.5	0.0	427.6	6	
16	66	-3389	-6	-2	0	1	-1	393.2	23.6	2.0	0.0	416.8	6	
17	66	-143	-0	5	0	-3	3	16.6	47.2	1.6	0.0	63.5	1	

ASTA NUM. 193 NI 204 NF 206 Lungh. 66.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	0	1	-0	0	-0	0	0.2	0.7	0.9	0.0	1.6	5	
1E	0	3	1	-0	0	-0	0	1.1	0.7	0.9	0.0	2.1	5	
1I	0	1	1	-0	0	-0	0	0.5	0.6	0.9	0.0	1.6	5	
1M	0	2	1	-0	0	-0	0	0.8	0.6	0.9	0.0	1.8	5	
2	0	3	2	-4	0	-0	-0	0.9	4.7	3.5	0.0	7.2	4	
3	0	1	1	-2	0	-0	-0	0.3	3.0	2.2	0.0	4.4	4	
4	0	1	1	-2	0	-0	-0	0.4	3.0	2.2	0.0	4.4	4	
5	0	2	1	-2	0	-0	-0	0.5	2.9	2.2	0.0	4.5	4	
6	0	3	2	-1	0	-0	-0	1.1	2.2	1.4	0.0	3.6	4	
7	0	1	1	-1	0	-0	0	0.3	1.3	0.9	0.0	2.0	4	
8	0	2	1	-1	0	-0	0	0.5	1.2	0.9	0.0	2.1	4	
9	0	2	1	-1	0	-0	-0	0.6	1.4	0.9	0.0	2.2	4	
10	0	3	2	-4	0	-0	-0	1.0	4.7	3.5	0.0	7.2	4	
11	0	1	1	-2	0	-0	-0	0.3	3.0	2.2	0.0	4.4	4	
12	0	2	1	-2	0	-0	-0	0.5	3.0	2.2	0.0	4.5	4	
13	0	2	1	-2	0	-0	-0	0.5	2.9	2.2	0.0	4.5	4	
14	0	3	2	-1	0	-0	-0	1.1	2.3	1.5	0.0	3.8	4	
15	0	1	1	-1	0	-0	0	0.3	1.3	0.9	0.0	2.0	4	
16	0	2	1	-1	0	-0	0	0.5	1.2	0.9	0.0	2.1	4	
17	0	2	1	-1	0	-0	0	0.6	1.1	0.9	0.0	2.1	4	
1A	33	0	0	-0	0	0	0	0.2	13.6	0.2	0.0	13.7	6	
1E	33	3	0	-0	0	0	0	1.1	13.6	0.2	0.0	14.7	6	
1I	33	1	0	-0	0	0	0	0.5	12.5	0.2	0.0	12.9	6	
1M	33	2	0	-0	0	0	0	0.8	12.5	0.2	0.0	13.2	6	
2	33	3	1	-1	0	1	0	0.9	64.0	1.3	0.0	64.9	1	
3	33	1	1	-1	0	1	0	0.3	40.1	0.8	0.0	40.4	1	
4	33	1	1	-1	0	1	0	0.4	40.0	0.8	0.0	40.5	1	
5	33	2	1	-1	0	1	0	0.5	40.0	0.8	0.0	40.5	1	
6	33	3	0	-1	0	0	0	1.1	27.3	0.6	0.0	28.3	6	
7	33	1	0	-0	0	0	0	0.3	17.3	0.4	0.0	17.6	6	
8	33	2	0	-0	0	0	0	0.5	17.1	0.4	0.0	17.6	6	
9	33	2	0	-0	0	0	0	0.6	17.1	0.4	0.0	17.7	6	
10	33	3	1	-1	0	1	0	1.0	64.0	1.3	0.0	64.9	1	
11	33	1	1	-1	0	1	0	0.3	40.1	0.8	0.0	40.4	1	
12	33	2	1	-1	0	1	0	0.5	40.0	0.8	0.0	40.5	1	
13	33	2	1	-1	0	1	0	0.5	40.0	0.8	0.0	40.5	1	
14	33	3	0	-1	0	0	0	1.1	28.7	0.6	0.0	29.8	6	
15	33	1	0	-0	0	0	0	0.3	17.3	0.4	0.0	17.5	6	
16	33	2	0	-0	0	0	0	0.5	17.1	0.4	0.0	17.6	6	
17	33	2	0	-0	0	0	0	0.6	17.1	0.4	0.0	17.7	6	
1A	66	0	-1	-0	0	0	0	0.2	13.2	0.6	0.0	13.4	1	
1E	66	3	-1	-0	0	0	0	1.1	13.2	0.6	0.0	14.3	1	
1I	66	1	-1	-0	0	0	0	0.5	10.4	0.6	0.0	10.9	1	
1M	66	2	-1	-0	0	0	0	0.8	10.4	0.6	0.0	11.2	1	
2	66	3	-0	1	0	1	1	0.9	72.5	0.9	0.0	73.4	1	
3	66	1	-0	1	0	1	0	0.3	45.5	0.5	0.0	45.8	1	
4	66	1	-0	1	0	1	0	0.4	45.3	0.5	0.0	45.8	1	

5	66	2	-0	1	0	1	0	0.5	45.4	0.5	0.0	45.8	1
6	66	3	-1	-0	0	0	0	1.1	33.2	0.6	0.0	34.2	1
7	66	1	-0	-0	0	0	0	0.3	21.0	0.4	0.0	21.3	1
8	66	2	-0	-0	0	0	0	0.5	20.8	0.4	0.0	21.3	1
9	66	2	-0	-0	0	0	0	0.6	20.8	0.4	0.0	21.4	1
10	66	3	-0	1	0	1	1	1.0	72.4	0.9	0.0	73.4	1
11	66	1	-0	1	0	1	0	0.3	45.4	0.5	0.0	45.7	1
12	66	2	-0	1	0	1	0	0.5	45.3	0.5	0.0	45.8	1
13	66	2	-0	1	0	1	0	0.5	45.3	0.6	0.0	45.8	1
14	66	3	-1	-0	0	0	0	1.1	34.6	0.7	0.0	35.7	1
15	66	1	-0	-0	0	0	0	0.3	21.0	0.4	0.0	21.3	1
16	66	2	-0	-0	0	0	0	0.5	20.7	0.4	0.0	21.3	1
17	66	2	-0	-0	0	0	0	0.6	20.8	0.4	0.0	21.4	1

ASTA NUM. 194 NI 206 NF 205 Lungh. 66.3 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1	1	0	0	0	0	0.2	15.7	0.6	0.0	15.9	1	
1E	0	4	1	0	0	0	0	1.2	15.7	0.6	0.0	16.8	1	
1I	0	2	1	0	0	0	0	0.5	18.5	0.5	0.0	19.1	1	
1M	0	3	1	0	0	0	0	0.8	18.5	0.5	0.0	19.4	1	
2	0	3	0	-1	0	1	1	1.0	72.5	0.9	0.0	73.5	1	
3	0	2	0	-1	0	1	0	0.6	45.3	0.6	0.0	45.9	1	
4	0	2	0	-1	0	1	0	0.6	45.3	0.6	0.0	46.0	1	
5	0	2	0	-1	0	1	0	0.6	45.2	0.6	0.0	45.9	1	
6	0	4	1	0	0	0	0	1.2	33.1	0.6	0.0	34.3	1	
7	0	2	0	0	0	0	0	0.7	20.7	0.4	0.0	21.4	1	
8	0	2	0	0	0	0	0	0.8	20.7	0.4	0.0	21.5	1	
9	0	2	0	0	0	0	0	0.8	20.6	0.4	0.0	21.4	1	
10	0	3	0	-1	0	1	1	1.0	72.4	0.9	0.0	73.5	1	
11	0	2	0	-1	0	1	0	0.6	45.3	0.6	0.0	45.9	1	
12	0	2	0	-1	0	1	0	0.7	45.3	0.6	0.0	46.0	1	
13	0	2	0	-1	0	1	0	0.7	45.2	0.6	0.0	45.9	1	
14	0	4	1	0	0	0	0	1.2	34.6	0.7	0.0	35.8	1	
15	0	2	0	0	0	0	0	0.7	20.7	0.4	0.0	21.4	1	
16	0	2	0	0	0	0	0	0.8	20.7	0.4	0.0	21.5	1	
17	0	2	0	0	0	0	0	0.8	20.6	0.4	0.0	21.4	1	
1A	33	1	-0	0	0	0	0	0.2	14.5	0.3	0.0	14.8	6	
1E	33	4	-0	0	0	0	0	1.2	14.5	0.3	0.0	15.7	6	
1I	33	2	-0	0	0	0	0	0.5	15.7	0.3	0.0	16.2	6	
1M	33	3	-0	0	0	0	0	0.8	15.7	0.3	0.0	16.5	6	
2	33	3	-1	1	0	1	0	1.0	64.1	1.3	0.0	65.1	1	
3	33	2	-1	1	0	1	0	0.6	40.1	0.8	0.0	40.7	1	
4	33	2	-1	1	0	1	0	0.6	40.1	0.8	0.0	40.7	1	
5	33	2	-1	1	0	1	0	0.6	40.0	0.8	0.0	40.6	1	
6	33	4	-0	1	0	0	0	1.2	27.2	0.6	0.0	28.4	6	
7	33	2	-0	0	0	0	0	0.7	17.0	0.4	0.0	17.8	6	
8	33	2	-0	0	0	0	0	0.8	17.0	0.4	0.0	17.8	6	
9	33	2	-0	0	0	0	0	0.8	17.0	0.4	0.0	17.7	6	
10	33	3	-1	1	0	1	0	1.0	64.0	1.3	0.0	65.1	1	
11	33	2	-1	1	0	1	0	0.6	40.0	0.8	0.0	40.7	1	
12	33	2	-1	1	0	1	0	0.7	40.0	0.8	0.0	40.7	1	
13	33	2	-1	1	0	1	0	0.7	40.0	0.8	0.0	40.7	1	
14	33	4	-0	1	0	0	0	1.2	28.6	0.6	0.0	29.8	6	
15	33	2	-0	0	0	0	0	0.7	17.0	0.4	0.0	17.7	6	
16	33	2	-0	0	0	0	0	0.8	17.0	0.4	0.0	17.8	6	
17	33	2	-0	0	0	0	0	0.8	16.9	0.4	0.0	17.7	6	
1A	66	1	-1	0	0	-0	-0	0.2	1.0	0.9	0.0	1.7	4	
1E	66	4	-1	0	0	-0	-0	1.2	1.0	0.9	0.0	2.3	4	
1I	66	2	-1	0	0	-0	-0	0.5	1.2	1.0	0.0	2.0	4	
1M	66	3	-1	0	0	-0	-0	0.8	1.2	1.0	0.0	2.2	4	
2	66	3	-2	4	0	-0	-0	1.0	4.7	3.5	0.0	7.2	4	
3	66	2	-1	2	0	-0	-0	0.6	2.9	2.2	0.0	4.5	4	
4	66	2	-1	2	0	-0	-0	0.6	2.9	2.2	0.0	4.5	4	
5	66	2	-1	2	0	-0	-0	0.6	2.9	2.2	0.0	4.5	4	
6	66	4	-2	1	0	-0	-0	1.2	2.2	1.4	0.0	3.7	4	
7	66	2	-1	1	0	-0	-0	0.7	1.5	0.9	0.0	2.3	4	
8	66	2	-1	1	0	-0	-0	0.8	1.4	0.9	0.0	2.3	4	
9	66	2	-1	1	0	-0	-0	0.8	1.4	0.9	0.0	2.3	4	
10	66	3	-2	4	0	-0	-0	1.0	4.7	3.5	0.0	7.3	4	
11	66	2	-1	2	0	-0	-0	0.6	2.9	2.2	0.0	4.5	4	
12	66	2	-1	2	0	-0	-0	0.7	2.9	2.2	0.0	4.5	4	
13	66	2	-1	2	0	-0	-0	0.7	2.9	2.2	0.0	4.6	4	
14	66	4	-2	1	0	-0	-0	1.2	2.3	1.5	0.0	3.9	4	
15	66	2	-1	1	0	-0	-0	0.7	1.5	0.9	0.0	2.3	4	
16	66	2	-1	1	0	-0	-0	0.8	1.4	0.9	0.0	2.4	4	
17	66	2	-1	1	0	-0	-0	0.8	1.4	0.9	0.0	2.4	4	

ASTA NUM. 195 NI 128 NF 206 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1638	0.5410	--	--	3.9862	6.6910 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-3219	3	-1	0	-0	-0	507.8	11.3	1.3	0.0	519.1	6	
1E	0	-3179	3	-1	0	-0	-0	501.4	11.3	1.3	0.0	512.7	6	
1I	0	-3219	3	-1	0	-0	-0	507.8	9.0	1.3	0.0	516.8	6	
1M	0	-3179	3	-1	0	-0	-0	501.4	9.0	1.3	0.0	510.4	6	
2	0	-3976	9	-9	0	-2	-2	627.1	58.2	4.1	0.0	685.4	6	
3	0	-1652	6	-6	0	-1	-1	260.6	36.2	2.6	0.0	296.7	6	
4	0	-1940	6	-6	0	-1	-1	306.0	36.2	2.6	0.0	342.2	6	
5	0	-2215	6	-6	0	-1	-1	349.4	35.8	2.6	0.0	385.2	6	
6	0	-5200	5	-3	0	-1	-1	820.2	27.7	2.5	0.0	847.9	6	
7	0	-2015	3	-2	0	-1	-1	317.8	17.0	1.5	0.0	334.8	6	
8	0	-2606	3	-2	0	-1	-1	411.0	17.1	1.5	0.0	428.1	6	
9	0	-2931	3	-2	0	-1	-1	462.3	16.6	1.5	0.0	478.9	6	
10	0	-4036	9	-9	0	-2	-2	636.6	58.3	4.1	0.0	694.8	6	
11	0	-1685	6	-6	0	-1	-1	265.8	36.2	2.6	0.0	301.9	6	
12	0	-1974	6	-6	0	-1	-1	311.4	36.3	2.6	0.0	347.6	6	
13	0	-2234	6	-6	0	-1	-1	352.4	35.8	2.6	0.0	388.1	6	
14	0	-4556	6	-3	0	-1	-1	718.6	28.8	2.6	0.0	747.4	6	
15	0	-1605	3	-2	0	-1	-1	253.2	16.9	1.5	0.0	270.1	6	
16	0	-2197	3	-2	0	-1	-1	346.5	17.1	1.5	0.0	363.6	6	
17	0	-2501	3	-2	0	-1	-1	394.5	16.4	1.5	0.0	410.9	6	
1A	48	-3218	1	-1	0	0	0	507.5	9.8	0.5	0.0	517.3	6	
1E	48	-3177	1	-1	0	0	0	501.1	9.8	0.5	0.0	510.9	6	
1I	48	-3218	1	-1	0	0	0	507.5	9.7	0.4	0.0	517.3	6	
1M	48	-3177	1	-1	0	0	0	501.2	9.7	0.4	0.0	510.9	6	
2	48	-3976	5	-5	0	1	1	627.1	29.8	2.2	0.0	656.9	1	
3	48	-1652	3	-3	0	1	1	260.6	18.3	1.3	0.0	278.9	1	
4	48	-1940	3	-3	0	1	1	306.0	18.4	1.4	0.0	324.4	1	
5	48	-2215	3	-3	0	1	1	349.4	18.8	1.4	0.0	368.2	1	
6	48	-5198	2	-2	0	0	1	820.0	17.6	1.1	0.0	837.6	6	
7	48	-2014	1	-1	0	0	0	317.7	10.6	0.7	0.0	328.3	6	
8	48	-2606	1	-1	0	0	0	411.0	10.9	0.7	0.0	421.9	6	
9	48	-2930	1	-1	0	0	1	462.1	11.3	0.7	0.0	473.5	6	
10	48	-4036	5	-5	0	1	1	636.6	30.0	2.2	0.0	666.6	1	
11	48	-1685	3	-3	0	1	1	265.8	18.4	1.4	0.0	284.2	1	
12	48	-1974	3	-3	0	1	1	311.4	18.5	1.4	0.0	329.8	1	
13	48	-2234	3	-3	0	1	1	352.4	19.0	1.4	0.0	371.3	1	
14	48	-4554	2	-2	0	0	1	718.3	18.6	1.1	0.0	736.9	6	
15	48	-1604	1	-1	0	0	0	253.0	10.6	0.6	0.0	263.6	6	
16	48	-2196	1	-1	0	0	0	346.4	10.9	0.7	0.0	357.2	6	
17	48	-2501	1	-1	0	0	1	394.4	11.4	0.7	0.0	405.8	6	
1A	96	-3216	-1	-1	0	0	1	507.3	13.2	0.4	0.0	520.5	6	
1E	96	-3176	-1	-1	0	0	1	500.9	13.2	0.4	0.0	514.2	6	
1I	96	-3216	-1	-1	0	0	0	507.3	10.8	0.5	0.0	518.1	6	
1M	96	-3176	-1	-1	0	0	0	500.9	10.8	0.5	0.0	511.7	6	
2	96	-3976	1	-0	0	2	2	627.1	62.0	0.3	0.0	689.1	6	
3	96	-1652	0	-0	0	1	1	260.6	38.0	0.1	0.0	298.5	6	
4	96	-1940	0	-0	0	1	1	306.0	38.3	0.2	0.0	344.3	6	
5	96	-2215	0	-0	0	1	1	349.4	38.6	0.1	0.0	387.9	6	
6	96	-5197	-1	-1	0	1	1	819.7	30.9	0.4	0.0	850.6	6	
7	96	-2013	-0	-1	0	1	1	317.5	18.2	0.3	0.0	335.7	6	
8	96	-2605	-0	-1	0	1	1	410.9	18.9	0.3	0.0	429.8	6	
9	96	-2929	-0	-1	0	1	1	462.0	19.2	0.3	0.0	481.2	6	
10	96	-4036	1	-0	0	2	2	636.6	62.2	0.3	0.0	698.8	6	
11	96	-1685	0	-0	0	1	1	265.8	38.1	0.1	0.0	303.9	6	
12	96	-1974	0	-0	0	1	1	311.4	38.4	0.2	0.0	349.8	6	
13	96	-2234	0	-0	0	1	1	352.4	38.8	0.2	0.0	391.1	6	
14	96	-4552	-1	-1	0	1	1	718.0	32.1	0.5	0.0	750.1	6	
15	96	-1603	-0	-1	0	1	1	252.8	18.1	0.3	0.0	270.9	6	
16	96	-2195	-0	-1	0	1	1	346.2	18.8	0.3	0.0	365.0	6	
17	96	-2500	-0	-1	0	1	1	394.3	19.2	0.3	0.0	413.5	6	

ASTA NUM. 196 NI 126 NF 206 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1638	0.5410	--	--	3.9862	6.6910 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-3530	3	1	0	0	-0	556.8	12.1	1.4	0.0	568.9	6	
1E	0	-3490	3	1	0	0	-0	550.4	12.1	1.4	0.0	562.5	6	
1I	0	-3530	3	1	0	1	-0	556.8	12.5	1.3	0.0	569.3	1	

1M	0	-3490	3	1	0	1	-0	550.4	12.5	1.3	0.0	562.9	1
2	0	-4636	9	9	0	2	-2	731.2	58.7	4.1	0.0	789.9	6
3	0	-3010	6	6	0	1	-1	474.8	36.6	2.6	0.0	511.3	6
4	0	-2858	6	6	0	1	-1	450.8	36.8	2.6	0.0	487.5	6
5	0	-2738	6	6	0	1	-1	431.9	37.4	2.6	0.0	469.3	6
6	0	-5673	6	3	0	1	-1	894.8	28.0	2.5	0.0	922.8	6
7	0	-3782	3	2	0	1	-1	596.5	17.4	1.6	0.0	613.9	6
8	0	-3542	3	2	0	1	-1	558.7	17.6	1.6	0.0	576.3	6
9	0	-3352	3	2	0	1	-1	528.7	18.5	1.6	0.0	547.2	6
10	0	-4452	9	9	0	2	-2	702.2	58.6	4.1	0.0	760.8	6
11	0	-2890	6	6	0	1	-1	455.8	36.5	2.6	0.0	492.4	6
12	0	-2793	6	6	0	1	-1	440.5	36.7	2.6	0.0	477.2	6
13	0	-2728	6	6	0	1	-1	430.3	37.4	2.6	0.0	467.7	6
14	0	-5029	6	3	0	1	-1	793.2	29.1	2.6	0.0	822.3	6
15	0	-3371	3	2	0	1	-1	531.7	17.3	1.6	0.0	549.0	6
16	0	-3219	3	2	0	1	-1	507.7	17.6	1.6	0.0	525.3	6
17	0	-3121	3	2	0	1	-1	492.3	18.5	1.6	0.0	510.7	6
1A	48	-3529	1	1	0	-0	0	556.6	9.8	0.5	0.0	566.4	6
1E	48	-3488	1	1	0	-0	0	550.2	9.8	0.5	0.0	560.0	6
1I	48	-3529	1	1	0	-0	0	556.6	9.8	0.5	0.0	566.4	6
1M	48	-3488	1	1	0	-0	0	550.2	9.8	0.5	0.0	560.0	6
2	48	-4636	5	5	0	-1	1	731.2	30.0	2.2	0.0	761.2	1
3	48	-3010	3	3	0	-1	1	474.8	19.1	1.4	0.0	493.8	1
4	48	-2858	3	3	0	-1	1	450.8	18.8	1.4	0.0	469.6	1
5	48	-2738	3	3	0	-1	1	431.9	18.4	1.4	0.0	450.2	1
6	48	-5671	2	2	0	-0	1	894.6	17.7	1.1	0.0	912.3	6
7	48	-3781	2	1	0	-0	1	596.4	11.5	0.7	0.0	607.9	6
8	48	-3541	2	1	0	-0	0	558.5	11.0	0.7	0.0	569.6	6
9	48	-3351	2	1	0	-0	0	528.5	10.6	0.7	0.0	539.1	6
10	48	-4452	5	5	0	-1	1	702.2	30.1	2.2	0.0	732.3	1
11	48	-2890	3	3	0	-1	1	455.8	19.1	1.4	0.0	474.9	1
12	48	-2793	3	3	0	-1	1	440.5	18.9	1.4	0.0	459.4	1
13	48	-2728	3	3	0	-1	1	430.3	18.4	1.4	0.0	448.6	1
14	48	-5027	3	2	0	-0	1	792.9	18.6	1.2	0.0	811.5	6
15	48	-3370	2	1	0	-0	1	531.5	11.5	0.7	0.0	543.1	6
16	48	-3219	2	1	0	-0	0	507.6	11.1	0.7	0.0	518.8	6
17	48	-3120	2	1	0	-0	0	492.1	10.5	0.7	0.0	502.6	6
1A	96	-3527	-1	1	0	-1	1	556.4	14.1	0.4	0.0	570.5	6
1E	96	-3487	-1	1	0	-1	1	550.0	14.1	0.4	0.0	564.1	6
1I	96	-3527	-1	1	0	-1	0	556.3	15.1	0.5	0.0	571.4	1
1M	96	-3487	-1	1	0	-1	0	550.0	15.1	0.5	0.0	565.0	1
2	96	-4636	1	0	0	-2	2	731.2	62.5	0.3	0.0	793.7	6
3	96	-3010	0	0	0	-1	2	474.8	39.5	0.2	0.0	514.3	6
4	96	-2858	0	0	0	-1	2	450.8	39.1	0.2	0.0	489.9	6
5	96	-2738	0	0	0	-1	1	431.9	39.0	0.2	0.0	470.9	6
6	96	-5670	-1	1	0	-1	1	894.3	31.4	0.4	0.0	925.7	6
7	96	-3780	-0	1	0	-1	1	596.2	20.3	0.3	0.0	616.6	6
8	96	-3540	-0	1	0	-1	1	558.4	19.7	0.3	0.0	578.0	6
9	96	-3350	-0	1	0	-1	1	528.4	19.5	0.3	0.0	547.9	6
10	96	-4452	1	0	0	-2	2	702.2	62.6	0.3	0.0	764.8	6
11	96	-2890	0	0	0	-1	2	455.8	39.6	0.2	0.0	495.4	6
12	96	-2793	0	0	0	-1	2	440.5	39.2	0.2	0.0	479.7	6
13	96	-2728	0	0	0	-1	1	430.3	39.0	0.2	0.0	469.3	6
14	96	-5025	-1	1	0	-1	1	792.6	32.6	0.5	0.0	825.2	6
15	96	-3369	-0	1	0	-1	1	531.4	20.3	0.3	0.0	551.7	6
16	96	-3218	-0	1	0	-1	1	507.6	19.7	0.3	0.0	527.3	6
17	96	-3119	-0	1	0	-1	1	492.0	19.4	0.3	0.0	511.4	6

ASTA NUM. 197 NI 126 NF 205 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	8.2190	2.0547	--	--	6.8299	17.1036 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-22250	6	-1	0	-0	-0	1435.5	2.8	1.0	0.0	1438.3	6	
1E	0	-22170	6	-1	0	-0	-0	1430.3	2.8	1.0	0.0	1433.1	6	
1I	0	-22307	5	-1	0	-0	-0	1439.2	2.0	0.9	0.0	1441.2	1	
1M	0	-22113	5	-1	0	-0	-0	1426.6	2.0	0.9	0.0	1428.7	1	
2	0	-28780	19	-2	0	-1	-3	1856.8	14.6	3.4	0.0	1871.4	6	
3	0	-15840	12	-1	0	-0	-2	1021.9	9.4	2.1	0.0	1031.3	6	
4	0	-16100	12	-1	0	-0	-2	1038.7	9.4	2.1	0.0	1048.1	6	
5	0	-17160	12	-1	0	-0	-2	1107.1	9.1	2.1	0.0	1116.2	6	
6	0	-36280	11	-2	0	-1	-1	2340.6	7.1	2.0	0.0	2347.7	6	
7	0	-19850	7	-1	0	-0	-1	1280.6	4.9	1.3	0.0	1285.5	6	
8	0	-20630	7	-1	0	-0	-1	1331.0	4.7	1.3	0.0	1335.7	6	
9	0	-21690	7	-1	0	-0	-1	1399.4	4.2	1.3	0.0	1403.6	6	
10	0	-29000	19	-2	0	-1	-3	1871.0	14.3	3.4	0.0	1885.3	6	
11	0	-15910	12	-1	0	-0	-2	1026.5	9.2	2.1	0.0	1035.7	6	
12	0	-16300	12	-1	0	-0	-2	1051.6	9.2	2.1	0.0	1060.8	6	
13	0	-17830	12	-1	0	-0	-2	1150.3	8.9	2.1	0.0	1159.2	6	
14	0	-33430	12	-2	0	-1	-1	2156.8	7.3	2.1	0.0	2164.0	6	
15	0	-17990	7	-1	0	-0	-1	1160.6	4.8	1.3	0.0	1165.4	6	
16	0	-18960	7	-1	0	-0	-1	1223.2	4.7	1.3	0.0	1227.9	6	
17	0	-20770	7	-1	0	-0	-1	1340.0	4.2	1.3	0.0	1344.2	6	
1A	35	-22245	3	-1	0	0	1	1435.2	5.6	0.6	0.0	1440.7	6	
1E	35	-22165	3	-1	0	0	1	1430.0	5.6	0.6	0.0	1435.6	6	
1I	35	-22302	3	-1	0	0	1	1438.9	5.5	0.5	0.0	1444.4	6	
1M	35	-22108	3	-1	0	0	1	1426.3	5.5	0.5	0.0	1431.8	6	
2	35	-28780	11	-2	0	-0	2	1856.8	12.6	2.0	0.0	1869.4	6	
3	35	-15840	7	-1	0	-0	1	1021.9	7.6	1.3	0.0	1029.5	6	
4	35	-16100	7	-1	0	-0	1	1038.7	7.7	1.2	0.0	1046.4	6	
5	35	-17160	7	-1	0	-0	2	1107.1	8.0	1.2	0.0	1115.1	6	
6	35	-36280	7	-2	0	0	2	2340.6	9.6	1.2	0.0	2350.2	6	
7	35	-19850	4	-1	0	-0	1	1280.6	5.5	0.8	0.0	1286.1	6	
8	35	-20625	4	-1	0	-0	1	1330.6	5.7	0.8	0.0	1336.4	6	
9	35	-21685	4	-1	0	-0	1	1399.0	6.2	0.8	0.0	1405.2	6	
10	35	-29000	11	-2	0	-0	3	1871.0	13.1	2.0	0.0	1884.0	6	
11	35	-15910	7	-1	0	-0	2	1026.5	7.8	1.3	0.0	1034.3	6	
12	35	-16300	7	-1	0	-0	2	1051.6	7.9	1.3	0.0	1059.5	6	
13	35	-17830	7	-1	0	-0	2	1150.3	8.2	1.3	0.0	1158.5	6	
14	35	-33425	7	-2	0	0	2	2156.5	10.1	1.3	0.0	2166.5	6	
15	35	-17985	4	-1	0	0	1	1160.3	5.6	0.8	0.0	1165.9	6	
16	35	-18955	4	-1	0	-0	1	1222.9	5.8	0.8	0.0	1228.7	6	
17	35	-20770	4	-1	0	-0	1	1340.0	6.2	0.8	0.0	1346.2	6	
1A	69	-22240	1	-1	0	0	2	1434.8	9.8	0.2	0.0	1444.7	6	
1E	69	-22160	1	-1	0	0	2	1429.7	9.8	0.2	0.0	1439.5	6	
1I	69	-22297	0	-1	0	0	2	1438.5	8.9	0.2	0.0	1447.4	6	
1M	69	-22103	0	-1	0	0	2	1426.0	8.9	0.2	0.0	1434.8	6	
2	69	-28780	3	-2	0	0	5	1856.8	25.9	0.6	0.0	1882.7	6	
3	69	-15840	2	-1	0	0	3	1021.9	15.8	0.4	0.0	1037.8	6	
4	69	-16100	2	-1	0	0	3	1038.7	15.8	0.4	0.0	1054.5	6	
5	69	-17160	2	-1	0	0	3	1107.1	16.2	0.4	0.0	1123.3	6	
6	69	-36280	2	-2	0	1	3	2340.6	18.6	0.4	0.0	2359.2	6	
7	69	-19850	1	-1	0	0	2	1280.6	11.1	0.3	0.0	1291.7	6	
8	69	-20620	1	-1	0	0	2	1330.3	11.2	0.3	0.0	1341.5	6	
9	69	-21680	1	-1	0	0	2	1398.7	11.7	0.3	0.0	1410.4	6	
10	69	-29000	4	-2	0	0	5	1871.0	26.6	0.6	0.0	1897.6	6	
11	69	-15910	2	-1	0	0	3	1026.5	16.2	0.4	0.0	1042.7	6	
12	69	-16300	2	-1	0	0	3	1051.6	16.2	0.4	0.0	1067.8	6	
13	69	-17830	2	-1	0	0	3	1150.3	16.6	0.4	0.0	1166.9	6	
14	69	-33420	2	-2	0	1	4	2156.1	19.4	0.4	0.0	2175.5	6	
15	69	-17980	2	-1	0	0	2	1160.0	11.2	0.3	0.0	1171.2	6	
16	69	-18950	1	-1	0	0	2	1222.6	11.3	0.3	0.0	1233.8	6	
17	69	-20770	1	-1	0	0	2	1340.0	11.8	0.3	0.0	1351.8	6	

ASTA NUM. 198 NI 128 NF 204 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	8.2190	2.0547	--	--	6.8299	17.1036 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-21740	6	1	0	0	-0	1402.6	2.7	1.0	0.0	1405.3	6	
1E	0	-21660	6	1	0	0	-0	1397.4	2.7	1.0	0.0	1400.1	6	
1I	0	-21797	5	1	0	0	-0	1406.3	2.0	0.9	0.0	1408.3	1	
1M	0	-21603	5	1	0	0	-0	1393.7	2.0	0.9	0.0	1395.7	1	
2	0	-27900	19	1	0	1	-3	1800.0	14.5	3.4	0.0	1814.5	6	
3	0	-13410	11	1	0	0	-2	865.2	8.2	2.1	0.0	873.4	6	
4	0	-15800	12	1	0	0	-2	1019.4	8.9	2.1	0.0	1028.3	6	
5	0	-15980	12	1	0	0	-2	1031.0	9.8	2.2	0.0	1040.8	6	
6	0	-35530	11	1	0	1	-1	2292.3	6.9	2.0	0.0	2299.1	6	
7	0	-16460	6	1	0	0	-1	1061.9	3.0	1.2	0.0	1065.0	6	
8	0	-20350	7	1	0	0	-1	1312.9	4.1	1.2	0.0	1317.0	6	
9	0	-20620	7	1	0	0	-1	1330.3	5.3	1.3	0.0	1335.6	6	
10	0	-28320	19	1	0	1	-3	1827.1	14.4	3.4	0.0	1841.5	6	
11	0	-13610	11	1	0	0	-2	878.1	8.1	2.1	0.0	886.2	6	
12	0	-16270	12	1	0	0	-2	1049.7	8.8	2.1	0.0	1058.5	6	
13	0	-15950	12	1	0	0	-2	1029.0	9.7	2.2	0.0	1038.8	6	
14	0	-32680	12	1	0	0	-1	2108.4	7.1	2.1	0.0	2115.4	6	
15	0	-14590	6	1	0	0	-1	941.3	2.9	1.2	0.0	944.2	6	
16	0	-18900	7	1	0	0	-1	1219.4	4.0	1.2	0.0	1223.4	6	
17	0	-18370	7	1	0	0	-1	1185.2	5.1	1.3	0.0	1190.3	6	
1A	35	-21735	3	1	0	-0	1	1402.3	5.6	0.6	0.0	1407.8	6	
1E	35	-21655	3	1	0	-0	1	1397.1	5.6	0.6	0.0	1402.7	6	
1I	35	-21792	3	1	0	-0	1	1406.0	5.5	0.5	0.0	1411.4	6	
1M	35	-21598	3	1	0	-0	1	1393.4	5.5	0.5	0.0	1398.9	6	
2	35	-27900	11	1	0	0	2	1800.0	12.6	2.0	0.0	1812.6	6	
3	35	-13410	7	1	0	0	2	865.2	8.0	1.2	0.0	873.2	6	
4	35	-15800	7	1	0	0	2	1019.4	7.6	1.2	0.0	1027.0	6	
5	35	-15980	7	1	0	0	1	1031.0	7.2	1.3	0.0	1038.2	6	
6	35	-35525	7	1	0	-0	2	2291.9	9.6	1.2	0.0	2301.5	6	
7	35	-16455	4	1	0	0	1	1061.6	6.2	0.7	0.0	1067.8	6	

8	35	-20345	4	1	0	-0	1	1312.6	5.9	0.7	0.0	1318.5	6
9	35	-20620	4	1	0	-0	1	1330.3	5.4	0.8	0.0	1335.7	6
10	35	-28320	11	1	0	0	3	1827.1	13.1	2.0	0.0	1840.2	6
11	35	-13605	7	1	0	0	2	877.7	8.3	1.2	0.0	886.0	6
12	35	-16265	7	1	0	0	2	1049.4	7.9	1.3	0.0	1057.3	6
13	35	-15950	7	1	0	0	1	1029.0	7.5	1.3	0.0	1036.5	6
14	35	-32675	7	1	0	-0	2	2108.1	10.1	1.3	0.0	2118.2	6
15	35	-14590	4	1	0	0	1	941.3	6.3	0.7	0.0	947.6	6
16	35	-18895	4	1	0	-0	1	1219.0	6.1	0.7	0.0	1225.1	6
17	35	-18365	4	1	0	-0	1	1184.8	5.4	0.8	0.0	1190.2	6
1A	69	-21730	1	1	0	-0	2	1401.9	9.7	0.2	0.0	1411.7	6
1E	69	-21650	1	1	0	-0	2	1396.8	9.7	0.2	0.0	1406.5	6
1I	69	-21787	0	1	0	-0	2	1405.6	8.7	0.2	0.0	1414.3	6
1M	69	-21593	0	1	0	-0	2	1393.1	8.7	0.2	0.0	1401.8	6
2	69	-27900	4	1	0	-0	5	1800.0	26.0	0.6	0.0	1826.0	6
3	69	-13410	2	1	0	-0	3	865.2	15.4	0.3	0.0	880.6	6
4	69	-15800	2	1	0	-0	3	1019.4	15.9	0.4	0.0	1035.2	6
5	69	-15980	2	1	0	-0	3	1031.0	15.9	0.4	0.0	1046.9	6
6	69	-35520	2	1	0	-1	3	2291.6	18.4	0.4	0.0	2310.1	6
7	69	-16450	1	1	0	-0	2	1061.3	10.3	0.2	0.0	1071.6	6
8	69	-20340	1	1	0	-0	2	1312.3	11.1	0.2	0.0	1323.3	6
9	69	-20620	2	1	0	-0	2	1330.3	11.2	0.3	0.0	1341.5	6
10	69	-28320	4	1	0	-0	5	1827.1	26.8	0.7	0.0	1853.9	6
11	69	-13600	2	1	0	-0	3	877.4	15.9	0.3	0.0	893.3	6
12	69	-16260	2	1	0	-0	3	1049.0	16.4	0.4	0.0	1065.4	6
13	69	-15950	2	1	0	-0	3	1029.0	16.2	0.4	0.0	1045.3	6
14	69	-32670	2	1	0	-1	4	2107.7	19.3	0.4	0.0	2127.0	6
15	69	-14590	1	1	0	-0	2	941.3	10.5	0.2	0.0	951.8	6
16	69	-18890	1	1	0	-0	2	1218.7	11.3	0.2	0.0	1230.0	6
17	69	-18360	2	1	0	-0	2	1184.5	11.1	0.3	0.0	1195.7	6

ASTA NUM. 199 NI 202 NF 203 Lungh. 132.6 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.4178	2.4178 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-192	2	-0	0	-0	-0	62.4	2.2	1.5	0.0	64.5	6	
1E	0	-191	2	-0	0	-0	-0	62.1	2.2	1.5	0.0	64.3	6	
1I	0	-193	2	-0	0	-0	-0	62.7	2.1	1.5	0.0	64.8	6	
1M	0	-190	2	-0	0	-0	-0	61.8	2.1	1.5	0.0	63.9	6	
2	0	-268	2	-5	0	-0	-0	86.9	4.1	4.4	0.0	91.0	6	
3	0	-115	1	-3	0	-0	-0	37.2	2.4	2.8	0.0	39.6	6	
4	0	-120	1	-3	0	-0	-0	38.9	2.5	2.8	0.0	41.3	6	
5	0	-247	1	-3	0	-0	-0	80.3	2.5	2.8	0.0	82.9	6	
6	0	-345	2	-1	0	-0	-0	111.9	3.6	2.1	0.0	115.5	6	
7	0	-146	1	-1	0	-0	-0	47.3	2.1	1.3	0.0	49.3	6	
8	0	-164	1	-1	0	-0	-0	53.3	2.2	1.3	0.0	55.4	6	
9	0	-325	1	-1	0	-0	-0	105.6	2.2	1.3	0.0	107.8	6	
10	0	-429	2	-5	0	-0	-0	139.3	4.3	4.4	0.0	143.6	6	
11	0	-222	1	-3	0	-0	-0	72.2	2.6	2.8	0.0	74.7	6	
12	0	-222	1	-3	0	-0	-0	72.2	2.6	2.8	0.0	74.8	6	
13	0	-312	1	-3	0	-0	-0	101.4	2.6	2.8	0.0	104.1	6	
14	0	-509	2	-1	0	-0	-0	165.1	3.9	2.2	0.0	169.0	6	
15	0	-254	1	-1	0	-0	-0	82.6	2.1	1.3	0.0	84.7	6	
16	0	-269	1	-1	0	-0	-0	87.4	2.2	1.3	0.0	89.7	6	
17	0	-364	1	-1	0	-0	-0	118.2	2.3	1.3	0.0	120.5	6	
1A	66	-192	-0	-0	0	-0	1	62.4	32.7	0.0	0.0	95.1	6	
1E	66	-191	-0	-0	0	-0	1	62.1	32.7	0.0	0.0	94.8	6	
1I	66	-193	-0	-0	0	-0	1	62.7	32.7	0.0	0.0	95.4	6	
1M	66	-190	-0	-0	0	-0	1	61.8	32.7	0.0	0.0	94.5	6	
2	66	-268	-0	-0	0	2	1	86.9	116.7	0.0	0.0	203.6	1	
3	66	-115	-0	-0	0	1	0	37.2	73.0	0.0	0.0	110.2	1	
4	66	-120	-0	-0	0	1	0	38.9	73.0	0.0	0.0	111.9	1	
5	66	-247	-0	-0	0	1	0	80.3	72.9	0.0	0.0	153.3	1	
6	66	-345	0	-0	0	0	1	111.9	54.2	0.0	0.0	166.1	6	
7	66	-146	-0	-0	0	0	0	47.3	34.1	0.0	0.0	81.3	6	
8	66	-164	-0	-0	0	0	0	53.3	34.0	0.0	0.0	87.3	6	
9	66	-325	-0	-0	0	0	0	105.6	33.9	0.0	0.0	139.5	6	
10	66	-429	-0	-0	0	2	1	139.3	116.6	0.0	0.0	255.9	1	
11	66	-222	-0	-0	0	1	0	72.2	72.9	0.0	0.0	145.1	1	
12	66	-222	-0	-0	0	1	0	72.2	72.9	0.0	0.0	145.1	1	
13	66	-312	-0	-0	0	1	0	101.4	72.9	0.0	0.0	174.3	1	
14	66	-509	-0	-0	0	0	1	165.1	57.4	0.0	0.0	222.5	6	
15	66	-254	-0	-0	0	0	0	82.6	34.0	0.0	0.0	116.6	6	
16	66	-269	-0	-0	0	0	0	87.4	33.9	0.0	0.0	121.3	6	
17	66	-364	-0	-0	0	0	0	118.2	33.9	0.0	0.0	152.1	6	
1A	133	-192	-2	-0	0	-0	-0	62.4	2.2	1.5	0.0	64.6	6	
1E	133	-191	-2	-0	0	-0	-0	62.1	2.2	1.5	0.0	64.3	6	
1I	133	-193	-2	-0	0	-0	-0	62.7	2.1	1.5	0.0	64.8	6	
1M	133	-190	-2	-0	0	-0	-0	61.8	2.1	1.5	0.0	63.9	6	
2	133	-268	-2	5	0	-0	-0	86.9	4.2	4.4	0.0	91.0	6	
3	133	-115	-1	3	0	-0	-0	37.2	2.5	2.8	0.0	39.6	6	
4	133	-120	-1	3	0	-0	-0	38.9	2.5	2.8	0.0	41.4	6	
5	133	-247	-1	3	0	-0	-0	80.3	2.6	2.8	0.0	82.9	6	
6	133	-345	-2	1	0	-0	-0	111.9	3.6	2.1	0.0	115.5	6	
7	133	-146	-1	1	0	-0	-0	47.3	2.1	1.3	0.0	49.4	6	
8	133	-164	-1	1	0	-0	-0	53.3	2.2	1.3	0.0	55.5	6	
9	133	-325	-1	1	0	-0	-0	105.6	2.3	1.3	0.0	107.9	6	
10	133	-429	-2	5	0	-0	-0	139.3	4.3	4.4	0.0	143.6	6	
11	133	-222	-1	3	0	-0	-0	72.2	2.6	2.8	0.0	74.7	6	
12	133	-222	-1	3	0	-0	-0	72.2	2.6	2.8	0.0	74.8	6	
13	133	-312	-1	3	0	-0	-0	101.4	2.7	2.8	0.0	104.1	6	
14	133	-509	-2	1	0	-0	-0	165.1	3.9	2.2	0.0	169.0	6	
15	133	-254	-1	1	0	-0	-0	82.6	2.1	1.3	0.0	84.7	6	
16	133	-269	-1	1	0	-0	-0	87.4	2.2	1.3	0.0	89.7	6	
17	133	-364	-1	1	0	-0	-0	118.2	2.3	1.3	0.0	120.5	6	

ASTA NUM. 200 NI 166 NF 203 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6807	0.1702	--	--	2.3152	3.1661 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	81	1	-0	0	0	0	26.2	0.1	1.0	0.0	26.2	4	
1E	0	88	1	-0	0	0	0	28.5	0.1	1.0	0.0	28.6	4	
1I	0	81	1	-0	0	0	0	26.4	0.1	1.0	0.0	26.6	6	
1M	0	87	1	-0	0	0	0	28.3	0.1	1.0	0.0	28.4	6	
2	0	67	2	-2	0	-0	-0	21.6	1.5	1.9	0.0	23.1	6	
3	0	-80	1	-1	0	-0	-0	26.1	0.8	1.2	0.0	26.9	6	
4	0	-197	1	-1	0	-0	-0	63.8	1.0	1.2	0.0	64.8	6	
5	0	66	1	-1	0	-0	-0	21.3	0.9	1.2	0.0	22.2	6	
6	0	165	2	-1	0	0	-0	53.7	0.8	1.5	0.0	54.4	6	
7	0	-82	1	-0	0	0	0	26.8	0.3	0.9	0.0	27.1	1	
8	0	-213	1	-0	0	0	0	69.1	0.1	0.9	0.0	69.2	1	
9	0	139	1	-0	0	-0	0	45.0	0.0	0.9	0.0	45.1	5	
10	0	164	2	-2	0	-0	-0	53.1	1.6	1.9	0.0	54.7	6	
11	0	-20	1	-1	0	-0	-0	6.5	0.8	1.2	0.0	7.3	6	
12	0	-117	1	-1	0	-0	-0	38.0	0.9	1.2	0.0	38.9	6	
13	0	55	1	-1	0	-0	-0	17.8	1.0	1.2	0.0	18.8	6	
14	0	195	2	-1	0	0	-0	63.2	1.1	1.6	0.0	64.3	6	
15	0	-64	1	-0	0	0	0	20.9	0.3	0.9	0.0	21.2	1	
16	0	-164	1	-0	0	0	0	53.3	0.1	0.9	0.0	53.5	1	
17	0	41	1	-0	0	-0	0	13.3	0.1	0.9	0.0	13.4	5	
1A	43	80	0	-0	0	0	0	26.1	15.0	0.0	0.0	41.1	6	
1E	43	88	0	-0	0	0	0	28.4	15.0	0.0	0.0	43.4	6	
1I	43	81	0	-0	0	0	0	26.3	15.0	0.0	0.0	41.3	6	
1M	43	87	0	-0	0	0	0	28.2	15.0	0.0	0.0	43.1	6	
2	43	68	0	-0	0	0	0	21.9	39.2	0.1	0.0	61.2	1	
3	43	-80	0	-0	0	0	0	25.9	24.7	0.1	0.0	50.6	1	
4	43	-196	0	-0	0	0	0	63.6	24.6	0.1	0.0	88.2	1	
5	43	66	0	-0	0	0	0	21.5	24.5	0.1	0.0	46.0	1	
6	43	165	0	-0	0	0	0	53.7	25.7	0.1	0.0	79.3	6	
7	43	-82	0	-0	0	0	0	26.8	16.3	0.1	0.0	43.1	6	
8	43	-213	0	-0	0	0	0	69.1	16.0	0.0	0.0	85.1	6	
9	43	139	0	-0	0	0	0	45.0	16.0	0.0	0.0	61.0	6	
10	43	165	0	-0	0	0	0	53.5	39.2	0.1	0.0	92.7	1	
11	43	-19	0	-0	0	0	0	6.2	24.7	0.1	0.0	31.0	1	
12	43	-116	0	-0	0	0	0	37.8	24.6	0.1	0.0	62.4	1	
13	43	56	0	-0	0	0	0	18.1	24.5	0.1	0.0	42.5	1	
14	43	195	0	-0	0	0	0	63.1	26.9	0.1	0.0	90.1	6	
15	43	-64	0	-0	0	0	0	20.9	16.3	0.1	0.0	37.2	6	
16	43	-164	0	-0	0	0	0	53.3	16.1	0.0	0.0	69.4	6	
17	43	41	0	-0	0	0	0	13.3	15.9	0.0	0.0	29.2	6	
1A	87	80	-1	-0	0	0	0	26.0	2.5	0.9	0.0	28.5	6	
1E	87	87	-1	-0	0	0	0	28.3	2.5	0.9	0.0	30.8	6	
1I	87	81	-1	-0	0	0	0	26.3	2.4	0.9	0.0	28.7	6	
1M	87	86	-1	-0	0	0	0	28.1	2.4	0.9	0.0	30.5	6	
2	87	69	-2	2	0	0	0	22.3	4.4	1.9	0.0	26.6	6	
3	87	-79	-1	1	0	0	0	25.7	3.0	1.2	0.0	28.6	6	
4	87	-195	-1	1	0	0	0	63.4	2.7	1.2	0.0	66.1	6	
5	87	67	-1	1	0	0	0	21.7	2.7	1.2	0.0	24.4	6	
6	87	165	-1	0	0	0	0	53.6	4.2	1.3	0.0	57.8	6	
7	87	-83	-1	0	0	0	0	26.8	3.0	0.8	0.0	29.8	6	
8	87	-213	-1	0	0	0	0	69.1	2.6	0.8	0.0	71.7	6	
9	87	139	-1	0	0	0	0	45.0	2.6	0.8	0.0	47.6	6	
10	87	166	-2	2	0	0	0	53.8	4.5	1.9	0.0	58.3	6	
11	87	-19	-1	1	0	0	0	6.0	3.0	1.2	0.0	9.1	6	
12	87	-116	-1	1	0	0	0	37.6	2.8	1.2	0.0	40.4	6	
13	87	56	-1	1	0	0	0	18.3	2.7	1.2	0.0	21.0	6	
14	87	194	-2	0	0	0	0	63.1	4.2	1.4	0.0	67.4	6	

15	87	-64	-1	0	0	0	0	20.9	3.0	0.8	0.0	23.9	6
16	87	-164	-1	0	0	0	0	53.3	2.7	0.8	0.0	56.0	6
17	87	41	-1	0	0	0	0	13.3	2.5	0.8	0.0	15.7	6

ASTA NUM. 201 NI 202 NF 166 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6807	0.1702	--	--	2.3152	3.1661 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	174	1	0	0	0	0	56.6	2.4	0.9	0.0	59.0	6	
1E	0	182	1	0	0	0	0	59.0	2.4	0.9	0.0	61.4	6	
1I	0	175	1	0	0	0	0	56.9	2.4	0.9	0.0	59.3	6	
1M	0	181	1	0	0	0	0	58.7	2.4	0.9	0.0	61.1	6	
2	0	314	2	-2	0	0	0	101.9	4.0	1.9	0.0	105.9	6	
3	0	273	1	-1	0	0	0	88.5	1.9	1.2	0.0	90.4	6	
4	0	415	1	-1	0	0	0	134.6	2.2	1.2	0.0	136.8	6	
5	0	180	1	-1	0	0	0	58.4	2.4	1.2	0.0	60.8	6	
6	0	287	1	-0	0	0	0	93.2	3.9	1.3	0.0	97.0	6	
7	0	302	1	-0	0	0	0	98.1	1.5	0.8	0.0	99.6	6	
8	0	478	1	-0	0	0	0	155.2	2.1	0.8	0.0	157.2	6	
9	0	160	1	-0	0	0	0	51.8	2.3	0.8	0.0	54.1	6	
10	0	292	2	-2	0	0	0	94.9	4.2	1.9	0.0	99.1	6	
11	0	259	1	-1	0	0	0	84.0	2.0	1.2	0.0	86.0	6	
12	0	378	1	-1	0	0	0	122.7	2.3	1.2	0.0	125.0	6	
13	0	227	1	-1	0	0	0	73.8	2.5	1.2	0.0	76.3	6	
14	0	316	2	-0	0	0	0	102.7	3.9	1.4	0.0	106.6	6	
15	0	320	1	-0	0	0	0	104.0	1.5	0.8	0.0	105.5	6	
16	0	458	1	-0	0	0	0	148.8	2.0	0.8	0.0	150.8	6	
17	0	276	1	-0	0	0	0	89.5	2.3	0.8	0.0	91.9	6	
1A	43	175	-0	0	0	0	0	56.7	14.8	0.0	0.0	71.5	6	
1E	43	182	-0	0	0	0	0	59.1	14.8	0.0	0.0	73.9	6	
1I	43	176	-0	0	0	0	0	57.0	14.8	0.1	0.0	71.8	6	
1M	43	181	-0	0	0	0	0	58.8	14.8	0.1	0.0	73.6	6	
2	43	313	-0	0	0	0	0	101.6	38.9	0.1	0.0	140.5	1	
3	43	272	-0	0	0	0	0	88.3	23.9	0.1	0.0	112.2	1	
4	43	414	-0	0	0	0	0	134.4	24.1	0.1	0.0	158.5	1	
5	43	179	-0	0	0	0	0	58.2	24.3	0.1	0.0	82.5	1	
6	43	287	-0	0	0	0	0	93.2	25.4	0.1	0.0	118.6	6	
7	43	302	-0	0	0	0	0	98.1	15.1	0.0	0.0	113.2	6	
8	43	478	-0	0	0	0	0	155.2	15.6	0.0	0.0	170.8	6	
9	43	160	-0	0	0	0	0	51.8	15.8	0.0	0.0	67.6	6	
10	43	291	-0	0	0	0	0	94.6	39.1	0.1	0.0	133.6	1	
11	43	258	-0	0	0	0	0	83.8	24.0	0.1	0.0	107.8	1	
12	43	377	-0	0	0	0	0	122.5	24.2	0.1	0.0	146.6	1	
13	43	227	-0	0	0	0	0	73.6	24.4	0.1	0.0	98.0	1	
14	43	316	-0	0	0	0	0	102.7	26.7	0.1	0.0	129.4	6	
15	43	320	-0	0	0	0	0	104.0	15.0	0.0	0.0	119.0	6	
16	43	458	-0	0	0	0	0	148.8	15.5	0.0	0.0	164.3	6	
17	43	276	-0	0	0	0	0	89.5	15.8	0.0	0.0	105.4	6	
1A	87	175	-1	0	0	-0	-0	56.8	0.8	1.0	0.0	57.6	6	
1E	87	182	-1	0	0	-0	-0	59.2	0.8	1.0	0.0	60.0	6	
1I	87	176	-1	0	0	-0	-0	57.1	0.9	1.0	0.0	58.0	6	
1M	87	181	-1	0	0	-0	-0	58.9	0.9	1.0	0.0	59.8	6	
2	87	312	-2	2	0	-0	-0	101.2	1.8	1.9	0.0	103.1	6	
3	87	271	-1	1	0	-0	-0	88.1	1.6	1.2	0.0	89.7	6	
4	87	413	-1	1	0	-0	-0	134.2	1.3	1.2	0.0	135.5	6	
5	87	179	-1	1	0	-0	-0	58.0	1.1	1.2	0.0	59.1	6	
6	87	287	-2	1	0	-0	-0	93.2	1.0	1.5	0.0	94.2	6	
7	87	302	-1	0	0	-0	-0	98.1	1.3	0.9	0.0	99.4	6	
8	87	478	-1	0	0	-0	-0	155.2	0.8	0.9	0.0	156.0	6	
9	87	160	-1	0	0	0	-0	51.8	0.7	0.9	0.0	52.5	6	
10	87	290	-2	2	0	-0	-0	94.2	1.7	1.9	0.0	96.0	6	
11	87	258	-1	1	0	-0	-0	83.6	1.5	1.2	0.0	85.1	6	
12	87	377	-1	1	0	-0	-0	122.2	1.3	1.2	0.0	123.5	6	
13	87	226	-1	1	0	-0	-0	73.4	1.1	1.2	0.0	74.4	6	
14	87	316	-2	1	0	-0	-0	102.7	1.3	1.6	0.0	104.0	6	
15	87	320	-1	0	0	-0	-0	104.0	1.4	0.9	0.0	105.4	6	
16	87	458	-1	0	0	-0	-0	148.8	0.9	0.9	0.0	149.7	6	
17	87	276	-1	0	0	0	-0	89.5	0.8	0.9	0.0	90.3	6	

ASTA NUM. 202 NI 138 NF 202 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6808	0.1702	--	--	2.3152	3.1661 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	69	1	0	0	0	-0	22.5	5.1	1.0	0.0	27.6	6	
1E	0	79	1	0	0	0	-0	25.7	5.1	1.0	0.0	30.9	6	
1I	0	73	1	0	0	0	-0	23.6	5.0	1.0	0.0	28.6	6	
1M	0	76	1	0	0	0	-0	24.6	5.0	1.0	0.0	29.6	6	
2	0	42	2	2	0	0	-0	13.6	8.6	2.0	0.0	22.2	6	
3	0	-120	1	1	0	0	-0	39.0	4.6	1.2	0.0	43.5	6	
4	0	-255	1	1	0	0	-0	82.6	5.0	1.2	0.0	87.6	6	
5	0	148	1	1	0	0	-0	48.1	5.2	1.2	0.0	53.3	6	
6	0	167	2	1	0	0	-0	54.3	8.5	1.5	0.0	62.8	6	
7	0	-111	1	0	0	0	-0	35.9	4.1	1.0	0.0	40.0	6	
8	0	-261	1	0	0	0	-0	84.7	4.9	1.0	0.0	89.6	6	
9	0	269	1	0	0	0	-0	87.4	5.1	1.0	0.0	92.5	6	
10	0	275	2	2	0	0	-0	89.3	8.6	2.0	0.0	97.9	6	
11	0	35	1	1	0	0	-0	11.4	4.5	1.2	0.0	15.9	6	
12	0	-83	1	1	0	0	-0	27.0	5.0	1.2	0.0	32.0	6	
13	0	186	1	1	0	0	-0	60.3	5.3	1.2	0.0	65.6	6	
14	0	353	2	1	0	0	-0	114.5	8.1	1.6	0.0	122.6	6	
15	0	14	1	0	0	0	-0	4.4	3.7	1.0	0.0	8.1	6	
16	0	-104	1	0	0	0	-0	33.7	4.5	1.0	0.0	38.2	6	
17	0	204	1	0	0	0	-0	66.2	4.9	1.0	0.0	71.0	6	
1A	43	70	0	0	0	0	0	22.6	12.4	0.1	0.0	35.0	6	
1E	43	80	0	0	0	0	0	25.8	12.4	0.1	0.0	38.2	6	
1I	43	73	0	0	0	0	0	23.7	12.5	0.1	0.0	36.2	6	
1M	43	76	0	0	0	0	0	24.7	12.5	0.1	0.0	37.2	6	
2	43	41	0	0	0	-0	0	13.3	36.0	0.2	0.0	49.2	1	
3	43	-121	0	0	0	-0	0	39.2	23.0	0.1	0.0	62.1	1	
4	43	-255	0	0	0	-0	0	82.9	22.6	0.1	0.0	105.5	1	
5	43	147	0	0	0	-0	0	47.9	22.5	0.1	0.0	70.4	1	
6	43	167	0	0	0	-0	0	54.4	20.3	0.1	0.0	74.6	6	
7	43	-111	0	0	0	-0	0	35.9	13.6	0.1	0.0	49.5	6	
8	43	-261	0	0	0	-0	0	84.7	13.0	0.1	0.0	97.7	6	
9	43	269	0	0	0	-0	0	87.4	12.8	0.1	0.0	100.2	6	
10	43	274	0	0	0	-0	0	89.0	36.0	0.1	0.0	125.0	1	
11	43	34	0	0	0	-0	0	11.2	23.0	0.1	0.0	34.1	1	
12	43	-84	0	0	0	-0	0	27.2	22.6	0.1	0.0	49.9	1	
13	43	185	0	0	0	-0	0	60.1	22.5	0.1	0.0	82.6	1	
14	43	353	0	0	0	-0	0	114.6	22.0	0.1	0.0	136.6	6	
15	43	14	0	0	0	-0	0	4.4	13.9	0.1	0.0	18.3	6	
16	43	-104	0	0	0	-0	0	33.7	13.3	0.1	0.0	47.0	6	
17	43	204	0	0	0	-0	0	66.2	13.0	0.1	0.0	79.1	6	
1A	87	70	-1	0	0	-0	-0	22.7	0.3	0.8	0.0	23.0	1	
1E	87	80	-1	0	0	-0	-0	25.9	0.3	0.8	0.0	26.3	1	
1I	87	73	-1	0	0	-0	-0	23.8	0.4	0.9	0.0	24.2	1	
1M	87	76	-1	0	0	-0	-0	24.8	0.4	0.9	0.0	25.2	1	
2	87	40	-2	-2	0	-0	0	12.9	1.9	1.8	0.0	14.8	6	
3	87	-121	-1	-1	0	-0	0	39.4	1.6	1.1	0.0	41.0	6	
4	87	-256	-1	-1	0	-0	0	83.1	1.4	1.1	0.0	84.5	6	
5	87	147	-1	-1	0	-0	0	47.7	1.3	1.1	0.0	48.9	6	
6	87	168	-1	-0	0	-0	0	54.4	1.2	1.3	0.0	55.5	6	
7	87	-111	-1	-0	0	-0	0	35.9	1.4	0.8	0.0	37.3	6	
8	87	-261	-1	-0	0	-0	0	84.7	0.9	0.8	0.0	85.7	6	
9	87	269	-1	-0	0	-0	0	87.4	0.8	0.8	0.0	88.2	6	
10	87	273	-2	-2	0	-0	0	88.6	1.9	1.8	0.0	90.5	6	
11	87	34	-1	-1	0	-0	0	11.0	1.6	1.1	0.0	12.6	6	
12	87	-85	-1	-1	0	-0	0	27.5	1.4	1.1	0.0	28.9	6	
13	87	185	-1	-1	0	-0	0	59.9	1.2	1.1	0.0	61.1	6	
14	87	353	-1	-0	0	-0	0	114.6	1.4	1.4	0.0	116.0	6	
15	87	14	-1	-0	0	-0	0	4.4	1.5	0.8	0.0	5.9	6	
16	87	-104	-1	-0	0	-0	0	33.7	1.1	0.8	0.0	34.8	6	
17	87	204	-1	-0	0	-0	0	66.2	0.8	0.8	0.0	67.0	6	

ASTA NUM. 203 NI 138 NF 203 Lungh. 86.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.6808	0.1702	--	--	2.3152	3.1661 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	164	1	-0	0	-0	-0	53.1	5.2	1.0	0.0	58.4	6	
1E	0	174	1	-0	0	-0	-0	56.4	5.2	1.0	0.0	61.6	6	
1I	0	167	1	-0	0	-0	-0	54.2	5.1	1.0	0.0	59.3	6	
1M	0	170	1	-0	0	-0	-0	55.2	5.1	1.0	0.0	60.3	6	
2	0	287	2	-2	0	-0	-0	93.2	8.9	2.0	0.0	102.2	6	
3	0	233	1	-1	0	-0	-0	75.5	5.5	1.2	0.0	81.0	6	
4	0	355	1	-1	0	-0	-0	115.3	5.5	1.2	0.0	120.7	6	
5	0	260	1	-1	0	-0	-0	84.4	5.5	1.2	0.0	89.8	6	
6	0	289	2	-1	0	-0	-0	93.9	8.7	1.5	0.0	102.6	6	
7	0	276	1	-0	0	-0	-0	89.4	5.3	1.0	0.0	94.8	6	
8	0	429	1	-0	0	-0	-0	139.4	5.3	1.0	0.0	144.7	6	
9	0	288	1	-0	0	-0	-0	93.6	5.3	1.0	0.0	98.9	6	
10	0	401	2	-2	0	-0	-0	130.3	8.8	2.0	0.0	139.1	6	

11	0	313	1	-1	0	-0	-0	101.7	5.4	1.2	0.0	107.1	6
12	0	410	1	-1	0	-0	-0	133.1	5.4	1.2	0.0	138.5	6
13	0	356	1	-1	0	-0	-0	115.4	5.4	1.2	0.0	120.9	6
14	0	475	2	-1	0	-0	-0	154.1	8.3	1.6	0.0	162.4	6
15	0	400	1	-0	0	-0	-0	129.8	4.9	0.9	0.0	134.7	6
16	0	519	1	-0	0	-0	-0	168.3	5.0	1.0	0.0	173.4	6
17	0	437	1	-0	0	-0	-0	141.9	5.0	1.0	0.0	146.9	6
1A	43	164	0	-0	0	-0	0	53.2	12.2	0.1	0.0	65.5	6
1E	43	174	0	-0	0	-0	0	56.4	12.2	0.1	0.0	68.7	6
1I	43	167	0	-0	0	-0	0	54.3	12.3	0.1	0.0	66.6	6
1M	43	170	0	-0	0	-0	0	55.3	12.3	0.1	0.0	67.6	6
2	43	286	0	-0	0	0	0	92.9	35.8	0.1	0.0	128.6	1
3	43	232	0	-0	0	0	0	75.3	22.2	0.1	0.0	97.5	1
4	43	354	0	-0	0	0	0	115.0	22.4	0.1	0.0	137.5	1
5	43	259	0	-0	0	0	0	84.1	22.4	0.1	0.0	106.6	1
6	43	289	0	-0	0	0	0	93.9	20.0	0.1	0.0	113.9	6
7	43	276	0	-0	0	0	0	89.4	12.2	0.1	0.0	101.7	6
8	43	429	0	-0	0	0	0	139.4	12.5	0.1	0.0	151.9	6
9	43	288	0	-0	0	0	0	93.6	12.6	0.1	0.0	106.2	6
10	43	400	0	-0	0	0	0	130.0	35.9	0.1	0.0	165.9	1
11	43	313	0	-0	0	0	0	101.5	22.3	0.1	0.0	123.8	1
12	43	409	0	-0	0	0	0	132.9	22.4	0.1	0.0	155.3	1
13	43	355	0	-0	0	0	0	115.2	22.5	0.1	0.0	137.7	1
14	43	475	0	-0	0	0	0	154.1	21.7	0.1	0.0	175.8	6
15	43	400	0	-0	0	0	0	129.8	12.5	0.1	0.0	142.3	6
16	43	519	0	-0	0	0	0	168.4	12.7	0.1	0.0	181.0	6
17	43	437	0	-0	0	0	0	141.9	12.8	0.1	0.0	154.7	6
1A	87	164	-1	-0	0	0	-0	53.3	0.3	0.9	0.0	53.6	1
1E	87	174	-1	-0	0	0	-0	56.5	0.3	0.9	0.0	56.8	1
1I	87	168	-1	-0	0	0	-0	54.4	0.3	0.9	0.0	54.7	1
1M	87	171	-1	-0	0	0	-0	55.4	0.3	0.9	0.0	55.7	1
2	87	285	-2	2	0	0	0	92.5	1.5	1.8	0.0	94.0	6
3	87	231	-1	1	0	0	0	75.1	0.5	1.1	0.0	75.6	6
4	87	354	-1	1	0	0	0	114.8	0.8	1.1	0.0	115.7	6
5	87	259	-1	1	0	0	0	83.9	0.9	1.1	0.0	84.8	6
6	87	289	-1	0	0	0	0	93.9	0.8	1.3	0.0	94.8	6
7	87	276	-1	0	0	0	-0	89.4	0.1	0.8	0.0	89.6	6
8	87	429	-1	0	0	0	0	139.4	0.4	0.8	0.0	139.8	6
9	87	288	-1	0	0	0	0	93.6	0.5	0.8	0.0	94.1	6
10	87	399	-2	2	0	0	0	129.6	1.7	1.8	0.0	131.3	6
11	87	312	-1	1	0	0	0	101.3	0.6	1.1	0.0	101.9	6
12	87	409	-1	1	0	0	0	132.7	0.9	1.1	0.0	133.5	6
13	87	354	-1	1	0	0	0	115.0	1.0	1.1	0.0	116.0	6
14	87	475	-1	0	0	0	0	154.1	1.1	1.4	0.0	155.2	6
15	87	400	-1	0	0	0	-0	129.8	0.2	0.8	0.0	130.0	1
16	87	519	-1	0	0	0	0	168.4	0.5	0.8	0.0	168.9	1
17	87	437	-1	0	0	0	0	141.9	0.7	0.8	0.0	142.6	1

ASTA NUM. 204 NI 126 NF 203 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1600	0.5400	--	--	8.5659	11.2659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	11309	9	-1	0	-0	-2	927.0	13.7	2.1	0.0	940.7	6	
1E	0	11371	9	-1	0	-0	-2	932.0	13.7	2.1	0.0	945.7	6	
1I	0	11284	8	-1	0	-0	-2	924.9	13.0	2.0	0.0	938.0	6	
1M	0	11396	8	-1	0	-0	-2	934.1	13.0	2.0	0.0	947.1	6	
2	0	15080	17	-2	0	-1	-3	1236.1	25.6	3.9	0.0	1261.7	6	
3	0	8699	10	-1	0	-0	-2	713.0	15.7	2.4	0.0	728.7	6	
4	0	8001	10	-1	0	-0	-2	655.8	15.3	2.4	0.0	671.1	6	
5	0	9249	10	-1	0	-0	-2	758.1	15.3	2.4	0.0	773.4	6	
6	0	19250	14	-1	0	-0	-3	1577.9	23.2	3.4	0.0	1601.1	6	
7	0	11300	9	-1	0	-0	-2	926.2	14.2	2.1	0.0	940.4	6	
8	0	10510	9	-1	0	-0	-2	861.5	13.7	2.1	0.0	875.2	6	
9	0	11910	9	-0	0	-0	-2	976.2	13.5	2.1	0.0	989.7	6	
10	0	17940	17	-2	0	-1	-3	1470.5	25.9	4.0	0.0	1496.4	6	
11	0	10520	10	-1	0	-0	-2	862.3	15.9	2.4	0.0	878.2	6	
12	0	9864	10	-1	0	-0	-2	808.5	15.6	2.4	0.0	824.1	6	
13	0	10170	11	-1	0	-0	-2	833.6	15.5	2.5	0.0	849.1	6	
14	0	21240	15	-1	0	-0	-3	1741.0	23.1	3.5	0.0	1764.1	6	
15	0	12570	9	-1	0	-0	-2	1030.3	13.7	2.0	0.0	1044.1	6	
16	0	11890	9	-1	0	-0	-2	974.6	13.4	2.0	0.0	988.0	6	
17	0	11650	9	-0	0	-0	-2	954.9	13.0	2.1	0.0	967.9	6	
1A	28	11309	6	-1	0	-0	0	927.0	2.2	1.5	0.0	929.2	6	
1E	28	11371	6	-1	0	-0	0	932.0	2.2	1.5	0.0	934.3	6	
1I	28	11284	6	-1	0	-0	0	924.9	2.1	1.4	0.0	927.1	6	
1M	28	11396	6	-1	0	-0	0	934.1	2.1	1.4	0.0	936.2	6	
2	28	15080	13	-2	0	-0	1	1236.1	5.9	2.9	0.0	1242.0	6	
3	28	8699	8	-1	0	-0	0	713.0	3.7	1.8	0.0	716.8	6	
4	28	8000	8	-1	0	-0	0	655.8	3.7	1.8	0.0	659.5	6	
5	28	9249	8	-1	0	-0	0	758.1	3.6	1.8	0.0	761.7	6	
6	28	19250	11	-1	0	-0	0	1577.9	3.5	2.5	0.0	1581.3	6	
7	28	11300	7	-1	0	-0	0	926.2	2.2	1.5	0.0	928.4	6	
8	28	10515	7	-1	0	-0	0	861.9	2.2	1.5	0.0	864.1	6	
9	28	11910	7	-0	0	0	0	976.2	2.5	1.6	0.0	978.7	6	
10	28	17940	13	-2	0	-0	1	1470.5	6.1	3.0	0.0	1476.6	6	
11	28	10520	8	-1	0	-0	0	862.3	3.9	1.8	0.0	866.2	6	
12	28	9864	8	-1	0	-0	0	808.5	3.8	1.8	0.0	812.3	6	
13	28	10170	8	-1	0	-0	1	833.6	3.6	1.8	0.0	837.3	6	
14	28	21240	11	-1	0	-0	1	1741.0	4.4	2.6	0.0	1745.3	6	
15	28	12570	6	-1	0	-0	0	1030.3	2.5	1.5	0.0	1032.8	6	
16	28	11890	6	-1	0	-0	0	974.6	2.4	1.5	0.0	977.0	6	
17	28	11650	7	-0	0	0	0	954.9	2.7	1.5	0.0	957.7	6	
1A	56	11309	4	-1	0	0	2	927.0	13.1	0.9	0.0	940.1	6	
1E	56	11371	4	-1	0	0	2	932.0	13.1	0.9	0.0	945.1	6	
1I	56	11284	4	-1	0	0	2	924.9	12.3	0.9	0.0	937.3	6	
1M	56	11396	4	-1	0	0	2	934.1	12.3	0.9	0.0	946.4	6	
2	56	15080	8	-2	0	0	4	1236.1	26.8	1.9	0.0	1262.9	6	
3	56	8699	5	-1	0	0	2	713.0	16.3	1.2	0.0	729.4	6	
4	56	8000	5	-1	0	0	2	655.7	16.3	1.2	0.0	672.1	6	
5	56	9249	5	-1	0	0	2	758.1	16.8	1.2	0.0	775.0	6	
6	56	19250	7	-1	0	0	3	1577.9	22.1	1.7	0.0	1600.0	6	
7	56	11300	4	-1	0	0	2	926.2	13.3	1.0	0.0	939.5	6	
8	56	10520	4	-1	0	0	2	862.3	13.4	1.0	0.0	875.7	6	
9	56	11910	4	-0	0	0	2	976.2	14.0	1.0	0.0	990.3	6	
10	56	17940	9	-2	0	0	4	1470.5	27.6	2.0	0.0	1498.1	6	
11	56	10520	5	-1	0	0	2	862.3	16.8	1.2	0.0	879.1	6	
12	56	9863	5	-1	0	0	2	808.4	16.8	1.2	0.0	825.2	6	
13	56	10170	5	-1	0	0	2	833.6	17.2	1.2	0.0	850.8	6	
14	56	21240	7	-1	0	0	3	1741.0	23.4	1.7	0.0	1764.4	6	
15	56	12570	4	-1	0	0	2	1030.3	13.5	1.0	0.0	1043.8	6	
16	56	11890	4	-1	0	0	2	974.6	13.6	1.0	0.0	988.2	6	
17	56	11650	4	-0	0	0	2	954.9	14.0	1.0	0.0	969.0	6	

ASTA NUM. 205 NI 203 NF 141 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1600	0.5400	--	--	8.5659	11.2659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	11365	1	1	0	0	2	931.5	13.8	0.2	0.0	945.3	6	
1E	0	11435	1	1	0	0	2	937.3	13.8	0.2	0.0	951.1	6	
1I	0	11345	1	1	0	0	2	929.9	14.5	0.2	0.0	944.4	6	
1M	0	11455	1	1	0	0	2	938.9	14.5	0.2	0.0	953.5	6	
2	0	15210	-0	1	0	0	4	1246.7	26.6	0.3	0.0	1273.3	6	
3	0	8896	-1	1	0	0	2	729.2	16.1	0.2	0.0	745.3	6	
4	0	8351	-1	1	0	0	2	684.5	16.2	0.1	0.0	700.7	6	
5	0	9369	-0	1	0	0	2	768.0	16.7	0.1	0.0	784.6	6	
6	0	19330	2	1	0	0	3	1584.4	21.9	0.4	0.0	1606.3	6	
7	0	11530	1	1	0	0	2	945.1	13.0	0.3	0.0	958.1	6	
8	0	10930	1	1	0	0	2	895.9	13.3	0.2	0.0	909.2	6	
9	0	12010	1	1	0	0	2	984.4	13.9	0.2	0.0	998.3	6	
10	0	18080	-0	1	0	0	4	1482.0	27.4	0.3	0.0	1509.4	6	
11	0	10730	-0	1	0	0	2	879.5	16.6	0.2	0.0	896.1	6	
12	0	10200	-0	1	0	0	2	836.1	16.6	0.2	0.0	852.7	6	
13	0	10350	-0	1	0	0	2	848.4	17.1	0.2	0.0	865.4	6	
14	0	21420	1	2	0	0	3	1755.7	23.2	0.4	0.0	1778.9	6	
15	0	12870	1	1	0	0	2	1054.9	13.3	0.3	0.0	1068.2	6	
16	0	12330	1	1	0	0	2	1010.7	13.4	0.2	0.0	1024.1	6	
17	0	11910	1	1	0	0	2	976.2	13.9	0.2	0.0	990.1	6	
1A	28	11365	-1	1	0	-0	2	931.5	12.9	0.4	0.0	944.4	6	
1E	28	11435	-1	1	0	-0	2	937.3	12.9	0.4	0.0	950.2	6	
1I	28	11345	-2	1	0	-0	2	929.9	13.1	0.4	0.0	943.0	6	
1M	28	11455	-2	1	0	-0	2	938.9	13.1	0.4	0.0	952.0	6	
2	28	15210	-5	1	0	-0	3	1246.7	21.0	1.1	0.0	1267.7	6	
3	28	8896	-3	1	0	-0	2	729.1	12.4	0.7	0.0	741.5	6	
4	28	8351	-3	1	0	-0	2	684.5	12.2	0.7	0.0	696.7	6	
5	28	9369	-3	1	0	-0	2	768.0	12.9	0.7	0.0	780.9	6	
6	28	19330	-2	1	0	-0	3	1584.4	21.4	0.4	0.0	1605.8	6	
7	28	11530	-1	1	0	-0	2	945.1	12.5	0.3	0.0	957.6	6	
8	28	10930	-1	1	0	-0	2	895.9	12.4	0.3	0.0	908.3	6	
9	28	12010	-1	1	0	-0	2	984.4	13.3	0.3	0.0	997.7	6	
10	28	18080	-5	1	0	-0	3	1482.0	22.2	1.1	0.0	1504.2	6	
11	28	10730	-3	1	0	-0	2	879.5	13.2	0.7	0.0	892.7	6	
12	28	10200	-3	1	0	-0	2	836.1	12.9	0.7	0.0	849.0	6	
13	28	10350	-3	1	0	-0	2	848.4	13.6	0.7	0.0	861.9	6	
14	28	21425	-2	2	0	-0	3	1756.1	21.8	0.5	0.0	1778.0	6	
15	28	12870	-1	1	0	-0	2	1054.9	12.6	0.3	0.0	1067.5	6	
16	28	12330	-1	1	0	-0	2	1010.7	12.4	0.3	0.0	1023.1	6	
17	28	11910	-1	1	0	-0	2	976.2	13.1	0.3	0.0	989.3	6	

1A	56	11365	-4	1	0	-0	1	931.5	8.1	0.9	0.0	939.7	6
1E	56	11435	-4	1	0	-0	1	937.3	8.1	0.9	0.0	945.5	6
1I	56	11345	-4	1	0	-0	1	929.9	7.8	1.0	0.0	937.8	6
1M	56	11455	-4	1	0	-0	1	938.9	7.8	1.0	0.0	946.8	6
2	56	15210	-9	1	0	-0	1	1246.7	8.1	2.1	0.0	1254.9	6
3	56	8895	-6	1	0	-0	0	729.1	4.0	1.4	0.0	733.1	6
4	56	8351	-6	1	0	-0	0	684.5	3.5	1.4	0.0	688.0	6
5	56	9369	-6	1	0	-0	1	768.0	4.7	1.3	0.0	772.7	6
6	56	19330	-5	1	0	-1	2	1584.4	15.3	1.3	0.0	1599.7	6
7	56	11530	-4	1	0	-0	1	945.1	8.3	0.8	0.0	953.4	6
8	56	10930	-4	1	0	-0	1	895.9	7.9	0.8	0.0	903.8	6
9	56	12010	-3	1	0	-0	1	984.4	9.2	0.8	0.0	993.7	6
10	56	18080	-9	1	0	-0	1	1482.0	10.0	2.1	0.0	1491.9	6
11	56	10730	-6	1	0	-0	1	879.5	5.2	1.3	0.0	884.7	6
12	56	10200	-6	1	0	-0	1	836.1	4.7	1.3	0.0	840.7	6
13	56	10350	-6	1	0	-0	1	848.4	5.7	1.3	0.0	854.0	6
14	56	21430	-6	2	0	-1	2	1756.6	14.5	1.4	0.0	1771.1	6
15	56	12870	-4	1	0	-0	1	1054.9	8.3	0.9	0.0	1063.2	6
16	56	12330	-4	1	0	-0	1	1010.7	7.9	0.9	0.0	1018.6	6
17	56	11910	-4	1	0	-0	1	976.2	8.9	0.8	0.0	985.1	6

ASTA NUM. 206 NI 128 NF 202 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1600	0.5400	--	--	8.5659	11.2659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	11469	9	1	0	0	-2	940.1	13.7	2.1	0.0	953.8	6	
1E	0	11531	9	1	0	0	-2	945.1	13.7	2.1	0.0	958.8	6	
1I	0	11444	8	1	0	0	-2	938.1	13.1	2.0	0.0	951.2	6	
1M	0	11556	8	1	0	0	-2	947.2	13.1	2.0	0.0	960.3	6	
2	0	14970	17	2	0	1	-3	1227.0	25.4	3.9	0.0	1252.4	6	
3	0	5761	10	1	0	0	-2	472.2	13.7	2.3	0.0	485.9	6	
4	0	7799	10	1	0	0	-2	639.3	15.1	2.4	0.0	654.4	6	
5	0	11470	10	1	0	1	-2	940.2	16.8	2.4	0.0	956.9	6	
6	0	19190	14	1	0	1	-3	1573.0	23.0	3.3	0.0	1595.9	6	
7	0	6793	8	1	0	0	-2	556.8	11.3	1.9	0.0	568.1	6	
8	0	10200	9	1	0	0	-2	836.1	13.5	2.0	0.0	849.6	6	
9	0	14990	9	1	0	1	-2	1228.7	15.7	2.1	0.0	1244.4	6	
10	0	18160	17	2	0	1	-3	1488.5	25.8	4.0	0.0	1514.3	6	
11	0	7794	10	1	0	0	-2	638.9	14.0	2.3	0.0	652.9	6	
12	0	9947	10	1	0	0	-2	815.3	15.5	2.4	0.0	830.8	6	
13	0	13140	11	1	0	1	-2	1077.0	16.9	2.5	0.0	1094.0	6	
14	0	21180	15	1	0	1	-3	1736.1	22.9	3.5	0.0	1759.0	6	
15	0	8065	8	1	0	0	-1	661.1	10.8	1.9	0.0	671.9	6	
16	0	11700	9	1	0	0	-2	959.0	13.2	2.0	0.0	972.2	6	
17	0	15620	9	1	0	1	-2	1280.3	15.0	2.1	0.0	1295.3	6	
1A	28	11474	6	1	0	0	0	940.5	2.4	1.5	0.0	942.9	6	
1E	28	11536	6	1	0	0	0	945.5	2.4	1.5	0.0	947.9	6	
1I	28	11449	6	1	0	0	0	938.5	2.3	1.4	0.0	940.8	6	
1M	28	11561	6	1	0	0	0	947.6	2.3	1.4	0.0	949.9	6	
2	28	14970	12	2	0	0	1	1227.0	6.2	2.9	0.0	1233.3	6	
3	28	5761	7	1	0	0	1	472.2	4.5	1.7	0.0	476.7	6	
4	28	7799	7	1	0	0	1	639.3	4.1	1.7	0.0	643.4	6	
5	28	11470	8	1	0	0	0	940.2	3.7	1.8	0.0	943.9	6	
6	28	19190	11	1	0	0	0	1573.0	3.7	2.5	0.0	1576.6	6	
7	28	6794	6	1	0	0	0	556.9	3.2	1.4	0.0	560.1	6	
8	28	10200	6	1	0	0	0	836.1	2.6	1.5	0.0	838.7	6	
9	28	14990	7	1	0	0	0	1228.7	2.1	1.6	0.0	1230.8	6	
10	28	18160	13	2	0	0	1	1488.5	6.3	3.0	0.0	1494.9	6	
11	28	7794	7	1	0	0	1	638.9	4.6	1.7	0.0	643.4	6	
12	28	9947	8	1	0	0	1	815.3	4.2	1.8	0.0	819.5	6	
13	28	13140	8	1	0	0	0	1077.0	3.8	1.8	0.0	1080.9	6	
14	28	21180	11	1	0	0	1	1736.1	4.6	2.6	0.0	1740.6	6	
15	28	8066	6	1	0	0	0	661.1	3.5	1.3	0.0	664.7	6	
16	28	11700	6	1	0	0	0	959.0	2.9	1.5	0.0	961.9	6	
17	28	15620	7	1	0	0	0	1280.3	2.5	1.5	0.0	1282.8	6	
1A	56	11479	4	1	0	-0	2	940.9	13.0	0.9	0.0	953.9	6	
1E	56	11541	4	1	0	-0	2	946.0	13.0	0.9	0.0	959.0	6	
1I	56	11454	4	1	0	-0	2	938.9	12.2	0.9	0.0	951.1	6	
1M	56	11566	4	1	0	-0	2	948.0	12.2	0.9	0.0	960.3	6	
2	56	14970	8	2	0	-0	4	1227.0	26.7	1.9	0.0	1253.8	6	
3	56	5761	4	1	0	-0	2	472.2	16.0	1.0	0.0	488.2	6	
4	56	7799	5	1	0	-0	2	639.3	16.2	1.1	0.0	655.5	6	
5	56	11470	5	1	0	-0	2	940.2	16.3	1.2	0.0	956.5	6	
6	56	19190	7	1	0	-0	3	1573.0	22.0	1.7	0.0	1595.0	6	
7	56	6795	4	1	0	-0	2	557.0	12.7	0.8	0.0	569.7	6	
8	56	10200	4	1	0	-0	2	836.1	13.2	1.0	0.0	849.3	6	
9	56	14990	5	1	0	-0	2	1228.7	13.4	1.1	0.0	1242.1	6	
10	56	18160	8	2	0	-0	4	1488.5	27.6	2.0	0.0	1516.1	6	
11	56	7794	5	1	0	-0	2	638.9	16.5	1.1	0.0	655.3	6	
12	56	9947	5	1	0	-0	2	815.3	16.8	1.2	0.0	832.1	6	
13	56	13140	5	1	0	-0	2	1077.0	16.7	1.2	0.0	1093.8	6	
14	56	21180	7	1	0	-0	3	1736.1	23.3	1.7	0.0	1759.3	6	
15	56	8067	3	1	0	-0	2	661.2	13.0	0.8	0.0	674.2	6	
16	56	11700	4	1	0	-0	2	959.0	13.5	1.0	0.0	972.5	6	
17	56	15620	4	1	0	-0	2	1280.3	13.4	1.0	0.0	1293.8	6	

ASTA NUM. 207 NI 202 NF 143 Lungh. 55.9 cm SEZ. 14 Ps L 90X 7

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1600	0.5400	--	--	8.5659	11.2659 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	11405	1	-1	0	-0	2	934.8	13.7	0.2	0.0	948.5	6	
1E	0	11475	1	-1	0	-0	2	940.6	13.7	0.2	0.0	954.3	6	
1I	0	11385	1	-1	0	-0	2	933.2	14.5	0.2	0.0	947.7	6	
1M	0	11495	1	-1	0	-0	2	942.2	14.5	0.2	0.0	956.7	6	
2	0	14790	-1	-1	0	-0	4	1212.3	26.5	0.2	0.0	1238.8	6	
3	0	5504	-1	-0	0	-0	2	451.1	15.9	0.2	0.0	467.1	6	
4	0	7364	-1	-1	0	-0	2	603.6	16.1	0.2	0.0	619.7	6	
5	0	11440	-0	-1	0	-0	2	937.7	16.2	0.2	0.0	953.9	6	
6	0	19110	2	-1	0	-0	3	1566.4	21.8	0.4	0.0	1588.2	6	
7	0	6529	0	-0	0	-0	2	535.2	12.7	0.1	0.0	547.9	6	
8	0	9726	1	-1	0	-0	2	797.2	13.1	0.2	0.0	810.3	6	
9	0	15060	1	-1	0	-0	2	1234.4	13.3	0.3	0.0	1247.7	6	
10	0	18140	-0	-1	0	-0	4	1486.9	27.3	0.3	0.0	1514.2	6	
11	0	7646	-1	-0	0	-0	2	626.7	16.4	0.2	0.0	643.1	6	
12	0	9646	-0	-1	0	-0	2	790.7	16.7	0.2	0.0	807.3	6	
13	0	13110	-0	-1	0	-0	2	1074.6	16.6	0.2	0.0	1091.2	6	
14	0	21210	1	-2	0	-0	3	1738.5	23.1	0.4	0.0	1761.6	6	
15	0	7869	0	-0	0	-0	2	645.0	13.0	0.1	0.0	658.0	6	
16	0	11340	1	-1	0	-0	2	929.5	13.4	0.2	0.0	942.9	6	
17	0	15570	1	-1	0	-0	2	1276.2	13.3	0.3	0.0	1289.6	6	
1A	28	11405	-2	-1	0	0	2	934.8	12.8	0.4	0.0	947.6	6	
1E	28	11475	-2	-1	0	0	2	940.6	12.8	0.4	0.0	953.3	6	
1I	28	11385	-2	-1	0	0	2	933.2	13.0	0.4	0.0	946.2	6	
1M	28	11495	-2	-1	0	0	2	942.2	13.0	0.4	0.0	955.2	6	
2	28	14790	-5	-1	0	0	3	1212.3	20.7	1.1	0.0	1233.0	6	
3	28	5504	-4	-0	0	-0	2	451.1	11.0	0.9	0.0	462.1	6	
4	28	7364	-3	-1	0	0	2	603.6	12.0	0.8	0.0	615.6	6	
5	28	11440	-3	-1	0	0	2	937.7	12.7	0.7	0.0	950.4	6	
6	28	19110	-2	-1	0	0	3	1566.4	21.1	0.4	0.0	1587.5	6	
7	28	6530	-2	-0	0	-0	1	535.2	10.5	0.5	0.0	545.7	6	
8	28	9727	-2	-1	0	0	2	797.3	12.1	0.4	0.0	809.4	6	
9	28	15060	-1	-1	0	0	2	1234.4	13.2	0.3	0.0	1247.6	6	
10	28	18140	-5	-1	0	0	3	1486.9	22.1	1.1	0.0	1509.0	6	
11	28	7646	-4	-0	0	0	2	626.7	11.7	0.8	0.0	638.5	6	
12	28	9646	-3	-1	0	0	2	790.7	12.9	0.7	0.0	803.6	6	
13	28	13110	-3	-1	0	0	2	1074.6	13.4	0.7	0.0	1088.0	6	
14	28	21210	-2	-2	0	0	3	1738.5	21.6	0.6	0.0	1760.1	6	
15	28	7870	-2	-0	0	-0	1	645.1	10.5	0.5	0.0	655.6	6	
16	28	11340	-2	-1	0	0	2	929.5	12.4	0.4	0.0	941.9	6	
17	28	15570	-1	-1	0	0	2	1276.2	12.9	0.3	0.0	1289.1	6	
1A	56	11405	-4	-1	0	0	1	934.8	7.9	0.9	0.0	942.7	6	
1E	56	11475	-4	-1	0	0	1	940.6	7.9	0.9	0.0	948.5	6	
1I	56	11385	-4	-1	0	0	1	933.2	7.6	1.0	0.0	940.8	6	
1M	56	11495	-4	-1	0	0	1	942.2	7.6	1.0	0.0	949.8	6	
2	56	14790	-9	-1	0	0	1	1212.3	7.5	2.1	0.0	1219.8	6	
3	56	5504	-6	-0	0	0	0	451.1	1.1	1.5	0.0	452.2	6	
4	56	7364	-6	-1	0	0	0	603.6	3.1	1.4	0.0	606.7	6	
5	56	11440	-6	-1	0	0	1	937.7	4.7	1.3	0.0	942.4	6	
6	56	19110	-5	-1	0	1	2	1566.4	14.8	1.3	0.0	1581.2	6	
7	56	6530	-4	-0	0	0	1	535.2	4.0	1.0	0.0	539.3	6	
8	56	9728	-4	-1	0	0	1	797.4	7.4	0.9	0.0	804.8	6	
9	56	15060	-3	-1	0	0	1	1234.4	9.6	0.8	0.0	1244.0	6	
10	56	18140	-9	-1	0	0	1	1486.9	9.6	2.1	0.0	1496.5	6	
11	56	7646	-6	-0	0	0	0	626.7	2.4	1.4	0.0	629.1	6	
12	56	9646	-6	-1	0	0	1	790.7	4.6	1.4	0.0	795.2	6	
13	56	13110	-6	-1	0	0	1	1074.6	5.6	1.3	0.0	1080.2	6	
14	56	21210	-6	-2	0	1	2	1738.5	14.0	1.5	0.0	1752.5	6	
15	56	7871	-4	-0	0	0	1	645.2	4.0	1.0	0.0	649.2	6	
16	56	11340	-4	-1	0	0	1	929.5	7.7	0.9	0.0	937.2	6	
17	56	15570	-4	-1	0	0	1	1276.2	8.9	0.8	0.0	1285.2	6	

ASTA NUM. 208 NI 128 NF 138 Lungh. 66.3 cm SEZ. 13 Ps L 75X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	5.7776	5.7776 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1851	2	-0	0	-0	0	251.5	1.8	0.7	0.0	253.3	1	
1E	0	1881	2	-0	0	-0	0	255.6	1.8	0.7	0.0	257.4	1	
1I	0	1854	2	-0	0	-0	0	251.9	1.7	0.7	0.0	253.6	1	
1M	0	1878	2	-0	0	-0	0	255.2	1.7	0.7	0.0	256.9	1	
2	0	2307	2	-0	0	0	0	313.5	2.0	0.9	0.0	315.5	6	
3	0	977	1	-0	0	0	0	132.7	2.5	0.5	0.0	135.1	6	
4	0	1112	1	-0	0	0	0	151.1	2.1	0.5	0.0	153.2	6	
5	0	1338	1	0	0	0	0	181.8	3.3	0.5	0.0	185.1	6	
6	0	3046	2	-1	0	-0	0	413.9	2.8	0.9	0.0	416.6	1	
7	0	1216	1	-0	0	-0	0	165.2	2.3	0.5	0.0	167.5	6	
8	0	1513	1	-0	0	-0	0	205.6	2.1	0.5	0.0	207.6	6	
9	0	1784	1	-0	0	0	0	242.4	2.9	0.5	0.0	245.3	6	
10	0	2406	2	-0	0	0	0	326.9	1.9	0.9	0.0	328.8	6	
11	0	1026	1	-0	0	0	0	139.4	2.3	0.5	0.0	141.7	6	
12	0	1171	1	-0	0	0	0	159.1	2.1	0.5	0.0	161.2	6	
13	0	1391	1	0	0	0	0	189.0	3.1	0.5	0.0	192.1	6	
14	0	2756	2	-0	0	-0	0	374.5	2.6	1.0	0.0	377.0	1	
15	0	1021	1	-0	0	-0	0	138.7	2.3	0.5	0.0	141.1	6	
16	0	1327	1	-0	0	-0	0	180.3	2.3	0.5	0.0	182.6	6	
17	0	1588	1	-0	0	0	0	215.8	2.9	0.5	0.0	218.7	6	
1A	33	1851	-0	-0	0	0	0	251.5	4.5	0.1	0.0	255.9	6	
1E	33	1881	-0	-0	0	0	0	255.6	4.5	0.1	0.0	260.0	6	
1I	33	1854	-0	-0	0	0	0	251.9	4.5	0.1	0.0	256.4	6	
1M	33	1878	-0	-0	0	0	0	255.2	4.5	0.1	0.0	259.7	6	
2	33	2307	-0	-0	0	0	0	313.5	7.0	0.1	0.0	320.5	6	
3	33	977	-0	-0	0	0	0	132.7	4.9	0.1	0.0	137.6	6	
4	33	1112	-0	-0	0	0	0	151.1	4.8	0.1	0.0	155.9	6	
5	33	1338	-0	0	0	0	0	181.8	5.3	0.2	0.0	187.1	6	
6	33	3046	-0	-1	0	0	0	413.9	6.2	0.2	0.0	420.1	6	
7	33	1216	-0	-0	0	0	0	165.2	4.7	0.1	0.0	169.9	6	
8	33	1513	-0	-0	0	0	0	205.6	4.3	0.1	0.0	209.9	6	
9	33	1784	-0	-0	0	0	0	242.4	5.0	0.2	0.0	247.4	6	
10	33	2406	-0	-0	0	0	0	326.9	6.8	0.2	0.0	333.7	6	
11	33	1026	-0	-0	0	0	0	139.4	4.8	0.1	0.0	144.2	6	
12	33	1171	-0	-0	0	0	0	159.1	4.6	0.1	0.0	163.7	6	
13	33	1391	-0	0	0	0	0	189.0	5.1	0.2	0.0	194.1	6	
14	33	2756	-0	-0	0	0	0	374.5	6.6	0.2	0.0	381.0	6	
15	33	1021	-0	-0	0	0	0	138.7	4.6	0.2	0.0	143.4	6	
16	33	1327	-0	-0	0	0	0	180.3	4.3	0.1	0.0	184.6	6	
17	33	1588	-0	-0	0	0	0	215.8	4.9	0.2	0.0	220.7	6	
1A	66	1851	-2	-0	0	0	-0	251.5	2.1	0.8	0.0	253.6	1	
1E	66	1881	-2	-0	0	0	-0	255.6	2.1	0.8	0.0	257.7	1	
1I	66	1854	-2	-0	0	0	-0	251.9	2.2	0.8	0.0	254.0	1	
1M	66	1878	-2	-0	0	0	-0	255.2	2.2	0.8	0.0	257.3	1	
2	66	2307	-3	-0	0	0	-0	313.5	2.8	1.2	0.0	316.3	1	
3	66	977	-2	-0	0	0	-0	132.7	1.5	0.8	0.0	134.2	1	
4	66	1112	-2	-0	0	0	-0	151.1	1.6	0.8	0.0	152.7	1	
5	66	1338	-2	0	0	0	-0	181.8	1.6	0.8	0.0	183.3	1	
6	66	3046	-3	-1	0	0	-0	413.9	3.5	1.2	0.0	417.4	1	
7	66	1216	-2	-0	0	0	-0	165.2	1.9	0.8	0.0	167.1	1	
8	66	1513	-2	-0	0	0	-0	205.6	2.1	0.8	0.0	207.6	1	
9	66	1784	-2	-0	0	0	-0	242.4	1.9	0.8	0.0	244.3	1	
10	66	2406	-3	-0	0	0	-0	326.9	2.8	1.2	0.0	329.7	1	
11	66	1026	-2	-0	0	0	-0	139.4	1.5	0.8	0.0	140.9	6	
12	66	1171	-2	-0	0	0	-0	159.1	1.7	0.8	0.0	160.8	6	
13	66	1391	-2	0	0	0	-0	189.0	1.7	0.8	0.0	190.7	6	
14	66	2756	-3	-0	0	0	-0	374.5	3.3	1.3	0.0	377.7	1	
15	66	1021	-2	-0	0	0	-0	138.7	1.9	0.8	0.0	140.6	6	
16	66	1327	-2	-0	0	0	-0	180.3	2.0	0.8	0.0	182.3	6	
17	66	1588	-2	-0	0	0	-0	215.8	2.1	0.8	0.0	217.8	6	

ASTA NUM. 209 NI 138 NF 126 Lungh. 66.3 cm SEZ. 13 Ps L 75X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	5.7776	5.7776 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	2008	2	0	0	0	-0	272.8	2.1	0.8	0.0	274.9	1	
1E	0	2038	2	0	0	0	-0	276.9	2.1	0.8	0.0	279.0	1	
1I	0	2011	2	0	0	0	-0	273.2	2.1	0.8	0.0	275.3	1	
1M	0	2035	2	0	0	0	-0	276.5	2.1	0.8	0.0	278.6	1	
2	0	2666	3	0	0	0	-0	362.2	2.7	1.1	0.0	364.9	1	
3	0	1659	2	0	0	0	-0	225.4	1.3	0.6	0.0	226.7	1	
4	0	1657	2	0	0	0	-0	225.1	1.5	0.7	0.0	226.6	1	
5	0	1573	2	0	0	0	-0	213.7	1.7	0.6	0.0	215.4	1	
6	0	3286	3	1	0	0	-0	446.5	3.5	1.1	0.0	449.9	1	
7	0	2078	2	0	0	0	0	282.3	1.6	0.6	0.0	283.9	1	
8	0	2069	2	0	0	0	-0	281.1	1.9	0.7	0.0	283.0	1	
9	0	1942	2	1	0	0	-0	263.9	2.2	0.6	0.0	266.0	1	
10	0	2616	3	0	0	0	-0	355.4	2.8	1.1	0.0	358.2	1	
11	0	1615	2	0	0	0	-0	219.4	1.3	0.6	0.0	220.8	1	
12	0	1656	2	0	0	0	-0	225.0	1.5	0.7	0.0	226.5	1	
13	0	1586	2	0	0	0	-0	215.5	1.7	0.7	0.0	217.2	1	
14	0	2996	3	1	0	0	-0	407.1	3.2	1.2	0.0	410.3	1	
15	0	1884	2	0	0	0	-0	256.0	1.5	0.6	0.0	257.4	1	
16	0	1935	2	0	0	0	-0	262.9	1.8	0.7	0.0	264.7	1	
17	0	1832	2	1	0	0	-0	248.9	1.9	0.6	0.0	250.8	1	
1A	33	2008	0	0	0	-0	0	272.8	4.0	0.2	0.0	276.8	6	
1E	33	2038	0	0	0	-0	0	276.9	4.0	0.2	0.0	281.0	6	
1I	33	2011	0	0	0	-0	0	273.2	4.0	0.2	0.0	277.2	6	
1M	33	2035	0	0	0	-0	0	276.5	4.0	0.2	0.0	280.5	6	
2	33	2666	0	0	0	0	0	362.2	6.1	0.1	0.0	368.3	6	
3	33	1659	-0	0	0	0	0	225.4	3.5	0.1	0.0	228.9	6	
4	33	1657	-0	0	0	0	0	225.1	3.5	0.1	0.0	228.7	6	
5	33	1573	-0	0	0	-0	0	213.7	3.1	0.1	0.0	216.8	6	
6	33	3286	0	1	0	-0	0	446.5	5.6	0.2	0.0	452.1	6	
7	33	2078	-0	0	0	-0	0	282.3	3.2	0.2	0.0	285.5	6	
8	33	2069	-0	0	0	-0	0	281.1	3.2	0.1	0.0	284.3	6	
9	33	1942	-0	1	0	-0	0	263.9	3.0	0.2	0.0	266.9	6	
10	33	2616	0	0	0	0	0	355.4	6.1	0.1	0.0	361.5	6	
11	33	1615	-0	0	0	0	0	219.4	3.5	0.1	0.0	222.9	6	
12	33	1656	0	0	0	0	0	225.0	3.5	0.1	0.0	228.5	6	
13	33	1586	-0	0	0	-0	0	215.5	3.1	0.1	0.0	218.6	6	
14	33	2996	0	1	0	-0	0	407.1	6.0	0.2	0.0	413.1	6	
15	33	1884	-0	0	0	-0	0	256.0	3.1	0.1	0.0	259.1	6	
16	33	1935	0	0	0	-0	0	262.9	3.1	0.1	0.0	266.0	6	
17	33	1832	-0	1	0	-0	0	248.9	3.0	0.2	0.0	251.9	6	
1A	66	2008	-2	0	0	-0	-0	272.8	2.2	0.7	0.0	275.0	1	
1E	66	2038	-2	0	0	-0	-0	276.9	2.2	0.7	0.0	279.1	1	
1I	66	2011	-2	0	0	-0	-0	273.2	2.1	0.7	0.0	275.3	1	
1M	66	2035	-2	0	0	-0	-0	276.5	2.1	0.7	0.0	278.6	1	
2	66	2666	-3	0	0	-0	0	362.2	0.6	1.0	0.0	362.9	1	
3	66	1659	-2	0	0	-0	-0	225.4	1.3	0.7	0.0	226.7	6	
4	66	1657	-2	0	0	-0	-0	225.1	0.8	0.7	0.0	225.9	6	
5	66	1573	-2	0	0	-0	-0	213.7	2.3	0.7	0.0	216.1	1	
6	66	3286	-3	1	0	-0	0	446.5	3.1	1.0	0.0	449.6	1	
7	66	2078	-2	0	0	-0	-0	282.3	2.8	0.7	0.0	285.2	1	
8	66	2069	-2	0	0	-0	-0	281.1	2.2	0.7	0.0	283.3	1	
9	66	1942	-2	1	0	-0	-0	263.9	4.4	0.7	0.0	268.3	1	
10	66	2616	-2	0	0	-0	0	355.4	0.9	1.0	0.0	356.3	1	
11	66	1615	-2	0	0	-0	-0	219.4	1.0	0.7	0.0	220.4	6	
12	66	1656	-2	0	0	-0	-0	225.0	0.6	0.6	0.0	225.6	6	
13	66	1586	-2	0	0	-0	-0	215.5	2.1	0.7	0.0	217.6	1	
14	66	2996	-3	1	0	-0	0	407.1	2.9	1.0	0.0	410.0	1	
15	66	1884	-2	0	0	-0	-0	256.0	2.6	0.7	0.0	258.6	1	
16	66	1935	-2	0	0	-0	-0	262.9	2.1	0.7	0.0	265.1	1	
17	66	1832	-2	1	0	-0	-0	248.9	4.0	0.7	0.0	252.9	1	

ASTA NUM. 210 NI 204 NF 145 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	8.2190	2.0547	--	--	6.8299	17.1036 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-21730	0	-1	0	-0	2	1402.0	10.7	0.2	0.0	1412.6	6	
1E	0	-21650	0	-1	0	-0	2	1396.8	10.7	0.2	0.0	1407.4	6	
1I	0	-21788	-0	-1	0	-0	2	1405.7	11.7	0.2	0.0	1417.4	6	
1M	0	-21592	-0	-1	0	-0	2	1393.0	11.7	0.2	0.0	1404.7	6	
2	0	-27900	-1	-1	0	-0	5	1800.0	26.0	0.2	0.0	1826.0	6	
3	0	-13410	-1	-0	0	-0	3	865.2	15.4	0.2	0.0	880.6	6	
4	0	-15800	-1	-1	0	-0	3	1019.4	15.9	0.1	0.0	1035.2	6	
5	0	-15980	-0	-1	0	-0	3	1031.0	15.9	0.1	0.0	1046.9	6	
6	0	-35520	0	-2	0	-1	3	2291.6	18.4	0.3	0.0	2310.1	6	
7	0	-16450	-0	-0	0	-0	2	1061.3	10.3	0.1	0.0	1071.6	6	
8	0	-20340	0	-1	0	-0	2	1312.3	11.1	0.2	0.0	1323.3	6	
9	0	-20620	0	-1	0	-0	2	1330.3	11.2	0.2	0.0	1341.5	6	
10	0	-28320	-1	-1	0	-0	5	1827.1	26.7	0.3	0.0	1853.8	6	
11	0	-13610	-1	-0	0	-0	3	878.1	15.9	0.1	0.0	893.9	6	
12	0	-16260	-1	-1	0	-0	3	1049.0	16.4	0.1	0.0	1065.4	6	
13	0	-15950	-0	-1	0	-0	3	1029.0	16.2	0.1	0.0	1045.3	6	
14	0	-32670	0	-2	0	-1	4	2107.7	19.3	0.3	0.0	2127.0	6	
15	0	-14590	-0	-0	0	-0	2	941.3	10.5	0.1	0.0	951.8	6	
16	0	-18890	0	-1	0	-0	2	1218.7	11.3	0.2	0.0	1230.6	6	
17	0	-18360	0	-1	0	-0	2	1184.5	11.1	0.2	0.0	1195.7	6	
1A	35	-21730	-2	-1	0	0	2	1402.0	8.3	0.4	0.0	1410.3	6	
1E	35	-21650	-2	-1	0	0	2	1396.8	8.3	0.4	0.0	1405.1	6	

1I	35	-21788	-3	-1	0	0	2	1405.7	8.6	0.5	0.0	1414.2	6
1M	35	-21592	-3	-1	0	0	2	1393.0	8.6	0.5	0.0	1401.6	6
2	35	-27895	-8	-1	0	0	3	1799.7	17.4	1.5	0.0	1817.1	6
3	35	-13410	-6	-0	0	-0	2	865.2	9.5	1.0	0.0	874.7	6
4	35	-15795	-5	-1	0	-0	2	1019.0	10.3	1.0	0.0	1029.3	6
5	35	-15980	-5	-1	0	0	2	1031.0	10.9	0.9	0.0	1041.8	6
6	35	-35515	-4	-2	0	0	3	2291.3	14.5	0.7	0.0	2305.8	6
7	35	-16445	-3	-0	0	-0	1	1061.0	7.2	0.6	0.0	1068.2	6
8	35	-20335	-3	-1	0	-0	2	1311.9	8.4	0.5	0.0	1320.3	6
9	35	-20615	-2	-1	0	0	2	1330.0	9.2	0.4	0.0	1339.2	6
10	35	-28315	-8	-1	0	0	4	1826.8	18.3	1.5	0.0	1845.1	6
11	35	-13605	-6	-0	0	-0	2	877.7	10.1	1.0	0.0	887.8	6
12	35	-16260	-5	-1	0	-0	2	1049.0	10.9	1.0	0.0	1059.9	6
13	35	-15950	-5	-1	0	0	2	1029.0	11.3	0.9	0.0	1040.3	6
14	35	-32665	-4	-2	0	0	3	2107.4	15.1	0.8	0.0	2122.6	6
15	35	-14585	-3	-0	0	-0	1	941.0	7.4	0.6	0.0	948.3	6
16	35	-18890	-3	-1	0	-0	2	1218.7	8.7	0.5	0.0	1227.4	6
17	35	-18360	-2	-1	0	0	2	1184.5	9.2	0.4	0.0	1193.7	6
1A	69	-21730	-5	-1	0	0	0	1402.0	3.0	0.8	0.0	1405.0	6
1E	69	-21650	-5	-1	0	0	0	1396.8	3.0	0.8	0.0	1399.8	6
1I	69	-21788	-5	-1	0	0	0	1405.7	2.7	0.9	0.0	1408.4	1
1M	69	-21592	-5	-1	0	0	0	1393.0	2.7	0.9	0.0	1395.8	1
2	69	-27890	-16	-1	0	1	-1	1799.4	4.9	2.9	0.0	1804.3	6
3	69	-13410	-10	-0	0	0	-1	865.2	4.6	1.9	0.0	869.7	6
4	69	-15790	-10	-1	0	0	-1	1018.7	3.6	1.8	0.0	1022.3	6
5	69	-15980	-10	-1	0	0	-0	1031.0	2.8	1.8	0.0	1033.8	6
6	69	-35510	-8	-2	0	1	1	2291.0	5.0	1.5	0.0	2295.9	6
7	69	-16440	-6	-0	0	0	-0	1060.6	0.7	1.1	0.0	1061.3	6
8	69	-20330	-5	-1	0	0	0	1311.6	2.0	1.0	0.0	1313.6	1
9	69	-20610	-5	-1	0	0	1	1329.7	3.6	0.9	0.0	1333.3	6
10	69	-28310	-16	-1	0	1	-1	1826.5	4.0	2.9	0.0	1830.4	1
11	69	-13600	-10	-0	0	0	-1	877.4	3.9	1.9	0.0	881.4	6
12	69	-16260	-10	-1	0	0	-0	1049.0	2.9	1.8	0.0	1051.9	6
13	69	-15950	-10	-1	0	0	-0	1029.0	2.4	1.8	0.0	1031.4	1
14	69	-32660	-9	-2	0	1	1	2107.1	5.1	1.6	0.0	2112.2	1
15	69	-14580	-6	-0	0	0	-0	940.6	0.5	1.1	0.0	941.2	6
16	69	-18890	-5	-1	0	0	0	1218.7	2.4	1.0	0.0	1221.1	6
17	69	-18360	-5	-1	0	0	1	1184.5	3.5	0.9	0.0	1188.1	6

ASTA NUM. 211 NI 205 NF 144 Lungh. 69.5 cm SEZ. 15 Ps L 100X 8

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	8.2190	2.0547	--	--	6.8299	17.1036 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-22240	0	1	0	0	2	1434.9	10.8	0.2	0.0	1445.7	6	
1E	0	-22160	0	1	0	0	2	1429.7	10.8	0.2	0.0	1440.5	6	
1I	0	-22298	-0	1	0	0	2	1438.6	11.8	0.2	0.0	1450.4	6	
1M	0	-22102	-0	1	0	0	2	1425.9	11.8	0.2	0.0	1437.8	6	
2	0	-28780	-1	1	0	0	5	1856.8	25.9	0.3	0.0	1882.7	6	
3	0	-15840	-1	1	0	0	3	1021.9	15.8	0.2	0.0	1037.8	6	
4	0	-16100	-1	1	0	0	3	1038.7	15.8	0.2	0.0	1054.5	6	
5	0	-17160	-1	1	0	0	3	1107.1	16.2	0.2	0.0	1123.3	6	
6	0	-36280	0	2	0	1	3	2340.6	18.6	0.4	0.0	2359.2	6	
7	0	-19850	0	1	0	0	2	1280.6	11.1	0.2	0.0	1291.8	6	
8	0	-20620	0	1	0	0	2	1330.3	11.2	0.2	0.0	1341.5	6	
9	0	-21680	0	1	0	0	2	1398.7	11.7	0.2	0.0	1410.4	6	
10	0	-29000	-1	2	0	0	5	1871.0	26.6	0.3	0.0	1897.6	6	
11	0	-15910	-0	1	0	0	3	1026.5	16.2	0.2	0.0	1042.7	6	
12	0	-16300	-1	1	0	0	3	1051.6	16.2	0.2	0.0	1067.8	6	
13	0	-17830	-1	1	0	0	3	1150.3	16.6	0.2	0.0	1166.9	6	
14	0	-33420	0	2	0	1	4	2156.1	19.4	0.4	0.0	2175.5	6	
15	0	-17980	0	1	0	0	2	1160.0	11.3	0.2	0.0	1171.3	6	
16	0	-18950	0	1	0	0	2	1222.6	11.3	0.3	0.0	1233.8	6	
17	0	-20770	0	1	0	0	2	1340.0	11.8	0.2	0.0	1351.8	6	
1A	35	-22235	-2	1	0	-0	2	1434.5	8.5	0.4	0.0	1443.1	6	
1E	35	-22155	-2	1	0	-0	2	1429.3	8.5	0.4	0.0	1437.9	6	
1I	35	-22293	-3	1	0	-0	2	1438.2	8.8	0.5	0.0	1447.0	6	
1M	35	-22097	-3	1	0	-0	2	1425.6	8.8	0.5	0.0	1434.4	6	
2	35	-28775	-8	1	0	-0	3	1856.5	17.1	1.5	0.0	1873.6	6	
3	35	-15835	-5	1	0	-0	2	1021.6	10.3	1.0	0.0	1032.0	6	
4	35	-16095	-5	1	0	-0	2	1038.4	10.3	1.0	0.0	1048.7	6	
5	35	-17160	-5	1	0	-0	2	1107.1	10.6	1.0	0.0	1117.7	6	
6	35	-36275	-4	2	0	-0	3	2340.3	14.7	0.7	0.0	2355.0	6	
7	35	-19845	-2	1	0	-0	2	1280.3	8.8	0.4	0.0	1289.2	6	
8	35	-20620	-3	1	0	-0	2	1330.3	8.8	0.5	0.0	1339.2	6	
9	35	-21675	-3	1	0	-0	2	1398.4	9.2	0.5	0.0	1407.6	6	
10	35	-28995	-8	2	0	-0	4	1870.6	17.9	1.5	0.0	1888.6	6	
11	35	-15910	-5	1	0	-0	2	1026.5	10.9	1.0	0.0	1037.3	6	
12	35	-16300	-5	1	0	-0	2	1051.6	10.8	1.0	0.0	1062.4	6	
13	35	-17830	-5	1	0	-0	2	1150.3	11.0	1.0	0.0	1161.3	6	
14	35	-33415	-4	2	0	-0	3	2155.8	15.3	0.8	0.0	2171.1	6	
15	35	-17980	-2	1	0	-0	2	1160.0	9.0	0.4	0.0	1169.0	6	
16	35	-18950	-2	1	0	-0	2	1222.6	9.0	0.5	0.0	1231.6	6	
17	35	-20765	-3	1	0	-0	2	1339.7	9.1	0.5	0.0	1348.8	6	
1A	69	-22230	-5	1	0	-0	0	1434.2	3.4	0.8	0.0	1437.6	1	
1E	69	-22150	-5	1	0	-0	0	1429.0	3.4	0.8	0.0	1432.4	1	
1I	69	-22288	-5	1	0	-0	0	1437.9	3.2	0.9	0.0	1441.1	1	
1M	69	-22092	-5	1	0	-0	0	1425.3	3.2	0.9	0.0	1428.5	1	
2	69	-28770	-16	1	0	-1	-1	1856.1	5.5	2.9	0.0	1861.6	6	
3	69	-15830	-10	1	0	-0	-1	1021.3	3.9	1.8	0.0	1025.2	6	
4	69	-16090	-10	1	0	-0	-1	1038.1	4.2	1.8	0.0	1042.2	6	
5	69	-17160	-10	1	0	-0	-1	1107.1	3.5	1.8	0.0	1110.6	6	
6	69	-36270	-8	2	0	-1	1	2340.0	5.4	1.5	0.0	2345.4	1	
7	69	-19840	-5	1	0	-1	0	1280.0	3.6	0.9	0.0	1283.6	1	
8	69	-20620	-5	1	0	-1	0	1330.3	3.7	1.0	0.0	1334.0	1	
9	69	-21670	-5	1	0	-0	0	1398.1	3.3	1.0	0.0	1401.4	1	
10	69	-28990	-16	2	0	-1	-1	1870.3	4.6	2.9	0.0	1874.9	6	
11	69	-15910	-10	1	0	-0	-1	1026.5	3.3	1.8	0.0	1029.8	6	
12	69	-16300	-10	1	0	-0	-1	1051.6	3.7	1.8	0.0	1055.3	6	
13	69	-17830	-10	1	0	-0	-0	1150.3	3.1	1.8	0.0	1153.5	6	
14	69	-33410	-9	2	0	-1	1	2155.5	5.7	1.6	0.0	2161.1	1	
15	69	-17980	-5	1	0	-1	0	1160.0	3.8	0.9	0.0	1163.8	1	
16	69	-18950	-5	1	0	-1	0	1222.6	4.0	1.0	0.0	1226.6	1	
17	69	-20760	-5	1	0	-1	0	1339.4	3.4	1.0	0.0	1342.7	1	

ASTA NUM. 212 NI 206 NF 145 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1638	0.5410	--	--	3.9862	6.6910 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3520	1	-1	0	-1	0	555.2	14.5	0.5	0.0	569.7	1	
1E	0	-3486	1	-1	0	-1	0	549.8	14.5	0.5	0.0	564.3	1	
1I	0	-3523	1	-1	0	-0	1	555.6	14.5	0.4	0.0	570.1	6	
1M	0	-3483	1	-1	0	-0	1	549.4	14.5	0.4	0.0	563.9	6	
2	0	-4637	-0	-0	0	-2	2	731.4	63.3	0.2	0.0	794.7	1	
3	0	-3010	-0	-0	0	-2	1	474.8	39.8	0.1	0.0	514.6	1	
4	0	-2858	-0	-0	0	-2	1	450.8	39.6	0.1	0.0	490.4	1	
5	0	-2738	-0	-0	0	-2	1	431.9	39.5	0.1	0.0	471.3	1	
6	0	-5666	1	-1	0	-1	1	893.7	32.1	0.6	0.0	925.8	1	
7	0	-3776	1	-1	0	-1	1	595.6	20.5	0.4	0.0	616.0	1	
8	0	-3537	1	-1	0	-1	1	557.9	20.1	0.4	0.0	578.0	1	
9	0	-3347	1	-1	0	-1	1	527.9	20.0	0.4	0.0	547.9	1	
10	0	-4453	-0	-0	0	-2	2	702.4	63.5	0.2	0.0	765.8	1	
11	0	-2890	-0	-0	0	-2	1	455.8	39.9	0.1	0.0	495.7	1	
12	0	-2793	-0	-0	0	-2	1	440.5	39.8	0.1	0.0	480.3	1	
13	0	-2728	-0	-0	0	-2	1	430.3	39.4	0.1	0.0	469.7	1	
14	0	-5021	1	-1	0	-1	1	792.0	33.4	0.6	0.0	825.4	1	
15	0	-3366	1	-1	0	-1	1	530.9	20.5	0.4	0.0	551.4	1	
16	0	-3215	1	-1	0	-1	1	507.1	20.3	0.4	0.0	527.4	1	
17	0	-3116	1	-1	0	-1	1	491.5	19.8	0.4	0.0	511.2	1	
1A	48	-3519	-1	-1	0	-0	1	555.1	10.6	0.5	0.0	565.6	6	
1E	48	-3485	-1	-1	0	-0	1	549.7	10.6	0.5	0.0	560.3	6	
1I	48	-3522	-1	-1	0	-0	1	555.5	10.6	0.5	0.0	566.1	6	
1M	48	-3482	-1	-1	0	-0	1	549.3	10.6	0.5	0.0	559.9	6	
2	48	-4637	-4	-5	0	-1	1	731.4	31.7	2.2	0.0	763.1	1	
3	48	-3010	-3	-3	0	-1	1	474.8	20.1	1.4	0.0	494.9	1	
4	48	-2858	-3	-3	0	-1	1	450.8	19.8	1.4	0.0	470.6	1	
5	48	-2738	-3	-3	0	-1	1	431.9	19.7	1.4	0.0	451.6	1	
6	48	-5664	-2	-2	0	-0	1	893.5	19.2	1.1	0.0	912.7	6	
7	48	-3776	-1	-1	0	-0	1	595.5	12.5	0.7	0.0	608.0	6	
8	48	-3537	-1	-2	0	-0	1	557.8	12.0	0.7	0.0	569.8	6	
9	48	-3346	-1	-2	0	-0	1	527.8	12.0	0.7	0.0	539.7	6	
10	48	-4453	-4	-5	0	-1	1	702.4	31.9	2.2	0.0	734.3	1	
11	48	-2890	-3	-3	0	-1	1	455.8	20.3	1.4	0.0	476.1	1	
12	48	-2793	-3	-3	0	-1	1	440.5	20.0	1.4	0.0	460.6	1	
13	48	-2728	-3	-3	0	-1	1	430.3	19.8	1.4	0.0	450.1	1	
14	48	-5019	-2	-3	0	-0	1	791.7	20.2	1.1	0.0	811.9	6	
15	48	-3365	-1	-1	0	-0	1	530.8	12.5	0.7	0.0	543.3	6	
16	48	-3214	-1	-2	0	-0	1	506.9	12.1	0.7	0.0	519.0	6	
17	48	-3115	-1	-2	0	-0	1	491.3	11.9	0.7	0.0	503.2	6	
1A	96	-3518	-3	-1	0	0	-0	554.9	10.9	1.3	0.0	565.8	1	
1E	96	-3484	-3	-1	0	0	-0	549.5	10.9	1.3	0.0	560.4	1	
1I	96	-3521	-3	-1	0	0	-0	555.3	10.8	1.3	0.0	566.1	6	
1M	96	-3481	-3	-1	0	0	-0	549.1	10.8	1.3	0.0	560.0	6	
2	96	-4637	-9	-9	0	2	-2	731.4	55.2	4.2	0.0	786.6	1	
3	96	-3010	-5	-6	0	1	-1	474.8	34.1	2.6	0.0	508.8	1	
4	96	-2858	-5	-6	0	1	-1	450.8	34.5	2.6	0.0	485.3	1	
5	96	-2738	-5	-6	0	1	-1	431.9	34.5	2.6	0.0	466.4	1	
6	96	-5663	-5	-4	0	1	-1	893.2	25.5	2.2	0.0	918.7	1	

7	96	-3775	-3	-2	0	1	-1	595.4	15.3	1.4	0.0	610.7	1
8	96	-3536	-3	-2	0	1	-1	557.7	15.9	1.4	0.0	573.6	1
9	96	-3345	-3	-2	0	1	-0	527.6	16.0	1.4	0.0	543.6	1
10	96	-4453	-9	-9	0	2	-2	702.4	54.9	4.2	0.0	757.3	1
11	96	-2890	-5	-6	0	1	-1	455.8	33.9	2.6	0.0	489.7	1
12	96	-2793	-5	-6	0	1	-1	440.5	34.2	2.6	0.0	474.8	1
13	96	-2728	-5	-6	0	1	-1	430.3	34.4	2.6	0.0	464.7	1
14	96	-5018	-5	-4	0	1	-1	791.5	26.6	2.4	0.0	818.1	1
15	96	-3364	-3	-2	0	1	-1	530.6	15.2	1.4	0.0	545.8	1
16	96	-3213	-3	-2	0	1	-1	506.8	15.7	1.4	0.0	522.5	1
17	96	-3114	-3	-2	0	1	-0	491.2	16.0	1.4	0.0	507.2	1

ASTA NUM. 213 NI 206 NF 144 Lungh. 96.0 cm SEZ. 11 Ps L 65X 5

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1638	0.5410	--	--	3.9862	6.6910 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-3209	1	1	0	1	0	506.2	15.9	0.6	0.0	522.0	1	
1E	0	-3175	1	1	0	1	0	500.8	15.9	0.6	0.0	516.6	1	
1I	0	-3212	1	1	0	1	1	506.6	18.3	0.6	0.0	524.9	1	
1M	0	-3172	1	1	0	1	1	500.4	18.3	0.6	0.0	518.7	1	
2	0	-3977	-0	0	0	2	2	627.3	62.8	0.2	0.0	690.1	1	
3	0	-1653	-0	0	0	2	1	260.7	38.5	0.1	0.0	299.2	1	
4	0	-1941	-0	0	0	2	1	306.2	38.9	0.1	0.0	345.0	1	
5	0	-2216	-0	0	0	2	1	349.5	39.2	0.1	0.0	388.7	1	
6	0	-5193	1	1	0	1	1	819.1	31.8	0.6	0.0	850.8	1	
7	0	-2012	1	1	0	1	1	317.4	18.7	0.4	0.0	336.1	1	
8	0	-2603	1	1	0	1	1	410.6	19.4	0.4	0.0	430.0	1	
9	0	-2927	1	1	0	1	1	461.7	19.8	0.4	0.0	481.5	1	
10	0	-4037	-0	0	0	2	2	636.8	63.2	0.2	0.0	699.9	1	
11	0	-1686	-0	0	0	2	1	265.9	38.7	0.1	0.0	304.7	1	
12	0	-1975	-0	0	0	2	1	311.5	39.0	0.1	0.0	350.5	1	
13	0	-2235	-0	0	0	2	1	352.5	39.5	0.1	0.0	392.0	1	
14	0	-4549	1	1	0	1	1	717.5	33.1	0.6	0.0	750.6	1	
15	0	-1602	1	1	0	1	1	252.7	18.7	0.4	0.0	271.4	1	
16	0	-2194	1	1	0	1	1	346.1	19.3	0.4	0.0	365.3	1	
17	0	-2498	1	1	0	1	1	394.0	19.9	0.4	0.0	413.9	1	
1A	48	-3208	-1	1	0	0	1	505.9	10.5	0.6	0.0	516.4	6	
1E	48	-3173	-1	1	0	0	1	500.5	10.5	0.6	0.0	511.0	6	
1I	48	-3210	-1	1	0	0	1	506.3	10.6	0.6	0.0	516.9	6	
1M	48	-3171	-1	1	0	0	1	500.1	10.6	0.6	0.0	510.8	6	
2	48	-3977	-4	5	0	1	1	627.3	31.3	2.2	0.0	658.6	1	
3	48	-1653	-3	3	0	1	1	260.7	19.0	1.4	0.0	279.7	1	
4	48	-1941	-3	3	0	1	1	306.2	19.2	1.4	0.0	325.4	1	
5	48	-2216	-3	3	0	1	1	349.5	19.6	1.4	0.0	369.1	1	
6	48	-5191	-2	2	0	0	1	818.8	18.9	1.1	0.0	837.8	6	
7	48	-2011	-1	1	0	0	0	317.2	11.0	0.7	0.0	328.2	6	
8	48	-2602	-1	2	0	0	1	410.4	11.6	0.7	0.0	422.0	6	
9	48	-2926	-1	2	0	0	1	461.5	11.9	0.7	0.0	473.4	6	
10	48	-4037	-4	5	0	1	1	636.8	31.6	2.2	0.0	668.3	1	
11	48	-1686	-3	3	0	1	1	265.9	19.1	1.4	0.0	285.1	1	
12	48	-1975	-3	3	0	1	1	311.5	19.3	1.4	0.0	330.8	1	
13	48	-2235	-3	3	0	1	1	352.5	19.8	1.4	0.0	372.3	1	
14	48	-4547	-2	3	0	0	1	717.2	19.9	1.1	0.0	737.1	6	
15	48	-1601	-1	1	0	0	0	252.5	11.0	0.7	0.0	263.6	6	
16	48	-2193	-1	2	0	0	1	345.9	11.5	0.7	0.0	357.4	6	
17	48	-2497	-1	2	0	0	1	393.8	11.9	0.7	0.0	405.8	6	
1A	96	-3206	-3	1	0	-1	-0	505.7	12.4	1.3	0.0	518.1	1	
1E	96	-3172	-3	1	0	-1	-0	500.3	12.4	1.3	0.0	512.7	1	
1I	96	-3209	-3	1	0	-1	-0	506.1	14.6	1.3	0.0	520.6	1	
1M	96	-3169	-3	1	0	-1	-0	499.9	14.6	1.3	0.0	514.5	1	
2	96	-3977	-9	9	0	-2	-2	627.3	55.5	4.2	0.0	682.8	1	
3	96	-1653	-5	6	0	-1	-1	260.7	35.1	2.6	0.0	295.8	1	
4	96	-1941	-5	6	0	-1	-1	306.2	34.9	2.6	0.0	341.1	1	
5	96	-2216	-5	6	0	-1	-1	349.5	34.5	2.6	0.0	384.0	1	
6	96	-5190	-5	4	0	-1	-1	818.6	25.7	2.2	0.0	844.3	1	
7	96	-2010	-3	2	0	-1	-1	317.0	16.7	1.4	0.0	333.7	1	
8	96	-2601	-3	2	0	-1	-0	410.3	16.3	1.4	0.0	426.6	1	
9	96	-2925	-3	2	0	-1	-0	461.4	15.8	1.4	0.0	477.2	1	
10	96	-4037	-9	9	0	-2	-2	636.8	55.3	4.2	0.0	692.1	1	
11	96	-1686	-5	6	0	-1	-1	265.9	35.0	2.6	0.0	300.9	1	
12	96	-1975	-5	6	0	-1	-1	311.5	34.9	2.6	0.0	346.5	1	
13	96	-2235	-5	6	0	-1	-1	352.5	34.4	2.6	0.0	387.0	1	
14	96	-4545	-5	4	0	-1	-1	716.9	26.8	2.4	0.0	743.7	1	
15	96	-1600	-3	2	0	-1	-1	252.4	16.7	1.4	0.0	269.0	1	
16	96	-2192	-3	2	0	-1	-0	345.7	16.4	1.4	0.0	362.2	1	
17	96	-2496	-3	2	0	-1	-0	393.7	15.8	1.4	0.0	409.5	1	

ASTA NUM. 214 NI 128 NF 231 Lungh. 81.1 cm SEZ. 21 Ps L 75X 6

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	4757	0	2	0	1	-0	543.7	14.3	0.7	0.0	558.0	1	
1E	0	4813	0	2	0	1	-0	550.1	14.3	0.7	0.0	564.4	1	
1I	0	4775	0	2	0	1	-0	545.7	14.5	0.7	0.0	560.2	1	
1M	0	4795	0	2	0	1	-0	548.0	14.5	0.7	0.0	562.5	1	
2	0	6120	0	-2	0	2	-0	699.4	19.0	0.5	0.0	718.5	1	
3	0	4829	0	-1	0	1	-0	551.9	11.1	0.4	0.0	562.9	1	
4	0	4167	0	-1	0	1	-0	476.2	11.0	0.4	0.0	487.3	1	
5	0	3982	-0	-1	0	1	-0	455.1	10.6	0.3	0.0	465.7	1	
6	0	8156	1	2	0	2	-0	932.1	23.0	0.7	0.0	955.1	1	
7	0	6765	0	1	0	1	-0	773.1	13.2	0.4	0.0	786.4	1	
8	0	5519	0	1	0	1	-0	630.7	13.4	0.4	0.0	644.1	1	
9	0	5267	0	1	0	1	-0	601.9	12.8	0.4	0.0	614.7	1	
10	0	6837	0	-2	0	1	-0	781.4	17.7	0.6	0.0	799.1	1	
11	0	4921	0	-1	0	1	-0	562.4	10.1	0.4	0.0	572.5	1	
12	0	4712	0	-1	0	1	-0	538.5	10.3	0.4	0.0	548.8	1	
13	0	4405	-0	-1	0	1	-0	503.4	9.8	0.4	0.0	513.2	1	
14	0	9164	0	2	0	2	-0	1047.3	19.3	0.5	0.0	1066.6	1	
15	0	7060	0	1	0	1	-0	806.9	10.7	0.3	0.0	817.5	1	
16	0	6310	0	1	0	1	-0	721.1	11.1	0.3	0.0	732.2	1	
17	0	5861	0	1	0	1	-0	669.8	10.4	0.3	0.0	680.2	1	
1A	41	4760	0	2	0	0	-0	544.0	3.5	0.7	0.0	547.5	1	
1E	41	4816	0	2	0	0	-0	550.4	3.5	0.7	0.0	553.9	1	
1I	41	4778	0	2	0	0	-0	546.0	3.4	0.7	0.0	549.4	1	
1M	41	4798	0	2	0	0	-0	548.4	3.4	0.7	0.0	551.7	1	
2	41	6124	0	4	0	1	-0	699.9	13.0	1.3	0.0	712.9	1	
3	41	4831	0	2	0	1	-0	552.1	7.8	0.8	0.0	560.0	1	
4	41	4170	0	2	0	1	-0	476.5	7.9	0.8	0.0	484.4	1	
5	41	3985	-0	2	0	1	-0	455.4	7.5	0.8	0.0	462.9	1	
6	41	8160	1	4	0	1	-0	932.5	7.7	1.2	0.0	940.3	1	
7	41	6768	0	2	0	0	-0	773.4	4.4	0.7	0.0	777.9	1	
8	41	5522	0	2	0	0	-0	631.0	4.5	0.7	0.0	635.6	1	
9	41	5269	0	2	0	0	0	602.2	4.1	0.7	0.0	606.3	1	
10	41	6841	0	4	0	1	-0	781.8	12.9	1.2	0.0	794.7	1	
11	41	4924	0	2	0	1	-0	562.7	7.8	0.7	0.0	570.5	1	
12	41	4715	0	2	0	1	-0	538.8	7.8	0.7	0.0	546.6	1	
13	41	4408	-0	2	0	1	-0	503.7	7.4	0.7	0.0	511.2	1	
14	41	9169	0	3	0	1	-0	1047.8	7.2	1.0	0.0	1055.0	1	
15	41	7063	0	2	0	0	-0	807.1	4.0	0.5	0.0	811.2	1	
16	41	6313	0	2	0	0	-0	721.4	4.2	0.6	0.0	725.6	1	
17	41	5863	0	2	0	0	0	670.1	3.7	0.6	0.0	673.8	1	
1A	81	4763	0	2	0	-1	0	544.3	7.3	0.7	0.0	551.6	1	
1E	81	4819	0	2	0	-1	0	550.7	7.3	0.7	0.0	558.1	1	
1I	81	4781	0	2	0	-1	0	546.4	7.7	0.7	0.0	554.1	1	
1M	81	4801	0	2	0	-1	0	548.7	7.7	0.7	0.0	556.4	1	
2	81	6128	0	9	0	-2	-0	700.3	20.3	3.1	0.0	720.6	1	
3	81	4833	0	6	0	-1	-0	552.3	12.5	1.9	0.0	564.8	1	
4	81	4172	0	6	0	-1	-0	476.8	12.2	1.9	0.0	489.0	1	
5	81	3987	-0	6	0	-1	-0	455.7	12.5	1.9	0.0	468.2	1	
6	81	8163	1	5	0	-1	0	932.9	14.1	1.6	0.0	947.0	1	
7	81	6770	0	3	0	-1	0	773.7	8.5	1.0	0.0	782.2	1	
8	81	5524	0	3	0	-1	0	631.3	8.4	1.0	0.0	639.8	1	
9	81	5271	0	3	0	-1	0	602.4	8.7	1.0	0.0	611.1	1	
10	81	6844	0	9	0	-2	-0	782.2	19.2	3.0	0.0	801.4	1	
11	81	4926	0	6	0	-1	-0	563.0	11.7	1.8	0.0	574.7	1	
12	81	4717	0	6	0	-1	-0	539.1	11.6	1.8	0.0	550.7	1	
13	81	4410	-0	6	0	-1	-0	504.0	11.8	1.8	0.0	515.8	1	
14	81	9173	0	4	0	-1	0	1048.3	11.5	1.4	0.0	1059.9	1	
15	81	7065	0	3	0	-1	0	807.4	6.8	0.8	0.0	814.2	1	
16	81	6315	0	3	0	-1	0	721.7	6.9	0.8	0.0	728.6	1	
17	81	5865	0	3	0	-1	0	670.3	7.1	0.8	0.0	677.4	1	

ASTA NUM. 215 NI 231 NF 145 Lungh. 85.1 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0512	0.2628	--	--	3.1022	4.4162 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3265	2	-0	0	0	-0	757.5	7.8	1.3	0.0	765.2	6	
1E	0	3275	2	-0	0	0	-0	759.9	7.8	1.3	0.0	767.7	6	
1I	0	3258	2	0	0	0	-0	756.0	7.8	1.3	0.0	763.8	6	
1M	0	3282	2	0	0	0	-0	761.4	7.8	1.3	0.0	769.2	6	
2	0	2953	3	1	0	1	-0	685.2	26.5	2.1	0.0	711.6	1	
3	0	1611	2	1	0	0	0	373.8	16.8	1.3	0.0	390.6	1	
4	0	1677	2	1	0	0	0	389.1	16.4	1.3	0.0	405.5	1	
5	0	2199	2	1	0	0	0	510.2	16.7	1.3	0.0	526.9	1	

6	0	4830	3	0	0	0	-0	1120.6	12.7	2.0	0.0	1133.3	6
7	0	2645	2	0	0	0	-0	613.7	7.0	1.2	0.0	620.7	1
8	0	2816	2	0	0	0	-0	653.4	7.5	1.2	0.0	660.9	6
9	0	3335	2	0	0	0	-0	773.8	7.8	1.3	0.0	781.6	6
10	0	-192	3	1	0	1	0	44.5	25.7	2.1	0.0	70.3	1
11	0	-366	2	1	0	0	0	85.0	16.6	1.2	0.0	101.5	1
12	0	-340	2	1	0	0	0	78.9	16.1	1.3	0.0	95.0	1
13	0	381	2	1	0	0	0	88.4	16.2	1.3	0.0	104.6	1
14	0	-199	3	0	0	0	-0	46.1	9.8	2.1	0.0	55.9	6
15	0	-513	2	0	0	0	-0	119.0	5.5	1.1	0.0	124.5	1
16	0	-414	2	0	0	0	-0	96.1	5.9	1.2	0.0	102.0	1
17	0	534	2	0	0	0	-0	124.0	6.2	1.2	0.0	130.2	1
1A	43	3265	1	-0	0	0	0	757.6	12.4	0.4	0.0	770.0	6
1E	43	3276	1	-0	0	0	0	760.0	12.4	0.4	0.0	772.5	6
1I	43	3259	1	0	0	0	0	756.1	12.8	0.4	0.0	769.0	6
1M	43	3282	1	0	0	0	0	761.5	12.8	0.4	0.0	774.3	6
2	43	2952	1	1	0	0	1	684.9	31.3	0.6	0.0	716.3	6
3	43	1611	0	1	0	0	0	373.7	19.1	0.4	0.0	392.8	6
4	43	1677	0	1	0	0	0	389.0	19.3	0.4	0.0	408.3	6
5	43	2198	0	1	0	0	0	510.1	19.7	0.4	0.0	529.7	6
6	43	4830	1	0	0	0	1	1120.6	21.4	0.7	0.0	1142.0	6
7	43	2645	0	0	0	0	0	613.7	12.7	0.3	0.0	626.4	6
8	43	2816	1	0	0	0	0	653.4	13.0	0.4	0.0	666.4	6
9	43	3335	1	0	0	0	0	773.8	13.6	0.4	0.0	787.3	6
10	43	-193	1	1	0	0	1	44.7	31.9	0.6	0.0	76.7	6
11	43	-367	0	1	0	0	0	85.1	19.4	0.4	0.0	104.5	6
12	43	-340	0	1	0	0	0	79.0	19.7	0.4	0.0	98.7	6
13	43	381	0	1	0	0	1	88.3	19.9	0.4	0.0	108.2	6
14	43	-198	1	0	0	0	1	46.0	22.8	0.6	0.0	68.8	6
15	43	-513	0	0	0	0	0	118.9	12.9	0.3	0.0	131.8	6
16	43	-414	1	0	0	0	0	96.0	13.3	0.4	0.0	109.3	6
17	43	535	1	0	0	0	0	124.0	13.6	0.4	0.0	137.7	6
1A	85	3266	-1	-0	0	0	0	757.7	12.2	0.5	0.0	769.9	6
1E	85	3276	-1	-0	0	0	0	760.2	12.2	0.5	0.0	772.4	6
1I	85	3259	-1	0	0	0	0	756.2	12.5	0.5	0.0	768.7	6
1M	85	3283	-1	0	0	0	0	761.6	12.5	0.5	0.0	774.1	6
2	85	2951	-2	1	0	0	1	684.7	17.5	1.3	0.0	702.2	6
3	85	1610	-1	1	0	-0	0	373.5	9.0	0.9	0.0	382.5	6
4	85	1676	-1	1	0	0	0	388.9	10.0	0.8	0.0	398.9	6
5	85	2198	-1	1	0	0	0	510.0	10.8	0.8	0.0	520.8	6
6	85	4830	-1	0	0	0	1	1120.6	20.4	0.7	0.0	1141.0	6
7	85	2645	-1	0	0	0	0	613.7	9.6	0.5	0.0	623.3	6
8	85	2816	-1	0	0	0	0	653.4	11.7	0.5	0.0	665.1	6
9	85	3335	-1	0	0	0	0	773.8	12.8	0.4	0.0	786.6	6
10	85	-194	-2	1	0	0	1	44.9	18.0	1.3	0.0	62.9	6
11	85	-367	-1	1	0	-0	0	85.2	9.1	0.9	0.0	94.3	6
12	85	-341	-1	1	0	0	0	79.1	10.4	0.8	0.0	89.5	6
13	85	380	-1	1	0	0	0	88.2	11.0	0.8	0.0	99.2	6
14	85	-198	-1	0	0	0	1	45.9	19.5	0.8	0.0	65.4	6
15	85	-512	-1	0	0	0	0	118.9	9.0	0.6	0.0	127.8	6
16	85	-414	-1	0	0	0	0	95.9	11.3	0.5	0.0	107.2	6
17	85	535	-1	0	0	0	0	124.1	11.9	0.5	0.0	136.0	6

ASTA NUM. 216 NI 233 NF 231 Lungh. 101.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0628	0.2657	--	--	3.0990	4.4275 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	3835	1	0	0	-0	-0	889.8	3.4	1.0	0.0	893.2	6	
1E	0	3847	1	0	0	-0	-0	892.6	3.4	1.0	0.0	896.0	6	
1I	0	3825	1	0	0	-0	-0	887.4	3.4	1.0	0.0	890.9	6	
1M	0	3857	1	0	0	-0	-0	894.9	3.4	1.0	0.0	898.4	6	
2	0	3702	3	1	0	0	-0	858.9	3.8	1.8	0.0	862.7	6	
3	0	2114	2	0	0	-0	-0	490.5	2.2	1.1	0.0	492.7	6	
4	0	2250	2	0	0	-0	-0	522.0	2.3	1.1	0.0	524.3	6	
5	0	2618	2	0	0	0	-0	607.4	1.8	1.1	0.0	609.2	6	
6	0	5748	2	0	0	-0	-0	1333.6	5.1	1.5	0.0	1338.7	6	
7	0	3284	1	0	0	-0	-0	761.9	3.0	0.9	0.0	764.9	6	
8	0	3519	1	0	0	-0	-0	816.5	3.1	0.9	0.0	819.6	6	
9	0	3860	1	0	0	0	-0	895.6	2.1	0.9	0.0	897.7	6	
10	0	217	3	1	0	0	-0	50.4	1.6	1.8	0.0	52.1	6	
11	0	-71	2	0	0	0	-0	16.4	0.7	1.1	0.0	17.1	6	
12	0	51	2	0	0	0	-0	11.9	0.9	1.1	0.0	12.8	6	
13	0	495	2	0	0	0	0	114.8	0.9	1.1	0.0	115.7	1	
14	0	250	2	0	0	0	-0	58.1	1.2	1.6	0.0	59.3	1	
15	0	-162	1	0	0	0	0	37.6	0.1	0.9	0.0	37.7	1	
16	0	45	1	0	0	0	-0	10.4	0.6	0.9	0.0	11.1	1	
17	0	624	1	0	0	0	0	144.9	0.8	0.9	0.0	145.7	1	
1A	50	3836	-0	0	0	-0	0	890.0	9.5	0.1	0.0	899.5	6	
1E	50	3848	-0	0	0	-0	0	892.8	9.5	0.1	0.0	902.3	6	
1I	50	3826	-0	0	0	-0	0	887.6	9.7	0.1	0.0	897.4	6	
1M	50	3858	-0	0	0	-0	0	895.2	9.7	0.1	0.0	904.9	6	
2	50	3701	-0	1	0	-0	0	858.7	20.9	0.5	0.0	879.6	6	
3	50	2114	-0	0	0	-0	0	490.4	13.2	0.3	0.0	503.6	6	
4	50	2250	-0	0	0	-0	0	521.9	13.2	0.3	0.0	535.1	6	
5	50	2618	-0	0	0	-0	0	607.3	13.2	0.3	0.0	620.5	6	
6	50	5749	-0	0	0	-0	0	1333.8	14.2	0.2	0.0	1348.0	6	
7	50	3285	-0	0	0	-0	0	762.1	9.1	0.1	0.0	771.2	6	
8	50	3519	-0	0	0	-0	0	816.5	9.0	0.1	0.0	825.5	6	
9	50	3861	-0	0	0	-0	0	895.7	9.1	0.1	0.0	904.8	6	
10	50	216	-0	1	0	-0	1	50.2	22.8	0.5	0.0	73.0	6	
11	50	-71	-0	0	0	-0	0	16.5	14.5	0.3	0.0	31.0	6	
12	50	51	-0	0	0	-0	0	11.8	14.4	0.3	0.0	26.2	6	
13	50	494	-0	0	0	-0	0	114.7	14.5	0.3	0.0	129.2	6	
14	50	251	-0	0	0	-0	1	58.2	18.8	0.2	0.0	77.0	6	
15	50	-162	-0	0	0	-0	0	37.5	11.2	0.1	0.0	48.7	6	
16	50	45	-0	0	0	-0	0	10.5	11.1	0.1	0.0	21.6	6	
17	50	625	-0	0	0	-0	0	144.9	11.2	0.1	0.0	156.1	6	
1A	101	3837	-2	0	0	-0	-0	890.2	6.7	1.1	0.0	896.9	6	
1E	101	3849	-2	0	0	-0	-0	893.1	6.7	1.1	0.0	899.7	6	
1I	101	3827	-2	0	0	-0	-0	887.9	6.6	1.1	0.0	894.5	6	
1M	101	3859	-2	0	0	-0	-0	895.4	6.6	1.1	0.0	902.1	6	
2	101	3700	-3	1	0	-1	-0	858.5	28.8	2.2	0.0	887.3	1	
3	101	2113	-2	0	0	-0	-0	490.3	17.6	1.4	0.0	507.8	1	
4	101	2249	-2	0	0	-0	-0	521.8	17.7	1.4	0.0	539.5	1	
5	101	2617	-2	0	0	-0	-0	607.2	17.6	1.4	0.0	624.8	1	
6	101	5749	-3	0	0	-0	-0	1333.9	14.3	1.7	0.0	1348.2	6	
7	101	3285	-2	0	0	-0	-0	762.2	8.6	1.1	0.0	770.8	6	
8	101	3519	-2	0	0	-0	-0	816.5	8.6	1.1	0.0	825.1	6	
9	101	3861	-2	0	0	-0	-0	895.8	8.8	1.1	0.0	904.6	6	
10	101	216	-3	1	0	-1	-0	50.0	28.5	2.2	0.0	78.5	1	
11	101	-72	-2	0	0	-0	-0	16.6	17.2	1.4	0.0	33.9	1	
12	101	50	-2	0	0	-0	-0	11.7	17.5	1.4	0.0	29.2	1	
13	101	494	-2	0	0	-0	-0	114.6	17.5	1.4	0.0	132.0	1	
14	101	251	-3	0	0	-0	-0	58.3	12.1	1.9	0.0	70.4	1	
15	101	-161	-2	0	0	-0	-0	37.4	6.7	1.1	0.0	44.2	1	
16	101	46	-2	0	0	-0	-0	10.6	7.1	1.1	0.0	17.7	1	
17	101	625	-2	0	0	-0	-0	145.0	7.2	1.1	0.0	152.2	1	

ASTA NUM. 217 NI 126 NF 235 Lungh. 81.1 cm SEZ. 21 Ps L 75X 6

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	3717	-0	2	0	1	0	424.8	14.3	0.7	0.0	439.1	1	
1E	0	3773	-0	2	0	1	0	431.2	14.3	0.7	0.0	445.5	1	
1I	0	3735	-0	2	0	1	0	426.8	14.5	0.7	0.0	441.3	1	
1M	0	3755	-0	2	0	1	0	429.2	14.5	0.7	0.0	443.7	1	
2	0	4329	-0	-2	0	2	0	494.7	19.1	0.6	0.0	513.8	1	
3	0	-1235	0	-1	0	1	0	141.1	10.1	0.5	0.0	151.3	1	
4	0	2302	-0	-1	0	1	0	263.1	11.2	0.4	0.0	274.2	1	
5	0	2518	-0	-1	0	1	0	287.8	10.8	0.5	0.0	298.5	1	
6	0	6459	-0	2	0	2	0	738.2	22.9	0.7	0.0	761.0	1	
7	0	-1986	0	1	0	1	0	227.0	11.7	0.3	0.0	238.6	1	
8	0	3548	-0	1	0	1	0	405.5	13.5	0.4	0.0	419.0	1	
9	0	3829	-0	1	0	1	0	437.6	12.6	0.3	0.0	450.2	1	
10	0	5449	-0	-2	0	1	0	622.7	17.7	0.7	0.0	640.4	1	
11	0	-890	0	-2	0	1	0	101.7	9.1	0.5	0.0	110.8	1	
12	0	2909	-0	-1	0	1	0	332.5	10.2	0.5	0.0	342.7	1	
13	0	3252	-0	-1	0	1	0	371.7	10.9	0.5	0.0	382.6	1	
14	0	7468	-0	2	0	2	0	853.5	19.2	0.5	0.0	872.7	1	
15	0	-1691	0	1	0	1	-0	193.3	9.2	0.2	0.0	202.5	1	
16	0	4030	-0	1	0	1	0	460.6	11.1	0.3	0.0	471.6	1	
17	0	4517	-0	1	0	1	0	516.2	11.9	0.3	0.0	528.1	1	
1A	41	3720	-0	2	0	0	0	425.1	3.6	0.7	0.0	428.7	1	
1E	41	3776	-0	2	0	0	0	431.5	3.6	0.7	0.0	435.2	1	
1I	41	3738	-0	2	0	0	0	427.2	3.5	0.7	0.0	430.7	1	
1M	41	3758	-0	2	0	0	0	429.5	3.5	0.7	0.0	433.0	1	
2	41	4333	-0	4	0	1	0	495.2	14.9	1.2	0.0	510.1	1	
3	41	-1233	0	2	0	1	0	140.9	9.1	0.6	0.0	150.0	1	
4	41	2305	-0	2	0	1	0	263.4	9.1	0.7	0.0	272.5	1	
5	41	2521	-0	2	0	1	0	288.1	9.3	0.6	0.0	297.3	1	
6	41	6463	-0	4	0	1	0	738.6	8.3	1.2	0.0	746.9	1	
7	41	-1984	0	2	0	0	0	226.7	4.9	0.6	0.0	231.6	1	
8	41	3551	-0	2	0	0	0	405.8	5.0	0.7	0.0	410.8	1	
9	41	3832	-0	2	0	0	0	437.9	5.1	0.6	0.0	443.0	1	
10	41	5453	-0	3	0	1	0	623.2	14.7	1.1	0.0	637.9	1	
11	41	-887	0	2	0	1	0	101.4	9.0	0.6	0.0	110.4	1	
12	41	2911	-0	2	0	1	0	332.7	9.0	0.6	0.0	341.7	1	
13	41	3255	-0	2	0	1	0	371.9	9.3	0.7	0.0	381.2	1	
14	41	7472	-0	3	0	1	0	853.9	7.7	0.9	0.0	861.6	1	
15	41	-1689	0	1	0	0	0	193.0	4.5	0.5	0.0	197.5	1	

16	41	4032	-0	2	0	0	0	460.8	4.6	0.5	0.0	465.4	1
17	41	4520	-0	2	0	0	0	516.5	5.0	0.6	0.0	521.5	1
1A	81	3723	-0	2	0	-1	-0	425.5	7.1	0.7	0.0	432.6	1
1E	81	3779	-0	2	0	-1	-0	431.9	7.1	0.7	0.0	439.0	1
1I	81	3741	-0	2	0	-1	-0	427.5	7.5	0.7	0.0	435.0	1
1M	81	3761	-0	2	0	-1	-0	429.9	7.5	0.7	0.0	437.3	1
2	81	4337	-0	9	0	-1	0	495.7	16.7	3.0	0.0	512.4	1
3	81	-1231	0	5	0	-1	0	140.7	9.5	1.8	0.0	150.2	1
4	81	2307	-0	6	0	-1	0	263.7	10.1	1.8	0.0	273.8	1
5	81	2523	-0	5	0	-1	0	288.3	9.5	1.8	0.0	297.8	1
6	81	6467	-0	5	0	-1	-0	739.1	13.0	1.6	0.0	752.1	1
7	81	-1981	0	3	0	-1	0	226.4	6.1	0.9	0.0	232.5	1
8	81	3553	-0	3	0	-1	-0	406.1	7.7	1.0	0.0	413.7	1
9	81	3834	-0	3	0	-1	-0	438.2	6.5	0.9	0.0	444.6	1
10	81	5457	-0	9	0	-1	0	623.7	15.6	2.9	0.0	639.2	1
11	81	-885	0	5	0	-1	0	101.1	8.7	1.7	0.0	109.8	1
12	81	2913	-0	5	0	-1	0	332.9	9.4	1.8	0.0	342.4	1
13	81	3257	-0	5	0	-1	0	372.2	9.5	1.8	0.0	381.7	1
14	81	7476	-0	4	0	-1	-0	854.4	10.5	1.4	0.0	864.9	1
15	81	-1686	0	2	0	-0	0	192.7	4.4	0.7	0.0	197.1	1
16	81	4034	-0	3	0	-0	-0	461.0	6.1	0.8	0.0	467.1	1
17	81	4522	-0	3	0	-0	-0	516.8	6.1	0.8	0.0	522.9	1

ASTA NUM. 218 NI 235 NF 144 Lungh. 85.1 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0512	0.2628	--	--	3.1022	4.4162 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3263	2	0	0	-0	-0	757.0	7.5	1.3	0.0	764.5	6	
1E	0	3273	2	0	0	-0	-0	759.5	7.5	1.3	0.0	766.9	6	
1I	0	3256	2	0	0	-0	-0	755.5	7.0	1.3	0.0	762.5	6	
1M	0	3280	2	0	0	-0	-0	760.9	7.0	1.3	0.0	767.9	6	
2	0	3122	3	-1	0	-1	-0	724.4	25.7	2.2	0.0	750.0	1	
3	0	2231	2	-1	0	-0	-0	517.6	15.8	1.3	0.0	533.4	1	
4	0	2155	2	-1	0	-0	-0	500.0	15.7	1.3	0.0	515.7	1	
5	0	102	2	-1	0	-0	-0	23.5	14.9	1.3	0.0	38.5	1	
6	0	4892	3	-0	0	-0	-0	1135.0	13.1	2.1	0.0	1148.1	6	
7	0	3484	2	-0	0	-0	-0	808.4	7.2	1.2	0.0	815.5	1	
8	0	3300	2	-0	0	-0	-0	765.7	7.6	1.3	0.0	773.3	6	
9	0	97	2	-0	0	-0	-0	22.4	6.4	1.2	0.0	28.8	6	
10	0	-193	3	-1	0	-1	-0	44.8	24.5	2.2	0.0	69.3	1	
11	0	148	2	-1	0	-0	0	34.2	15.0	1.3	0.0	49.3	1	
12	0	133	2	-0	0	-0	-0	30.7	15.0	1.3	0.0	45.7	1	
13	0	-602	2	-0	0	-0	-0	139.7	15.0	1.3	0.0	154.7	1	
14	0	-136	3	-0	0	-0	-0	31.6	10.2	2.1	0.0	41.8	6	
15	0	327	2	-0	0	-0	-0	75.8	5.6	1.1	0.0	81.5	1	
16	0	233	2	-0	0	-0	-0	54.0	5.9	1.2	0.0	59.9	6	
17	0	-730	2	-0	0	-0	-0	169.4	5.9	1.2	0.0	175.3	6	
1A	43	3263	1	0	0	-0	0	757.1	12.3	0.4	0.0	769.4	6	
1E	43	3274	1	0	0	-0	0	759.6	12.3	0.4	0.0	771.9	6	
1I	43	3257	1	0	0	-0	0	755.6	12.4	0.4	0.0	768.1	6	
1M	43	3280	1	0	0	-0	0	761.1	12.4	0.4	0.0	773.5	6	
2	43	3121	1	-1	0	-0	1	724.1	29.5	0.6	0.0	753.7	6	
3	43	2230	0	-1	0	-0	0	517.5	18.1	0.4	0.0	535.6	6	
4	43	2154	0	-1	0	-0	0	499.9	18.2	0.3	0.0	518.1	6	
5	43	101	0	-1	0	-0	0	23.4	18.4	0.3	0.0	41.8	6	
6	43	4893	1	-0	0	-0	1	1135.2	21.0	0.7	0.0	1156.2	6	
7	43	3484	1	-0	0	-0	0	808.5	12.7	0.3	0.0	821.1	6	
8	43	3300	1	-0	0	-0	0	765.8	12.9	0.4	0.0	778.7	6	
9	43	97	1	-0	0	-0	0	22.5	13.1	0.4	0.0	35.6	6	
10	43	-194	1	-1	0	-0	1	45.0	30.2	0.5	0.0	75.2	6	
11	43	147	0	-1	0	-0	0	34.1	18.5	0.3	0.0	52.6	6	
12	43	132	0	-0	0	-0	0	30.6	18.6	0.3	0.0	49.2	6	
13	43	-603	0	-0	0	-0	0	139.8	18.7	0.3	0.0	158.5	6	
14	43	-136	1	-0	0	-0	1	31.5	22.4	0.6	0.0	53.9	6	
15	43	327	0	-0	0	-0	0	75.9	12.9	0.3	0.0	88.8	6	
16	43	233	1	-0	0	-0	0	54.1	13.2	0.3	0.0	67.2	6	
17	43	-730	1	-0	0	-0	0	169.3	13.2	0.4	0.0	182.5	6	
1A	85	3264	-1	0	0	-0	0	757.2	12.3	0.5	0.0	769.5	6	
1E	85	3274	-1	0	0	-0	0	759.7	12.3	0.5	0.0	772.0	6	
1I	85	3257	-1	0	0	-0	0	755.8	12.5	0.5	0.0	768.3	6	
1M	85	3281	-1	0	0	-0	0	761.2	12.5	0.5	0.0	773.7	6	
2	85	3120	-2	-1	0	-0	0	723.9	16.9	1.2	0.0	740.8	6	
3	85	2230	-1	-1	0	-0	0	517.4	8.9	0.8	0.0	526.3	6	
4	85	2154	-1	-1	0	-0	0	499.8	9.8	0.8	0.0	509.6	6	
5	85	101	-1	-1	0	-0	0	23.3	9.9	0.8	0.0	33.2	6	
6	85	4893	-1	-0	0	-0	1	1135.3	20.3	0.7	0.0	1155.6	6	
7	85	3485	-1	-0	0	-0	0	808.6	10.3	0.5	0.0	818.9	6	
8	85	3301	-1	-0	0	-0	0	765.9	11.9	0.5	0.0	777.8	6	
9	85	97	-1	-0	0	-0	0	22.5	11.7	0.5	0.0	34.3	6	
10	85	-195	-2	-1	0	-0	1	45.2	17.5	1.3	0.0	62.6	6	
11	85	147	-1	-1	0	-0	0	34.0	9.1	0.8	0.0	43.1	6	
12	85	132	-1	-0	0	-0	0	30.5	10.1	0.8	0.0	40.6	6	
13	85	-603	-1	-0	0	-0	0	139.9	10.4	0.8	0.0	150.3	6	
14	85	-135	-1	-0	0	-0	1	31.4	19.4	0.8	0.0	50.8	6	
15	85	328	-1	-0	0	-0	0	76.0	9.6	0.6	0.0	85.6	6	
16	85	233	-1	-0	0	-0	0	54.1	11.3	0.5	0.0	65.4	6	
17	85	-729	-1	-0	0	-0	0	169.2	11.5	0.5	0.0	180.8	6	

ASTA NUM. 219 NI 236 NF 235 Lungh. 101.0 cm SEZ. 19 Ps L 55X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.0628	0.2657	--	--	3.0990	4.4275 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	3801	2	-0	0	0	-0	881.9	3.8	1.0	0.0	885.7	6	
1E	0	3813	2	-0	0	0	-0	884.7	3.8	1.0	0.0	888.5	6	
1I	0	3791	1	-0	0	0	-0	879.5	3.8	1.0	0.0	883.3	6	
1M	0	3823	1	-0	0	0	-0	887.1	3.8	1.0	0.0	890.8	6	
2	0	3711	3	-1	0	-0	-0	861.0	4.3	1.9	0.0	865.3	6	
3	0	2459	2	-0	0	-0	-0	570.5	3.2	1.2	0.0	573.8	6	
4	0	2383	2	-0	0	-0	-0	552.9	2.8	1.2	0.0	555.7	6	
5	0	371	2	-0	0	0	-0	86.2	1.4	1.2	0.0	87.5	6	
6	0	5745	2	-0	0	0	-0	1332.9	5.6	1.5	0.0	1338.5	6	
7	0	3811	1	-0	0	0	-0	884.2	4.3	1.0	0.0	888.6	6	
8	0	3664	1	-0	0	0	-0	850.1	3.6	1.0	0.0	853.7	6	
9	0	433	1	-0	0	0	-0	100.4	1.6	1.0	0.0	101.9	6	
10	0	171	3	-1	0	-0	-0	39.7	2.1	1.9	0.0	41.8	6	
11	0	241	2	-0	0	-0	-0	55.8	1.9	1.2	0.0	57.7	6	
12	0	191	2	-0	0	-0	-0	44.4	1.4	1.2	0.0	45.9	6	
13	0	-252	2	-0	0	-0	-0	58.4	1.0	1.2	0.0	59.3	6	
14	0	247	2	-0	0	-0	-0	57.2	1.7	1.6	0.0	58.9	6	
15	0	365	1	-0	0	-0	-0	84.6	1.9	1.0	0.0	86.5	6	
16	0	258	1	-0	0	-0	-0	59.9	1.2	1.0	0.0	61.1	6	
17	0	-321	1	-0	0	-0	-0	74.4	0.8	0.9	0.0	75.2	6	
1A	50	3802	-0	-0	0	0	0	882.1	9.3	0.0	0.0	891.4	6	
1E	50	3814	-0	-0	0	0	0	884.9	9.3	0.0	0.0	894.2	6	
1I	50	3792	-0	-0	0	0	0	879.8	9.3	0.0	0.0	889.0	6	
1M	50	3824	-0	-0	0	0	0	887.3	9.3	0.0	0.0	896.5	6	
2	50	3710	-0	-1	0	0	1	860.8	21.5	0.5	0.0	882.3	6	
3	50	2459	-0	-0	0	0	0	570.4	13.6	0.3	0.0	584.0	6	
4	50	2383	-0	-0	0	0	0	552.8	13.5	0.3	0.0	566.3	6	
5	50	371	-0	-0	0	0	0	86.0	14.8	0.3	0.0	100.9	6	
6	50	5746	-0	-0	0	0	0	1333.1	14.3	0.2	0.0	1347.4	6	
7	50	3811	-0	-0	0	0	0	884.2	9.1	0.1	0.0	893.3	6	
8	50	3665	-0	-0	0	0	0	850.2	9.0	0.1	0.0	859.2	6	
9	50	433	-0	-0	0	0	0	100.5	11.0	0.1	0.0	111.5	6	
10	50	170	-0	-1	0	0	1	39.5	23.6	0.5	0.0	63.1	6	
11	50	240	-0	-0	0	0	0	55.7	14.9	0.3	0.0	70.5	6	
12	50	191	-0	-0	0	0	0	44.3	14.8	0.3	0.0	59.0	6	
13	50	-252	-0	-0	0	0	0	58.5	15.1	0.3	0.0	73.6	6	
14	50	247	-0	-0	0	0	1	57.3	18.9	0.2	0.0	76.3	6	
15	50	365	-0	-0	0	0	0	84.6	11.2	0.1	0.0	95.8	6	
16	50	258	-0	-0	0	0	0	60.0	11.0	0.1	0.0	71.0	6	
17	50	-320	-0	-0	0	0	0	74.3	11.4	0.1	0.0	85.7	6	
1A	101	3803	-2	-0	0	0	-0	882.3	6.3	1.1	0.0	888.7	6	
1E	101	3815	-2	-0	0	0	-0	885.2	6.3	1.1	0.0	891.5	6	
1I	101	3793	-2	-0	0	0	-0	880.0	5.9	1.1	0.0	885.9	6	
1M	101	3825	-2	-0	0	0	-0	887.5	5.9	1.1	0.0	893.4	6	
2	101	3709	-3	-1	0	1	-0	860.6	26.8	2.2	0.0	887.4	1	
3	101	2458	-2	-0	0	0	-0	570.3	15.8	1.3	0.0	586.1	1	
4	101	2382	-2	-0	0	0	-0	552.7	16.6	1.4	0.0	569.3	1	
5	101	370	-2	-0	0	0	-0	85.9	16.5	1.4	0.0	102.4	1	
6	101	5746	-3	-0	0	0	-0	1333.2	13.5	1.7	0.0	1346.7	6	
7	101	3811	-2	-0	0	0	-0	884.2	6.6	1.0	0.0	890.9	6	
8	101	3665	-2	-0	0	0	-0	850.3	8.1	1.1	0.0	858.5	6	
9	101	433	-2	-0	0	0	-0	100.5	7.6	1.1	0.0	108.1	1	
10	101	170	-3	-1	0	1	-0	39.3	26.4	2.2	0.0	65.7	1	
11	101	239	-2	-0	0	0	-0	55.5	15.4	1.3	0.0	70.9	1	
12	101	190	-2	-0	0	0	-0	44.2	16.3	1.4	0.0	60.5	1	
13	101	-253	-2	-0	0	0	-0	58.6	16.5	1.4	0.0	75.1	1	
14	101	248	-3	-0	0	0	-0	57.5	11.6	1.8	0.0	69.0	1	
15	101	365	-2	-0	0	0	-0	84.7	5.7	1.0	0.0	90.4	1	
16	101	259	-2	-0	0	0	-0	60.0	7.2	1.1	0.0	67.2	1	
17	101	-320	-2	-0	0	0	-0	74.3	7.4	1.1	0.0	81.7	1	

ASTA NUM. 220 NI 233 NF 235 Lungh. 166.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5554	0.1389	--	--	2.3452	3.0396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-151	2	-0	0	-0	0	49.1	0.5	1.8	0.0	49.6	1	
1E	0	-149	2	-0	0	-0	0	48.4	0.5	1.8	0.0	49.0	1	
1I	0	-151	2	-0	0	-0	0	48.9	0.5	1.8	0.0	49.4	1	
1M	0	-150	2	-0	0	-0	0	48.6	0.5	1.8	0.0	49.2	1	
2	0	-167	3	-4	0	-0	0	54.2	1.8	3.9	0.0	56.0	1	
3	0	39	2	-3	0	-0	0	12.7	1.0	2.4	0.0	14.0	4	
4	0	-69	2	-3	0	-0	0	22.4	1.1	2.4	0.0	23.5	1	
5	0	-168	2	-3	0	-0	-0	54.5	1.3	2.4	0.0	55.8	1	
6	0	-242	3	-1	0	-0	0	78.7	1.1	2.7	0.0	79.8	1	
7	0	67	2	-1	0	-0	0	21.9	0.9	1.7	0.0	22.8	6	
8	0	-111	2	-1	0	-0	0	35.9	0.7	1.7	0.0	36.5	1	
9	0	-194	2	-1	0	-0	-0	63.0	1.0	1.7	0.0	64.0	6	
10	0	-202	3	-4	0	-0	-0	65.7	1.7	3.9	0.0	67.4	1	
11	0	28	2	-3	0	-0	0	9.0	0.7	2.4	0.0	10.5	4	
12	0	-80	2	-3	0	-0	0	25.9	0.8	2.4	0.0	26.7	1	
13	0	-324	2	-3	0	-0	-0	105.3	1.4	2.4	0.0	106.7	6	
14	0	-262	3	-1	0	-0	-0	85.1	1.0	2.9	0.0	86.1	6	
15	0	65	2	-1	0	-0	0	21.1	0.1	1.7	0.0	21.3	5	
16	0	-105	2	-1	0	-0	0	34.0	0.2	1.7	0.0	34.2	1	
17	0	-424	2	-1	0	-0	-0	137.7	1.2	1.7	0.0	138.9	6	
1A	83	-151	-0	-0	0	0	1	48.9	51.4	0.0	0.0	100.4	6	
1E	83	-149	-0	-0	0	0	1	48.3	51.4	0.0	0.0	99.7	6	
1I	83	-150	-0	-0	0	0	1	48.7	51.3	0.0	0.0	100.1	6	
1M	83	-149	-0	-0	0	0	1	48.5	51.3	0.0	0.0	99.8	6	
2	83	-169	-0	-0	0	2	1	54.9	148.3	0.1	0.0	203.2	1	
3	83	38	-0	-0	0	1	1	12.3	92.7	0.1	0.0	104.9	1	
4	83	-70	-0	-0	0	1	1	22.9	92.7	0.1	0.0	115.5	1	
5	83	-169	-0	-0	0	1	1	54.9	92.5	0.1	0.0	147.5	1	
6	83	-242	-0	-0	0	0	1	78.7	87.4	0.0	0.0	166.1	6	
7	83	67	-0	-0	0	0	1	21.9	54.8	0.0	0.0	76.7	6	
8	83	-111	-0	-0	0	0	1	35.9	54.7	0.0	0.0	90.5	6	
9	83	-194	-0	-0	0	0	1	63.0	54.2	0.0	0.0	117.2	6	
10	83	-204	-0	-0	0	2	1	66.3	148.3	0.1	0.0	214.6	1	
11	83	26	-0	-0	0	1	1	8.5	92.6	0.0	0.0	101.2	1	
12	83	-81	-0	-0	0	1	1	26.3	92.6	0.1	0.0	119.0	1	
13	83	-326	-0	-0	0	1	1	105.7	92.5	0.1	0.0	198.2	1	
14	83	-262	-0	-0	0	0	1	85.1	92.7	0.0	0.0	177.8	6	
15	83	65	-0	-0	0	0	1	21.1	54.9	0.0	0.0	76.0	6	
16	83	-105	-0	-0	0	0	1	34.0	54.8	0.0	0.0	88.7	6	
17	83	-424	-0	-0	0	0	1	137.7	54.3	0.0	0.0	192.0	6	
1A	167	-150	-2	-0	0	0	-0	48.8	2.7	1.8	0.0	51.5	6	
1E	167	-148	-2	-0	0	0	-0	48.1	2.7	1.8	0.0	50.8	6	
1I	167	-150	-2	-0	0	0	-0	48.6	2.7	1.8	0.0	51.2	6	
1M	167	-149	-2	-0	0	0	-0	48.3	2.7	1.8	0.0	51.0	6	
2	167	-171	-3	4	0	0	-0	55.5	10.1	3.7	0.0	65.7	1	
3	167	37	-2	3	0	0	-0	11.9	6.2	2.3	0.0	18.0	1	
4	167	-72	-2	2	0	0	-0	23.3	6.3	2.3	0.0	29.6	1	
5	167	-171	-2	2	0	0	-0	55.4	6.2	2.3	0.0	61.6	1	
6	167	-242	-3	1	0	0	-0	78.7	5.3	2.7	0.0	83.9	1	
7	167	67	-2	1	0	0	-0	21.9	3.5	1.7	0.0	25.3	6	
8	167	-111	-2	1	0	0	-0	35.9	3.3	1.7	0.0	39.2	6	
9	167	-194	-2	1	0	0	-0	63.0	3.3	1.7	0.0	66.3	6	
10	167	-206	-3	4	0	0	-0	67.0	9.3	3.7	0.0	76.3	1	
11	167	25	-2	3	0	0	-0	8.1	5.7	2.3	0.0	13.8	1	
12	167	-82	-2	3	0	0	-0	26.8	5.8	2.3	0.0	32.6	1	
13	167	-327	-2	3	0	0	-0	106.1	5.8	2.3	0.0	112.0	1	
14	167	-262	-3	1	0	0	-0	85.1	3.9	2.9	0.0	89.0	1	
15	167	65	-2	1	0	0	-0	21.1	2.6	1.7	0.0	23.6	6	
16	167	-105	-2	1	0	0	-0	34.0	2.6	1.7	0.0	36.5	6	
17	167	-424	-2	1	0	0	-0	137.7	2.5	1.7	0.0	140.1	1	

ASTA NUM. 221 NI 236 NF 231 Lungh. 166.7 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.5554	0.1389	--	--	2.3452	3.0396 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-133	2	0	0	0	0	43.1	0.6	1.8	0.0	43.7	1	
1E	0	-131	2	0	0	0	0	42.4	0.6	1.8	0.0	43.0	1	
1I	0	-132	2	0	0	0	0	42.9	0.6	1.8	0.0	43.5	1	
1M	0	-131	2	0	0	0	0	42.6	0.6	1.8	0.0	43.2	1	
2	0	-172	3	4	0	0	-0	55.8	2.1	3.9	0.0	57.9	1	
3	0	-151	2	3	0	0	-0	49.1	1.6	2.4	0.0	50.7	1	
4	0	-142	2	3	0	0	0	46.1	1.2	2.4	0.0	47.3	1	
5	0	-41	2	3	0	0	0	13.3	1.0	2.4	0.0	14.6	4	
6	0	-240	3	1	0	0	0	78.0	1.2	2.7	0.0	79.2	1	
7	0	-222	2	1	0	0	-0	72.2	1.3	1.7	0.0	73.5	6	
8	0	-191	2	1	0	0	0	61.9	0.8	1.7	0.0	62.6	1	
9	0	-102	2	1	0	0	0	33.2	0.6	1.7	0.0	33.7	1	
10	0	-177	3	4	0	0	-0	57.4	1.8	3.9	0.0	59.3	1	
11	0	-144	2	3	0	0	-0	46.6	1.5	2.4	0.0	48.1	6	
12	0	-157	2	3	0	0	-0	50.9	1.3	2.4	0.0	52.2	1	
13	0	87	2	3	0	0	0	28.1	0.8	2.4	0.0	29.0	1	
14	0	-260	3	1	0	0	-0	84.4	1.2	2.9	0.0	85.7	6	
15	0	-225	2	1	0	0	-0	73.1	1.6	1.7	0.0	74.6	6	
16	0	-222	2	1	0	0	-0	72.0	1.0	1.7	0.0	73.1	6	
17	0	96	2	1	0	0	0	31.2	0.3	1.7	0.0	31.5	1	
1A	83	-132	-0	0	0	0	-0	1	42.9	51.5	0.0	0.0	94.5	6
1E	83	-130	-0	0	0	0	-0	1	42.3	51.5	0.0	0.0	93.8	6
1I	83	-132	-0	0	0	0	-0	1	42.7	51.5	0.0	0.0	94.3	6
1M	83	-131	-0	0	0	0	-0	1	42.5	51.5	0.0	0.0	94.0	6
2	83	-174	-0	0	0	0	-2	1	56.5	148.5	0.1	0.0	204.9	1
3	83	-152	-0	0	0	0	-1	1	49.5	92.8	0.1	0.0	142.2	1
4	83	-143	-0	0	0	0	-1	1	46.5	92.7	0.1	0.0	139.3	1
5	83	-42	-0	0	0	0	-1	1	13.7	92.9	0.1	0.0	106.6	1
6	83	-240	-0	0	0	0	-0	1	78.0	87.4	0.0	0.0	165.4	6
7	83	-222	-0	0	0	0	-0	1	72.2	54.6	0.0	0.0	126.8	6
8	83	-191	-0	0	0	0	-0	1	61.9	54.6	0.0	0.0	116.5	6
9	83	-102	-0	0	0	0	-0	1	33.2	55.2	0.0	0.0	88.4	6
10	83	-179	-0	0	0	0	-2	1	58.1	148.5	0.1	0.0	206.6	1
11	83	-145	-0	0	0	0	-1	1	47.1	92.7	0.1	0.0	139.8	1
12	83	-158	-0	0	0	0	-1	1	51.3	92.7	0.1	0.0	144.0	1
13	83	85	-0	0	0	0	-1	1	27.7	92.9	0.1	0.0	120.6	1
14	83	-260	-0	0	0	0	-0	1	84.4	92.7	0.0	0.0	177.2	6
15	83	-225	0	0	0	0	-0	1	73.1	54.7	0.0	0.0	127.8	6
16	83	-222	-0	0	0	0	-0	1	72.0	54.7	0.0	0.0	126.7	6
17	83	96	-0	0	0	0	-0	1	31.2	55.1	0.0	0.0	86.3	6
1A	167	-132	-2	0	0	0	-0	-0	42.8	2.7	1.8	0.0	45.4	6
1E	167	-130	-2	0	0	0	-0	-0	42.1	2.7	1.8	0.0	44.8	6
1I	167	-131	-2	0	0	0	-0	-0	42.6	2.8	1.8	0.0	45.4	6
1M	167	-130	-2	0	0	0	-0	-0	42.3	2.8	1.8	0.0	45.1	6
2	167	-176	-3	-4	0	0	-0	-0	57.1	10.7	3.7	0.0	67.8	1
3	167	-154	-2	-2	0	0	-0	-0	49.9	6.5	2.3	0.0	56.4	1
4	167	-145	-2	-2	0	0	-0	-0	46.9	6.6	2.3	0.0	53.5	1
5	167	-43	-2	-2	0	0	-0	-0	14.1	6.3	2.3	0.0	20.4	1
6	167	-240	-3	-1	0	0	-0	-0	78.0	5.4	2.7	0.0	83.3	1
7	167	-222	-2	-1	0	0	-0	-0	72.2	3.1	1.7	0.0	75.3	1
8	167	-191	-2	-1	0	0	-0	-0	61.9	3.2	1.7	0.0	65.1	1
9	167	-102	-2	-1	0	0	-0	-0	33.2	2.7	1.7	0.0	35.9	1
10	167	-181	-3	-4	0	0	-0	-0	58.8	9.9	3.7	0.0	68.7	1
11	167	-146	-2	-2	0	0	-0	-0	47.5	6.0	2.3	0.0	53.5	1
12	167	-159	-2	-2	0	0	-0	-0	51.8	6.1	2.3	0.0	57.8	1
13	167	84	-2	-3	0	0	-0	-0	27.3	6.1	2.3	0.0	33.4	1
14	167	-260	-3	-1	0	0	-0	-0	84.4	4.0	2.9	0.0	88.4	1
15	167	-225	-2	-1	0	0	-0	-0	73.1	2.2	1.7	0.0	75.3	1
16	167	-222	-2	-1	0	0	-0	-0	72.0	2.3	1.7	0.0	74.4	1
17	167	96	-2	-1	0	0	-0	-0	31.2	2.4	1.7	0.0	33.6	1

ASTA NUM. 222 NI 231 NF 144 Lungh. 157.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4557	0.1139	--	--	2.3610	2.9306 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	891	2	0	0	0	-0	289.4	2.2	1.8	0.0	291.5	6	
1E	0	905	2	0	0	0	-0	294.0	2.2	1.8	0.0	296.1	6	
1I	0	893	2	0	0	0	-0	290.0	2.2	1.8	0.0	292.2	6	
1M	0	904	2	0	0	0	-0	293.4	2.2	1.8	0.0	295.6	6	
2	0	1089	3	-4	0	0	0	353.6	10.4	3.8	0.0	364.0	1	
3	0	696	2	-3	0	0	0	225.9	6.4	2.4	0.0	232.3	1	
4	0	837	2	-3	0	0	0	271.6	6.4	2.4	0.0	278.0	1	
5	0	664	2	-3	0	0	0	215.6	6.6	2.4	0.0	222.2	1	
6	0	1390	3	-1	0	0	-0	451.3	4.4	2.6	0.0	455.7	1	
7	0	909	2	-1	0	0	-0	295.2	2.5	1.6	0.0	297.7	1	
8	0	1063	2	-1	0	0	-0	345.1	2.6	1.6	0.0	347.7	1	
9	0	832	2	-1	0	0	-0	270.0	2.9	1.6	0.0	272.9	1	
10	0	461	3	-4	0	0	0	149.8	10.5	3.8	0.0	160.3	1	
11	0	326	2	-3	0	0	0	105.7	6.4	2.4	0.0	112.1	1	
12	0	488	2	-3	0	0	0	158.5	6.4	2.4	0.0	164.9	1	
13	0	246	2	-3	0	0	0	79.9	6.6	2.4	0.0	86.5	1	
14	0	511	3	-1	0	0	-0	165.8	4.2	2.8	0.0	170.0	1	
15	0	380	2	-1	0	0	-0	123.3	2.3	1.6	0.0	125.6	1	
16	0	584	2	-1	0	0	-0	189.5	2.4	1.6	0.0	191.9	1	
17	0	256	2	-1	0	0	-0	83.1	2.7	1.6	0.0	85.8	1	

1A	79	892	0	0	0	0	1	289.5	47.3	0.0	0.0	336.8	6
1E	79	906	0	0	0	0	1	294.1	47.3	0.0	0.0	341.4	6
1I	79	894	0	0	0	0	1	290.1	47.4	0.0	0.0	337.6	6
1M	79	904	0	0	0	0	1	293.5	47.4	0.0	0.0	341.0	6
2	79	1087	0	0	0	2	1	352.9	144.6	0.1	0.0	497.5	1
3	79	695	0	0	0	1	1	225.5	90.2	0.1	0.0	315.7	1
4	79	835	0	0	0	1	1	271.3	90.2	0.1	0.0	361.4	1
5	79	663	0	0	0	1	1	215.2	90.4	0.1	0.0	305.6	1
6	79	1390	0	0	0	0	1	451.3	80.9	0.0	0.0	532.2	6
7	79	909	0	0	0	0	1	295.2	50.3	0.0	0.0	345.5	6
8	79	1063	0	0	0	0	1	345.1	50.4	0.0	0.0	395.5	6
9	79	832	0	0	0	0	1	270.0	50.6	0.0	0.0	320.6	6
10	79	460	0	0	0	2	1	149.2	144.5	0.1	0.0	293.7	1
11	79	324	0	0	0	1	1	105.3	90.1	0.1	0.0	195.4	1
12	79	487	0	0	0	1	1	158.1	90.1	0.1	0.0	248.2	1
13	79	245	0	0	0	1	1	79.5	90.3	0.1	0.0	169.9	1
14	79	511	0	0	0	0	1	165.8	85.5	0.0	0.0	251.3	6
15	79	380	0	0	0	0	1	123.3	50.3	0.0	0.0	173.6	6
16	79	584	0	0	0	0	1	189.5	50.3	0.0	0.0	239.8	6
17	79	256	0	0	0	0	1	83.1	50.6	0.0	0.0	133.6	6
1A	158	892	-2	0	0	0	0	289.7	1.7	1.7	0.0	291.3	6
1E	158	906	-2	0	0	0	0	294.2	1.7	1.7	0.0	295.9	6
1I	158	894	-2	0	0	0	0	290.2	1.8	1.7	0.0	292.0	6
1M	158	904	-2	0	0	0	0	293.7	1.8	1.7	0.0	295.4	6
2	158	1085	-3	4	0	0	0	352.3	2.5	4.0	0.0	354.8	6
3	158	693	-2	3	0	0	0	225.1	1.1	2.5	0.0	226.3	6
4	158	834	-2	3	0	0	0	270.9	1.4	2.5	0.0	272.2	6
5	158	662	-2	3	0	0	0	214.8	1.5	2.5	0.0	216.4	6
6	158	1390	-3	1	0	0	0	451.3	2.8	2.5	0.0	454.1	6
7	158	909	-2	1	0	0	0	295.2	1.1	1.6	0.0	296.3	6
8	158	1063	-2	1	0	0	0	345.1	1.6	1.6	0.0	346.7	6
9	158	832	-2	1	0	0	0	270.0	1.8	1.6	0.0	271.8	6
10	158	458	-3	4	0	0	0	148.6	2.5	4.0	0.0	151.1	6
11	158	323	-2	3	0	-0	0	104.9	1.2	2.5	0.0	106.1	6
12	158	486	-2	3	0	-0	0	157.8	1.4	2.5	0.0	159.2	6
13	158	244	-2	3	0	0	0	79.2	1.6	2.5	0.0	80.7	6
14	158	511	-3	1	0	0	0	165.8	2.5	2.7	0.0	168.3	6
15	158	380	-2	1	0	0	0	123.3	0.9	1.6	0.0	124.2	6
16	158	584	-2	1	0	0	0	189.4	1.3	1.6	0.0	190.8	6
17	158	256	-2	1	0	0	0	83.1	1.6	1.6	0.0	84.6	6

ASTA NUM. 223 NI 235 NF 145 Lungh. 157.5 cm SEZ. 6 Ps L 40X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4557	0.1139	--	--	2.3610	2.9306 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	812	2	0	0	-0	-0	263.5	2.0	1.8	0.0	265.5	6	
1E	0	826	2	0	0	-0	-0	268.1	2.0	1.8	0.0	270.1	6	
1I	0	813	2	0	0	-0	-0	264.1	1.8	1.8	0.0	265.9	6	
1M	0	824	2	0	0	-0	-0	267.5	1.8	1.8	0.0	269.3	6	
2	0	803	3	4	0	-0	-0	260.8	9.9	3.9	0.0	270.8	1	
3	0	404	2	3	0	-0	0	131.0	6.0	2.4	0.0	137.0	1	
4	0	281	2	3	0	-0	0	91.1	6.1	2.4	0.0	97.2	1	
5	0	253	2	3	0	-0	0	82.2	5.8	2.4	0.0	88.0	1	
6	0	1266	3	1	0	-0	-0	411.0	4.3	2.6	0.0	415.3	1	
7	0	655	2	1	0	-0	-0	212.5	2.5	1.6	0.0	215.0	1	
8	0	525	2	1	0	-0	-0	170.5	2.7	1.6	0.0	173.1	1	
9	0	387	2	1	0	-0	-0	125.5	2.3	1.6	0.0	127.9	1	
10	0	355	3	4	0	-0	-0	115.3	9.9	3.9	0.0	125.2	1	
11	0	145	2	3	0	-0	0	47.1	6.0	2.4	0.0	53.1	1	
12	0	-39	2	3	0	-0	0	12.5	6.1	2.4	0.0	18.6	1	
13	0	229	2	3	0	-0	0	74.3	5.9	2.4	0.0	80.1	1	
14	0	387	3	1	0	-0	-0	125.6	4.1	2.8	0.0	129.7	1	
15	0	125	2	1	0	-0	-0	40.6	2.4	1.6	0.0	43.0	1	
16	0	-88	2	1	0	-0	-0	28.5	2.5	1.6	0.0	31.1	1	
17	0	266	2	1	0	-0	-0	86.5	2.4	1.6	0.0	88.9	1	
1A	79	812	0	0	0	-0	1	263.6	47.2	0.0	0.0	310.9	6	
1E	79	826	0	0	0	-0	1	268.2	47.2	0.0	0.0	315.5	6	
1I	79	814	0	0	0	-0	1	264.2	47.2	0.0	0.0	311.4	6	
1M	79	824	0	0	0	-0	1	267.6	47.2	0.0	0.0	314.9	6	
2	79	802	0	-0	0	-2	1	260.2	144.1	0.1	0.0	404.4	1	
3	79	402	0	-0	0	-1	1	130.7	90.1	0.1	0.0	220.8	1	
4	79	280	0	-0	0	-1	1	90.8	90.1	0.1	0.0	180.8	1	
5	79	252	0	-0	0	-1	1	81.8	89.8	0.1	0.0	171.6	1	
6	79	1266	0	-0	0	-0	1	411.0	80.8	0.0	0.0	491.9	6	
7	79	655	0	-0	0	-0	1	212.5	50.7	0.0	0.0	263.2	6	
8	79	525	0	-0	0	-0	1	170.5	50.6	0.0	0.0	221.0	6	
9	79	387	0	-0	0	-0	1	125.5	50.4	0.0	0.0	175.9	6	
10	79	353	0	-0	0	-2	1	114.7	144.0	0.1	0.0	258.7	1	
11	79	144	0	-0	0	-1	1	46.7	90.0	0.1	0.0	136.8	1	
12	79	-40	0	-0	0	-1	1	12.9	90.0	0.1	0.0	102.9	1	
13	79	228	0	-0	0	-1	1	73.9	89.8	0.1	0.0	163.7	1	
14	79	387	0	-0	0	-0	1	125.6	85.5	0.0	0.0	211.1	6	
15	79	125	0	-0	0	-0	1	40.6	50.7	0.0	0.0	91.3	6	
16	79	-88	0	-0	0	-0	1	28.5	50.6	0.0	0.0	79.1	6	
17	79	266	0	-0	0	-0	1	86.5	50.4	0.0	0.0	136.9	6	
1A	158	812	-2	0	0	-0	0	263.7	1.7	1.7	0.0	265.4	6	
1E	158	826	-2	0	0	-0	0	268.3	1.7	1.7	0.0	270.0	6	
1I	158	814	-2	0	0	-0	0	264.3	1.8	1.7	0.0	266.1	6	
1M	158	825	-2	0	0	-0	0	267.7	1.8	1.7	0.0	269.5	6	
2	158	800	-3	-4	0	-0	0	259.6	2.7	4.0	0.0	262.3	6	
3	158	401	-2	-3	0	-0	0	130.3	1.6	2.5	0.0	131.9	6	
4	158	278	-2	-3	0	-0	0	90.4	1.6	2.5	0.0	92.0	6	
5	158	251	-2	-3	0	0	0	81.4	1.6	2.5	0.0	83.0	6	
6	158	1266	-3	-1	0	-0	0	411.0	2.9	2.5	0.0	414.0	6	
7	158	655	-2	-1	0	-0	0	212.5	1.8	1.6	0.0	214.3	6	
8	158	525	-2	-1	0	-0	0	170.5	1.7	1.6	0.0	172.2	6	
9	158	387	-2	-1	0	-0	0	125.5	1.6	1.6	0.0	127.1	6	
10	158	351	-3	-4	0	-0	0	114.1	2.7	4.0	0.0	116.8	6	
11	158	143	-2	-3	0	-0	0	46.4	1.6	2.5	0.0	48.0	6	
12	158	-41	-2	-3	0	-0	0	13.3	1.6	2.5	0.0	14.9	6	
13	158	226	-2	-3	0	0	0	73.5	1.7	2.5	0.0	75.2	6	
14	158	387	-3	-1	0	-0	0	125.6	2.6	2.7	0.0	128.3	6	
15	158	125	-2	-1	0	-0	0	40.6	1.6	1.6	0.0	42.2	6	
16	158	-88	-2	-1	0	-0	0	28.5	1.6	1.6	0.0	30.1	6	
17	158	266	-2	-1	0	-0	0	86.5	1.5	1.6	0.0	88.0	6	

ASTA NUM. 224 NI 138 NF 231 Lungh. 104.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-449	1	-0	0	-0	0	95.4	4.5	0.7	0.0	99.8	1	
1E	0	-407	1	-0	0	-0	0	86.5	4.5	0.7	0.0	90.9	1	
1I	0	-436	1	-0	0	-0	0	92.6	4.5	0.7	0.0	97.1	1	
1M	0	-420	1	-0	0	-0	0	89.2	4.5	0.7	0.0	93.7	1	
2	0	-707	2	6	0	-0	0	150.0	5.3	3.5	0.0	155.3	1	
3	0	-1257	1	4	0	-0	0	266.9	3.6	2.2	0.0	270.4	1	
4	0	-678	1	4	0	-0	0	144.0	3.3	2.2	0.0	147.3	1	
5	0	-653	1	4	0	-0	0	138.6	3.2	2.2	0.0	141.8	1	
6	0	-657	2	1	0	-0	0	139.4	7.1	1.0	0.0	146.5	1	
7	0	-1683	1	1	0	-0	0	357.3	4.9	0.6	0.0	362.2	1	
8	0	-706	1	1	0	-0	0	149.9	4.4	0.6	0.0	154.4	1	
9	0	-668	1	1	0	-0	0	141.9	4.4	0.6	0.0	146.3	1	
10	0	-481	2	6	0	-0	0	102.0	4.8	3.5	0.0	106.8	1	
11	0	-1140	1	4	0	-0	0	242.0	3.2	2.2	0.0	245.3	1	
12	0	-601	1	4	0	-0	0	127.6	3.1	2.2	0.0	130.6	1	
13	0	-494	1	4	0	-0	0	105.0	2.8	2.2	0.0	107.8	1	
14	0	-473	2	1	0	-0	0	100.4	6.0	1.1	0.0	106.4	1	
15	0	-1591	1	1	0	-0	0	337.8	4.2	0.6	0.0	342.0	1	
16	0	-695	1	1	0	-0	0	147.5	3.9	0.6	0.0	151.3	1	
17	0	-527	1	1	0	-0	0	111.9	3.5	0.6	0.0	115.4	1	
1A	52	-448	-0	-0	0	-0	0	95.0	9.5	0.1	0.0	104.5	6	
1E	52	-406	-0	-0	0	-0	0	86.2	9.5	0.1	0.0	95.7	6	
1I	52	-435	-0	-0	0	-0	0	92.3	9.4	0.1	0.0	101.6	6	
1M	52	-419	-0	-0	0	-0	0	88.9	9.4	0.1	0.0	98.3	6	
2	52	-705	0	0	0	-2	0	149.6	52.2	0.0	0.0	201.8	1	
3	52	-1256	-0	0	0	-1	0	266.6	33.0	0.0	0.0	299.6	1	
4	52	-677	-0	0	0	-1	0	143.8	32.7	0.0	0.0	176.4	1	
5	52	-651	0	0	0	-1	0	138.3	32.7	0.0	0.0	171.0	1	
6	52	-654	-0	-0	0	-0	0	138.9	18.2	0.1	0.0	157.1	1	
7	52	-1682	-0	-0	0	-0	0	357.0	12.0	0.1	0.0	369.0	1	
8	52	-705	-0	-0	0	-0	0	149.6	11.5	0.1	0.0	161.1	1	
9	52	-667	-0	-0	0	-0	0	141.6	11.5	0.1	0.0	153.1	1	
10	52	-478	0	0	0	-2	0	101.6	51.9	0.1	0.0	153.5	1	
11	52	-1139	-0	0	0	-1	0	241.8	32.9	0.0	0.0	274.7	1	
12	52	-600	-0	0	0	-1	0	127.3	32.6	0.0	0.0	159.9	1	
13	52	-493	0	0	0	-1	0	104.7	32.4	0.0	0.0	137.1	1	
14	52	-471	-0	-0	0	-0	0	100.0	18.4	0.1	0.0	118.4	6	
15	52	-1590	-0	-0	0	-0	0	337.6	11.8	0.1	0.0	349.4	1	
16	52	-693	-0	-0	0	-0	0	147.2	11.3	0.1	0.0	158.5	1	
17	52	-526	-0	-0	0	-0	0	111.7	11.0	0.1	0.0	122.7	1	
1A	105	-446	-1	-0	0	0	-0	94.7	1.7	0.8	0.0	96.4	1	
1E	105	-404	-1	-0	0	0	-0	85.8	1.7	0.8	0.0	87.5	1	
1I	105	-433	-1	-0	0	0	-0	91.9	2.3	0.8	0.0	94.2	1	
1M	105	-417	-1	-0	0	0	-0	88.6	2.3	0.8	0.0	90.9	1	
2	105	-703	-2	-6	0	-0	0	149.2	7.5	3.4	0.0	156.6	1	
3	105	-1254	-1	-3	0	-0	0	266.2	5.3	2.1	0.0	271.5	1	
4	105	-676	-1	-3	0	-0	0	143.5	4.9	2.1	0.0	148.4	1	

5	105	-650	-1	-3	0	-0	0	138.0	5.0	2.1	0.0	143.0	1
6	105	-652	-2	-2	0	0	-0	138.5	0.5	1.1	0.0	139.0	6
7	105	-1680	-1	-1	0	-0	0	356.7	0.6	0.7	0.0	357.2	1
8	105	-704	-1	-1	0	-0	-0	149.4	0.3	0.7	0.0	149.7	6
9	105	-666	-1	-1	0	-0	0	141.3	0.2	0.7	0.0	141.5	1
10	105	-476	-2	-6	0	-0	0	101.1	7.5	3.4	0.0	108.6	1
11	105	-1138	-1	-3	0	-0	0	241.6	5.3	2.1	0.0	246.9	1
12	105	-598	-1	-3	0	-0	0	127.0	4.9	2.1	0.0	131.9	1
13	105	-492	-1	-3	0	-0	0	104.4	4.8	2.1	0.0	109.2	1
14	105	-469	-2	-2	0	-0	-0	99.5	0.5	1.2	0.0	100.0	6
15	105	-1589	-1	-1	0	-0	0	337.4	0.8	0.7	0.0	338.2	1
16	105	-692	-1	-1	0	-0	-0	146.9	0.5	0.7	0.0	147.4	6
17	105	-525	-1	-1	0	-0	-0	111.4	0.4	0.7	0.0	111.8	6

ASTA NUM. 225 NI 138 NF 235 Lungh. 104.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-12	1	0	0	0	0	2.5	4.2	0.7	0.0	6.7	1	
1E	0	30	1	0	0	0	0	6.3	4.2	0.7	0.0	10.5	1	
1I	0	1	1	0	0	0	0	0.2	4.2	0.7	0.0	4.4	1	
1M	0	17	1	0	0	0	0	3.6	4.2	0.7	0.0	7.7	1	
2	0	159	2	-6	0	0	0	33.7	4.6	3.5	0.0	38.2	1	
3	0	839	1	-4	0	0	-0	178.0	2.3	2.2	0.0	180.3	1	
4	0	416	1	-4	0	0	0	88.3	2.4	2.2	0.0	90.6	1	
5	0	356	1	-4	0	0	0	75.6	2.2	2.2	0.0	77.8	1	
6	0	24	2	-1	0	0	0	5.0	6.6	1.0	0.0	11.6	1	
7	0	1161	1	-1	0	0	-0	246.5	3.1	0.7	0.0	249.6	1	
8	0	398	1	-1	0	0	0	84.5	3.5	0.6	0.0	87.9	1	
9	0	334	1	-1	0	0	0	70.9	3.0	0.6	0.0	73.9	1	
10	0	103	2	-6	0	0	0	22.0	4.3	3.5	0.0	26.2	1	
11	0	779	1	-4	0	0	-0	165.5	2.1	2.2	0.0	167.5	1	
12	0	440	1	-4	0	0	0	93.5	2.2	2.2	0.0	95.7	1	
13	0	287	1	-4	0	0	0	60.9	2.4	2.2	0.0	63.4	1	
14	0	207	2	-1	0	0	0	43.9	5.4	1.1	0.0	49.4	1	
15	0	1253	1	-1	0	0	-0	266.0	2.4	0.7	0.0	268.4	1	
16	0	608	1	-1	0	0	0	129.1	2.7	0.7	0.0	131.8	1	
17	0	391	1	-1	0	0	0	83.1	3.1	0.6	0.0	86.1	1	
1A	52	-10	-0	0	0	0	0	2.2	9.2	0.1	0.0	11.4	6	
1E	52	31	-0	0	0	0	0	6.7	9.2	0.1	0.0	15.9	6	
1I	52	3	-0	0	0	0	0	0.6	9.3	0.1	0.0	9.9	6	
1M	52	18	-0	0	0	0	0	3.9	9.3	0.1	0.0	13.2	6	
2	52	161	0	-0	0	2	0	34.1	52.0	0.1	0.0	86.1	1	
3	52	840	0	-0	0	1	0	178.3	31.9	0.1	0.0	210.2	1	
4	52	417	0	-0	0	1	0	88.5	32.2	0.0	0.0	120.8	1	
5	52	357	0	-0	0	1	0	75.9	32.1	0.1	0.0	108.0	1	
6	52	26	-0	0	0	0	0	5.4	17.8	0.1	0.0	23.3	1	
7	52	1163	0	0	0	0	0	246.8	10.2	0.1	0.0	257.0	1	
8	52	399	-0	0	0	0	0	84.7	10.9	0.1	0.0	95.6	1	
9	52	335	-0	0	0	0	0	71.1	10.6	0.1	0.0	81.8	6	
10	52	106	0	-0	0	2	0	22.4	51.9	0.1	0.0	74.3	1	
11	52	781	0	-0	0	1	0	165.8	31.8	0.1	0.0	197.6	1	
12	52	442	0	-0	0	1	0	93.8	32.1	0.1	0.0	125.9	1	
13	52	288	0	-0	0	1	0	61.2	32.3	0.0	0.0	93.5	1	
14	52	209	-0	0	0	0	0	44.4	18.1	0.1	0.0	62.5	6	
15	52	1254	0	0	0	0	0	266.2	10.0	0.0	0.0	276.2	1	
16	52	609	-0	0	0	0	0	129.4	10.5	0.1	0.0	139.9	1	
17	52	393	-0	0	0	0	0	83.4	10.8	0.1	0.0	94.2	1	
1A	105	-9	-1	0	0	-0	-0	1.9	2.1	0.8	0.0	4.0	1	
1E	105	33	-1	0	0	-0	-0	7.0	2.1	0.8	0.0	9.1	1	
1I	105	4	-1	0	0	-0	-0	0.9	1.5	0.8	0.0	2.4	1	
1M	105	20	-1	0	0	-0	-0	4.2	1.5	0.8	0.0	5.7	1	
2	105	163	-2	6	0	0	0	34.5	7.8	3.4	0.0	42.4	1	
3	105	841	-1	3	0	0	0	178.6	4.9	2.1	0.0	183.5	1	
4	105	418	-1	3	0	0	0	88.8	4.9	2.1	0.0	93.7	1	
5	105	359	-1	3	0	0	0	76.2	4.9	2.1	0.0	81.0	1	
6	105	28	-2	2	0	-0	-0	5.9	0.6	1.1	0.0	6.6	4	
7	105	1164	-1	1	0	-0	0	247.1	0.4	0.6	0.0	247.6	1	
8	105	400	-1	1	0	-0	0	85.0	0.3	0.7	0.0	85.3	1	
9	105	336	-1	1	0	-0	0	71.4	0.4	0.7	0.0	71.8	1	
10	105	108	-2	6	0	0	0	22.8	7.9	3.4	0.0	30.8	1	
11	105	782	-1	3	0	0	0	166.0	5.0	2.1	0.0	171.0	1	
12	105	443	-1	3	0	0	0	94.1	4.9	2.1	0.0	99.0	1	
13	105	290	-1	3	0	0	0	61.5	5.0	2.1	0.0	66.5	1	
14	105	212	-2	2	0	-0	-0	44.9	0.5	1.1	0.0	45.4	6	
15	105	1255	-1	1	0	-0	0	266.5	0.2	0.6	0.0	266.6	1	
16	105	611	-1	1	0	-0	0	129.7	0.1	0.7	0.0	129.8	1	
17	105	394	-1	1	0	-0	0	83.7	0.0	0.7	0.0	83.7	4	

ASTA NUM. 226 NI 248 NF 235 Lungh. 66.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1628	1	0	0	0	-0	466.3	3.5	0.8	0.0	469.9	1	
1E	0	-1622	1	0	0	0	-0	464.9	3.5	0.8	0.0	468.4	1	
1I	0	-1628	1	0	0	0	-0	466.5	6.9	0.8	0.0	473.4	1	
1M	0	-1622	1	0	0	0	-0	464.7	6.9	0.8	0.0	471.6	1	
2	0	-1891	1	2	0	2	-0	541.8	98.4	1.9	0.0	640.2	1	
3	0	-747	1	1	0	1	0	214.1	61.0	1.2	0.0	275.1	1	
4	0	-1180	1	1	0	1	-0	338.1	61.5	1.2	0.0	399.6	1	
5	0	-1086	1	1	0	1	-0	311.2	61.3	1.2	0.0	372.4	1	
6	0	-2698	1	1	0	1	-0	773.1	27.3	1.2	0.0	800.4	1	
7	0	-1047	1	0	0	0	-0	300.0	16.6	0.7	0.0	316.6	1	
8	0	-1684	1	0	0	0	-0	482.5	17.0	0.7	0.0	499.5	1	
9	0	-1522	1	0	0	0	-0	436.1	16.7	0.7	0.0	452.8	1	
10	0	-1747	1	2	0	2	-0	500.6	98.0	1.9	0.0	598.6	1	
11	0	-565	1	1	0	1	0	161.7	60.7	1.2	0.0	222.4	1	
12	0	-1090	1	1	0	1	-0	312.3	61.3	1.2	0.0	373.6	1	
13	0	-1086	1	1	0	1	-0	311.2	61.2	1.2	0.0	372.3	1	
14	0	-2374	2	1	0	1	-0	680.2	26.6	1.3	0.0	706.8	1	
15	0	-756	1	0	0	0	-0	216.6	16.0	0.7	0.0	232.6	1	
16	0	-1482	1	0	0	0	-0	424.6	16.6	0.7	0.0	441.2	1	
17	0	-1477	1	0	0	0	-0	423.2	16.5	0.7	0.0	439.7	1	
1A	33	-1628	0	0	0	0	0	466.3	8.4	0.1	0.0	474.8	6	
1E	33	-1622	0	0	0	0	0	464.9	8.4	0.1	0.0	473.3	6	
1I	33	-1628	0	0	0	0	0	466.5	8.6	0.2	0.0	475.1	6	
1M	33	-1622	0	0	0	0	0	464.7	8.6	0.2	0.0	473.3	6	
2	33	-1891	0	5	0	1	0	541.8	41.9	4.1	0.0	583.8	1	
3	33	-747	0	3	0	0	0	214.1	25.9	2.6	0.0	240.0	1	
4	33	-1180	0	3	0	0	0	338.1	26.2	2.6	0.0	364.3	1	
5	33	-1086	0	3	0	0	0	311.2	25.9	2.6	0.0	337.1	1	
6	33	-2698	0	1	0	0	0	773.1	16.0	1.0	0.0	789.1	1	
7	33	-1047	0	1	0	0	0	300.0	9.6	0.6	0.0	309.6	1	
8	33	-1684	0	1	0	0	0	482.5	10.0	0.6	0.0	492.5	1	
9	33	-1522	0	1	0	0	0	436.1	9.6	0.6	0.0	445.7	1	
10	33	-1747	0	5	0	1	0	500.6	41.4	4.1	0.0	542.0	1	
11	33	-565	0	3	0	0	0	161.7	25.6	2.6	0.0	187.3	1	
12	33	-1090	0	3	0	0	0	312.3	25.9	2.6	0.0	338.2	1	
13	33	-1086	0	3	0	0	0	311.2	25.7	2.6	0.0	336.9	1	
14	33	-2374	0	1	0	0	0	680.2	15.7	1.0	0.0	696.0	6	
15	33	-756	0	1	0	0	0	216.6	9.0	0.6	0.0	225.6	6	
16	33	-1482	0	1	0	0	0	424.6	9.4	0.6	0.0	434.1	1	
17	33	-1477	0	1	0	0	0	423.2	9.3	0.6	0.0	432.5	6	
1A	66	-1628	-1	0	0	0	0	466.3	1.8	0.7	0.0	468.1	6	
1E	66	-1622	-1	0	0	0	0	464.9	1.8	0.7	0.0	466.7	6	
1I	66	-1628	-1	0	0	-0	0	466.5	1.7	0.7	0.0	468.2	6	
1M	66	-1622	-1	0	0	-0	0	464.7	1.7	0.7	0.0	466.4	6	
2	66	-1891	-1	8	0	-1	0	541.8	69.1	6.3	0.0	611.0	1	
3	66	-747	-1	5	0	-1	0	214.1	43.3	4.0	0.0	257.4	1	
4	66	-1180	-1	5	0	-1	0	338.1	43.1	3.9	0.0	381.2	1	
5	66	-1086	-1	5	0	-1	0	311.2	43.4	3.9	0.0	354.6	1	
6	66	-2698	-1	2	0	-0	0	773.1	15.0	1.6	0.0	788.1	1	
7	66	-1047	-1	1	0	-0	0	300.0	9.3	1.0	0.0	309.3	1	
8	66	-1684	-1	1	0	-0	0	482.5	9.3	1.0	0.0	491.8	1	
9	66	-1522	-1	1	0	-0	0	436.1	9.7	1.0	0.0	445.8	1	
10	66	-1747	-1	8	0	-1	0	500.6	69.7	6.3	0.0	570.3	1	
11	66	-565	-1	5	0	-1	0	161.7	43.6	4.0	0.0	205.4	1	
12	66	-1090	-1	5	0	-1	0	312.3	43.5	3.9	0.0	355.8	1	
13	66	-1086	-1	5	0	-1	0	311.2	43.7	4.0	0.0	354.9	1	
14	66	-2374	-1	2	0	-0	0	680.2	16.0	1.6	0.0	696.2	1	
15	66	-756	-1	1	0	-0	0	216.6	10.0	1.0	0.0	226.6	1	
16	66	-1482	-1	1	0	-0	0	424.6	9.8	1.0	0.0	434.5	1	
17	66	-1477	-1	1	0	-0	0	423.2	10.2	1.0	0.0	433.4	1	

ASTA NUM. 227 NI 231 NF 248 Lungh. 66.3 cm SEZ. 9 Ps L 45X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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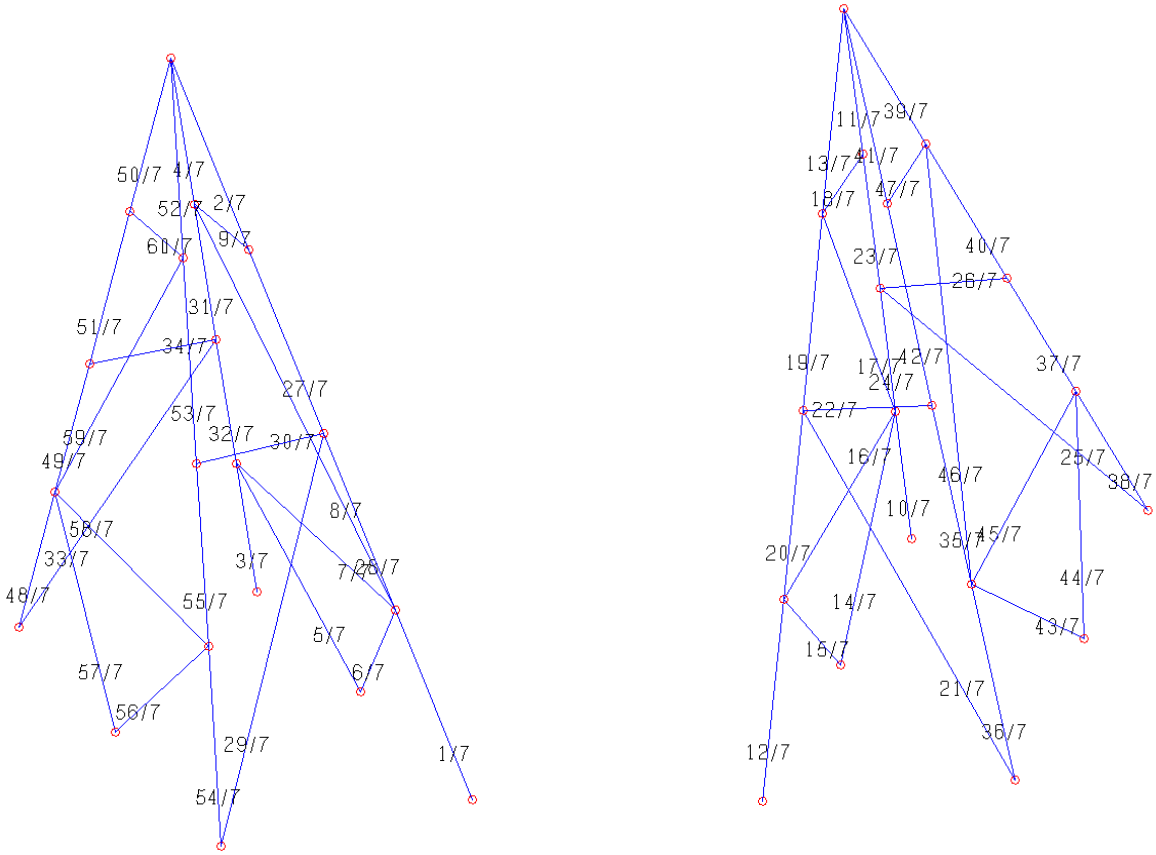
NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1627	1	0	0	0	0	466.3	3.9	0.7	0.0	470.3	1	
1E	0	-1623	1	0	0	0	0	464.9	3.9	0.7	0.0	468.8	1	
1I	0	-1628	1	0	0	0	0	466.5	6.3	0.7	0.0	472.8	1	

1M	0	-1622	1	0	0	0	0	464.7	6.3	0.7	0.0	471.0	1
2	0	-1891	1	-8	0	-1	0	541.8	67.5	6.3	0.0	609.4	1
3	0	-747	1	-5	0	-1	0	214.1	42.3	3.9	0.0	256.4	1
4	0	-1180	1	-5	0	-1	0	338.1	42.5	3.9	0.0	380.6	1
5	0	-1086	1	-5	0	-1	0	311.2	42.3	3.9	0.0	353.5	1
6	0	-2698	1	-2	0	-0	0	773.1	14.7	1.5	0.0	787.7	1
7	0	-1047	1	-1	0	-0	0	300.0	9.4	1.0	0.0	309.4	1
8	0	-1684	1	-1	0	-0	0	482.5	9.5	1.0	0.0	492.0	1
9	0	-1522	1	-1	0	-0	0	436.1	9.4	1.0	0.0	445.5	1
10	0	-1747	1	-8	0	-1	0	500.6	68.0	6.3	0.0	568.6	1
11	0	-564	1	-5	0	-1	0	161.7	42.6	3.9	0.0	204.3	1
12	0	-1091	1	-5	0	-1	0	312.6	42.8	3.9	0.0	355.4	1
13	0	-1086	1	-5	0	-1	0	311.2	42.4	3.9	0.0	353.6	1
14	0	-2374	1	-2	0	-0	0	680.2	15.7	1.6	0.0	695.9	1
15	0	-756	1	-1	0	-0	0	216.6	10.0	1.0	0.0	226.6	1
16	0	-1482	1	-1	0	-0	0	424.6	10.2	1.0	0.0	434.8	1
17	0	-1477	1	-1	0	-0	0	423.2	9.8	1.0	0.0	433.0	1
1A	33	-1627	-0	0	0	0	0	466.3	8.4	0.1	0.0	474.7	6
1E	33	-1623	-0	0	0	0	0	464.9	8.4	0.1	0.0	473.3	6
1I	33	-1628	-0	0	0	0	0	466.5	8.2	0.2	0.0	474.7	6
1M	33	-1622	-0	0	0	0	0	464.7	8.2	0.2	0.0	473.0	6
2	33	-1891	-0	-5	0	1	0	541.8	43.4	4.1	0.0	585.2	1
3	33	-747	-0	-3	0	0	0	214.1	27.1	2.5	0.0	241.1	1
4	33	-1180	-0	-3	0	0	0	338.1	26.9	2.5	0.0	365.1	1
5	33	-1086	-0	-3	0	0	0	311.2	27.0	2.5	0.0	338.2	1
6	33	-2698	-0	-1	0	0	0	773.1	16.4	1.0	0.0	789.5	1
7	33	-1047	-0	-1	0	0	0	300.0	10.2	0.6	0.0	310.2	1
8	33	-1684	-0	-1	0	0	0	482.5	10.0	0.6	0.0	492.5	1
9	33	-1522	-0	-1	0	0	0	436.1	10.0	0.6	0.0	446.1	1
10	33	-1747	-0	-5	0	1	0	500.6	43.0	4.1	0.0	543.6	1
11	33	-564	-0	-3	0	0	0	161.7	26.8	2.5	0.0	188.5	1
12	33	-1091	-0	-3	0	0	0	312.6	26.7	2.5	0.0	339.3	1
13	33	-1086	-0	-3	0	0	0	311.2	26.9	2.5	0.0	338.0	1
14	33	-2374	-0	-1	0	0	0	680.2	16.0	1.0	0.0	696.2	6
15	33	-756	-0	-1	0	0	0	216.6	9.7	0.6	0.0	226.3	6
16	33	-1482	-0	-1	0	0	0	424.6	9.5	0.6	0.0	434.1	6
17	33	-1477	-0	-1	0	0	0	423.2	9.7	0.6	0.0	432.9	1
1A	66	-1627	-1	0	0	0	-0	466.3	1.4	0.8	0.0	467.7	6
1E	66	-1623	-1	0	0	0	-0	464.9	1.4	0.8	0.0	466.3	6
1I	66	-1628	-1	0	0	-0	-0	466.5	3.8	0.8	0.0	470.3	1
1M	66	-1622	-1	0	0	-0	-0	464.7	3.8	0.8	0.0	468.6	1
2	66	-1891	-1	-2	0	2	-0	541.8	99.5	1.8	0.0	641.3	1
3	66	-747	-1	-1	0	1	-0	214.1	61.9	1.1	0.0	276.0	1
4	66	-1180	-1	-1	0	1	-0	338.1	62.0	1.1	0.0	400.1	1
5	66	-1086	-1	-1	0	1	-0	311.2	62.0	1.1	0.0	373.2	1
6	66	-2698	-1	-1	0	1	-0	773.1	27.5	1.2	0.0	800.6	1
7	66	-1047	-1	-0	0	0	-0	300.0	16.9	0.7	0.0	316.9	1
8	66	-1684	-1	-0	0	0	-0	482.5	17.0	0.7	0.0	499.6	1
9	66	-1522	-1	-0	0	0	-0	436.1	17.0	0.7	0.0	453.1	1
10	66	-1747	-1	-2	0	2	-0	500.6	99.1	1.8	0.0	599.7	1
11	66	-564	-1	-1	0	1	-0	161.7	61.6	1.1	0.0	223.3	1
12	66	-1091	-1	-1	0	1	-0	312.6	61.8	1.1	0.0	374.4	1
13	66	-1086	-1	-1	0	1	-0	311.2	61.9	1.1	0.0	373.1	1
14	66	-2374	-2	-1	0	1	-0	680.2	26.8	1.3	0.0	707.0	1
15	66	-756	-1	-0	0	0	-0	216.6	16.4	0.7	0.0	233.0	1
16	66	-1482	-1	-0	0	0	-0	424.6	16.5	0.8	0.0	441.2	1
17	66	-1477	-1	-0	0	0	-0	423.2	16.7	0.7	0.0	439.9	1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Numero aste

Lavoro: **verifica traliccio fondazioni v1** Intestazione lavoro: **verifica traliccio EY 16**
Elemento: **TRAVE** Metodo di verifica: **Stati limite**
Gruppo: **7** Descrizione: **Tralicci cimini**
Tabella: **tralicci 510**
Tipo acciaio: **S 355 (Fe 510)**

ASTA NUM. 1 NI 231 NF 245 Lungh. 67.4 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8364	1.8364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	4639	0	0	0	-1	0	530.2	7.5	0.0	0.0	537.6	1	
1E	0	4665	0	0	0	-1	0	533.1	7.5	0.0	0.0	540.6	1	
1I	0	4646	0	0	0	-0	0	530.9	6.9	0.1	0.0	537.9	1	
1M	0	4658	0	0	0	-0	0	532.4	6.9	0.1	0.0	539.3	1	
2	0	5841	-1	-12	0	-2	0	667.5	25.9	4.0	0.0	693.4	1	
3	0	4036	-0	-8	0	-1	0	461.3	16.0	2.6	0.0	477.2	1	
4	0	3815	-0	-8	0	-1	0	436.0	15.7	2.5	0.0	451.7	1	
5	0	3644	-0	-8	0	-1	0	416.5	16.0	2.5	0.0	432.5	1	
6	0	7984	0	-3	0	-1	0	912.5	16.6	1.0	0.0	929.0	1	
7	0	5698	0	-2	0	-1	0	651.2	10.1	0.7	0.0	661.3	1	
8	0	5190	-0	-2	0	-1	0	593.1	9.9	0.6	0.0	603.0	1	
9	0	4959	0	-2	0	-1	0	566.7	10.1	0.6	0.0	576.8	1	
10	0	6756	-0	-12	0	-2	0	772.1	24.4	3.9	0.0	796.5	1	
11	0	4220	-0	-8	0	-1	0	482.3	14.9	2.5	0.0	497.2	1	
12	0	4437	-0	-7	0	-1	0	507.1	14.8	2.4	0.0	521.9	1	
13	0	4205	-0	-7	0	-1	0	480.6	15.2	2.4	0.0	495.7	1	
14	0	9164	0	-3	0	-1	0	1047.3	13.2	0.9	0.0	1060.5	1	
15	0	6067	0	-2	0	-1	0	693.4	7.8	0.6	0.0	701.2	1	
16	0	6010	0	-2	0	-1	0	686.9	7.8	0.5	0.0	694.6	1	
17	0	5680	0	-2	0	-1	0	649.1	8.2	0.6	0.0	657.3	1	
1A	34	4641	-1	0	0	-1	0	530.4	7.5	0.2	0.0	537.9	1	
1E	34	4667	-1	0	0	-1	0	533.4	7.5	0.2	0.0	540.8	1	
1I	34	4648	-1	0	0	-1	0	531.2	8.1	0.2	0.0	539.3	1	
1M	34	4660	-1	0	0	-1	0	532.6	8.1	0.2	0.0	540.7	1	
2	34	5844	-1	-8	0	1	0	667.9	17.0	2.5	0.0	684.9	1	
3	34	4038	-1	-5	0	1	0	461.5	11.4	1.6	0.0	472.9	1	
4	34	3817	-1	-5	0	1	0	436.2	10.8	1.5	0.0	447.1	1	
5	34	3646	-1	-5	0	1	0	416.7	10.8	1.6	0.0	427.4	1	
6	34	7987	-1	-2	0	-0	0	912.8	6.0	0.6	0.0	918.8	1	
7	34	5700	-1	-1	0	-0	0	651.4	2.3	0.5	0.0	653.6	1	
8	34	5192	-1	-1	0	-0	0	593.4	3.5	0.4	0.0	596.9	1	
9	34	4961	-1	-1	0	-0	0	567.0	3.5	0.4	0.0	570.5	1	
10	34	6759	-1	-7	0	1	0	772.5	17.7	2.4	0.0	790.2	1	
11	34	4222	-1	-5	0	1	0	482.5	12.0	1.6	0.0	494.5	1	
12	34	4439	-1	-5	0	1	0	507.3	11.3	1.5	0.0	518.5	1	
13	34	4207	-1	-5	0	1	0	480.7	11.2	1.5	0.0	492.0	1	
14	34	9168	-1	-2	0	-0	0	1047.7	4.2	0.5	0.0	1051.9	1	
15	34	6069	-0	-1	0	-0	0	693.6	1.5	0.4	0.0	695.1	6	
16	34	6012	-0	-1	0	-0	0	687.1	2.5	0.3	0.0	689.6	6	
17	34	5682	-0	-1	0	-0	0	649.4	2.5	0.3	0.0	651.9	6	
1A	67	4643	-1	0	0	-1	-0	530.6	8.1	0.4	0.0	538.7	1	
1E	67	4669	-1	0	0	-1	-0	533.6	8.1	0.4	0.0	541.7	1	
1I	67	4650	-1	0	0	-1	-0	531.4	9.7	0.4	0.0	541.1	1	
1M	67	4662	-1	0	0	-1	-0	532.8	9.7	0.4	0.0	542.5	1	
2	67	5847	-2	-3	0	3	-0	668.2	39.8	1.0	0.0	708.1	1	
3	67	4040	-1	-2	0	2	-0	461.7	26.8	0.7	0.0	488.5	1	
4	67	3819	-1	-2	0	2	-0	436.5	24.8	0.6	0.0	461.3	1	
5	67	3648	-1	-2	0	2	-0	416.9	25.0	0.6	0.0	441.9	1	
6	67	7990	-2	-1	0	0	-0	913.1	2.5	0.6	0.0	915.7	6	
7	67	5701	-1	-1	0	0	-0	651.5	3.5	0.3	0.0	655.1	1	
8	67	5194	-1	-0	0	0	-0	593.6	1.6	0.4	0.0	595.2	6	
9	67	4963	-1	-0	0	0	-0	567.2	1.6	0.3	0.0	568.8	6	
10	67	6762	-2	-3	0	3	-0	772.8	39.7	0.9	0.0	812.5	1	
11	67	4224	-1	-2	0	2	-0	482.7	26.9	0.7	0.0	509.6	1	
12	67	4440	-1	-2	0	2	-0	507.4	24.7	0.6	0.0	532.2	1	
13	67	4208	-1	-2	0	2	-0	480.9	24.9	0.6	0.0	505.9	1	
14	67	9171	-2	-0	0	0	-0	1048.1	2.4	0.6	0.0	1050.5	6	
15	67	6071	-1	-1	0	0	-0	693.8	3.8	0.3	0.0	697.6	1	
16	67	6014	-1	-0	0	0	-0	687.3	1.3	0.3	0.0	688.7	6	
17	67	5684	-1	-0	0	0	-0	649.6	1.4	0.3	0.0	651.0	6	

ASTA NUM. 2 NI 244 NF 247 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	4667	1	-0	0	-0	-0	533.4	5.8	0.3	0.0	539.2	1	
1E	0	4683	1	-0	0	-0	-0	535.1	5.8	0.3	0.0	540.9	1	
1I	0	4672	1	-0	0	-0	-0	533.9	5.6	0.3	0.0	539.5	6	
1M	0	4678	1	-0	0	-0	-0	534.6	5.6	0.3	0.0	540.2	6	
2	0	5813	2	-3	0	1	-1	664.3	19.0	0.9	0.0	683.3	1	
3	0	4019	2	-2	0	1	-1	459.3	14.3	0.5	0.0	473.6	1	
4	0	3797	1	-2	0	1	-1	433.9	11.9	0.6	0.0	445.9	1	
5	0	3627	1	-2	0	1	-1	414.5	11.9	0.6	0.0	426.4	1	
6	0	8001	2	-1	0	-0	-1	914.4	9.7	0.6	0.0	924.1	6	
7	0	5708	1	-0	0	0	-1	652.3	8.0	0.5	0.0	660.3	6	
8	0	5200	1	-1	0	-0	-0	594.3	6.3	0.4	0.0	600.6	6	
9	0	4970	1	-1	0	-0	-0	568.0	6.0	0.3	0.0	574.0	6	
10	0	6728	2	-3	0	1	-1	768.9	18.7	0.9	0.0	787.6	1	
11	0	4202	2	-2	0	1	-1	480.2	14.1	0.5	0.0	494.3	1	
12	0	4418	1	-2	0	1	-1	504.9	11.8	0.6	0.0	516.7	1	
13	0	4187	1	-2	0	1	-1	478.5	11.7	0.6	0.0	490.2	1	
14	0	9182	2	-1	0	-0	-1	1049.4	11.0	0.6	0.0	1060.3	6	
15	0	6077	2	-0	0	0	-1	694.5	8.1	0.5	0.0	702.6	6	
16	0	6019	1	-1	0	-0	-1	687.9	7.1	0.4	0.0	695.0	6	
17	0	5690	1	-1	0	-0	-0	650.3	6.6	0.4	0.0	656.9	6	
1A	30	4669	0	-0	0	-0	-0	533.7	4.1	0.1	0.0	537.7	1	
1E	30	4685	0	-0	0	-0	-0	535.4	4.1	0.1	0.0	539.5	1	
1I	30	4674	0	-0	0	-0	-0	534.2	3.8	0.1	0.0	537.9	1	
1M	30	4680	0	-0	0	-0	-0	534.9	3.8	0.1	0.0	538.6	1	
2	30	5816	1	1	0	1	-0	664.7	19.6	0.4	0.0	684.3	1	
3	30	4021	1	1	0	1	-0	459.5	13.6	0.3	0.0	473.0	1	
4	30	3799	1	1	0	1	-0	434.2	12.4	0.3	0.0	446.5	1	
5	30	3629	1	1	0	1	-0	414.7	12.2	0.3	0.0	426.9	1	
6	30	8004	1	-0	0	-0	-0	914.7	4.1	0.3	0.0	918.8	6	
7	30	5710	1	0	0	0	-0	652.5	3.7	0.3	0.0	656.2	6	
8	30	5202	1	-0	0	-0	-0	594.5	2.4	0.2	0.0	596.9	6	
9	30	4972	1	-0	0	-0	-0	568.2	2.7	0.2	0.0	570.8	6	
10	30	6731	1	1	0	1	-0	769.2	19.5	0.4	0.0	788.7	1	
11	30	4204	1	1	0	1	-0	480.5	13.5	0.3	0.0	493.9	1	
12	30	4420	1	1	0	1	-0	505.1	12.3	0.3	0.0	517.5	1	
13	30	4189	1	1	0	1	-0	478.7	12.1	0.3	0.0	490.9	1	
14	30	9185	1	-0	0	-0	-0	1049.7	4.6	0.3	0.0	1054.3	6	
15	30	6079	1	0	0	0	-0	694.7	3.7	0.3	0.0	698.5	6	
16	30	6021	1	-0	0	-0	-0	688.1	2.7	0.3	0.0	690.7	6	
17	30	5692	1	-0	0	-0	-0	650.5	2.9	0.2	0.0	653.4	6	
1A	60	4671	-0	-0	0	-0	-0	533.9	3.1	0.1	0.0	537.0	1	
1E	60	4687	-0	-0	0	-0	-0	535.6	3.1	0.1	0.0	538.7	1	
1I	60	4676	-0	-0	0	-0	-0	534.4	3.0	0.0	0.0	537.4	1	
1M	60	4682	-0	-0	0	-0	-0	535.1	3.0	0.0	0.0	538.1	1	
2	60	5819	0	5	0	1	-0	665.0	6.6	1.7	0.0	671.6	1	
3	60	4022	1	4	0	0	-0	459.7	4.3	1.2	0.0	464.0	1	
4	60	3801	0	3	0	0	-0	434.4	4.3	1.1	0.0	438.7	1	
5	60	3631	0	3	0	0	-0	415.0	4.1	1.1	0.0	419.0	1	
6	60	8006	0	1	0	-0	-0	915.0	2.8	0.3	0.0	917.7	6	
7	60	5711	1	1	0	-0	-0	652.7	0.8	0.3	0.0	653.5	1	
8	60	5203	0	1	0	-0	-0	594.6	1.2	0.2	0.0	595.8	6	
9	60	4973	0	1	0	-0	-0	568.3	1.9	0.2	0.0	570.2	6	
10	60	6733	1	5	0	1	-0	769.5	6.6	1.7	0.0	776.1	1	
11	60	4206	1	3	0	0	-0	480.7	4.3	1.1	0.0	485.0	1	
12	60	4422	0	3	0	0	-0	505.4	4.4	1.0	0.0	509.8	1	
13	60	4191	0	3	0	0	-0	479.0	4.1	1.1	0.0	483.1	1	
14	60	9188	0	1	0	-0	-0	1050.1	2.6	0.3	0.0	1052.7	6	
15	60	6081	1	1	0	-0	-0	695.0	0.6	0.3	0.0	695.6	1	
16	60	6022	0	0	0	-0	-0	688.2	0.8	0.1	0.0	689.0	6	
17	60	5693	0	0	0	-0	-0	650.6	1.8	0.2	0.0	652.4	6	

ASTA NUM. 3 NI 235 NF 243 Lungh. 67.4 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3910	-0	0	0	1	0	446.9	8.0	0.1	0.0	454.8	1	
1E	0	3936	-0	0	0	1	0	449.8	8.0	0.1	0.0	457.8	1	
1I	0	3917	-0	0	0	1	0	447.6	8.4	0.1	0.0	456.0	1	
1M	0	3929	-0	0	0	1	0	449.1	8.4	0.1	0.0	457.5	1	
2	0	4675	-1	10	0	2	0	534.3	20.1	3.3	0.0	554.3	1	
3	0	-573	-0	6	0	1	0	65.5	11.1	2.1	0.0	76.7	1	
4	0	2758	-1	6	0	1	0	315.2	12.2	2.1	0.0	327.4	1	
5	0	2928	-1	6	0	1	0	334.6	11.2	2.0	0.0	345.9	1	

6	0	6770	-1	3	0	1	0	773.7	15.0	0.8	0.0	788.7	1
7	0	-1098	-0	2	0	1	0	125.5	7.3	0.6	0.0	132.8	1
8	0	4031	-0	2	0	1	0	460.7	9.0	0.5	0.0	469.7	1
9	0	4262	-0	1	0	1	0	487.1	7.4	0.5	0.0	494.5	1
10	0	5784	-1	10	0	1	0	661.0	18.5	3.2	0.0	679.5	1
11	0	-269	-0	6	0	1	0	30.7	10.0	2.0	0.0	40.7	1
12	0	3401	-1	6	0	1	0	388.7	11.2	2.0	0.0	399.9	1
13	0	3633	-1	6	0	1	0	415.2	11.2	2.0	0.0	426.4	1
14	0	7950	-0	2	0	1	0	908.6	11.7	0.7	0.0	920.3	1
15	0	-729	-0	2	0	0	0	83.3	5.0	0.5	0.0	88.3	1
16	0	4690	-0	1	0	1	0	536.0	7.0	0.5	0.0	543.0	1
17	0	5020	-0	1	0	1	0	573.7	6.9	0.4	0.0	580.6	1
1A	34	3912	-1	0	0	1	-0	447.1	6.4	0.3	0.0	453.6	1
1E	34	3939	-1	0	0	1	-0	450.1	6.4	0.3	0.0	456.5	1
1I	34	3919	-1	0	0	0	0	447.9	6.0	0.3	0.0	453.9	1
1M	34	3932	-1	0	0	0	0	449.4	6.0	0.3	0.0	455.4	1
2	34	4678	-2	5	0	-1	0	534.6	13.4	1.8	0.0	548.0	1
3	34	-571	-1	4	0	-1	0	65.3	9.9	1.2	0.0	75.3	1
4	34	2760	-1	3	0	-1	0	315.4	8.7	1.1	0.0	324.1	1
5	34	2930	-1	3	0	-1	0	334.9	9.1	1.1	0.0	343.9	1
6	34	6773	-1	1	0	0	0	774.1	5.6	0.5	0.0	779.7	1
7	34	-1097	-1	1	0	0	0	125.3	1.2	0.3	0.0	126.5	1
8	34	4033	-1	1	0	0	0	460.9	3.2	0.3	0.0	464.1	1
9	34	4264	-1	1	0	0	0	487.3	2.4	0.3	0.0	489.7	1
10	34	5787	-2	5	0	-1	0	661.4	14.1	1.7	0.0	675.5	1
11	34	-267	-1	3	0	-1	0	30.5	10.5	1.1	0.0	41.0	1
12	34	3403	-1	3	0	-1	0	388.9	9.1	1.1	0.0	398.0	1
13	34	3635	-1	3	0	-1	0	415.4	9.0	1.1	0.0	424.4	1
14	34	7953	-1	1	0	0	0	908.9	3.7	0.5	0.0	912.7	1
15	34	-727	-1	1	0	-0	0	83.0	0.2	0.3	0.0	83.2	1
16	34	4692	-1	1	0	0	0	536.2	2.0	0.3	0.0	538.2	1
17	34	5022	-1	1	0	0	0	573.9	2.1	0.3	0.0	576.0	1
1A	67	3915	-2	0	0	0	-0	447.4	7.5	0.5	0.0	455.0	1
1E	67	3941	-2	0	0	0	-0	450.4	7.5	0.5	0.0	457.9	1
1I	67	3922	-1	0	0	0	-0	448.2	6.0	0.5	0.0	454.2	6
1M	67	3934	-1	0	0	0	-0	449.6	6.0	0.5	0.0	455.7	6
2	67	4681	-3	1	0	-2	-1	535.0	29.6	0.9	0.0	564.6	1
3	67	-570	-1	1	0	-2	-0	65.1	20.3	0.5	0.0	85.4	1
4	67	2762	-2	1	0	-1	-0	315.7	18.8	0.5	0.0	334.5	1
5	67	2932	-2	0	0	-1	-0	335.1	18.7	0.5	0.0	353.8	1
6	67	6776	-2	0	0	0	-1	774.4	7.7	0.7	0.0	782.1	6
7	67	-1095	-1	0	0	-0	-0	125.1	3.9	0.4	0.0	129.1	6
8	67	4035	-1	0	0	0	-0	461.1	4.7	0.5	0.0	465.8	6
9	67	4266	-1	-0	0	0	-0	487.5	4.7	0.4	0.0	492.2	6
10	67	5790	-3	1	0	-2	-1	661.7	29.7	0.9	0.0	691.4	1
11	67	-265	-1	1	0	-2	-0	30.3	20.4	0.5	0.0	50.6	1
12	67	3405	-2	0	0	-1	-0	389.1	18.9	0.5	0.0	408.0	1
13	67	3636	-2	0	0	-1	-0	415.5	18.6	0.5	0.0	434.1	1
14	67	7956	-2	-0	0	0	-1	909.3	8.0	0.8	0.0	917.3	6
15	67	-725	-1	0	0	-0	-0	82.8	4.1	0.4	0.0	86.9	6
16	67	4694	-1	-0	0	0	-0	536.5	4.7	0.4	0.0	541.2	6
17	67	5024	-1	-0	0	0	-0	574.2	4.9	0.5	0.0	579.1	6

ASTA NUM. 4 NI 242 NF 247 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	3940	0	1	0	0	0	450.3	5.4	0.2	0.0	455.8	1	
1E	0	3956	0	1	0	0	0	452.1	5.4	0.2	0.0	457.5	1	
1I	0	3945	0	1	0	0	0	450.9	6.2	0.2	0.0	457.1	1	
1M	0	3951	0	1	0	0	0	451.5	6.2	0.2	0.0	457.8	1	
2	0	4650	1	1	0	-2	-0	531.4	26.6	0.4	0.0	558.0	1	
3	0	-587	0	0	0	-1	0	67.1	17.7	0.1	0.0	84.9	1	
4	0	2743	1	0	0	-1	-0	313.5	16.5	0.2	0.0	330.0	1	
5	0	2912	1	0	0	-1	-0	332.8	16.4	0.2	0.0	349.2	1	
6	0	6789	1	1	0	-0	0	775.9	2.5	0.3	0.0	778.4	6	
7	0	-1084	-0	0	0	-0	0	123.9	4.7	0.1	0.0	128.6	6	
8	0	4044	0	1	0	-0	0	462.2	1.8	0.2	0.0	464.0	6	
9	0	4274	0	1	0	-0	0	488.5	1.4	0.2	0.0	489.8	6	
10	0	5759	1	1	0	-2	-0	658.2	25.7	0.3	0.0	683.9	1	
11	0	-283	0	0	0	-1	0	32.3	17.5	0.1	0.0	49.8	1	
12	0	3386	1	0	0	-1	-0	387.0	16.0	0.2	0.0	402.9	1	
13	0	3617	1	0	0	-1	-0	413.4	16.0	0.2	0.0	429.4	1	
14	0	7972	0	1	0	0	0	911.1	2.8	0.3	0.0	913.9	6	
15	0	-714	-0	0	0	-0	0	81.6	4.7	0.1	0.0	86.3	6	
16	0	4703	0	1	0	0	0	537.5	2.2	0.2	0.0	539.7	6	
17	0	5032	0	1	0	0	0	575.1	1.8	0.2	0.0	576.9	6	
1A	30	3942	-0	1	0	0	0	450.6	3.3	0.2	0.0	453.9	6	
1E	30	3958	-0	1	0	0	0	452.3	3.3	0.2	0.0	455.6	6	
1I	30	3947	-0	1	0	0	0	451.1	3.6	0.2	0.0	454.7	1	
1M	30	3953	-0	1	0	0	0	451.8	3.6	0.2	0.0	455.4	1	
2	30	4653	0	-4	0	-2	0	531.8	20.5	1.2	0.0	552.3	1	
3	30	-586	-0	-2	0	-1	0	66.9	13.6	0.8	0.0	80.6	1	
4	30	2745	0	-2	0	-1	0	313.7	12.6	0.7	0.0	326.2	1	
5	30	2914	0	-2	0	-1	0	333.0	12.7	0.7	0.0	345.8	1	
6	30	6792	-0	-0	0	-0	0	776.2	3.6	0.1	0.0	779.8	6	
7	30	-1082	-1	-0	0	-0	0	123.7	3.6	0.2	0.0	127.2	6	
8	30	4046	-0	-0	0	-0	0	462.4	2.1	0.1	0.0	464.5	6	
9	30	4276	-0	0	0	-0	0	488.6	2.2	0.0	0.0	490.9	6	
10	30	5762	0	-3	0	-2	0	658.5	20.3	1.1	0.0	678.8	1	
11	30	-281	-0	-2	0	-1	0	32.1	13.6	0.8	0.0	45.7	1	
12	30	3388	0	-2	0	-1	0	387.1	12.4	0.7	0.0	399.5	1	
13	30	3619	0	-2	0	-1	0	413.5	12.7	0.7	0.0	426.2	1	
14	30	7975	-0	0	0	-0	0	911.4	3.5	0.1	0.0	915.0	6	
15	30	-713	-1	-0	0	-0	0	81.4	3.5	0.2	0.0	84.9	6	
16	30	4705	-0	-0	0	-0	0	537.7	2.0	0.1	0.0	539.7	6	
17	30	5034	-0	0	0	-0	0	575.3	2.3	0.1	0.0	577.6	6	
1A	60	3944	-1	1	0	0	0	450.8	0.3	0.3	0.0	451.1	6	
1E	60	3960	-1	1	0	0	0	452.5	0.3	0.3	0.0	452.8	6	
1I	60	3949	-1	1	0	0	0	451.3	0.3	0.3	0.0	451.6	6	
1M	60	3955	-1	1	0	0	0	452.0	0.3	0.3	0.0	452.3	6	
2	60	4656	-0	-8	0	-0	0	532.1	0.3	2.5	0.0	532.4	6	
3	60	-584	-1	-5	0	0	-0	66.7	0.3	1.6	0.0	67.0	1	
4	60	2746	-0	-5	0	0	-0	313.8	0.3	1.6	0.0	314.1	1	
5	60	2916	-0	-5	0	-0	0	333.3	0.3	1.5	0.0	333.5	1	
6	60	6795	-1	-1	0	-0	0	776.6	0.5	0.4	0.0	777.1	6	
7	60	-1080	-1	-1	0	0	0	123.4	0.4	0.4	0.0	123.8	1	
8	60	4048	-1	-1	0	0	-0	462.6	0.4	0.2	0.0	463.0	1	
9	60	4277	-1	-1	0	-0	0	488.8	0.5	0.2	0.0	489.3	6	
10	60	5765	-1	-8	0	-0	0	658.9	0.3	2.5	0.0	659.2	1	
11	60	-279	-1	-5	0	0	0	31.9	0.1	1.6	0.0	32.1	4	
12	60	3389	-0	-5	0	0	-0	387.3	0.5	1.6	0.0	387.8	6	
13	60	3620	-0	-5	0	-0	0	413.7	0.3	1.5	0.0	414.0	1	
14	60	7978	-1	-1	0	0	0	911.8	0.1	0.4	0.0	911.9	1	
15	60	-711	-1	-1	0	0	-0	81.2	0.4	0.3	0.0	81.7	1	
16	60	4707	-1	-1	0	0	-0	537.9	0.8	0.3	0.0	538.7	1	
17	60	5036	-1	-1	0	-0	0	575.5	0.3	0.2	0.0	575.8	6	

ASTA NUM. 5 NI 248 NF 243 Lungh. 80.9 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			dAN/cmq					
1A	0	-1	1	0	0	0	0	0.4	0.0	0.5	0.0	1.0	5	
1E	0	4	1	0	0	0	0	1.5	0.0	0.5	0.0	1.7	5	
1I	0	1	1	0	0	0	0	0.2	0.0	0.5	0.0	1.0	5	
1M	0	2	1	0	0	0	0	0.9	0.0	0.5	0.0	1.3	5	
2	0	2	1	-2	0	0	0	0.8	1.7	2.3	0.0	4.3	4	
3	0	1	0	-1	0	0	0	0.6	1.1	1.5	0.0	2.7	4	
4	0	1	0	-1	0	0	0	0.5	0.9	1.5	0.0	2.7	4	
5	0	1	0	-1	0	0	0	0.5	1.1	1.5	0.0	2.7	4	
6	0	2	1	-1	0	0	0	0.7	0.4	0.8	0.0	1.8	4	
7	0	1	0	-0	0	0	0	0.5	0.3	0.5	0.0	1.2	4	
8	0	1	0	-0	0	0	0	0.5	0.0	0.5	0.0	1.1	4	
9	0	1	0	-0	0	0	0	0.5	0.3	0.5	0.0	1.1	4	
10	0	2	1	-2	0	0	0	0.8	1.8	2.3	0.0	4.3	4	
11	0	1	0	-1	0	0	0	0.5	1.1	1.5	0.0	2.7	4	
12	0	1	0	-1	0	0	0	0.5	0.9	1.5	0.0	2.7	4	
13	0	1	0	-1	0	0	0	0.5	1.1	1.5	0.0	2.7	4	
14	0	2	1	-1	0	0	0	0.8	0.3	0.8	0.0	1.9	4	
15	0	1	0	-0	0	0	0	0.5	0.2	0.5	0.0	1.2	4	
16	0	1	0	-0	0	-0	0	0.5	0.1	0.5	0.0	1.1	4	
17	0	1	0	-0	0	0	0	0.4	0.3	0.5	0.0	1.1	4	
1A	40	-0	0	0	0	-0	0	0.1	9.1	0.0	0.0	9.3	6	
1E	40	5	0	0	0	-0	0	1.7	9.1	0.0	0.0	10.9	6	
1I	40	1	0	0	0	-0	0	0.5	9.3	0.0	0.0	9.8	6	
1M	40	3	0	0	0	-0	0	1.1	9.3	0.0	0.0	10.5	6	
2	40	3	0	0	0	0	0	1.2	38.6	0.4	0.0	39.8	1	
3	40	2	0	0	0	0	0	0.8	24.3	0.2	0.0	25.1	1	
4	40	2	0	0	0	0	0	0.8	24.0	0.2	0.0	24.8	1	
5	40	2	0	0	0	0	0	0.7	24.2	0.2	0.0	25.0	1	
6	40	3	0	0	0	0	0	1.1	15.6	0.1	0.0	16.7	6	
7	40	2	0	0	0	0	0	0.7	9.7	0.1	0.0	10.5	6	
8	40	2	0	0	0	0	0	0.7	9.7	0.1	0.0	10.4	6	
9	40	2	0	0	0	0	0	0.7	9.8	0.1	0.0	10.5	6	
10	40	3	0	0	0	0	0	1.2	38.7	0.4	0.0	39.9	1	
11	40	2	0	0	0	0	0	0.8	24.4	0.2	0.0	25.2	1	
12	40	2	0	0	0	0	0	0.7	24.1	0.2	0.0	24.8	1	

13	40	2	0	0	0	0	0	0.7	24.3	0.2	0.0	25.0	1
14	40	3	0	0	0	0	0	1.2	16.6	0.1	0.0	17.8	6
15	40	2	0	0	0	0	0	0.7	9.8	0.1	0.0	10.6	6
16	40	2	0	0	0	0	0	0.7	9.7	0.1	0.0	10.4	6
17	40	2	0	0	0	0	0	0.7	9.9	0.1	0.0	10.5	6
1A	81	0	-1	0	0	-0	-0	0.1	2.2	0.5	0.0	2.3	1
1E	81	5	-1	0	0	-0	-0	2.0	2.2	0.5	0.0	4.1	1
1I	81	2	-0	0	0	-0	-0	0.7	2.8	0.5	0.0	3.5	1
1M	81	4	-0	0	0	-0	-0	1.4	2.8	0.5	0.0	4.1	1
2	81	4	-1	3	0	-0	0	1.5	23.5	3.1	0.0	25.0	1
3	81	3	-0	2	0	-0	0	1.0	14.2	1.9	0.0	15.3	1
4	81	3	-0	2	0	-0	0	1.0	14.7	1.9	0.0	15.7	1
5	81	3	-0	2	0	-0	0	1.0	14.5	1.9	0.0	15.5	1
6	81	4	-1	1	0	-0	0	1.4	8.4	0.8	0.0	9.9	1
7	81	3	-0	0	0	-0	0	1.0	4.7	0.5	0.0	5.6	1
8	81	2	-0	0	0	-0	0	0.9	5.3	0.5	0.0	6.3	1
9	81	2	-0	0	0	-0	0	0.9	5.1	0.5	0.0	6.0	1
10	81	4	-1	3	0	-0	0	1.5	23.4	3.1	0.0	24.9	1
11	81	3	-0	2	0	-0	0	1.0	14.1	1.9	0.0	15.1	1
12	81	3	-0	2	0	-0	0	1.0	14.7	1.9	0.0	15.6	1
13	81	3	-0	2	0	-0	0	0.9	14.5	1.9	0.0	15.5	1
14	81	4	-1	1	0	-0	0	1.5	8.2	0.8	0.0	9.8	1
15	81	3	-0	0	0	-0	0	1.0	4.5	0.5	0.0	5.5	1
16	81	2	-0	0	0	-0	0	0.9	5.2	0.5	0.0	6.2	1
17	81	2	-0	0	0	-0	0	0.9	5.0	0.5	0.0	5.9	1

ASTA NUM. 6 NI 248 NF 245 Lungh. 80.9 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.2504	1.2504 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-1	0	-0	0	0	0	0.3	0.0	0.5	0.0	0.9	5	
1E	0	4	0	-0	0	0	0	1.6	0.0	0.5	0.0	1.8	5	
1I	0	1	0	-0	0	0	0	0.4	0.0	0.5	0.0	1.0	5	
1M	0	3	0	-0	0	0	0	1.0	0.0	0.5	0.0	1.3	5	
2	0	2	1	2	0	0	0	0.9	1.1	2.4	0.0	4.3	4	
3	0	1	0	1	0	0	0	0.5	0.7	1.5	0.0	2.7	4	
4	0	1	0	1	0	0	0	0.6	0.5	1.5	0.0	2.7	4	
5	0	2	0	1	0	0	0	0.6	0.7	1.5	0.0	2.7	4	
6	0	3	1	1	0	0	0	1.0	0.2	0.7	0.0	1.9	4	
7	0	1	0	0	0	0	0	0.5	0.2	0.5	0.0	1.1	4	
8	0	2	0	0	0	-0	0	0.6	0.1	0.5	0.0	1.1	4	
9	0	2	0	0	0	0	0	0.6	0.3	0.5	0.0	1.2	4	
10	0	3	1	2	0	0	0	0.9	1.2	2.4	0.0	4.3	4	
11	0	1	0	1	0	0	0	0.5	0.7	1.5	0.0	2.7	4	
12	0	2	0	1	0	0	0	0.6	0.5	1.5	0.0	2.7	4	
13	0	2	0	1	0	0	0	0.6	0.8	1.5	0.0	2.7	4	
14	0	3	1	1	0	0	0	1.1	0.2	0.8	0.0	2.0	4	
15	0	1	0	0	0	0	0	0.5	0.2	0.5	0.0	1.1	4	
16	0	2	0	0	0	-0	0	0.6	0.1	0.5	0.0	1.2	4	
17	0	2	0	0	0	0	0	0.6	0.2	0.5	0.0	1.2	4	
1A	40	-0	-0	-0	0	0	0	0.0	9.0	0.0	0.0	9.0	6	
1E	40	5	-0	-0	0	0	0	1.9	9.0	0.0	0.0	10.8	6	
1I	40	2	-0	-0	0	0	0	0.6	8.8	0.0	0.0	9.4	6	
1M	40	3	-0	-0	0	0	0	1.2	8.8	0.0	0.0	10.0	6	
2	40	3	0	-0	0	-0	0	1.3	37.0	0.3	0.0	38.2	1	
3	40	2	0	-0	0	-0	0	0.7	23.3	0.2	0.0	24.0	1	
4	40	2	0	-0	0	-0	0	0.8	23.3	0.2	0.0	24.0	1	
5	40	2	0	-0	0	-0	0	0.8	23.1	0.2	0.0	23.9	1	
6	40	4	-0	-0	0	-0	0	1.4	14.7	0.1	0.0	16.0	6	
7	40	2	-0	-0	0	-0	0	0.7	9.6	0.1	0.0	10.3	6	
8	40	2	-0	-0	0	-0	0	0.8	9.3	0.1	0.0	10.1	6	
9	40	2	-0	-0	0	-0	0	0.8	9.2	0.1	0.0	10.0	6	
10	40	3	0	-0	0	-0	0	1.3	37.0	0.3	0.0	38.3	1	
11	40	2	0	-0	0	-0	0	0.7	23.3	0.2	0.0	24.0	1	
12	40	2	0	-0	0	-0	0	0.8	23.3	0.2	0.0	24.1	1	
13	40	2	0	-0	0	-0	0	0.8	23.0	0.2	0.0	23.9	1	
14	40	4	-0	-0	0	-0	0	1.5	15.6	0.1	0.0	17.1	6	
15	40	2	-0	-0	0	-0	0	0.8	9.6	0.1	0.0	10.4	6	
16	40	2	-0	-0	0	-0	0	0.8	9.3	0.1	0.0	10.1	6	
17	40	2	-0	-0	0	-0	0	0.9	9.2	0.1	0.0	10.0	6	
1A	81	1	-1	-0	0	0	0	0.2	1.8	0.5	0.0	2.1	1	
1E	81	6	-1	-0	0	0	0	2.1	1.8	0.5	0.0	3.9	1	
1I	81	2	-1	-0	0	0	-0	0.9	2.4	0.5	0.0	3.3	1	
1M	81	4	-1	-0	0	0	-0	1.5	2.4	0.5	0.0	3.9	1	
2	81	4	-1	-3	0	0	0	1.6	22.9	3.0	0.0	24.5	1	
3	81	3	-0	-2	0	0	0	1.0	14.2	1.9	0.0	15.1	1	
4	81	3	-0	-2	0	0	0	1.0	13.9	1.9	0.0	14.9	1	
5	81	3	-0	-2	0	0	0	1.0	14.1	1.9	0.0	15.1	1	
6	81	5	-1	-1	0	0	0	1.7	7.4	0.8	0.0	9.1	1	
7	81	3	-0	-0	0	0	0	1.0	4.3	0.5	0.0	5.3	1	
8	81	3	-0	-0	0	0	0	1.0	4.4	0.5	0.0	5.5	1	
9	81	3	-0	-0	0	0	0	1.1	4.6	0.5	0.0	5.7	1	
10	81	4	-1	-3	0	0	0	1.7	22.8	3.0	0.0	24.5	1	
11	81	3	-0	-2	0	0	0	1.0	14.1	1.9	0.0	15.1	1	
12	81	3	-0	-2	0	0	0	1.0	13.8	1.9	0.0	14.8	1	
13	81	3	-0	-2	0	0	0	1.0	14.0	1.9	0.0	15.1	1	
14	81	5	-1	-1	0	0	0	1.8	7.0	0.8	0.0	8.9	1	
15	81	3	-0	-0	0	0	0	1.0	4.1	0.5	0.0	5.0	1	
16	81	3	-0	-0	0	0	0	1.1	4.1	0.5	0.0	5.2	1	
17	81	3	-0	-0	0	0	0	1.1	4.4	0.5	0.0	5.5	1	

ASTA NUM. 7 NI 245 NF 243 Lungh. 96.6 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6	1	0	0	0	0	2.3	2.0	1.1	0.0	4.3	1	
1E	0	-5	1	0	0	0	0	1.8	2.0	1.1	0.0	3.8	1	
1I	0	-6	1	0	0	0	0	2.3	2.5	1.1	0.0	4.7	1	
1M	0	-5	1	0	0	0	0	1.9	2.5	1.1	0.0	4.3	1	
2	0	-10	1	-3	0	0	0	3.9	18.2	3.2	0.0	22.0	1	
3	0	-6	1	-2	0	0	0	2.4	10.9	2.0	0.0	13.3	1	
4	0	-6	1	-2	0	0	0	2.4	11.2	2.0	0.0	13.7	1	
5	0	-6	1	-2	0	0	0	2.4	11.3	2.0	0.0	13.7	1	
6	0	-9	1	-1	0	0	0	3.2	6.8	1.5	0.0	10.0	1	
7	0	-5	1	-0	0	0	0	2.0	3.7	0.9	0.0	5.6	1	
8	0	-5	1	-0	0	0	0	2.0	4.1	1.0	0.0	6.1	1	
9	0	-5	1	-0	0	0	0	2.0	4.2	1.0	0.0	6.2	1	
10	0	-10	1	-3	0	0	0	3.9	18.2	3.2	0.0	22.0	1	
11	0	-6	1	-2	0	0	0	2.4	10.9	2.0	0.0	13.3	1	
12	0	-6	1	-2	0	0	0	2.4	11.2	2.0	0.0	13.6	1	
13	0	-6	1	-2	0	0	0	2.4	11.3	2.0	0.0	13.8	1	
14	0	-9	2	-1	0	0	0	3.4	6.6	1.6	0.0	10.0	1	
15	0	-5	1	-0	0	0	0	2.0	3.5	0.9	0.0	5.4	1	
16	0	-5	1	-0	0	0	0	2.0	3.9	1.0	0.0	6.0	1	
17	0	-5	1	-0	0	0	0	2.0	4.1	1.0	0.0	6.1	1	
1A	48	-6	0	0	0	0	0	2.3	21.3	0.0	0.0	23.6	6	
1E	48	-5	0	0	0	0	0	1.8	21.3	0.0	0.0	23.1	6	
1I	48	-6	0	0	0	0	0	2.3	21.7	0.0	0.0	24.0	6	
1M	48	-5	0	0	0	0	0	1.9	21.7	0.0	0.0	23.6	6	
2	48	-10	0	0	0	1	0	3.9	92.2	0.0	0.0	96.1	1	
3	48	-6	0	0	0	1	0	2.4	57.3	0.0	0.0	59.7	1	
4	48	-6	0	0	0	1	0	2.4	57.6	0.0	0.0	60.0	1	
5	48	-6	0	0	0	1	0	2.4	57.5	0.0	0.0	59.9	1	
6	48	-9	0	0	0	0	0	3.2	37.9	0.0	0.0	41.1	6	
7	48	-5	0	0	0	0	0	2.0	23.6	0.0	0.0	25.6	6	
8	48	-5	0	0	0	0	0	2.0	23.7	0.0	0.0	25.7	6	
9	48	-5	0	0	0	0	0	2.0	23.7	0.0	0.0	25.7	6	
10	48	-10	0	0	0	1	0	3.9	92.1	0.0	0.0	96.0	1	
11	48	-6	0	0	0	1	0	2.4	57.2	0.0	0.0	59.6	1	
12	48	-6	0	0	0	1	0	2.4	57.5	0.0	0.0	60.0	1	
13	48	-6	0	0	0	1	0	2.4	57.5	0.0	0.0	59.9	1	
14	48	-9	0	0	0	0	0	3.4	39.9	0.0	0.0	43.3	6	
15	48	-5	0	0	0	0	0	2.0	23.6	0.0	0.0	25.6	6	
16	48	-5	0	0	0	0	0	2.0	23.6	0.0	0.0	25.7	6	
17	48	-5	0	0	0	0	0	2.0	23.6	0.0	0.0	25.6	6	
1A	97	-6	-1	0	0	0	-0	2.3	1.7	1.1	0.0	4.0	1	
1E	97	-5	-1	0	0	0	-0	1.8	1.7	1.1	0.0	3.6	1	
1I	97	-6	-1	0	0	0	0	2.3	2.2	1.1	0.0	4.5	1	
1M	97	-5	-1	0	0	0	0	1.9	2.2	1.1	0.0	4.1	1	
2	97	-10	-1	3	0	0	0	3.9	18.4	3.2	0.0	22.2	1	
3	97	-6	-1	2	0	0	0	2.4	11.2	2.0	0.0	13.5	1	
4	97	-6	-1	2	0	0	0	2.4	11.5	2.0	0.0	13.9	1	
5	97	-6	-1	2	0	0	0	2.4	11.4	2.0	0.0	13.7	1	
6	97	-9	-1	1	0	0	0	3.2	6.6	1.5	0.0	9.8	1	
7	97	-5	-1	0	0	0	0	2.0	3.4	0.9	0.0	5.4	1	
8	97	-5	-1	0	0	0	0	2.0	4.0	0.9	0.0	6.0	1	
9	97	-5	-1	0	0	0	0	2.0	3.7	0.9	0.0	5.7	1	
10	97	-10	-1	3	0	0	0	3.9	18.3	3.2	0.0	22.1	1	
11	97	-6	-1	2	0	0	0	2.4	11.1	2.0	0.0	13.4	1	
12	97	-6	-1	2	0	0	0	2.4	11.5	2.0	0.0	13.9	1	
13	97	-6	-1	2	0	0	0	2.4	11.3	2.0	0.0	13.8	1	
14	97	-9	-1	1	0	0	0	3.4	6.4	1.6	0.0	9.8	1	
15	97	-5	-1	0	0	0	0	2.0	3.2	0.9	0.0	5.2	1	
16	97	-5	-1	0	0	0	0	2.0	3.9	0.9	0.0	5.9	1	
17	97	-5	-1	0	0	0	0	2.0	3.6	0.9	0.0	5.6	1	

ASTA NUM. 8 NI 245 NF 242 Lungh. 132.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.0170	1.0170 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-3	1	-0	0	-0	0	1.2	2.4	0.7	0.0	3.6	1	
1E	0	4	1	-0	0	-0	0	1.5	2.4	0.7	0.0	3.9	1	
1I	0	-1	1	0	0	-0	0	0.3	2.3	0.7	0.0	2.6	1	
1M	0	1	1	0	0	-0	0	0.5	2.3	0.7	0.0	2.8	1	
2	0	0	1	-4	0	-0	0	0.1	1.8	4.4	0.0	7.6	3	
3	0	1	1	-3	0	0	0	0.4	0.2	2.7	0.0	4.7	3	
4	0	0	1	-3	0	-0	0	0.2	1.0	2.7	0.0	4.7	3	
5	0	0	1	-3	0	-0	0	0.1	0.8	2.7	0.0	4.7	3	
6	0	1	1	-1	0	-0	0	0.4	3.8	1.1	0.0	4.2	1	
7	0	2	1	-1	0	-0	0	0.7	0.9	0.7	0.0	1.8	4	
8	0	1	1	-1	0	-0	0	0.4	2.5	0.7	0.0	2.9	1	
9	0	1	1	-1	0	-0	0	0.2	2.2	0.7	0.0	2.4	1	
10	0	1	1	-4	0	-0	0	0.3	2.0	4.4	0.0	7.6	3	
11	0	1	1	-3	0	0	0	0.4	0.1	2.7	0.0	4.7	3	
12	0	1	1	-3	0	-0	0	0.3	1.2	2.7	0.0	4.7	3	
13	0	0	1	-3	0	-0	0	0.1	0.9	2.7	0.0	4.7	3	
14	0	2	1	-1	0	-0	0	0.6	4.1	1.1	0.0	4.7	1	
15	0	2	1	-1	0	-0	0	0.8	1.1	0.7	0.0	1.9	4	
16	0	2	1	-1	0	-0	0	0.6	2.9	0.7	0.0	3.4	1	
17	0	1	1	-1	0	-0	0	0.4	2.4	0.7	0.0	2.8	1	
1A	66	-2	-0	-0	0	-0	0	0.8	19.3	0.0	0.0	20.0	6	
1E	66	5	-0	-0	0	-0	0	1.9	19.3	0.0	0.0	21.2	6	
1I	66	0	-0	0	0	-0	0	0.2	19.0	0.0	0.0	19.2	6	
1M	66	3	-0	0	0	-0	0	1.0	19.0	0.0	0.0	20.0	6	
2	66	2	-0	0	0	1	0	0.8	122.8	0.1	0.0	123.6	1	
3	66	2	-0	0	0	1	0	0.8	77.6	0.0	0.0	78.4	1	
4	66	2	-0	0	0	1	0	0.6	76.6	0.0	0.0	77.2	1	
5	66	1	-0	0	0	1	0	0.5	76.8	0.0	0.0	77.3	1	
6	66	3	-0	0	0	0	0	1.0	35.2	0.0	0.0	36.2	6	
7	66	3	-0	0	0	0	0	1.1	23.1	0.0	0.0	24.2	1	
8	66	2	-0	0	0	0	0	0.8	21.9	0.0	0.0	22.7	6	
9	66	2	-0	0	0	0	0	0.6	22.0	0.0	0.0	22.7	6	
10	66	2	-0	0	0	1	0	0.9	122.6	0.1	0.0	123.5	1	
11	66	2	-0	0	0	1	0	0.8	77.5	0.0	0.0	78.3	1	
12	66	2	-0	0	0	1	0	0.7	76.4	0.0	0.0	77.1	1	
13	66	1	-0	0	0	1	0	0.5	76.7	0.0	0.0	77.2	1	
14	66	3	-0	0	0	0	0	1.3	36.8	0.0	0.0	38.1	6	
15	66	3	-0	0	0	0	0	1.2	22.9	0.0	0.0	24.1	1	
16	66	3	-0	0	0	0	0	1.0	21.7	0.0	0.0	22.7	6	
17	66	2	-0	0	0	0	0	0.8	21.9	0.0	0.0	22.6	6	
1A	133	-1	-1	-0	0	-0	-0	0.3	2.8	0.7	0.0	3.1	1	
1E	133	6	-1	-0	0	-0	-0	2.4	2.8	0.7	0.0	5.2	1	
1I	133	2	-1	0	0	-0	-0	0.6	3.1	0.7	0.0	3.7	1	
1M	133	4	-1	0	0	-0	-0	1.4	3.1	0.7	0.0	4.5	1	
2	133	4	-1	4	0	-0	-0	1.4	9.4	4.5	0.0	10.8	1	
3	133	3	-1	3	0	-0	-0	1.2	5.0	2.8	0.0	6.2	1	
4	133	3	-1	3	0	-0	-0	1.0	6.0	2.8	0.0	7.0	1	
5	133	2	-1	3	0	-0	-0	0.9	5.9	2.8	0.0	6.7	1	
6	133	4	-1	1	0	-0	-0	1.7	6.2	1.1	0.0	7.9	1	
7	133	4	-1	1	0	-0	-0	1.5	3.1	0.7	0.0	4.6	6	
8	133	3	-1	1	0	-0	-0	1.2	4.0	0.7	0.0	5.2	1	
9	133	3	-1	1	0	-0	-0	1.0	3.8	0.7	0.0	4.8	1	
10	133	4	-1	4	0	-0	-0	1.5	9.8	4.5	0.0	11.3	1	
11	133	3	-1	3	0	-0	-0	1.2	5.2	2.8	0.0	6.4	1	
12	133	3	-1	3	0	-0	-0	1.1	6.2	2.8	0.0	7.3	1	
13	133	3	-1	3	0	-0	-0	0.9	6.1	2.8	0.0	7.0	1	
14	133	5	-1	1	0	-0	-0	2.0	6.8	1.1	0.0	8.8	1	
15	133	4	-1	1	0	-0	-0	1.6	3.3	0.7	0.0	4.9	6	
16	133	4	-1	1	0	-0	-0	1.4	4.4	0.7	0.0	5.8	1	
17	133	3	-1	1	0	-0	-0	1.2	4.2	0.7	0.0	5.3	1	

ASTA NUM. 9 NI 244 NF 242 Lungh. 32.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-4	0	-0	0	0	-0	1.6	3.2	0.5	0.0	4.8	6	
1E	0	-2	0	-0	0	0	-0	0.6	3.2	0.5	0.0	3.9	6	
1I	0	-4	0	-0	0	0	-0	1.3	3.7	0.5	0.0	5.0	6	
1M	0	-2	0	-0	0	0	-0	0.9	3.7	0.5	0.0	4.5	6	
2	0	-7	1	-1	0	-0	-0	2.4	8.8	1.3	0.0	11.2	6	
3	0	-4	0	-1	0	-0	-0	1.6	4.2	0.8	0.0	5.9	6	
4	0	-4	0	-1	0	-0	-0	1.6	5.5	0.8	0.0	7.1	6	
5	0	-4	0	-1	0	-0	-0	1.5	5.5	0.8	0.0	7.0	6	
6	0	-5	1	-0	0	0	-0	1.9	7.5	0.8	0.0	9.4	6	
7	0	-4	0	-0	0	-0	-0	1.3	2.7	0.4	0.0	4.1	6	
8	0	-3	0	-0	0	-0	-0	1.2	4.7	0.5	0.0	5.9	6	
9	0	-3	0	-0	0	0	-0	1.2	4.7	0.5	0.0	5.9	6	
10	0	-7	1	-1	0	-0	-0	2.5	9.5	1.3	0.0	12.0	6	
11	0	-4	0	-1	0	-0	-0	1.6	4.4	0.8	0.0	6.0	6	
12	0	-4	0	-1	0	-0	-0	1.6	5.9	0.8	0.0	7.5	6	
13	0	-4	0	-1	0	-0	-0	1.6	5.9	0.8	0.0	7.5	6	
14	0	-5	1	-0	0	0	-0	2.0	8.5	0.9	0.0	10.5	6	
15	0	-4	0	-0	0	-0	-0	1.4	3.0	0.4	0.0	4.4	6	
16	0	-3	1	-0	0	-0	-0	1.3	5.2	0.5	0.0	6.5	6	
17	0	-3	1	-0	0	0	-0	1.2	5.2	0.5	0.0	6.4	6	
1A	16	-4	0	-0	0	0	0	1.6	0.8	0.1	0.0	2.3	1	
1E	16	-2	0	-0	0	0	0	0.6	0.8	0.1	0.0	1.4	1	
1I	16	-4	0	-0	0	0	0	1.3	0.9	0.2	0.0	2.2	1	
1M	16	-2	0	-0	0	0	0	0.9	0.9	0.2	0.0	1.8	1	
2	16	-7	0	-0	0	0	-0	2.4	11.0	0.2	0.0	13.5	1	
3	16	-4	0	-0	0	0	-0	1.6	6.5	0.1	0.0	8.1	1	
4	16	-4	0	-0	0	0	-0	1.6	6.9	0.2	0.0	8.5	1	
5	16	-4	0	-0	0	0	-0	1.5	6.9	0.2	0.0	8.4	1	
6	16	-5	0	-0	0	0	0	1.9	3.6	0.3	0.0	5.5	1	
7	16	-4	0	-0	0	0	0	1.3	1.7	0.1	0.0	3.1	1	
8	16	-3	0	-0	0	0	0	1.2	2.3	0.2	0.0	3.5	1	
9	16	-3	0	-0	0	0	0	1.2	2.2	0.2	0.0	3.4	1	
10	16	-7	0	-0	0	0	-0	2.5	11.2	0.3	0.0	13.7	1	
11	16	-4	0	-0	0	0	-0	1.6	6.5	0.1	0.0	8.2	1	
12	16	-4	0	-0	0	0	-0	1.6	7.0	0.2	0.0	8.6	1	
13	16	-4	0	-0	0	0	-0	1.6	7.0	0.2	0.0	8.5	1	
14	16	-5	0	-0	0	0	0	2.0	3.8	0.4	0.0	5.8	1	
15	16	-4	0	-0	0	0	0	1.4	1.8	0.1	0.0	3.2	1	
16	16	-3	0	-0	0	0	0	1.3	2.4	0.2	0.0	3.7	1	
17	16	-3	0	-0	0	0	0	1.2	2.3	0.2	0.0	3.5	1	
1A	32	-4	-0	-0	0	0	-0	1.6	1.8	0.2	0.0	3.4	1	
1E	32	-2	-0	-0	0	0	-0	0.6	1.8	0.2	0.0	2.4	1	
1I	32	-4	-0	-0	0	0	0	1.3	1.5	0.2	0.0	2.9	1	
1M	32	-2	-0	-0	0	0	0	0.9	1.5	0.2	0.0	2.4	1	
2	32	-7	-0	1	0	0	-0	2.4	7.5	0.8	0.0	9.9	1	
3	32	-4	-0	1	0	0	-0	1.6	4.3	0.5	0.0	6.0	1	
4	32	-4	-0	0	0	0	-0	1.6	4.8	0.5	0.0	6.3	1	
5	32	-4	-0	0	0	0	-0	1.5	4.6	0.5	0.0	6.2	1	
6	32	-5	-0	0	0	0	0	1.9	3.7	0.2	0.0	5.5	1	
7	32	-4	-0	0	0	0	-0	1.3	1.8	0.3	0.0	3.1	1	
8	32	-3	-0	0	0	0	0	1.2	2.4	0.1	0.0	3.6	1	
9	32	-3	-0	0	0	0	0	1.2	2.2	0.1	0.0	3.4	1	
10	32	-7	-0	1	0	0	-0	2.5	7.4	0.8	0.0	9.9	1	
11	32	-4	-0	1	0	0	-0	1.6	4.4	0.5	0.0	6.0	1	
12	32	-4	-0	0	0	0	-0	1.6	4.8	0.5	0.0	6.4	1	
13	32	-4	-0	0	0	0	-0	1.6	4.6	0.5	0.0	6.2	1	
14	32	-5	-0	0	0	0	0	2.0	4.4	0.2	0.0	6.4	1	
15	32	-4	-0	0	0	0	-0	1.4	1.9	0.2	0.0	3.3	1	
16	32	-3	-0	0	0	0	0	1.3	2.7	0.1	0.0	4.0	1	
17	32	-3	-0	0	0	0	0	1.2	2.5	0.1	0.0	3.7	1	

ASTA NUM. 10 NI 234 NF 250 Lungh. 67.4 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-6109	0	-0	0	0	-0	698.2	3.0	0.1	0.0	701.1	1	
1E	0	-6083	0	-0	0	0	-0	695.2	3.0	0.1	0.0	698.2	1	
1I	0	-6102	0	-0	0	0	-0	697.4	3.5	0.1	0.0	700.9	1	
1M	0	-6090	0	-0	0	0	-0	696.0	3.5	0.1	0.0	699.5	1	
2	0	-8031	1	12	0	2	-0	917.8	21.1	3.8	0.0	938.9	1	
3	0	-5132	1	7	0	1	-0	586.5	12.9	2.4	0.0	599.4	1	
4	0	-5302	1	7	0	1	-0	605.9	12.7	2.3	0.0	618.6	1	
5	0	-4948	1	7	0	1	-0	565.5	12.9	2.4	0.0	578.4	1	
6	0	-10440	1	2	0	1	-0	1193.1	9.0	0.7	0.0	1202.1	1	
7	0	-6699	1	1	0	0	-0	765.6	5.3	0.4	0.0	770.9	1	
8	0	-6843	1	1	0	0	-0	782.1	5.1	0.4	0.0	787.2	1	
9	0	-6420	1	1	0	0	-0	733.7	5.4	0.5	0.0	739.1	1	
10	0	-6843	2	12	0	2	-0	782.1	23.6	3.9	0.0	805.6	1	
11	0	-4389	1	7	0	1	-0	501.6	14.4	2.4	0.0	516.0	1	
12	0	-4609	1	7	0	1	-0	526.7	14.2	2.4	0.0	541.0	1	
13	0	-4205	1	7	0	1	-0	480.6	14.5	2.4	0.0	495.0	1	
14	0	-9258	1	3	0	1	-0	1058.1	12.3	0.8	0.0	1070.4	1	
15	0	-5959	1	2	0	1	-0	681.0	7.4	0.5	0.0	688.4	1	

16	0	-6184	1	1	0	1	-0	706.7	7.2	0.5	0.0	713.9	1
17	0	-5680	1	2	0	1	-0	649.1	7.5	0.5	0.0	656.6	1
1A	34	-6107	-0	-0	0	0	-0	697.9	4.4	0.1	0.0	702.3	1
1E	34	-6080	-0	-0	0	0	-0	694.9	4.4	0.1	0.0	699.4	1
1I	34	-6100	-0	-0	0	0	-0	697.1	3.8	0.1	0.0	700.9	1
1M	34	-6087	-0	-0	0	0	-0	695.7	3.8	0.1	0.0	699.5	1
2	34	-8028	1	7	0	-2	-0	917.5	18.7	2.3	0.0	936.2	1
3	34	-5130	0	4	0	-1	-0	586.3	11.8	1.4	0.0	598.1	1
4	34	-5300	0	4	0	-1	-0	605.7	11.9	1.4	0.0	617.6	1
5	34	-4947	0	4	0	-1	-0	565.3	11.8	1.4	0.0	577.2	1
6	34	-10435	0	1	0	0	-0	1192.6	2.0	0.3	0.0	1194.6	6
7	34	-6697	0	1	0	0	-0	765.4	1.2	0.2	0.0	766.6	6
8	34	-6842	0	1	0	0	-0	781.9	1.2	0.2	0.0	783.1	6
9	34	-6418	-0	1	0	0	-0	733.5	1.1	0.2	0.0	734.6	6
10	34	-6840	1	7	0	-1	-0	781.7	17.4	2.4	0.0	799.1	1
11	34	-4388	0	5	0	-1	-0	501.4	11.0	1.5	0.0	512.5	1
12	34	-4607	0	4	0	-1	-0	526.5	11.1	1.5	0.0	537.6	1
13	34	-4203	0	5	0	-1	-0	480.3	11.1	1.5	0.0	491.4	1
14	34	-9255	0	1	0	0	-0	1057.7	3.5	0.5	0.0	1061.1	1
15	34	-5958	0	1	0	0	-0	680.9	2.0	0.3	0.0	682.9	1
16	34	-6183	0	1	0	0	-0	706.6	2.0	0.3	0.0	708.6	1
17	34	-5678	0	1	0	0	-0	648.9	2.0	0.3	0.0	650.9	1
1A	67	-6104	-1	-0	0	0	-0	697.6	6.9	0.3	0.0	704.5	1
1E	67	-6078	-1	-0	0	0	-0	694.6	6.9	0.3	0.0	701.5	1
1I	67	-6097	-1	-0	0	0	-0	696.8	5.0	0.3	0.0	701.8	1
1M	67	-6085	-1	-0	0	0	-0	695.4	5.0	0.3	0.0	700.4	1
2	67	-8025	-0	2	0	-3	0	917.1	37.6	0.8	0.0	954.8	1
3	67	-5128	-0	2	0	-2	0	586.1	23.5	0.5	0.0	609.5	1
4	67	-5298	-0	1	0	-2	0	605.5	23.4	0.5	0.0	628.8	1
5	67	-4945	-0	2	0	-2	0	565.1	23.7	0.5	0.0	588.8	1
6	67	-10430	-1	-0	0	-0	-0	1192.0	3.6	0.3	0.0	1195.6	6
7	67	-6695	-1	-0	0	-0	-0	765.1	2.2	0.2	0.0	767.4	6
8	67	-6840	-1	-0	0	-0	-0	781.7	2.2	0.2	0.0	783.9	6
9	67	-6416	-1	-0	0	-0	-0	733.3	2.3	0.2	0.0	735.6	6
10	67	-6836	-0	3	0	-3	0	781.3	37.7	0.9	0.0	818.9	1
11	67	-4386	-0	2	0	-2	0	501.3	23.5	0.6	0.0	524.8	1
12	67	-4605	-0	2	0	-2	0	526.3	23.4	0.5	0.0	549.6	1
13	67	-4201	-0	2	0	-2	0	480.1	23.7	0.6	0.0	503.8	1
14	67	-9251	-1	0	0	-0	-0	1057.3	3.2	0.3	0.0	1060.5	6
15	67	-5956	-0	0	0	-0	-0	680.7	1.9	0.2	0.0	682.6	6
16	67	-6181	-0	0	0	-0	-0	706.4	1.8	0.1	0.0	708.2	6
17	67	-5676	-0	0	0	-0	-0	648.7	2.0	0.2	0.0	650.7	6

ASTA NUM. 11 NI 251 NF 246 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6076	0	1	0	0	0	694.3	6.2	0.3	0.0	700.5	1	
1E	0	-6060	0	1	0	0	0	692.6	6.2	0.3	0.0	698.8	1	
1I	0	-6071	0	1	0	0	0	693.8	6.7	0.3	0.0	700.5	1	
1M	0	-6065	0	1	0	0	0	693.1	6.7	0.3	0.0	699.8	1	
2	0	-7932	0	3	0	-1	1	906.5	18.3	1.1	0.0	924.8	1	
3	0	-5070	-0	2	0	-1	0	579.4	11.4	0.7	0.0	590.9	1	
4	0	-5240	-0	2	0	-1	0	598.9	11.5	0.7	0.0	610.4	1	
5	0	-4887	0	2	0	-1	0	558.5	11.4	0.7	0.0	569.9	1	
6	0	-10380	0	2	0	0	0	1186.3	6.4	0.6	0.0	1192.7	6	
7	0	-6664	0	1	0	0	0	761.6	4.2	0.4	0.0	765.8	6	
8	0	-6808	0	1	0	0	0	778.1	4.4	0.4	0.0	782.5	6	
9	0	-6386	0	1	0	0	0	729.8	3.9	0.4	0.0	733.7	6	
10	0	-6745	0	3	0	-1	0	770.9	18.5	1.1	0.0	789.4	1	
11	0	-4328	0	2	0	-1	0	494.6	11.6	0.7	0.0	506.2	1	
12	0	-4547	-0	2	0	-1	0	519.7	11.7	0.7	0.0	531.3	1	
13	0	-4144	0	2	0	-1	0	473.6	11.5	0.7	0.0	485.1	1	
14	0	-9201	1	2	0	0	0	1051.5	5.1	0.6	0.0	1056.6	6	
15	0	-5925	0	1	0	0	0	677.1	3.6	0.4	0.0	680.7	6	
16	0	-6150	0	1	0	0	0	702.9	3.9	0.4	0.0	706.7	6	
17	0	-5646	0	1	0	0	0	645.3	3.2	0.3	0.0	648.4	6	
1A	30	-6074	-0	1	0	0	0	694.1	4.1	0.3	0.0	698.3	6	
1E	30	-6058	-0	1	0	0	0	692.4	4.1	0.3	0.0	696.5	6	
1I	30	-6069	-0	1	0	0	0	693.6	4.1	0.3	0.0	697.7	6	
1M	30	-6063	-0	1	0	0	0	692.9	4.1	0.3	0.0	697.0	6	
2	30	-7930	-1	-1	0	-2	0	906.2	22.9	0.2	0.0	929.1	1	
3	30	-5069	-1	-0	0	-1	0	579.3	14.4	0.2	0.0	593.6	1	
4	30	-5238	-1	-0	0	-1	0	598.6	14.5	0.2	0.0	613.1	1	
5	30	-4885	-0	-0	0	-1	0	558.3	14.2	0.1	0.0	572.5	1	
6	30	-10380	-0	1	0	-0	0	1186.3	6.0	0.3	0.0	1192.3	6	
7	30	-6663	-0	1	0	-0	0	761.4	3.8	0.2	0.0	765.2	6	
8	30	-6807	-0	1	0	-0	0	777.9	3.8	0.2	0.0	781.6	6	
9	30	-6385	-0	0	0	-0	0	729.7	3.8	0.2	0.0	733.4	6	
10	30	-6743	-1	-1	0	-2	0	770.6	22.8	0.3	0.0	793.4	1	
11	30	-4327	-0	-0	0	-1	0	494.5	14.3	0.1	0.0	508.8	1	
12	30	-4546	-1	-0	0	-1	0	519.5	14.5	0.2	0.0	534.0	1	
13	30	-4143	-0	-0	0	-1	0	473.4	14.2	0.2	0.0	487.6	1	
14	30	-9198	-0	1	0	-0	0	1051.2	5.8	0.2	0.0	1057.0	6	
15	30	-5924	-0	0	0	-0	0	677.0	3.6	0.2	0.0	680.6	6	
16	30	-6148	-0	1	0	-0	0	702.6	3.6	0.2	0.0	706.2	6	
17	30	-5645	-0	0	0	-0	0	645.1	3.6	0.1	0.0	648.7	6	
1A	60	-6072	-1	1	0	-0	0	693.9	1.6	0.3	0.0	695.5	6	
1E	60	-6056	-1	1	0	-0	0	692.2	1.6	0.3	0.0	693.8	6	
1I	60	-6067	-1	1	0	-0	0	693.4	1.6	0.3	0.0	694.9	6	
1M	60	-6061	-1	1	0	-0	0	692.7	1.6	0.3	0.0	694.3	6	
2	60	-7927	-2	-5	0	-1	0	905.9	11.8	1.5	0.0	917.8	1	
3	60	-5067	-1	-3	0	-1	0	579.1	7.5	0.9	0.0	586.6	1	
4	60	-5236	-1	-3	0	-1	0	598.4	7.7	0.9	0.0	606.1	1	
5	60	-4883	-1	-3	0	-1	0	558.1	7.3	1.0	0.0	565.3	1	
6	60	-10380	-1	-0	0	-0	0	1186.3	4.1	0.4	0.0	1190.4	1	
7	60	-6661	-1	-0	0	-0	0	761.3	2.8	0.3	0.0	764.1	1	
8	60	-6805	-1	-0	0	-0	0	777.7	3.0	0.3	0.0	780.7	1	
9	60	-6383	-1	-0	0	-0	0	729.5	2.4	0.2	0.0	731.9	1	
10	60	-6740	-1	-5	0	-1	0	770.3	11.4	1.6	0.0	781.7	1	
11	60	-4325	-1	-3	0	-1	0	494.3	7.3	1.0	0.0	501.6	1	
12	60	-4544	-1	-3	0	-1	0	519.3	7.6	1.0	0.0	526.9	1	
13	60	-4141	-1	-3	0	-1	0	473.3	7.0	1.0	0.0	480.3	1	
14	60	-9195	-1	-0	0	-0	0	1050.9	4.0	0.4	0.0	1054.9	1	
15	60	-5922	-1	-0	0	-0	0	676.8	2.6	0.2	0.0	679.4	1	
16	60	-6146	-1	-0	0	-0	0	702.4	2.9	0.3	0.0	705.3	1	
17	60	-5643	-1	-0	0	-0	0	644.9	2.3	0.2	0.0	647.2	6	

ASTA NUM. 12 NI 230 NF 252 Lungh. 67.4 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5378	1	1	0	-0	-0	614.6	2.3	0.2	0.0	617.0	1	
1E	0	-5352	1	1	0	-0	-0	611.7	2.3	0.2	0.0	614.0	1	
1I	0	-5371	1	1	0	-0	-0	613.9	1.9	0.3	0.0	615.8	1	
1M	0	-5359	1	1	0	-0	-0	612.4	1.9	0.3	0.0	614.3	1	
2	0	-6704	2	-10	0	-1	-0	766.2	15.4	3.1	0.0	781.6	1	
3	0	-4078	1	-6	0	-1	-0	466.1	9.4	1.9	0.0	475.5	1	
4	0	-3908	1	-6	0	-1	-0	446.6	9.4	2.0	0.0	456.0	1	
5	0	-4261	1	-6	0	-1	-0	487.0	9.3	1.9	0.0	496.2	1	
6	0	-9221	2	-2	0	-1	-0	1053.8	7.6	0.6	0.0	1061.4	1	
7	0	-5588	1	-1	0	-0	-0	638.6	4.5	0.4	0.0	643.1	1	
8	0	-5443	1	-1	0	-0	-0	622.1	4.6	0.4	0.0	626.6	1	
9	0	-5866	1	-1	0	-0	-0	670.4	4.4	0.3	0.0	674.8	1	
10	0	-5869	2	-10	0	-1	-0	670.7	17.7	3.2	0.0	688.4	1	
11	0	-3555	1	-6	0	-1	-0	406.3	10.9	2.0	0.0	417.1	1	
12	0	-3336	1	-6	0	-1	-0	381.3	10.8	2.0	0.0	392.1	1	
13	0	-3740	1	-6	0	-1	-0	427.4	10.7	2.0	0.0	438.1	1	
14	0	-8041	2	-2	0	-1	-0	919.0	10.9	0.7	0.0	929.8	1	
15	0	-4848	1	-1	0	-0	-0	554.1	6.5	0.4	0.0	560.6	1	
16	0	-4623	1	-1	0	-0	-0	528.3	6.6	0.4	0.0	534.9	1	
17	0	-5128	1	-1	0	-0	-0	586.1	6.4	0.4	0.0	592.4	1	
1A	34	-5376	0	1	0	-0	0	614.4	4.3	0.2	0.0	618.7	1	
1E	34	-5350	0	1	0	-0	0	611.4	4.3	0.2	0.0	615.8	1	
1I	34	-5369	0	1	0	-0	0	613.6	4.9	0.3	0.0	618.6	1	
1M	34	-5357	0	1	0	-0	0	612.2	4.9	0.3	0.0	617.1	1	
2	34	-6701	1	-5	0	1	0	765.8	16.3	1.6	0.0	782.1	1	
3	34	-4076	1	-3	0	1	0	465.8	10.3	1.0	0.0	476.2	1	
4	34	-3906	1	-3	0	1	0	446.4	10.5	1.0	0.0	456.9	1	
5	34	-4259	1	-3	0	1	0	486.7	10.4	1.0	0.0	497.1	1	
6	34	-9218	1	-1	0	-0	0	1053.5	2.2	0.2	0.0	1055.7	1	
7	34	-5586	0	-0	0	-0	0	638.4	1.3	0.1	0.0	639.7	6	
8	34	-5441	0	-0	0	-0	0	621.8	1.4	0.1	0.0	623.2	6	
9	34	-5864	0	-0	0	-0	0	670.2	1.3	0.1	0.0	671.4	6	
10	34	-5866	1	-5	0	1	0	670.4	14.8	1.7	0.0	685.2	1	
11	34	-3553	1	-3	0	1	0	406.1	9.5	1.1	0.0	415.5	1	
12	34	-3334	1	-3	0	1	0	381.0	9.6	1.1	0.0	390.6	1	
13	34	-3738	1	-3	0	1	0	427.2	9.5	1.0	0.0	436.7	1	
14	34	-8038	1	-1	0	-0	0	918.6	3.9	0.3	0.0	922.5	1	
15	34	-4846	0	-1	0	-0	0	553.8	2.2	0.2	0.0	556.0	1	
16	34	-4621	0	-1	0	-0	0	528.1	2.2	0.2	0.0	530.3	1	
17	34	-5126	0	-1	0	-0	0	585.8	2.2	0.2	0.0	588.0	1	
1A	67	-5374	-1	1	0	-1	-0	614.2	6.6	0.2	0.0	620.8	1	
1E	67	-5348	-1	1	0	-1	-0	611.2	6.6	0.2	0.0	617.8	1	
1I	67	-5367	-0	1	0	-1	0	613.4	7.9	0.3	0.0	621.3	1	
1M	67	-5355	-0	1	0	-1	0	612.0	7.9	0.3	0.0	619.8	1	

2	67	-6698	0	-0	0	2	0	765.5	28.3	0.1	0.0	793.8	1
3	67	-4074	0	-0	0	1	0	465.6	17.8	0.1	0.0	483.4	1
4	67	-3904	0	-0	0	1	0	446.2	18.0	0.1	0.0	464.2	1
5	67	-4257	0	-0	0	1	0	486.5	17.7	0.1	0.0	504.2	1
6	67	-9215	-0	1	0	-0	0	1053.1	3.3	0.2	0.0	1056.4	6
7	67	-5584	-0	0	0	-0	0	638.2	1.9	0.1	0.0	640.1	6
8	67	-5439	-0	0	0	-0	0	621.6	1.9	0.1	0.0	623.5	6
9	67	-5862	-0	0	0	-0	0	669.9	2.0	0.1	0.0	672.0	6
10	67	-5863	0	-1	0	2	0	670.1	27.7	0.2	0.0	697.7	1
11	67	-3551	0	-0	0	1	0	405.8	17.5	0.1	0.0	423.3	1
12	67	-3332	0	-0	0	1	0	380.8	17.7	0.1	0.0	398.5	1
13	67	-3736	0	-0	0	1	0	427.0	17.4	0.1	0.0	444.3	1
14	67	-8034	-0	0	0	-0	0	918.2	3.0	0.1	0.0	921.1	6
15	67	-4844	-0	0	0	-0	0	553.6	1.8	0.0	0.0	555.4	6
16	67	-4619	-0	0	0	-0	0	527.9	1.8	0.0	0.0	529.6	6
17	67	-5124	-0	0	0	-0	0	585.6	2.0	0.1	0.0	587.6	6

ASTA NUM. 13 NI 253 NF 246 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 1.8365 1.8365 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5350	1	-1	0	-0	-0	611.4	6.2	0.4	0.0	617.6	6	
1E	0	-5334	1	-1	0	-0	-0	609.7	6.2	0.4	0.0	615.9	6	
1I	0	-5345	1	-1	0	-0	-0	610.9	6.3	0.4	0.0	617.2	6	
1M	0	-5339	1	-1	0	-0	-0	610.2	6.3	0.4	0.0	616.5	6	
2	0	-6612	1	-1	0	2	-0	755.7	27.0	0.4	0.0	782.7	1	
3	0	-4020	1	-1	0	1	-0	459.4	16.9	0.3	0.0	476.3	1	
4	0	-3851	1	-1	0	1	-0	440.1	17.0	0.3	0.0	457.1	1	
5	0	-4204	1	-1	0	1	-0	480.5	16.8	0.3	0.0	497.3	1	
6	0	-9173	2	-1	0	-0	-1	1048.3	8.4	0.6	0.0	1056.7	6	
7	0	-5558	1	-1	0	-0	-0	635.2	5.5	0.4	0.0	640.7	6	
8	0	-5414	1	-1	0	-0	-0	618.7	5.7	0.4	0.0	624.4	6	
9	0	-5836	1	-1	0	-0	-0	667.0	5.1	0.4	0.0	672.1	6	
10	0	-5776	1	-1	0	2	-0	660.1	27.4	0.4	0.0	687.5	1	
11	0	-3498	1	-1	0	1	-0	399.8	17.2	0.3	0.0	416.9	1	
12	0	-3279	1	-0	0	1	-0	374.7	17.3	0.3	0.0	392.0	1	
13	0	-3682	1	-1	0	1	-0	420.8	17.1	0.2	0.0	437.9	1	
14	0	-7990	2	-1	0	0	-1	913.1	8.2	0.6	0.0	921.4	6	
15	0	-4819	1	-1	0	0	-0	550.7	5.3	0.4	0.0	556.0	6	
16	0	-4594	1	-1	0	0	-0	525.0	5.6	0.4	0.0	530.6	6	
17	0	-5098	1	-1	0	0	-0	582.6	4.9	0.3	0.0	587.5	6	
1A	30	-5348	1	-1	0	-0	-0	611.1	1.8	0.3	0.0	613.0	6	
1E	30	-5332	1	-1	0	-0	-0	609.4	1.8	0.3	0.0	611.3	6	
1I	30	-5343	1	-1	0	-0	-0	610.6	1.9	0.2	0.0	612.5	6	
1M	30	-5337	1	-1	0	-0	-0	609.9	1.9	0.2	0.0	611.8	6	
2	30	-6610	1	3	0	2	-0	755.4	21.8	1.0	0.0	777.2	1	
3	30	-4019	0	2	0	1	-0	459.3	13.5	0.6	0.0	472.7	1	
4	30	-3849	0	2	0	1	-0	439.9	13.3	0.7	0.0	453.2	1	
5	30	-4202	0	2	0	1	-0	480.2	13.7	0.6	0.0	493.9	1	
6	30	-9170	1	-0	0	0	-0	1048.0	4.5	0.4	0.0	1052.5	1	
7	30	-5557	1	-0	0	0	-0	635.0	2.6	0.3	0.0	637.6	1	
8	30	-5413	1	-0	0	0	-0	618.6	2.4	0.3	0.0	621.0	1	
9	30	-5835	1	-0	0	0	-0	666.8	2.9	0.2	0.0	669.7	1	
10	30	-5774	0	3	0	2	-0	659.8	22.4	1.0	0.0	682.2	1	
11	30	-3496	0	2	0	1	-0	399.5	13.8	0.7	0.0	413.4	1	
12	30	-3277	0	2	0	1	-0	374.5	13.6	0.7	0.0	388.1	1	
13	30	-3680	0	2	0	1	-0	420.6	14.0	0.6	0.0	434.6	1	
14	30	-7988	1	-0	0	0	-0	912.9	5.0	0.3	0.0	917.9	1	
15	30	-4817	1	-0	0	0	-0	550.5	2.9	0.2	0.0	553.4	1	
16	30	-4593	1	-0	0	0	-0	524.9	2.6	0.3	0.0	527.5	1	
17	30	-5096	1	-0	0	0	-0	582.4	3.2	0.2	0.0	585.6	1	
1A	60	-5346	0	-1	0	0	-0	610.9	1.9	0.3	0.0	612.8	1	
1E	60	-5330	0	-1	0	0	-0	609.2	1.9	0.3	0.0	611.1	1	
1I	60	-5341	0	-1	0	0	-0	610.4	1.9	0.2	0.0	612.3	1	
1M	60	-5335	0	-1	0	0	-0	609.7	1.9	0.2	0.0	611.6	1	
2	60	-6607	-0	7	0	0	0	755.1	3.1	2.3	0.0	758.2	1	
3	60	-4017	-0	5	0	0	0	459.1	1.8	1.5	0.0	460.9	1	
4	60	-3847	0	5	0	0	0	439.7	1.6	1.5	0.0	441.2	1	
5	60	-4200	-0	4	0	0	0	480.0	2.1	1.5	0.0	482.1	1	
6	60	-9167	0	1	0	0	-0	1047.7	3.2	0.2	0.0	1050.9	1	
7	60	-5555	0	0	0	0	0	634.9	1.7	0.1	0.0	636.5	1	
8	60	-5411	0	0	0	0	0	618.4	1.5	0.1	0.0	619.9	1	
9	60	-5833	0	0	0	0	-0	666.6	2.3	0.1	0.0	668.9	1	
10	60	-5771	-0	7	0	0	-0	659.5	3.7	2.4	0.0	663.3	1	
11	60	-3494	-0	5	0	0	0	399.3	2.0	1.5	0.0	401.3	1	
12	60	-3275	-0	5	0	0	0	374.3	1.7	1.5	0.0	375.9	1	
13	60	-3678	-0	4	0	0	-0	420.3	2.5	1.5	0.0	422.9	1	
14	60	-7985	0	1	0	0	-0	912.6	3.6	0.2	0.0	916.2	1	
15	60	-4815	0	0	0	0	0	550.3	1.7	0.2	0.0	551.9	1	
16	60	-4591	0	1	0	0	0	524.7	1.4	0.2	0.0	526.1	1	
17	60	-5094	0	0	0	0	-0	582.2	2.4	0.1	0.0	584.6	1	

ASTA NUM. 14 NI 249 NF 250 Lungh. 80.9 cm SEZ. 22 Ps L 35X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 1.2504 1.2504 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-2	1	0	0	0	0	0.6	0.1	0.6	0.0	1.2	5	
1E	0	3	1	0	0	0	0	1.2	0.1	0.6	0.0	1.6	5	
1I	0	-0	1	0	0	0	0	0.0	0.1	0.6	0.0	1.0	5	
1M	0	2	1	0	0	0	0	0.6	0.1	0.6	0.0	1.2	5	
2	0	1	1	-2	0	-0	0	0.5	0.9	2.4	0.0	4.2	4	
3	0	1	0	-1	0	-0	0	0.3	0.5	1.5	0.0	2.6	4	
4	0	1	0	-1	0	-0	0	0.3	0.3	1.5	0.0	2.6	3	
5	0	1	0	-1	0	-0	0	0.3	0.7	1.5	0.0	2.6	4	
6	0	1	1	-1	0	-0	0	0.4	0.2	0.8	0.0	1.7	4	
7	0	1	0	-0	0	0	0	0.3	0.1	0.5	0.0	1.0	4	
8	0	1	0	-0	0	0	0	0.3	0.2	0.5	0.0	1.1	4	
9	0	1	0	-0	0	-0	0	0.2	0.2	0.5	0.0	1.0	4	
10	0	1	1	-2	0	-0	0	0.5	1.1	2.4	0.0	4.2	4	
11	0	1	0	-1	0	-0	0	0.3	0.6	1.5	0.0	2.6	4	
12	0	1	0	-1	0	-0	0	0.3	0.4	1.5	0.0	2.6	4	
13	0	1	0	-1	0	-0	0	0.3	0.8	1.5	0.0	2.6	4	
14	0	1	1	-1	0	-0	0	0.4	0.2	0.8	0.0	1.7	4	
15	0	1	0	-0	0	0	0	0.3	0.0	0.5	0.0	1.0	4	
16	0	1	0	-0	0	0	0	0.3	0.3	0.5	0.0	1.1	4	
17	0	1	0	-0	0	-0	0	0.2	0.2	0.5	0.0	1.0	4	
1A	40	-1	0	0	0	-0	0	0.4	9.7	0.0	0.0	10.1	6	
1E	40	4	0	0	0	-0	0	1.5	9.7	0.0	0.0	11.2	6	
1I	40	1	0	0	0	0	0	0.3	9.4	0.0	0.0	9.6	6	
1M	40	2	0	0	0	0	0	0.9	9.4	0.0	0.0	10.3	6	
2	40	2	0	0	0	0	0	0.8	37.2	0.3	0.0	38.0	1	
3	40	1	0	0	0	0	0	0.5	23.3	0.2	0.0	23.9	1	
4	40	1	0	0	0	0	0	0.5	23.5	0.2	0.0	24.0	1	
5	40	1	0	0	0	0	0	0.5	23.2	0.2	0.0	23.7	1	
6	40	2	0	0	0	0	0	0.7	16.2	0.1	0.0	16.9	6	
7	40	1	0	0	0	0	0	0.5	10.2	0.1	0.0	10.6	6	
8	40	1	0	0	0	0	0	0.5	10.2	0.1	0.0	10.7	6	
9	40	1	0	0	0	0	0	0.4	10.1	0.1	0.0	10.5	6	
10	40	2	0	0	0	0	0	0.8	36.9	0.3	0.0	37.7	1	
11	40	1	0	0	0	0	0	0.5	23.1	0.2	0.0	23.7	1	
12	40	1	0	0	0	0	0	0.6	23.3	0.2	0.0	23.9	1	
13	40	1	0	0	0	0	0	0.5	23.0	0.2	0.0	23.5	1	
14	40	2	0	0	0	0	0	0.8	16.9	0.1	0.0	17.8	6	
15	40	1	0	0	0	0	0	0.5	10.1	0.1	0.0	10.6	6	
16	40	1	0	0	0	0	0	0.5	10.2	0.1	0.0	10.7	6	
17	40	1	0	0	0	0	0	0.5	10.0	0.1	0.0	10.5	6	
1A	81	-0	-0	0	0	-0	0	0.1	2.2	0.5	0.0	2.4	6	
1E	81	5	-0	0	0	-0	0	1.8	2.2	0.5	0.0	4.0	6	
1I	81	1	-0	0	0	0	0	0.5	1.5	0.5	0.0	2.0	6	
1M	81	3	-0	0	0	0	0	1.1	1.5	0.5	0.0	2.6	6	
2	81	3	-1	3	0	-0	0	1.2	22.0	3.0	0.0	23.2	1	
3	81	2	-0	2	0	-0	0	0.7	13.6	1.9	0.0	14.4	1	
4	81	2	-0	2	0	-0	0	0.8	13.5	1.9	0.0	14.3	1	
5	81	2	-0	2	0	-0	0	0.7	13.7	1.9	0.0	14.5	1	
6	81	3	-1	1	0	-0	0	1.1	7.6	0.8	0.0	8.7	1	
7	81	2	-0	0	0	-0	0	0.7	4.6	0.5	0.0	5.3	1	
8	81	2	-0	0	0	-0	0	0.7	4.5	0.5	0.0	5.2	1	
9	81	2	-0	0	0	-0	0	0.7	4.8	0.5	0.0	5.4	1	
10	81	3	-1	3	0	-0	0	1.2	22.4	3.0	0.0	23.6	1	
11	81	2	-0	2	0	-0	0	0.8	13.9	1.9	0.0	14.6	1	
12	81	2	-0	2	0	-0	0	0.8	13.7	1.9	0.0	14.5	1	
13	81	2	-0	2	0	-0	0	0.7	14.0	1.9	0.0	14.7	1	
14	81	3	-1	1	0	-0	0	1.2	7.9	0.8	0.0	9.1	1	
15	81	2	-0	0	0	-0	0	0.7	4.8	0.5	0.0	5.5	1	
16	81	2	-0	0	0	-0	0	0.7	4.6	0.5	0.0	5.3	1	
17	81	2	-0	0	0	-0	0	0.7	5.0	0.5	0.0	5.6	1	

ASTA NUM. 15 NI 249 NF 252 Lungh. 80.9 cm SEZ. 22 Ps L 35X 4

qy medio cond.: A B C D E F G H p.p. y qy tot.
-- -- -- -- -- -- -- -- 1.2504 1.2504 daN/m

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

1A	0	-1	1	-0	0	0	0	0.2	0.1	0.5	0.0	1.0	5
1E	0	4	1	-0	0	0	0	1.7	0.1	0.5	0.0	2.0	5
1I	0	1	1	-0	0	0	0	0.4	0.2	0.5	0.0	1.1	5
1M	0	3	1	-0	0	0	0	1.1	0.2	0.5	0.0	1.5	5
2	0	3	1	2	0	-0	0	1.0	1.5	2.3	0.0	4.3	4
3	0	2	0	1	0	-0	0	0.6	0.9	1.5	0.0	2.7	4
4	0	2	0	1	0	-0	0	0.6	0.7	1.5	0.0	2.6	4
5	0	2	0	1	0	-0	0	0.6	1.0	1.5	0.0	2.7	4
6	0	3	1	1	0	-0	0	1.1	0.3	0.7	0.0	1.9	4
7	0	2	0	0	0	-0	0	0.6	0.0	0.5	0.0	1.2	4
8	0	2	0	0	0	0	0	0.6	0.1	0.5	0.0	1.2	4
9	0	2	0	0	0	-0	0	0.7	0.3	0.5	0.0	1.2	4
10	0	3	1	2	0	-0	0	1.0	1.7	2.3	0.0	4.3	4
11	0	2	0	1	0	-0	0	0.6	1.0	1.5	0.0	2.7	4
12	0	2	0	1	0	-0	0	0.6	0.8	1.5	0.0	2.6	4
13	0	2	0	1	0	-0	0	0.6	1.2	1.5	0.0	2.7	4
14	0	3	1	1	0	-0	0	1.1	0.3	0.8	0.0	2.0	4
15	0	2	0	0	0	-0	0	0.6	0.0	0.5	0.0	1.2	4
16	0	2	0	0	0	0	0	0.6	0.2	0.5	0.0	1.2	4
17	0	2	0	0	0	-0	0	0.7	0.3	0.5	0.0	1.2	4
1A	40	0	-0	-0	0	0	0	0.1	8.8	0.0	0.0	8.8	6
1E	40	5	-0	-0	0	0	0	1.9	8.8	0.0	0.0	10.7	6
1I	40	2	0	-0	0	0	0	0.7	8.7	0.0	0.0	9.4	6
1M	40	4	0	-0	0	0	0	1.3	8.7	0.0	0.0	10.0	6
2	40	4	-0	-0	0	-0	0	1.3	38.0	0.4	0.0	39.3	1
3	40	2	-0	-0	0	-0	0	0.8	23.7	0.2	0.0	24.5	1
4	40	2	-0	-0	0	-0	0	0.8	23.5	0.2	0.0	24.3	1
5	40	2	-0	-0	0	-0	0	0.8	23.8	0.2	0.0	24.6	1
6	40	4	-0	-0	0	-0	0	1.4	15.0	0.1	0.0	16.4	6
7	40	2	-0	-0	0	-0	0	0.9	9.3	0.1	0.0	10.2	6
8	40	2	-0	-0	0	-0	0	0.9	9.3	0.1	0.0	10.2	6
9	40	2	-0	-0	0	-0	0	0.9	9.4	0.1	0.0	10.3	6
10	40	4	-0	-0	0	-0	0	1.3	38.1	0.4	0.0	39.4	1
11	40	2	-0	-0	0	-0	0	0.8	23.7	0.2	0.0	24.5	1
12	40	2	-0	-0	0	-0	0	0.8	23.5	0.2	0.0	24.3	1
13	40	2	-0	-0	0	-0	0	0.8	23.8	0.2	0.0	24.7	1
14	40	4	0	-0	0	-0	0	1.5	15.9	0.1	0.0	17.4	6
15	40	2	0	-0	0	-0	0	0.9	9.4	0.1	0.0	10.2	6
16	40	2	0	-0	0	-0	0	0.8	9.3	0.1	0.0	10.1	6
17	40	2	0	-0	0	-0	0	0.9	9.4	0.1	0.0	10.3	6
1A	81	1	-1	-0	0	0	-0	0.3	1.1	0.5	0.0	1.4	1
1E	81	6	-1	-0	0	0	-0	2.2	1.1	0.5	0.0	3.3	1
1I	81	2	-1	-0	0	0	-0	0.9	0.4	0.5	0.0	1.4	4
1M	81	4	-1	-0	0	0	-0	1.6	0.4	0.5	0.0	1.9	4
2	81	4	-1	-3	0	0	-0	1.7	22.7	3.1	0.0	24.4	1
3	81	3	-0	-2	0	0	0	1.0	13.9	1.9	0.0	15.0	1
4	81	3	-0	-2	0	0	0	1.0	14.0	1.9	0.0	15.0	1
5	81	3	-0	-2	0	0	0	1.1	13.8	1.9	0.0	14.9	1
6	81	5	-1	-1	0	0	0	1.8	7.3	0.8	0.0	9.1	1
7	81	3	-0	-0	0	0	0	1.1	4.6	0.5	0.0	5.7	1
8	81	3	-0	-0	0	0	0	1.1	4.7	0.5	0.0	5.8	1
9	81	3	-0	-0	0	0	0	1.1	4.5	0.5	0.0	5.6	1
10	81	4	-1	-3	0	0	-0	1.7	22.7	3.1	0.0	24.4	1
11	81	3	-0	-2	0	0	0	1.0	14.0	1.9	0.0	15.0	1
12	81	3	-0	-2	0	0	0	1.0	14.1	1.9	0.0	15.1	1
13	81	3	-0	-2	0	0	0	1.1	13.9	1.9	0.0	14.9	1
14	81	5	-1	-1	0	0	0	1.9	7.6	0.8	0.0	9.5	1
15	81	3	-0	-0	0	0	0	1.1	4.8	0.5	0.0	5.9	1
16	81	3	-0	-0	0	0	0	1.1	4.9	0.5	0.0	6.0	1
17	81	3	-0	-0	0	0	0	1.1	4.6	0.5	0.0	5.8	1

ASTA NUM. 16 NI 250 NF 252 Lungh. 96.6 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5	1	-0	0	-0	0	1.7	2.0	1.0	0.0	3.7	6	
1E	0	-3	1	-0	0	-0	0	1.2	2.0	1.0	0.0	3.2	6	
1I	0	-4	1	-0	0	-0	0	1.7	1.6	1.1	0.0	3.3	6	
1M	0	-3	1	-0	0	-0	0	1.3	1.6	1.1	0.0	2.9	6	
2	0	-3	1	3	0	-0	0	1.0	17.9	3.2	0.0	18.9	1	
3	0	-2	1	2	0	-0	0	0.6	11.1	2.0	0.0	11.7	1	
4	0	-2	1	2	0	-0	0	0.6	11.0	2.0	0.0	11.6	1	
5	0	-2	1	2	0	-0	0	0.6	11.2	2.0	0.0	11.8	1	
6	0	-4	1	1	0	-0	0	1.7	7.0	1.5	0.0	8.7	1	
7	0	-3	1	0	0	-0	0	1.0	4.3	0.9	0.0	5.3	1	
8	0	-3	1	0	0	-0	0	1.0	4.2	0.9	0.0	5.2	1	
9	0	-3	1	0	0	-0	0	1.1	4.4	0.9	0.0	5.4	1	
10	0	-3	1	3	0	-0	0	1.1	18.2	3.2	0.0	19.2	1	
11	0	-2	1	2	0	-0	0	0.7	11.3	2.0	0.0	11.9	1	
12	0	-2	1	2	0	-0	0	0.6	11.2	2.0	0.0	11.8	1	
13	0	-2	1	2	0	-0	0	0.7	11.3	2.0	0.0	12.0	1	
14	0	-5	1	1	0	-0	0	1.9	7.2	1.6	0.0	9.1	1	
15	0	-3	1	0	0	-0	0	1.0	4.4	0.9	0.0	5.4	1	
16	0	-3	1	0	0	-0	0	1.0	4.3	0.9	0.0	5.3	1	
17	0	-3	1	0	0	-0	0	1.1	4.5	0.9	0.0	5.6	1	
1A	48	-5	-0	-0	0	-0	0	1.7	21.7	0.0	0.0	23.4	6	
1E	48	-3	-0	-0	0	-0	0	1.2	21.7	0.0	0.0	22.9	6	
1I	48	-4	-0	-0	0	-0	0	1.7	21.6	0.0	0.0	23.3	6	
1M	48	-3	-0	-0	0	-0	0	1.3	21.6	0.0	0.0	22.9	6	
2	48	-3	-0	-0	0	-1	0	1.0	91.3	0.0	0.0	92.3	1	
3	48	-2	-0	-0	0	-1	0	0.6	57.0	0.0	0.0	57.7	1	
4	48	-2	-0	-0	0	-1	0	0.6	57.0	0.0	0.0	57.6	1	
5	48	-2	-0	-0	0	-1	0	0.6	57.0	0.0	0.0	57.6	1	
6	48	-4	-0	-0	0	-0	0	1.7	38.2	0.0	0.0	39.9	6	
7	48	-3	-0	-0	0	-0	0	1.0	23.9	0.0	0.0	24.9	6	
8	48	-3	-0	-0	0	-0	0	1.0	23.9	0.0	0.0	24.9	6	
9	48	-3	-0	-0	0	-0	0	1.1	23.9	0.0	0.0	24.9	6	
10	48	-3	-0	-0	0	-1	0	1.1	91.5	0.0	0.0	92.5	1	
11	48	-2	-0	-0	0	-1	0	0.7	57.1	0.0	0.0	57.8	1	
12	48	-2	-0	-0	0	-1	0	0.6	57.1	0.0	0.0	57.8	1	
13	48	-2	-0	-0	0	-1	0	0.7	57.1	0.0	0.0	57.8	1	
14	48	-5	-0	-0	0	-0	0	1.9	40.5	0.0	0.0	42.4	6	
15	48	-3	-0	-0	0	-0	0	1.0	24.0	0.0	0.0	25.0	6	
16	48	-3	-0	0	0	-0	0	1.0	24.0	0.0	0.0	25.0	6	
17	48	-3	-0	-0	0	-0	0	1.1	24.0	0.0	0.0	25.0	6	
1A	97	-5	-1	-0	0	-0	-0	1.7	0.9	1.1	0.0	2.7	5	
1E	97	-3	-1	-0	0	-0	-0	1.2	0.9	1.1	0.0	2.4	5	
1I	97	-4	-1	-0	0	-0	0	1.7	0.3	1.1	0.0	2.6	5	
1M	97	-3	-1	-0	0	-0	0	1.3	0.3	1.1	0.0	2.3	5	
2	97	-3	-1	-3	0	-0	-0	1.0	17.9	3.2	0.0	18.9	1	
3	97	-2	-1	-2	0	-0	0	0.6	10.9	2.0	0.0	11.6	1	
4	97	-2	-1	-2	0	-0	0	0.6	11.0	2.0	0.0	11.6	1	
5	97	-2	-1	-2	0	-0	0	0.6	10.8	2.0	0.0	11.4	1	
6	97	-4	-1	-1	0	-0	0	1.7	5.7	1.5	0.0	7.4	1	
7	97	-3	-1	-0	0	-0	0	1.0	3.6	1.0	0.0	4.7	1	
8	97	-3	-1	-0	0	-0	0	1.0	3.7	1.0	0.0	4.7	1	
9	97	-3	-1	-0	0	-0	0	1.1	3.5	1.0	0.0	4.5	1	
10	97	-3	-1	-3	0	-0	-0	1.1	17.9	3.2	0.0	19.0	1	
11	97	-2	-1	-2	0	-0	0	0.7	11.0	2.0	0.0	11.6	1	
12	97	-2	-1	-2	0	-0	0	0.6	11.1	2.0	0.0	11.7	1	
13	97	-2	-1	-2	0	-0	0	0.7	10.8	2.0	0.0	11.5	1	
14	97	-5	-2	-1	0	-0	0	1.9	5.9	1.6	0.0	7.8	1	
15	97	-3	-1	-0	0	-0	0	1.0	3.8	1.0	0.0	4.8	1	
16	97	-3	-1	-0	0	-0	0	1.0	3.9	1.0	0.0	5.0	1	
17	97	-3	-1	-0	0	-0	0	1.1	3.6	1.0	0.0	4.7	1	

ASTA NUM. 17 NI 250 NF 253 Lungh. 132.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.0170	1.0170 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-8	1	0	0	0	0	3.0	3.2	0.7	0.0	6.2	1	
1E	0	-1	1	0	0	0	0	0.3	3.2	0.7	0.0	3.6	1	
1I	0	-6	1	0	0	0	0	2.1	3.3	0.7	0.0	5.4	1	
1M	0	-3	1	0	0	0	0	1.3	3.3	0.7	0.0	4.6	1	
2	0	-6	1	4	0	0	0	2.4	2.2	4.4	0.0	8.0	4	
3	0	-4	1	3	0	0	0	1.6	1.5	2.7	0.0	5.1	4	
4	0	-4	1	3	0	0	0	1.7	1.7	2.7	0.0	5.1	4	
5	0	-4	1	3	0	0	0	1.4	1.3	2.7	0.0	5.0	4	
6	0	-7	1	1	0	0	0	2.7	4.7	1.1	0.0	7.4	1	
7	0	-5	1	1	0	0	0	1.8	3.1	0.7	0.0	4.9	1	
8	0	-5	1	1	0	0	0	1.9	3.3	0.7	0.0	5.1	1	
9	0	-4	1	1	0	0	0	1.6	2.8	0.7	0.0	4.4	1	
10	0	-5	1	4	0	0	0	2.0	1.8	4.4	0.0	7.8	3	
11	0	-4	1	3	0	0	0	1.3	1.2	2.7	0.0	4.9	4	
12	0	-4	1	3	0	0	0	1.5	1.5	2.7	0.0	5.0	4	
13	0	-3	1	3	0	0	0	1.2	1.0	2.7	0.0	4.9	3	
14	0	-7	1	1	0	0	0	2.5	4.4	1.1	0.0	6.8	1	
15	0	-4	1	1	0	0	0	1.6	2.9	0.7	0.0	4.5	1	
16	0	-5	1	1	0	0	0	1.8	3.1	0.7	0.0	4.9	1	
17	0	-4	1	1	0	0	0	1.4	2.6	0.7	0.0	4.1	1	
1A	66	-7	0	0	0	0	0	2.6	20.8	0.0	0.0	23.4	6	
1E	66	0	0	0	0	0	0	0.1	20.8	0.0	0.0	20.9	6	
1I	66	-4	0	0	0	0	0	1.6	20.6	0.0	0.0	22.2	6	
1M	66	-2	0	0	0	0	0	0.8	20.6	0.0	0.0	21.4	6	
2	66	-5	0	-0	0	-1	0	1.7	122.8	0.1	0.0	124.6	1	
3	66	-3	0	-0	0	-1	0	1.2	76.7	0.0	0.0	77.8	1	
4	66	-3	0	-0	0	-1	0	1.3	76.6	0.0	0.0	77.8	1	

5	66	-3	0	-0	0	-1	0	1.0	76.8	0.0	0.0	77.8	1
6	66	-5	0	-0	0	-0	0	2.0	37.1	0.0	0.0	39.1	6
7	66	-4	0	-0	0	-0	0	1.4	23.2	0.0	0.0	24.6	6
8	66	-4	0	-0	0	-0	0	1.5	23.2	0.0	0.0	24.6	6
9	66	-3	0	-0	0	-0	0	1.2	23.2	0.0	0.0	24.4	6
10	66	-4	0	-0	0	-1	0	1.4	123.2	0.1	0.0	124.6	1
11	66	-3	0	-0	0	-1	0	0.9	76.9	0.0	0.0	77.8	1
12	66	-3	0	-0	0	-1	0	1.1	76.8	0.0	0.0	77.8	1
13	66	-2	0	-0	0	-1	0	0.8	77.0	0.0	0.0	77.8	1
14	66	-5	0	-0	0	-0	0	1.8	39.0	0.0	0.0	40.8	6
15	66	-3	0	-0	0	-0	0	1.2	23.2	0.0	0.0	24.4	6
16	66	-4	0	-0	0	-0	0	1.4	23.2	0.0	0.0	24.6	6
17	66	-3	0	-0	0	-0	0	1.0	23.2	0.0	0.0	24.3	6
1A	133	-6	-1	0	0	0	0	2.1	2.6	0.7	0.0	4.7	1
1E	133	2	-1	0	0	0	0	0.6	2.6	0.7	0.0	3.2	1
1I	133	-3	-1	0	0	0	-0	1.2	2.4	0.7	0.0	3.6	1
1M	133	-1	-1	0	0	0	-0	0.4	2.4	0.7	0.0	2.8	1
2	133	-3	-1	-4	0	0	0	1.1	9.4	4.5	0.0	10.5	1
3	133	-2	-1	-3	0	0	0	0.8	6.0	2.8	0.0	6.7	1
4	133	-2	-1	-3	0	0	0	0.9	6.1	2.8	0.0	6.9	1
5	133	-2	-1	-3	0	0	0	0.6	5.9	2.8	0.0	6.5	1
6	133	-4	-1	-1	0	0	0	1.4	6.5	1.1	0.0	7.9	1
7	133	-3	-1	-1	0	0	0	1.0	4.2	0.7	0.0	5.1	1
8	133	-3	-1	-1	0	0	0	1.1	4.2	0.7	0.0	5.3	1
9	133	-2	-1	-1	0	0	0	0.8	4.0	0.7	0.0	4.8	1
10	133	-2	-1	-4	0	0	0	0.8	8.9	4.5	0.0	9.7	1
11	133	-1	-1	-3	0	0	0	0.6	5.6	2.8	0.0	6.2	1
12	133	-2	-1	-3	0	0	0	0.7	5.8	2.8	0.0	6.5	1
13	133	-1	-1	-3	0	0	0	0.4	5.5	2.8	0.0	6.0	1
14	133	-3	-1	-1	0	0	0	1.1	5.9	1.1	0.0	7.0	1
15	133	-2	-1	-1	0	0	0	0.8	3.8	0.7	0.0	4.6	1
16	133	-3	-1	-1	0	0	0	1.0	3.9	0.7	0.0	4.9	1
17	133	-2	-1	-1	0	0	0	0.7	3.3	0.7	0.0	4.0	1

ASTA NUM. 18 NI 253 NF 251 Lungh. 32.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-3	1	0	0	0	-0	1.0	3.9	0.5	0.0	4.9	6	
1E	0	-0	1	0	0	0	-0	0.0	3.9	0.5	0.0	4.0	6	
1I	0	-2	1	0	0	0	-0	0.7	4.4	0.6	0.0	5.1	6	
1M	0	-1	1	0	0	0	-0	0.3	4.4	0.6	0.0	4.7	6	
2	0	0	1	-1	0	0	-0	0.2	7.5	0.8	0.0	7.7	1	
3	0	0	0	-0	0	0	-0	0.1	4.8	0.5	0.0	4.9	1	
4	0	0	0	-0	0	0	-0	0.2	4.8	0.5	0.0	5.0	1	
5	0	0	0	-0	0	0	-0	0.1	4.7	0.5	0.0	4.8	1	
6	0	-1	1	-0	0	0	-0	0.4	7.4	0.9	0.0	7.8	6	
7	0	-1	1	-0	0	0	-0	0.2	4.7	0.6	0.0	4.8	6	
8	0	-0	1	-0	0	0	-0	0.2	4.7	0.6	0.0	4.8	6	
9	0	-1	1	-0	0	0	-0	0.3	4.6	0.6	0.0	4.9	6	
10	0	0	1	-1	0	0	-0	0.1	7.0	0.8	0.0	7.1	1	
11	0	0	0	-0	0	0	-0	0.1	4.4	0.5	0.0	4.5	1	
12	0	0	0	-0	0	0	-0	0.1	4.5	0.5	0.0	4.7	1	
13	0	0	0	-0	0	0	-0	0.0	4.3	0.5	0.0	4.4	1	
14	0	-2	1	-0	0	0	-0	0.6	6.9	0.9	0.0	7.5	6	
15	0	-1	1	-0	0	0	-0	0.3	4.3	0.5	0.0	4.5	6	
16	0	-1	1	-0	0	0	-0	0.2	4.3	0.5	0.0	4.5	6	
17	0	-1	1	-0	0	0	-0	0.3	4.2	0.5	0.0	4.5	6	
1A	16	-3	0	0	0	0	0	1.0	1.7	0.2	0.0	2.7	6	
1E	16	-0	0	0	0	0	0	0.0	1.7	0.2	0.0	1.7	6	
1I	16	-2	0	0	0	0	0	0.7	2.2	0.2	0.0	3.0	6	
1M	16	-1	0	0	0	0	0	0.3	2.2	0.2	0.0	2.5	6	
2	16	0	0	0	0	0	0	0.2	12.2	0.3	0.0	12.4	1	
3	16	0	0	0	0	0	0	0.1	7.6	0.2	0.0	7.8	1	
4	16	0	0	0	0	0	0	0.2	7.7	0.2	0.0	7.9	1	
5	16	0	0	0	0	0	0	0.1	7.6	0.2	0.0	7.7	1	
6	16	-1	0	0	0	0	0	0.4	5.0	0.4	0.0	5.4	1	
7	16	-1	0	0	0	0	0	0.2	3.2	0.3	0.0	3.3	1	
8	16	-0	0	0	0	0	0	0.2	3.2	0.3	0.0	3.3	1	
9	16	-1	0	0	0	0	0	0.3	3.1	0.3	0.0	3.4	1	
10	16	0	0	0	0	0	0	0.1	12.0	0.3	0.0	12.1	1	
11	16	0	0	0	0	0	0	0.1	7.5	0.2	0.0	7.6	1	
12	16	0	0	0	0	0	0	0.1	7.6	0.2	0.0	7.7	1	
13	16	0	0	0	0	0	0	0.0	7.5	0.2	0.0	7.5	1	
14	16	-2	0	0	0	0	0	0.6	4.8	0.4	0.0	5.4	1	
15	16	-1	0	0	0	0	0	0.3	3.0	0.2	0.0	3.3	1	
16	16	-1	0	0	0	0	0	0.2	3.0	0.2	0.0	3.2	1	
17	16	-1	0	0	0	0	0	0.3	3.0	0.2	0.0	3.3	1	
1A	32	-3	-0	0	0	0	0	1.0	1.2	0.2	0.0	2.1	6	
1E	32	-0	-0	0	0	0	0	0.0	1.2	0.2	0.0	1.2	6	
1I	32	-2	-0	0	0	0	0	0.7	2.6	0.1	0.0	3.4	6	
1M	32	-1	-0	0	0	0	0	0.3	2.6	0.1	0.0	2.9	6	
2	32	0	-0	1	0	-0	0	0.2	5.9	1.3	0.0	6.1	6	
3	32	0	-0	1	0	-0	0	0.1	3.7	0.8	0.0	3.9	6	
4	32	0	-0	1	0	-0	0	0.2	3.7	0.8	0.0	3.9	6	
5	32	0	-0	1	0	-0	0	0.1	3.7	0.8	0.0	3.8	6	
6	32	-1	-0	0	0	0	0	0.4	4.9	0.4	0.0	5.3	6	
7	32	-1	-0	0	0	-0	0	0.2	3.1	0.3	0.0	3.2	6	
8	32	-0	-0	0	0	-0	0	0.2	3.1	0.3	0.0	3.2	6	
9	32	-1	-0	0	0	0	0	0.3	3.1	0.3	0.0	3.3	6	
10	32	0	-0	1	0	-0	0	0.1	5.2	1.3	0.0	5.3	6	
11	32	0	-0	1	0	-0	0	0.1	3.3	0.8	0.0	3.3	6	
12	32	0	-0	1	0	-0	0	0.1	3.3	0.8	0.0	3.4	6	
13	32	0	-0	1	0	-0	0	0.0	3.3	0.8	0.0	3.3	6	
14	32	-2	-0	0	0	0	0	0.6	3.9	0.4	0.0	4.5	6	
15	32	-1	-0	0	0	-0	0	0.3	2.5	0.3	0.0	2.8	6	
16	32	-1	-0	0	0	-0	0	0.2	2.5	0.3	0.0	2.7	6	
17	32	-1	-0	0	0	0	0	0.3	2.6	0.3	0.0	2.9	6	

ASTA NUM. 19 NI 254 NF 253 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8364	1.8364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5356	-1	-1	0	-1	0	612.2	11.2	0.4	0.0	623.4	1	
1E	0	-5336	-1	-1	0	-1	0	609.8	11.2	0.4	0.0	621.0	1	
1I	0	-5350	-1	-0	0	-1	0	611.4	9.7	0.3	0.0	621.1	1	
1M	0	-5342	-1	-0	0	-1	0	610.6	9.7	0.3	0.0	620.3	1	
2	0	-6617	1	-14	0	-4	-0	756.2	47.4	4.6	0.0	803.6	1	
3	0	-4023	1	-9	0	-2	-0	459.8	29.4	2.9	0.0	489.1	1	
4	0	-3853	1	-9	0	-2	-0	440.3	29.0	2.8	0.0	469.3	1	
5	0	-4207	1	-9	0	-2	-0	480.8	29.8	2.9	0.0	510.6	1	
6	0	-9178	-1	-5	0	-2	0	1048.9	25.7	1.5	0.0	1074.6	1	
7	0	-5561	-0	-3	0	-1	0	635.5	15.7	0.9	0.0	651.2	1	
8	0	-5417	-0	-3	0	-1	0	619.1	15.3	0.9	0.0	634.4	1	
9	0	-5839	-0	-3	0	-1	0	667.3	16.4	1.0	0.0	683.7	1	
10	0	-5782	1	-14	0	-4	-0	660.8	46.4	4.6	0.0	707.2	1	
11	0	-3501	1	-9	0	-2	-0	400.1	28.8	2.9	0.0	428.9	1	
12	0	-3281	1	-9	0	-2	-0	375.0	28.3	2.8	0.0	403.3	1	
13	0	-3685	1	-9	0	-2	-0	421.1	29.2	2.9	0.0	450.4	1	
14	0	-7996	-1	-5	0	-2	0	913.8	24.3	1.5	0.0	938.1	1	
15	0	-4822	-0	-3	0	-1	0	551.1	14.6	0.9	0.0	565.7	1	
16	0	-4597	-0	-3	0	-1	0	525.4	14.1	0.9	0.0	539.5	1	
17	0	-5101	-0	-3	0	-1	0	583.0	15.4	0.9	0.0	598.3	1	
1A	30	-5354	-2	-1	0	-1	-0	611.9	7.3	0.5	0.0	619.2	1	
1E	30	-5334	-2	-1	0	-1	-0	609.6	7.3	0.5	0.0	616.8	1	
1I	30	-5348	-1	-0	0	-1	-0	611.2	7.3	0.5	0.0	618.4	1	
1M	30	-5340	-1	-0	0	-1	-0	610.3	7.3	0.5	0.0	617.6	1	
2	30	-6615	0	-10	0	-0	-0	755.9	3.9	3.3	0.0	759.8	6	
3	30	-4022	0	-6	0	-0	-0	459.6	2.5	2.0	0.0	462.1	6	
4	30	-3852	0	-6	0	-0	-0	440.2	2.5	2.0	0.0	442.7	6	
5	30	-4205	0	-6	0	-0	-0	480.6	2.4	2.1	0.0	483.0	6	
6	30	-9175	-1	-4	0	-1	-0	1048.6	11.6	1.2	0.0	1060.1	1	
7	30	-5559	-1	-2	0	-1	-0	635.3	7.1	0.7	0.0	642.4	1	
8	30	-5415	-1	-2	0	-1	-0	618.9	7.0	0.7	0.0	625.8	1	
9	30	-5838	-1	-2	0	-1	-0	667.1	7.4	0.8	0.0	674.5	1	
10	30	-5779	0	-10	0	-0	-0	660.5	3.0	3.3	0.0	663.5	6	
11	30	-3499	0	-6	0	-0	-0	399.9	1.9	2.0	0.0	401.8	6	
12	30	-3280	0	-6	0	-0	-0	374.8	2.0	2.0	0.0	376.8	6	
13	30	-3684	0	-6	0	-0	-0	421.0	1.9	2.0	0.0	422.9	6	
14	30	-7993	-1	-4	0	-1	-0	913.5	10.0	1.2	0.0	923.5	1	
15	30	-4820	-1	-2	0	-0	-0	550.9	6.1	0.7	0.0	557.0	1	
16	30	-4596	-1	-2	0	-0	-0	525.2	5.9	0.7	0.0	531.1	1	
17	30	-5100	-1	-2	0	-0	-0	582.8	6.4	0.7	0.0	589.2	1	
1A	60	-5352	-2	-1	0	-0	-1	611.7	9.2	0.7	0.0	620.9	6	
1E	60	-5332	-2	-1	0	-0	-1	609.3	9.2	0.7	0.0	618.5	6	
1I	60	-5346	-2	-0	0	-0	-1	610.9	9.0	0.7	0.0	619.9	6	
1M	60	-5338	-2	-0	0	-0	-1	610.1	9.0	0.7	0.0	619.1	6	
2	60	-6612	-1	-6	0	2	-0	755.7	28.2	1.9	0.0	783.8	1	
3	60	-4020	-0	-4	0	1	-0	459.4	17.6	1.2	0.0	477.1	1	
4	60	-3850	-0	-4	0	1	-0	440.0	17.7	1.2	0.0	457.7	1	
5	60	-4203	-0	-4	0	1	-0	480.3	17.5	1.2	0.0	497.9	1	
6	60	-9172	-2	-3	0	0	-1	1048.2	9.2	0.9	0.0	1057.4	6	
7	60	-5557	-1	-2	0	0	-0	635.1	6.0	0.5	0.0	641.1	6	
8	60	-5413	-1	-2	0	0	-1	618.6	6.2	0.5	0.0	624.8	6	
9	60	-5836	-1	-2	0	0	-0	667.0	5.6	0.5	0.0	672.6	6	
10	60	-5776	-1	-6	0	2	-0	660.1	28.5	1.9	0.0	688.6	1	
11	60	-3497	-0	-4	0	1	-0	399.7	17.8	1.2	0.0	417.5	1	

12	60	-3278	-0	-4	0	1	-0	374.6	18.0	1.2	0.0	392.6	1
13	60	-3682	-0	-4	0	1	-0	420.8	17.7	1.2	0.0	438.5	1
14	60	-7990	-2	-3	0	0	-1	913.1	9.1	0.8	0.0	922.2	6
15	60	-4818	-1	-2	0	0	-0	550.6	5.7	0.5	0.0	556.4	6
16	60	-4594	-1	-1	0	0	-0	525.0	6.0	0.5	0.0	531.1	6
17	60	-5098	-1	-2	0	0	-0	582.6	5.4	0.5	0.0	588.0	6

ASTA NUM. 20 NI 252 NF 254 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8365	1.8365 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5368	0	1	0	-0	0	613.5	6.1	0.2	0.0	619.6	1	
1E	0	-5346	0	1	0	-0	0	610.9	6.1	0.2	0.0	617.0	1	
1I	0	-5363	1	1	0	-0	0	612.9	4.6	0.3	0.0	617.6	1	
1M	0	-5351	1	1	0	-0	0	611.5	4.6	0.3	0.0	616.2	1	
2	0	-6693	-1	6	0	2	0	764.9	25.8	1.8	0.0	790.7	1	
3	0	-4070	-0	3	0	1	0	465.1	16.3	1.1	0.0	481.4	1	
4	0	-3900	-0	3	0	1	0	445.7	16.5	1.1	0.0	462.2	1	
5	0	-4254	-0	3	0	1	0	486.2	16.2	1.1	0.0	502.4	1	
6	0	-9209	1	2	0	-0	0	1052.5	3.7	0.7	0.0	1056.1	6	
7	0	-5580	0	1	0	-0	0	637.7	2.2	0.4	0.0	639.9	6	
8	0	-5436	0	1	0	-0	0	621.3	2.1	0.4	0.0	623.4	6	
9	0	-5859	0	1	0	-0	0	669.6	2.3	0.4	0.0	671.9	6	
10	0	-5857	-0	5	0	2	0	669.4	25.2	1.7	0.0	694.6	1	
11	0	-3548	-0	3	0	1	0	405.5	15.9	1.1	0.0	421.4	1	
12	0	-3328	-0	3	0	1	0	380.3	16.1	1.1	0.0	396.5	1	
13	0	-3732	-0	3	0	1	0	426.5	15.8	1.1	0.0	442.3	1	
14	0	-8028	1	2	0	-0	0	917.5	3.7	0.6	0.0	921.1	1	
15	0	-4841	0	1	0	-0	0	553.3	2.1	0.3	0.0	555.3	6	
16	0	-4616	0	1	0	-0	0	527.5	2.0	0.3	0.0	529.5	6	
17	0	-5120	0	1	0	-0	0	585.1	2.3	0.4	0.0	587.4	1	
1A	30	-5366	-0	1	0	-1	0	613.3	8.5	0.2	0.0	621.8	1	
1E	30	-5344	-0	1	0	-1	0	610.7	8.5	0.2	0.0	619.2	1	
1I	30	-5361	-0	1	0	-1	0	612.7	8.5	0.3	0.0	621.2	1	
1M	30	-5349	-0	1	0	-1	0	611.3	8.5	0.3	0.0	619.8	1	
2	30	-6690	-1	10	0	-0	0	764.6	3.6	3.1	0.0	768.2	1	
3	30	-4069	-1	6	0	-0	0	465.0	2.1	2.0	0.0	467.0	1	
4	30	-3899	-1	6	0	-0	0	445.5	1.8	1.9	0.0	447.3	1	
5	30	-4252	-1	6	0	-0	0	485.9	2.4	2.0	0.0	488.3	1	
6	30	-9206	-0	3	0	-1	0	1052.1	12.8	1.0	0.0	1064.9	1	
7	30	-5579	-0	2	0	-1	0	637.5	7.7	0.6	0.0	645.2	1	
8	30	-5434	-0	2	0	-1	0	621.0	7.4	0.6	0.0	628.4	1	
9	30	-5857	-0	2	0	-1	0	669.4	8.1	0.6	0.0	677.5	1	
10	30	-5855	-1	9	0	-0	0	669.1	3.4	3.1	0.0	672.5	1	
11	30	-3547	-1	6	0	-0	0	405.3	1.9	1.9	0.0	407.3	1	
12	30	-3327	-1	6	0	-0	0	380.2	1.6	1.9	0.0	381.7	1	
13	30	-3731	-1	6	0	-0	0	426.3	2.2	1.9	0.0	428.6	1	
14	30	-8025	-0	3	0	-1	0	917.1	12.1	0.9	0.0	929.3	1	
15	30	-4839	-0	2	0	-1	0	553.0	7.2	0.6	0.0	560.2	1	
16	30	-4614	-0	2	0	-1	0	527.3	6.8	0.5	0.0	534.1	1	
17	30	-5119	-0	2	0	-1	0	585.0	7.6	0.6	0.0	592.6	1	
1A	60	-5364	-1	1	0	-1	0	613.1	10.1	0.3	0.0	623.2	1	
1E	60	-5342	-1	1	0	-1	0	610.5	10.1	0.3	0.0	620.6	1	
1I	60	-5359	-1	1	0	-1	0	612.5	11.7	0.3	0.0	624.2	1	
1M	60	-5347	-1	1	0	-1	0	611.1	11.7	0.3	0.0	622.7	1	
2	60	-6687	-2	14	0	-4	-0	764.2	46.7	4.5	0.0	810.9	1	
3	60	-4067	-1	9	0	-2	-0	464.8	29.0	2.8	0.0	493.8	1	
4	60	-3897	-1	8	0	-2	-0	445.4	28.6	2.8	0.0	474.0	1	
5	60	-4250	-1	9	0	-2	-0	485.7	29.4	2.8	0.0	515.1	1	
6	60	-9203	-1	4	0	-2	0	1051.8	24.8	1.3	0.0	1076.5	1	
7	60	-5577	-1	3	0	-1	0	637.4	15.1	0.8	0.0	652.5	1	
8	60	-5432	-1	3	0	-1	0	620.8	14.7	0.8	0.0	635.5	1	
9	60	-5855	-1	3	0	-1	0	669.1	15.8	0.8	0.0	684.9	1	
10	60	-5852	-2	13	0	-4	-0	668.8	45.6	4.4	0.0	714.4	1	
11	60	-3545	-1	8	0	-2	-0	405.1	28.3	2.7	0.0	433.4	1	
12	60	-3325	-1	8	0	-2	-0	380.0	27.8	2.7	0.0	407.8	1	
13	60	-3729	-1	8	0	-2	-0	426.2	28.7	2.8	0.0	454.9	1	
14	60	-8022	-1	4	0	-2	0	916.8	23.1	1.2	0.0	939.9	1	
15	60	-4837	-1	2	0	-1	0	552.8	13.9	0.8	0.0	566.7	1	
16	60	-4612	-1	2	0	-1	0	527.1	13.4	0.7	0.0	540.5	1	
17	60	-5117	-1	2	0	-1	0	584.8	14.6	0.8	0.0	599.4	1	

ASTA NUM. 21 NI 147 NF 254 Lungh. 123.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1520	0.5380	--	--	1.4488	4.1388 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	4	1	-0	0	-0	-0	1.4	5.4	1.0	0.0	6.8	6	
1E	0	6	1	-0	0	-0	-0	2.2	5.4	1.0	0.0	7.6	6	
1I	0	1	1	-0	0	-0	-0	0.5	5.5	1.0	0.0	5.9	6	
1M	0	8	1	-0	0	-0	-0	3.1	5.5	1.0	0.0	8.6	6	
2	0	81	3	-1	0	-0	-0	30.3	9.2	3.5	0.0	39.5	6	
3	0	51	2	-1	0	-0	-0	18.9	5.4	2.2	0.0	24.3	6	
4	0	50	2	-1	0	-0	-0	18.9	5.4	2.2	0.0	24.2	6	
5	0	51	2	-1	0	-0	-0	19.0	5.4	2.2	0.0	24.4	6	
6	0	26	2	-0	0	-0	-0	9.7	9.8	1.9	0.0	19.6	6	
7	0	16	1	-0	0	-0	-0	6.1	5.7	1.2	0.0	11.7	6	
8	0	16	1	-0	0	-0	-0	6.0	5.8	1.2	0.0	11.8	6	
9	0	16	1	-0	0	-0	-0	6.2	5.9	1.2	0.0	12.0	6	
10	0	81	3	-1	0	-0	-0	30.2	9.2	3.5	0.0	39.4	6	
11	0	50	2	-1	0	-0	-0	18.8	5.4	2.2	0.0	24.3	6	
12	0	50	2	-1	0	-0	-0	18.8	5.4	2.2	0.0	24.1	6	
13	0	51	2	-1	0	-0	-0	18.9	5.4	2.2	0.0	24.4	6	
14	0	26	2	-0	0	-0	-0	9.6	9.6	2.0	0.0	19.2	6	
15	0	16	1	-0	0	-0	-0	5.9	5.5	1.2	0.0	11.4	6	
16	0	15	1	-0	0	-0	-0	5.8	5.6	1.2	0.0	11.4	6	
17	0	16	1	-0	0	-0	-0	6.0	5.7	1.2	0.0	11.7	6	
1A	62	5	0	-0	0	-0	0	1.7	20.2	0.0	0.0	21.9	6	
1E	62	7	0	-0	0	-0	0	2.5	20.2	0.0	0.0	22.7	6	
1I	62	2	0	-0	0	-0	0	0.8	20.2	0.0	0.0	21.0	6	
1M	62	9	0	-0	0	-0	0	3.5	20.2	0.0	0.0	23.7	6	
2	62	80	0	-0	0	0	1	30.1	90.1	0.0	0.0	120.2	6	
3	62	50	0	-0	0	0	1	18.8	56.5	0.0	0.0	75.3	6	
4	62	50	0	-0	0	0	1	18.7	56.6	0.0	0.0	75.3	6	
5	62	50	0	-0	0	0	1	18.9	56.4	0.0	0.0	75.3	6	
6	62	27	0	-0	0	0	0	10.0	40.7	0.0	0.0	50.8	6	
7	62	17	0	-0	0	0	0	6.2	25.7	0.0	0.0	32.0	6	
8	62	16	0	-0	0	0	0	6.2	25.7	0.0	0.0	31.9	6	
9	62	17	0	-0	0	0	0	6.4	25.6	0.0	0.0	31.9	6	
10	62	80	0	-0	0	0	1	30.0	89.9	0.0	0.0	119.8	6	
11	62	50	0	-0	0	0	1	18.7	56.4	0.0	0.0	75.1	6	
12	62	50	0	-0	0	0	1	18.6	56.5	0.0	0.0	75.1	6	
13	62	50	0	-0	0	0	1	18.8	56.3	0.0	0.0	75.1	6	
14	62	27	0	-0	0	0	0	9.9	42.9	0.0	0.0	52.9	6	
15	62	16	0	-0	0	0	0	6.1	25.7	0.0	0.0	31.8	6	
16	62	16	0	-0	0	0	0	6.0	25.7	0.0	0.0	31.7	6	
17	62	17	0	-0	0	0	0	6.2	25.5	0.0	0.0	31.7	6	
1A	123	6	-1	-0	0	-0	-0	2.1	3.7	0.9	0.0	5.8	6	
1E	123	8	-1	-0	0	-0	-0	2.9	3.7	0.9	0.0	6.6	6	
1I	123	3	-1	-0	0	-0	-0	1.2	3.7	0.9	0.0	4.8	6	
1M	123	10	-1	-0	0	-0	-0	3.8	3.7	0.9	0.0	7.5	6	
2	123	80	-3	1	0	-0	-0	29.9	4.7	3.4	0.0	34.5	6	
3	123	50	-2	1	0	-0	-0	18.6	2.8	2.1	0.0	21.5	6	
4	123	50	-2	1	0	-0	-0	18.6	2.7	2.1	0.0	21.3	6	
5	123	50	-2	1	0	-0	-0	18.7	3.0	2.1	0.0	21.7	6	
6	123	28	-2	0	0	-0	-0	10.4	6.1	1.8	0.0	16.5	6	
7	123	17	-1	0	0	-0	-0	6.4	3.7	1.1	0.0	10.1	6	
8	123	17	-1	0	0	-0	-0	6.4	3.6	1.1	0.0	10.0	6	
9	123	17	-1	0	0	-0	-0	6.6	3.9	1.1	0.0	10.4	6	
10	123	79	-3	1	0	-0	-0	29.7	5.0	3.4	0.0	34.8	6	
11	123	50	-2	1	0	-0	-0	18.6	3.1	2.1	0.0	21.6	6	
12	123	49	-2	1	0	-0	-0	18.5	2.9	2.1	0.0	21.4	6	
13	123	50	-2	1	0	-0	-0	18.6	3.2	2.1	0.0	21.8	6	
14	123	27	-2	0	0	-0	-0	10.3	6.5	1.9	0.0	16.8	6	
15	123	17	-1	0	0	-0	-0	6.3	3.9	1.1	0.0	10.2	6	
16	123	17	-1	0	0	-0	-0	6.2	3.8	1.1	0.0	10.0	6	
17	123	17	-1	0	0	-0	-0	6.4	4.1	1.1	0.0	10.5	6	

ASTA NUM. 22 NI 254 NF 255 Lungh. 41.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4174	-0.1044	--	--	1.9894	1.4677 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3	0	0	0	0	-0	1.1	1.4	0.5	0.0	2.5	6	
1E	0	-2	0	0	0	0	-0	0.9	1.4	0.5	0.0	2.3	6	
1I	0	-3	0	0	0	0	-0	1.2	1.3	0.5	0.0	2.5	6	
1M	0	-2	0	0	0	0	-0	0.7	1.3	0.5	0.0	2.0	6	
2	0	-21	0	-0	0	0	0	8.0	0.6	0.2	0.0	8.6	1	
3	0	-13	0	-0	0	0	0	5.0	0.3	0.1	0.0	5.3	1	
4	0	-13	0	-0	0	0	0	5.0	0.1	0.1	0.0	5.1	1	
5	0	-13	0	-0	0	0	0	5.0	0.5	0.1	0.0	5.5	1	
6	0	-8	1	0	0	0	-0	3.1	2.2	0.6	0.0	5.3	6	
7	0	-5	0	0	0	0	-0	1.9	1.2	0.4	0.0	3.1	6	

8	0	-5	0	0	0	0	-0	1.9	1.1	0.4	0.0	3.0	6
9	0	-5	0	0	0	0	-0	1.9	1.4	0.4	0.0	3.3	6
10	0	-21	0	-0	0	0	0	8.0	1.1	0.2	0.0	9.1	1
11	0	-13	0	-0	0	0	0	5.0	0.5	0.1	0.0	5.5	1
12	0	-13	0	-0	0	0	0	5.0	0.3	0.1	0.0	5.3	1
13	0	-13	0	-0	0	0	0	5.0	0.7	0.1	0.0	5.8	1
14	0	-8	1	0	0	0	-0	3.1	3.4	0.7	0.0	6.5	6
15	0	-5	0	0	0	0	-0	1.9	2.0	0.4	0.0	3.9	6
16	0	-5	0	0	0	0	-0	1.9	1.8	0.4	0.0	3.7	6
17	0	-5	0	0	0	0	-0	1.9	2.1	0.4	0.0	4.0	6
1A	21	-3	0	0	0	0	0	1.0	3.7	0.1	0.0	4.7	6
1E	21	-2	0	0	0	0	0	0.8	3.7	0.1	0.0	4.5	6
1I	21	-3	0	0	0	0	0	1.2	3.6	0.1	0.0	4.8	6
1M	21	-2	0	0	0	0	0	0.7	3.6	0.1	0.0	4.3	6
2	21	-21	-0	-0	0	0	-0	7.8	2.2	0.3	0.0	10.0	1
3	21	-13	-0	-0	0	0	-0	4.9	1.4	0.2	0.0	6.2	1
4	21	-13	-0	-0	0	0	-0	4.8	1.3	0.2	0.0	6.2	1
5	21	-13	-0	-0	0	0	-0	4.9	1.4	0.2	0.0	6.3	1
6	21	-8	0	0	0	0	0	2.9	4.1	0.0	0.0	7.0	6
7	21	-5	0	0	0	0	0	1.8	2.4	0.0	0.0	4.3	6
8	21	-5	0	0	0	0	0	1.8	2.4	0.0	0.0	4.2	6
9	21	-5	0	0	0	0	0	1.9	2.5	0.0	0.0	4.4	6
10	21	-21	-0	-0	0	0	-0	7.8	2.6	0.3	0.0	10.4	1
11	21	-13	-0	-0	0	0	-0	4.9	1.6	0.2	0.0	6.5	1
12	21	-13	-0	-0	0	0	-0	4.9	1.6	0.2	0.0	6.4	6
13	21	-13	-0	-0	0	0	-0	4.9	1.7	0.2	0.0	6.6	1
14	21	-8	0	0	0	0	0	3.0	3.7	0.1	0.0	6.8	6
15	21	-5	0	0	0	0	0	1.8	2.1	0.0	0.0	3.9	6
16	21	-5	0	0	0	0	0	1.8	2.0	0.0	0.0	3.8	6
17	21	-5	0	0	0	0	0	1.9	2.2	0.0	0.0	4.0	6
1A	41	-3	-0	0	0	-0	0	1.0	1.3	0.4	0.0	2.3	6
1E	41	-2	-0	0	0	-0	0	0.8	1.3	0.4	0.0	2.1	6
1I	41	-3	-0	0	0	-0	0	1.1	1.0	0.4	0.0	2.2	6
1M	41	-2	-0	0	0	-0	0	0.6	1.0	0.4	0.0	1.7	6
2	41	-20	-1	-0	0	0	-0	7.6	11.5	0.8	0.0	19.1	6
3	41	-13	-0	-0	0	0	-0	4.7	7.4	0.5	0.0	12.1	6
4	41	-13	-0	-0	0	0	-0	4.7	7.5	0.5	0.0	12.2	6
5	41	-13	-0	-0	0	0	-0	4.7	7.3	0.5	0.0	12.0	6
6	41	-8	-0	0	0	0	-0	2.8	0.2	0.5	0.0	3.0	4
7	41	-5	-0	0	0	0	-0	1.8	0.4	0.3	0.0	2.2	6
8	41	-5	-0	0	0	0	-0	1.8	0.4	0.3	0.0	2.2	6
9	41	-5	-0	0	0	0	-0	1.8	0.2	0.3	0.0	2.0	6
10	41	-20	-1	-0	0	0	-0	7.6	11.7	0.8	0.0	19.3	6
11	41	-13	-0	-0	0	0	-0	4.7	7.5	0.5	0.0	12.2	6
12	41	-13	-0	-0	0	0	-0	4.7	7.6	0.5	0.0	12.4	6
13	41	-13	-0	-0	0	0	-0	4.7	7.4	0.5	0.0	12.2	6
14	41	-8	-1	0	0	0	-0	2.9	0.8	0.6	0.0	3.7	6
15	41	-5	-0	0	0	0	-0	1.8	0.7	0.3	0.0	2.5	6
16	41	-5	-0	0	0	0	-0	1.8	0.8	0.3	0.0	2.5	6
17	41	-5	-0	0	0	0	-0	1.8	0.5	0.3	0.0	2.3	6

ASTA NUM. 23 NI 256 NF 251 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8364	1.8364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6079	-0	1	0	1	1	694.8	13.7	0.3	0.0	708.4	1	
1E	0	-6065	-0	1	0	1	1	693.1	13.7	0.3	0.0	706.8	1	
1I	0	-6075	-0	1	0	1	0	694.2	14.5	0.4	0.0	708.7	1	
1M	0	-6069	-0	1	0	1	0	693.6	14.5	0.4	0.0	708.1	1	
2	0	-7938	2	13	0	4	-0	907.2	48.2	4.2	0.0	955.4	1	
3	0	-5074	1	8	0	3	-0	579.9	30.4	2.6	0.0	610.3	1	
4	0	-5243	1	8	0	3	-0	599.2	30.8	2.7	0.0	630.0	1	
5	0	-4890	1	8	0	2	-0	558.9	30.0	2.6	0.0	588.9	1	
6	0	-10390	1	4	0	2	0	1187.4	28.0	1.4	0.0	1215.4	1	
7	0	-6668	1	3	0	1	0	762.1	18.0	0.9	0.0	780.0	1	
8	0	-6812	1	3	0	1	0	778.5	18.3	0.9	0.0	796.8	1	
9	0	-6390	1	3	0	1	0	730.3	17.3	0.9	0.0	747.5	1	
10	0	-6751	2	13	0	4	-0	771.5	46.5	4.1	0.0	818.0	1	
11	0	-4332	1	8	0	2	-0	495.1	29.3	2.6	0.0	524.4	1	
12	0	-4551	1	8	0	2	-0	520.1	29.8	2.6	0.0	550.0	1	
13	0	-4148	1	8	0	2	-0	474.1	28.9	2.6	0.0	503.0	1	
14	0	-9208	1	4	0	2	0	1052.3	26.2	1.4	0.0	1078.6	1	
15	0	-5929	1	3	0	1	0	677.6	16.8	0.9	0.0	694.4	1	
16	0	-6153	1	3	0	1	0	703.2	17.3	0.9	0.0	720.5	1	
17	0	-5650	1	3	0	1	0	645.7	16.1	0.8	0.0	661.8	1	
1A	30	-6077	-1	1	0	1	0	694.5	9.6	0.3	0.0	704.1	1	
1E	30	-6063	-1	1	0	1	0	692.9	9.6	0.3	0.0	702.5	1	
1I	30	-6073	-1	1	0	1	0	694.0	9.7	0.4	0.0	703.7	1	
1M	30	-6067	-1	1	0	1	0	693.4	9.7	0.4	0.0	703.1	1	
2	30	-7935	1	9	0	1	0	906.9	10.3	2.9	0.0	917.1	1	
3	30	-5072	1	6	0	0	0	579.7	6.6	1.8	0.0	586.3	1	
4	30	-5242	1	6	0	0	0	599.0	6.9	1.8	0.0	605.9	1	
5	30	-4889	1	5	0	0	0	558.7	6.3	1.8	0.0	565.0	1	
6	30	-10385	0	3	0	1	1	1186.9	15.1	1.1	0.0	1202.0	1	
7	30	-6666	0	2	0	1	0	761.8	9.8	0.7	0.0	771.6	1	
8	30	-6810	0	2	0	1	0	778.3	10.0	0.7	0.0	788.3	1	
9	30	-6388	0	2	0	1	0	730.1	9.3	0.7	0.0	739.4	1	
10	30	-6748	1	9	0	1	0	771.2	8.9	2.8	0.0	780.1	1	
11	30	-4330	1	5	0	0	0	494.9	5.7	1.8	0.0	500.6	1	
12	30	-4549	1	5	0	0	0	519.9	6.1	1.8	0.0	526.0	1	
13	30	-4146	1	5	0	0	0	473.8	5.5	1.8	0.0	479.3	1	
14	30	-9205	-0	3	0	1	1	1052.0	13.7	1.0	0.0	1065.7	1	
15	30	-5928	0	2	0	1	0	677.4	8.8	0.7	0.0	686.2	1	
16	30	-6152	0	2	0	1	0	703.0	9.2	0.7	0.0	712.2	1	
17	30	-5649	0	2	0	1	0	645.5	8.4	0.6	0.0	653.9	1	
1A	60	-6075	-1	1	0	0	0	694.3	4.8	0.4	0.0	699.1	1	
1E	60	-6061	-1	1	0	0	0	692.7	4.8	0.4	0.0	697.4	1	
1I	60	-6071	-1	1	0	0	0	693.8	4.3	0.4	0.0	698.0	1	
1M	60	-6065	-1	1	0	0	0	693.2	4.3	0.4	0.0	697.4	1	
2	60	-7932	1	5	0	-1	1	906.5	18.6	1.5	0.0	925.1	1	
3	60	-5070	0	3	0	-1	0	579.4	11.6	1.0	0.0	591.1	1	
4	60	-5240	0	3	0	-1	0	598.9	11.7	1.0	0.0	610.5	1	
5	60	-4887	0	3	0	-1	0	558.5	11.5	1.0	0.0	570.1	1	
6	60	-10380	-1	2	0	0	1	1186.3	7.1	0.7	0.0	1193.4	6	
7	60	-6664	-0	1	0	0	0	761.6	4.7	0.5	0.0	766.3	6	
8	60	-6808	-0	2	0	0	0	778.1	4.9	0.5	0.0	782.9	6	
9	60	-6386	-0	1	0	0	0	729.8	4.3	0.4	0.0	734.1	6	
10	60	-6745	0	5	0	-1	1	770.9	18.8	1.5	0.0	789.6	1	
11	60	-4328	0	3	0	-1	0	494.6	11.8	0.9	0.0	506.4	1	
12	60	-4547	0	3	0	-1	0	519.7	11.8	1.0	0.0	531.5	1	
13	60	-4144	0	3	0	-1	0	473.6	11.7	0.9	0.0	485.3	1	
14	60	-9202	-1	2	0	0	0	1051.7	5.7	0.7	0.0	1057.3	6	
15	60	-5926	-0	1	0	0	0	677.3	3.9	0.4	0.0	681.2	6	
16	60	-6150	-0	1	0	0	0	702.9	4.2	0.5	0.0	707.1	6	
17	60	-5647	-0	1	0	0	0	645.4	3.5	0.4	0.0	648.9	6	

ASTA NUM. 24 NI 250 NF 256 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8365	1.8365 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-6091	1	-0	0	1	-0	696.1	7.4	0.4	0.0	703.6	1	
1E	0	-6075	1	-0	0	1	-0	694.3	7.4	0.4	0.0	701.7	1	
1I	0	-6088	1	0	0	1	-0	695.8	9.2	0.5	0.0	705.1	1	
1M	0	-6078	1	0	0	1	-0	694.6	9.2	0.5	0.0	703.8	1	
2	0	-8014	1	-8	0	-3	0	915.9	35.3	2.5	0.0	951.2	1	
3	0	-5121	0	-5	0	-2	0	585.3	22.1	1.5	0.0	607.3	1	
4	0	-5291	0	-5	0	-2	0	604.7	22.0	1.6	0.0	626.7	1	
5	0	-4938	0	-5	0	-2	0	564.3	22.2	1.5	0.0	586.6	1	
6	0	-10420	2	-3	0	-0	-0	1190.9	4.1	0.8	0.0	1195.0	6	
7	0	-6687	1	-2	0	-0	-0	764.2	2.6	0.5	0.0	766.8	6	
8	0	-6831	1	-2	0	-0	-0	780.7	2.5	0.6	0.0	783.2	6	
9	0	-6409	1	-2	0	-0	-0	732.5	2.6	0.5	0.0	735.1	6	
10	0	-6826	0	-7	0	-3	0	780.1	35.3	2.4	0.0	815.4	1	
11	0	-4379	0	-5	0	-2	0	500.5	22.0	1.5	0.0	522.5	1	
12	0	-4598	0	-5	0	-2	0	525.5	21.9	1.5	0.0	547.4	1	
13	0	-4195	0	-5	0	-2	0	479.4	22.2	1.5	0.0	501.6	1	
14	0	-9239	2	-2	0	-0	-0	1055.9	3.7	0.7	0.0	1059.6	6	
15	0	-5948	1	-1	0	-0	-0	679.8	2.2	0.5	0.0	682.0	6	
16	0	-6173	1	-2	0	-0	-0	705.5	2.1	0.5	0.0	707.6	6	
17	0	-5669	1	-1	0	-0	-0	647.9	2.3	0.5	0.0	650.2	6	
1A	30	-6089	1	-0	0	1	0	695.9	8.3	0.2	0.0	704.2	1	
1E	30	-6073	1	-0	0	1	0	694.0	8.3	0.2	0.0	702.4	1	
1I	30	-6086	1	0	0	1	0	695.6	8.6	0.3	0.0	704.2	1	
1M	30	-6076	1	0	0	1	0	694.4	8.6	0.3	0.0	702.9	1	
2	30	-8011	-0	-12	0	-0	0	915.5	1.1	3.8	0.0	916.6	1	
3	30	-5120	-0	-7	0	-0	0	585.1	0.5	2.4	0.0	585.6	1	
4	30	-5289	-0	-7	0	-0	0	604.5	0.4	2.4	0.0	604.9	6	
5	30	-4936	-0	-7	0	-0	0	564.1	0.8	2.4	0.0	564.9	1	
6	30	-10415	1	-4	0	1	0	1190.3	11.2	1.2	0.0	1201.5	1	
7	30	-6686	1	-2	0	1	0	764.1	7.3	0.8	0.0	771.3	1	
8	30	-6830	1	-2	0	1	0	780.5	7.5	0.8	0.0	788.0	1	
9	30	-6408	1	-2	0	1	0	732.3	6.8	0.7	0.0	739.1	1	
10	30	-6824	-0	-11	0	-0	0	779.8	2.0	3.7	0.0	781.8	1	
11	30	-4377	-0	-7	0	-0	0	500.2	1.1	2.3	0.0	501.3	1	
12	30	-4597	-0	-7	0	-0	0	525.3	0.8	2.3	0.0	526.1	1	
13	30	-4193	-0	-7	0	-0	0	479.2	1.4	2.3	0.0	480.6	1	
14	30	-9236	1	-3	0	1	0	1055.5	10.5	1.1	0.0	1066.1	1	

15	30	-5947	1	-2	0	1	0	679.6	6.8	0.7	0.0	686.4	1
16	30	-6171	1	-2	0	1	0	705.3	7.1	0.7	0.0	712.4	1
17	30	-5667	1	-2	0	0	0	647.7	6.3	0.7	0.0	654.0	1
1A	60	-6087	0	-0	0	1	0	695.7	10.0	0.1	0.0	705.7	1
1E	60	-6071	0	-0	0	1	0	693.8	10.0	0.1	0.0	703.8	1
1I	60	-6084	0	0	0	1	0	695.4	9.1	0.1	0.0	704.5	1
1M	60	-6074	0	0	0	1	0	694.1	9.1	0.1	0.0	703.3	1
2	60	-8008	-1	-16	0	4	-0	915.2	48.8	5.1	0.0	964.0	1
3	60	-5118	-1	-10	0	3	-0	584.9	30.8	3.2	0.0	615.7	1
4	60	-5287	-1	-10	0	3	-0	604.2	31.2	3.2	0.0	635.4	1
5	60	-4934	-1	-10	0	3	-0	563.9	30.4	3.2	0.0	594.3	1
6	60	-10410	0	-5	0	2	0	1189.7	27.1	1.5	0.0	1216.9	1
7	60	-6684	0	-3	0	1	0	763.9	17.4	1.0	0.0	781.3	1
8	60	-6828	0	-3	0	1	0	780.3	17.8	1.0	0.0	798.2	1
9	60	-6406	0	-3	0	1	0	732.1	16.8	0.9	0.0	748.9	1
10	60	-6821	-1	-15	0	4	-0	779.5	47.0	5.0	0.0	826.5	1
11	60	-4375	-1	-10	0	2	-0	500.0	29.6	3.2	0.0	529.6	1
12	60	-4595	-1	-10	0	2	-0	525.1	30.1	3.2	0.0	555.2	1
13	60	-4191	-1	-10	0	2	-0	479.0	29.2	3.1	0.0	508.2	1
14	60	-9233	0	-4	0	2	0	1055.2	25.2	1.4	0.0	1080.4	1
15	60	-5945	0	-3	0	1	0	679.4	16.1	0.9	0.0	695.6	1
16	60	-6169	0	-3	0	1	0	705.0	16.7	0.9	0.0	721.7	1
17	60	-5665	0	-3	0	1	0	647.4	15.4	0.9	0.0	662.9	1

ASTA NUM. 25 NI 146 NF 256 Lungh. 123.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	2.1520	0.5380	--	--	1.4488	4.1388 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	4	1	0	0	0	-0	1.3	5.8	1.0	0.0	7.1	6	
1E	0	6	1	0	0	0	-0	2.1	5.8	1.0	0.0	7.9	6	
1I	0	1	1	0	0	0	-0	0.4	5.7	1.0	0.0	6.1	6	
1M	0	8	1	0	0	0	-0	3.1	5.7	1.0	0.0	8.8	6	
2	0	81	3	1	0	0	-0	30.4	9.7	3.5	0.0	40.2	6	
3	0	51	2	1	0	0	-0	19.1	5.9	2.2	0.0	25.0	6	
4	0	51	2	1	0	0	-0	19.2	5.7	2.2	0.0	24.9	6	
5	0	51	2	1	0	0	-0	19.0	5.8	2.2	0.0	24.8	6	
6	0	26	2	0	0	0	-0	9.6	10.2	1.9	0.0	19.9	6	
7	0	16	1	0	0	0	-0	6.1	6.2	1.2	0.0	12.3	6	
8	0	17	1	0	0	0	-0	6.2	6.0	1.2	0.0	12.2	6	
9	0	16	1	0	0	0	-0	6.0	6.2	1.2	0.0	12.2	6	
10	0	80	3	1	0	0	-0	30.1	9.8	3.5	0.0	39.9	6	
11	0	50	2	1	0	0	-0	18.9	6.0	2.2	0.0	24.8	6	
12	0	51	2	1	0	0	-0	19.0	5.8	2.2	0.0	24.8	6	
13	0	50	2	1	0	0	-0	18.8	5.9	2.2	0.0	24.7	6	
14	0	25	2	0	0	0	-0	9.4	10.0	2.0	0.0	19.5	6	
15	0	16	1	0	0	0	-0	5.9	6.1	1.2	0.0	12.0	6	
16	0	16	1	0	0	0	-0	6.0	5.9	1.2	0.0	12.0	6	
17	0	16	1	0	0	0	-0	5.8	6.0	1.2	0.0	11.8	6	
1A	62	4	0	0	0	0	0	1.7	19.8	0.0	0.0	21.5	6	
1E	62	7	0	0	0	0	0	2.5	19.8	0.0	0.0	22.3	6	
1I	62	2	0	0	0	0	0	0.7	19.8	0.0	0.0	20.5	6	
1M	62	9	0	0	0	0	0	3.4	19.8	0.0	0.0	23.2	6	
2	62	81	0	0	0	-0	1	30.2	91.0	0.1	0.0	121.2	6	
3	62	51	0	0	0	-0	1	18.9	56.9	0.0	0.0	75.8	6	
4	62	51	0	0	0	-0	1	19.0	57.0	0.0	0.0	76.0	6	
5	62	50	0	0	0	-0	1	18.9	57.0	0.0	0.0	75.9	6	
6	62	27	0	0	0	-0	0	9.9	40.8	0.0	0.0	50.7	6	
7	62	17	0	0	0	-0	0	6.3	25.5	0.0	0.0	31.8	6	
8	62	17	0	0	0	-0	0	6.4	25.6	0.0	0.0	32.0	6	
9	62	17	0	0	0	-0	0	6.2	25.6	0.0	0.0	31.8	6	
10	62	80	0	0	0	-0	1	29.9	90.9	0.1	0.0	120.8	6	
11	62	50	0	0	0	-0	1	18.7	56.9	0.0	0.0	75.6	6	
12	62	50	0	0	0	-0	1	18.9	56.9	0.0	0.0	75.7	6	
13	62	50	0	0	0	-0	1	18.7	57.0	0.0	0.0	75.7	6	
14	62	26	0	0	0	-0	0	9.8	43.0	0.0	0.0	52.8	6	
15	62	16	0	0	0	-0	0	6.1	25.5	0.0	0.0	31.6	6	
16	62	17	0	0	0	-0	0	6.2	25.5	0.0	0.0	31.7	6	
17	62	16	0	0	0	-0	0	6.0	25.6	0.0	0.0	31.6	6	
1A	123	5	-1	0	0	0	-0	2.0	3.7	0.9	0.0	5.7	6	
1E	123	8	-1	0	0	0	-0	2.8	3.7	0.9	0.0	6.5	6	
1I	123	3	-1	0	0	0	-0	1.1	3.8	0.9	0.0	4.9	6	
1M	123	10	-1	0	0	0	-0	3.8	3.8	0.9	0.0	7.6	6	
2	123	80	-3	-1	0	0	-0	30.0	2.3	3.4	0.0	32.3	6	
3	123	50	-2	-1	0	0	-0	18.8	1.5	2.1	0.0	20.3	6	
4	123	50	-2	-1	0	-0	-0	18.9	1.6	2.1	0.0	20.5	6	
5	123	50	-2	-1	0	0	-0	18.7	1.4	2.1	0.0	20.1	6	
6	123	27	-2	-0	0	0	-0	10.3	5.6	1.8	0.0	15.8	6	
7	123	17	-1	-0	0	0	-0	6.5	3.6	1.1	0.0	10.1	6	
8	123	18	-1	-0	0	0	-0	6.6	3.7	1.1	0.0	10.3	6	
9	123	17	-1	-0	0	0	-0	6.4	3.4	1.1	0.0	9.8	6	
10	123	79	-3	-1	0	0	-0	29.7	2.4	3.4	0.0	32.0	6	
11	123	50	-2	-1	0	0	-0	18.6	1.5	2.1	0.0	20.1	6	
12	123	50	-2	-1	0	0	-0	18.7	1.7	2.1	0.0	20.4	6	
13	123	49	-2	-1	0	0	-0	18.5	1.4	2.1	0.0	20.0	6	
14	123	27	-2	-0	0	0	-0	10.1	6.0	1.9	0.0	16.1	6	
15	123	17	-1	-0	0	0	-0	6.3	3.8	1.1	0.0	10.1	6	
16	123	17	-1	-0	0	0	-0	6.4	3.9	1.1	0.0	10.4	6	
17	123	17	-1	-0	0	0	-0	6.2	3.6	1.1	0.0	9.8	6	

ASTA NUM. 26 NI 257 NF 256 Lungh. 41.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-0.4174	-0.1044	--	--	1.9894	1.4677 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-2	0	-0	0	-0	0	0.9	3.4	0.3	0.0	4.3	6	
1E	0	-2	0	-0	0	-0	0	0.8	3.4	0.3	0.0	4.2	6	
1I	0	-3	0	-0	0	-0	0	1.1	3.5	0.3	0.0	4.5	6	
1M	0	-2	0	-0	0	-0	0	0.6	3.5	0.3	0.0	4.1	6	
2	0	-20	1	0	0	-0	0	7.4	4.5	0.5	0.0	11.9	6	
3	0	-12	0	-0	0	-0	0	4.6	2.8	0.3	0.0	7.4	6	
4	0	-12	0	-0	0	-0	0	4.6	2.8	0.3	0.0	7.4	6	
5	0	-12	0	0	0	-0	0	4.6	2.7	0.3	0.0	7.3	6	
6	0	-7	0	-0	0	-0	0	2.7	5.8	0.4	0.0	8.5	6	
7	0	-5	0	-0	0	-0	0	1.7	3.6	0.2	0.0	5.4	6	
8	0	-5	0	-0	0	-0	0	1.7	3.6	0.2	0.0	5.4	6	
9	0	-5	0	-0	0	-0	0	1.7	3.5	0.2	0.0	5.2	6	
10	0	-20	1	0	0	-0	0	7.3	4.1	0.5	0.0	11.4	6	
11	0	-12	0	0	0	-0	0	4.6	2.5	0.3	0.0	7.1	6	
12	0	-12	0	-0	0	-0	0	4.6	2.6	0.3	0.0	7.2	6	
13	0	-12	0	0	0	-0	0	4.6	2.4	0.3	0.0	7.0	6	
14	0	-7	0	-0	0	-0	0	2.8	5.3	0.4	0.0	8.1	6	
15	0	-5	0	-0	0	-0	0	1.7	3.3	0.2	0.0	5.0	6	
16	0	-5	0	-0	0	-0	0	1.7	3.4	0.2	0.0	5.1	6	
17	0	-5	0	-0	0	-0	0	1.7	3.1	0.2	0.0	4.8	6	
1A	21	-3	-0	-0	0	-0	0	0.9	4.4	0.2	0.0	5.3	6	
1E	21	-2	-0	-0	0	-0	0	0.8	4.4	0.2	0.0	5.2	6	
1I	21	-3	-0	-0	0	-0	0	1.1	4.0	0.2	0.0	5.1	6	
1M	21	-2	-0	-0	0	-0	0	0.6	4.0	0.2	0.0	4.6	6	
2	21	-20	0	-0	0	-0	0	7.6	9.4	0.1	0.0	17.0	6	
3	21	-13	0	-0	0	-0	0	4.7	5.9	0.0	0.0	10.6	6	
4	21	-13	0	-0	0	-0	0	4.8	5.8	0.0	0.0	10.6	6	
5	21	-13	0	-0	0	-0	0	4.7	5.9	0.0	0.0	10.6	6	
6	21	-8	-0	-0	0	-0	0	2.8	7.0	0.2	0.0	9.8	6	
7	21	-5	-0	-0	0	-0	0	1.8	4.3	0.1	0.0	6.1	6	
8	21	-5	-0	-0	0	-0	0	1.8	4.3	0.1	0.0	6.1	6	
9	21	-5	-0	-0	0	-0	0	1.8	4.3	0.1	0.0	6.1	6	
10	21	-20	0	-0	0	-0	0	7.6	9.0	0.1	0.0	16.5	6	
11	21	-13	0	-0	0	-0	0	4.7	5.6	0.0	0.0	10.3	6	
12	21	-13	0	-0	0	-0	0	4.8	5.6	0.0	0.0	10.3	6	
13	21	-13	0	0	0	-0	0	4.7	5.6	0.0	0.0	10.3	6	
14	21	-8	-0	-0	0	-0	0	2.9	6.6	0.2	0.0	9.5	6	
15	21	-5	-0	-0	0	-0	0	1.8	3.9	0.1	0.0	5.7	6	
16	21	-5	-0	-0	0	0	0	1.8	3.9	0.1	0.0	5.7	6	
17	21	-5	-0	-0	0	-0	0	1.8	3.9	0.1	0.0	5.6	6	
1A	41	-3	-1	-0	0	0	-0	1.0	1.9	0.6	0.0	2.9	6	
1E	41	-2	-1	-0	0	0	-0	0.9	1.9	0.6	0.0	2.8	6	
1I	41	-3	-1	-0	0	0	-0	1.2	2.7	0.6	0.0	3.8	6	
1M	41	-2	-1	-0	0	0	-0	0.7	2.7	0.6	0.0	3.3	6	
2	41	-21	-0	-0	0	-0	0	7.8	6.5	0.4	0.0	14.3	6	
3	41	-13	-0	-0	0	-0	0	4.9	4.0	0.3	0.0	8.9	6	
4	41	-13	-0	-0	0	-0	0	4.9	3.9	0.3	0.0	8.8	6	
5	41	-13	-0	-0	0	-0	0	4.9	4.1	0.3	0.0	9.0	6	
6	41	-8	-1	-0	0	0	-0	2.9	1.4	0.8	0.0	4.3	6	
7	41	-5	-0	-0	0	0	-0	1.9	1.0	0.5	0.0	2.8	1	
8	41	-5	-0	-0	0	0	-0	1.9	1.1	0.5	0.0	3.0	1	
9	41	-5	-0	-0	0	0	-0	1.8	0.8	0.5	0.0	2.6	6	
10	41	-21	-0	-0	0	-0	0	7.8	6.0	0.4	0.0	13.8	6	
11	41	-13	-0	-0	0	-0	0	4.9	3.0	0.3	0.0	7.9	6	
12	41	-13	-0	-0	0	-0	0	4.9	2.9	0.3	0.0	7.8	6	
13	41	-13	-0	-0	0	-0	0	4.9	3.1	0.3	0.0	7.9	6	
14	41	-8	-1	-0	0	0	-0	3.0	2.4	0.8	0.0	5.4	6	
15	41	-5	-0	-0	0	0	-0	1.8	1.5	0.5	0.0	3.4	6	
16	41	-5	-0	-0	0	0	-0	1.9	1.6	0.5	0.0	3.5	6	
17	41	-5	-0	-0	0	0	-0	1.8	1.4	0.5	0.0	3.2	6	

ASTA NUM. 27 NI 258 NF 244 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.

		--	--	--	--	--	--	--	--	1.8364	1.8364 daN/m			

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	4663	-1	-0	0	-1	0	532.9	8.2	0.3	0.0	541.1	1	
1E	0	4677	-1	-0	0	-1	0	534.5	8.2	0.3	0.0	542.8	1	
1I	0	4667	-1	0	0	-0	0	533.4	6.7	0.3	0.0	540.1	1	
1M	0	4673	-1	0	0	-0	0	534.0	6.7	0.3	0.0	540.7	1	
2	0	5805	-3	-12	0	-4	1	663.4	47.9	4.0	0.0	711.3	1	
3	0	4014	-2	-7	0	-2	1	458.7	26.1	2.4	0.0	484.8	1	
4	0	3792	-2	-8	0	-2	1	433.4	30.4	2.5	0.0	463.7	1	
5	0	3622	-2	-8	0	-2	1	413.9	29.9	2.5	0.0	443.8	1	
6	0	7993	-1	-4	0	-2	0	913.5	23.0	1.2	0.0	936.5	1	
7	0	5703	-1	-2	0	-1	0	651.8	8.9	0.6	0.0	660.7	1	
8	0	5195	-1	-2	0	-1	0	593.7	14.9	0.7	0.0	608.6	1	
9	0	4965	-1	-2	0	-1	0	567.4	14.3	0.7	0.0	581.7	1	
10	0	6720	-3	-12	0	-4	1	768.0	48.9	4.0	0.0	816.9	1	
11	0	4197	-2	-7	0	-2	1	479.7	26.6	2.4	0.0	506.3	1	
12	0	4413	-2	-8	0	-2	1	504.3	31.1	2.5	0.0	535.5	1	
13	0	4182	-2	-8	0	-2	1	477.9	30.4	2.5	0.0	508.4	1	
14	0	9174	-1	-4	0	-2	0	1048.5	25.0	1.2	0.0	1073.5	1	
15	0	6072	-1	-2	0	-1	0	693.9	10.0	0.6	0.0	703.9	1	
16	0	6014	-1	-2	0	-1	0	687.3	16.3	0.8	0.0	703.6	1	
17	0	5685	-1	-2	0	-1	0	649.7	15.4	0.7	0.0	665.1	1	
1A	30	4665	-2	-0	0	-0	0	533.1	5.8	0.5	0.0	538.9	1	
1E	30	4679	-2	-0	0	-0	0	534.8	5.8	0.5	0.0	540.6	1	
1I	30	4669	-1	0	0	-0	-0	533.6	5.5	0.5	0.0	539.1	1	
1M	30	4675	-1	0	0	-0	-0	534.2	5.5	0.5	0.0	539.7	1	
2	30	5808	-3	-8	0	-1	0	663.8	7.4	2.7	0.0	671.2	1	
3	30	4016	-2	-5	0	-0	0	458.9	1.5	1.6	0.0	460.5	1	
4	30	3794	-2	-5	0	-0	0	433.6	4.8	1.7	0.0	438.4	1	
5	30	3624	-2	-5	0	-0	0	414.2	4.6	1.7	0.0	418.8	1	
6	30	7996	-2	-3	0	-1	-0	913.8	10.3	0.8	0.0	924.1	1	
7	30	5705	-1	-1	0	-0	-0	651.9	3.3	0.5	0.0	655.2	1	
8	30	5197	-1	-2	0	-1	-0	593.9	6.8	0.5	0.0	600.7	1	
9	30	4967	-1	-2	0	-1	-0	567.7	6.4	0.5	0.0	574.0	1	
10	30	6723	-3	-8	0	-1	0	768.3	8.1	2.7	0.0	776.3	1	
11	30	4199	-2	-5	0	-0	0	479.9	1.9	1.6	0.0	481.8	1	
12	30	4415	-2	-5	0	-0	0	504.6	5.3	1.7	0.0	509.8	1	
13	30	4184	-2	-5	0	-0	0	478.2	5.0	1.7	0.0	483.1	1	
14	30	9177	-2	-3	0	-1	-0	1048.8	11.7	0.9	0.0	1060.5	1	
15	30	6074	-1	-1	0	-0	-0	694.2	4.1	0.5	0.0	698.2	1	
16	30	6016	-1	-2	0	-1	-0	687.5	7.8	0.6	0.0	695.4	1	
17	30	5687	-1	-2	0	-1	-0	649.9	7.2	0.5	0.0	657.2	1	
1A	60	4667	-2	-0	0	-0	-1	533.3	8.5	0.7	0.0	541.8	6	
1E	60	4681	-2	-0	0	-0	-1	535.0	8.5	0.7	0.0	543.5	6	
1I	60	4671	-2	0	0	-0	-1	533.9	8.2	0.6	0.0	542.1	6	
1M	60	4677	-2	0	0	-0	-1	534.5	8.2	0.6	0.0	542.7	6	
2	60	5811	-4	-4	0	1	-1	664.1	19.5	1.3	0.0	683.6	1	
3	60	4017	-3	-2	0	1	-1	459.1	14.5	0.8	0.0	473.6	1	
4	60	3796	-3	-3	0	1	-1	433.8	12.2	0.8	0.0	446.0	1	
5	60	3626	-3	-3	0	1	-1	414.4	12.1	0.8	0.0	426.5	1	
6	60	7999	-3	-2	0	-0	-1	914.2	10.7	0.9	0.0	924.9	6	
7	60	5706	-2	-1	0	0	-1	652.1	8.4	0.6	0.0	660.5	6	
8	60	5198	-2	-1	0	-0	-1	594.1	7.0	0.6	0.0	601.0	6	
9	60	4969	-2	-1	0	-0	-1	567.9	6.7	0.6	0.0	574.6	6	
10	60	6725	-4	-4	0	1	-1	768.6	19.2	1.4	0.0	787.8	1	
11	60	4201	-3	-2	0	1	-1	480.1	14.3	0.9	0.0	494.4	1	
12	60	4417	-3	-3	0	1	-1	504.8	12.1	0.9	0.0	516.9	1	
13	60	4186	-3	-3	0	1	-1	478.4	12.0	0.8	0.0	490.4	1	
14	60	9180	-3	-2	0	-0	-1	1049.1	12.2	1.0	0.0	1061.3	6	
15	60	6076	-2	-1	0	0	-1	694.4	8.5	0.6	0.0	702.9	6	
16	60	6018	-2	-1	0	-0	-1	687.8	7.9	0.6	0.0	695.6	6	
17	60	5689	-2	-1	0	-0	-1	650.2	7.4	0.6	0.0	657.6	6	

ASTA NUM. 28 NI 245 NF 258 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
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NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	4653	1	0	0	-0	0	531.8	5.7	0.2	0.0	537.4	1	
1E	0	4669	1	0	0	-0	0	533.6	5.7	0.2	0.0	539.3	1	
1I	0	4656	1	1	0	-0	-0	532.1	4.1	0.3	0.0	536.2	1	
1M	0	4666	1	1	0	-0	-0	533.3	4.1	0.3	0.0	537.4	1	
2	0	5854	3	7	0	3	-0	669.0	37.5	2.3	0.0	706.5	1	
3	0	4043	2	4	0	2	-0	462.1	25.2	1.3	0.0	487.3	1	
4	0	3823	2	4	0	2	-0	436.9	23.5	1.4	0.0	460.4	1	
5	0	3653	2	4	0	2	-0	417.5	23.5	1.4	0.0	441.0	1	
6	0	7996	2	2	0	0	-0	913.8	2.2	0.6	0.0	916.0	6	
7	0	5704	1	1	0	0	-0	651.9	3.1	0.3	0.0	655.0	1	
8	0	5197	1	1	0	0	-0	593.9	1.4	0.4	0.0	595.3	6	
9	0	4967	1	1	0	0	-0	567.7	1.4	0.4	0.0	569.0	6	
10	0	6769	3	7	0	3	-0	773.6	37.5	2.3	0.0	811.1	1	
11	0	4227	2	4	0	2	-0	483.1	25.4	1.4	0.0	508.4	1	
12	0	4444	2	5	0	2	-0	507.9	23.4	1.5	0.0	531.2	1	
13	0	4213	2	4	0	2	-0	481.5	23.5	1.5	0.0	505.0	1	
14	0	9177	2	2	0	0	-0	1048.8	2.1	0.7	0.0	1050.9	6	
15	0	6074	1	1	0	0	-0	694.2	3.4	0.3	0.0	697.6	1	
16	0	6017	1	1	0	0	-0	687.7	1.2	0.5	0.0	688.8	6	
17	0	5688	1	1	0	0	-0	650.1	1.2	0.4	0.0	651.3	6	
1A	30	4655	0	0	0	-1	0	532.0	6.7	0.0	0.0	538.6	1	
1E	30	4671	0	0	0	-1	0	533.8	6.7	0.0	0.0	540.5	1	
1I	30	4658	0	1	0	-1	0	532.3	6.6	0.2	0.0	538.9	1	
1M	30	4668	0	1	0	-1	0	533.5	6.6	0.2	0.0	540.1	1	
2	30	5857	2	11	0	0	0	669.4	5.7	3.6	0.0	675.0	6	
3	30	4045	1	7	0	0	0	462.3	5.3	2.2	0.0	467.5	1	
4	30	3825	2	7	0	0	0	437.1	3.4	2.3	0.0	440.5	6	
5	30	3655	2	7	0	0	0	417.7	3.6	2.2	0.0	421.3	6	
6	30	7999	1	3	0	-1	0	914.2	9.2	0.9	0.0	923.4	1	
7	30	5706	1	1	0	-0	0	652.1	1.9	0.5	0.0	653.9	1	
8	30	5199	1	2	0	-0	0	594.2	6.0	0.6	0.0	600.2	1	
9	30	4969	1	2	0	-0	0	567.9	5.7	0.6	0.0	573.5	1	
10	30	6772	2	11	0	0	0	773.9	5.6	3.7	0.0	779.5	6	
11	30	4229	1	7	0	0	0	483.3	5.1	2.2	0.0	488.4	1	
12	30	4446	2	7	0	0	0	508.1	3.4	2.3	0.0	511.5	6	
13	30	4215	2	7	0	0	0	481.7	3.6	2.3	0.0	485.2	6	
14	30	9180	1	3	0	-1	0	1049.1	10.2	1.0	0.0	1059.3	1	
15	30	6076	0	2	0	-0	0	694.3	2.3	0.5	0.0	696.7	1	
16	30	6019	1	2	0	-0	0	687.8	6.7	0.7	0.0	694.5	1	
17	30	5690	1	2	0	-0	0	650.2	6.2	0.6	0.0	656.4	1	
1A	60	4657	-1	0	0	-1	0	532.2	6.9	0.2	0.0	539.1	1	
1E	60	4673	-1	0	0	-1	0	534.1	6.9	0.2	0.0	541.0	1	
1I	60	4660	-0	1	0	-1	0	532.5	8.5	0.2	0.0	541.0	1	
1M	60	4670	-0	1	0	-1	0	533.8	8.5	0.2	0.0	542.3	1	
2	60	5860	2	15	0	-4	1	669.7	48.5	4.9	0.0	718.2	1	
3	60	4047	1	9	0	-2	1	462.5	26.7	3.0	0.0	489.2	1	
4	60	3826	1	9	0	-2	1	437.3	30.7	3.1	0.0	468.0	1	
5	60	3656	1	9	0	-2	1	417.8	30.3	3.1	0.0	448.1	1	
6	60	8002	0	4	0	-2	0	914.5	21.9	1.2	0.0	936.5	1	
7	60	5707	0	2	0	-1	0	652.2	8.5	0.7	0.0	660.7	1	
8	60	5201	0	2	0	-1	0	594.4	14.2	0.8	0.0	608.6	1	
9	60	4971	0	2	0	-1	0	568.1	13.6	0.8	0.0	581.7	1	
10	60	6774	2	15	0	-4	1	774.2	49.6	5.0	0.0	823.8	1	
11	60	4231	1	9	0	-2	1	483.5	27.2	3.0	0.0	510.8	1	
12	60	4448	1	10	0	-2	1	508.3	31.5	3.1	0.0	539.9	1	
13	60	4216	1	10	0	-2	1	481.8	30.9	3.1	0.0	512.7	1	
14	60	9183	0	4	0	-2	0	1049.5	24.1	1.4	0.0	1073.6	1	
15	60	6077	0	2	0	-1	0	694.5	9.7	0.7	0.0	704.2	1	
16	60	6020	0	3	0	-1	0	688.0	15.7	0.9	0.0	703.7	1	
17	60	5691	0	3	0	-1	0	650.4	14.8	0.8	0.0	665.2	1	

ASTA NUM. 29 NI 145 NF 258 Lungh. 123.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1520	-0.5380	--	--	1.4488	-1.2412 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	1	1	-0	0	-0	0	0.5	5.6	0.9	0.0	6.1	6	
1E	0	3	1	-0	0	-0	0	1.3	5.6	0.9	0.0	6.9	6	
1I	0	-1	1	-0	0	-0	0	0.5	5.7	0.9	0.0	6.1	6	
1M	0	6	1	-0	0	-0	0	2.2	5.7	0.9	0.0	7.9	6	
2	0	-72	-1	-1	0	-0	0	26.9	9.1	1.3	0.0	36.0	6	
3	0	-44	-1	-1	0	-0	0	16.5	4.8	0.8	0.0	21.3	6	
4	0	-45	-0	-1	0	-0	0	16.9	5.3	0.8	0.0	22.2	6	
5	0	-45	-0	-1	0	-0	0	16.8	5.6	0.8	0.0	22.4	6	
6	0	-16	1	-0	0	-0	0	5.9	9.7	0.8	0.0	15.7	6	
7	0	-9	0	-0	0	-0	0	3.2	4.9	0.5	0.0	8.1	6	
8	0	-10	0	-0	0	-0	0	3.8	5.7	0.5	0.0	9.5	6	
9	0	-10	0	-0	0	-0	0	3.7	6.1	0.5	0.0	9.8	6	
10	0	-72	-1	-1	0	-0	0	27.0	9.7	1.3	0.0	36.7	6	
11	0	-44	-1	-1	0	-0	0	16.5	5.1	0.8	0.0	21.6	6	
12	0	-45	-0	-1	0	-0	0	17.0	5.8	0.8	0.0	22.8	6	
13	0	-45	-0	-1	0	-0	0	16.9	5.9	0.8	0.0	22.8	6	
14	0	-16	1	-0	0	-0	0	6.1	9.9	0.9	0.0	16.1	6	
15	0	-9	0	-0	0	-0	0	3.4	4.9	0.5	0.0	8.3	6	
16	0	-11	0	-0	0	-0	0	4.1	5.9	0.5	0.0	10.0	6	
17	0	-10	0	-0	0	-0	0	3.9	6.0	0.5	0.0	9.9	6	

1A	62	2	-0	-0	0	-0	0	0.8	27.8	0.0	0.0	28.6	6
1E	62	4	-0	-0	0	-0	0	1.6	27.8	0.0	0.0	29.4	6
1I	62	-0	-0	-0	0	-0	0	0.1	27.8	0.0	0.0	27.9	6
1M	62	7	-0	-0	0	-0	0	2.6	27.8	0.0	0.0	30.3	6
2	62	-69	-0	-0	0	0	-0	25.7	35.5	0.1	0.0	61.2	1
3	62	-42	-0	-0	0	0	-0	15.7	23.1	0.0	0.0	38.8	1
4	62	-43	-0	-0	0	0	-0	16.2	22.4	0.0	0.0	38.5	1
5	62	-43	-0	-0	0	0	-0	16.1	22.2	0.0	0.0	38.2	1
6	62	-14	-0	-0	0	0	0	5.3	28.1	0.0	0.0	33.4	6
7	62	-7	-0	-0	0	0	0	2.8	16.5	0.0	0.0	19.3	6
8	62	-9	-0	-0	0	0	0	3.4	17.6	0.0	0.0	21.0	6
9	62	-9	-0	-0	0	0	0	3.3	17.5	0.0	0.0	20.8	6
10	62	-69	-0	-0	0	0	-0	25.8	35.4	0.1	0.0	61.2	1
11	62	-42	-0	-0	0	0	-0	15.8	23.0	0.0	0.0	38.8	1
12	62	-43	-0	-0	0	0	-0	16.3	22.3	0.0	0.0	38.5	1
13	62	-43	-0	-0	0	0	-0	16.1	22.1	0.0	0.0	38.2	1
14	62	-14	-0	-0	0	0	0	5.4	30.4	0.0	0.0	35.9	6
15	62	-8	-0	-0	0	0	0	3.0	16.5	0.0	0.0	19.4	6
16	62	-10	-0	-0	0	0	0	3.6	17.7	0.0	0.0	21.3	6
17	62	-9	-0	-0	0	0	0	3.5	17.5	0.0	0.0	20.9	6
1A	123	3	-1	-0	0	-0	0	1.2	3.4	1.0	0.0	4.5	6
1E	123	5	-1	-0	0	-0	0	2.0	3.4	1.0	0.0	5.4	6
1I	123	1	-1	-0	0	-0	0	0.2	3.3	1.0	0.0	3.5	6
1M	123	8	-1	-0	0	-0	0	2.9	3.3	1.0	0.0	6.2	6
2	123	-65	1	1	0	0	0	24.5	1.7	1.2	0.0	26.2	6
3	123	-40	0	1	0	0	-0	15.0	0.8	0.8	0.0	15.7	1
4	123	-41	0	1	0	0	0	15.4	1.2	0.8	0.0	16.7	6
5	123	-41	0	1	0	0	0	15.3	1.1	0.8	0.0	16.4	6
6	123	-12	-1	0	0	-0	0	4.6	5.2	0.8	0.0	9.8	6
7	123	-6	-0	0	0	-0	0	2.4	1.2	0.5	0.0	3.6	6
8	123	-8	-0	0	0	-0	0	3.0	3.4	0.5	0.0	6.4	6
9	123	-8	-0	0	0	-0	0	2.9	3.2	0.5	0.0	6.1	6
10	123	-66	1	1	0	0	0	24.6	1.7	1.2	0.0	26.3	6
11	123	-40	0	1	0	0	-0	15.0	0.9	0.8	0.0	15.9	1
12	123	-41	0	1	0	0	0	15.5	1.3	0.8	0.0	16.8	6
13	123	-41	0	1	0	0	0	15.4	1.0	0.8	0.0	16.4	6
14	123	-13	-1	0	0	-0	0	4.7	4.8	0.9	0.0	9.6	6
15	123	-7	-1	0	0	0	0	2.6	1.1	0.5	0.0	3.6	6
16	123	-9	-0	0	0	-0	0	3.2	3.2	0.5	0.0	6.4	6
17	123	-8	-0	0	0	-0	0	3.0	3.0	0.5	0.0	6.1	6

ASTA NUM. 30 NI 258 NF 259 Lungh. 41.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4174	0.1044	--	--	1.9894	2.5112 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3	0	0	0	0	0	1.0	3.3	0.2	0.0	4.3	6	
1E	0	-2	0	0	0	0	0	0.9	3.3	0.2	0.0	4.2	6	
1I	0	-3	0	0	0	0	0	1.2	3.6	0.2	0.0	4.8	6	
1M	0	-2	0	0	0	0	0	0.7	3.6	0.2	0.0	4.4	6	
2	0	14	1	0	0	-0	-0	5.1	6.2	0.8	0.0	11.4	6	
3	0	8	0	0	0	-0	-0	3.2	3.8	0.5	0.0	6.9	6	
4	0	9	0	0	0	-0	-0	3.2	3.9	0.5	0.0	7.1	6	
5	0	9	0	0	0	-0	-0	3.2	3.9	0.5	0.0	7.1	6	
6	0	1	0	0	0	0	0	0.3	2.6	0.4	0.0	2.9	6	
7	0	0	0	0	0	0	0	0.1	1.9	0.2	0.0	2.0	6	
8	0	1	0	0	0	0	0	0.2	1.7	0.3	0.0	1.9	6	
9	0	0	0	0	0	0	0	0.2	1.6	0.3	0.0	1.8	6	
10	0	14	1	0	0	-0	-0	5.1	6.7	0.8	0.0	11.8	6	
11	0	8	0	0	0	-0	-0	3.1	4.2	0.5	0.0	7.4	6	
12	0	9	0	0	0	-0	-0	3.2	4.1	0.5	0.0	7.4	6	
13	0	9	0	0	0	-0	-0	3.2	4.1	0.5	0.0	7.3	6	
14	0	1	0	0	0	0	0	0.2	1.6	0.5	0.0	1.8	1	
15	0	0	0	0	0	0	0	0.1	0.7	0.3	0.0	0.8	1	
16	0	1	0	0	0	0	0	0.2	1.0	0.3	0.0	1.2	1	
17	0	0	0	0	0	0	0	0.2	0.7	0.3	0.0	0.9	1	
1A	21	-3	-0	0	0	0	0	1.0	3.4	0.2	0.0	4.4	6	
1E	21	-2	-0	0	0	0	0	0.8	3.4	0.2	0.0	4.2	6	
1I	21	-3	-0	0	0	0	0	1.1	3.5	0.2	0.0	4.6	6	
1M	21	-2	-0	0	0	0	0	0.7	3.5	0.2	0.0	4.2	6	
2	21	14	0	0	0	-0	0	5.1	1.4	0.0	0.0	6.5	1	
3	21	8	0	0	0	-0	0	3.1	0.9	0.0	0.0	4.0	1	
4	21	9	0	0	0	-0	0	3.2	0.9	0.0	0.0	4.1	6	
5	21	8	0	0	0	-0	0	3.2	0.9	0.0	0.0	4.1	6	
6	21	1	-0	0	0	-0	0	0.3	3.7	0.2	0.0	4.0	6	
7	21	0	-0	0	0	-0	0	0.1	2.2	0.2	0.0	2.4	6	
8	21	1	-0	0	0	-0	0	0.2	2.3	0.1	0.0	2.5	6	
9	21	1	-0	0	0	-0	0	0.2	2.3	0.1	0.0	2.5	6	
10	21	13	0	0	0	-0	0	5.1	1.3	0.0	0.0	6.4	1	
11	21	8	0	0	0	-0	0	3.1	0.8	0.0	0.0	3.9	1	
12	21	9	0	0	0	-0	0	3.2	0.7	0.0	0.0	3.9	1	
13	21	8	0	0	0	-0	0	3.2	0.8	0.0	0.0	4.0	1	
14	21	1	-0	0	0	-0	0	0.2	3.4	0.2	0.0	3.6	6	
15	21	0	-0	0	0	-0	0	0.1	1.9	0.1	0.0	2.0	6	
16	21	1	-0	0	0	-0	0	0.2	1.8	0.1	0.0	2.1	6	
17	21	1	-0	0	0	-0	0	0.2	2.0	0.1	0.0	2.2	6	
1A	41	-2	-1	0	0	-0	-0	0.9	3.8	0.6	0.0	4.7	6	
1E	41	-2	-1	0	0	-0	-0	0.8	3.8	0.6	0.0	4.5	6	
1I	41	-3	-1	0	0	-0	-0	1.1	3.9	0.6	0.0	5.0	6	
1M	41	-2	-1	0	0	-0	-0	0.6	3.9	0.6	0.0	4.5	6	
2	41	13	-1	0	0	-0	-0	5.0	5.0	0.7	0.0	10.0	6	
3	41	8	-0	0	0	-0	-0	3.1	3.1	0.4	0.0	6.2	6	
4	41	8	-0	0	0	-0	-0	3.2	3.1	0.4	0.0	6.3	6	
5	41	8	-0	0	0	-0	-0	3.1	3.1	0.4	0.0	6.2	6	
6	41	1	-1	0	0	-0	-0	0.4	6.2	0.9	0.0	6.6	6	
7	41	0	-1	0	0	-0	-0	0.1	4.2	0.6	0.0	4.4	6	
8	41	1	-1	0	0	-0	-0	0.3	3.8	0.5	0.0	4.1	6	
9	41	1	-1	0	0	-0	-0	0.2	3.9	0.5	0.0	4.1	6	
10	41	13	-1	0	0	-0	-0	5.0	5.1	0.7	0.0	10.0	6	
11	41	8	-0	0	0	-0	-0	3.1	3.2	0.4	0.0	6.2	6	
12	41	8	-0	0	0	-0	-0	3.1	3.2	0.4	0.0	6.3	6	
13	41	8	-0	0	0	-0	-0	3.1	3.2	0.4	0.0	6.3	6	
14	41	1	-1	0	0	-0	-0	0.3	6.7	0.9	0.0	7.0	6	
15	41	0	-1	0	0	-0	-0	0.1	4.3	0.5	0.0	4.5	6	
16	41	1	-1	0	0	-0	-0	0.3	4.2	0.5	0.0	4.5	6	
17	41	1	-1	0	0	-0	-0	0.2	4.1	0.5	0.0	4.3	6	

ASTA NUM. 31 NI 260 NF 242 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8364	1.8364 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3931	-0	1	0	1	1	449.2	10.2	0.2	0.0	459.4	1	
1E	0	3951	-0	1	0	1	1	451.6	10.2	0.2	0.0	461.8	1	
1I	0	3937	-0	1	0	1	0	450.0	11.0	0.3	0.0	461.0	1	
1M	0	3945	-0	1	0	1	0	450.8	11.0	0.3	0.0	461.8	1	
2	0	4640	-2	14	0	4	1	530.3	47.7	4.5	0.0	578.0	1	
3	0	-595	-1	8	0	2	1	68.0	26.9	2.7	0.0	94.9	1	
4	0	2735	-1	8	0	2	1	312.6	29.5	2.8	0.0	342.1	1	
5	0	2906	-1	9	0	2	1	332.1	30.3	2.8	0.0	362.5	1	
6	0	6778	-0	4	0	2	1	774.6	24.2	1.3	0.0	798.8	1	
7	0	-1092	-0	2	0	1	1	124.8	11.1	0.7	0.0	135.9	1	
8	0	4037	-0	3	0	1	0	461.4	14.7	0.8	0.0	476.1	1	
9	0	4267	-0	3	0	1	0	487.7	16.0	0.9	0.0	503.6	1	
10	0	5748	-2	14	0	4	1	656.9	49.1	4.5	0.0	706.1	1	
11	0	-290	-1	8	0	2	1	33.2	27.6	2.7	0.0	60.8	1	
12	0	3378	-1	9	0	2	1	386.1	30.3	2.8	0.0	416.3	1	
13	0	3610	-1	9	0	2	1	412.6	30.9	2.8	0.0	443.5	1	
14	0	7960	-0	4	0	2	1	909.7	26.1	1.4	0.0	935.9	1	
15	0	-723	-0	2	0	1	1	82.6	12.1	0.8	0.0	94.7	1	
16	0	4696	-0	3	0	1	0	536.7	15.7	0.8	0.0	552.4	1	
17	0	5025	-0	3	0	1	0	574.3	16.6	0.9	0.0	590.8	1	
1A	30	3933	-1	1	0	0	0	449.4	7.2	0.3	0.0	456.6	1	
1E	30	3953	-1	1	0	0	0	451.8	7.2	0.3	0.0	459.0	1	
1I	30	3939	-1	1	0	0	0	450.2	7.1	0.3	0.0	457.4	1	
1M	30	3947	-1	1	0	0	0	451.0	7.1	0.3	0.0	458.2	1	
2	30	4643	-2	10	0	0	1	530.6	7.4	3.1	0.0	538.0	6	
3	30	-593	-1	6	0	-0	0	67.8	6.3	1.9	0.0	74.1	6	
4	30	2737	-2	6	0	0	0	312.8	4.7	1.9	0.0	317.5	6	
5	30	2908	-2	6	0	0	0	332.3	4.8	2.0	0.0	337.0	6	
6	30	6781	-1	3	0	1	1	775.0	10.4	1.0	0.0	785.3	1	
7	30	-1090	-0	2	0	0	0	124.6	6.5	0.5	0.0	131.0	6	
8	30	4039	-1	2	0	0	0	461.5	6.3	0.6	0.0	467.9	1	
9	30	4269	-1	2	0	0	0	487.9	7.1	0.7	0.0	495.0	1	
10	30	5751	-2	10	0	0	1	657.2	8.1	3.2	0.0	665.3	6	
11	30	-289	-1	6	0	-0	0	33.0	6.2	1.9	0.0	39.2	6	
12	30	3380	-1	6	0	0	0	386.3	5.2	2.0	0.0	391.4	6	
13	30	3612	-2	6	0	0	0	412.7	5.1	2.0	0.0	417.9	6	
14	30	7963	-1	3	0	1	1	910.1	12.0	1.0	0.0	922.0	1	
15	30	-721	-0	2	0	0	1	82.4	6.9	0.5	0.0	89.3	6	
16	30	4698	-1	2	0	0	0	536.9	7.2	0.6	0.0	544.1	1	
17	30	5027	-1	2	0	0	0	574.5	7.6	0.7	0.0	582.1	1	
1A	60	3935	-1	1	0	0	0	449.7	3.3	0.5	0.0	453.0	1	
1E	60	3955	-1	1	0	0	0	452.0	3.3	0.5	0.0	455.4	1	
1I	60	3941	-1	1	0	0	0	450.4	2.6	0.4	0.0	453.0	1	
1M	60	3949	-1	1	0	0	0	451.3	2.6	0.4	0.0	453.8	1	
2	60	4645	-3	6	0	-2	-0	530.9	28.0	1.8	0.0	558.8	1	
3	60	-592	-2	3	0	-2	-0	67.6	18.5	1.0	0.0	86.1	1	

4	60	2739	-2	3	0	-1	-0	313.0	17.4	1.1	0.0	330.4	1
5	60	2909	-2	3	0	-1	-0	332.5	17.3	1.1	0.0	349.7	1
6	60	6784	-2	2	0	-0	0	775.3	2.4	0.7	0.0	777.8	6
7	60	-1088	-1	1	0	-0	0	124.3	4.3	0.3	0.0	128.6	6
8	60	4040	-1	1	0	-0	0	461.7	1.8	0.4	0.0	463.5	6
9	60	4271	-1	1	0	-0	0	488.1	1.3	0.5	0.0	489.4	6
10	60	5753	-3	6	0	-2	-0	657.5	27.1	1.8	0.0	684.6	1
11	60	-287	-2	3	0	-1	-0	32.8	18.1	1.1	0.0	50.9	1
12	60	3382	-2	3	0	-1	-0	386.5	16.8	1.1	0.0	403.4	1
13	60	3613	-2	4	0	-1	-0	412.9	16.9	1.2	0.0	429.8	1
14	60	7966	-2	2	0	-0	0	910.4	2.6	0.7	0.0	913.0	6
15	60	-719	-1	1	0	-0	0	82.2	4.3	0.3	0.0	86.5	6
16	60	4699	-1	1	0	-0	0	537.0	2.1	0.4	0.0	539.1	6
17	60	5029	-1	1	0	-0	0	574.7	1.7	0.5	0.0	576.4	6

ASTA NUM. 32 NI 243 NF 260 Lungh. 60.2 cm SEZ. 21 Ps L 75X 6

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	1.8365	1.8365 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3921	1	0	0	1	-0	448.1	8.2	0.4	0.0	456.2	1	
1E	0	3943	1	0	0	1	-0	450.7	8.2	0.4	0.0	458.8	1	
1I	0	3926	1	1	0	1	-0	448.7	9.6	0.5	0.0	458.3	1	
1M	0	3938	1	1	0	1	-0	450.1	9.6	0.5	0.0	459.7	1	
2	0	4689	4	-5	0	-2	-1	535.9	27.2	1.6	0.0	563.1	1	
3	0	-565	3	-3	0	-1	-0	64.6	18.8	1.0	0.0	83.4	1	
4	0	2766	3	-3	0	-1	-0	316.1	17.3	1.0	0.0	333.4	1	
5	0	2936	3	-3	0	-1	-0	335.5	17.2	1.1	0.0	352.8	1	
6	0	6782	3	-1	0	0	-1	775.1	8.4	1.0	0.0	783.5	6	
7	0	-1090	2	-1	0	-0	-0	124.6	3.9	0.6	0.0	128.5	6	
8	0	4039	2	-1	0	0	-0	461.6	5.1	0.6	0.0	466.7	6	
9	0	4270	2	-1	0	0	-0	488.0	5.1	0.6	0.0	493.1	6	
10	0	5797	4	-5	0	-2	-1	662.5	27.3	1.7	0.0	689.8	1	
11	0	-260	3	-3	0	-1	-0	29.7	18.9	1.0	0.0	48.7	1	
12	0	3409	3	-3	0	-1	-0	389.6	17.4	1.1	0.0	407.0	1	
13	0	3641	3	-3	0	-1	-1	416.1	17.1	1.1	0.0	433.2	1	
14	0	7963	3	-2	0	0	-1	910.1	8.7	1.0	0.0	918.8	6	
15	0	-721	2	-1	0	-0	-0	82.4	4.1	0.6	0.0	86.5	6	
16	0	4698	2	-1	0	0	-0	536.9	5.2	0.6	0.0	542.1	6	
17	0	5028	2	-1	0	0	-0	574.6	5.3	0.6	0.0	580.0	6	
1A	30	3923	1	0	0	1	0	448.3	6.6	0.2	0.0	454.9	1	
1E	30	3945	1	0	0	1	0	450.9	6.6	0.2	0.0	457.5	1	
1I	30	3928	1	1	0	1	0	448.9	6.8	0.3	0.0	455.7	1	
1M	30	3940	1	1	0	1	0	450.3	6.8	0.3	0.0	457.1	1	
2	30	4692	3	-9	0	0	0	536.2	4.5	3.0	0.0	540.7	6	
3	30	-563	2	-6	0	-0	0	64.4	3.8	1.8	0.0	68.1	6	
4	30	2768	2	-6	0	0	0	316.3	2.8	1.8	0.0	319.1	6	
5	30	2938	2	-6	0	0	0	335.8	2.9	1.9	0.0	338.7	6	
6	30	6785	2	-2	0	1	0	775.4	10.3	0.7	0.0	785.7	1	
7	30	-1089	1	-1	0	0	0	124.4	3.4	0.5	0.0	127.8	1	
8	30	4041	1	-1	0	0	0	461.8	6.1	0.5	0.0	467.9	1	
9	30	4272	1	-2	0	1	0	488.2	6.8	0.5	0.0	494.9	1	
10	30	5800	3	-9	0	0	0	662.9	4.8	3.0	0.0	667.6	6	
11	30	-258	2	-6	0	-0	0	29.5	3.7	1.9	0.0	33.2	6	
12	30	3411	2	-6	0	0	0	389.8	2.9	1.9	0.0	392.7	6	
13	30	3643	2	-6	0	0	0	416.3	3.0	1.9	0.0	419.3	6	
14	30	7966	2	-3	0	1	0	910.4	11.1	0.9	0.0	921.5	1	
15	30	-719	1	-1	0	0	0	82.2	3.8	0.5	0.0	85.9	1	
16	30	4700	1	-2	0	0	0	537.1	6.4	0.5	0.0	543.6	1	
17	30	5030	1	-2	0	1	0	574.9	7.0	0.6	0.0	581.9	1	
1A	60	3925	0	0	0	0	0	448.5	6.5	0.1	0.0	455.0	1	
1E	60	3947	0	0	0	0	0	451.1	6.5	0.1	0.0	457.6	1	
1I	60	3930	0	1	0	0	0	449.1	5.7	0.2	0.0	454.8	1	
1M	60	3942	0	1	0	0	0	450.5	5.7	0.2	0.0	456.2	1	
2	60	4694	3	-13	0	3	1	536.5	46.9	4.3	0.0	583.4	1	
3	60	-562	2	-8	0	2	1	64.2	26.7	2.6	0.0	90.9	1	
4	60	2770	2	-8	0	2	1	316.6	29.0	2.7	0.0	345.6	1	
5	60	2940	2	-8	0	2	1	336.0	30.0	2.7	0.0	366.0	1	
6	60	6788	1	-3	0	2	1	775.8	22.8	1.1	0.0	798.5	1	
7	60	-1087	1	-2	0	1	1	124.2	10.7	0.6	0.0	134.9	1	
8	60	4043	1	-2	0	1	0	462.1	13.9	0.7	0.0	475.9	1	
9	60	4273	1	-2	0	1	0	488.3	15.3	0.7	0.0	503.6	1	
10	60	5803	3	-13	0	4	1	663.2	48.5	4.4	0.0	711.7	1	
11	60	-257	2	-8	0	2	1	29.3	27.6	2.7	0.0	56.9	1	
12	60	3413	2	-8	0	2	1	390.1	29.9	2.7	0.0	420.0	1	
13	60	3644	2	-8	0	2	1	416.5	30.5	2.7	0.0	447.0	1	
14	60	7969	2	-4	0	2	1	910.7	25.0	1.2	0.0	935.7	1	
15	60	-717	1	-2	0	1	1	82.0	11.9	0.7	0.0	93.9	1	
16	60	4702	1	-2	0	1	0	537.4	15.0	0.7	0.0	552.4	1	
17	60	5032	1	-2	0	1	0	575.1	15.8	0.8	0.0	590.9	1	

ASTA NUM. 33 NI 144 NF 260 Lungh. 123.2 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-2.1520	-0.5380	--	--	1.4488	-1.2412 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	1	1	0	0	0	0	0.4	5.7	0.9	0.0	6.0	6	
1E	0	3	1	0	0	0	0	1.2	5.7	0.9	0.0	6.8	6	
1I	0	-2	1	0	0	0	0	0.6	5.6	0.9	0.0	6.2	6	
1M	0	6	1	0	0	0	0	2.1	5.6	0.9	0.0	7.7	6	
2	0	-72	-1	1	0	0	0	26.9	8.6	1.3	0.0	35.5	6	
3	0	-44	-0	1	0	0	0	16.6	4.0	0.8	0.0	20.6	6	
4	0	-45	-0	1	0	0	0	16.8	5.0	0.8	0.0	21.8	6	
5	0	-45	-0	1	0	0	0	16.9	5.2	0.8	0.0	22.1	6	
6	0	-16	1	0	0	0	0	6.1	9.5	0.8	0.0	15.6	6	
7	0	-9	0	0	0	0	0	3.5	4.0	0.5	0.0	7.5	6	
8	0	-10	0	0	0	0	0	3.8	5.5	0.5	0.0	9.3	6	
9	0	-11	0	0	0	0	0	4.0	5.8	0.5	0.0	9.8	6	
10	0	-72	-1	1	0	0	0	27.1	9.3	1.3	0.0	36.4	6	
11	0	-45	-0	1	0	0	0	16.7	4.4	0.8	0.0	21.0	6	
12	0	-45	-0	1	0	0	0	16.9	5.4	0.8	0.0	22.2	6	
13	0	-45	-0	1	0	0	0	17.0	5.6	0.8	0.0	22.6	6	
14	0	-17	1	0	0	0	0	6.3	9.7	0.9	0.0	15.9	6	
15	0	-10	0	0	0	0	0	3.7	4.0	0.5	0.0	7.7	6	
16	0	-10	0	0	0	0	0	3.9	5.6	0.5	0.0	9.5	6	
17	0	-11	0	0	0	0	0	4.1	5.9	0.5	0.0	9.9	6	
1A	62	2	-0	0	0	0	0	0.7	27.7	0.0	0.0	28.4	6	
1E	62	4	-0	0	0	0	0	1.5	27.7	0.0	0.0	29.3	6	
1I	62	-1	-0	0	0	0	0	0.2	27.7	0.0	0.0	28.0	6	
1M	62	7	-0	0	0	0	0	2.4	27.7	0.0	0.0	30.2	6	
2	62	-69	-0	0	0	-0	-0	25.7	34.6	0.0	0.0	60.3	1	
3	62	-42	-0	0	0	-0	-0	15.8	22.4	0.0	0.0	38.2	1	
4	62	-43	-0	0	0	-0	-0	16.1	21.7	0.0	0.0	37.7	1	
5	62	-43	-0	0	0	-0	-0	16.2	21.7	0.0	0.0	37.9	1	
6	62	-15	-0	0	0	-0	0	5.5	28.2	0.0	0.0	33.7	6	
7	62	-8	-0	0	0	-0	0	3.1	16.3	0.0	0.0	19.4	6	
8	62	-9	-0	0	0	-0	0	3.4	17.3	0.0	0.0	20.7	6	
9	62	-10	-0	0	0	-0	0	3.6	17.5	0.0	0.0	21.1	6	
10	62	-69	-0	0	0	-0	-0	25.9	34.3	0.0	0.0	60.2	1	
11	62	-43	-0	0	0	-0	-0	15.9	22.3	0.0	0.0	38.2	1	
12	62	-43	-0	0	0	-0	-0	16.1	21.5	0.0	0.0	37.6	1	
13	62	-43	-0	0	0	-0	-0	16.2	21.5	0.0	0.0	37.8	1	
14	62	-15	-0	0	0	-0	0	5.6	30.3	0.1	0.0	35.9	6	
15	62	-9	-0	0	0	-0	0	3.3	16.2	0.0	0.0	19.4	6	
16	62	-9	-0	0	0	-0	0	3.5	17.1	0.0	0.0	20.6	6	
17	62	-10	-0	0	0	-0	0	3.6	17.5	0.0	0.0	21.1	6	
1A	123	3	-1	0	0	0	0	1.1	3.3	1.0	0.0	4.3	6	
1E	123	5	-1	0	0	0	0	1.9	3.3	1.0	0.0	5.1	6	
1I	123	0	-1	0	0	0	0	0.1	3.3	1.0	0.0	3.4	6	
1M	123	7	-1	0	0	0	0	2.8	3.3	1.0	0.0	6.1	6	
2	123	-66	1	-1	0	0	0	24.5	4.2	1.2	0.0	28.8	6	
3	123	-40	0	-1	0	0	0	15.1	1.5	0.8	0.0	16.6	6	
4	123	-41	0	-1	0	0	0	15.3	2.5	0.8	0.0	17.8	6	
5	123	-41	0	-1	0	0	0	15.4	2.5	0.8	0.0	17.9	6	
6	123	-13	-1	-0	0	0	0	4.8	5.9	0.8	0.0	10.7	6	
7	123	-7	-0	-0	0	0	0	2.7	2.2	0.5	0.0	4.9	6	
8	123	-8	-0	-0	0	0	0	3.0	3.6	0.5	0.0	6.5	6	
9	123	-8	-0	-0	0	0	0	3.2	3.4	0.5	0.0	6.6	6	
10	123	-66	1	-1	0	0	0	24.7	4.1	1.2	0.0	28.8	6	
11	123	-41	0	-1	0	0	0	15.2	1.4	0.8	0.0	16.6	6	
12	123	-41	0	-1	0	0	0	15.4	2.4	0.8	0.0	17.8	6	
13	123	-41	0	-1	0	0	0	15.5	2.5	0.8	0.0	18.0	6	
14	123	-13	-1	-0	0	0	0	4.9	5.5	0.9	0.0	10.4	6	
15	123	-8	-0	-0	0	0	0	2.8	1.9	0.5	0.0	4.8	6	
16	123	-8	-0	-0	0	0	0	3.1	3.3	0.5	0.0	6.3	6	
17	123	-9	-0	-0	0	0	0	3.2	3.4	0.5	0.0	6.7	6	

ASTA NUM. 34 NI 260 NF 261 Lungh. 41.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	0.4174	0.1044	--	--	1.9894	2.5112 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-3	0	-0	0	-0	0	1.0	2.8	0.2	0.0	3.8	6	
1E	0	-2	0	-0	0	-0	0	0.9	2.8	0.2	0.0	3.7	6	

1I	0	-3	0	-0	0	-0	0	1.2	3.0	0.2	0.0	4.2	6
1M	0	-2	0	-0	0	-0	0	0.7	3.0	0.2	0.0	3.7	6
2	0	14	1	-0	0	-0	0	5.3	1.5	0.9	0.0	6.8	1
3	0	9	1	0	0	-0	0	3.3	0.3	0.6	0.0	3.6	1
4	0	9	1	0	0	-0	0	3.3	0.7	0.6	0.0	4.1	1
5	0	9	1	-0	0	-0	0	3.3	0.8	0.6	0.0	4.1	1
6	0	1	0	-0	0	-0	0	0.4	4.1	0.4	0.0	4.5	6
7	0	1	0	-0	0	-0	0	0.2	0.6	0.4	0.0	0.8	5
8	0	1	0	-0	0	-0	0	0.2	2.4	0.3	0.0	2.6	6
9	0	1	0	-0	0	-0	0	0.2	1.8	0.3	0.0	2.0	1
10	0	14	1	-0	0	-0	0	5.3	1.4	0.9	0.0	6.7	1
11	0	9	1	0	0	-0	-0	3.3	1.2	0.6	0.0	4.5	6
12	0	9	1	0	0	-0	0	3.3	0.6	0.6	0.0	3.9	1
13	0	9	1	-0	0	-0	0	3.3	0.8	0.6	0.0	4.2	1
14	0	1	0	-0	0	-0	0	0.3	2.9	0.5	0.0	3.2	6
15	0	1	0	-0	0	-0	0	0.2	0.3	0.4	0.0	0.8	5
16	0	1	0	-0	0	-0	0	0.2	1.6	0.3	0.0	1.8	6
17	0	1	0	-0	0	-0	0	0.2	1.7	0.3	0.0	1.9	1
1A	21	-3	-0	-0	0	0	0	1.0	2.2	0.2	0.0	3.1	6
1E	21	-2	-0	-0	0	0	0	0.8	2.2	0.2	0.0	3.0	6
1I	21	-3	-0	-0	0	-0	0	1.1	2.1	0.2	0.0	3.2	6
1M	21	-2	-0	-0	0	-0	0	0.6	2.1	0.2	0.0	2.7	6
2	21	14	0	0	0	-0	0	5.3	9.7	0.1	0.0	14.9	6
3	21	9	0	0	0	-0	0	3.3	6.3	0.2	0.0	9.5	6
4	21	9	0	0	0	-0	0	3.3	6.1	0.1	0.0	9.4	6
5	21	9	0	0	0	-0	0	3.3	5.8	0.1	0.0	9.1	6
6	21	1	-0	-0	0	-0	0	0.4	4.6	0.2	0.0	5.0	6
7	21	1	-0	-0	0	-0	0	0.2	3.2	0.0	0.0	3.4	6
8	21	1	-0	-0	0	-0	0	0.3	2.9	0.1	0.0	3.2	6
9	21	1	-0	-0	0	-0	0	0.3	2.5	0.1	0.0	2.8	6
10	21	14	0	0	0	-0	0	5.2	9.1	0.1	0.0	14.3	6
11	21	9	0	0	0	-0	0	3.2	5.9	0.2	0.0	9.2	6
12	21	9	0	0	0	-0	0	3.3	5.7	0.1	0.0	9.0	6
13	21	9	0	0	0	-0	0	3.3	5.6	0.1	0.0	8.9	6
14	21	1	-0	-0	0	-0	0	0.3	4.1	0.2	0.0	4.4	6
15	21	1	-0	-0	0	-0	0	0.2	2.7	0.0	0.0	3.0	6
16	21	1	-0	-0	0	-0	0	0.3	2.4	0.1	0.0	2.7	6
17	21	1	-0	-0	0	-0	0	0.3	2.3	0.1	0.0	2.6	6
1A	41	-2	-1	-0	0	0	-0	0.9	5.7	0.7	0.0	6.7	6
1E	41	-2	-1	-0	0	0	-0	0.7	5.7	0.7	0.0	6.5	6
1I	41	-3	-1	-0	0	0	-0	1.1	6.0	0.7	0.0	7.1	6
1M	41	-2	-1	-0	0	0	-0	0.6	6.0	0.7	0.0	6.6	6
2	41	14	-1	0	0	-0	0	5.2	5.9	0.6	0.0	11.1	6
3	41	9	-0	0	0	-0	0	3.2	5.5	0.3	0.0	8.7	6
4	41	9	-0	0	0	-0	0	3.2	4.0	0.4	0.0	7.2	6
5	41	9	-0	0	0	-0	0	3.2	3.8	0.4	0.0	7.0	6
6	41	1	-1	-0	0	0	-0	0.5	5.5	0.9	0.0	5.9	6
7	41	1	-0	-0	0	0	-0	0.2	0.8	0.4	0.0	1.0	6
8	41	1	-1	-0	0	0	-0	0.3	3.1	0.5	0.0	3.4	6
9	41	1	-1	-0	0	0	-0	0.3	3.3	0.5	0.0	3.6	6
10	41	14	-1	0	0	-0	0	5.2	5.3	0.6	0.0	10.4	6
11	41	9	-0	0	0	-0	0	3.2	5.2	0.3	0.0	8.4	6
12	41	9	-0	0	0	-0	0	3.2	3.6	0.4	0.0	6.8	6
13	41	9	-0	0	0	-0	0	3.2	3.4	0.4	0.0	6.6	6
14	41	1	-1	-0	0	0	-0	0.4	6.1	0.9	0.0	6.5	6
15	41	1	-0	-0	0	0	-0	0.2	0.8	0.4	0.0	1.0	6
16	41	1	-1	-0	0	0	-0	0.3	3.3	0.5	0.0	3.6	6
17	41	1	-1	-0	0	0	-0	0.3	3.6	0.5	0.0	3.9	6

ASTA NUM. 35 NI 262 NF 255 Lungh. 53.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	5510	-0	1	0	0	0	1169.9	2.5	0.5	0.0	1172.5	6	
1E	0	5524	-0	1	0	0	0	1172.8	2.5	0.5	0.0	1175.3	6	
1I	0	5513	-0	1	0	0	0	1170.5	3.5	0.5	0.0	1174.0	6	
1M	0	5521	-0	1	0	0	0	1172.1	3.5	0.5	0.0	1175.6	6	
2	0	6738	-4	3	0	1	2	1430.6	62.5	2.6	0.0	1493.1	6	
3	0	4107	-3	2	0	1	1	872.0	39.4	1.7	0.0	911.4	6	
4	0	3951	-3	2	0	1	1	838.9	39.4	1.6	0.0	878.3	6	
5	0	4277	-3	2	0	1	1	908.1	39.3	1.7	0.0	947.4	6	
6	0	9455	-1	1	0	0	0	2007.4	14.5	0.8	0.0	2021.9	6	
7	0	5747	-1	1	0	0	0	1220.2	9.5	0.5	0.0	1229.7	6	
8	0	5614	-1	1	0	0	0	1191.9	9.5	0.5	0.0	1201.4	6	
9	0	6004	-1	1	0	0	0	1274.7	9.3	0.5	0.0	1284.0	6	
10	0	6901	-4	3	0	1	2	1465.2	62.5	2.6	0.0	1527.7	6	
11	0	4209	-3	2	0	1	1	893.6	39.4	1.7	0.0	933.1	6	
12	0	4007	-3	2	0	1	1	850.7	39.5	1.6	0.0	890.3	6	
13	0	4379	-3	2	0	1	1	929.7	39.4	1.7	0.0	969.1	6	
14	0	9455	-1	1	0	0	0	2007.4	15.6	0.8	0.0	2023.0	6	
15	0	5748	-1	1	0	0	0	1220.4	9.8	0.5	0.0	1230.1	6	
16	0	5540	-1	1	0	0	0	1176.2	9.7	0.5	0.0	1186.0	6	
17	0	6006	-1	1	0	0	0	1275.2	9.5	0.5	0.0	1284.7	6	
1A	27	5511	-1	1	0	-0	-0	1170.1	5.3	0.5	0.0	1175.5	1	
1E	27	5525	-1	1	0	-0	-0	1173.0	5.3	0.5	0.0	1178.3	1	
1I	27	5514	-1	1	0	-0	-0	1170.7	4.9	0.6	0.0	1175.7	1	
1M	27	5522	-1	1	0	-0	-0	1172.4	4.9	0.6	0.0	1177.3	1	
2	27	6739	-7	5	0	0	0	1430.7	10.5	4.2	0.0	1441.1	6	
3	27	4108	-4	3	0	0	0	872.1	6.7	2.6	0.0	878.8	6	
4	27	3951	-4	3	0	0	0	838.9	6.9	2.6	0.0	845.8	6	
5	27	4277	-4	3	0	0	0	908.1	6.5	2.6	0.0	914.6	6	
6	27	9456	-2	2	0	-0	-0	2007.6	5.3	1.5	0.0	2013.0	1	
7	27	5748	-2	1	0	-0	-0	1220.4	3.2	0.9	0.0	1223.6	1	
8	27	5615	-2	1	0	-0	-0	1192.1	3.1	0.9	0.0	1195.3	1	
9	27	6005	-2	1	0	-0	-0	1274.9	3.3	1.0	0.0	1278.2	1	
10	27	6901	-7	5	0	0	0	1465.2	10.4	4.2	0.0	1475.6	6	
11	27	4209	-4	3	0	0	0	893.6	6.7	2.6	0.0	900.4	6	
12	27	4007	-4	3	0	0	0	850.7	7.0	2.6	0.0	857.7	6	
13	27	4379	-4	3	0	0	0	929.7	6.5	2.6	0.0	936.2	6	
14	27	9456	-2	2	0	-0	-0	2007.6	5.1	1.5	0.0	2012.7	1	
15	27	5748	-2	1	0	-0	-0	1220.5	3.1	0.9	0.0	1223.6	1	
16	27	5541	-2	1	0	-0	-0	1176.4	2.9	0.9	0.0	1179.3	1	
17	27	6006	-2	1	0	-0	-0	1275.3	3.2	1.0	0.0	1278.5	1	
1A	54	5512	-1	1	0	-0	-0	1170.3	14.0	0.8	0.0	1184.4	6	
1E	54	5526	-1	1	0	-0	-0	1173.2	14.0	0.8	0.0	1187.2	6	
1I	54	5515	-1	1	0	-0	-0	1171.0	14.2	0.8	0.0	1185.2	6	
1M	54	5523	-1	1	0	-0	-0	1172.6	14.2	0.8	0.0	1186.8	6	
2	54	6739	-9	7	0	-1	-2	1430.8	64.9	5.7	0.0	1495.7	6	
3	54	4108	-6	4	0	-1	-1	872.2	40.5	3.6	0.0	912.6	6	
4	54	3951	-6	4	0	-1	-1	838.9	40.1	3.5	0.0	879.0	6	
5	54	4277	-6	4	0	-1	-1	908.1	40.8	3.6	0.0	948.9	6	
6	54	9457	-4	2	0	-1	-1	2007.9	31.2	2.2	0.0	2039.0	6	
7	54	5749	-2	1	0	-0	-1	1220.6	19.4	1.4	0.0	1240.0	6	
8	54	5616	-2	1	0	-0	-1	1192.4	19.0	1.3	0.0	1211.4	6	
9	54	6006	-2	1	0	-0	-1	1275.2	19.8	1.4	0.0	1295.0	6	
10	54	6901	-9	7	0	-1	-2	1465.2	64.9	5.7	0.0	1530.1	6	
11	54	4209	-6	4	0	-1	-1	893.6	40.5	3.6	0.0	934.1	6	
12	54	4007	-6	4	0	-1	-1	850.7	40.1	3.5	0.0	890.8	6	
13	54	4379	-6	4	0	-1	-1	929.7	40.9	3.6	0.0	970.6	6	
14	54	9457	-4	2	0	-1	-1	2007.9	31.5	2.2	0.0	2039.4	6	
15	54	5749	-2	1	0	-0	-1	1220.6	19.2	1.4	0.0	1239.8	6	
16	54	5542	-2	1	0	-0	-1	1176.6	18.8	1.3	0.0	1195.4	6	
17	54	6007	-2	1	0	-0	-1	1275.4	19.7	1.4	0.0	1295.1	6	

ASTA NUM. 36 NI 147 NF 262 Lungh. 60.4 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m			daN/cmq					
1A	0	5504	1	-1	0	-1	-0	1168.7	18.7	0.6	0.0	1187.3	1	
1E	0	5514	1	-1	0	-1	-0	1170.6	18.7	0.6	0.0	1189.3	1	
1I	0	5505	1	-1	0	-1	-0	1168.9	17.3	0.5	0.0	1186.1	1	
1M	0	5513	1	-1	0	-1	-0	1170.4	17.3	0.5	0.0	1187.7	1	
2	0	6732	9	-7	0	-2	-2	1429.3	77.1	5.5	0.0	1506.4	6	
3	0	4104	6	-4	0	-1	-1	871.3	47.6	3.4	0.0	918.9	6	
4	0	3947	6	-4	0	-1	-1	838.0	47.7	3.4	0.0	885.7	6	
5	0	4273	6	-4	0	-1	-1	907.2	47.4	3.4	0.0	954.6	6	
6	0	9445	3	-3	0	-1	-1	2005.3	42.1	2.0	0.0	2047.4	1	
7	0	5741	2	-2	0	-1	-1	1218.9	25.0	1.3	0.0	1243.9	1	
8	0	5608	2	-2	0	-1	-1	1190.7	25.3	1.3	0.0	1216.0	1	
9	0	5999	2	-2	0	-1	-1	1273.7	25.6	1.2	0.0	1299.3	1	
10	0	6896	9	-7	0	-2	-2	1464.1	77.3	5.5	0.0	1541.4	6	
11	0	4206	6	-4	0	-1	-1	893.0	47.6	3.4	0.0	940.6	6	
12	0	4003	6	-4	0	-1	-1	849.9	47.7	3.4	0.0	897.6	6	
13	0	4376	6	-4	0	-1	-1	929.1	47.5	3.4	0.0	976.5	6	
14	0	9445	3	-3	0	-1	-1	2005.3	42.1	2.1	0.0	2047.4	1	
15	0	5742	2	-2	0	-1	-1	1219.1	24.6	1.3	0.0	1243.7	1	
16	0	5534	2	-2	0	-1	-1	1174.9	24.7	1.3	0.0	1199.7	1	
17	0	6000	2	-2	0	-1	-1	1273.9	25.1	1.3	0.0	1299.0	1	
1A	30	5505	0	-1	0	-0	-0	1168.9	9.3	0.5	0.0	1178.2	1	
1E	30	5515	0	-1	0	-0	-0	1170.8	9.3	0.5	0.0	1180.2	1	
1I	30	5506	0	-1	0	-0	-0	1169.1	9.0	0.5	0.0	1178.1	1	
1M	30	5514	0	-1	0	-0	-0	1170.6	9.0	0.5	0.0	1179.6	1	
2	30	6732	6	-5	0	-0	0	1429.4	5.4	3.8	0.0	1434.8	6	
3	30	4104	4	-3	0	-0	0	871.3	3.6	2.4	0.0	874.9	6	
4	30	3947	4	-3	0	-0	0	838.0	3.5	2.4	0.0	841.5	6	
5	30	4273	4	-3	0	-0	0	907.3	3.7	2.3	0.0	911.0	6	
6	30	9447	2	-2	0	-0	-0	2005.6	12.3	1.4	0.0	2017.9	1	

7	30	5742	1	-1	0	-0	-0	1219.1	6.8	0.9	0.0	1225.9	1
8	30	5609	1	-1	0	-0	-0	1190.9	7.0	0.9	0.0	1197.8	1
9	30	6000	1	-1	0	-0	-0	1273.8	7.3	0.9	0.0	1281.0	1
10	30	6896	6	-5	0	-0	0	1464.1	5.3	3.8	0.0	1469.5	6
11	30	4206	4	-3	0	-0	0	893.0	3.5	2.4	0.0	896.5	6
12	30	4003	4	-3	0	0	0	849.9	3.5	2.4	0.0	853.4	6
13	30	4376	4	-3	0	-0	0	929.1	3.6	2.3	0.0	932.7	6
14	30	9446	2	-2	0	-0	-0	2005.5	11.7	1.4	0.0	2017.2	1
15	30	5743	1	-1	0	-0	-0	1219.2	6.5	0.8	0.0	1225.7	1
16	30	5535	1	-1	0	-0	-0	1175.2	6.5	0.8	0.0	1181.7	1
17	30	6001	1	-1	0	-0	-0	1274.0	6.8	0.9	0.0	1280.8	1
1A	60	5506	-0	-1	0	-0	-0	1169.1	1.9	0.5	0.0	1171.0	6
1E	60	5516	-0	-1	0	-0	-0	1171.0	1.9	0.5	0.0	1173.0	6
1I	60	5507	-0	-1	0	-0	-0	1169.3	3.0	0.5	0.0	1172.3	6
1M	60	5515	-0	-1	0	-0	-0	1170.9	3.0	0.5	0.0	1173.9	6
2	60	6733	3	-3	0	1	2	1429.5	57.2	2.1	0.0	1486.7	6
3	60	4104	2	-2	0	1	1	871.3	36.1	1.3	0.0	907.4	6
4	60	3947	2	-2	0	1	1	838.0	36.2	1.3	0.0	874.3	6
5	60	4274	2	-2	0	1	1	907.4	36.0	1.3	0.0	943.4	6
6	60	9448	1	-2	0	0	0	2005.9	11.2	1.1	0.0	2017.1	6
7	60	5743	1	-1	0	0	0	1219.3	7.6	0.7	0.0	1226.9	6
8	60	5610	1	-1	0	0	0	1191.1	7.5	0.7	0.0	1198.6	6
9	60	6000	1	-1	0	0	0	1273.9	7.2	0.7	0.0	1281.1	6
10	60	6896	3	-3	0	1	2	1464.1	57.1	2.1	0.0	1521.2	6
11	60	4206	2	-2	0	1	1	893.0	36.1	1.3	0.0	929.1	6
12	60	4003	2	-2	0	1	1	849.9	36.3	1.3	0.0	886.2	6
13	60	4376	2	-2	0	1	1	929.1	36.0	1.3	0.0	965.1	6
14	60	9447	1	-2	0	0	0	2005.7	12.3	1.1	0.0	2018.0	6
15	60	5743	1	-1	0	0	0	1219.3	7.8	0.7	0.0	1227.1	6
16	60	5536	1	-1	0	0	0	1175.4	7.9	0.7	0.0	1183.3	6
17	60	6001	1	-1	0	0	0	1274.1	7.5	0.7	0.0	1281.6	6

ASTA NUM. 37 NI 263 NF 257 Lungh. 53.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	5254	0	-1	0	-0	-0	1115.4	4.9	0.4	0.0	1120.3	6	
1E	0	5264	0	-1	0	-0	-0	1117.7	4.9	0.4	0.0	1122.5	6	
1I	0	5256	0	-1	0	-0	-0	1115.8	4.4	0.5	0.0	1120.2	6	
1M	0	5262	0	-1	0	-0	-0	1117.3	4.4	0.5	0.0	1121.7	6	
2	0	6720	-2	-3	0	-1	1	1426.8	37.4	1.5	0.0	1464.2	6	
3	0	4304	-2	-2	0	-1	1	913.8	23.4	1.0	0.0	937.2	6	
4	0	4461	-2	-2	0	-1	1	947.1	23.6	1.0	0.0	970.7	6	
5	0	4134	-2	-2	0	-1	1	877.7	23.6	1.0	0.0	901.3	6	
6	0	9025	-0	-2	0	-0	-0	1916.1	10.1	1.0	0.0	1926.2	1	
7	0	5803	-0	-1	0	-0	-0	1232.1	6.4	0.6	0.0	1238.4	1	
8	0	5936	-0	-1	0	-0	-0	1260.3	6.3	0.6	0.0	1266.6	1	
9	0	5545	-0	-1	0	-0	-0	1177.3	6.3	0.6	0.0	1183.6	1	
10	0	6557	-2	-3	0	-1	1	1392.1	37.5	1.5	0.0	1429.7	6	
11	0	4202	-2	-2	0	-1	1	892.1	23.5	1.0	0.0	915.7	6	
12	0	4405	-2	-2	0	-1	1	935.2	23.6	1.0	0.0	958.9	6	
13	0	4032	-2	-2	0	-1	1	856.1	23.7	1.0	0.0	879.8	6	
14	0	9025	-0	-2	0	-0	-0	1916.1	10.5	1.1	0.0	1926.6	1	
15	0	5803	-0	-1	0	-0	-0	1232.1	6.4	0.6	0.0	1238.5	1	
16	0	6010	-0	-1	0	-0	-0	1276.0	6.3	0.6	0.0	1282.3	1	
17	0	5545	-0	-1	0	-0	-0	1177.3	6.4	0.6	0.0	1183.6	1	
1A	27	5255	-0	-1	0	0	-0	1115.7	5.6	0.4	0.0	1121.2	6	
1E	27	5265	-0	-1	0	0	-0	1117.9	5.6	0.4	0.0	1123.5	6	
1I	27	5257	-0	-1	0	0	-0	1116.0	5.6	0.5	0.0	1121.6	6	
1M	27	5263	-0	-1	0	0	-0	1117.5	5.6	0.5	0.0	1123.1	6	
2	27	6721	-5	-4	0	-0	-0	1426.9	1.7	3.0	0.0	1428.5	1	
3	27	4304	-3	-3	0	-0	-0	913.8	1.1	1.9	0.0	914.9	1	
4	27	4461	-3	-3	0	-0	-0	947.1	1.0	1.9	0.0	948.2	1	
5	27	4135	-3	-3	0	-0	0	877.8	1.1	1.9	0.0	878.9	1	
6	27	9026	-1	-2	0	0	-0	1916.3	8.0	1.3	0.0	1924.3	6	
7	27	5803	-1	-1	0	0	-0	1232.2	5.2	0.8	0.0	1237.3	6	
8	27	5936	-1	-1	0	0	-0	1260.4	5.3	0.8	0.0	1265.7	6	
9	27	5546	-1	-1	0	0	-0	1177.5	4.8	0.8	0.0	1182.3	6	
10	27	6558	-5	-4	0	-0	0	1392.3	1.9	3.0	0.0	1394.2	1	
11	27	4203	-3	-3	0	-0	0	892.3	1.2	1.9	0.0	893.4	1	
12	27	4406	-3	-3	0	-0	-0	935.4	1.1	1.9	0.0	936.4	1	
13	27	4032	-3	-3	0	-0	0	856.2	1.3	1.9	0.0	857.5	1	
14	27	9026	-1	-2	0	0	-0	1916.3	7.5	1.3	0.0	1923.9	6	
15	27	5803	-1	-1	0	0	-0	1232.2	5.0	0.8	0.0	1237.1	6	
16	27	6011	-1	-1	0	0	-0	1276.2	5.2	0.8	0.0	1281.4	6	
17	27	5545	-1	-1	0	0	-0	1177.4	4.6	0.8	0.0	1182.0	6	
1A	54	5256	-1	-1	0	0	-0	1115.9	11.5	0.4	0.0	1127.3	1	
1E	54	5266	-1	-1	0	0	-0	1118.1	11.5	0.4	0.0	1129.6	1	
1I	54	5258	-1	-1	0	0	-0	1116.3	12.1	0.5	0.0	1128.4	1	
1M	54	5264	-1	-1	0	0	-0	1117.7	12.1	0.5	0.0	1129.8	1	
2	54	6721	-7	-6	0	1	-2	1427.0	59.7	4.5	0.0	1486.6	6	
3	54	4304	-5	-4	0	1	-1	913.8	37.6	2.9	0.0	951.4	6	
4	54	4461	-5	-4	0	1	-1	947.1	38.0	2.9	0.0	985.2	6	
5	54	4135	-5	-4	0	1	-1	877.9	37.3	2.8	0.0	915.2	6	
6	54	9027	-2	-3	0	1	-1	1916.6	28.7	1.5	0.0	1945.3	1	
7	54	5804	-1	-2	0	0	-0	1232.3	18.2	1.0	0.0	1250.5	1	
8	54	5937	-2	-2	0	0	-0	1260.5	18.5	1.0	0.0	1279.0	1	
9	54	5547	-1	-2	0	0	-0	1177.7	17.9	1.0	0.0	1195.6	1	
10	54	6558	-7	-6	0	1	-2	1392.4	59.0	4.5	0.0	1451.3	6	
11	54	4203	-5	-4	0	1	-1	892.4	37.2	2.8	0.0	929.5	6	
12	54	4406	-5	-4	0	1	-1	935.5	37.7	2.9	0.0	973.1	6	
13	54	4033	-5	-4	0	1	-1	856.3	36.8	2.8	0.0	893.1	6	
14	54	9027	-2	-3	0	1	-1	1916.6	29.2	1.6	0.0	1945.8	1	
15	54	5804	-1	-2	0	0	-0	1232.3	18.1	1.0	0.0	1250.4	1	
16	54	6012	-2	-2	0	0	-0	1276.4	18.5	1.0	0.0	1294.9	1	
17	54	5546	-1	-2	0	0	-0	1177.5	17.8	1.0	0.0	1195.3	1	

ASTA NUM. 38 NI 146 NF 263 Lungh. 60.4 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	5245	1	1	0	1	-0	1113.7	18.2	0.7	0.0	1131.9	1	
1E	0	5255	1	1	0	1	-0	1115.6	18.2	0.7	0.0	1133.8	1	
1I	0	5246	1	1	0	1	-0	1113.9	18.4	0.7	0.0	1132.3	1	
1M	0	5254	1	1	0	1	-0	1115.4	18.4	0.7	0.0	1133.8	1	
2	0	6713	7	6	0	1	-2	1425.3	59.3	4.3	0.0	1484.5	6	
3	0	4300	4	4	0	1	-1	913.0	36.6	2.6	0.0	949.5	6	
4	0	4456	4	4	0	1	-1	946.1	36.0	2.6	0.0	982.0	6	
5	0	4130	4	4	0	1	-1	876.9	36.6	2.7	0.0	913.4	6	
6	0	9014	2	3	0	1	-1	1913.8	37.1	1.7	0.0	1950.9	1	
7	0	5796	1	2	0	1	-0	1230.6	22.9	1.1	0.0	1253.5	1	
8	0	5929	1	2	0	1	-0	1258.8	22.4	1.0	0.0	1281.2	1	
9	0	5539	2	2	0	1	-0	1176.0	22.5	1.0	0.0	1198.5	1	
10	0	6550	7	6	0	1	-2	1390.7	59.7	4.3	0.0	1450.4	6	
11	0	4198	4	4	0	1	-1	891.3	36.8	2.7	0.0	928.1	6	
12	0	4401	4	4	0	1	-1	934.4	36.3	2.6	0.0	970.7	6	
13	0	4028	4	4	0	1	-1	855.2	36.7	2.7	0.0	891.9	6	
14	0	9014	2	3	0	1	-1	1913.8	37.0	1.7	0.0	1950.8	1	
15	0	5796	1	2	0	1	-0	1230.6	22.5	1.0	0.0	1253.0	1	
16	0	6004	1	2	0	1	-0	1274.7	22.1	1.0	0.0	1296.8	1	
17	0	5538	2	2	0	1	-0	1175.8	22.0	1.0	0.0	1197.8	1	
1A	30	5246	0	1	0	0	-0	1113.9	7.5	0.7	0.0	1121.4	1	
1E	30	5256	0	1	0	0	-0	1115.8	7.5	0.7	0.0	1123.4	1	
1I	30	5247	0	1	0	0	-0	1114.1	7.7	0.7	0.0	1121.8	1	
1M	30	5255	0	1	0	0	-0	1115.6	7.7	0.7	0.0	1123.4	1	
2	30	6713	4	4	0	-0	0	1425.3	2.5	2.5	0.0	1427.7	6	
3	30	4300	3	2	0	-0	0	913.0	1.8	1.6	0.0	914.7	6	
4	30	4456	3	2	0	-0	0	946.2	2.2	1.6	0.0	948.3	6	
5	30	4130	3	2	0	-0	0	876.9	1.9	1.6	0.0	878.8	6	
6	30	9016	1	2	0	0	-0	1914.1	10.5	1.4	0.0	1924.6	1	
7	30	5797	1	1	0	0	-0	1230.7	6.3	0.9	0.0	1237.0	1	
8	30	5930	1	1	0	0	-0	1259.0	6.1	0.9	0.0	1265.1	1	
9	30	5540	1	1	0	0	-0	1176.1	6.1	0.9	0.0	1182.2	1	
10	30	6550	4	4	0	-0	0	1390.8	2.3	2.6	0.0	1393.1	6	
11	30	4198	3	2	0	-0	0	891.3	1.7	1.6	0.0	893.0	6	
12	30	4401	3	2	0	-0	0	934.4	2.0	1.6	0.0	936.4	6	
13	30	4028	3	2	0	-0	0	855.2	1.9	1.6	0.0	857.1	6	
14	30	9015	1	2	0	0	-0	1914.0	9.9	1.4	0.0	1924.0	1	
15	30	5797	1	1	0	0	-0	1230.8	6.1	0.9	0.0	1236.8	1	
16	30	6005	1	1	0	0	-0	1274.8	5.9	0.8	0.0	1280.8	1	
17	30	5539	1	1	0	0	-0	1175.9	5.8	0.8	0.0	1181.7	1	
1A	60	5247	-0	1	0	-0	-0	1114.1	7.2	0.7	0.0	1121.3	6	
1E	60	5257	-0	1	0	-0	-0	1116.0	7.2	0.7	0.0	1123.2	6	
1I	60	5248	-0	1	0	-0	-0	1114.3	7.7	0.7	0.0	1122.0	6	
1M	60	5256	-0	1	0	-0	-0	1115.9	7.7	0.7	0.0	1123.6	6	
2	60	6713	1	2	0	-1	1	1425.3	34.7	1.2	0.0	1460.0	6	
3	60	4300	1	1	0	-1	1	913.0	21.7	0.8	0.0	934.7	6	
4	60	4457	1	1	0	-1	1	946.3	21.9	0.7	0.0	968.1	6	
5	60	4130	1	1	0	-1	1	876.9	22.0	0.7	0.0	898.8	6	
6	60	9017	-0	2	0	-0	-0	1914.4	9.3	1.1	0.0	1923.8	1	
7	60	5797	-0	1	0	-0	-0	1230.8	5.9	0.7	0.0	1236.7	1	
8	60	5931	-0	1	0	-0	-0	1259.2	5.8	0.7	0.0	1265.1	1	
9	60	5540	-0	1	0	-0	-0	1176.2	5.8	0.7	0.0	1182.1	1	
10	60	6551	1	2	0	-1	1	1390.9	34.8	1.2	0.0	1425.7	6	
11	60	4198	1	1	0	-1	1	891.3	21.8	0.8	0.0	913.1	6	
12	60	4401	1	1	0	-1	1	934.4	21.9	0.7	0.0	956.3	6	
13	60	4028	1	1	0	-1	1	855.2	22.1	0.7	0.0	877.3	6	

14	60	9016	-0	2	0	-0	-0	1914.2	9.6	1.1	0.0	1923.9	1
15	60	5798	-0	1	0	-0	-0	1231.0	5.9	0.7	0.0	1236.9	1
16	60	6005	-0	1	0	-0	-0	1274.9	5.8	0.7	0.0	1280.8	1
17	60	5539	-0	1	0	-0	-0	1176.0	5.8	0.6	0.0	1181.9	1

ASTA NUM. 39 NI 265 NF 246 Lungh. 55.9 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	5259	-0	0	0	0	0	1116.7	5.6	0.1	0.0	1122.3	6	
1E	0	5273	-0	0	0	0	0	1119.4	5.6	0.1	0.0	1125.1	6	
1I	0	5263	-0	0	0	0	0	1117.3	6.3	0.1	0.0	1123.6	6	
1M	0	5269	-0	0	0	0	0	1118.8	6.3	0.1	0.0	1125.1	6	
2	0	6725	-2	-1	0	-1	1	1427.8	50.3	0.9	0.0	1478.1	6	
3	0	4307	-1	-0	0	-1	1	914.4	31.4	0.6	0.0	945.8	6	
4	0	4463	-1	-0	0	-1	1	947.6	31.2	0.5	0.0	978.8	6	
5	0	4137	-1	-0	0	-1	1	878.3	31.4	0.6	0.0	909.8	6	
6	0	9034	-1	0	0	-0	1	1918.0	14.3	0.3	0.0	1932.3	6	
7	0	5808	-0	0	0	-0	0	1233.1	8.8	0.2	0.0	1241.9	6	
8	0	5941	-0	0	0	-0	0	1261.4	8.7	0.1	0.0	1270.1	6	
9	0	5551	-0	0	0	-0	0	1178.6	8.9	0.2	0.0	1187.5	6	
10	0	6562	-2	-1	0	-1	2	1393.2	50.7	1.0	0.0	1443.9	6	
11	0	4205	-1	-0	0	-1	1	892.8	31.6	0.6	0.0	924.3	6	
12	0	4408	-1	-0	0	-1	1	935.9	31.4	0.6	0.0	967.3	6	
13	0	4035	-1	-0	0	-1	1	856.7	31.6	0.6	0.0	888.3	6	
14	0	9035	-1	0	0	-0	1	1918.3	15.1	0.3	0.0	1933.3	6	
15	0	5808	-0	0	0	-0	0	1233.1	9.0	0.2	0.0	1242.1	6	
16	0	6016	-0	0	0	-0	0	1277.3	8.8	0.1	0.0	1286.1	6	
17	0	5551	-0	0	0	-0	0	1178.6	9.1	0.2	0.0	1187.6	6	
1A	28	5260	-1	0	0	0	0	1116.9	2.3	0.4	0.0	1119.2	1	
1E	28	5274	-1	0	0	0	0	1119.6	2.3	0.4	0.0	1122.0	1	
1I	28	5264	-1	0	0	0	0	1117.5	2.4	0.4	0.0	1119.9	1	
1M	28	5270	-1	0	0	0	0	1119.0	2.4	0.4	0.0	1121.4	1	
2	28	6725	-4	-2	0	-0	1	1427.8	23.8	2.5	0.0	1451.7	6	
3	28	4307	-3	-2	0	-0	0	914.4	15.1	1.6	0.0	929.5	6	
4	28	4464	-2	-2	0	-0	0	947.7	15.3	1.5	0.0	962.9	6	
5	28	4138	-3	-2	0	-0	0	878.5	14.8	1.6	0.0	893.2	6	
6	28	9035	-2	-0	0	-0	0	1918.3	5.8	1.0	0.0	1924.1	6	
7	28	5808	-1	-0	0	-0	0	1233.2	3.9	0.6	0.0	1237.1	6	
8	28	5942	-1	-0	0	-0	0	1261.6	4.1	0.6	0.0	1265.6	6	
9	28	5552	-1	-0	0	-0	0	1178.8	3.5	0.7	0.0	1182.3	6	
10	28	6563	-4	-2	0	-0	1	1393.3	23.6	2.6	0.0	1416.9	6	
11	28	4206	-3	-2	0	-0	0	892.9	14.9	1.6	0.0	907.8	6	
12	28	4408	-3	-2	0	-0	0	935.9	15.2	1.5	0.0	951.1	6	
13	28	4036	-3	-1	0	-0	0	856.8	14.6	1.6	0.0	871.4	6	
14	28	9036	-2	-0	0	-0	0	1918.5	6.1	1.1	0.0	1924.6	6	
15	28	5809	-1	-0	0	-0	0	1233.3	3.9	0.6	0.0	1237.2	6	
16	28	6016	-1	-0	0	-0	0	1277.4	4.2	0.6	0.0	1281.6	6	
17	28	5551	-1	-0	0	-0	0	1178.7	3.5	0.7	0.0	1182.2	6	
1A	56	5261	-1	0	0	0	-0	1117.1	5.2	0.7	0.0	1122.3	6	
1E	56	5275	-1	0	0	0	-0	1119.9	5.2	0.7	0.0	1125.0	6	
1I	56	5265	-1	0	0	-0	-0	1117.7	5.4	0.7	0.0	1123.2	6	
1M	56	5271	-1	0	0	-0	-0	1119.2	5.4	0.7	0.0	1124.6	6	
2	56	6725	-7	-4	0	1	-1	1427.8	27.9	4.1	0.0	1455.7	6	
3	56	4307	-4	-3	0	0	-0	914.4	17.0	2.5	0.0	931.5	6	
4	56	4464	-4	-3	0	0	-0	947.8	16.5	2.5	0.0	964.2	6	
5	56	4138	-4	-3	0	0	-1	878.6	17.7	2.6	0.0	896.2	6	
6	56	9036	-3	-1	0	0	-0	1918.5	12.7	1.7	0.0	1931.2	6	
7	56	5809	-2	-0	0	0	-0	1233.3	7.4	1.0	0.0	1240.7	6	
8	56	5943	-2	-1	0	0	-0	1261.8	6.9	1.0	0.0	1268.7	6	
9	56	5553	-2	-0	0	0	-0	1179.0	8.3	1.1	0.0	1187.3	6	
10	56	6563	-7	-4	0	1	-1	1393.4	28.7	4.2	0.0	1422.1	6	
11	56	4206	-4	-3	0	0	-1	893.0	17.5	2.6	0.0	910.5	6	
12	56	4408	-4	-3	0	0	-0	935.9	16.8	2.5	0.0	952.7	6	
13	56	4036	-4	-3	0	0	-1	856.9	18.1	2.6	0.0	875.0	6	
14	56	9037	-3	-1	0	0	-0	1918.7	13.3	1.8	0.0	1932.0	6	
15	56	5810	-2	-0	0	0	-0	1233.5	7.5	1.0	0.0	1241.0	6	
16	56	6017	-2	-1	0	0	-0	1277.5	6.7	1.0	0.0	1284.2	6	
17	56	5552	-2	-0	0	0	-0	1178.8	8.4	1.1	0.0	1187.2	6	

ASTA NUM. 40 NI 257 NF 265 Lungh. 59.2 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	5256	1	1	0	0	-0	1115.9	14.6	0.6	0.0	1130.5	1	
1E	0	5266	1	1	0	0	-0	1118.1	14.6	0.6	0.0	1132.8	1	
1I	0	5258	1	1	0	0	-0	1116.3	14.0	0.6	0.0	1130.3	1	
1M	0	5264	1	1	0	0	-0	1117.7	14.0	0.6	0.0	1131.7	1	
2	0	6722	8	6	0	1	-2	1427.2	61.1	5.1	0.0	1488.3	6	
3	0	4305	5	4	0	1	-1	914.0	38.5	3.2	0.0	952.5	6	
4	0	4462	5	4	0	1	-1	947.3	38.9	3.2	0.0	986.3	6	
5	0	4136	5	4	0	1	-1	878.1	38.1	3.2	0.0	916.2	6	
6	0	9028	3	2	0	1	-1	1916.8	30.3	2.1	0.0	1947.1	1	
7	0	5804	2	1	0	1	-0	1232.3	19.2	1.3	0.0	1251.5	1	
8	0	5938	2	1	0	1	-1	1260.7	19.5	1.3	0.0	1280.2	1	
9	0	5547	2	1	0	1	-0	1177.7	18.9	1.3	0.0	1196.6	1	
10	0	6560	8	6	0	1	-2	1392.8	60.3	5.1	0.0	1453.1	6	
11	0	4204	5	4	0	1	-1	892.6	37.9	3.2	0.0	930.5	6	
12	0	4407	5	4	0	1	-1	935.7	38.5	3.2	0.0	974.2	6	
13	0	4034	5	4	0	1	-1	856.5	37.6	3.2	0.0	894.1	6	
14	0	9028	4	2	0	1	-1	1916.8	30.7	2.2	0.0	1947.4	1	
15	0	5805	2	1	0	1	-0	1232.5	19.0	1.3	0.0	1251.5	1	
16	0	6012	2	1	0	1	-0	1276.4	19.4	1.3	0.0	1295.8	1	
17	0	5546	2	1	0	1	-0	1177.5	18.7	1.3	0.0	1196.2	1	
1A	30	5257	1	1	0	0	0	1116.1	7.2	0.4	0.0	1123.2	1	
1E	30	5267	1	1	0	0	0	1118.3	7.2	0.4	0.0	1125.5	1	
1I	30	5259	0	1	0	0	0	1116.5	6.8	0.4	0.0	1123.3	1	
1M	30	5265	0	1	0	0	0	1117.9	6.8	0.4	0.0	1124.7	1	
2	30	6722	6	4	0	-0	0	1427.3	10.4	3.4	0.0	1437.7	6	
3	30	4306	3	2	0	-0	0	914.1	6.3	2.1	0.0	920.5	6	
4	30	4463	3	2	0	-0	0	947.5	6.1	2.1	0.0	953.5	6	
5	30	4136	3	2	0	-0	0	878.1	6.6	2.1	0.0	884.7	6	
6	30	9029	2	1	0	0	0	1917.0	9.5	1.4	0.0	1926.5	1	
7	30	5805	1	1	0	0	0	1232.5	5.8	0.9	0.0	1238.3	1	
8	30	5939	1	1	0	0	0	1260.8	5.7	0.9	0.0	1266.5	1	
9	30	5548	1	1	0	0	0	1177.9	6.1	0.9	0.0	1184.0	1	
10	30	6560	6	4	0	-0	0	1392.8	11.0	3.4	0.0	1403.8	6	
11	30	4204	3	2	0	-0	0	892.6	6.7	2.1	0.0	899.3	6	
12	30	4407	3	2	0	-0	0	935.7	6.3	2.1	0.0	942.0	6	
13	30	4034	3	2	0	-0	0	856.5	6.9	2.1	0.0	863.4	6	
14	30	9029	2	2	0	0	0	1917.0	9.6	1.4	0.0	1926.6	1	
15	30	5806	1	1	0	0	0	1232.6	5.8	0.9	0.0	1238.3	1	
16	30	6013	1	1	0	0	0	1276.6	5.6	0.9	0.0	1282.2	1	
17	30	5547	1	1	0	0	0	1177.7	6.0	0.9	0.0	1183.7	1	
1A	59	5258	0	1	0	0	0	1116.3	3.7	0.4	0.0	1119.9	6	
1E	59	5268	0	1	0	0	0	1118.5	3.7	0.4	0.0	1122.2	6	
1I	59	5260	0	1	0	0	0	1116.7	3.1	0.4	0.0	1119.8	6	
1M	59	5266	0	1	0	0	0	1118.1	3.1	0.4	0.0	1121.2	6	
2	59	6723	3	2	0	-1	2	1427.4	53.6	1.7	0.0	1481.0	6	
3	59	4306	2	1	0	-1	1	914.2	33.4	1.1	0.0	947.6	6	
4	59	4463	2	1	0	-1	1	947.6	33.3	1.1	0.0	980.8	6	
5	59	4136	2	1	0	-1	1	878.1	33.5	1.1	0.0	911.6	6	
6	59	9030	1	1	0	-0	1	1917.2	16.3	0.6	0.0	1933.5	6	
7	59	5806	1	1	0	-0	0	1232.7	10.0	0.4	0.0	1242.7	6	
8	59	5939	1	1	0	-0	0	1260.9	9.9	0.4	0.0	1270.9	6	
9	59	5549	1	1	0	-0	0	1178.1	10.2	0.4	0.0	1188.3	6	
10	59	6560	3	2	0	-1	2	1392.8	53.9	1.7	0.0	1446.7	6	
11	59	4204	2	1	0	-1	1	892.6	33.6	1.1	0.0	926.1	6	
12	59	4407	2	1	0	-1	1	935.7	33.4	1.1	0.0	969.1	6	
13	59	4034	2	1	0	-1	1	856.5	33.7	1.1	0.0	890.1	6	
14	59	9030	1	1	0	-0	1	1917.2	17.0	0.6	0.0	1934.2	6	
15	59	5806	1	1	0	-0	0	1232.7	10.2	0.4	0.0	1242.9	6	
16	59	6014	1	1	0	-0	0	1276.9	10.0	0.4	0.0	1286.9	6	
17	59	5548	1	1	0	-0	0	1177.9	10.3	0.4	0.0	1188.2	6	

ASTA NUM. 41 NI 264 NF 246 Lungh. 55.9 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	5515	1	0	0	0	-0	1171.0	6.5	0.3	0.0	1177.5	1	
1E	0	5529	1	0	0	0	-0	1173.8	6.5	0.3	0.0	1180.3	1	
1I	0	5519	1	0	0	0	-0	1171.7	6.4	0.3	0.0	1178.0	1	
1M	0	5525	1	0	0	0	-0	1173.1	6.4	0.3	0.0	1179.5	1	
2	0	6742	1	-0	0	1	1	1431.4	30.6	0.5	0.0	1462.0	1	
3	0	4110	0	-0	0	1	0	872.6	19.0	0.3	0.0	891.6	1	
4	0	3953	0	-0	0	1	0	839.3	18.8	0.3	0.0	858.1	1	
5	0	4279	1	-0	0	1	0	908.5	19.2	0.3	0.0	927.7	1	
6	0	9461	1	0	0	0	-0	2008.7	11.5	0.6	0.0	2020.2	1	
7	0	5752	1	0	0	0	0	1221.2	6.8	0.3	0.0	1228.0	1	
8	0	5619	1	0	0	0	0	1193.0	6.6	0.3	0.0	1199.6	1	
9	0	6009	1	0	0	0	-0	1275.8	7.4	0.4	0.0	1283.2	1	

10	0	6905	1	-0	0	1	1	1466.0	31.1	0.6	0.0	1497.1	1
11	0	4211	1	-0	0	1	0	894.1	19.3	0.3	0.0	913.3	1
12	0	4009	0	-0	0	1	0	851.2	19.0	0.3	0.0	870.2	1
13	0	4381	1	-0	0	1	0	930.1	19.4	0.4	0.0	949.6	1
14	0	9462	1	1	0	0	0	2008.9	11.9	0.6	0.0	2020.8	1
15	0	5752	1	0	0	0	0	1221.2	7.0	0.4	0.0	1228.2	1
16	0	5545	1	0	0	0	0	1177.3	6.6	0.3	0.0	1183.9	1
17	0	6010	1	0	0	0	-0	1276.0	7.5	0.4	0.0	1283.5	1
1A	28	5516	0	0	0	0	-0	1171.2	1.8	0.3	0.0	1173.1	1
1E	28	5530	0	0	0	0	-0	1174.0	1.8	0.3	0.0	1175.8	1
1I	28	5520	0	0	0	0	-0	1171.9	1.9	0.3	0.0	1173.7	1
1M	28	5526	0	0	0	0	-0	1173.3	1.9	0.3	0.0	1175.2	1
2	28	6743	-2	2	0	1	1	1431.5	23.8	1.1	0.0	1455.3	6
3	28	4110	-1	1	0	0	0	872.6	14.7	0.7	0.0	887.3	6
4	28	3953	-1	1	0	0	0	839.3	14.6	0.7	0.0	853.9	1
5	28	4280	-1	1	0	0	0	908.6	14.9	0.7	0.0	923.5	6
6	28	9463	-0	1	0	0	0	2009.0	7.0	0.6	0.0	2016.0	1
7	28	5752	-0	1	0	0	0	1221.3	4.4	0.3	0.0	1225.7	1
8	28	5619	-0	0	0	0	0	1193.1	4.4	0.3	0.0	1197.5	1
9	28	6009	-0	1	0	0	0	1275.9	4.3	0.4	0.0	1280.2	1
10	28	6905	-2	2	0	1	1	1466.0	24.4	1.1	0.0	1490.4	6
11	28	4212	-1	1	0	0	0	894.2	15.1	0.7	0.0	909.2	6
12	28	4009	-1	1	0	0	0	851.2	14.8	0.7	0.0	865.9	6
13	28	4382	-1	1	0	0	0	930.3	15.3	0.7	0.0	945.6	6
14	28	9463	-0	1	0	0	0	2009.1	7.3	0.6	0.0	2016.4	1
15	28	5752	-0	1	0	0	0	1221.3	4.5	0.3	0.0	1225.8	1
16	28	5545	-0	0	0	0	0	1177.4	4.5	0.3	0.0	1181.9	1
17	28	6010	-0	1	0	0	0	1276.1	4.5	0.4	0.0	1280.6	1
1A	56	5517	-0	0	0	-0	-0	1171.4	2.5	0.3	0.0	1174.0	1
1E	56	5531	-0	0	0	-0	-0	1174.2	2.5	0.3	0.0	1176.7	1
1I	56	5521	-0	0	0	-0	-0	1172.1	2.3	0.3	0.0	1174.4	1
1M	56	5527	-0	0	0	-0	-0	1173.6	2.3	0.3	0.0	1175.8	1
2	56	6743	-4	4	0	-0	-0	1431.6	7.1	2.6	0.0	1438.8	6
3	56	4110	-3	2	0	-0	-0	872.6	4.8	1.7	0.0	877.4	6
4	56	3953	-3	2	0	-0	-0	839.3	5.4	1.7	0.0	844.6	6
5	56	4280	-3	2	0	-0	-0	908.7	4.2	1.6	0.0	912.9	6
6	56	9464	-1	1	0	-0	-0	2009.3	4.0	0.8	0.0	2013.4	1
7	56	5753	-1	1	0	-0	-0	1221.4	2.9	0.5	0.0	1224.3	6
8	56	5620	-1	1	0	-0	-0	1193.2	3.3	0.5	0.0	1196.6	6
9	56	6010	-1	1	0	-0	-0	1276.0	2.6	0.5	0.0	1278.6	1
10	56	6905	-4	4	0	-0	-0	1466.0	6.1	2.6	0.0	1472.1	6
11	56	4212	-3	2	0	-0	-0	894.3	4.2	1.6	0.0	898.4	6
12	56	4009	-3	2	0	-0	-0	851.2	4.9	1.7	0.0	856.1	6
13	56	4382	-3	2	0	-0	-0	930.4	3.7	1.6	0.0	934.0	1
14	56	9464	-1	1	0	-0	-0	2009.3	4.1	0.9	0.0	2013.5	1
15	56	5753	-1	1	0	-0	-0	1221.4	2.5	0.5	0.0	1223.9	6
16	56	5546	-1	1	0	-0	-0	1177.5	3.2	0.6	0.0	1180.7	6
17	56	6011	-1	1	0	-0	-0	1276.2	2.6	0.6	0.0	1278.8	1

ASTA NUM. 42 NI 255 NF 264 Lungh. 59.2 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	4.6149	1.1537	--	--	1.6518	7.4205 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	5512	1	-1	0	-0	-0	1170.3	10.2	0.5	0.0	1180.5	6	
1E	0	5526	1	-1	0	-0	-0	1173.2	10.2	0.5	0.0	1183.3	6	
1I	0	5515	1	-1	0	-0	-0	1171.0	10.3	0.5	0.0	1181.3	1	
1M	0	5523	1	-1	0	-0	-0	1172.5	10.3	0.5	0.0	1182.9	1	
2	0	6740	7	-6	0	-1	-2	1431.0	61.3	4.2	0.0	1492.3	6	
3	0	4109	4	-3	0	-1	-1	872.4	38.1	2.6	0.0	910.5	6	
4	0	3952	4	-3	0	-1	-1	839.1	37.8	2.6	0.0	876.9	6	
5	0	4278	4	-3	0	-1	-1	908.3	38.5	2.6	0.0	946.8	6	
6	0	9458	3	-2	0	-1	-1	2008.1	31.1	1.5	0.0	2039.2	6	
7	0	5749	2	-2	0	-0	-1	1220.6	19.2	1.0	0.0	1239.8	6	
8	0	5616	2	-2	0	-0	-1	1192.4	18.9	1.0	0.0	1211.2	6	
9	0	6006	2	-2	0	-0	-1	1275.2	19.8	1.0	0.0	1294.9	6	
10	0	6903	7	-6	0	-1	-2	1465.6	61.2	4.2	0.0	1526.8	6	
11	0	4211	4	-3	0	-1	-1	894.1	38.1	2.6	0.0	932.2	6	
12	0	4008	4	-3	0	-1	-1	851.0	37.7	2.6	0.0	888.7	6	
13	0	4380	4	-3	0	-1	-1	929.9	38.5	2.6	0.0	968.5	6	
14	0	9458	3	-3	0	-1	-1	2008.1	31.3	1.6	0.0	2039.3	6	
15	0	5750	2	-2	0	-0	-1	1220.8	19.0	1.0	0.0	1239.8	6	
16	0	5542	2	-2	0	-0	-1	1176.6	18.5	0.9	0.0	1195.2	6	
17	0	6007	2	-2	0	-0	-1	1275.4	19.6	1.0	0.0	1295.0	6	
1A	30	5513	0	-1	0	-0	-0	1170.6	4.9	0.5	0.0	1175.5	6	
1E	30	5527	0	-1	0	-0	-0	1173.4	4.9	0.5	0.0	1178.3	6	
1I	30	5516	0	-1	0	-0	-0	1171.2	5.0	0.5	0.0	1176.2	6	
1M	30	5524	0	-1	0	-0	-0	1172.8	5.0	0.5	0.0	1177.8	6	
2	30	6740	4	-4	0	0	-0	1431.1	4.3	2.5	0.0	1435.4	6	
3	30	4109	3	-2	0	0	-0	872.4	2.6	1.6	0.0	875.0	6	
4	30	3953	3	-2	0	0	-0	839.2	2.3	1.6	0.0	841.5	1	
5	30	4279	3	-2	0	0	-0	908.4	2.9	1.6	0.0	911.2	6	
6	30	9459	1	-2	0	-0	-0	2008.3	8.6	1.2	0.0	2016.9	6	
7	30	5750	1	-1	0	-0	-0	1220.8	5.3	0.8	0.0	1226.1	6	
8	30	5617	1	-1	0	-0	-0	1192.6	5.1	0.7	0.0	1197.6	6	
9	30	6007	1	-1	0	-0	-0	1275.4	5.6	0.8	0.0	1281.0	6	
10	30	6903	4	-4	0	0	-0	1465.7	4.5	2.5	0.0	1470.2	1	
11	30	4211	3	-2	0	0	-0	894.1	2.7	1.6	0.0	896.7	1	
12	30	4008	3	-2	0	0	-0	851.0	2.5	1.6	0.0	853.4	1	
13	30	4381	3	-2	0	0	-0	930.0	2.9	1.6	0.0	933.0	6	
14	30	9459	1	-2	0	-0	-0	2008.3	8.2	1.3	0.0	2016.5	6	
15	30	5751	1	-1	0	-0	-0	1220.9	5.1	0.8	0.0	1226.0	6	
16	30	5543	1	-1	0	-0	-0	1176.9	4.7	0.7	0.0	1181.6	6	
17	30	6008	1	-1	0	-0	-0	1275.6	5.4	0.8	0.0	1281.0	6	
1A	59	5514	-0	-1	0	0	-0	1170.8	7.8	0.5	0.0	1178.6	6	
1E	59	5528	-0	-1	0	0	-0	1173.6	7.8	0.5	0.0	1181.4	6	
1I	59	5517	-0	-1	0	0	-0	1171.4	8.1	0.5	0.0	1179.5	6	
1M	59	5525	-0	-1	0	0	-0	1173.0	8.1	0.5	0.0	1181.1	6	
2	59	6741	1	-2	0	1	1	1431.2	31.9	1.0	0.0	1463.1	1	
3	59	4109	1	-1	0	1	0	872.4	19.8	0.6	0.0	892.2	1	
4	59	3953	1	-1	0	1	0	839.3	19.6	0.6	0.0	858.9	1	
5	59	4279	1	-1	0	1	0	908.5	19.9	0.6	0.0	928.4	1	
6	59	9460	0	-2	0	1	-0	2008.5	15.0	0.9	0.0	2023.5	1	
7	59	5751	0	-1	0	0	-0	1221.0	9.1	0.6	0.0	1230.1	1	
8	59	5618	0	-1	0	0	-0	1192.8	8.8	0.6	0.0	1201.6	1	
9	59	6008	0	-1	0	0	-0	1275.6	9.6	0.6	0.0	1285.2	1	
10	59	6904	1	-2	0	1	1	1465.8	32.3	1.0	0.0	1498.1	1	
11	59	4211	1	-1	0	1	0	894.1	20.1	0.6	0.0	914.1	1	
12	59	4008	1	-1	0	1	0	851.0	19.8	0.6	0.0	870.8	1	
13	59	4381	1	-1	0	1	0	930.1	20.2	0.6	0.0	950.4	1	
14	59	9460	0	-2	0	1	-0	2008.5	15.5	1.0	0.0	2024.0	1	
15	59	5751	0	-1	0	0	-0	1221.0	9.2	0.6	0.0	1230.2	1	
16	59	5544	0	-1	0	0	-0	1177.1	8.8	0.6	0.0	1185.8	1	
17	59	6009	0	-1	0	0	-0	1275.8	9.7	0.6	0.0	1285.5	1	

ASTA NUM. 43 NI 200 NF 262 Lungh. 75.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1189	0.2797	--	--	1.4679	2.8665 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3	1	0	0	0	-0	1.2	5.2	0.6	0.0	6.4	1	
1E	0	6	1	0	0	0	-0	2.2	5.2	0.6	0.0	7.4	1	
1I	0	4	1	0	0	0	-0	1.5	5.3	0.6	0.0	6.9	1	
1M	0	5	1	0	0	0	-0	1.9	5.3	0.6	0.0	7.3	1	
2	0	7	2	2	0	0	-0	2.8	15.9	2.6	0.0	18.7	1	
3	0	5	1	2	0	0	-0	1.7	9.9	1.6	0.0	11.7	1	
4	0	5	1	2	0	0	-0	1.7	10.0	1.6	0.0	11.7	1	
5	0	5	1	2	0	0	-0	1.7	9.7	1.6	0.0	11.5	1	
6	0	7	1	1	0	0	-0	2.7	10.4	1.1	0.0	13.0	1	
7	0	4	1	0	0	0	-0	1.7	6.5	0.7	0.0	8.2	1	
8	0	5	1	0	0	0	-0	1.7	6.6	0.7	0.0	8.2	1	
9	0	4	1	0	0	0	-0	1.6	6.3	0.7	0.0	7.9	1	
10	0	7	2	2	0	0	-0	2.8	15.8	2.6	0.0	18.5	1	
11	0	5	1	2	0	0	-0	1.7	9.9	1.6	0.0	11.6	1	
12	0	5	1	2	0	0	-0	1.7	10.0	1.6	0.0	11.7	1	
13	0	5	1	2	0	0	-0	1.7	9.6	1.6	0.0	11.3	1	
14	0	7	1	1	0	0	-0	2.8	10.3	1.1	0.0	13.1	1	
15	0	4	1	0	0	0	-0	1.7	6.4	0.7	0.0	8.0	1	
16	0	4	1	0	0	0	-0	1.7	6.5	0.7	0.0	8.2	1	
17	0	4	1	0	0	0	-0	1.6	6.1	0.7	0.0	7.7	1	
1A	38	4	0	0	0	0	0	1.5	7.6	0.1	0.0	9.0	6	
1E	38	7	0	0	0	0	0	2.5	7.6	0.1	0.0	10.0	6	
1I	38	5	0	0	0	0	0	1.8	7.7	0.1	0.0	9.5	6	
1M	38	6	0	0	0	0	0	2.1	7.7	0.1	0.0	9.9	6	
2	38	8	0	0	0	-0	0	2.8	40.6	0.4	0.0	43.4	1	
3	38	5	0	0	0	-0	0	1.8	25.3	0.2	0.0	27.1	1	
4	38	5	0	0	0	-0	0	1.8	25.3	0.2	0.0	27.0	1	
5	38	5	0	0	0	-0	0	1.8	25.5	0.2	0.0	27.2	1	
6	38	8	0	0	0	-0	0	2.9	14.7	0.2	0.0	17.6	6	
7	38	5	0	0	0	-0	0	1.8	9.1	0.1	0.0	10.9	6	
8	38	5	0	0	0	-0	0	1.8	9.0	0.1	0.0	10.9	6	
9	38	5	0	0	0	-0	0	1.8	9.3	0.1	0.0	11.1	6	
10	38	8	0	0	0	-0	0	2.8	40.7	0.4	0.0	43.5	1	
11	38	5	0	0	0	-0	0	1.8	25.4	0.2	0.0	27.2	1	
12	38	5	0	0	0	-0	0	1.8	25.3	0.2	0.0	27.1	1	
13	38	5	0	0	0	-0	0	1.7	25.6	0.2	0.0	27.3	1	
14	38	8	0	0	0	-0	0	3.0	15.6	0.2	0.0	18.7	6	
15	38	5	0	0	0	-0	0	1.8	9.2	0.1	0.0	11.0	6	
16	38	5	0	0	0	-0	0	1.8	9.0	0.1	0.0	10.9	6	

17	38	5	0	0	0	-0	0	1.8	9.4	0.1	0.0	11.1	6
1A	76	4	-1	0	0	-0	-0	1.7	1.8	0.6	0.0	3.5	1
1E	76	7	-1	0	0	-0	-0	2.7	1.8	0.6	0.0	4.5	1
1I	76	5	-1	0	0	-0	-0	2.0	1.9	0.6	0.0	3.8	1
1M	76	6	-1	0	0	-0	-0	2.4	1.9	0.6	0.0	4.2	1
2	76	8	-1	-2	0	-0	0	2.9	11.2	1.9	0.0	14.1	1
3	76	5	-1	-1	0	-0	0	1.8	7.0	1.2	0.0	8.8	1
4	76	5	-1	-1	0	-0	0	1.8	6.9	1.2	0.0	8.7	1
5	76	5	-1	-1	0	-0	0	1.8	7.1	1.2	0.0	8.9	1
6	76	8	-1	-0	0	-0	-0	3.1	4.5	0.9	0.0	7.7	1
7	76	5	-1	-0	0	-0	-0	2.0	2.7	0.6	0.0	4.7	1
8	76	5	-1	-0	0	-0	-0	2.0	2.7	0.6	0.0	4.7	1
9	76	5	-1	-0	0	-0	-0	1.9	2.9	0.6	0.0	4.8	1
10	76	8	-1	-2	0	-0	0	2.9	11.3	1.9	0.0	14.2	1
11	76	5	-1	-1	0	-0	0	1.8	7.0	1.2	0.0	8.8	1
12	76	5	-1	-1	0	-0	0	1.8	6.9	1.2	0.0	8.7	1
13	76	5	-1	-1	0	-0	0	1.8	7.2	1.2	0.0	8.9	1
14	76	9	-1	-0	0	-0	-0	3.3	4.5	1.0	0.0	7.8	1
15	76	5	-1	-0	0	-0	-0	2.0	2.7	0.6	0.0	4.7	1
16	76	5	-1	-0	0	-0	-0	2.0	2.6	0.6	0.0	4.6	1
17	76	5	-1	-0	0	-0	-0	1.9	2.9	0.6	0.0	4.8	1

ASTA NUM. 44 NI 200 NF 263 Lungh. 75.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.1189	0.2797	--	--	1.4679	2.8665 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	3	1	-0	0	-0	-0	1.2	4.3	0.6	0.0	5.4	1	
1E	0	6	1	-0	0	-0	-0	2.2	4.3	0.6	0.0	6.5	1	
1I	0	4	1	-0	0	-0	-0	1.5	4.2	0.6	0.0	5.7	1	
1M	0	5	1	-0	0	-0	-0	1.9	4.2	0.6	0.0	6.1	1	
2	0	7	2	-2	0	-0	-0	2.6	8.5	2.5	0.0	11.1	1	
3	0	4	1	-1	0	-0	-0	1.6	5.1	1.6	0.0	6.6	1	
4	0	4	1	-1	0	-0	-0	1.6	4.9	1.6	0.0	6.5	1	
5	0	4	1	-1	0	-0	-0	1.6	5.2	1.6	0.0	6.8	1	
6	0	7	1	-1	0	-0	-0	2.5	7.7	1.1	0.0	10.2	1	
7	0	4	1	-0	0	-0	-0	1.5	4.5	0.7	0.0	6.0	1	
8	0	4	1	-0	0	-0	-0	1.5	4.4	0.7	0.0	5.9	1	
9	0	4	1	-0	0	-0	-0	1.6	4.8	0.7	0.0	6.3	1	
10	0	7	2	-2	0	-0	-0	2.6	8.7	2.5	0.0	11.2	1	
11	0	4	1	-1	0	-0	-0	1.6	5.2	1.6	0.0	6.7	1	
12	0	4	1	-1	0	-0	-0	1.6	4.9	1.6	0.0	6.5	1	
13	0	4	1	-1	0	-0	-0	1.6	5.3	1.6	0.0	6.9	1	
14	0	7	1	-1	0	-0	-0	2.6	7.6	1.2	0.0	10.3	1	
15	0	4	1	-0	0	-0	-0	1.5	4.3	0.7	0.0	5.9	1	
16	0	4	1	-0	0	-0	-0	1.5	4.2	0.7	0.0	5.7	1	
17	0	4	1	-0	0	-0	-0	1.6	4.6	0.7	0.0	6.2	1	
1A	38	4	0	-0	0	-0	0	1.4	8.9	0.1	0.0	10.3	6	
1E	38	6	0	-0	0	-0	0	2.4	8.9	0.1	0.0	11.3	6	
1I	38	5	0	-0	0	-0	0	1.7	9.0	0.0	0.0	10.7	6	
1M	38	6	0	-0	0	-0	0	2.1	9.0	0.0	0.0	11.1	6	
2	38	7	0	-0	0	0	0	2.6	44.1	0.3	0.0	46.7	1	
3	38	4	0	-0	0	0	0	1.6	27.7	0.2	0.0	29.4	1	
4	38	4	0	-0	0	0	0	1.6	27.9	0.2	0.0	29.5	1	
5	38	4	0	-0	0	0	0	1.6	27.6	0.2	0.0	29.2	1	
6	38	7	0	-0	0	0	0	2.7	16.8	0.1	0.0	19.5	6	
7	38	4	0	-0	0	0	0	1.7	10.7	0.1	0.0	12.4	6	
8	38	4	0	-0	0	0	0	1.7	10.8	0.1	0.0	12.4	6	
9	38	5	0	-0	0	0	0	1.7	10.5	0.1	0.0	12.2	6	
10	38	7	0	-0	0	0	0	2.6	44.0	0.3	0.0	46.6	1	
11	38	4	0	-0	0	0	0	1.6	27.7	0.2	0.0	29.3	1	
12	38	4	0	-0	0	0	0	1.6	27.8	0.2	0.0	29.4	1	
13	38	4	0	-0	0	0	0	1.6	27.5	0.2	0.0	29.2	1	
14	38	8	0	-0	0	0	0	2.9	17.8	0.1	0.0	20.7	6	
15	38	4	0	-0	0	0	0	1.7	10.8	0.1	0.0	12.4	6	
16	38	4	0	-0	0	0	0	1.7	10.9	0.1	0.0	12.6	6	
17	38	5	0	-0	0	0	0	1.7	10.6	0.1	0.0	12.3	6	
1A	76	4	-1	-0	0	-0	0	1.6	0.7	0.5	0.0	2.3	6	
1E	76	7	-1	-0	0	-0	0	2.6	0.7	0.5	0.0	3.3	6	
1I	76	5	-1	-0	0	-0	0	1.9	0.9	0.5	0.0	2.8	6	
1M	76	6	-1	-0	0	-0	0	2.3	0.9	0.5	0.0	3.2	6	
2	76	7	-1	2	0	0	0	2.7	10.9	2.0	0.0	13.6	1	
3	76	4	-1	1	0	0	0	1.7	6.9	1.2	0.0	8.6	1	
4	76	4	-1	1	0	0	0	1.6	7.0	1.2	0.0	8.6	1	
5	76	4	-1	1	0	0	0	1.7	6.8	1.2	0.0	8.5	1	
6	76	8	-1	0	0	0	0	3.0	3.1	0.9	0.0	6.0	6	
7	76	5	-1	0	0	0	0	1.8	2.0	0.6	0.0	3.8	6	
8	76	5	-1	0	0	0	0	1.8	2.1	0.6	0.0	3.9	6	
9	76	5	-1	0	0	0	0	1.9	1.9	0.6	0.0	3.8	6	
10	76	7	-1	2	0	0	0	2.7	10.8	2.0	0.0	13.5	1	
11	76	4	-1	1	0	0	0	1.7	6.8	1.2	0.0	8.5	1	
12	76	4	-1	1	0	0	0	1.6	7.0	1.2	0.0	8.6	1	
13	76	4	-1	1	0	0	0	1.7	6.7	1.2	0.0	8.4	1	
14	76	8	-1	0	0	0	0	3.2	3.2	0.9	0.0	6.4	6	
15	76	5	-1	0	0	0	0	1.8	2.0	0.6	0.0	3.8	6	
16	76	5	-1	0	0	0	0	1.8	2.1	0.6	0.0	3.9	6	
17	76	5	-1	0	0	0	0	1.9	1.9	0.6	0.0	3.8	6	

ASTA NUM. 45 NI 262 NF 263 Lungh. 97.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-7	1	0	0	0	-0	2.8	1.1	1.1	0.0	3.9	6	
1E	0	-7	1	0	0	0	-0	2.5	1.1	1.1	0.0	3.6	6	
1I	0	-7	1	0	0	0	-0	2.8	1.3	1.1	0.0	4.1	6	
1M	0	-7	1	0	0	0	-0	2.5	1.3	1.1	0.0	3.8	6	
2	0	-8	1	-3	0	-0	-0	2.9	7.5	3.2	0.0	10.3	1	
3	0	-5	1	-2	0	-0	-0	1.8	4.6	2.0	0.0	6.4	1	
4	0	-5	1	-2	0	-0	-0	1.8	4.6	2.0	0.0	6.4	1	
5	0	-5	1	-2	0	-0	-0	1.8	4.7	2.0	0.0	6.5	1	
6	0	-10	1	-1	0	-0	-0	3.7	2.8	1.5	0.0	6.5	6	
7	0	-6	1	-0	0	-0	-0	2.3	1.7	1.0	0.0	4.0	6	
8	0	-6	1	-0	0	-0	-0	2.3	1.7	1.0	0.0	3.9	6	
9	0	-6	1	-0	0	-0	-0	2.3	1.8	1.0	0.0	4.1	6	
10	0	-8	1	-3	0	-0	-0	2.9	7.5	3.2	0.0	10.4	1	
11	0	-5	1	-2	0	-0	-0	1.8	4.7	2.0	0.0	6.5	1	
12	0	-5	1	-2	0	-0	-0	1.8	4.6	2.0	0.0	6.4	1	
13	0	-5	1	-2	0	-0	-0	1.8	4.8	2.0	0.0	6.6	1	
14	0	-10	2	-1	0	-0	-0	3.9	2.8	1.7	0.0	6.7	6	
15	0	-6	1	-0	0	-0	-0	2.3	1.7	1.0	0.0	3.9	6	
16	0	-6	1	-0	0	-0	-0	2.2	1.6	1.0	0.0	3.9	6	
17	0	-6	1	-0	0	-0	-0	2.3	1.8	1.0	0.0	4.0	6	
1A	49	-7	0	0	0	0	0	2.8	20.7	0.0	0.0	23.5	6	
1E	49	-7	0	0	0	0	0	2.5	20.7	0.0	0.0	23.2	6	
1I	49	-7	0	0	0	0	0	2.8	21.1	0.0	0.0	23.9	6	
1M	49	-7	0	0	0	0	0	2.5	21.1	0.0	0.0	23.6	6	
2	49	-8	0	0	0	1	0	2.9	67.0	0.0	0.0	69.8	1	
3	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.6	1	
4	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.5	1	
5	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.6	1	
6	49	-10	0	0	0	0	0	3.7	34.0	0.0	0.0	37.7	6	
7	49	-6	0	0	0	0	0	2.3	21.2	0.0	0.0	23.5	6	
8	49	-6	0	0	0	0	0	2.3	21.2	0.0	0.0	23.5	6	
9	49	-6	0	0	0	0	0	2.3	21.2	0.0	0.0	23.5	6	
10	49	-8	0	0	0	1	0	2.9	67.0	0.0	0.0	69.9	1	
11	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.6	1	
12	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.6	1	
13	49	-5	0	0	0	0	0	1.8	41.8	0.0	0.0	43.6	1	
14	49	-10	0	0	0	0	0	3.9	36.1	0.0	0.0	39.9	6	
15	49	-6	0	0	0	0	0	2.3	21.2	0.0	0.0	23.5	6	
16	49	-6	0	0	0	0	0	2.2	21.2	0.0	0.0	23.5	6	
17	49	-6	0	0	0	0	0	2.3	21.2	0.0	0.0	23.5	6	
1A	98	-7	-1	0	0	-0	-0	2.8	0.9	1.1	0.0	3.7	1	
1E	98	-7	-1	0	0	-0	-0	2.5	0.9	1.1	0.0	3.4	1	
1I	98	-7	-1	0	0	-0	0	2.8	0.4	1.1	0.0	3.4	5	
1M	98	-7	-1	0	0	-0	0	2.5	0.4	1.1	0.0	3.2	5	
2	98	-8	-1	3	0	-0	-0	2.9	9.6	3.3	0.0	12.5	1	
3	98	-5	-1	2	0	-0	-0	1.8	6.1	2.1	0.0	7.9	1	
4	98	-5	-1	2	0	-0	-0	1.8	6.2	2.1	0.0	7.9	1	
5	98	-5	-1	2	0	-0	-0	1.8	6.0	2.1	0.0	7.8	1	
6	98	-10	-1	1	0	-0	0	3.7	2.5	1.5	0.0	6.2	1	
7	98	-6	-1	0	0	-0	0	2.3	1.7	0.9	0.0	3.9	1	
8	98	-6	-1	1	0	-0	0	2.3	1.7	0.9	0.0	4.0	1	
9	98	-6	-1	0	0	-0	0	2.3	1.5	0.9	0.0	3.8	1	
10	98	-8	-1	3	0	-0	-0	2.9	9.5	3.3	0.0	12.4	1	
11	98	-5	-1	2	0	-0	-0	1.8	6.0	2.1	0.0	7.8	1	
12	98	-5	-1	2	0	-0	-0	1.8	6.2	2.1	0.0	7.9	1	
13	98	-5	-1	2	0	-0	-0	1.8	5.9	2.1	0.0	7.7	1	
14	98	-10	-2	1	0	-0	0	3.9	2.6	1.6	0.0	6.5	1	
15	98	-6	-1	0	0	-0	0	2.3	1.7	0.9	0.0	3.9	1	
16	98	-6	-1	1	0	-0	0	2.2	1.8	0.9	0.0	4.0	1	
17	98	-6	-1	0	0	-0	0	2.3	1.6	0.9	0.0	3.8	1	

ASTA NUM. 46 NI 262 NF 265 Lungh. 126.1 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	1.6304	0.4076	--	--	1.2551	3.2930 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-1	1	-0	0	-0	-0	0.4	3.3	0.8	0.0	3.6	1	
1E	0	2	1	-0	0	-0	-0	0.9	3.3	0.8	0.0	4.2	1	
1I	0	0	1	-0	0	-0	-0	0.1	3.4	0.8	0.0	3.4	1	
1M	0	1	1	-0	0	-0	-0	0.5	3.4	0.8	0.0	3.8	1	
2	0	2	3	-3	0	-0	-0	0.7	7.4	3.4	0.0	8.3	4	
3	0	1	2	-2	0	-0	-0	0.4	4.5	2.1	0.0	5.1	4	
4	0	1	2	-2	0	-0	-0	0.3	4.4	2.1	0.0	5.0	4	
5	0	1	2	-2	0	-0	-0	0.5	4.7	2.2	0.0	5.2	4	
6	0	2	1	-1	0	-0	-0	0.8	6.6	1.5	0.0	7.4	1	
7	0	1	1	-1	0	-0	-0	0.4	4.0	1.0	0.0	4.4	1	
8	0	1	1	-1	0	-0	-0	0.3	3.8	1.0	0.0	4.2	1	
9	0	1	1	-1	0	-0	-0	0.5	4.2	1.0	0.0	4.7	1	
10	0	2	3	-3	0	-0	-0	0.9	7.5	3.4	0.0	8.4	4	
11	0	1	2	-2	0	-0	-0	0.5	4.6	2.2	0.0	5.2	4	
12	0	1	2	-2	0	-0	-0	0.4	4.4	2.1	0.0	5.1	4	
13	0	2	2	-2	0	-0	-0	0.6	4.7	2.2	0.0	5.3	1	
14	0	2	2	-1	0	-0	-0	0.8	6.5	1.6	0.0	7.3	1	
15	0	1	1	-1	0	-0	-0	0.4	3.9	1.0	0.0	4.3	1	
16	0	1	1	-1	0	-0	-0	0.3	3.7	1.0	0.0	4.0	1	
17	0	2	1	-1	0	-0	-0	0.6	4.1	1.0	0.0	4.7	1	
1A	63	0	-0	-0	0	-0	0	0.0	19.0	0.0	0.0	19.0	6	
1E	63	4	-0	-0	0	-0	0	1.3	19.0	0.0	0.0	20.3	6	
1I	63	1	-0	-0	0	-0	0	0.5	19.0	0.0	0.0	19.4	6	
1M	63	2	-0	-0	0	-0	0	0.9	19.0	0.0	0.0	19.8	6	
2	63	2	-0	0	0	1	1	0.9	106.8	0.0	0.0	107.7	1	
3	63	1	-0	0	0	1	0	0.5	66.8	0.0	0.0	67.3	1	
4	63	1	-0	0	0	1	0	0.4	66.9	0.0	0.0	67.3	1	
5	63	2	-0	0	0	1	0	0.6	66.7	0.0	0.0	67.3	1	
6	63	3	-0	-0	0	0	0	1.2	41.6	0.0	0.0	42.9	6	
7	63	2	-0	-0	0	0	0	0.7	26.2	0.0	0.0	26.8	6	
8	63	2	-0	-0	0	0	0	0.6	26.3	0.0	0.0	26.9	6	
9	63	2	-0	-0	0	0	0	0.8	25.9	0.0	0.0	26.8	6	
10	63	3	-0	0	0	1	1	1.0	106.8	0.0	0.0	107.8	1	
11	63	1	-0	0	0	1	0	0.6	66.8	0.0	0.0	67.3	1	
12	63	1	-0	0	0	1	0	0.4	66.9	0.0	0.0	67.4	1	
13	63	2	-0	0	0	1	0	0.7	66.7	0.0	0.0	67.4	1	
14	63	3	-0	-0	0	0	0	1.3	43.8	0.0	0.0	45.1	6	
15	63	2	-0	-0	0	0	0	0.7	26.2	0.0	0.0	27.0	6	
16	63	2	-0	-0	0	0	0	0.6	26.4	0.0	0.0	27.0	6	
17	63	2	-0	-0	0	0	0	0.9	26.0	0.0	0.0	26.9	6	
1A	126	1	-1	-0	0	-0	-0	0.4	3.9	0.9	0.0	4.3	6	
1E	126	5	-1	-0	0	-0	-0	1.7	3.9	0.9	0.0	5.6	6	
1I	126	2	-1	-0	0	-0	-0	0.9	3.9	0.9	0.0	4.8	6	
1M	126	3	-1	-0	0	-0	-0	1.3	3.9	0.9	0.0	5.2	6	
2	126	3	-3	3	0	-0	-0	1.0	10.7	3.5	0.0	11.7	6	
3	126	1	-2	2	0	-0	-0	0.6	6.7	2.2	0.0	7.2	6	
4	126	1	-2	2	0	-0	-0	0.5	6.6	2.2	0.0	7.0	6	
5	126	2	-2	2	0	-0	-0	0.7	6.8	2.2	0.0	7.4	6	
6	126	5	-2	1	0	-0	-0	1.7	8.1	1.6	0.0	9.8	6	
7	126	3	-1	0	0	-0	-0	1.0	5.0	1.0	0.0	6.0	6	
8	126	2	-1	0	0	-0	-0	0.9	4.9	1.0	0.0	5.8	6	
9	126	3	-1	0	0	-0	-0	1.1	5.2	1.0	0.0	6.3	6	
10	126	3	-3	3	0	-0	-0	1.1	10.7	3.5	0.0	11.8	6	
11	126	2	-2	2	0	-0	-0	0.6	6.7	2.2	0.0	7.3	6	
12	126	1	-2	2	0	-0	-0	0.5	6.5	2.2	0.0	7.0	6	
13	126	2	-2	2	0	-0	-0	0.7	6.8	2.2	0.0	7.5	6	
14	126	5	-2	1	0	-0	-0	1.7	8.1	1.7	0.0	9.8	6	
15	126	3	-1	0	0	-0	-0	1.0	4.9	1.0	0.0	5.9	6	
16	126	2	-1	0	0	-0	-0	0.9	4.8	1.0	0.0	5.6	6	
17	126	3	-1	0	0	-0	-0	1.1	5.1	1.0	0.0	6.2	6	

ASTA NUM. 47 NI 264 NF 265 Lungh. 32.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-2	1	0	0	0	-0	0.9	6.5	0.7	0.0	7.5	6	
1E	0	-1	1	0	0	0	-0	0.5	6.5	0.7	0.0	7.0	6	
1I	0	-2	1	0	0	0	-0	0.8	6.9	0.7	0.0	7.7	6	
1M	0	-2	1	0	0	0	-0	0.6	6.9	0.7	0.0	7.5	6	
2	0	-1	1	-1	0	0	-0	0.4	7.3	1.2	0.0	7.7	6	
3	0	-1	1	-1	0	0	-0	0.2	4.6	0.8	0.0	4.8	6	
4	0	-1	1	-1	0	0	-0	0.2	4.6	0.7	0.0	4.8	6	
5	0	-1	1	-1	0	0	-0	0.3	4.5	0.8	0.0	4.8	6	
6	0	-3	1	-0	0	0	-0	1.0	11.3	1.2	0.0	12.3	6	
7	0	-2	1	-0	0	0	-0	0.6	7.1	0.7	0.0	7.7	6	
8	0	-1	1	-0	0	0	-0	0.5	7.1	0.7	0.0	7.7	6	
9	0	-2	1	-0	0	0	-0	0.6	7.1	0.7	0.0	7.7	6	
10	0	-1	1	-1	0	0	-0	0.5	7.3	1.2	0.0	7.7	6	
11	0	-1	1	-1	0	0	-0	0.3	4.6	0.8	0.0	4.8	6	
12	0	-1	1	-1	0	0	-0	0.2	4.6	0.7	0.0	4.8	6	
13	0	-1	1	-1	0	0	-0	0.3	4.5	0.8	0.0	4.8	6	
14	0	-3	1	-0	0	0	-0	1.0	11.5	1.2	0.0	12.5	6	
15	0	-2	1	-0	0	0	-0	0.6	7.1	0.7	0.0	7.7	6	
16	0	-1	1	-0	0	0	-0	0.5	7.2	0.7	0.0	7.7	6	
17	0	-2	1	-0	0	0	-0	0.6	7.1	0.7	0.0	7.7	6	
1A	16	-2	0	0	0	0	0	0.9	2.1	0.3	0.0	3.0	1	
1E	16	-1	0	0	0	0	0	0.5	2.1	0.3	0.0	2.5	1	
1I	16	-2	0	0	0	0	0	0.8	2.0	0.4	0.0	2.8	1	
1M	16	-2	0	0	0	0	0	0.6	2.0	0.4	0.0	2.6	1	
2	16	-1	1	-0	0	0	0	0.4	12.4	0.5	0.0	12.9	1	
3	16	-1	0	-0	0	0	0	0.2	7.8	0.3	0.0	8.0	1	
4	16	-1	0	-0	0	0	0	0.2	7.8	0.3	0.0	8.0	1	
5	16	-1	0	-0	0	0	0	0.3	7.8	0.3	0.0	8.1	1	
6	16	-3	1	0	0	0	0	1.0	5.5	0.7	0.0	6.5	1	
7	16	-2	0	0	0	0	0	0.6	3.5	0.4	0.0	4.0	1	
8	16	-1	0	0	0	0	0	0.5	3.4	0.4	0.0	4.0	1	
9	16	-2	0	0	0	0	0	0.6	3.5	0.4	0.0	4.1	1	
10	16	-1	1	-0	0	0	0	0.5	12.4	0.5	0.0	12.9	1	
11	16	-1	0	-0	0	0	0	0.3	7.8	0.3	0.0	8.0	1	
12	16	-1	0	-0	0	0	0	0.2	7.7	0.3	0.0	7.9	1	
13	16	-1	0	-0	0	0	0	0.3	7.8	0.3	0.0	8.1	1	
14	16	-3	1	0	0	0	0	1.0	5.6	0.7	0.0	6.6	1	
15	16	-2	0	0	0	0	0	0.6	3.4	0.4	0.0	4.0	1	
16	16	-1	0	0	0	0	0	0.5	3.4	0.4	0.0	3.9	1	
17	16	-2	0	0	0	0	0	0.6	3.5	0.4	0.0	4.1	1	
1A	32	-2	-0	0	0	0	0	0.9	3.1	0.1	0.0	4.0	6	
1E	32	-1	-0	0	0	0	0	0.5	3.1	0.1	0.0	3.6	6	
1I	32	-2	-0	0	0	0	0	0.8	3.5	0.1	0.0	4.3	6	
1M	32	-2	-0	0	0	0	0	0.6	3.5	0.1	0.0	4.1	6	
2	32	-1	0	1	0	0	0	0.4	9.8	1.0	0.0	10.2	6	
3	32	-1	0	1	0	0	0	0.2	6.1	0.6	0.0	6.4	6	
4	32	-1	0	1	0	0	0	0.2	6.1	0.6	0.0	6.3	6	
5	32	-1	0	1	0	0	0	0.3	6.2	0.6	0.0	6.4	6	
6	32	-3	0	0	0	0	0	1.0	8.1	0.3	0.0	9.1	6	
7	32	-2	0	0	0	0	0	0.6	5.1	0.2	0.0	5.6	6	
8	32	-1	0	0	0	0	0	0.5	5.0	0.2	0.0	5.6	6	
9	32	-2	0	0	0	0	0	0.6	5.1	0.2	0.0	5.7	6	
10	32	-1	0	1	0	0	0	0.5	9.8	1.0	0.0	10.2	6	
11	32	-1	0	1	0	0	0	0.3	6.1	0.6	0.0	6.4	6	
12	32	-1	0	1	0	0	0	0.2	6.1	0.6	0.0	6.3	6	
13	32	-1	0	1	0	0	0	0.3	6.1	0.6	0.0	6.4	6	
14	32	-3	0	0	0	0	0	1.0	8.0	0.3	0.0	9.0	6	
15	32	-2	0	0	0	0	0	0.6	5.0	0.2	0.0	5.6	6	
16	32	-1	0	0	0	0	0	0.5	5.0	0.2	0.0	5.5	6	
17	32	-2	0	0	0	0	0	0.6	5.1	0.2	0.0	5.7	6	

ASTA NUM. 48 NI 144 NF 266 Lungh. 60.4 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5542	1	-0	0	0	0	1176.6	6.7	0.6	0.0	1183.2	1	
1E	0	-5532	1	-0	0	0	0	1174.6	6.7	0.6	0.0	1181.3	1	
1I	0	-5541	1	-0	0	0	0	1176.4	8.0	0.5	0.0	1184.4	1	
1M	0	-5533	1	-0	0	0	0	1174.8	8.0	0.5	0.0	1182.8	1	
2	0	-6845	-6	5	0	1	2	1453.3	58.7	3.6	0.0	1512.0	6	
3	0	-3018	-4	3	0	1	1	640.8	34.9	2.3	0.0	675.7	6	
4	0	-4126	-4	3	0	1	1	876.0	35.9	2.3	0.0	912.0	6	
5	0	-4284	-4	3	0	1	1	909.6	36.4	2.3	0.0	945.9	6	
6	0	-9485	-0	1	0	1	0	2013.8	23.3	0.6	0.0	2037.1	1	
7	0	-4335	-0	1	0	0	0	920.4	10.2	0.3	0.0	930.6	1	
8	0	-5744	-0	1	0	0	0	1219.5	13.4	0.3	0.0	1232.9	1	
9	0	-5956	-0	1	0	0	0	1264.5	14.0	0.4	0.0	1278.6	1	
10	0	-6934	-6	5	0	1	2	1472.2	60.0	3.6	0.0	1532.2	6	
11	0	-3073	-4	3	0	1	1	652.4	35.5	2.3	0.0	687.9	6	
12	0	-4136	-4	3	0	1	1	878.1	36.7	2.3	0.0	914.9	6	
13	0	-4350	-4	3	0	1	1	923.6	37.1	2.3	0.0	960.7	6	
14	0	-9486	-0	1	0	1	0	2014.0	23.2	0.6	0.0	2037.2	1	
15	0	-4335	-0	1	0	0	0	920.4	10.3	0.3	0.0	930.7	1	
16	0	-5669	-0	1	0	0	0	1203.6	13.7	0.4	0.0	1217.3	1	
17	0	-5974	-0	1	0	0	0	1268.4	14.3	0.4	0.0	1282.7	1	
1A	30	-5541	1	-0	0	0	0	1176.3	11.4	0.3	0.0	1187.8	1	

1E	30	-5531	1	-0	0	0	0	1174.4	11.4	0.3	0.0	1185.8	1
1I	30	-5540	0	-0	0	0	0	1176.2	11.8	0.2	0.0	1187.9	1
1M	30	-5532	0	-0	0	0	0	1174.6	11.8	0.2	0.0	1186.4	1
2	30	-6843	-5	3	0	0	0	1452.8	2.6	2.8	0.0	1455.4	1
3	30	-3017	-3	2	0	-0	-0	640.4	1.1	1.8	0.0	641.5	1
4	30	-4124	-3	2	0	0	0	875.7	0.9	1.7	0.0	876.6	1
5	30	-4282	-3	2	0	0	0	909.2	1.3	1.7	0.0	910.6	1
6	30	-9484	-0	0	0	0	0	2013.5	16.2	0.3	0.0	2029.6	1
7	30	-4334	-0	0	0	0	0	920.2	6.4	0.2	0.0	926.6	6
8	30	-5743	-0	0	0	0	0	1219.3	9.3	0.2	0.0	1228.6	1
9	30	-5955	-0	0	0	0	0	1264.3	9.8	0.2	0.0	1274.1	1
10	30	-6932	-5	3	0	0	0	1471.7	3.8	2.8	0.0	1475.5	1
11	30	-3072	-3	2	0	-0	0	652.1	0.6	1.7	0.0	652.7	1
12	30	-4134	-3	2	0	0	0	877.8	1.6	1.7	0.0	879.4	1
13	30	-4348	-3	2	0	0	0	923.2	2.1	1.7	0.0	925.3	1
14	30	-9485	-0	0	0	0	0	2013.7	16.7	0.3	0.0	2030.4	1
15	30	-4334	-0	0	0	0	0	920.2	6.4	0.2	0.0	926.6	6
16	30	-5668	-0	0	0	0	0	1203.4	9.5	0.2	0.0	1212.9	1
17	30	-5973	-0	0	0	0	0	1268.2	10.0	0.2	0.0	1278.2	1
1A	60	-5540	0	-0	0	0	0	1176.1	14.6	0.2	0.0	1190.8	1
1E	60	-5530	0	-0	0	0	0	1174.2	14.6	0.2	0.0	1188.8	1
1I	60	-5539	-0	-0	0	0	0	1175.9	14.0	0.1	0.0	1189.9	1
1M	60	-5531	-0	-0	0	0	0	1174.4	14.0	0.1	0.0	1188.3	1
2	60	-6840	-3	1	0	-1	-1	1452.2	36.5	1.9	0.0	1488.8	6
3	60	-3015	-2	1	0	-0	-1	640.1	25.0	1.2	0.0	665.1	6
4	60	-4123	-2	1	0	-0	-1	875.4	23.3	1.2	0.0	898.7	6
5	60	-4281	-2	1	0	-0	-1	908.9	23.0	1.2	0.0	931.9	6
6	60	-9482	-1	-0	0	0	0	2013.2	12.7	0.4	0.0	2025.8	1
7	60	-4333	-0	-0	0	0	0	920.0	4.5	0.3	0.0	924.4	1
8	60	-5742	-0	-0	0	0	0	1219.1	7.5	0.2	0.0	1226.6	1
9	60	-5954	-0	-0	0	0	0	1264.1	7.8	0.2	0.0	1271.9	1
10	60	-6929	-3	1	0	-1	-1	1471.1	35.7	1.9	0.0	1506.8	6
11	60	-3070	-2	1	0	-0	-1	651.8	24.6	1.2	0.0	676.4	6
12	60	-4133	-2	1	0	-0	-1	877.5	22.8	1.2	0.0	900.3	6
13	60	-4347	-2	1	0	-0	-1	922.9	22.4	1.2	0.0	945.4	6
14	60	-9483	-1	-0	0	0	0	2013.4	13.7	0.4	0.0	2027.1	1
15	60	-4333	-0	-0	0	0	0	920.0	4.5	0.3	0.0	924.4	1
16	60	-5667	-0	-0	0	0	0	1203.2	7.6	0.2	0.0	1210.7	1
17	60	-5972	-0	-0	0	0	0	1267.9	8.0	0.2	0.0	1275.9	1

ASTA NUM. 49 NI 266 NF 261 Lungh. 53.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5534	-0	1	0	1	0	1174.9	18.4	0.8	0.0	1193.3	1	
1E	0	-5520	-0	1	0	1	0	1172.0	18.4	0.8	0.0	1190.5	1	
1I	0	-5531	-0	1	0	1	0	1174.3	18.9	0.8	0.0	1193.2	1	
1M	0	-5523	-0	1	0	1	0	1172.7	18.9	0.8	0.0	1191.6	1	
2	0	-6825	4	-1	0	-1	-1	1449.0	40.9	2.4	0.0	1489.9	6	
3	0	-3005	2	-0	0	-0	-1	638.0	27.4	1.5	0.0	665.4	6	
4	0	-4114	2	-0	0	-0	-1	873.5	26.0	1.5	0.0	899.4	6	
5	0	-4271	2	-0	0	-0	-1	906.8	25.7	1.5	0.0	932.5	6	
6	0	-9469	1	1	0	0	0	2010.4	13.0	0.7	0.0	2023.4	1	
7	0	-4325	1	1	0	0	0	918.3	4.6	0.4	0.0	922.9	1	
8	0	-5734	1	1	0	0	0	1217.4	7.7	0.4	0.0	1225.1	1	
9	0	-5946	1	1	0	0	0	1262.4	8.0	0.5	0.0	1270.4	1	
10	0	-6914	4	-1	0	-1	-1	1467.9	40.1	2.4	0.0	1508.1	6	
11	0	-3061	2	-0	0	-0	-1	649.9	27.1	1.5	0.0	677.0	6	
12	0	-4124	2	-0	0	-0	-1	875.6	25.5	1.5	0.0	901.1	6	
13	0	-4338	2	-0	0	-0	-1	921.0	25.2	1.5	0.0	946.2	6	
14	0	-9469	1	1	0	0	0	2010.4	14.0	0.8	0.0	2024.4	1	
15	0	-4325	1	1	0	0	0	918.3	4.7	0.4	0.0	922.9	1	
16	0	-5660	1	1	0	0	0	1201.7	7.8	0.4	0.0	1209.5	1	
17	0	-5964	1	1	0	0	0	1266.2	8.1	0.4	0.0	1274.4	1	
1A	27	-5533	-1	1	0	0	0	1174.7	9.0	0.8	0.0	1183.7	6	
1E	27	-5519	-1	1	0	0	0	1171.8	9.0	0.8	0.0	1180.9	6	
1I	27	-5530	-1	1	0	0	0	1174.1	9.4	0.8	0.0	1183.5	6	
1M	27	-5522	-1	1	0	0	0	1172.4	9.4	0.8	0.0	1181.9	6	
2	27	-6823	5	-2	0	-0	-0	1448.6	5.7	3.2	0.0	1454.4	1	
3	27	-3004	3	-2	0	-0	-0	637.8	5.8	2.0	0.0	643.5	1	
4	27	-4113	3	-1	0	-0	-0	873.2	3.8	2.0	0.0	877.0	1	
5	27	-4270	3	-1	0	-0	-0	906.6	3.6	2.0	0.0	910.2	1	
6	27	-9468	1	1	0	0	0	2010.1	11.3	0.5	0.0	2021.4	6	
7	27	-4324	0	0	0	0	0	918.2	4.4	0.3	0.0	922.6	6	
8	27	-5733	1	0	0	0	0	1217.2	6.7	0.3	0.0	1223.9	6	
9	27	-5945	1	0	0	0	0	1262.2	7.1	0.3	0.0	1269.3	6	
10	27	-6912	5	-2	0	-0	-0	1467.5	5.4	3.2	0.0	1472.9	1	
11	27	-3060	3	-1	0	-0	-0	649.6	5.6	2.0	0.0	655.2	1	
12	27	-4123	3	-1	0	-0	-0	875.3	3.6	2.0	0.0	878.9	1	
13	27	-4337	3	-1	0	-0	-0	920.7	3.4	2.0	0.0	924.1	1	
14	27	-9468	1	1	0	0	0	2010.1	11.8	0.5	0.0	2021.9	6	
15	27	-4324	0	0	0	0	0	918.0	4.5	0.3	0.0	922.5	6	
16	27	-5659	0	0	0	0	0	1201.5	6.8	0.3	0.0	1208.3	6	
17	27	-5963	1	0	0	0	0	1266.0	7.2	0.3	0.0	1273.3	6	
1A	54	-5532	-1	1	0	-0	0	1174.5	6.5	0.8	0.0	1180.9	1	
1E	54	-5518	-1	1	0	-0	0	1171.6	6.5	0.8	0.0	1178.1	1	
1I	54	-5529	-1	1	0	-0	0	1173.8	5.9	0.8	0.0	1179.7	1	
1M	54	-5521	-1	1	0	-0	0	1172.2	5.9	0.8	0.0	1178.1	1	
2	54	-6821	6	-4	0	1	2	1448.2	49.3	3.9	0.0	1497.5	6	
3	54	-3003	4	-3	0	0	1	637.6	28.8	2.4	0.0	666.4	6	
4	54	-4112	4	-3	0	0	1	873.0	30.7	2.5	0.0	903.7	6	
5	54	-4269	4	-3	0	0	1	906.4	30.9	2.5	0.0	937.2	6	
6	54	-9466	1	0	0	0	1	2009.8	15.2	0.4	0.0	2024.9	6	
7	54	-4324	0	0	0	-0	0	918.0	7.9	0.2	0.0	925.9	6	
8	54	-5732	0	0	0	0	0	1217.0	9.3	0.2	0.0	1226.3	6	
9	54	-5944	0	0	0	0	0	1262.0	9.6	0.2	0.0	1271.6	6	
10	54	-6910	6	-4	0	1	2	1467.1	49.4	3.9	0.0	1516.5	6	
11	54	-3058	4	-3	0	0	1	649.3	28.8	2.4	0.0	678.1	6	
12	54	-4121	4	-3	0	0	1	874.9	30.7	2.5	0.0	905.6	6	
13	54	-4335	4	-3	0	0	1	920.4	31.0	2.5	0.0	951.4	6	
14	54	-9466	1	0	0	0	1	2009.8	14.8	0.3	0.0	2024.6	6	
15	54	-4323	0	0	0	-0	0	917.8	7.9	0.2	0.0	925.8	6	
16	54	-5658	0	0	0	0	0	1201.3	9.3	0.2	0.0	1210.6	6	
17	54	-5962	0	0	0	0	0	1265.8	9.8	0.3	0.0	1275.6	6	

ASTA NUM. 50 NI 268 NF 247 Lungh. 55.9 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	-5530	-0	0	0	0	0	1174.0	8.4	0.1	0.0	1182.3	6	
1E	0	-5516	-0	0	0	0	0	1171.2	8.4	0.1	0.0	1179.6	6	
1I	0	-5526	-0	0	0	0	0	1173.3	8.6	0.1	0.0	1182.0	6	
1M	0	-5520	-0	0	0	0	0	1171.9	8.6	0.1	0.0	1180.5	6	
2	0	-6816	-0	1	0	-1	-1	1447.1	21.5	0.6	0.0	1468.7	6	
3	0	-2999	-0	1	0	-0	-0	636.7	14.5	0.3	0.0	651.3	6	
4	0	-4108	-0	1	0	-0	-0	872.2	13.5	0.4	0.0	885.7	6	
5	0	-4265	-0	1	0	-0	-0	905.5	13.4	0.4	0.0	918.9	6	
6	0	-9462	-0	0	0	-0	0	2008.9	6.3	0.2	0.0	2015.2	6	
7	0	-4321	-0	0	0	-0	0	917.4	3.7	0.1	0.0	921.1	1	
8	0	-5730	-0	0	0	-0	0	1216.6	3.7	0.2	0.0	1220.2	6	
9	0	-5942	-0	0	0	-0	0	1261.6	4.0	0.2	0.0	1265.6	6	
10	0	-6905	-0	1	0	-1	-1	1466.0	21.3	0.6	0.0	1487.3	6	
11	0	-3055	-0	1	0	-0	-0	648.6	14.4	0.3	0.0	663.1	6	
12	0	-4118	-0	1	0	-0	-0	874.3	13.4	0.4	0.0	887.7	6	
13	0	-4332	-0	1	0	-0	-0	919.7	13.3	0.3	0.0	933.0	6	
14	0	-9462	-0	0	0	-0	0	2008.9	6.6	0.2	0.0	2015.5	6	
15	0	-4321	-0	0	0	-0	0	917.4	3.6	0.1	0.0	921.0	1	
16	0	-5655	-0	0	0	-0	0	1200.6	3.7	0.2	0.0	1204.3	6	
17	0	-5959	-0	0	0	-0	0	1265.2	4.2	0.2	0.0	1269.3	6	
1A	28	-5529	-1	0	0	0	0	1173.8	4.3	0.4	0.0	1178.1	6	
1E	28	-5515	-1	0	0	0	0	1171.0	4.3	0.4	0.0	1175.3	6	
1I	28	-5525	-1	0	0	0	0	1173.1	4.5	0.4	0.0	1177.6	6	
1M	28	-5519	-1	0	0	0	0	1171.7	4.5	0.4	0.0	1176.2	6	
2	28	-6814	1	-1	0	-1	-0	1446.6	19.7	0.6	0.0	1466.3	1	
3	28	-2998	1	-1	0	-0	-0	636.4	12.7	0.5	0.0	649.1	1	
4	28	-4107	1	-1	0	-0	-0	871.9	12.3	0.4	0.0	884.2	1	
5	28	-4264	1	-1	0	-0	-0	905.2	12.3	0.4	0.0	917.5	1	
6	28	-9461	-1	-0	0	-0	0	2008.6	4.5	0.3	0.0	2013.1	1	
7	28	-4320	-0	-0	0	-0	0	917.2	3.4	0.1	0.0	920.6	1	
8	28	-5729	-0	-0	0	-0	0	1216.3	3.1	0.2	0.0	1219.4	1	
9	28	-5941	-0	-0	0	-0	0	1261.4	2.7	0.2	0.0	1264.1	1	
10	28	-6903	1	-1	0	-1	-0	1465.5	19.6	0.6	0.0	1485.1	1	
11	28	-3054	1	-1	0	-0	-0	648.3	12.6	0.4	0.0	660.9	1	
12	28	-4117	1	-1	0	-0	-0	874.0	12.3	0.4	0.0	886.3	1	
13	28	-4331	1	-1	0	-0	-0	919.4	12.2	0.4	0.0	931.6	1	
14	28	-9460	-1	-0	0	-0	0	2008.5	4.6	0.3	0.0	2013.1	1	
15	28	-4320	-0	-0	0	-0	0	917.2	3.4	0.1	0.0	920.6	1	
16	28	-5654	-0	0	0	-0	0	1200.4	3.3	0.1	0.0	1203.7	1	
17	28	-5958	-0	-0	0	-0	0	1265.0	2.8	0.2	0.0	1267.8	1	
1A	56	-5528	-1	0	0	-0	-0	1173.6	3.4	0.7	0.0	1176.9	6	
1E	56	-5514	-1	0	0	-0	-0	1170.8	3.4	0.7	0.0	1174.2	6	
1I	56	-5524	-1	0	0	-0	-0	1172.9	3.2	0.7	0.0	1176.1	6	
1M	56	-5518	-1	0	0	-0	-0	1171.5	3.2	0.7	0.0	1174.7	6	
2	56	-6811	2	-3	0	-0	-0	1446.1	0.8	1.7	0.0	1446.9	1	
3	56	-2996	2	-2	0	-0	0	636.1	0.8	1.1	0.0	636.9	1	
4	56	-4105	1	-2	0	-0	0	871.5	1.1	1.0	0.0	872.7	1	
5	56	-4262	1	-2	0	-0	-0	904.9	0.4	1.1	0.0	905.3	1	

6	56	-9459	-1	-1	0	-0	-0	2008.3	4.1	0.4	0.0	2012.4	6
7	56	-4319	-0	-0	0	-0	-0	917.0	1.6	0.3	0.0	918.6	6
8	56	-5728	-0	-0	0	-0	-0	1216.1	1.9	0.2	0.0	1218.1	6
9	56	-5940	-0	-0	0	-0	-0	1261.1	2.6	0.3	0.0	1263.7	6
10	56	-6900	2	-3	0	-0	-0	1465.0	0.6	1.7	0.0	1465.6	1
11	56	-3052	2	-2	0	-0	0	648.0	0.6	1.1	0.0	648.6	6
12	56	-4115	2	-2	0	-0	0	873.7	1.3	1.0	0.0	874.9	1
13	56	-4329	1	-2	0	-0	-0	919.1	0.4	1.1	0.0	919.5	6
14	56	-9458	-1	-1	0	-0	-0	2008.1	3.7	0.5	0.0	2011.8	6
15	56	-4319	-0	-0	0	-0	-0	917.0	1.3	0.2	0.0	918.3	1
16	56	-5653	-0	-0	0	-0	-0	1200.2	1.9	0.2	0.0	1202.2	1
17	56	-5957	-0	-0	0	-0	-0	1264.8	2.4	0.3	0.0	1267.1	6

ASTA NUM. 51 NI 261 NF 268 Lungh. 59.2 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5532	1	-0	0	-0	0	1174.5	5.8	0.4	0.0	1180.2	6	
1E	0	-5518	1	-0	0	-0	0	1171.6	5.8	0.4	0.0	1177.4	6	
1I	0	-5529	1	-0	0	-0	0	1173.8	6.2	0.3	0.0	1180.0	6	
1M	0	-5521	1	-0	0	-0	0	1172.3	6.2	0.3	0.0	1178.5	6	
2	0	-6821	-5	4	0	1	1	1448.2	47.5	2.9	0.0	1495.6	6	
3	0	-3003	-3	2	0	0	1	637.6	27.1	1.8	0.0	664.7	6	
4	0	-4112	-3	2	0	0	1	873.0	29.4	1.8	0.0	902.5	6	
5	0	-4269	-3	2	0	0	1	906.4	29.7	1.8	0.0	936.1	6	
6	0	-9465	-0	1	0	0	1	2009.6	16.9	0.5	0.0	2026.4	6	
7	0	-4323	-0	0	0	-0	0	917.8	8.0	0.3	0.0	925.8	6	
8	0	-5732	-0	1	0	0	0	1217.0	10.3	0.3	0.0	1227.3	6	
9	0	-5944	-0	1	0	0	0	1262.0	10.6	0.3	0.0	1272.6	6	
10	0	-6910	-5	4	0	1	1	1467.1	47.8	2.9	0.0	1514.9	6	
11	0	-3058	-3	2	0	0	1	649.3	27.2	1.8	0.0	676.4	6	
12	0	-4121	-3	2	0	0	1	874.9	29.5	1.8	0.0	904.5	6	
13	0	-4335	-3	2	0	0	1	920.4	29.9	1.8	0.0	950.3	6	
14	0	-9465	-0	1	0	0	1	2009.6	16.7	0.5	0.0	2026.3	6	
15	0	-4323	-0	0	0	-0	0	917.8	8.1	0.3	0.0	925.9	6	
16	0	-5657	-0	1	0	0	0	1201.1	10.3	0.3	0.0	1211.4	6	
17	0	-5961	-0	1	0	0	0	1265.6	10.9	0.3	0.0	1276.5	6	
1A	30	-5531	0	-0	0	-0	0	1174.2	8.5	0.1	0.0	1182.7	6	
1E	30	-5517	0	-0	0	-0	0	1171.4	8.5	0.1	0.0	1179.9	6	
1I	30	-5528	0	-0	0	-0	0	1173.6	8.6	0.1	0.0	1182.2	6	
1M	30	-5520	0	-0	0	-0	0	1172.0	8.6	0.1	0.0	1180.6	6	
2	30	-6819	-3	2	0	-0	0	1447.7	9.7	2.1	0.0	1457.4	6	
3	30	-3002	-2	1	0	-0	0	637.3	6.2	1.3	0.0	643.5	1	
4	30	-4111	-2	1	0	-0	0	872.7	5.9	1.3	0.0	878.6	1	
5	30	-4268	-2	1	0	-0	0	906.1	6.1	1.3	0.0	912.2	6	
6	30	-9464	-1	0	0	-0	0	2009.2	13.4	0.4	0.0	2022.7	6	
7	30	-4322	-0	0	0	-0	0	917.6	6.7	0.2	0.0	924.3	6	
8	30	-5731	-0	0	0	-0	0	1216.8	8.1	0.2	0.0	1224.9	6	
9	30	-5943	-0	0	0	-0	0	1261.8	8.5	0.2	0.0	1270.3	6	
10	30	-6908	-3	2	0	-0	0	1466.6	10.0	2.1	0.0	1476.5	6	
11	30	-3057	-2	1	0	-0	0	649.0	6.3	1.3	0.0	655.3	1	
12	30	-4120	-2	1	0	-0	0	874.6	6.0	1.3	0.0	880.6	6	
13	30	-4334	-2	1	0	-0	0	920.1	6.3	1.3	0.0	926.4	6	
14	30	-9464	-1	0	0	-0	0	2009.2	13.9	0.3	0.0	2023.1	6	
15	30	-4322	-0	0	0	-0	0	917.6	6.7	0.2	0.0	924.4	6	
16	30	-5656	-0	0	0	-0	0	1200.8	8.1	0.2	0.0	1209.0	6	
17	30	-5960	-0	0	0	-0	0	1265.4	8.6	0.2	0.0	1274.0	6	
1A	59	-5530	-0	-0	0	-0	0	1174.0	7.2	0.2	0.0	1181.2	6	
1E	59	-5516	-0	-0	0	-0	0	1171.2	7.2	0.2	0.0	1178.4	6	
1I	59	-5527	-0	-0	0	-0	0	1173.4	6.9	0.3	0.0	1180.3	6	
1M	59	-5519	-0	-0	0	-0	0	1171.8	6.9	0.3	0.0	1178.7	6	
2	59	-6816	-2	0	0	-1	-1	1447.1	21.3	1.3	0.0	1468.4	1	
3	59	-3000	-1	-0	0	-0	-0	636.9	14.6	0.8	0.0	651.5	6	
4	59	-4109	-1	0	0	-0	-0	872.4	13.3	0.8	0.0	885.7	6	
5	59	-4266	-1	0	0	-0	-0	905.7	13.3	0.8	0.0	919.0	1	
6	59	-9462	-1	-0	0	-0	0	2008.9	8.3	0.5	0.0	2017.3	6	
7	59	-4321	-0	-0	0	-0	0	917.4	4.0	0.3	0.0	921.5	1	
8	59	-5730	-0	-0	0	-0	0	1216.6	4.9	0.3	0.0	1221.5	6	
9	59	-5942	-0	-0	0	-0	0	1261.6	5.3	0.3	0.0	1266.9	6	
10	59	-6905	-2	0	0	-1	-1	1466.0	21.2	1.3	0.0	1487.2	1	
11	59	-3056	-1	-0	0	-0	-0	648.8	14.5	0.8	0.0	663.3	6	
12	59	-4118	-1	0	0	-0	-0	874.3	13.1	0.8	0.0	887.5	6	
13	59	-4332	-1	0	0	-0	-0	919.7	13.2	0.8	0.0	933.0	1	
14	59	-9462	-1	-0	0	-0	0	2008.9	8.6	0.5	0.0	2017.5	6	
15	59	-4321	-0	-0	0	-0	0	917.4	4.0	0.3	0.0	921.4	1	
16	59	-5655	-0	-0	0	-0	0	1200.6	4.9	0.3	0.0	1205.6	6	
17	59	-5959	-0	-0	0	-0	0	1265.2	5.4	0.3	0.0	1270.6	6	

ASTA NUM. 52 NI 269 NF 247 Lungh. 55.9 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5273	0	-1	0	-0	0	1119.4	11.9	0.6	0.0	1131.4	1	
1E	0	-5259	0	-1	0	-0	0	1116.7	11.9	0.6	0.0	1128.6	1	
1I	0	-5269	0	-1	0	-0	0	1118.8	12.0	0.6	0.0	1130.7	1	
1M	0	-5263	0	-1	0	-0	0	1117.3	12.0	0.6	0.0	1129.3	1	
2	0	-6652	2	-1	0	0	-1	1412.3	36.2	1.0	0.0	1448.5	6	
3	0	-1234	1	-0	0	0	-1	262.0	24.5	0.6	0.0	286.5	6	
4	0	-4309	1	-0	0	0	-1	914.9	22.5	0.6	0.0	937.3	6	
5	0	-4152	1	-0	0	0	-1	881.5	22.6	0.6	0.0	904.1	6	
6	0	-9035	1	-1	0	-0	-0	1918.3	12.9	0.9	0.0	1931.2	1	
7	0	-1467	0	-1	0	-0	-0	311.5	6.9	0.4	0.0	318.4	1	
8	0	-5831	0	-1	0	-0	-0	1238.0	7.7	0.5	0.0	1245.7	1	
9	0	-5619	0	-1	0	-0	-0	1193.0	8.1	0.6	0.0	1201.1	1	
10	0	-6562	2	-1	0	0	-1	1393.2	36.1	1.0	0.0	1429.3	6	
11	0	-1178	1	-0	0	0	-1	250.1	24.5	0.7	0.0	274.6	6	
12	0	-4299	1	-0	0	0	-1	912.7	22.4	0.6	0.0	935.1	6	
13	0	-4085	1	-0	0	0	-1	867.3	22.6	0.6	0.0	889.9	6	
14	0	-9034	1	-1	0	-0	-0	1918.0	13.3	0.9	0.0	1931.3	1	
15	0	-1467	0	-1	0	-0	-0	311.5	6.9	0.4	0.0	318.4	1	
16	0	-5905	0	-1	0	-0	-0	1253.7	7.6	0.5	0.0	1261.3	1	
17	0	-5601	0	-1	0	-0	-0	1189.2	8.2	0.6	0.0	1197.4	1	
1A	28	-5272	-0	-1	0	-0	0	1119.2	4.1	0.6	0.0	1123.3	6	
1E	28	-5258	-0	-1	0	-0	0	1116.5	4.1	0.6	0.0	1120.5	6	
1I	28	-5268	-0	-1	0	-0	0	1118.6	4.2	0.6	0.0	1122.8	6	
1M	28	-5262	-0	-1	0	-0	0	1117.1	4.2	0.6	0.0	1121.3	6	
2	28	-6650	3	1	0	0	-1	1411.8	17.5	1.8	0.0	1429.3	6	
3	28	-1232	2	1	0	0	-0	261.7	12.2	1.1	0.0	273.9	6	
4	28	-4308	2	1	0	0	-0	914.5	11.2	1.1	0.0	925.7	6	
5	28	-4151	2	1	0	0	-0	881.2	10.9	1.1	0.0	892.1	6	
6	28	-9034	0	-1	0	-0	-0	1917.9	1.9	0.6	0.0	1919.9	1	
7	28	-1466	0	-0	0	-0	-0	311.3	2.3	0.3	0.0	313.5	6	
8	28	-5830	0	-1	0	-0	-0	1237.8	1.5	0.3	0.0	1239.3	1	
9	28	-5618	0	-1	0	-0	-0	1192.8	1.1	0.4	0.0	1193.9	1	
10	28	-6560	3	1	0	0	-1	1392.8	17.4	1.8	0.0	1410.2	6	
11	28	-1176	2	1	0	0	-0	249.8	12.1	1.1	0.0	261.9	6	
12	28	-4298	2	1	0	0	-0	912.4	11.2	1.1	0.0	923.6	6	
13	28	-4084	2	1	0	0	-0	867.0	10.8	1.1	0.0	877.8	6	
14	28	-9033	0	-1	0	-0	-0	1917.7	2.3	0.6	0.0	1920.0	1	
15	28	-1466	0	-0	0	-0	-0	311.3	2.3	0.2	0.0	313.5	6	
16	28	-5904	0	-1	0	-0	-0	1253.5	1.8	0.3	0.0	1255.3	1	
17	28	-5600	0	-1	0	-0	-0	1189.0	1.3	0.4	0.0	1190.3	1	
1A	56	-5271	-1	-1	0	0	-0	1119.0	5.3	0.6	0.0	1124.3	1	
1E	56	-5257	-1	-1	0	0	-0	1116.2	5.3	0.6	0.0	1121.6	1	
1I	56	-5267	-1	-1	0	0	-0	1118.3	5.2	0.6	0.0	1123.6	1	
1M	56	-5261	-1	-1	0	0	-0	1116.9	5.2	0.6	0.0	1122.1	1	
2	56	-6647	4	3	0	-0	0	1411.3	16.3	2.6	0.0	1427.6	6	
3	56	-1231	3	2	0	-0	0	261.4	9.5	1.6	0.0	270.9	6	
4	56	-4306	3	2	0	-0	0	914.2	9.6	1.6	0.0	923.9	6	
5	56	-4149	3	2	0	-0	0	880.9	10.3	1.6	0.0	891.2	6	
6	56	-9032	0	-1	0	0	0	1917.6	5.0	0.3	0.0	1922.6	1	
7	56	-1465	0	-0	0	0	0	311.0	1.3	0.1	0.0	312.4	1	
8	56	-5829	0	-0	0	0	0	1237.6	2.2	0.2	0.0	1239.8	1	
9	56	-5617	0	-0	0	0	0	1192.6	3.4	0.2	0.0	1196.0	1	
10	56	-6558	4	3	0	-0	0	1392.4	16.5	2.6	0.0	1408.8	6	
11	56	-1175	3	2	0	-0	0	249.5	9.8	1.6	0.0	259.2	6	
12	56	-4296	3	2	0	-0	0	912.1	9.6	1.6	0.0	921.7	6	
13	56	-4082	3	2	0	-0	0	866.7	10.4	1.6	0.0	877.0	6	
14	56	-9031	0	-1	0	0	0	1917.4	4.6	0.3	0.0	1922.0	1	
15	56	-1465	0	-0	0	0	0	311.0	1.1	0.1	0.0	312.2	1	
16	56	-5903	0	-0	0	0	0	1253.3	1.5	0.2	0.0	1254.8	1	
17	56	-5599	0	-0	0	0	0	1188.7	3.1	0.2	0.0	1191.9	1	

ASTA NUM. 53 NI 259 NF 269 Lungh. 59.2 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m				daN/cmq				
1A	0	-5273	0	1	0	0	0	1119.6	4.5	0.6	0.0	1124.1	1	
1E	0	-5263	0	1	0	0	0	1117.3	4.5	0.6	0.0	1121.8	1	
1I	0	-5271	0	1	0	0	0	1119.2	4.3	0.6	0.0	1123.4	6	
1M	0	-5265	0	1	0	0	0	1117.8	4.3	0.6	0.0	1122.0	6	

2	0	-6659	-6	-4	0	-1	1	1413.8	46.4	3.6	0.0	1460.2	6
3	0	-1238	-4	-2	0	-0	1	262.8	26.0	2.2	0.0	288.8	6
4	0	-4313	-4	-2	0	-0	1	915.7	29.5	2.2	0.0	945.2	6
5	0	-4156	-4	-2	0	-0	1	882.4	29.0	2.2	0.0	911.4	6
6	0	-9038	-1	-0	0	-0	0	1918.9	14.6	0.6	0.0	1933.5	6
7	0	-1469	-0	-0	0	-0	0	311.9	4.9	0.3	0.0	316.8	6
8	0	-5833	-1	-0	0	-0	0	1238.4	9.7	0.4	0.0	1248.1	6
9	0	-5621	-1	-0	0	-0	0	1193.4	9.1	0.4	0.0	1202.5	6
10	0	-6569	-6	-4	0	-1	1	1394.7	46.4	3.6	0.0	1441.1	6
11	0	-1182	-4	-2	0	-0	1	251.0	25.9	2.2	0.0	276.8	6
12	0	-4303	-4	-2	0	-0	1	913.6	29.5	2.2	0.0	943.1	6
13	0	-4089	-4	-2	0	-0	1	868.2	29.0	2.2	0.0	897.1	6
14	0	-9038	-1	0	0	-0	0	1918.9	14.5	0.6	0.0	1933.4	6
15	0	-1469	-0	-0	0	-0	0	311.9	5.0	0.3	0.0	316.9	6
16	0	-5907	-1	-0	0	-0	0	1254.1	10.1	0.4	0.0	1264.2	6
17	0	-5603	-1	-0	0	-0	0	1189.6	9.3	0.4	0.0	1198.9	6
1A	30	-5272	-0	1	0	-0	0	1119.4	6.4	0.6	0.0	1125.8	1
1E	30	-5262	-0	1	0	-0	0	1117.1	6.4	0.6	0.0	1123.5	1
1I	30	-5270	-0	1	0	-0	0	1119.0	6.7	0.6	0.0	1125.6	1
1M	30	-5264	-0	1	0	-0	0	1117.6	6.7	0.6	0.0	1124.2	1
2	30	-6657	-4	-2	0	0	-0	1413.3	4.9	2.8	0.0	1418.1	6
3	30	-1237	-3	-1	0	0	-0	262.5	5.3	1.7	0.0	267.8	6
4	30	-4312	-3	-1	0	0	-0	915.4	2.8	1.7	0.0	918.2	1
5	30	-4155	-3	-1	0	0	-0	882.1	3.0	1.7	0.0	885.1	6
6	30	-9037	-1	0	0	-0	0	1918.6	8.1	0.7	0.0	1926.7	1
7	30	-1468	-1	0	0	-0	-0	311.7	2.0	0.4	0.0	313.7	1
8	30	-5832	-1	0	0	-0	0	1238.2	5.2	0.5	0.0	1243.4	1
9	30	-5620	-1	0	0	-0	0	1193.2	5.1	0.4	0.0	1198.3	1
10	30	-6567	-4	-2	0	0	-0	1394.2	4.9	2.8	0.0	1399.0	6
11	30	-1181	-3	-1	0	0	-0	250.6	5.4	1.7	0.0	256.0	6
12	30	-4302	-3	-1	0	0	-0	913.3	2.8	1.7	0.0	916.0	1
13	30	-4088	-3	-1	0	0	-0	867.8	3.0	1.7	0.0	870.9	6
14	30	-9037	-1	1	0	-0	0	1918.6	8.4	0.7	0.0	1927.0	1
15	30	-1468	-1	0	0	-0	0	311.7	2.1	0.4	0.0	313.8	1
16	30	-5906	-1	0	0	-0	0	1253.9	5.4	0.5	0.0	1259.3	1
17	30	-5602	-1	0	0	-0	0	1189.4	5.3	0.4	0.0	1194.6	1
1A	59	-5271	-1	1	0	-0	0	1119.2	13.6	0.6	0.0	1132.8	1
1E	59	-5261	-1	1	0	-0	0	1116.9	13.6	0.6	0.0	1130.6	1
1I	59	-5269	-1	1	0	-0	0	1118.8	13.5	0.6	0.0	1132.2	1
1M	59	-5263	-1	1	0	-0	0	1117.3	13.5	0.6	0.0	1130.8	1
2	59	-6654	-3	0	0	0	-1	1412.7	39.0	1.9	0.0	1451.7	6
3	59	-1235	-2	0	0	0	-1	262.2	26.0	1.1	0.0	288.2	6
4	59	-4310	-2	0	0	0	-1	915.1	24.2	1.2	0.0	939.3	6
5	59	-4153	-2	0	0	0	-1	881.7	24.4	1.2	0.0	906.1	6
6	59	-9035	-1	1	0	-0	-0	1918.3	14.8	0.8	0.0	1933.0	1
7	59	-1467	-1	1	0	-0	-0	311.5	7.4	0.4	0.0	318.9	1
8	59	-5831	-1	1	0	-0	-0	1238.0	8.9	0.5	0.0	1246.9	1
9	59	-5619	-1	1	0	-0	-0	1193.0	9.3	0.5	0.0	1202.3	1
10	59	-6564	-3	0	0	0	-1	1393.6	39.0	1.9	0.0	1432.6	6
11	59	-1179	-2	0	0	0	-1	250.3	26.0	1.1	0.0	276.3	6
12	59	-4300	-2	0	0	0	-1	913.0	24.2	1.2	0.0	937.1	6
13	59	-4086	-2	0	0	0	-1	867.5	24.3	1.2	0.0	891.9	6
14	59	-9035	-1	1	0	-0	-0	1918.3	15.2	0.8	0.0	1933.5	1
15	59	-1467	-1	1	0	-0	-0	311.5	7.5	0.4	0.0	318.9	1
16	59	-5905	-1	1	0	-0	-0	1253.7	8.8	0.5	0.0	1262.5	1
17	59	-5601	-1	1	0	-0	-0	1189.2	9.4	0.5	0.0	1198.5	1

ASTA NUM. 54 NI 145 NF 267 Lungh. 60.4 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-5282	1	0	0	-0	0	1121.3	8.3	0.6	0.0	1129.7	1	
1E	0	-5272	1	0	0	-0	0	1119.4	8.3	0.6	0.0	1127.7	1	
1I	0	-5281	1	0	0	-0	0	1121.2	8.1	0.5	0.0	1129.2	1	
1M	0	-5273	1	0	0	-0	0	1119.6	8.1	0.5	0.0	1127.7	1	
2	0	-6677	-4	-5	0	-1	1	1417.6	46.7	2.8	0.0	1464.3	6	
3	0	-1250	-3	-3	0	-1	1	265.4	28.7	1.8	0.0	294.1	6	
4	0	-4325	-3	-3	0	-1	1	918.3	28.2	1.7	0.0	946.5	6	
5	0	-4168	-3	-3	0	-1	1	884.9	28.9	1.7	0.0	913.9	6	
6	0	-9052	0	-1	0	-1	0	1921.9	23.3	0.8	0.0	1945.2	1	
7	0	-1479	-0	-1	0	-0	0	314.0	12.5	0.5	0.0	326.5	1	
8	0	-5842	0	-1	0	-0	0	1240.3	13.6	0.5	0.0	1254.0	1	
9	0	-5629	0	-1	0	-0	0	1195.1	14.8	0.5	0.0	1209.9	1	
10	0	-6587	-4	-5	0	-1	1	1398.5	48.1	2.8	0.0	1446.6	6	
11	0	-1194	-3	-3	0	-1	1	253.5	29.4	1.8	0.0	282.9	6	
12	0	-4315	-3	-3	0	-1	1	916.1	29.2	1.7	0.0	945.3	6	
13	0	-4101	-3	-3	0	-1	1	870.7	29.7	1.8	0.0	900.4	6	
14	0	-9053	0	-1	0	-1	0	1922.1	23.5	0.8	0.0	1945.6	1	
15	0	-1478	-0	-1	0	-0	0	313.8	12.6	0.5	0.0	326.4	1	
16	0	-5916	0	-1	0	-0	0	1256.1	14.2	0.5	0.0	1270.2	1	
17	0	-5612	0	-1	0	-0	0	1191.5	14.6	0.5	0.0	1206.1	1	
1A	30	-5281	0	0	0	-0	0	1121.1	11.7	0.3	0.0	1132.8	6	
1E	30	-5271	0	0	0	-0	0	1119.2	11.7	0.3	0.0	1130.9	6	
1I	30	-5280	0	0	0	-0	0	1120.9	11.9	0.2	0.0	1132.8	6	
1M	30	-5272	0	0	0	-0	0	1119.4	11.9	0.2	0.0	1131.3	6	
2	30	-6675	-3	-3	0	-0	0	1417.1	4.1	1.9	0.0	1421.1	6	
3	30	-1248	-2	-2	0	0	0	265.1	1.5	1.3	0.0	266.5	6	
4	30	-4323	-2	-2	0	-0	0	917.9	1.9	1.2	0.0	919.9	6	
5	30	-4166	-2	-2	0	-0	0	884.6	2.4	1.2	0.0	887.0	6	
6	30	-9051	-0	-1	0	-0	0	1921.5	16.0	0.5	0.0	1937.6	6	
7	30	-1477	-0	-0	0	-0	0	313.7	8.0	0.3	0.0	321.7	6	
8	30	-5841	-0	-1	0	-0	0	1240.1	9.3	0.3	0.0	1249.5	6	
9	30	-5628	-0	-1	0	-0	0	1194.9	9.9	0.3	0.0	1204.8	6	
10	30	-6585	-3	-3	0	-0	0	1398.0	5.1	1.9	0.0	1403.1	6	
11	30	-1192	-2	-2	0	0	0	253.2	1.7	1.3	0.0	254.9	6	
12	30	-4313	-2	-2	0	-0	0	915.8	2.7	1.2	0.0	918.5	6	
13	30	-4099	-2	-2	0	-0	0	870.4	2.9	1.2	0.0	873.3	6	
14	30	-9052	-0	-1	0	-0	0	1921.8	16.6	0.5	0.0	1938.3	6	
15	30	-1477	-0	-0	0	-0	0	313.6	8.0	0.3	0.0	321.6	6	
16	30	-5915	-0	-1	0	-0	0	1255.8	9.7	0.3	0.0	1265.5	6	
17	30	-5611	-0	-1	0	-0	0	1191.3	9.9	0.3	0.0	1201.2	6	
1A	60	-5280	-0	0	0	-0	0	1120.9	13.6	0.0	0.0	1134.5	6	
1E	60	-5270	-0	0	0	-0	0	1119.0	13.6	0.0	0.0	1132.6	6	
1I	60	-5279	-0	0	0	-0	0	1120.7	13.1	0.1	0.0	1133.8	6	
1M	60	-5271	-0	0	0	-0	0	1119.2	13.1	0.1	0.0	1132.3	6	
2	60	-6672	-2	-1	0	0	-1	1416.6	20.8	1.0	0.0	1437.4	6	
3	60	-1247	-1	-0	0	0	-0	264.8	15.4	0.7	0.0	280.2	6	
4	60	-4322	-1	-0	0	0	-0	917.6	13.2	0.6	0.0	930.9	6	
5	60	-4165	-1	-0	0	0	-0	884.3	13.1	0.6	0.0	897.4	6	
6	60	-9049	-0	-0	0	-0	0	1921.2	12.5	0.2	0.0	1933.7	6	
7	60	-1476	-0	-0	0	-0	0	313.4	4.4	0.2	0.0	317.8	6	
8	60	-5840	-0	-0	0	-0	0	1239.9	7.5	0.1	0.0	1247.4	6	
9	60	-5627	-0	-0	0	-0	0	1194.7	7.8	0.2	0.0	1202.5	6	
10	60	-6582	-2	-1	0	0	-1	1397.5	20.1	1.0	0.0	1417.6	6	
11	60	-1191	-1	-0	0	0	-0	252.9	15.1	0.7	0.0	268.0	6	
12	60	-4312	-1	-0	0	0	-0	915.5	12.7	0.6	0.0	928.2	6	
13	60	-4098	-1	-0	0	0	-0	870.1	12.7	0.7	0.0	882.8	6	
14	60	-9050	-0	-0	0	-0	0	1921.4	13.3	0.2	0.0	1934.8	6	
15	60	-1476	-0	-0	0	-0	0	313.4	4.5	0.2	0.0	317.9	6	
16	60	-5914	-0	-0	0	-0	0	1255.6	7.9	0.1	0.0	1263.5	6	
17	60	-5610	-0	-0	0	-0	0	1191.1	7.8	0.1	0.0	1198.9	6	

ASTA NUM. 55 NI 267 NF 259 Lungh. 53.7 cm SEZ. 7 Ps L 60X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-4.6149	-1.1537	--	--	1.6518	-4.1168 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	--													
	cm		daN			daN*m				daN/cmq				
1A	0	-5276	-1	-0	0	-0	0	1120.2	15.3	0.3	0.0	1135.5	6	
1E	0	-5266	-1	-0	0	-0	0	1118.0	15.3	0.3	0.0	1133.3	6	
1I	0	-5274	-1	-0	0	-0	0	1119.8	15.8	0.3	0.0	1135.6	6	
1M	0	-5268	-1	-0	0	-0	0	1118.4	15.8	0.3	0.0	1134.2	6	
2	0	-6663	3	0	0	0	-1	1414.6	22.8	1.5	0.0	1437.4	6	
3	0	-1241	2	0	0	0	-0	263.5	16.7	1.0	0.0	280.1	6	
4	0	-4316	2	0	0	0	-0	916.3	14.5	1.0	0.0	930.8	6	
5	0	-4159	2	0	0	0	-0	883.0	14.3	1.0	0.0	897.3	6	
6	0	-9042	0	-0	0	-0	0	1919.7	12.7	0.3	0.0	1932.4	6	
7	0	-1472	0	-0	0	-0	0	312.5	4.5	0.3	0.0	317.0	6	
8	0	-5836	0	-0	0	-0	0	1239.1	7.6	0.2	0.0	1246.7	6	
9	0	-5623	0	-0	0	-0	0	1193.8	7.9	0.2	0.0	1201.7	6	
10	0	-6573	2	0	0	0	-1	1395.5	22.0	1.5	0.0	1417.6	6	
11	0	-1185	2	0	0	0	-0	251.6	16.4	0.9	0.0	268.0	6	
12	0	-4306	2	0	0	0	-0	914.2	14.0	1.0	0.0	928.2	6	
13	0	-4092	2	0	0	0	-0	868.8	13.9	0.9	0.0	882.7	6	
14	0	-9042	0	-1	0	-0	0	1919.7	13.6	0.3	0.0	1933.3	6	
15	0	-1472	0	-0	0	-0	0	312.5	4.6	0.3	0.0	317.1	6	
16	0	-5910	0	-0	0	-0	0	1254.8	8.0	0.2	0.0	1262.7	6	
17	0	-5605	0	-0	0	-0	0	1190.0	8.0	0.2	0.0	1198.0	6	
1A	27	-5275	-1	-0	0	-0	0	1120.0	8.7	0.6	0.0	1128.7	6	
1E	27	-5265	-1	-0	0	-0	0	1117.8	8.7	0.6	0.0	1126.5	6	
1I	27	-5273	-1	-0	0	-0	0	1119.6	8.7	0.6	0.0	1128.3	6	
1M	27	-5267	-1	-0	0	-0	0	1118.2	8.7	0.6	0.0	1126.9	6	
2	27	-6661	4	2	0	0	0	1414.2	6.6	2.3	0.0	1420.8	6	
3	27	-1240	2	1	0	0	0	263.2	3.4	1.4	0.0	266.5	1	
4	27	-4315	2	1	0	0	0	916.0	4.2	1.5	0.0	920.2	6	
5	27	-4158	2	1	0	0	0	882.7	4.1	1.4	0.0	886.8	6	
6	27	-9041	0	-0	0	-0	0	1919.4	12.6	0.0	0.0	1932.1	6	
7	27	-1471	-0	-0	0	-0	0	312.3	4.0	0.1	0.0	316.3	6	
8	27	-5835	0	-0	0	-0	0	1238.9	8.0	0.0	0.0	1246.9	6	

9	27	-5622	0	-0	0	-0	0	1193.6	7.9	0.0	0.0	1201.5	6
10	27	-6571	4	2	0	0	0	1395.1	6.8	2.3	0.0	1401.9	6
11	27	-1184	2	1	0	0	0	251.3	3.4	1.4	0.0	254.6	1
12	27	-4305	2	1	0	0	0	913.9	4.4	1.4	0.0	918.3	6
13	27	-4091	2	1	0	0	0	868.5	4.2	1.4	0.0	872.7	6
14	27	-9041	-0	-0	0	-0	0	1919.4	13.1	0.1	0.0	1932.6	6
15	27	-1471	-0	-0	0	-0	0	312.3	4.1	0.1	0.0	316.4	6
16	27	-5909	0	-0	0	-0	0	1254.6	8.4	0.0	0.0	1262.9	6
17	27	-5604	0	-0	0	-0	0	1189.8	8.0	0.0	0.0	1197.8	6
1A	54	-5274	-1	-0	0	0	-0	1119.8	1.2	0.9	0.0	1121.0	6
1E	54	-5264	-1	-0	0	0	-0	1117.6	1.2	0.9	0.0	1118.8	6
1I	54	-5272	-1	-0	0	0	-0	1119.4	1.7	0.9	0.0	1121.1	1
1M	54	-5266	-1	-0	0	0	-0	1118.0	1.7	0.9	0.0	1119.7	1
2	54	-6659	5	4	0	-1	1	1413.8	44.9	3.0	0.0	1458.7	6
3	54	-1238	3	2	0	-0	1	262.8	25.0	1.9	0.0	287.8	6
4	54	-4313	3	2	0	-0	1	915.7	28.5	1.9	0.0	944.2	6
5	54	-4156	3	2	0	-0	1	882.4	28.1	1.9	0.0	910.4	6
6	54	-9039	-0	0	0	-0	0	1919.1	12.7	0.2	0.0	1931.8	6
7	54	-1470	-0	0	0	-0	0	312.1	3.6	0.1	0.0	315.7	6
8	54	-5834	-0	0	0	-0	0	1238.6	8.5	0.2	0.0	1247.1	6
9	54	-5621	-0	0	0	-0	0	1193.4	7.9	0.1	0.0	1201.3	6
10	54	-6569	5	4	0	-1	1	1394.7	44.7	3.0	0.0	1439.4	6
11	54	-1182	3	2	0	-0	1	251.0	24.8	1.9	0.0	275.8	6
12	54	-4303	3	2	0	-0	1	913.6	28.5	1.9	0.0	942.1	6
13	54	-4089	3	2	0	-0	1	868.2	28.0	1.9	0.0	896.1	6
14	54	-9039	-0	0	0	-0	0	1919.1	12.4	0.2	0.0	1931.5	6
15	54	-1470	-0	0	0	-0	0	312.1	3.6	0.1	0.0	315.7	6
16	54	-5908	-0	0	0	-0	0	1254.4	8.8	0.2	0.0	1263.1	6
17	54	-5603	-0	0	0	-0	0	1189.6	8.0	0.2	0.0	1197.6	6

ASTA NUM. 56 NI 201 NF 267 Lungh. 75.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1189	-0.2797	--	--	1.4679	0.0692 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	2	1	0	0	0	0	0.7	2.6	0.6	0.0	3.3	1	
1E	0	4	1	0	0	0	0	1.7	2.6	0.6	0.0	4.3	1	
1I	0	3	1	0	0	0	0	1.0	2.7	0.6	0.0	3.6	1	
1M	0	4	1	0	0	0	0	1.4	2.7	0.6	0.0	4.0	1	
2	0	4	0	2	0	0	0	1.4	6.1	2.4	0.0	7.5	1	
3	0	3	0	1	0	0	0	1.0	3.1	1.5	0.0	4.1	1	
4	0	2	0	1	0	0	0	0.9	3.4	1.5	0.0	4.4	1	
5	0	2	0	1	0	0	0	0.9	3.7	1.5	0.0	4.6	1	
6	0	4	1	1	0	0	0	1.5	5.2	0.6	0.0	6.7	1	
7	0	3	0	0	0	0	0	1.0	2.3	0.4	0.0	3.4	1	
8	0	3	0	0	0	0	0	1.0	2.9	0.4	0.0	3.8	1	
9	0	2	0	0	0	0	0	0.9	3.3	0.4	0.0	4.2	1	
10	0	4	0	2	0	0	0	1.4	6.5	2.4	0.0	7.9	1	
11	0	3	0	1	0	0	0	1.0	3.4	1.5	0.0	4.3	1	
12	0	2	0	1	0	0	0	0.9	3.7	1.5	0.0	4.6	1	
13	0	2	0	1	0	0	0	0.9	4.0	1.5	0.0	4.9	1	
14	0	4	1	1	0	0	0	1.6	5.3	0.7	0.0	7.0	1	
15	0	3	0	0	0	0	0	1.0	2.4	0.4	0.0	3.4	1	
16	0	3	0	0	0	0	0	1.0	2.9	0.4	0.0	3.9	1	
17	0	2	0	0	0	0	0	0.9	3.3	0.4	0.0	4.2	1	
1A	38	2	-0	0	0	0	0	0.9	10.7	0.0	0.0	11.6	6	
1E	38	5	-0	0	0	0	0	1.9	10.7	0.0	0.0	12.6	6	
1I	38	3	0	0	0	0	0	1.2	10.8	0.0	0.0	12.0	6	
1M	38	4	0	0	0	0	0	1.6	10.8	0.0	0.0	12.4	6	
2	38	5	-0	0	0	-0	0	2.0	35.6	0.2	0.0	37.5	1	
3	38	3	-0	0	0	-0	0	1.3	22.6	0.1	0.0	23.9	1	
4	38	3	-0	0	0	-0	0	1.2	22.3	0.1	0.0	23.6	1	
5	38	3	-0	0	0	-0	0	1.2	22.2	0.1	0.0	23.5	1	
6	38	5	-0	0	0	-0	0	1.8	14.1	0.1	0.0	15.9	6	
7	38	3	-0	0	0	-0	0	1.3	8.9	0.0	0.0	10.1	6	
8	38	3	-0	0	0	-0	0	1.2	8.7	0.0	0.0	9.9	6	
9	38	3	-0	0	0	-0	0	1.2	8.8	0.0	0.0	9.9	6	
10	38	5	-0	0	0	-0	0	1.9	35.4	0.2	0.0	37.3	1	
11	38	3	-0	0	0	-0	0	1.3	22.5	0.1	0.0	23.8	1	
12	38	3	-0	0	0	-0	0	1.2	22.3	0.1	0.0	23.5	1	
13	38	3	-0	0	0	-0	0	1.2	22.2	0.1	0.0	23.4	1	
14	38	5	-0	0	0	-0	0	2.0	15.0	0.1	0.0	17.0	6	
15	38	3	-0	0	0	-0	0	1.3	8.9	0.0	0.0	10.2	6	
16	38	3	-0	0	0	-0	0	1.2	8.7	0.0	0.0	9.9	6	
17	38	3	-0	0	0	-0	0	1.1	8.8	0.0	0.0	10.0	6	
1A	76	3	-1	0	0	0	0	1.1	1.9	0.6	0.0	2.9	1	
1E	76	6	-1	0	0	0	0	2.1	1.9	0.6	0.0	3.9	1	
1I	76	4	-1	0	0	0	0	1.4	1.8	0.6	0.0	3.2	1	
1M	76	5	-1	0	0	0	0	1.8	1.8	0.6	0.0	3.6	1	
2	76	7	-0	-2	0	-0	-0	2.5	7.1	2.1	0.0	9.6	1	
3	76	4	-0	-1	0	-0	-0	1.6	4.6	1.3	0.0	6.2	1	
4	76	4	-0	-1	0	-0	-0	1.6	4.6	1.3	0.0	6.2	1	
5	76	4	-0	-1	0	-0	-0	1.6	4.5	1.3	0.0	6.0	1	
6	76	6	-1	-0	0	0	0	2.2	1.3	0.7	0.0	3.5	6	
7	76	4	-0	-0	0	0	0	1.5	0.7	0.4	0.0	2.2	6	
8	76	4	-0	-0	0	0	0	1.4	0.7	0.4	0.0	2.1	6	
9	76	4	-0	-0	0	0	0	1.4	0.8	0.4	0.0	2.2	6	
10	76	7	-0	-2	0	-0	-0	2.5	7.0	2.0	0.0	9.5	1	
11	76	4	-0	-1	0	-0	-0	1.6	4.6	1.3	0.0	6.2	1	
12	76	4	-0	-1	0	-0	-0	1.6	4.5	1.3	0.0	6.1	1	
13	76	4	-0	-1	0	-0	-0	1.5	4.4	1.3	0.0	5.9	1	
14	76	6	-1	-0	0	0	0	2.4	1.5	0.7	0.0	3.9	6	
15	76	4	-0	-0	0	0	0	1.5	0.7	0.4	0.0	2.2	6	
16	76	4	-0	-0	0	0	0	1.4	0.7	0.4	0.0	2.1	6	
17	76	4	-0	-0	0	0	0	1.4	0.8	0.4	0.0	2.2	6	

ASTA NUM. 57 NI 201 NF 266 Lungh. 75.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.1189	-0.2797	--	--	1.4679	0.0692 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm		daN			daN*m			daN/cmq					
1A	0	1	1	-0	0	-0	0	0.4	1.4	0.6	0.0	1.8	1	
1E	0	4	1	-0	0	-0	0	1.4	1.4	0.6	0.0	2.8	1	
1I	0	2	1	-0	0	-0	0	0.7	1.3	0.6	0.0	2.0	1	
1M	0	3	1	-0	0	-0	0	1.1	1.3	0.6	0.0	2.3	1	
2	0	2	0	-2	0	-0	0	0.9	11.1	2.5	0.0	12.0	1	
3	0	2	0	-1	0	-0	0	0.7	6.1	1.6	0.0	6.8	1	
4	0	2	0	-1	0	-0	0	0.6	6.9	1.6	0.0	7.5	1	
5	0	2	0	-1	0	-0	0	0.6	6.9	1.6	0.0	7.5	1	
6	0	3	1	-1	0	-0	0	1.0	5.6	0.7	0.0	6.6	1	
7	0	2	0	-0	0	-0	0	0.8	2.0	0.4	0.0	2.8	1	
8	0	2	0	-0	0	-0	0	0.6	3.5	0.4	0.0	4.1	1	
9	0	2	0	-0	0	-0	0	0.6	3.5	0.4	0.0	4.1	1	
10	0	2	0	-2	0	-0	0	0.9	11.4	2.5	0.0	12.3	1	
11	0	2	0	-1	0	-0	0	0.7	6.2	1.6	0.0	6.9	1	
12	0	1	0	-1	0	-0	0	0.6	7.1	1.6	0.0	7.7	1	
13	0	2	0	-1	0	-0	0	0.6	7.0	1.6	0.0	7.6	1	
14	0	3	1	-1	0	-0	0	1.1	5.6	0.7	0.0	6.8	1	
15	0	2	0	-0	0	-0	0	0.8	2.1	0.4	0.0	2.9	1	
16	0	2	0	-0	0	-0	0	0.6	3.7	0.4	0.0	4.3	1	
17	0	2	0	-0	0	-0	0	0.6	3.5	0.4	0.0	4.1	1	
1A	38	2	0	-0	0	-0	0	0.6	11.1	0.0	0.0	11.7	6	
1E	38	4	0	-0	0	-0	0	1.6	11.1	0.0	0.0	12.7	6	
1I	38	2	0	-0	0	-0	0	0.9	11.2	0.0	0.0	12.1	6	
1M	38	3	0	-0	0	-0	0	1.3	11.2	0.0	0.0	12.5	6	
2	38	4	-0	-0	0	0	0	1.5	35.2	0.3	0.0	36.7	1	
3	38	3	-0	-0	0	0	0	1.0	22.0	0.2	0.0	23.0	1	
4	38	2	-0	-0	0	0	0	0.9	22.0	0.2	0.0	22.9	1	
5	38	2	-0	-0	0	0	0	0.9	22.0	0.2	0.0	22.9	1	
6	38	4	0	-0	0	0	0	1.4	16.0	0.1	0.0	17.4	6	
7	38	3	0	-0	0	0	0	1.1	9.3	0.1	0.0	10.3	6	
8	38	2	0	-0	0	0	0	0.9	10.0	0.1	0.0	10.9	6	
9	38	2	0	-0	0	0	0	0.9	10.0	0.1	0.0	10.9	6	
10	38	4	-0	-0	0	0	0	1.4	35.1	0.3	0.0	36.6	1	
11	38	3	-0	-0	0	0	0	1.0	22.0	0.2	0.0	23.0	1	
12	38	2	-0	-0	0	0	0	0.9	21.9	0.2	0.0	22.8	1	
13	38	2	-0	-0	0	0	0	0.9	22.0	0.2	0.0	22.9	1	
14	38	4	0	-0	0	0	0	1.5	17.0	0.1	0.0	18.5	6	
15	38	3	0	-0	0	0	0	1.0	9.3	0.1	0.0	10.3	6	
16	38	2	0	-0	0	0	0	0.8	10.1	0.1	0.0	10.9	6	
17	38	2	0	-0	0	0	0	0.9	10.0	0.1	0.0	10.9	6	
1A	76	2	-1	-0	0	-0	0	0.8	3.1	0.6	0.0	3.9	6	
1E	76	5	-1	-0	0	-0	0	1.8	3.1	0.6	0.0	4.9	6	
1I	76	3	-1	-0	0	-0	0	1.1	3.3	0.6	0.0	4.4	6	
1M	76	4	-1	-0	0	-0	0	1.5	3.3	0.6	0.0	4.8	6	
2	76	5	-0	2	0	0	0	2.0	7.9	2.0	0.0	9.9	1	
3	76	4	-0	1	0	0	-0	1.4	5.0	1.2	0.0	6.3	1	
4	76	3	-0	1	0	0	0	1.2	4.9	1.2	0.0	6.1	1	
5	76	3	-0	1	0	0	0	1.2	4.9	1.2	0.0	6.2	1	
6	76	5	-1	0	0	0	0	1.7	4.8	0.6	0.0	6.6	6	
7	76	3	-0	0	0	0	0	1.3	2.1	0.4	0.0	3.3	6	
8	76	3	-0	0	0	0	0	1.1	3.0	0.4	0.0	4.1	6	
9	76	3	-0	0	0	0	0	1.1	3.0	0.4	0.0	4.1	6	
10	76	5	-0	2	0	0	0	2.0	8.0	2.0	0.0	9.9	1	
11	76	4	-0	1	0	0	-0	1.4	5.0	1.2	0.0	6.4	1	
12	76	3	-0	1	0	0	0	1.2	4.9	1.2	0.0	6.1	1	
13	76	3	-0	1	0	0	0	1.2	5.0	1.2	0.0	6.2	1	
14	76	5	-1	0	0	0	0	1.9	5.0	0.7	0.0	6.9	6	
15	76	3	-0	0	0	0	0	1.3	2.1	0.4	0.0	3.4	6	

16	76	3	-0	0	0	0	0	1.1	3.0	0.4	0.0	4.1	6
17	76	3	-0	0	0	0	0	1.1	3.0	0.4	0.0	4.1	6

ASTA NUM. 58 NI 266 NF 267 Lungh. 97.7 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-4	1	-0	0	-0	0	1.6	3.1	1.1	0.0	4.7	1	
1E	0	-4	1	-0	0	-0	0	1.3	3.1	1.1	0.0	4.4	1	
1I	0	-4	1	-0	0	-0	0	1.6	2.9	1.1	0.0	4.6	1	
1M	0	-4	1	-0	0	-0	0	1.3	2.9	1.1	0.0	4.3	1	
2	0	-8	1	3	0	0	0	2.9	5.2	3.2	0.0	8.1	6	
3	0	-5	1	2	0	0	0	2.0	3.2	2.0	0.0	5.2	1	
4	0	-5	1	2	0	0	0	1.8	3.2	2.0	0.0	5.0	6	
5	0	-5	1	2	0	0	0	1.8	3.2	2.0	0.0	5.0	6	
6	0	-6	1	1	0	-0	0	2.1	3.7	1.5	0.0	5.7	1	
7	0	-4	1	0	0	-0	0	1.5	1.4	0.9	0.0	2.9	6	
8	0	-4	1	0	0	-0	0	1.3	2.3	0.9	0.0	3.6	1	
9	0	-3	1	0	0	-0	0	1.3	2.3	0.9	0.0	3.5	1	
10	0	-8	1	3	0	0	0	2.8	5.2	3.2	0.0	8.0	6	
11	0	-5	1	2	0	0	0	1.9	3.2	2.0	0.0	5.1	1	
12	0	-5	1	2	0	0	0	1.8	3.2	2.0	0.0	5.0	6	
13	0	-5	1	2	0	0	0	1.8	3.3	2.0	0.0	5.0	6	
14	0	-6	2	1	0	-0	0	2.2	3.8	1.6	0.0	6.1	1	
15	0	-4	1	0	0	-0	0	1.5	1.5	0.9	0.0	3.0	6	
16	0	-4	1	0	0	-0	0	1.3	2.3	0.9	0.0	3.7	1	
17	0	-3	1	0	0	-0	0	1.3	2.3	0.9	0.0	3.6	1	
1A	49	-4	-0	-0	0	-0	0	1.6	22.3	0.0	0.0	23.9	6	
1E	49	-4	-0	-0	0	-0	0	1.3	22.3	0.0	0.0	23.6	6	
1I	49	-4	-0	-0	0	-0	0	1.6	22.4	0.0	0.0	24.0	6	
1M	49	-4	-0	-0	0	-0	0	1.3	22.4	0.0	0.0	23.7	6	
2	49	-8	-0	-0	0	-1	0	2.9	72.9	0.0	0.0	75.8	1	
3	49	-5	-0	-0	0	-0	0	2.0	45.2	0.0	0.0	47.1	1	
4	49	-5	-0	-0	0	-0	0	1.8	45.5	0.0	0.0	47.3	1	
5	49	-5	-0	-0	0	-0	0	1.8	45.5	0.0	0.0	47.3	1	
6	49	-6	-0	-0	0	-0	0	2.1	37.8	0.0	0.0	39.9	6	
7	49	-4	-0	-0	0	-0	0	1.5	23.3	0.0	0.0	24.8	6	
8	49	-4	-0	-0	0	-0	0	1.3	23.6	0.0	0.0	24.9	6	
9	49	-3	-0	-0	0	-0	0	1.3	23.6	0.0	0.0	24.9	6	
10	49	-8	-0	-0	0	-1	0	2.8	73.0	0.0	0.0	75.8	1	
11	49	-5	-0	-0	0	-0	0	1.9	45.2	0.0	0.0	47.1	1	
12	49	-5	-0	-0	0	-0	0	1.8	45.6	0.0	0.0	47.4	1	
13	49	-5	-0	-0	0	-0	0	1.8	45.6	0.0	0.0	47.4	1	
14	49	-6	-0	-0	0	-0	0	2.2	40.0	0.0	0.0	42.3	6	
15	49	-4	-0	-0	0	-0	0	1.5	23.3	0.0	0.0	24.8	6	
16	49	-4	-0	-0	0	-0	0	1.3	23.7	0.0	0.0	25.0	6	
17	49	-3	-0	-0	0	-0	0	1.3	23.7	0.0	0.0	24.9	6	
1A	98	-4	-1	-0	0	-0	-0	1.6	2.2	1.1	0.0	3.8	1	
1E	98	-4	-1	-0	0	-0	-0	1.3	2.2	1.1	0.0	3.5	1	
1I	98	-4	-1	-0	0	-0	0	1.6	1.7	1.1	0.0	3.3	1	
1M	98	-4	-1	-0	0	-0	0	1.3	1.7	1.1	0.0	3.0	1	
2	98	-8	-1	-3	0	0	0	2.9	6.1	3.3	0.0	9.0	1	
3	98	-5	-1	-2	0	0	0	2.0	3.9	2.0	0.0	5.9	1	
4	98	-5	-1	-2	0	0	0	1.8	3.9	2.1	0.0	5.7	1	
5	98	-5	-1	-2	0	0	0	1.8	3.8	2.1	0.0	5.6	1	
6	98	-6	-1	-1	0	-0	0	2.1	0.9	1.5	0.0	3.8	4	
7	98	-4	-1	-0	0	-0	0	1.5	0.4	1.0	0.0	2.5	4	
8	98	-4	-1	-0	0	-0	0	1.3	0.4	1.0	0.0	2.3	4	
9	98	-3	-1	-0	0	-0	0	1.3	0.6	1.0	0.0	2.3	4	
10	98	-8	-1	-3	0	0	0	2.8	6.0	3.3	0.0	8.8	1	
11	98	-5	-1	-2	0	0	0	1.9	3.9	2.0	0.0	5.8	1	
12	98	-5	-1	-2	0	0	0	1.8	3.9	2.1	0.0	5.7	1	
13	98	-5	-1	-2	0	0	0	1.8	3.7	2.1	0.0	5.5	1	
14	98	-6	-2	-1	0	-0	0	2.2	1.0	1.7	0.0	4.0	4	
15	98	-4	-1	-0	0	-0	0	1.5	0.4	1.0	0.0	2.4	4	
16	98	-4	-1	-0	0	-0	0	1.3	0.4	1.0	0.0	2.3	4	
17	98	-3	-1	-0	0	-0	0	1.3	0.6	1.0	0.0	2.3	4	

ASTA NUM. 59 NI 266 NF 269 Lungh. 126.1 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	-1.6304	-0.4076	--	--	1.2551	-0.7829 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-6	1	0	0	0	0	2.1	2.8	0.8	0.0	4.8	6	
1E	0	-2	1	0	0	0	0	0.8	2.8	0.8	0.0	3.6	6	
1I	0	-4	1	0	0	0	0	1.6	2.6	0.8	0.0	4.3	6	
1M	0	-3	1	0	0	0	0	1.2	2.6	0.8	0.0	3.9	6	
2	0	-6	-0	3	0	0	0	2.4	6.1	3.4	0.0	8.5	1	
3	0	-3	-0	2	0	0	0	1.3	3.1	2.1	0.0	4.5	6	
4	0	-4	-0	2	0	0	0	1.4	3.7	2.2	0.0	5.1	1	
5	0	-4	-0	2	0	0	0	1.5	3.8	2.2	0.0	5.3	1	
6	0	-6	1	1	0	0	0	2.4	5.2	0.9	0.0	7.6	1	
7	0	-3	0	1	0	0	0	1.3	2.4	0.6	0.0	3.6	6	
8	0	-4	0	1	0	0	0	1.4	3.1	0.6	0.0	4.5	1	
9	0	-4	0	1	0	0	0	1.5	3.3	0.6	0.0	4.8	1	
10	0	-6	-0	3	0	0	0	2.4	6.4	3.4	0.0	8.8	1	
11	0	-4	-0	2	0	0	0	1.3	3.3	2.1	0.0	4.6	6	
12	0	-4	-0	2	0	0	0	1.4	3.8	2.2	0.0	5.2	1	
13	0	-4	-0	2	0	0	0	1.5	4.0	2.2	0.0	5.5	1	
14	0	-7	1	1	0	0	0	2.4	5.3	0.9	0.0	7.8	1	
15	0	-3	0	1	0	0	0	1.3	2.4	0.6	0.0	3.7	6	
16	0	-4	0	1	0	0	0	1.3	3.1	0.6	0.0	4.4	1	
17	0	-4	0	1	0	0	0	1.5	3.4	0.6	0.0	4.9	1	
1A	63	-4	-0	0	0	0	0	1.7	23.4	0.0	0.0	25.0	6	
1E	63	-1	-0	0	0	0	0	0.4	23.4	0.0	0.0	23.8	6	
1I	63	-3	-0	0	0	0	0	1.2	23.3	0.0	0.0	24.5	6	
1M	63	-2	-0	0	0	0	0	0.8	23.3	0.0	0.0	24.1	6	
2	63	-4	0	-0	0	-1	-0	1.4	85.2	0.0	0.0	86.6	1	
3	63	-2	0	-0	0	-1	-0	0.7	53.9	0.0	0.0	54.5	1	
4	63	-2	0	-0	0	-1	-0	0.8	53.3	0.0	0.0	54.1	1	
5	63	-2	0	-0	0	-1	-0	0.9	53.2	0.0	0.0	54.1	1	
6	63	-5	0	0	0	-0	0	1.8	30.9	0.0	0.0	32.7	6	
7	63	-2	0	0	0	-0	0	0.9	19.1	0.0	0.0	20.0	6	
8	63	-3	0	0	0	-0	0	1.0	19.2	0.0	0.0	20.2	6	
9	63	-3	0	0	0	-0	0	1.1	19.3	0.0	0.0	20.5	6	
10	63	-4	0	-0	0	-1	-0	1.4	85.0	0.0	0.0	86.5	1	
11	63	-2	0	-0	0	-1	-0	0.7	53.8	0.0	0.0	54.5	1	
12	63	-2	0	-0	0	-1	-0	0.8	53.2	0.0	0.0	54.0	1	
13	63	-2	0	-0	0	-1	-0	0.9	53.1	0.0	0.0	54.0	1	
14	63	-5	0	0	0	-0	0	1.7	33.0	0.0	0.0	34.8	6	
15	63	-2	0	0	0	-0	0	0.9	19.1	0.0	0.0	20.0	6	
16	63	-2	0	0	0	-0	0	0.9	19.2	0.0	0.0	20.1	6	
17	63	-3	0	0	0	-0	0	1.1	19.4	0.0	0.0	20.5	6	
1A	126	-3	-1	0	0	-0	0	1.3	2.0	0.8	0.0	3.3	6	
1E	126	-0	-1	0	0	-0	0	0.0	2.0	0.8	0.0	2.0	6	
1I	126	-2	-1	0	0	-0	0	0.8	2.0	0.8	0.0	2.8	6	
1M	126	-1	-1	0	0	-0	0	0.4	2.0	0.8	0.0	2.4	6	
2	126	-1	0	-3	0	0	0	0.4	7.0	3.5	0.0	7.4	6	
3	126	-0	0	-2	0	0	0	0.1	3.8	2.2	0.0	4.0	4	
4	126	-0	0	-2	0	0	0	0.2	4.3	2.2	0.0	4.5	6	
5	126	-1	0	-2	0	0	0	0.3	4.4	2.2	0.0	4.7	6	
6	126	-3	-1	-1	0	0	0	1.1	4.2	0.8	0.0	5.3	6	
7	126	-1	-0	-0	0	0	0	0.5	1.9	0.5	0.0	2.3	6	
8	126	-2	-0	-0	0	0	0	0.6	2.6	0.5	0.0	3.2	6	
9	126	-2	-0	-0	0	0	0	0.7	2.7	0.5	0.0	3.4	6	
10	126	-1	0	-3	0	0	0	0.4	7.2	3.5	0.0	7.6	6	
11	126	-0	0	-2	0	0	0	0.1	3.9	2.2	0.0	4.0	4	
12	126	-0	0	-2	0	0	0	0.2	4.4	2.2	0.0	4.5	6	
13	126	-1	0	-2	0	0	0	0.3	4.5	2.2	0.0	4.8	6	
14	126	-3	-1	-1	0	0	0	1.0	4.3	0.8	0.0	5.3	6	
15	126	-1	-0	-0	0	0	0	0.4	1.9	0.5	0.0	2.4	6	
16	126	-1	-0	-0	0	0	0	0.5	2.6	0.5	0.0	3.1	6	
17	126	-2	-0	-0	0	0	0	0.7	2.8	0.5	0.0	3.5	6	

ASTA NUM. 60 NI 269 NF 268 Lungh. 32.3 cm SEZ. 22 Ps L 35X 4

qy medio cond.:	A	B	C	D	E	F	G	H	p.p. y	qy tot.
	--	--	--	--	--	--	--	--	2.0959	2.0959 daN/m

NC	x	Fx	Fy	Fz	Mx	My	Mz	Sf(Fx)	Sf(M)	taglio	tors.	Sf.id.	Loc.	Nota
	cm	daN			daN*m			daN/cmq						
1A	0	-1	1	-0	0	-0	-0	0.3	5.0	0.7	0.0	5.3	6	
1E	0	0	1	-0	0	-0	-0	0.1	5.0	0.7	0.0	5.1	6	
1I	0	-1	1	-0	0	-0	-0	0.2	5.4	0.7	0.0	5.6	6	
1M	0	-0	1	-0	0	-0	-0	0.0	5.4	0.7	0.0	5.4	6	
2	0	-2	1	-1	0	0	-0	0.7	10.7	1.0	0.0	11.5	6	
3	0	-1	0	-1	0	0	-0	0.5	5.1	0.6	0.0	5.6	6	
4	0	-1	1	-1	0	0	-0	0.5	6.7	0.7	0.0	7.2	6	
5	0	-1	1	-1	0	0	-0	0.4	6.7	0.6	0.0	7.2	6	
6	0	-1	1	-0	0	-0	-0	0.2	10.0	1.1	0.0	10.2	6	
7	0	-1	0	-0	0	-0	-0	0.2	3.7	0.5	0.0	3.9	6	
8	0	-0	1	-0	0	-0	-0	0.2	6.2	0.7	0.0	6.4	6	
9	0	-0	1	-0	0	-0	-0	0.1	6.2	0.7	0.0	6.3	6	
10	0	-2	1	-1	0	0	-0	0.7	10.8	1.0	0.0	11.5	6	
11	0	-1	0	-1	0	0	-0	0.5	5.1	0.6	0.0	5.6	6	

12	0	-1	1	-1	0	0	-0	0.5	6.7	0.6	0.0	7.2	6
13	0	-1	1	-1	0	0	-0	0.4	6.8	0.6	0.0	7.2	6
14	0	-1	1	-0	0	-0	-0	0.2	10.1	1.2	0.0	10.3	6
15	0	-1	0	-0	0	-0	-0	0.2	3.7	0.5	0.0	3.9	6
16	0	-0	1	-0	0	-0	-0	0.2	6.2	0.7	0.0	6.4	6
17	0	-0	1	-0	0	-0	-0	0.1	6.2	0.7	0.0	6.3	6
1A	16	-1	0	-0	0	-0	0	0.3	1.6	0.3	0.0	2.0	6
1E	16	0	0	-0	0	-0	0	0.1	1.6	0.3	0.0	1.7	6
1I	16	-1	0	-0	0	-0	0	0.2	1.6	0.3	0.0	1.9	6
1M	16	-0	0	-0	0	-0	0	0.0	1.6	0.3	0.0	1.7	6
2	16	-2	0	0	0	0	0	0.7	8.5	0.5	0.0	9.2	1
3	16	-1	0	0	0	0	0	0.5	5.1	0.2	0.0	5.6	1
4	16	-1	0	0	0	0	0	0.5	5.3	0.3	0.0	5.8	1
5	16	-1	0	0	0	0	0	0.4	5.3	0.3	0.0	5.8	1
6	16	-1	1	-0	0	0	0	0.2	3.0	0.6	0.0	3.2	1
7	16	-1	0	-0	0	0	0	0.2	1.1	0.2	0.0	1.3	1
8	16	-0	0	-0	0	0	0	0.2	1.9	0.4	0.0	2.1	1
9	16	-0	0	-0	0	0	0	0.1	1.9	0.4	0.0	2.0	1
10	16	-2	0	0	0	0	0	0.7	8.5	0.5	0.0	9.3	1
11	16	-1	0	0	0	0	0	0.5	5.1	0.2	0.0	5.6	1
12	16	-1	0	0	0	0	0	0.5	5.3	0.3	0.0	5.8	1
13	16	-1	0	0	0	0	0	0.4	5.4	0.3	0.0	5.8	1
14	16	-1	1	-0	0	0	0	0.2	3.1	0.6	0.0	3.3	1
15	16	-1	0	-0	0	0	0	0.2	1.1	0.2	0.0	1.3	1
16	16	-0	0	-0	0	0	0	0.2	1.9	0.4	0.0	2.1	1
17	16	-0	0	-0	0	0	0	0.1	1.9	0.4	0.0	2.1	1
1A	32	-1	-0	-0	0	0	0	0.3	3.5	0.1	0.0	3.9	6
1E	32	0	-0	-0	0	0	0	0.1	3.5	0.1	0.0	3.6	6
1I	32	-1	-0	-0	0	0	0	0.2	4.0	0.1	0.0	4.2	6
1M	32	-0	-0	-0	0	0	0	0.0	4.0	0.1	0.0	4.0	6
2	32	-2	-0	1	0	0	0	0.7	3.4	1.1	0.0	4.1	6
3	32	-1	-0	1	0	-0	0	0.5	0.2	0.7	0.0	1.4	3
4	32	-1	-0	1	0	0	0	0.5	2.1	0.7	0.0	2.6	6
5	32	-1	-0	1	0	0	0	0.4	2.1	0.7	0.0	2.6	6
6	32	-1	0	0	0	0	0	0.2	7.4	0.1	0.0	7.6	6
7	32	-1	-0	0	0	0	0	0.2	1.2	0.1	0.0	1.4	6
8	32	-0	0	0	0	0	0	0.2	4.7	0.1	0.0	4.8	6
9	32	-0	0	0	0	0	0	0.1	4.6	0.1	0.0	4.7	6
10	32	-2	-0	1	0	0	0	0.7	3.3	1.1	0.0	4.0	6
11	32	-1	-0	1	0	-0	0	0.5	0.2	0.7	0.0	1.4	3
12	32	-1	-0	1	0	0	0	0.5	2.1	0.7	0.0	2.6	6
13	32	-1	-0	1	0	0	0	0.4	2.1	0.7	0.0	2.5	6
14	32	-1	0	0	0	0	0	0.2	7.3	0.1	0.0	7.5	6
15	32	-1	-0	0	0	0	0	0.2	1.2	0.1	0.0	1.4	6
16	32	-0	0	0	0	0	0	0.2	4.7	0.1	0.0	4.9	6
17	32	-0	0	0	0	0	0	0.1	4.6	0.1	0.0	4.7	6

CONCLUSIONI

Sulla base delle analisi effettuate secondo i criteri dello “stato limite ultimo” e da quanto previsto dall’OPCM 3274/2003, risulta che per tutte le combinazioni di carico applicate gli elementi strutturali del sostegno risultano verificati, inoltre si può affermare che lo stato tensionale negli elementi strutturali del traliccio esaminato,conseguente alle azioni sismiche, risulta sempre inferiore al valore limite dato dalla normativa sismica in vigore.