



REGIONE EMILIA ROMAGNA
COMUNE DI PORTOMAGGIORE

NUOVA COCCODI' s.r.l.

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**NUOVA COSTRUZIONE DI EDIFICIO IN CARPENTERIA
METALLICA DA ADIBIRE A SALA UOVA**
Via Grillo Braglia 11 Portoverrara FE

**RELAZIONE GEOTECNICA E SULLE
FONDAZIONI**

(L.R. 19/2008 del 30.10.2008)

PROGETTO STRUTTURALE ALLEGATO ALLA RICHIESTA DI AUTORIZZAZIONE SISMICA

Elaborato: **7106/21 RELAZIONE GEOTECNICA**

REVISIONI		Data	Descrizione	Redatto
	D			
	C			
	B			
	A	-	Prima emissione	Nome tecnico

PROGETTISTA STRUTTURALE
ING. CARLO GUIDUCCI

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1**CARATTERIZZAZIONE GEOLOGICA DEL SITO****1.1 UBICAZIONE**

Via Grillo Braglia 11 Portoverrara di Portomaggiore Ferrara

Latitudine: 44°, 6339

Longitudine: 11°,8888

1.3 CARATTERIZZAZIONE SISMICA

I terreni presenti sono classificabili secondo i seguenti parametri:

Categoria di sottosuolo: C

Fattore di amplificazione: T1

1.2 CARATTERIZZAZIONE GEOLOGICA DEL SITO

L'area di intervento ricade in un'area di bacino interfluviale, dove i fiumi hanno depositato nel tempo le loro alluvioni distali e risulta inoltre attraversata da una serie di paleoalvei minori, che interessano il sito di intervento.

La zona ha una morfologia pianeggiante.

In relazione geologica, con particolare riferimento alla zona di nuova edificazione è riportata la stratigrafia del terreno

2**SCELTA DEL SISTEMA DI FONDAZIONE**

La fondazione sarà realizzata attraverso una platea dello spessore di 40 cm irrigidita nell'asse delle colonne e su pali del diametro di 40 cm.

I pali verranno spinti ad una profondità di 40 cm.

3**CARATTERIZZAZIONE FISICO-MECCANICA DEI MATERIALI**

Per la definizione dei parametri si rimanda alla relazione geologica allegata.

4**SCELTA DEL TIPO DI APPROCCIO****4.1 TIPO DI APPROCCIO**

Nelle verifiche nei confronti degli Stati Limite ultimi SLU strutturali (STR) e geotecnici (GEO) si possono adottare i seguenti approcci progettuali:

- verifiche di tipo geotecnico (GEO) :
collasso per carico limite dell'insieme terreno-fondazione
- verifiche di tipo strutturale (STR) :
raggiungimento della resistenza negli elementi strutturali

→ **APPROCCIO 2** (A1+M1+R3).

Per ogni stato limite ultimo deve essere rispettata la condizione:

$$\begin{array}{ccc}
 \mathbf{Ed} & \leq & \mathbf{Rd} \\
 \text{valore di progetto dell'azione o dell'effetto dell'azione} & \leq & \text{valore di progetto della resistenza del sistema} \\
 \text{geotecnico} & &
 \end{array}$$

4.2 COEFFICIENTI

COEFFICIENTI VERIFICHE GEOTECNICHE (A1+M1+R3)

A1 – AZIONI

Permanenti	γ_{G1}	1,3
Permanenti non strutturali	γ_{G2}	1,5
Variabili	γ_{G3}	1,5

M1 – PARAMETRI GEOTECNICI

Angolo di resistenza al taglio	γ'	1,0
Coesione efficace	$\gamma_{c'}$	1,0
Resistenza non drenata	γ_{cu}	1,0
Peso per unità di volume	γ_r	1,0

R3 – RESISTENZE

Capacità portante	γ_r	2,3
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COEFFICIENTI VERIFICHE STRUTTURALI (A1+M1+R3)

A1 – AZIONI

Permanenti	γ_{G1}	1,3
Permanenti non strutturali	γ_{G2}	1,5
Variabili	γ_{G3}	1,5

M1 – PARAMETRI GEOTECNICI

Angolo di resistenza al taglio	γ'	1,0
Coesione efficace	$\gamma_{c'}$	1,0
Resistenza non drenata	γ_{cu}	1,0
Peso per unità di volume	γ_r	1,0

R3– RESISTENZE

Capacità portante	γ_r	1,0
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PORTATA ALLA BASE - protocollo di Berenzantzev

n° strato	tipo di terreno	ΔH_i [m]	H_f [m]	γ_n [kN/m ³]	γ' [kN/m ³]	N_{SPT} [-]	ϕ [°]	K [-]	c_u [kPa]	α [-]	c_a [kPa]
7	0	6,90	15,70	20,00	10,00	0,00	36,00	0,50	0,00	0,00	0,00

H/D	Rapporto lunghezza/diametro	32,5	adim	ϕ	26	30	34	37	40
A_b	Area della base del palo	0,13	[m ²]	B_k	20,00	33,00	63,00	104,00	186,00
σ_{vL}	Pressione geostatica di base	118,69	[kPa]	H/D	26	30	34	37	40
$N_q = v B_k$	Coeff. di pressione geostatica	61,12556		5,00	0,75	0,77	0,81	0,83	0,85
c	Coesione alla base	0,00	[kPa]	10,00	0,62	0,67	0,73	0,76	0,79
N_c	Coeff. di coesione	9		15,00	0,55	0,61	0,68	0,73	0,77
Q_{b,lim}	Portata limite di base	912	[kN]	20,00	0,49	0,57	0,65	0,71	0,75
Q_{b,amm}	Portata amm. di base	629	[kN]	25,00	0,44	0,53	0,63	0,70	0,74

PORTATA LATERALE - protocollo di Viggiani

		$\sigma_{v,i}$	$\sigma_{v,(i+1)}$	$\sigma_{v,med}$	$\sigma_{h,med}$		C_a		σ_{tot}
$\sigma_{h,1}$	tensione laterale strato 1°	0	0	0	0	[kPa]	0,00	0	0,00
$\sigma_{h,2}$	tensione laterale strato 2°	0	0	0	0	[kPa]	0,00	0	0,00
$\sigma_{h,3}$	tensione laterale strato 3°	0	0	0	0	[kPa]	0,00	0	0,00
$\sigma_{h,4}$	tensione laterale strato 4°	0	10	0	0	[kPa]	0,00	0	0,00
$\sigma_{h,5}$	tensione laterale strato 5°	10	10	10	0	[kPa]	0,00	0	0,00
$\sigma_{h,6}$	tensione laterale strato 6°	10	10	10	0	[kPa]	0,00	0	0,00
$\sigma_{h,7}$	tensione laterale strato 7°	10	20,89	15,445	7,7225	[kPa]	4,90	0	4,90
$\sigma_{h,8}$	tensione laterale strato 8°	20,89	29,89	25,39	12,695	[kPa]	39,00	0	39,00
$\sigma_{h,9}$	tensione laterale strato 9°	29,89	35,89	32,89	16,445	[kPa]	17,99	0	17,99
$\sigma_{h,10}$	tensione laterale strato 10°	35,89	41,29	38,59	19,295	[kPa]	19,80	0	19,80
$\sigma_{h,11}$	tensione laterale strato 11°	41,29	49,69	45,49	22,745	[kPa]	17,50	0	17,50
$\sigma_{h,12}$	tensione laterale strato 12°	49,69	118,69	84,19	42,095	[kPa]	0,00	0,628319	30,58
$\sigma_{h,13}$	tensione laterale strato 13°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,14}$	tensione laterale strato 14°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,15}$	tensione laterale strato 15°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,16}$	tensione laterale strato 16°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,17}$	tensione laterale strato 17°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,18}$	tensione laterale strato 18°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,19}$	tensione laterale strato 19°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00
$\sigma_{h,20}$	tensione laterale strato 20°	118,69	118,69	118,69	0	[kPa]	0,00	0	0,00

Q_{l,lim}	Portata limite laterale	479,27	[kN]	Peso proprio palo	49,32	[kN]	<input checked="" type="radio"/>
Q_{l,amm}	Portata amm. laterale	330,53	[kN]				<input type="radio"/>

La verifica risulta soddisfatta.

PORTATA TOTALE DEL PALO ISOLATO

PORTATA TOTALE LIMITE $Q_{pt} =$ **910** [kN] pari a **93** [ton]

EFFETTO DI GRUPPO SULLE PORTATE - protocollo di Converse Labarre

m	numero di file di pali	3	[n°]
n	numero di pali per fila	6	[n°]
i	interasse fra i pali	4,5	[m]
E	fattore di efficienza	0,92	[adim]
N	numero pali totali	18	[n°]

PORTATA TOTALE DEL SINGOLO PALO NON ISOLATO

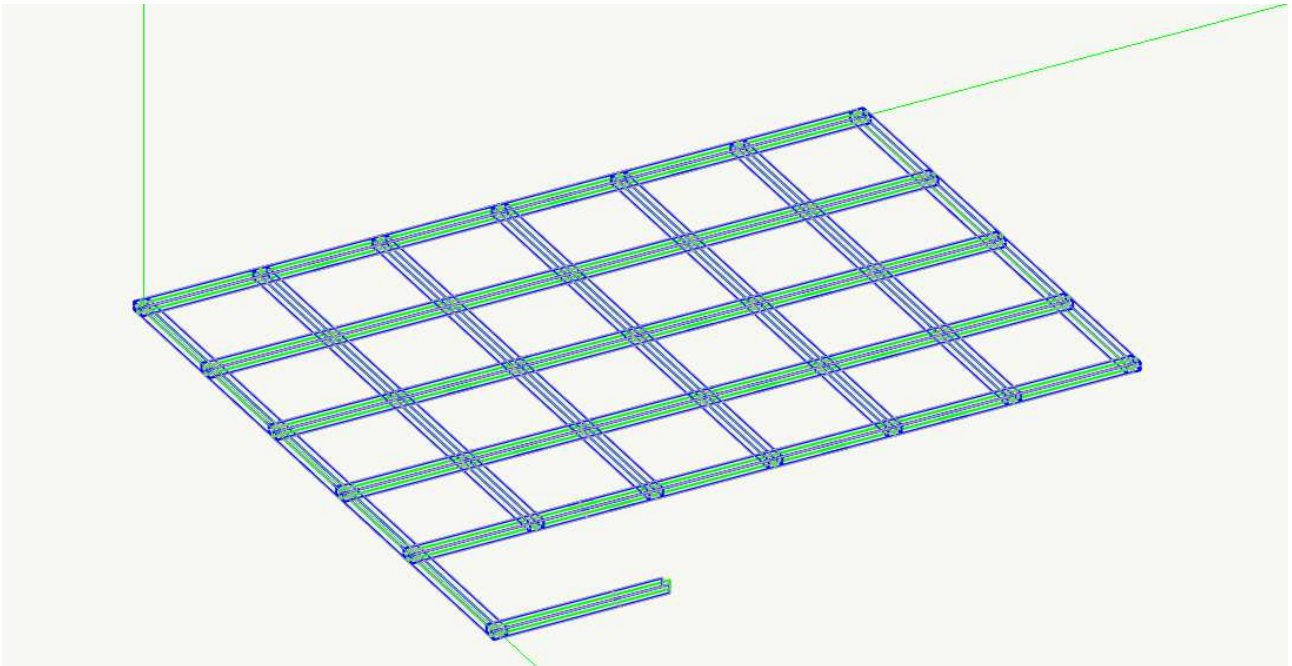
PORTATA TOTALE LIMITE **833** [kN] pari a **85** [ton]

PORTATA TOTALE DEL GRUPPO DI PALI

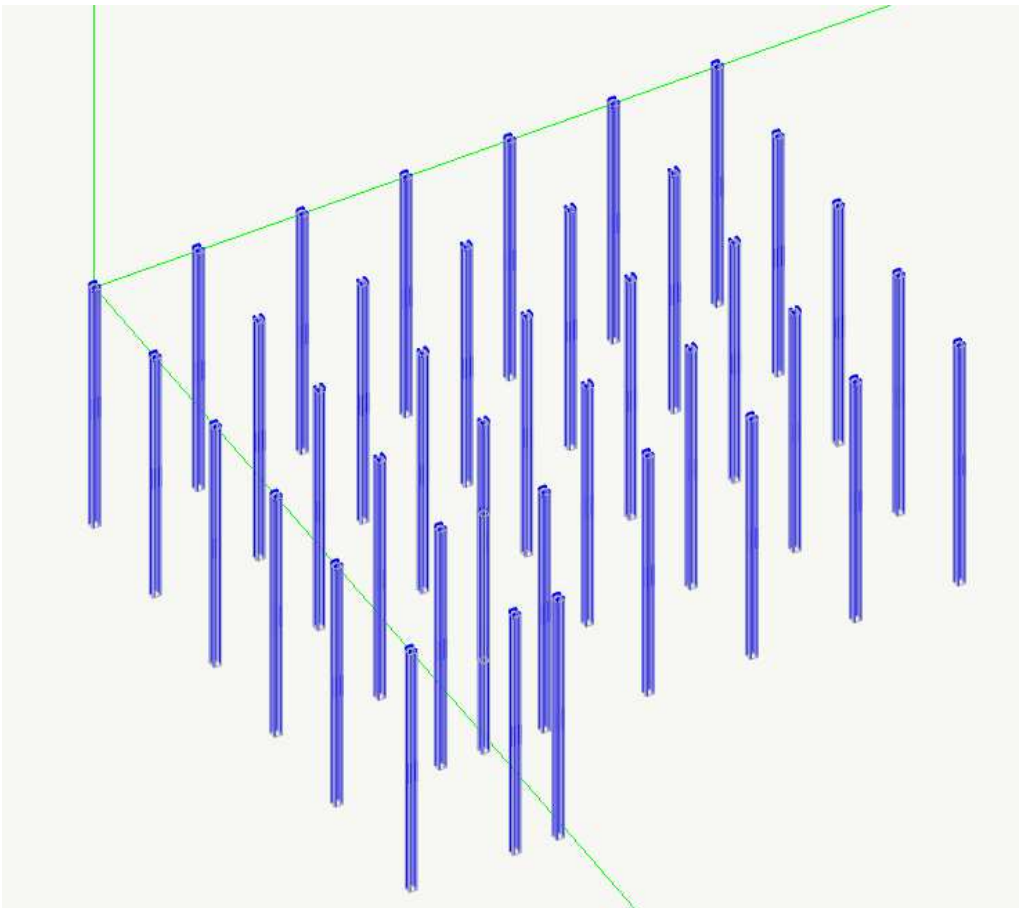
PORTATA TOTALE LIMITE DI GRUPPO **14993** [kN] pari a **1529** [ton]

5.2 VERIFICHE STRUTTURALI

Verifica delle travi di fondazione



Verifica dei pali di fondazione



TABULATI DI VERIFICA

Parametri di progetto		
Normativa		
Normativa di riferimento	DM 2018 - Comportamento non dissipativo	
Unità di misura		
Lunghezza		cm
Forza		kg
Pressione		kg/cm2
Metodo di progetto		
Metodo	Stati limite	
Fattori di sicurezza parziale materiali		
Calcestruzzo		1.60
Acciaio		1.15
Legami costitutivi		
Asse parabola calcestruzzo (x1000)		2.00
Fattore di riduzione addizionale		0.85
Deformazione ultima calcestruzzo (x1000)		3.50
Deformazione ultima acciaio (x1000)		10.00
Incremento resistenza acciaio		0.00
Opzioni di progetto		
Considerata l'eccentricità accidentale sui pilastri		NO
Considerata la traslazione del diagramma dei momenti		NO
Armatura longitudinale		
Lunghezza massima barre	cm	1200.00
Massima distanza barre	cm	1000.00
Diametri minimi di ancoraggio		20.00
Progetto antisismico		
Gerarchia delle resistenze		NO
Fattore di sicurezza per la gerarchia delle resistenze		1.30
Progetto per taglio dovuto ad azione simica		NO
gamma_rd per le travi		1.20
gamma_rd per i pilastri		1.30
Progetto per duttilità dei pilastri-parete		NO
gamma_rd per pareti		1.20
gamma_rd per fondazioni		1.00
Progetto a taglio dei nodi trave-pilastro		SI
gamma_rd per nodo		0.00
Minimi e massimi per le travi		
Armatura minima tesa		0.0013,T0.26000
Armatura massima tesa		0.040
Armatura minima totale		0.000
Armatura massima totale		
Moltiplicatore di continuità dell'armatura in zona critica		0.00

Rapporto di bilanciamento di armatura	0.00
Lunghezza zona critica	L

Minimi e massimi per i pilastri

Armatura minima totale	0.003, NO.10000F
Armatura massima totale	0.040

Minimi e massimi per travi di fondazione

Armatura minima totale	0.002
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Modalità staffatura

Staffe filo pilastro	SI
Passo massimo nelle travi	33.000, h0.8, P666.666
Passo massimo nei pilastri	25.000, D12

Infittimento staffe agli estremi

Passo zona critica travi	D12
Lunghezza zona critica travi	H
Passo zona critica pilastri	0.000
Lunghezza zona critica pilastri	0.000

Abbreviazioni usate nelle regole di assegnazione

n	valore numerico
Hn	n volte altezza della sezione asse locale y
Ln	n moltiplica la lunghezza della trave
Dn	n volte il diametro minimo armatura
Sn	n volte il diametro della staffa
Pn	Ast/bst: rapporto tra area staffa e corda
Mn (maiuscolo)	dimensione massima della sezione
mn (minuscolo)	dimensione minima della sezione
Nn	moltiplicatore forza assiale di compressione
Fn	inverso della resistenza dell'acciaio

Caratteristiche del terreno

Angolo attrito interno	° 29.999996	Gamma 1.250000
Coesione	kg/cm2 0.100000	Gamma 1.250000
Densità	kg/cm3 0.001900	Gamma 1.000000
Coeff. Sic. Portanza	1.800000	
Coeff. Sic. Scorrimento	1.100000	
Profondità piano posa	cm 0.000000	

Caratteristiche dei materiali

Metamateriali

Calcestruzzo	Resistenza cubica calcestruzzo	356.900675
	Resistenza acciaio	4589.000000
	Copriferro	2.0000
	Interferro	3.0000
	Max distanza barre	100000.0000
	Max distanza braccia	100000.0000
	Classe calcestruzzo	C28/35

53	168	132	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
54	167	131	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
55	166	130	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
56	146	37	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
57	165	23	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
58	164	12	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
59	163	6	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
60	162	46	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
61	161	31	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
62	160	16	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
63	145	1	0.00	0.00	0.00	0.00	0.00	0.00	1300.00
64	139	134	0.00	0.00	0.00	0.00	0.00	0.00	525.00
65	144	139	0.00	0.00	0.00	0.00	0.00	0.00	525.00
66	15	144	0.00	0.00	0.00	0.00	0.00	0.00	525.00
67	138	133	0.00	0.00	0.00	0.00	0.00	0.00	525.00
68	143	138	0.00	0.00	0.00	0.00	0.00	0.00	525.00
69	9	143	0.00	0.00	0.00	0.00	0.00	0.00	525.00
70	137	132	0.00	0.00	0.00	0.00	0.00	0.00	525.00
71	142	137	0.00	0.00	0.00	0.00	0.00	0.00	525.00
72	48	142	0.00	0.00	0.00	0.00	0.00	0.00	525.00
73	136	131	0.00	0.00	0.00	0.00	0.00	0.00	525.00
74	141	136	0.00	0.00	0.00	0.00	0.00	0.00	525.00
75	33	141	0.00	0.00	0.00	0.00	0.00	0.00	525.00
76	135	130	0.00	0.00	0.00	0.00	0.00	0.00	525.00
77	140	135	0.00	0.00	0.00	0.00	0.00	0.00	525.00
78	18	140	0.00	0.00	0.00	0.00	0.00	0.00	525.00
79	144	40	0.00	0.00	0.00	0.00	0.00	0.00	500.00
80	143	144	0.00	0.00	0.00	0.00	0.00	0.00	500.00
81	142	143	0.00	0.00	0.00	0.00	0.00	0.00	500.00
82	141	142	0.00	0.00	0.00	0.00	0.00	0.00	500.00
83	140	141	0.00	0.00	0.00	0.00	0.00	0.00	500.00
84	36	140	0.00	0.00	0.00	0.00	0.00	0.00	500.00
85	139	39	0.00	0.00	0.00	0.00	0.00	0.00	500.00
86	138	139	0.00	0.00	0.00	0.00	0.00	0.00	500.00
87	137	138	0.00	0.00	0.00	0.00	0.00	0.00	500.00
88	136	137	0.00	0.00	0.00	0.00	0.00	0.00	500.00
89	135	136	0.00	0.00	0.00	0.00	0.00	0.00	500.00
90	30	135	0.00	0.00	0.00	0.00	0.00	0.00	500.00
91	134	12	0.00	0.00	0.00	0.00	0.00	0.00	525.00
92	133	6	0.00	0.00	0.00	0.00	0.00	0.00	525.00
93	132	46	0.00	0.00	0.00	0.00	0.00	0.00	525.00
94	131	31	0.00	0.00	0.00	0.00	0.00	0.00	525.00
95	130	16	0.00	0.00	0.00	0.00	0.00	0.00	525.00
96	37	38	0.00	0.00	0.00	0.00	0.00	0.00	3000.00
99	60	33	0.00	0.00	0.00	0.00	0.00	0.00	290.00
100	18	60	0.00	0.00	0.00	0.00	0.00	0.00	210.00
101	12	23	0.00	0.00	0.00	0.00	0.00	0.00	500.00

102	6	12	0.00	0.00	0.00	0.00	0.00	0.00	500.00
103	46	6	0.00	0.00	0.00	0.00	0.00	0.00	500.00
104	31	46	0.00	0.00	0.00	0.00	0.00	0.00	500.00
105	16	31	0.00	0.00	0.00	0.00	0.00	0.00	500.00
106	1	16	0.00	0.00	0.00	0.00	0.00	0.00	500.00
107	15	25	0.00	0.00	0.00	0.00	0.00	0.00	500.00
108	9	15	0.00	0.00	0.00	0.00	0.00	0.00	500.00
109	48	9	0.00	0.00	0.00	0.00	0.00	0.00	500.00
110	33	48	0.00	0.00	0.00	0.00	0.00	0.00	500.00
111	3	18	0.00	0.00	0.00	0.00	0.00	0.00	500.00
112	126	62	0.00	0.00	0.00	0.00	0.00	0.00	210.00
113	108	126	0.00	0.00	0.00	0.00	0.00	0.00	500.00
114	3	108	0.00	0.00	0.00	0.00	0.00	0.00	645.00
115	36	3	0.00	0.00	0.00	0.00	0.00	0.00	525.00
116	30	36	0.00	0.00	0.00	0.00	0.00	0.00	525.00
117	37	30	0.00	0.00	0.00	0.00	0.00	0.00	525.00
118	1	37	0.00	0.00	0.00	0.00	0.00	0.00	525.00
119	40	25	0.00	0.00	0.00	0.00	0.00	0.00	525.00
120	39	40	0.00	0.00	0.00	0.00	0.00	0.00	525.00
121	38	39	0.00	0.00	0.00	0.00	0.00	0.00	525.00
122	23	38	0.00	0.00	0.00	0.00	0.00	0.00	525.00

Sezioni

Sezione rettangolare

Elemento	Materiale	Altezza (cm)	Base (cm)
25	Calcestruzzo	35.00	35.00
26	Calcestruzzo	35.00	35.00
27	Calcestruzzo	35.00	35.00
28	Calcestruzzo	35.00	35.00
29	Calcestruzzo	35.00	35.00
30	Calcestruzzo	35.00	35.00
31	Calcestruzzo	35.00	35.00
32	Calcestruzzo	35.00	35.00
33	Calcestruzzo	35.00	35.00
34	Calcestruzzo	35.00	35.00
35	Calcestruzzo	35.00	35.00
36	Calcestruzzo	35.00	35.00
37	Calcestruzzo	35.00	35.00
38	Calcestruzzo	35.00	35.00
39	Calcestruzzo	35.00	35.00
40	Calcestruzzo	35.00	35.00
41	Calcestruzzo	35.00	35.00
42	Calcestruzzo	35.00	35.00
43	Calcestruzzo	35.00	35.00
44	Calcestruzzo	35.00	35.00
45	Calcestruzzo	35.00	35.00

46 Calcestruzzo	35.00	35.00
47 Calcestruzzo	35.00	35.00
48 Calcestruzzo	35.00	35.00
49 Calcestruzzo	35.00	35.00
50 Calcestruzzo	35.00	35.00
51 Calcestruzzo	35.00	35.00
52 Calcestruzzo	35.00	35.00
53 Calcestruzzo	35.00	35.00
54 Calcestruzzo	35.00	35.00
55 Calcestruzzo	35.00	35.00
56 Calcestruzzo	35.00	35.00
57 Calcestruzzo	35.00	35.00
58 Calcestruzzo	35.00	35.00
59 Calcestruzzo	35.00	35.00
60 Calcestruzzo	35.00	35.00
61 Calcestruzzo	35.00	35.00
62 Calcestruzzo	35.00	35.00
63 Calcestruzzo	35.00	35.00
64 Calcestruzzo	40.00	60.00
65 Calcestruzzo	40.00	60.00
66 Calcestruzzo	40.00	60.00
67 Calcestruzzo	40.00	60.00
68 Calcestruzzo	40.00	60.00
69 Calcestruzzo	40.00	60.00
70 Calcestruzzo	40.00	60.00
71 Calcestruzzo	40.00	60.00
72 Calcestruzzo	40.00	60.00
73 Calcestruzzo	40.00	60.00
74 Calcestruzzo	40.00	60.00
75 Calcestruzzo	40.00	60.00
76 Calcestruzzo	40.00	60.00
77 Calcestruzzo	40.00	60.00
78 Calcestruzzo	40.00	60.00
79 Calcestruzzo	40.00	60.00
80 Calcestruzzo	40.00	60.00
81 Calcestruzzo	40.00	60.00
82 Calcestruzzo	40.00	60.00
83 Calcestruzzo	40.00	60.00
84 Calcestruzzo	40.00	60.00
85 Calcestruzzo	40.00	60.00
86 Calcestruzzo	40.00	60.00
87 Calcestruzzo	40.00	60.00
88 Calcestruzzo	40.00	60.00
89 Calcestruzzo	40.00	60.00
90 Calcestruzzo	40.00	60.00
91 Calcestruzzo	40.00	60.00
92 Calcestruzzo	40.00	60.00

93 Calcestruzzo	40.00	60.00
94 Calcestruzzo	40.00	60.00
95 Calcestruzzo	40.00	60.00
96 Calcestruzzo	40.00	60.00
99 Calcestruzzo	40.00	60.00
100 Calcestruzzo	40.00	60.00
101 Calcestruzzo	40.00	60.00
102 Calcestruzzo	40.00	60.00
103 Calcestruzzo	40.00	60.00
104 Calcestruzzo	40.00	60.00
105 Calcestruzzo	40.00	60.00
106 Calcestruzzo	40.00	60.00
107 Calcestruzzo	40.00	60.00
108 Calcestruzzo	40.00	60.00
109 Calcestruzzo	40.00	60.00
110 Calcestruzzo	40.00	60.00
111 Calcestruzzo	40.00	60.00
112 Calcestruzzo	40.00	60.00
113 Calcestruzzo	40.00	60.00
114 Calcestruzzo	40.00	60.00
115 Calcestruzzo	40.00	60.00
116 Calcestruzzo	40.00	60.00
117 Calcestruzzo	40.00	60.00
118 Calcestruzzo	40.00	60.00
119 Calcestruzzo	40.00	60.00
120 Calcestruzzo	40.00	60.00
121 Calcestruzzo	40.00	60.00
122 Calcestruzzo	40.00	60.00

Armatura longitudinale negli elementi

Elemento	Area (cm2)	Y (cm)	Z (cm)	Ascissa iniz. (cm)	Lunghezza (cm)
25	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
26	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
27	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13

	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
28	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
29	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
30	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
31	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
32	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
33	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
34	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00

	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
35	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
36	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
37	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
38	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
39	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
40	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
41	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13

42	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
43	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
44	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
45	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
46	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
47	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
48	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
49	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13

	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
50	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
51	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
52	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
53	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
54	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
55	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
56	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00

	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
57	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
58	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
59	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
60	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
61	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
62	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13
63	2.0106e+000	15.50	15.50	0.00	704.13
	2.0106e+000	15.50	15.50	595.87	704.13
	2.0106e+000	-15.50	15.50	0.00	1300.00
	2.0106e+000	-15.50	-15.50	0.00	1300.00
	2.0106e+000	15.50	-15.50	0.00	704.13
	2.0106e+000	15.50	-15.50	595.87	704.13

64	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
65	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
66	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
67	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
68	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
69	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
70	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
71	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00

	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
72	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
73	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
74	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
75	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
76	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
77	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
78	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00

	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
79	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
80	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
81	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
82	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
83	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
84	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00

	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
85	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
86	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
87	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
88	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
89	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
90	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00

	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
91	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
92	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
93	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
94	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
95	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
96	2.0106e+000	18.00	0.00	0.00	3000.00
	2.0106e+000	18.00	28.00	0.00	3000.00
	2.0106e+000	-18.00	28.00	0.00	1554.13
	2.0106e+000	-18.00	28.00	1445.87	1554.13
	2.0106e+000	-18.00	0.00	0.00	1554.13
	2.0106e+000	-18.00	0.00	1445.87	1554.13
	2.0106e+000	-18.00	-28.00	0.00	1554.13
	2.0106e+000	-18.00	-28.00	1445.87	1554.13
	2.0106e+000	18.00	-28.00	0.00	3000.00
99	2.0106e+000	18.00	0.00	0.00	290.00

	2.0106e+000	18.00	28.00	0.00	290.00
	2.0106e+000	-18.00	28.00	0.00	199.13
	2.0106e+000	-18.00	28.00	90.87	199.13
	2.0106e+000	-18.00	0.00	0.00	199.13
	2.0106e+000	-18.00	0.00	90.87	199.13
	2.0106e+000	-18.00	-28.00	0.00	199.13
	2.0106e+000	-18.00	-28.00	90.87	199.13
	2.0106e+000	18.00	-28.00	0.00	290.00
100	2.0106e+000	18.00	0.00	0.00	210.00
	2.0106e+000	18.00	28.00	0.00	210.00
	2.0106e+000	-18.00	28.00	0.00	210.00
	2.0106e+000	-18.00	0.00	0.00	210.00
	2.0106e+000	-18.00	-28.00	0.00	210.00
	2.0106e+000	18.00	-28.00	0.00	210.00
101	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
102	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
103	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
104	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00

105	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
106	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
107	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
108	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
109	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	304.13
	2.0106e+000	-18.00	28.00	195.87	304.13
	2.0106e+000	-18.00	0.00	0.00	304.13
	2.0106e+000	-18.00	0.00	195.87	304.13
	2.0106e+000	-18.00	-28.00	0.00	304.13
	2.0106e+000	-18.00	-28.00	195.87	304.13
	2.0106e+000	18.00	-28.00	0.00	500.00
110	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00

	2.0106e+000	18.00	-28.00	0.00	500.00
111	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
112	2.0106e+000	18.00	0.00	0.00	210.00
	2.0106e+000	18.00	28.00	0.00	208.00
	2.0106e+000	-18.00	28.00	0.00	208.00
	2.0106e+000	-18.00	0.00	0.00	210.00
	2.0106e+000	-18.00	-28.00	0.00	208.00
	2.0106e+000	18.00	-28.00	0.00	208.00
113	2.0106e+000	18.00	0.00	0.00	500.00
	2.0106e+000	18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	28.00	0.00	500.00
	2.0106e+000	-18.00	0.00	0.00	500.00
	2.0106e+000	-18.00	-28.00	0.00	500.00
	2.0106e+000	18.00	-28.00	0.00	500.00
114	2.0106e+000	18.00	0.00	0.00	645.00
	2.0106e+000	18.00	28.00	0.00	645.00
	2.0106e+000	-18.00	28.00	0.00	645.00
	2.0106e+000	-18.00	0.00	0.00	645.00
	2.0106e+000	-18.00	-28.00	0.00	645.00
	2.0106e+000	18.00	-28.00	0.00	645.00
115	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	316.63
	2.0106e+000	-18.00	28.00	208.37	316.63
	2.0106e+000	-18.00	0.00	0.00	316.63
	2.0106e+000	-18.00	0.00	208.37	316.63
	2.0106e+000	-18.00	-28.00	0.00	316.63
	2.0106e+000	-18.00	-28.00	208.37	316.63
	2.0106e+000	18.00	-28.00	0.00	525.00
116	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	316.63
	2.0106e+000	-18.00	28.00	208.37	316.63
	2.0106e+000	-18.00	0.00	0.00	316.63
	2.0106e+000	-18.00	0.00	208.37	316.63
	2.0106e+000	-18.00	-28.00	0.00	316.63
	2.0106e+000	-18.00	-28.00	208.37	316.63
	2.0106e+000	18.00	-28.00	0.00	525.00
117	2.0106e+000	18.00	0.00	0.00	525.00

	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	316.63
	2.0106e+000	-18.00	28.00	208.37	316.63
	2.0106e+000	-18.00	0.00	0.00	316.63
	2.0106e+000	-18.00	0.00	208.37	316.63
	2.0106e+000	-18.00	-28.00	0.00	316.63
	2.0106e+000	-18.00	-28.00	208.37	316.63
	2.0106e+000	18.00	-28.00	0.00	525.00
118	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
119	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00
120	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	316.63
	2.0106e+000	-18.00	28.00	208.37	316.63
	2.0106e+000	-18.00	0.00	0.00	316.63
	2.0106e+000	-18.00	0.00	208.37	316.63
	2.0106e+000	-18.00	-28.00	0.00	316.63
	2.0106e+000	-18.00	-28.00	208.37	316.63
	2.0106e+000	18.00	-28.00	0.00	525.00
121	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	316.63
	2.0106e+000	-18.00	28.00	208.37	316.63
	2.0106e+000	-18.00	0.00	0.00	316.63
	2.0106e+000	-18.00	0.00	208.37	316.63
	2.0106e+000	-18.00	-28.00	0.00	316.63
	2.0106e+000	-18.00	-28.00	208.37	316.63
	2.0106e+000	18.00	-28.00	0.00	525.00
122	2.0106e+000	18.00	0.00	0.00	525.00
	2.0106e+000	18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	28.00	0.00	525.00
	2.0106e+000	-18.00	0.00	0.00	525.00
	2.0106e+000	-18.00	-28.00	0.00	525.00
	2.0106e+000	18.00	-28.00	0.00	525.00

Armatura trasversale negli elementi

Elemento	Ascissa iniz. (cm)	Lunghezza tratto (cm)	Area orizz. (cm2)	Area vert. (cm2)	Passo (cm)
25	0.00	1300.00	1.01	1.01	19.00
26	0.00	1300.00	1.01	1.01	19.00
27	0.00	1300.00	1.01	1.01	19.00
28	0.00	1300.00	1.01	1.01	19.00
29	0.00	1300.00	1.01	1.01	19.00
30	0.00	1300.00	1.01	1.01	19.00
31	0.00	1300.00	1.01	1.01	19.00
32	0.00	1300.00	1.01	1.01	19.00
33	0.00	1300.00	1.01	1.01	19.00
34	0.00	1300.00	1.01	1.01	19.00
35	0.00	1300.00	1.01	1.01	19.00
36	0.00	1300.00	1.01	1.01	19.00
37	0.00	1300.00	1.01	1.01	19.00
38	0.00	1300.00	1.01	1.01	19.00
39	0.00	1300.00	1.01	1.01	19.00
40	0.00	1300.00	1.01	1.01	19.00
41	0.00	1300.00	1.01	1.01	19.00
42	0.00	1300.00	1.01	1.01	19.00
43	0.00	1300.00	1.01	1.01	19.00
44	0.00	1300.00	1.01	1.01	19.00
45	0.00	1300.00	1.01	1.01	19.00
46	0.00	1300.00	1.01	1.01	19.00
47	0.00	1300.00	1.01	1.01	19.00
48	0.00	1300.00	1.01	1.01	19.00
49	0.00	1300.00	1.01	1.01	19.00
50	0.00	1300.00	1.01	1.01	19.00
51	0.00	1300.00	1.01	1.01	19.00
52	0.00	1300.00	1.01	1.01	19.00
53	0.00	1300.00	1.01	1.01	19.00
54	0.00	1300.00	1.01	1.01	19.00
55	0.00	1300.00	1.01	1.01	19.00

56	0.00	1300.00	1.01	1.01	19.00
57	0.00	1300.00	1.01	1.01	19.00
58	0.00	1300.00	1.01	1.01	19.00
59	0.00	1300.00	1.01	1.01	19.00
60	0.00	1300.00	1.01	1.01	19.00
61	0.00	1300.00	1.01	1.01	19.00
62	0.00	1300.00	1.01	1.01	19.00
63	0.00	1300.00	1.01	1.01	19.00
64	17.50	490.00	1.01	1.01	11.00
65	17.50	490.00	1.01	1.01	11.00
66	17.50	490.00	1.01	1.01	11.00
67	17.50	490.00	1.01	1.01	11.00
68	17.50	490.00	1.01	1.01	11.00
69	17.50	490.00	1.01	1.01	11.00
70	17.50	490.00	1.01	1.01	11.00
71	17.50	490.00	1.01	1.01	11.00
72	17.50	490.00	1.01	1.01	11.00
73	17.50	490.00	1.01	1.01	11.00
74	17.50	490.00	1.01	1.01	11.00
75	17.50	490.00	1.01	1.01	11.00
76	17.50	490.00	1.01	1.01	11.00
77	17.50	490.00	1.01	1.01	11.00
78	17.50	490.00	1.01	1.01	11.00
79	17.50	465.00	1.01	1.01	11.00
80	17.50	465.00	1.01	1.01	11.00
81	17.50	465.00	1.01	1.01	11.00
82	17.50	465.00	1.01	1.01	11.00
83	17.50	465.00	1.01	1.01	11.00
84	17.50	465.00	1.01	1.01	11.00
85	17.50	465.00	1.01	1.01	11.00
86	17.50	465.00	1.01	1.01	11.00
87	17.50	465.00	1.01	1.01	11.00
88	17.50	465.00	1.01	1.01	11.00
89	17.50	465.00	1.01	1.01	11.00
90	17.50	465.00	1.01	1.01	11.00
91	17.50	490.00	1.01	1.01	11.00
92	17.50	490.00	1.01	1.01	11.00
93	17.50	490.00	1.01	1.01	11.00
94	17.50	490.00	1.01	1.01	11.00
95	17.50	490.00	1.01	1.01	11.00
96	17.50	2965.00	1.01	1.01	11.00
99	17.50	255.00	1.01	1.01	11.00
100	17.50	175.00	1.01	1.01	11.00
101	17.50	465.00	1.01	1.01	11.00

102	17.50	465.00	1.01	1.01	11.00
103	17.50	465.00	1.01	1.01	11.00
104	17.50	465.00	1.01	1.01	11.00
105	17.50	465.00	1.01	1.01	11.00
106	17.50	465.00	1.01	1.01	11.00
107	17.50	465.00	1.01	1.01	11.00
108	17.50	465.00	1.01	1.01	11.00
109	17.50	465.00	1.01	1.01	11.00
110	17.50	465.00	1.01	1.01	11.00
111	17.50	465.00	1.01	1.01	11.00
112	17.50	175.00	1.01	1.01	11.00
113	17.50	465.00	1.01	1.01	11.00
114	17.50	610.00	1.01	1.01	11.00
115	17.50	490.00	1.01	1.01	11.00
116	17.50	490.00	1.01	1.01	11.00
117	17.50	490.00	1.01	1.01	11.00
118	17.50	490.00	1.01	1.01	11.00
119	17.50	490.00	1.01	1.01	11.00
120	17.50	490.00	1.01	1.01	11.00
121	17.50	490.00	1.01	1.01	11.00
122	17.50	490.00	1.01	1.01	11.00

Verifica flessionale pilastri

Elem	Qta	Ascissa (cm)	Nx (kg)	Mz (kgxcm)	My (kgxcm)	F.Sic.	Comb.
25		130.00	-15.45	27.67	-4.21	> 10.00	1
		650.00	-15.45	138.37	-21.06	> 10.00	1
		1170.00	-15.45	249.06	-37.91	> 10.00	1
26		130.00	39.47	31.49	-1.19	> 10.00	1
		650.00	39.47	157.45	-5.97	> 10.00	1
		1170.00	39.47	283.42	-10.75	> 10.00	1
27		130.00	-15.55	46.03	3.96	> 10.00	1
		650.00	-15.55	230.16	19.79	> 10.00	1
		1170.00	-15.55	414.28	35.63	> 10.00	1
28		130.00	461.69	37.20	10.81	> 10.00	1
		650.00	461.69	185.98	54.04	> 10.00	1
		1170.00	461.69	334.76	97.28	> 10.00	1
29		130.00	-475.92	596.61	27.01	> 10.00	1
		650.00	-475.92	2983.05	135.03	> 10.00	1
		1170.00	-475.92	5369.48	243.05	> 10.00	1
30		130.00	451.50	185.16	29.20	> 10.00	1
		650.00	451.50	925.79	146.02	> 10.00	1
		1170.00	451.50	1666.42	262.84	> 10.00	1
31		130.00	464.34	140.95	-4.39	> 10.00	1
		650.00	464.34	704.73	-21.97	> 10.00	1

	1170.00	464.34	1268.51	-39.55 > 10.00	1
32	130.00	466.38	108.85	-0.82 > 10.00	1
	650.00	466.38	544.26	-4.09 > 10.00	1
	1170.00	466.38	979.66	-7.37 > 10.00	1
33	130.00	408.42	59.66	5.09 > 10.00	1
	650.00	408.42	298.28	25.46 > 10.00	1
	1170.00	408.42	536.91	45.83 > 10.00	1
34	130.00	505.38	29.45	1.36 > 10.00	1
	650.00	505.38	147.27	6.80 > 10.00	1
	1170.00	505.38	265.09	12.23 > 10.00	1
35	130.00	271.45	49.49	-24.00 > 10.00	1
	650.00	271.45	247.46	-120.00 > 10.00	1
	1170.00	271.45	445.43	-216.01 > 10.00	1
36	130.00	449.60	-95.63	-19.14 > 10.00	1
	650.00	449.60	-478.13	-95.70 > 10.00	1
	1170.00	449.60	-860.64	-172.26 > 10.00	1
37	130.00	110.77	-93.10	-25.77 > 10.00	1
	650.00	110.77	-465.52	-128.83 > 10.00	1
	1170.00	110.77	-837.93	-231.90 > 10.00	1
38	130.00	60.32	-70.13	2.84 > 10.00	1
	650.00	60.32	-350.63	14.18 > 10.00	1
	1170.00	60.32	-631.14	25.53 > 10.00	1
39	130.00	51.83	-55.33	-4.72 > 10.00	1
	650.00	51.83	-276.64	-23.60 > 10.00	1
	1170.00	51.83	-497.95	-42.48 > 10.00	1
40	130.00	32.92	-42.32	-4.07 > 10.00	1
	650.00	32.92	-211.61	-20.33 > 10.00	1
	1170.00	32.92	-380.90	-36.59 > 10.00	1
41	130.00	29.16	-35.22	2.52 > 10.00	1
	650.00	29.16	-176.10	12.62 > 10.00	1
	1170.00	29.16	-316.98	22.72 > 10.00	1
42	130.00	226.54	-13.01	21.44 > 10.00	1
	650.00	226.54	-65.06	107.21 > 10.00	1
	1170.00	226.54	-117.10	192.97 > 10.00	1
43	130.00	242.24	39.40	-23.09 > 10.00	1
	650.00	242.24	196.98	-115.43 > 10.00	1
	1170.00	242.24	354.56	-207.78 > 10.00	1
44	130.00	9.87	42.49	-4.51 > 10.00	1
	650.00	9.87	212.46	-22.56 > 10.00	1
	1170.00	9.87	382.42	-40.62 > 10.00	1
45	130.00	7.62	40.03	2.18 > 10.00	1

	650.00	7.62	200.14	10.88 > 10.00	1
	1170.00	7.62	360.26	19.58 > 10.00	1
46	130.00	12.54	31.99	0.01 > 10.00	1
	650.00	12.54	159.94	0.07 > 10.00	1
	1170.00	12.54	287.89	0.12 > 10.00	1
47	130.00	9.52	27.04	-1.52 > 10.00	1
	650.00	9.52	135.21	-7.60 > 10.00	1
	1170.00	9.52	243.37	-13.69 > 10.00	1
48	130.00	9.07	21.19	3.77 > 10.00	1
	650.00	9.07	105.93	18.85 > 10.00	1
	1170.00	9.07	190.68	33.93 > 10.00	1
49	130.00	374.83	17.99	48.32 > 10.00	1
	650.00	374.83	89.93	241.58 > 10.00	1
	1170.00	374.83	161.87	434.84 > 10.00	1
50	130.00	-139.74	-127.03	-12.75 > 10.00	1
	650.00	-139.74	-635.15	-63.77 > 10.00	1
	1170.00	-139.74	-1143.27	-114.79 > 10.00	1
51	130.00	-170.77	-117.84	10.67 > 10.00	1
	650.00	-170.77	-589.21	53.34 > 10.00	1
	1170.00	-170.77	-1060.58	96.01 > 10.00	1
52	130.00	-148.03	-103.02	-2.08 > 10.00	1
	650.00	-148.03	-515.10	-10.41 > 10.00	1
	1170.00	-148.03	-927.18	-18.73 > 10.00	1
53	130.00	-139.41	-94.87	3.20 > 10.00	1
	650.00	-139.41	-474.36	15.98 > 10.00	1
	1170.00	-139.41	-853.85	28.76 > 10.00	1
54	130.00	-120.70	-80.38	8.16 > 10.00	1
	650.00	-120.70	-401.91	40.78 > 10.00	1
	1170.00	-120.70	-723.44	73.41 > 10.00	1
55	130.00	-94.15	-61.11	0.65 > 10.00	1
	650.00	-94.15	-305.57	3.24 > 10.00	1
	1170.00	-94.15	-550.03	5.83 > 10.00	1
56	130.00	37.54	-66.88	21.88 > 10.00	1
	650.00	37.54	-334.41	109.41 > 10.00	1
	1170.00	37.54	-601.94	196.93 > 10.00	1
57	130.00	750.01	656.77	13.92 > 10.00	1
	650.00	-482.67	-2989.26	144.48 > 10.00	2
	1170.00	-482.67	-5380.68	260.06 > 10.00	2
58	130.00	928.49	500.88	1.00 > 10.00	1
	650.00	928.49	2504.38	4.98 > 10.00	1
	1170.00	928.49	4507.88	8.96 > 10.00	1

59	130.00	880.61	482.83	1.43 > 10.00	1
	650.00	880.61	2414.13	7.15 > 10.00	1
	1170.00	880.61	4345.43	12.87 > 10.00	1
60	130.00	833.48	441.01	-9.77 > 10.00	1
	650.00	833.48	2205.07	-48.84 > 10.00	1
	1170.00	833.48	3969.13	-87.92 > 10.00	1
61	130.00	561.76	363.24	9.54 > 10.00	1
	650.00	561.76	1816.22	47.69 > 10.00	1
	1170.00	561.76	3269.20	85.85 > 10.00	1
62	130.00	965.75	324.54	3.45 > 10.00	1
	650.00	965.75	1622.68	17.24 > 10.00	1
	1170.00	965.75	2920.83	31.02 > 10.00	1
63	130.00	509.27	320.01	-21.13 > 10.00	1
	650.00	509.27	1600.04	-105.63 > 10.00	1
	1170.00	509.27	2880.07	-190.13 > 10.00	1

Minimo fattore di sicurezza:	>10.0	>= 1.00
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Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il momento ultimo **Mr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè Mr/Me , relativo alla combinazione **Comb** che ha generato il minore fattore di sicurezza. Vengono espresse le sollecitazioni **Md** nelle componenti assiale **Nx** e flessionale **Mz** e **My** di tale combinazione (vedi Combinazioni Progetto). Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. Nel caso delle travi di fondazione, il limite ultimo è in regime elastico.

Verifica flessionale travi di fondazione

Elem	Ascissa	Mz (kgxcm)	Mr (kgxcm)	F.Sic.	Comb.
64	52.50	-2361.25	118062.69	> 10.00	1
	262.50	-2967.94	148397.00	> 10.00	1
	472.50	-7972.76	398638.10	> 10.00	1
65	52.50	6432.42	321621.05	> 10.00	1
	262.50	2432.18	121609.14	> 10.00	1
	472.50	2410.68	120534.23	> 10.00	1
66	52.50	53928.91	851328.98	> 10.00	17
	262.50	26497.36	850658.57	> 10.00	17
	472.50	-4848.46	242422.76	> 10.00	1
67	52.50	-2298.89	114944.66	> 10.00	1
	262.50	-2627.82	131391.01	> 10.00	1
	472.50	-6943.25	347162.59	> 10.00	1
68	52.50	4926.98	246349.08	> 10.00	1
	262.50	1830.68	91533.99	> 10.00	1
	472.50	2459.68	122984.20	> 10.00	1

69	52.50	57459.74	850701.51 > 10.00	17
	262.50	30922.35	850666.52 > 10.00	17
	472.50	-3029.11	151455.69 > 10.00	1
70	52.50	-1756.43	87821.27 > 10.00	1
	262.50	-2345.86	117292.79 > 10.00	1
	472.50	-6423.37	321168.34 > 10.00	1
71	52.50	3863.29	193164.50 > 10.00	1
	262.50	1500.70	75034.89 > 10.00	1
	472.50	1924.32	96216.16 > 10.00	1
72	52.50	56302.06	848379.73 > 10.00	17
	262.50	30663.23	846472.75 > 10.00	17
	472.50	-2200.96	110047.78 > 10.00	1
73	52.50	-1472.53	73626.30 > 10.00	1
	262.50	-2004.23	100211.37 > 10.00	1
	472.50	-5423.56	271178.01 > 10.00	1
74	52.50	2977.20	148860.17 > 10.00	1
	262.50	1146.14	57306.91 > 10.00	1
	472.50	1672.47	83623.61 > 10.00	1
75	52.50	49348.58	847504.05 > 10.00	17
	262.50	26473.38	849888.44 > 10.00	17
	472.50	-1834.14	91706.79 > 10.00	1
76	52.50	-1204.75	60237.37 > 10.00	1
	262.50	-1538.79	76939.34 > 10.00	1
	472.50	-4088.13	204406.68 > 10.00	1
77	52.50	2489.67	124483.60 > 10.00	1
	262.50	949.52	47476.23 > 10.00	1
	472.50	1268.67	63433.49 > 10.00	1
78	52.50	-6685.10	334255.06 > 10.00	1
	262.50	1764.78	88239.19 > 10.00	1
	472.50	-1464.44	73221.99 > 10.00	1
79	50.00	-2186.81	109340.58 > 10.00	1
	250.00	2475.77	123788.29 > 10.00	1
	450.00	-1920.19	96009.67 > 10.00	1
80	50.00	-751.37	37568.34 > 10.00	1
	250.00	1091.07	54553.29 > 10.00	1
	450.00	1259.25	62962.43 > 10.00	1
81	50.00	-665.12	33255.97 > 10.00	1
	250.00	442.79	22139.67 > 10.00	1
	450.00	-359.20	17960.22 > 10.00	1
82	50.00	-576.36	28818.23 > 10.00	1
	250.00	365.35	18267.56 > 10.00	1

	450.00	-39.71	1985.27 > 10.00	1
83	50.00	5.50	275.04 > 10.00	1
	250.00	435.17	21758.53 > 10.00	1
	450.00	158.50	7925.01 > 10.00	1
84	50.00	-25520.38	851044.95 > 10.00	14
	250.00	1489.67	74483.63 > 10.00	1
	450.00	-48.47	2423.37 > 10.00	1
85	50.00	-83.71	4185.46 > 10.00	1
	250.00	1448.47	72423.34 > 10.00	1
	450.00	-232.70	11634.92 > 10.00	1
86	50.00	67.28	3364.15 > 10.00	1
	250.00	181.82	9090.92 > 10.00	1
	450.00	290.04	14502.06 > 10.00	1
87	50.00	-55.47	2773.60 > 10.00	1
	250.00	57.24	2862.09 > 10.00	1
	450.00	-238.22	11911.20 > 10.00	1
88	50.00	-187.57	9378.46 > 10.00	1
	250.00	77.55	3877.48 > 10.00	1
	450.00	-64.06	3202.77 > 10.00	1
89	50.00	252.73	12636.66 > 10.00	1
	250.00	167.02	8351.01 > 10.00	1
	450.00	1.21	60.41 > 10.00	1
90	50.00	-29687.86	850800.79 > 10.00	9
	250.00	2454.98	122748.86 > 10.00	1
	450.00	-16.12	806.09 > 10.00	1
91	52.50	6320.12	316005.94 > 10.00	1
	262.50	20593.65	848362.03 > 10.00	16
	472.50	37759.21	850835.84 > 10.00	16
92	52.50	4990.91	249545.70 > 10.00	1
	262.50	26719.63	850122.56 > 10.00	16
	472.50	40576.86	850251.60 > 10.00	16
93	52.50	4724.80	236240.20 > 10.00	1
	262.50	26951.86	847193.77 > 10.00	16
	472.50	40953.33	848341.87 > 10.00	16
94	52.50	3752.79	187639.62 > 10.00	1
	262.50	27079.37	851202.04 > 10.00	16
	472.50	41824.81	850383.25 > 10.00	16
95	52.50	3625.27	181263.47 > 10.00	1
	262.50	24446.68	850333.84 > 10.00	16
	472.50	35829.79	848508.19 > 10.00	16
96	300.00	18049.16	850637.08 > 10.00	17

	1500.00	56202.47	846879.08 > 10.00	17
	2700.00	19371.97	850872.28 > 10.00	17
99	29.00	32601.70	850063.86 > 10.00	16
	145.00	1741.13	87056.67 > 10.00	1
	261.00	-37866.05	851431.49 > 10.00	16
100	21.00	-1023.83	51191.33 > 10.00	1
	105.00	196.57	9828.63 > 10.00	1
	189.00	-1805.94	90297.05 > 10.00	1
101	50.00	-6126.56	306328.11 > 10.00	1
	250.00	21105.88	849264.50 > 10.00	16
	450.00	-6330.59	316529.64 > 10.00	1
102	50.00	-20724.78	849796.90 > 10.00	16
	250.00	23384.20	851422.42 > 10.00	16
	450.00	-20053.26	851049.34 > 10.00	17
103	50.00	-19917.69	851014.42 > 10.00	16
	250.00	28203.49	851447.83 > 10.00	16
	450.00	-20552.10	846650.25 > 10.00	16
104	50.00	-21046.61	850907.74 > 10.00	16
	250.00	28408.71	849486.92 > 10.00	16
	450.00	-19795.50	845793.57 > 10.00	16
105	50.00	-24223.50	850684.76 > 10.00	17
	250.00	26629.87	847266.80 > 10.00	16
	450.00	-19969.64	849411.95 > 10.00	16
106	50.00	-3474.23	173711.50 > 10.00	1
	250.00	6371.76	318587.86 > 10.00	1
	450.00	-19522.51	849076.87 > 10.00	17
107	50.00	-3271.34	163567.11 > 10.00	1
	250.00	21959.19	849975.08 > 10.00	16
	450.00	4232.04	211601.82 > 10.00	1
108	50.00	-21081.57	848286.21 > 10.00	17
	250.00	26136.09	849065.66 > 10.00	17
	450.00	-20203.89	847774.06 > 10.00	17
109	50.00	-21101.87	849103.10 > 10.00	17
	250.00	29391.58	851451.81 > 10.00	17
	450.00	-21627.79	850601.72 > 10.00	17
110	50.00	-26718.66	850091.77 > 10.00	16
	250.00	27908.53	851223.79 > 10.00	16
	450.00	-20999.25	848993.19 > 10.00	17
111	50.00	-3076.26	153812.90 > 10.00	1
	250.00	3162.64	158132.23 > 10.00	1
	450.00	-3781.80	189089.85 > 10.00	1

112	21.00	-2004.02	100200.98 > 10.00	1
	105.00	-392.93	19646.55 > 10.00	1
	189.00	1173.58	58678.76 > 10.00	1
113	50.00	-99.05	4952.47 > 10.00	1
	250.00	59.92	2995.97 > 10.00	1
	450.00	-268.40	13420.05 > 10.00	1
114	64.50	2025.74	101286.93 > 10.00	1
	322.50	1904.00	95200.15 > 10.00	1
	580.50	-2176.80	108840.11 > 10.00	1
115	52.50	-1685.80	84289.79 > 10.00	1
	262.50	1652.89	82644.72 > 10.00	1
	472.50	-6039.54	301976.96 > 10.00	1
116	52.50	-1574.29	78714.70 > 10.00	1
	262.50	3437.76	171888.05 > 10.00	1
	472.50	-252.01	12600.37 > 10.00	1
117	52.50	-4837.98	241898.93 > 10.00	1
	262.50	926.36	46318.11 > 10.00	1
	472.50	-3945.05	197252.59 > 10.00	1
118	52.50	-30847.53	848608.41 > 10.00	10
	262.50	7930.71	396535.31 > 10.00	1
	472.50	1658.39	82919.65 > 10.00	1
119	52.50	-4153.87	207693.26 > 10.00	1
	262.50	19642.29	850526.43 > 10.00	15
	472.50	47946.69	850960.03 > 10.00	2
120	52.50	856.98	42849.17 > 10.00	1
	262.50	5275.02	263750.75 > 10.00	1
	472.50	4126.60	206329.91 > 10.00	1
121	52.50	-8456.23	422811.61 > 10.00	1
	262.50	-1734.03	86701.57 > 10.00	1
	472.50	-4070.50	203525.21 > 10.00	1
122	52.50	48017.10	849912.10 > 10.00	1
	262.50	13615.06	680752.92 > 10.00	1
	472.50	3706.02	185301.21 > 10.00	1

Minimo fattore di sicurezza:	>10.0 >= 1.00
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Per ogni elemento **Elem** viene calcolato, all'ascissa **Ascissa**, il momento ultimo **Mr** e viene esposto il fattore di sicurezza **F.Sic.**, cioè Mr/Mz , relativo alla combinazione **Comb** che ha generato il minore fattore di sicurezza. Viene esposta la sollecitazione **Mz** di tale combinazione (vedi **Combinazioni Progetto**). Il momento ultimo **Mr** è calcolato assumendo come deformazioni ultime quelle di snervamento e pertanto è il momento limite elastico. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. Viene, in fondo alla tabella, riportato il valore di γ_{Rd} (**Gamma Rd**) impiegato nella verifica.

Verifica taglio pilastri

Elem	Qta	Ascissa (cm)	Nx (kg)	Ty (kg)	Tz (kg)	Vr (kg)	Theta	F. Sic.	Comb.
25		130.00	233.81	0.05	-0.06	13476.82	2.50	> 10.00	7
		650.00	670.93	-0.08	-0.17	14202.53	2.50	> 10.00	15
		1170.00	358.94	-0.08	-0.06	13005.10	2.50	> 10.00	2
26		130.00	39.47	0.24	-0.01	12895.72	2.50	> 10.00	1
		650.00	39.47	0.24	-0.01	15688.29	2.50	> 10.00	1
		1170.00	39.47	0.24	-0.01	15688.29	2.50	> 10.00	1
27		130.00	-15.55	0.35	0.03	15734.86	2.50	> 10.00	1
		650.00	-15.55	0.35	0.03	15734.86	2.50	> 10.00	1
		1170.00	-15.55	0.35	0.03	15734.86	2.50	> 10.00	1
28		130.00	461.69	0.29	0.08	16325.49	2.50	> 10.00	1
		650.00	461.69	0.29	0.08	16325.49	2.50	> 10.00	1
		1170.00	461.69	0.29	0.08	16325.49	2.50	> 10.00	1
29		130.00	1412.76	-5.47	-0.12	15680.61	2.50	> 10.00	15
		650.00	1412.76	-5.47	-0.12	15680.61	2.50	> 10.00	15
		1170.00	1412.76	-5.47	-0.12	15680.61	2.50	> 10.00	15
30		130.00	2624.29	-7.20	0.44	15706.07	2.50	> 10.00	17
		650.00	2624.29	-7.20	0.44	15706.07	2.50	> 10.00	17
		1170.00	2624.29	-7.20	0.44	15706.07	2.50	> 10.00	17
31		130.00	3219.37	-8.03	0.07	15677.62	2.50	> 10.00	17
		650.00	3219.37	-8.03	0.07	15677.62	2.50	> 10.00	17
		1170.00	3219.37	-8.03	0.07	15677.62	2.50	> 10.00	17
32		130.00	3218.39	-7.92	-0.03	15677.16	2.50	> 10.00	17
		650.00	3218.39	-7.92	-0.03	15677.16	2.50	> 10.00	17
		1170.00	3218.39	-7.92	-0.03	15677.16	2.50	> 10.00	17
33		130.00	2808.90	-6.88	-0.37	15700.02	2.50	> 10.00	17
		650.00	2808.90	-6.88	-0.37	15700.02	2.50	> 10.00	17
		1170.00	2808.90	-6.88	-0.37	15700.02	2.50	> 10.00	17
34		130.00	505.38	0.23	0.01	15693.69	2.50	> 10.00	1
		650.00	505.38	0.23	0.01	15693.69	2.50	> 10.00	1
		1170.00	505.38	0.23	0.01	15693.69	2.50	> 10.00	1
35		130.00	271.45	0.38	-0.18	17423.14	2.50	> 10.00	1
		650.00	271.45	0.38	-0.18	17423.14	2.50	> 10.00	1
		1170.00	271.45	0.38	-0.18	17423.14	2.50	> 10.00	1
36		130.00	544.25	0.29	-1.93	15852.08	2.50	> 10.00	14
		650.00	544.25	0.29	-1.93	15852.08	2.50	> 10.00	14
		1170.00	544.25	0.29	-1.93	15852.08	2.50	> 10.00	14
37		130.00	-242.56	1.25	-0.03	15681.27	2.50	> 10.00	15
		650.00	-242.56	1.25	-0.03	15681.27	2.50	> 10.00	15
		1170.00	-242.56	1.25	-0.03	15681.27	2.50	> 10.00	15

38	130.00	-242.28	1.24	-0.00	15677.04	2.50 > 10.00	15
	650.00	-242.28	1.24	-0.00	15677.04	2.50 > 10.00	15
	1170.00	-242.28	1.24	-0.00	15677.04	2.50 > 10.00	15
39	130.00	-238.40	1.17	0.02	15678.40	2.50 > 10.00	15
	650.00	-238.40	1.17	0.02	15678.40	2.50 > 10.00	15
	1170.00	-238.40	1.17	0.02	15678.40	2.50 > 10.00	15
40	130.00	32.92	-0.33	-0.03	15749.15	2.50 > 10.00	1
	650.00	32.92	-0.33	-0.03	15749.15	2.50 > 10.00	1
	1170.00	32.92	-0.33	-0.03	15749.15	2.50 > 10.00	1
41	130.00	29.16	-0.27	0.02	15717.23	2.50 > 10.00	1
	650.00	29.16	-0.27	0.02	15717.23	2.50 > 10.00	1
	1170.00	29.16	-0.27	0.02	15717.23	2.50 > 10.00	1
42	130.00	141.58	-0.03	-2.24	15678.76	2.50 > 10.00	9
	650.00	141.58	-0.03	-2.24	15678.76	2.50 > 10.00	9
	1170.00	141.58	-0.03	-2.24	15678.76	2.50 > 10.00	9
43	130.00	1081.97	0.00	-2.46	15677.00	2.50 > 10.00	14
	650.00	1081.97	0.00	-2.46	15677.00	2.50 > 10.00	14
	1170.00	1081.97	0.00	-2.46	15677.00	2.50 > 10.00	14
44	130.00	9.87	0.33	-0.03	15765.18	2.50 > 10.00	1
	650.00	9.87	0.33	-0.03	15765.18	2.50 > 10.00	1
	1170.00	9.87	0.33	-0.03	15765.18	2.50 > 10.00	1
45	130.00	7.62	0.31	0.02	15700.15	2.50 > 10.00	1
	650.00	7.62	0.31	0.02	15700.15	2.50 > 10.00	1
	1170.00	7.62	0.31	0.02	15700.15	2.50 > 10.00	1
46	130.00	12.54	0.25	0.00	15677.01	2.50 > 10.00	1
	650.00	12.54	0.25	0.00	15677.01	2.50 > 10.00	1
	1170.00	12.54	0.25	0.00	15677.01	2.50 > 10.00	1
47	130.00	9.52	0.21	-0.01	15701.78	2.50 > 10.00	1
	650.00	9.52	0.21	-0.01	15701.78	2.50 > 10.00	1
	1170.00	9.52	0.21	-0.01	15701.78	2.50 > 10.00	1
48	130.00	9.07	0.16	0.03	15923.29	2.50 > 10.00	1
	650.00	9.07	0.16	0.03	15923.29	2.50 > 10.00	1
	1170.00	9.07	0.16	0.03	15923.29	2.50 > 10.00	1
49	130.00	376.63	0.09	-2.43	15688.18	2.50 > 10.00	9
	650.00	376.63	0.09	-2.43	15688.18	2.50 > 10.00	9
	1170.00	376.63	0.09	-2.43	15688.18	2.50 > 10.00	9
50	130.00	532.54	-0.33	-1.90	15910.49	2.50 > 10.00	14
	650.00	532.54	-0.33	-1.90	15910.49	2.50 > 10.00	14
	1170.00	532.54	-0.33	-1.90	15910.49	2.50 > 10.00	14
51	130.00	-170.77	-0.91	0.08	15741.10	2.50 > 10.00	1
	650.00	-170.77	-0.91	0.08	15741.10	2.50 > 10.00	1

	1170.00	-170.77	-0.91	0.08	15741.10	2.50 > 10.00	1
52	130.00	-148.03	-0.79	-0.02	15680.20	2.50 > 10.00	1
	650.00	-148.03	-0.79	-0.02	15680.20	2.50 > 10.00	1
	1170.00	-148.03	-0.79	-0.02	15680.20	2.50 > 10.00	1
53	130.00	-139.41	-0.73	0.02	15685.90	2.50 > 10.00	1
	650.00	-139.41	-0.73	0.02	15685.90	2.50 > 10.00	1
	1170.00	-139.41	-0.73	0.02	15685.90	2.50 > 10.00	1
54	130.00	-120.70	-0.62	0.06	15757.50	2.50 > 10.00	1
	650.00	-120.70	-0.62	0.06	15757.50	2.50 > 10.00	1
	1170.00	-120.70	-0.62	0.06	15757.50	2.50 > 10.00	1
55	130.00	-94.15	-0.47	0.00	15677.89	2.50 > 10.00	1
	650.00	-94.15	-0.47	0.00	15677.89	2.50 > 10.00	1
	1170.00	-94.15	-0.47	0.00	15677.89	2.50 > 10.00	1
56	130.00	143.68	-0.31	-2.06	15853.57	2.50 > 10.00	9
	650.00	143.68	-0.31	-2.06	15853.57	2.50 > 10.00	9
	1170.00	143.68	-0.31	-2.06	15853.57	2.50 > 10.00	9
57	130.00	1141.27	5.28	-0.32	15706.66	2.50 > 10.00	3
	650.00	1141.27	5.28	-0.32	15706.66	2.50 > 10.00	3
	1170.00	1141.27	5.28	-0.32	15706.66	2.50 > 10.00	3
58	130.00	2241.91	5.36	0.58	15768.92	2.50 > 10.00	16
	650.00	2241.91	5.36	0.58	15768.92	2.50 > 10.00	16
	1170.00	2241.91	5.36	0.58	15768.92	2.50 > 10.00	16
59	130.00	3070.16	6.32	0.06	15677.70	2.50 > 10.00	16
	650.00	3070.16	6.32	0.06	15677.70	2.50 > 10.00	16
	1170.00	3070.16	6.32	0.06	15677.70	2.50 > 10.00	16
60	130.00	3088.10	6.38	0.00	15677.01	2.50 > 10.00	16
	650.00	3088.10	6.38	0.00	15677.01	2.50 > 10.00	16
	1170.00	3088.10	6.38	0.00	15677.01	2.50 > 10.00	16
61	130.00	3117.78	6.48	-0.06	15677.72	2.50 > 10.00	16
	650.00	3117.78	6.48	-0.06	15677.72	2.50 > 10.00	16
	1170.00	3117.78	6.48	-0.06	15677.72	2.50 > 10.00	16
62	130.00	2776.56	5.61	-0.30	15699.30	2.50 > 10.00	16
	650.00	2776.56	5.61	-0.30	15699.30	2.50 > 10.00	16
	1170.00	2776.56	5.61	-0.30	15699.30	2.50 > 10.00	16
63	130.00	201.45	-2.74	-0.03	15677.98	2.50 > 10.00	10
	650.00	201.45	-2.74	-0.03	15677.98	2.50 > 10.00	10
	1170.00	201.45	-2.74	-0.03	15677.98	2.50 > 10.00	10

Minimo fattore di sicurezza:	>10.0 >= 1.00
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Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il taglio ultimo **Vr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè Tr/Td , relativo alla combinazione

Comb che ha generato il minore fattore di sicurezza. Vengono esposte le sollecitazioni di calcolo nelle componenti **Nx**, **Ty** e **Tz** di tale combinazione (vedi Combinazioni Progetto). Il campo **Theta** riporta il valore di $\text{ctg}(\theta)$ usato nella verifica. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi.

Verifica taglio travi di fondazione

Elem	Ascissa (cm)	Ty (kg)	Vr (kg)	F. Sic.	Comb.
64	52.50	-14.54	31181.26	> 10.00	14
	262.50	-15.41	31181.26	> 10.00	3
	472.50	-32.55	31181.26	> 10.00	3
65	52.50	43.83	31181.26	> 10.00	15
	262.50	21.93	31181.26	> 10.00	17
	472.50	14.73	31181.26	> 10.00	14
66	52.50	-151.52	31181.26	> 10.00	10
	262.50	-138.85	31181.26	> 10.00	17
	472.50	-55.58	31181.26	> 10.00	1
67	52.50	-16.80	31181.26	> 10.00	15
	262.50	-17.82	31181.26	> 10.00	16
	472.50	-28.81	31181.26	> 10.00	3
68	52.50	43.18	31181.26	> 10.00	15
	262.50	23.32	31181.26	> 10.00	17
	472.50	-12.25	31181.26	> 10.00	10
69	52.50	-132.81	31181.26	> 10.00	10
	262.50	-152.76	31181.26	> 10.00	17
	472.50	-50.12	31181.26	> 10.00	16
70	52.50	-12.52	31181.26	> 10.00	15
	262.50	-17.96	31181.26	> 10.00	16
	472.50	-25.73	31181.26	> 10.00	1
71	52.50	40.22	31181.26	> 10.00	15
	262.50	23.85	31181.26	> 10.00	17
	472.50	-9.16	31181.26	> 10.00	10
72	52.50	-124.92	31181.26	> 10.00	10
	262.50	-150.77	31181.26	> 10.00	17
	472.50	-54.32	31181.26	> 10.00	16
73	52.50	-11.62	31181.26	> 10.00	15
	262.50	-15.71	31181.26	> 10.00	16
	472.50	22.66	31181.26	> 10.00	10
74	52.50	26.58	31181.26	> 10.00	15
	262.50	16.31	31181.26	> 10.00	17
	472.50	9.74	31181.26	> 10.00	16
75	52.50	114.13	31181.26	> 10.00	3
	262.50	-137.81	31181.26	> 10.00	17

	472.50	-76.20	31181.26 > 10.00	16
76	52.50	23.03	31181.26 > 10.00	14
	262.50	-12.99	31181.26 > 10.00	16
	472.50	-37.00	31181.26 > 10.00	14
77	52.50	24.81	31181.26 > 10.00	9
	262.50	3.63	31181.26 > 10.00	9
	472.50	-20.74	31181.26 > 10.00	9
78	52.50	192.16	31181.26 > 10.00	17
	262.50	5.56	31181.26 > 10.00	5
	472.50	-47.11	31181.26 > 10.00	16
79	50.00	37.60	31181.26 > 10.00	1
	250.00	41.98	31181.26 > 10.00	14
	450.00	53.73	31181.26 > 10.00	9
80	50.00	-39.62	31181.26 > 10.00	17
	250.00	5.15	31181.26 > 10.00	1
	450.00	47.97	31181.26 > 10.00	17
81	50.00	-42.15	31181.26 > 10.00	17
	250.00	0.81	31181.26 > 10.00	1
	450.00	41.83	31181.26 > 10.00	17
82	50.00	-49.44	31181.26 > 10.00	17
	250.00	-7.57	31181.26 > 10.00	17
	450.00	36.17	31181.26 > 10.00	17
83	50.00	-36.46	31181.26 > 10.00	14
	250.00	-20.19	31181.26 > 10.00	16
	450.00	5.91	31181.26 > 10.00	15
84	50.00	165.24	31181.26 > 10.00	14
	250.00	50.03	31181.26 > 10.00	9
	450.00	-42.16	31181.26 > 10.00	16
85	50.00	45.13	31181.26 > 10.00	17
	250.00	47.80	31181.26 > 10.00	14
	450.00	-96.02	31181.26 > 10.00	17
86	50.00	6.87	31181.26 > 10.00	16
	250.00	-7.43	31181.26 > 10.00	9
	450.00	-15.81	31181.26 > 10.00	9
87	50.00	9.14	31181.26 > 10.00	16
	250.00	-0.48	31181.26 > 10.00	1
	450.00	-10.32	31181.26 > 10.00	17
88	50.00	14.20	31181.26 > 10.00	16
	250.00	4.50	31181.26 > 10.00	14
	450.00	-6.89	31181.26 > 10.00	16
89	50.00	-26.66	31181.26 > 10.00	14

	250.00	-16.41	31181.26 > 10.00	14
	450.00	3.77	31181.26 > 10.00	15
90	50.00	213.95	31181.26 > 10.00	14
	250.00	58.00	31181.26 > 10.00	9
	450.00	-55.94	31181.26 > 10.00	16
91	52.50	81.76	31181.26 > 10.00	15
	262.50	105.60	31181.26 > 10.00	16
	472.50	-195.41	31181.26 > 10.00	15
92	52.50	77.28	31181.26 > 10.00	15
	262.50	118.83	31181.26 > 10.00	16
	472.50	-205.29	31181.26 > 10.00	15
93	52.50	72.10	31181.26 > 10.00	15
	262.50	118.94	31181.26 > 10.00	16
	472.50	-199.39	31181.26 > 10.00	15
94	52.50	68.54	31181.26 > 10.00	15
	262.50	122.57	31181.26 > 10.00	16
	472.50	-175.33	31181.26 > 10.00	15
95	52.50	82.15	31181.26 > 10.00	17
	262.50	106.41	31181.26 > 10.00	16
	472.50	-169.60	31181.26 > 10.00	15
96	300.00	120.95	31181.26 > 10.00	14
	1500.00	-33.00	31181.26 > 10.00	14
	2700.00	-68.81	31181.26 > 10.00	15
99	29.00	-105.72	31181.26 > 10.00	11
	145.00	-286.52	31181.26 > 10.00	16
	261.00	-570.79	31181.26 > 10.00	16
100	21.00	202.07	31181.26 > 10.00	17
	105.00	78.05	31181.26 > 10.00	17
	189.00	-47.76	31181.26 > 10.00	16
101	50.00	319.04	31181.26 > 10.00	16
	250.00	27.16	31181.26 > 10.00	14
	450.00	-212.46	31181.26 > 10.00	16
102	50.00	457.06	31181.26 > 10.00	16
	250.00	-10.12	31181.26 > 10.00	7
	450.00	-417.96	31181.26 > 10.00	17
103	50.00	483.01	31181.26 > 10.00	16
	250.00	4.47	31181.26 > 10.00	7
	450.00	-485.76	31181.26 > 10.00	16
104	50.00	492.63	31181.26 > 10.00	16
	250.00	-10.53	31181.26 > 10.00	5
	450.00	-483.97	31181.26 > 10.00	16

105	50.00	473.34	31181.26 > 10.00	17
	250.00	14.93	31181.26 > 10.00	17
	450.00	-475.52	31181.26 > 10.00	16
106	50.00	223.93	31181.26 > 10.00	16
	250.00	25.74	31181.26 > 10.00	9
	450.00	-374.44	31181.26 > 10.00	17
107	50.00	370.85	31181.26 > 10.00	17
	250.00	29.64	31181.26 > 10.00	14
	450.00	-262.64	31181.26 > 10.00	17
108	50.00	485.15	31181.26 > 10.00	17
	250.00	-10.18	31181.26 > 10.00	5
	450.00	-450.43	31181.26 > 10.00	17
109	50.00	506.03	31181.26 > 10.00	17
	250.00	-6.73	31181.26 > 10.00	14
	450.00	-509.10	31181.26 > 10.00	17
110	50.00	533.68	31181.26 > 10.00	16
	250.00	19.39	31181.26 > 10.00	14
	450.00	-491.04	31181.26 > 10.00	17
111	50.00	167.90	31181.26 > 10.00	16
	250.00	12.38	31181.26 > 10.00	14
	450.00	-235.98	31181.26 > 10.00	17
112	21.00	81.02	31181.26 > 10.00	16
	105.00	19.51	31181.26 > 10.00	3
	189.00	-76.34	31181.26 > 10.00	15
113	50.00	147.67	31181.26 > 10.00	17
	250.00	4.37	31181.26 > 10.00	9
	450.00	-172.52	31181.26 > 10.00	17
114	64.50	147.66	31181.26 > 10.00	17
	322.50	-11.05	31181.26 > 10.00	1
	580.50	-140.32	31181.26 > 10.00	17
115	52.50	95.33	31181.26 > 10.00	17
	262.50	-8.87	31181.26 > 10.00	1
	472.50	-106.75	31181.26 > 10.00	16
116	52.50	176.02	31181.26 > 10.00	17
	262.50	6.45	31181.26 > 10.00	17
	472.50	-104.94	31181.26 > 10.00	17
117	52.50	129.74	31181.26 > 10.00	17
	262.50	-10.36	31181.26 > 10.00	10
	472.50	-182.57	31181.26 > 10.00	17
118	52.50	218.16	31181.26 > 10.00	15
	262.50	64.75	31181.26 > 10.00	10

	472.50	-86.83	31181.26 > 10.00	17
119	52.50	114.91	31181.26 > 10.00	16
	262.50	109.63	31181.26 > 10.00	4
	472.50	-275.49	31181.26 > 10.00	3
120	52.50	203.93	31181.26 > 10.00	16
	262.50	-16.25	31181.26 > 10.00	15
	472.50	-155.06	31181.26 > 10.00	16
121	52.50	155.56	31181.26 > 10.00	16
	262.50	14.48	31181.26 > 10.00	1
	472.50	-203.69	31181.26 > 10.00	16
122	52.50	313.40	31181.26 > 10.00	15
	262.50	-109.68	31181.26 > 10.00	3
	472.50	-107.21	31181.26 > 10.00	17

Minimo fattore di sicurezza:	>10.0 >= 1.00
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Per ogni elemento **Elem** a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, il taglio ultimo **Tr** nella direzione di sollecitazione risultante e viene esposto il fattore di sicurezza **F.Sic.**, cioè Tr/Te , relativo alla combinazione **Comb** che ha generato il minore fattore di sicurezza. Viene esposta la sollecitazioni **Ty** di tale combinazione (vedi **Combinazioni Progetto**). Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. Viene, in fondo alla tabella, riportato il valore di γ_{Rd} (**Gamma Rd**) impiegato nella verifica.

Verifica a torsione

Elem	P/T	Qta	Ascissa (cm)	Comb.	Td (kgxcm)	Tr (kgxcm)	Vd (kg)	Vr (kg)	Fs
25	P		130.00	1	0.00	449294.23	0.22	15857.56 > 10.00	
			650.00	1	0.00	449294.23	0.22	15857.56 > 10.00	
			1170.00	1	0.00	449294.23	0.22	15857.56 > 10.00	
26	P		130.00	1	-0.00	449294.23	0.24	15688.29 > 10.00	
			650.00	1	-0.00	449294.23	0.24	15688.29 > 10.00	
			1170.00	1	-0.00	449294.23	0.24	15688.29 > 10.00	
27	P		130.00	1	-0.00	449294.23	0.36	15734.86 > 10.00	
			650.00	1	-0.00	449294.23	0.36	15734.86 > 10.00	
			1170.00	1	-0.00	449294.23	0.36	15734.86 > 10.00	
28	P		130.00	1	0.00	449294.23	0.30	16325.49 > 10.00	
			650.00	1	0.00	449294.23	0.30	16325.49 > 10.00	
			1170.00	1	0.00	449294.23	0.30	16325.49 > 10.00	
29	P		130.00	1	-0.00	449294.23	4.59	15693.06 > 10.00	
			650.00	1	-0.00	449294.23	4.59	15693.06 > 10.00	
			1170.00	1	-0.00	449294.23	4.59	15693.06 > 10.00	
30	P		130.00	1	0.00	449294.23	1.44	15870.81 > 10.00	
			650.00	1	0.00	449294.23	1.44	15870.81 > 10.00	
			1170.00	1	0.00	449294.23	1.44	15870.81 > 10.00	

31	P	130.00	1	0.00	449294.23	1.08 15684.62 > 10.00
		650.00	1	0.00	449294.23	1.08 15684.62 > 10.00
		1170.00	1	0.00	449294.23	1.08 15684.62 > 10.00
32	P	130.00	1	0.00	449294.23	0.84 15677.45 > 10.00
		650.00	1	0.00	449294.23	0.84 15677.45 > 10.00
		1170.00	1	0.00	449294.23	0.84 15677.45 > 10.00
33	P	130.00	1	0.00	449294.23	0.46 15734.02 > 10.00
		650.00	1	0.00	449294.23	0.46 15734.02 > 10.00
		1170.00	1	0.00	449294.23	0.46 15734.02 > 10.00
34	P	130.00	1	-0.00	449294.23	0.23 15693.69 > 10.00
		650.00	1	-0.00	449294.23	0.23 15693.69 > 10.00
		1170.00	1	-0.00	449294.23	0.23 15693.69 > 10.00
35	P	130.00	1	-0.00	449294.23	0.42 17423.14 > 10.00
		650.00	1	-0.00	449294.23	0.42 17423.14 > 10.00
		1170.00	1	-0.00	449294.23	0.42 17423.14 > 10.00
36	P	130.00	1	-0.00	449294.23	0.75 15987.95 > 10.00
		650.00	1	-0.00	449294.23	0.75 15987.95 > 10.00
		1170.00	1	-0.00	449294.23	0.75 15987.95 > 10.00
37	P	130.00	1	0.00	449294.23	0.74 16266.30 > 10.00
		650.00	1	0.00	449294.23	0.74 16266.30 > 10.00
		1170.00	1	0.00	449294.23	0.74 16266.30 > 10.00
38	P	130.00	1	-0.00	449294.23	0.54 15689.82 > 10.00
		650.00	1	-0.00	449294.23	0.54 15689.82 > 10.00
		1170.00	1	-0.00	449294.23	0.54 15689.82 > 10.00
39	P	130.00	1	-0.00	449294.23	0.43 15733.95 > 10.00
		650.00	1	-0.00	449294.23	0.43 15733.95 > 10.00
		1170.00	1	-0.00	449294.23	0.43 15733.95 > 10.00
40	P	130.00	1	-0.00	449294.23	0.33 15749.15 > 10.00
		650.00	1	-0.00	449294.23	0.33 15749.15 > 10.00
		1170.00	1	-0.00	449294.23	0.33 15749.15 > 10.00
41	P	130.00	1	-0.00	449294.23	0.27 15717.23 > 10.00
		650.00	1	-0.00	449294.23	0.27 15717.23 > 10.00
		1170.00	1	-0.00	449294.23	0.27 15717.23 > 10.00
42	P	130.00	1	0.00	449294.23	0.19 18337.54 > 10.00
		650.00	1	0.00	449294.23	0.19 18337.54 > 10.00
		1170.00	1	0.00	449294.23	0.19 18337.54 > 10.00
43	P	130.00	1	-0.00	449294.23	0.35 18170.52 > 10.00
		650.00	1	-0.00	449294.23	0.35 18170.52 > 10.00
		1170.00	1	-0.00	449294.23	0.35 18170.52 > 10.00
44	P	130.00	1	-0.00	449294.23	0.33 15765.18 > 10.00
		650.00	1	-0.00	449294.23	0.33 15765.18 > 10.00

		1170.00	1	-0.00	449294.23	0.33 15765.18 > 10.00
45	P	130.00	1	0.00	449294.23	0.31 15700.15 > 10.00
		650.00	1	0.00	449294.23	0.31 15700.15 > 10.00
		1170.00	1	0.00	449294.23	0.31 15700.15 > 10.00
46	P	130.00	1	0.00	449294.23	0.25 15677.01 > 10.00
		650.00	1	0.00	449294.23	0.25 15677.01 > 10.00
		1170.00	1	0.00	449294.23	0.25 15677.01 > 10.00
47	P	130.00	1	0.00	449294.23	0.21 15701.78 > 10.00
		650.00	1	0.00	449294.23	0.21 15701.78 > 10.00
		1170.00	1	0.00	449294.23	0.21 15701.78 > 10.00
48	P	130.00	1	0.00	449294.23	0.17 15923.29 > 10.00
		650.00	1	0.00	449294.23	0.17 15923.29 > 10.00
		1170.00	1	0.00	449294.23	0.17 15923.29 > 10.00
49	P	130.00	1	0.00	449294.23	0.40 16727.92 > 10.00
		650.00	1	0.00	449294.23	0.40 16727.92 > 10.00
		1170.00	1	0.00	449294.23	0.40 16727.92 > 10.00
50	P	130.00	1	0.00	449294.23	0.98 15755.83 > 10.00
		650.00	1	0.00	449294.23	0.98 15755.83 > 10.00
		1170.00	1	0.00	449294.23	0.98 15755.83 > 10.00
51	P	130.00	1	-0.00	449294.23	0.91 15741.10 > 10.00
		650.00	1	-0.00	449294.23	0.91 15741.10 > 10.00
		1170.00	1	-0.00	449294.23	0.91 15741.10 > 10.00
52	P	130.00	1	-0.00	449294.23	0.79 15680.20 > 10.00
		650.00	1	-0.00	449294.23	0.79 15680.20 > 10.00
		1170.00	1	-0.00	449294.23	0.79 15680.20 > 10.00
53	P	130.00	1	-0.00	449294.23	0.73 15685.90 > 10.00
		650.00	1	-0.00	449294.23	0.73 15685.90 > 10.00
		1170.00	1	-0.00	449294.23	0.73 15685.90 > 10.00
54	P	130.00	1	-0.00	449294.23	0.62 15757.50 > 10.00
		650.00	1	-0.00	449294.23	0.62 15757.50 > 10.00
		1170.00	1	-0.00	449294.23	0.62 15757.50 > 10.00
55	P	130.00	1	-0.00	449294.23	0.47 15677.89 > 10.00
		650.00	1	-0.00	449294.23	0.47 15677.89 > 10.00
		1170.00	1	-0.00	449294.23	0.47 15677.89 > 10.00
56	P	130.00	1	-0.00	449294.23	0.54 16494.68 > 10.00
		650.00	1	-0.00	449294.23	0.54 16494.68 > 10.00
		1170.00	1	-0.00	449294.23	0.54 16494.68 > 10.00
57	P	130.00	1	-0.00	449294.23	5.05 15680.53 > 10.00
		650.00	1	-0.00	449294.23	5.05 15680.53 > 10.00
		1170.00	1	-0.00	449294.23	5.05 15680.53 > 10.00
58	P	130.00	1	-0.00	449294.23	3.85 15677.04 > 10.00

		650.00	1	-0.00	449294.23	3.85 15677.04 > 10.00
		1170.00	1	-0.00	449294.23	3.85 15677.04 > 10.00
59	P	130.00	1	-0.00	449294.23	3.71 15677.07 > 10.00
		650.00	1	-0.00	449294.23	3.71 15677.07 > 10.00
		1170.00	1	-0.00	449294.23	3.71 15677.07 > 10.00
60	P	130.00	1	0.00	449294.23	3.39 15680.85 > 10.00
		650.00	1	0.00	449294.23	3.39 15680.85 > 10.00
		1170.00	1	0.00	449294.23	3.39 15680.85 > 10.00
61	P	130.00	1	0.00	449294.23	2.80 15682.41 > 10.00
		650.00	1	0.00	449294.23	2.80 15682.41 > 10.00
		1170.00	1	0.00	449294.23	2.80 15682.41 > 10.00
62	P	130.00	1	0.00	449294.23	2.50 15677.89 > 10.00
		650.00	1	0.00	449294.23	2.50 15677.89 > 10.00
		1170.00	1	0.00	449294.23	2.50 15677.89 > 10.00
63	P	130.00	1	0.00	449294.23	2.47 15711.13 > 10.00
		650.00	1	0.00	449294.23	2.47 15711.13 > 10.00
		1170.00	1	0.00	449294.23	2.47 15711.13 > 10.00
64	F	52.50	17	-707.57	1245449.16	10.89 31181.26 > 10.00
		262.50	17	-753.59	1245449.16	4.28 31181.26 > 10.00
		472.50	17	-799.61	1245449.16	7.77 31181.26 > 10.00
65	F	52.50	1	598.32	1245449.16	27.60 31181.26 > 10.00
		262.50	1	569.09	1245449.16	10.04 31181.26 > 10.00
		472.50	1	539.87	1245449.16	10.30 31181.26 > 10.00
66	F	52.50	17	-2034.27	1245449.16	94.89 31181.26 > 10.00
		262.50	17	-1995.94	1245449.16	138.85 31181.26 > 10.00
		472.50	17	-1957.61	1245449.16	17.73 31181.26 > 10.00
67	F	52.50	17	-135.29	1245449.16	12.76 31181.26 > 10.00
		262.50	17	-127.29	1245449.16	8.28 31181.26 > 10.00
		472.50	17	-119.30	1245449.16	4.64 31181.26 > 10.00
68	F	52.50	17	169.68	1245449.16	38.10 31181.26 > 10.00
		262.50	17	175.91	1245449.16	23.32 31181.26 > 10.00
		472.50	17	182.14	1245449.16	4.66 31181.26 > 10.00
69	F	52.50	14	-481.15	1245449.16	19.02 31181.26 > 10.00
		262.50	14	-479.46	1245449.16	72.32 31181.26 > 10.00
		472.50	14	-477.76	1245449.16	31.13 31181.26 > 10.00
70	F	52.50	3	129.02	1245449.16	7.47 31181.26 > 10.00
		262.50	3	133.10	1245449.16	11.69 31181.26 > 10.00
		472.50	2	-137.84	1245449.16	16.79 31181.26 > 10.00
71	F	52.50	4	-143.86	1245449.16	24.59 31181.26 > 10.00
		262.50	4	-140.11	1245449.16	11.43 31181.26 > 10.00
		472.50	4	-136.36	1245449.16	6.91 31181.26 > 10.00

72	F	52.50	9	-457.00	1245449.16	21.15	31181.26 > 10.00
		262.50	9	-426.44	1245449.16	69.03	31181.26 > 10.00
		472.50	9	-395.89	1245449.16	34.58	31181.26 > 10.00
73	F	52.50	16	335.46	1245449.16	5.03	31181.26 > 10.00
		262.50	17	318.01	1245449.16	7.87	31181.26 > 10.00
		472.50	17	305.13	1245449.16	0.73	31181.26 > 10.00
74	F	52.50	17	-1266.21	1245449.16	21.90	31181.26 > 10.00
		262.50	17	-1245.43	1245449.16	16.31	31181.26 > 10.00
		472.50	17	-1224.65	1245449.16	1.18	31181.26 > 10.00
75	F	52.50	17	2219.25	1245449.16	50.50	31181.26 > 10.00
		262.50	17	2205.20	1245449.16	137.81	31181.26 > 10.00
		472.50	17	2191.14	1245449.16	47.85	31181.26 > 10.00
76	F	52.50	17	672.31	1245449.16	3.53	31181.26 > 10.00
		262.50	17	713.38	1245449.16	2.34	31181.26 > 10.00
		472.50	17	754.45	1245449.16	3.59	31181.26 > 10.00
77	F	52.50	17	-1016.81	1245449.16	4.36	31181.26 > 10.00
		262.50	17	-966.55	1245449.16	2.91	31181.26 > 10.00
		472.50	17	-916.28	1245449.16	3.65	31181.26 > 10.00
78	F	52.50	14	2585.71	1245449.16	90.77	31181.26 > 10.00
		262.50	14	2679.01	1245449.16	2.42	31181.26 > 10.00
		472.50	14	2772.31	1245449.16	27.38	31181.26 > 10.00
79	F	50.00	14	-551.28	1245449.16	5.55	31181.26 > 10.00
		250.00	14	-466.16	1245449.16	41.98	31181.26 > 10.00
		450.00	2	510.46	1245449.16	27.29	31181.26 > 10.00
80	F	50.00	1	-562.51	1245449.16	13.14	31181.26 > 10.00
		250.00	1	-698.08	1245449.16	5.15	31181.26 > 10.00
		450.00	1	-833.64	1245449.16	3.60	31181.26 > 10.00
81	F	50.00	2	-302.16	1245449.16	21.73	31181.26 > 10.00
		250.00	14	280.25	1245449.16	0.01	31181.27 > 10.00
		450.00	4	596.03	1245449.16	20.70	31181.26 > 10.00
82	F	50.00	17	1133.80	1245449.16	49.44	31181.26 > 10.00
		250.00	17	1363.87	1245449.16	7.57	31181.26 > 10.00
		450.00	17	1593.94	1245449.16	36.17	31181.26 > 10.00
83	F	50.00	17	2942.64	1245449.16	29.27	31181.26 > 10.00
		250.00	17	3027.70	1245449.16	15.94	31181.26 > 10.00
		450.00	17	3112.76	1245449.16	5.65	31181.26 > 10.00
84	F	50.00	1	-600.38	1245449.16	22.16	31181.26 > 10.00
		250.00	1	-643.94	1245449.16	1.55	31181.26 > 10.00
		450.00	1	-687.50	1245449.16	11.55	31181.26 > 10.00
85	F	50.00	4	175.05	1245449.16	12.10	31181.26 > 10.00
		250.00	4	112.75	1245449.16	5.23	31181.26 > 10.00

		450.00	4	50.46 1245449.16	26.30 31181.26 > 10.00
86	F	50.00	10	107.84 1245449.16	1.84 31181.26 > 10.00
		250.00	2	-56.76 1245449.16	0.54 31181.26 > 10.00
		450.00	2	-159.17 1245449.16	0.53 31181.26 > 10.00
87	F	50.00	4	-242.59 1245449.16	1.91 31181.26 > 10.00
		250.00	4	-302.15 1245449.16	0.02 31182.37 > 10.00
		450.00	4	-361.70 1245449.16	1.92 31181.26 > 10.00
88	F	50.00	17	-228.05 1245449.16	11.15 31181.26 > 10.00
		250.00	15	-273.68 1245449.16	2.48 31181.26 > 10.00
		450.00	15	-345.70 1245449.16	1.85 31181.26 > 10.00
89	F	50.00	15	-274.02 1245449.16	2.61 31181.26 > 10.00
		250.00	15	-326.23 1245449.16	1.00 31181.26 > 10.00
		450.00	15	-378.44 1245449.16	3.77 31181.26 > 10.00
90	F	50.00	17	-297.29 1245449.16	89.57 31181.26 > 10.00
		250.00	17	-295.72 1245449.16	18.94 31181.26 > 10.00
		450.00	15	-307.33 1245449.16	22.46 31181.26 > 10.00
91	F	52.50	17	2907.60 1245449.16	75.66 31181.26 > 10.00
		262.50	17	2940.98 1245449.16	65.30 31181.26 > 10.00
		472.50	17	2974.37 1245449.16	115.28 31181.26 > 10.00
92	F	52.50	14	417.23 1245449.16	30.70 31181.26 > 10.00
		262.50	14	413.72 1245449.16	73.61 31181.26 > 10.00
		472.50	14	410.21 1245449.16	17.25 31181.26 > 10.00
93	F	52.50	5	-362.55 1245449.16	0.09 31181.26 > 10.00
		262.50	5	-378.66 1245449.16	34.41 31181.26 > 10.00
		472.50	5	-394.77 1245449.16	25.13 31181.26 > 10.00
94	F	52.50	7	491.52 1245449.16	1.42 31181.26 > 10.00
		262.50	7	510.68 1245449.16	11.10 31181.26 > 10.00
		472.50	7	529.83 1245449.16	12.28 31181.26 > 10.00
95	F	52.50	16	-3353.46 1245449.16	58.38 31181.26 > 10.00
		262.50	16	-3308.92 1245449.16	106.41 31181.26 > 10.00
		472.50	16	-3264.37 1245449.16	28.49 31181.26 > 10.00
96	F	300.00	16	637.41 1245449.16	96.48 31181.26 > 10.00
		1500.00	4	417.81 1245449.16	5.70 31181.26 > 10.00
		2700.00	1	-1164.34 1245449.16	22.55 31181.26 > 10.00
99	F	29.00	17	-36881.85 1245449.16	88.28 31181.26 > 10.00
		145.00	17	-37427.58 1245449.16	256.67 31181.26 > 10.00
		261.00	17	-37973.31 1245449.16	508.68 31181.26 > 10.00
100	F	21.00	17	-2681.83 1245449.16	202.07 31181.26 > 10.00
		105.00	17	-2754.10 1245449.16	78.05 31181.26 > 10.00
		189.00	17	-2826.38 1245449.16	32.54 31181.26 > 10.00
101	F	50.00	17	-18121.38 1245449.16	316.99 31181.26 > 10.00

		250.00	17	-17914.02	1245449.16	16.06	31181.26 > 10.00
		450.00	17	-17706.66	1245449.16	157.70	31181.26 > 10.00
102	F	50.00	16	-4914.88	1245449.16	457.06	31181.26 > 10.00
		250.00	16	-3508.65	1245449.16	5.24	31181.26 > 10.00
		450.00	17	-2299.39	1245449.16	417.96	31181.26 > 10.00
103	F	50.00	16	-1739.72	1245449.16	483.01	31181.26 > 10.00
		250.00	1	578.56	1245449.16	1.25	31181.26 > 10.00
		450.00	1	2144.93	1245449.16	136.95	31181.26 > 10.00
104	F	50.00	4	-2428.76	1245449.16	104.73	31181.26 > 10.00
		250.00	1	2559.38	1245449.16	4.51	31181.26 > 10.00
		450.00	1	3228.65	1245449.16	122.65	31181.26 > 10.00
105	F	50.00	14	2779.62	1245449.16	256.99	31181.26 > 10.00
		250.00	14	3696.27	1245449.16	6.46	31181.26 > 10.00
		450.00	14	4612.92	1245449.16	332.24	31181.26 > 10.00
106	F	50.00	17	17491.24	1245449.16	159.39	31181.26 > 10.00
		250.00	17	17893.87	1245449.16	16.49	31181.26 > 10.00
		450.00	17	18296.51	1245449.16	374.44	31181.26 > 10.00
107	F	50.00	16	13653.42	1245449.16	307.72	31181.26 > 10.00
		250.00	16	12805.55	1245449.16	26.14	31181.26 > 10.00
		450.00	1	12253.79	1245449.16	48.71	31181.26 > 10.00
108	F	50.00	16	4981.16	1245449.16	452.30	31181.26 > 10.00
		250.00	16	3591.85	1245449.16	2.47	31181.26 > 10.00
		450.00	3	2275.36	1245449.16	42.36	31181.26 > 10.00
109	F	50.00	16	1652.72	1245449.16	480.45	31181.26 > 10.00
		250.00	2	-612.44	1245449.16	0.75	31181.26 > 10.00
		450.00	17	-2323.37	1245449.16	509.10	31181.26 > 10.00
110	F	50.00	2	-2533.77	1245449.16	91.69	31181.26 > 10.00
		250.00	15	-3800.46	1245449.16	3.58	31181.26 > 10.00
		450.00	17	-5576.30	1245449.16	491.04	31181.26 > 10.00
111	F	50.00	16	-1346.36	1245449.16	167.90	31181.26 > 10.00
		250.00	16	-1399.99	1245449.16	7.50	31181.26 > 10.00
		450.00	16	-1453.62	1245449.16	210.99	31181.26 > 10.00
112	F	21.00	15	-1634.20	1245449.16	43.91	31181.26 > 10.00
		105.00	15	-1654.08	1245449.16	18.11	31181.26 > 10.00
		189.00	15	-1673.97	1245449.16	76.34	31181.26 > 10.00
113	F	50.00	9	471.27	1245449.16	78.46	31181.26 > 10.00
		250.00	14	473.42	1245449.16	4.34	31181.26 > 10.00
		450.00	14	478.11	1245449.16	90.75	31181.26 > 10.00
114	F	64.50	16	-1158.41	1245449.16	116.86	31181.26 > 10.00
		322.50	16	-1005.67	1245449.16	1.62	31181.26 > 10.00
		580.50	16	-852.92	1245449.16	119.10	31181.26 > 10.00

115	F	52.50	9	-6173.20	1245449.16	27.67	31181.26	> 10.00
		262.50	9	-5819.97	1245449.16	2.20	31181.26	> 10.00
		472.50	9	-5466.73	1245449.16	48.27	31181.26	> 10.00
116	F	52.50	17	3544.68	1245449.16	176.02	31181.26	> 10.00
		262.50	17	3360.77	1245449.16	6.45	31181.26	> 10.00
		472.50	17	3176.87	1245449.16	104.94	31181.26	> 10.00
117	F	52.50	17	-1580.27	1245449.16	129.74	31181.26	> 10.00
		262.50	17	-1820.10	1245449.16	3.08	31181.26	> 10.00
		472.50	17	-2059.94	1245449.16	182.57	31181.26	> 10.00
118	F	52.50	17	-3208.79	1245449.16	159.32	31181.26	> 10.00
		262.50	17	-3264.06	1245449.16	28.49	31181.26	> 10.00
		472.50	17	-3319.33	1245449.16	86.83	31181.26	> 10.00
119	F	52.50	5	-2205.68	1245449.16	12.78	31181.26	> 10.00
		262.50	5	-2294.78	1245449.16	30.01	31181.26	> 10.00
		472.50	5	-2383.89	1245449.16	27.90	31181.26	> 10.00
120	F	52.50	16	-2433.70	1245449.16	203.93	31181.26	> 10.00
		262.50	16	-1951.29	1245449.16	5.23	31181.26	> 10.00
		472.50	16	-1468.87	1245449.16	155.06	31181.26	> 10.00
121	F	52.50	16	1584.87	1245449.16	155.56	31181.26	> 10.00
		262.50	16	2063.22	1245449.16	5.77	31181.26	> 10.00
		472.50	16	2541.57	1245449.16	203.69	31181.26	> 10.00
122	F	52.50	7	2376.21	1245449.16	28.43	31181.26	> 10.00
		262.50	7	2286.36	1245449.16	30.09	31181.26	> 10.00
		472.50	16	2457.23	1245449.16	106.64	31181.26	> 10.00

Minimo fattore di sicurezza:	>10.0 >= 1.00
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Per ogni elemento **Elem** di tipo **P**(ilastro) o **T**(rave) a quota (opzionale) di riferimento **Qta** viene calcolato, all'ascissa **Ascissa**, per ogni combinazione di carico il fattore di sicurezza combinato taglio-torsione **Fs** e vengono esposti dati e risultati relativi alla combinazione **Comb** per la quale si è ottenuto il fattore di sicurezza minimo. Vengono esposti i momenti torcenti agenti **Td** e resistenti **Tr** ed i valori di taglio combinato agente **Vd** e resistente **Vr**. Se il fattore di sicurezza è maggiore di 10.0, viene riportata la dicitura **>10.0** per evitare la stampa di numeri inutilmente grandi. In caso sia segnalato **Verifica non effettuata** (che non indica una verifica non soddisfatta ma una impossibilità ad effettuarla) il valore finale non tiene conto di tale verifica.

Verifica stato limite di esercizio - fessurazione

Elemento	Ascissa (cm)	Ampiezza Fess. (mm)	Dist.fessure (mm)	Momenti agenti		Momenti prima fessurazione		Comb. Tipo
				Mz (kgxcm)	My (kgxcm)	Mz (kgxcm)	My (kgxcm)	
37	130.00	0.00	141.33	14.38	-5.96	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	29.68	-4.27	252805.52	252805.52	3 freq
	650.00	0.00	141.33	71.91	-29.82	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	148.42	-21.37	252805.52	252805.52	3 freq

	1170.00	0.00	141.33	129.44	-53.68	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	267.16	-38.47	252805.52	252805.52	3 freq
38	130.00	0.00	141.33	16.97	0.29	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	26.17	0.29	252805.52	252805.52	4 freq
	650.00	0.00	141.33	84.84	1.45	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	130.87	1.43	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	152.71	2.61	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	235.57	2.58	252805.52	252805.52	4 freq
39	130.00	0.00	141.33	16.94	-0.08	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	26.11	-0.09	252805.52	252805.52	4 freq
	650.00	0.00	141.33	84.71	-0.40	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	130.56	-0.46	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	152.47	-0.71	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	235.01	-0.83	252805.52	252805.52	4 freq
40	130.00	0.00	141.33	9.38	5.21	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	15.26	7.75	252805.52	252805.52	4 freq
	650.00	0.00	141.33	46.88	26.03	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	76.32	38.76	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	84.39	46.85	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	137.38	69.77	252805.52	252805.52	4 freq
41	650.00	0.00	141.33	-37.61	43.92	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-15.48	49.50	252805.52	252805.52	3 freq
	1170.00	0.00	141.33	-67.71	79.06	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-89.54	112.08	252805.52	252805.52	4 freq
44	130.00	0.00	141.33	-0.03	3.61	252805.52	252805.52	2 freq
	650.00	0.00	141.33	-0.16	18.06	252805.52	252805.52	2 freq
	1170.00	0.00	141.33	-0.29	32.51	252805.52	252805.52	2 freq
45	1170.00	0.00	141.33	-63.35	14.38	252805.52	252805.52	3 freq
47	650.00	0.00	141.33	10.25	-24.87	252805.52	252805.52	2 freq
	1170.00	0.00	141.33	19.36	-23.39	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	18.45	-44.76	252805.52	252805.52	2 freq
48	650.00	0.00	141.33	15.51	16.16	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-5.62	14.43	252805.52	252805.52	3 freq
	1170.00	0.00	141.33	27.91	29.09	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-10.11	25.98	252805.52	252805.52	3 freq
51	130.00	0.00	141.33	-14.22	-7.04	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	-21.94	-9.82	252805.52	252805.52	4 freq
	650.00	0.00	141.33	-71.08	-35.18	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-109.70	-49.09	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	-127.94	-63.33	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-197.46	-88.37	252805.52	252805.52	4 freq
52	130.00	0.00	141.33	-17.27	0.49	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	-26.61	0.57	252805.52	252805.52	4 freq

	650.00	0.00	141.33	-86.33	2.47	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-133.07	2.85	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	-155.39	4.44	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-239.52	5.13	252805.52	252805.52	4 freq
53	130.00	0.00	141.33	-19.27	-0.40	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	-29.58	-0.62	252805.52	252805.52	4 freq
	650.00	0.00	141.33	-96.35	-1.99	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-147.90	-3.08	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	-173.43	-3.58	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-266.21	-5.55	252805.52	252805.52	4 freq
54	130.00	0.00	141.33	-18.45	0.17	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	-28.45	0.43	252805.52	252805.52	4 freq
	650.00	0.00	141.33	-92.27	0.86	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-142.27	2.15	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	-166.09	1.55	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-256.09	3.87	252805.52	252805.52	4 freq
55	130.00	0.00	141.33	-13.70	7.40	252805.52	252805.52	1 qprm
	130.00	0.00	141.33	-21.12	10.38	252805.52	252805.52	4 freq
	650.00	0.00	141.33	-68.50	37.00	252805.52	252805.52	1 qprm
	650.00	0.00	141.33	-105.61	51.92	252805.52	252805.52	4 freq
	1170.00	0.00	141.33	-123.30	66.61	252805.52	252805.52	1 qprm
	1170.00	0.00	141.33	-190.10	93.46	252805.52	252805.52	4 freq
64	52.50	0.00	198.05	65.09	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	452.00	-0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-306.25	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-472.60	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-918.92	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1424.23	0.00	543737.62	779860.61	4 freq
65	52.50	0.00	198.05	-941.84	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-1990.62	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-304.58	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-704.97	0.00	543737.62	779860.61	3 freq
	472.50	0.00	198.05	62.58	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-340.38	-0.00	543737.62	779860.61	3 freq
66	52.50	0.00	198.05	7118.37	-0.01	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	10924.72	-0.01	543737.62	779860.61	3 freq
	262.50	0.00	198.05	4719.78	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	6873.01	-0.01	543737.62	779860.61	4 freq
	472.50	0.00	198.05	727.58	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	1504.12	0.00	543737.62	779860.61	3 freq
67	52.50	0.00	198.05	83.20	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	488.98	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-396.47	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-600.39	0.00	543737.62	779860.61	4 freq

	472.50	0.00	198.05	-1094.31	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1700.81	0.00	543737.62	779860.61	4 freq
68	52.50	0.00	198.05	-1094.44	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-2054.02	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-378.51	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-747.09	-0.00	543737.62	779860.61	3 freq
	472.50	0.00	198.05	89.58	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-332.89	-0.00	543737.62	779860.61	3 freq
69	52.50	0.00	198.05	7927.76	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	11958.19	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5586.48	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	8187.49	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	985.69	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	1630.30	-0.00	543737.62	779860.61	3 freq
70	52.50	0.00	198.05	11.61	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	357.20	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-420.85	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-640.29	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-1250.12	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1928.66	0.00	543737.62	779860.61	4 freq
71	52.50	0.00	198.05	-1104.80	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-1984.27	-0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-349.69	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-690.79	-0.00	543737.62	779860.61	3 freq
	472.50	0.00	198.05	144.91	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	220.06	0.00	543737.62	779860.61	4 freq
72	52.50	0.00	198.05	7813.03	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	11803.20	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5574.23	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	8172.19	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	1000.88	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	1574.33	0.00	543737.62	779860.61	3 freq
73	52.50	0.00	198.05	-54.97	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	241.86	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-463.03	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-699.30	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-1163.13	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1809.13	-0.00	543737.62	779860.61	4 freq
74	52.50	0.00	198.05	-571.55	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-1233.25	-0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	-212.74	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-481.30	-0.00	543737.62	779860.61	3 freq
	472.50	0.00	198.05	211.86	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	317.08	0.00	543737.62	779860.61	4 freq

75	52.50	0.00	198.05	7052.99	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	10688.14	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5057.36	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	7337.95	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	363.60	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	750.36	-0.00	543737.62	779860.61	3 freq
76	52.50	0.00	198.05	-163.35	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-265.97	0.00	543737.62	779860.61	2 freq
	262.50	0.00	198.05	-352.97	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	-539.37	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-862.81	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1337.65	-0.00	543737.62	779860.61	4 freq
77	52.50	0.00	198.05	568.27	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	754.98	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	188.57	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	301.52	0.00	543737.62	779860.61	2 freq
	472.50	0.00	198.05	126.98	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	194.06	0.00	543737.62	779860.61	4 freq
78	52.50	0.00	198.05	-2685.22	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-3724.40	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	1968.68	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	2780.60	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	231.29	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	537.85	0.00	543737.62	779860.61	3 freq
79	50.00	0.00	198.05	-94.35	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	169.58	0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	897.46	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	1407.15	-0.00	543737.62	779860.61	2 freq
	450.00	0.00	198.05	491.77	-0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	2364.33	-0.01	543737.62	779860.61	2 freq
80	50.00	0.00	198.05	190.62	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	306.44	0.00	543737.62	779860.61	3 freq
	250.00	0.00	198.05	-222.98	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	-410.57	-0.00	543737.62	779860.61	3 freq
	450.00	0.00	198.05	702.05	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	1004.19	-0.00	543737.62	779860.61	4 freq
81	50.00	0.00	198.05	243.65	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	368.66	-0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	-358.68	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	-537.67	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	228.15	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	354.61	-0.00	543737.62	779860.61	4 freq
82	50.00	0.00	198.05	616.04	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	924.08	-0.00	543737.62	779860.61	4 freq

	250.00	0.00	198.05	-224.50	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	-342.59	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	189.24	0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	284.43	0.00	543737.62	779860.61	4 freq
83	50.00	0.00	198.05	734.67	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	1425.08	-0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	-50.91	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	187.29	-0.00	543737.62	779860.61	2 freq
	450.00	0.00	198.05	-332.06	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-479.58	-0.00	543737.62	779860.61	4 freq
84	50.00	0.00	198.05	-504.93	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-3729.88	0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	825.27	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	1050.96	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-457.92	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-765.57	-0.00	543737.62	779860.61	2 freq
85	50.00	0.00	198.05	20.63	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	305.29	0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	1858.57	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	2615.01	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	169.69	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	2291.88	-0.00	543737.62	779860.61	2 freq
86	50.00	0.00	198.05	26.58	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-54.87	0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	155.40	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	219.37	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	206.35	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-269.54	-0.00	543737.62	779860.61	2 freq
87	50.00	0.00	198.05	-89.66	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-137.12	0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	60.94	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	108.16	-0.00	543737.62	779860.61	2 freq
	450.00	0.00	198.05	-184.07	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-265.03	-0.00	543737.62	779860.61	4 freq
88	50.00	0.00	198.05	-254.78	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-411.44	-0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	43.25	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	75.00	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-8.11	0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-35.66	-0.00	543737.62	779860.61	2 freq
89	50.00	0.00	198.05	222.64	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	1115.32	-0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	131.28	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	441.71	-0.00	543737.62	779860.61	2 freq

	450.00	0.00	198.05	131.27	0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	215.77	0.00	543737.62	779860.61	2 freq
90	50.00	0.00	198.05	271.02	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-3836.62	-0.00	543737.62	779860.61	2 freq
	250.00	0.00	198.05	1867.08	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	2627.10	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	52.00	0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-441.92	0.00	543737.62	779860.61	2 freq
91	52.50	0.00	198.05	737.90	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	1108.22	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	4762.16	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	6937.51	-0.01	543737.62	779860.61	4 freq
	472.50	0.00	198.05	7086.66	-0.01	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	10742.55	-0.02	543737.62	779860.61	4 freq
92	52.50	0.00	198.05	1022.68	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	1548.21	-0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5595.21	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	8199.94	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	7997.85	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	12060.19	-0.00	543737.62	779860.61	4 freq
93	52.50	0.00	198.05	1191.32	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	1799.13	-0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5596.12	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	8201.79	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	7965.16	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	12026.13	-0.00	543737.62	779860.61	4 freq
94	52.50	0.00	198.05	1048.96	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	1587.83	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5374.25	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	7841.64	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	8206.91	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	12379.27	-0.00	543737.62	779860.61	4 freq
95	52.50	0.00	198.05	776.76	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	1164.86	-0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	5358.62	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	7831.31	0.01	543737.62	779860.61	4 freq
	472.50	0.00	198.05	7037.50	0.01	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	10659.62	0.02	543737.62	779860.61	4 freq
96	300.00	0.00	198.05	4248.96	0.00	543737.62	779860.61	1 qprm
	300.00	0.00	198.05	5438.17	0.00	543737.62	779860.61	4 freq
	1500.00	0.00	198.05	12422.30	0.00	543737.62	779860.61	1 qprm
	1500.00	0.00	198.05	16167.80	0.00	543737.62	779860.61	3 freq
	2700.00	0.00	198.05	4274.29	0.00	543737.62	779860.61	1 qprm
	2700.00	0.00	198.05	5470.71	0.00	543737.62	779860.61	4 freq

99	29.00	0.00	198.05	4425.23	0.01	543737.62	779860.61	1 qprm
	29.00	0.00	198.05	7345.47	0.01	543737.62	779860.61	4 freq
	145.00	0.00	198.05	2113.57	0.00	543737.62	779860.61	1 qprm
	145.00	0.00	198.05	3142.36	0.00	543737.62	779860.61	4 freq
	261.00	0.00	198.05	-6031.05	-0.00	543737.62	779860.61	1 qprm
	261.00	0.00	198.05	-9155.39	-0.01	543737.62	779860.61	4 freq
100	21.00	0.00	198.05	-2012.82	0.00	543737.62	779860.61	1 qprm
	21.00	0.00	198.05	-3136.41	0.00	543737.62	779860.61	4 freq
	105.00	0.00	198.05	125.76	-0.00	543737.62	779860.61	1 qprm
	105.00	0.00	198.05	390.31	-0.00	543737.62	779860.61	2 freq
	189.00	0.00	198.05	-203.67	-0.01	543737.62	779860.61	1 qprm
	189.00	0.00	198.05	-203.67	-0.01	543737.62	779860.61	5 freq
101	50.00	0.00	198.05	-3445.79	0.01	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-4927.52	0.02	543737.62	779860.61	4 freq
	250.00	0.00	198.05	4351.80	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	6075.10	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-962.16	-0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-1186.48	-0.02	543737.62	779860.61	4 freq
102	50.00	0.00	198.05	-4303.95	0.01	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-6244.71	0.01	543737.62	779860.61	4 freq
	250.00	0.00	198.05	5424.86	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	7813.08	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4327.64	-0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6305.37	-0.02	543737.62	779860.61	4 freq
103	50.00	0.00	198.05	-4392.90	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-6390.73	0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	6004.02	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	8701.94	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4392.06	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6365.13	-0.00	543737.62	779860.61	4 freq
104	50.00	0.00	198.05	-3699.63	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-5286.54	-0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	5935.33	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	8583.66	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4259.38	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6180.68	-0.00	543737.62	779860.61	4 freq
105	50.00	0.00	198.05	-5266.91	-0.01	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-7708.03	-0.02	543737.62	779860.61	4 freq
	250.00	0.00	198.05	5611.21	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	8077.34	-0.01	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-3924.28	0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-5637.63	0.01	543737.62	779860.61	4 freq
106	50.00	0.00	198.05	-961.71	-0.01	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-2688.62	-0.03	543737.62	779860.61	2 freq

	250.00	0.00	198.05	4178.88	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	5848.39	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4487.28	0.02	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6502.52	0.02	543737.62	779860.61	4 freq
107	50.00	0.00	198.05	-3364.09	-0.01	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-4802.90	-0.02	543737.62	779860.61	4 freq
	250.00	0.00	198.05	4407.84	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	6160.37	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-950.42	0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-1590.48	0.01	543737.62	779860.61	3 freq
108	50.00	0.00	198.05	-4318.06	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-6264.75	-0.01	543737.62	779860.61	4 freq
	250.00	0.00	198.05	5386.76	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	7755.50	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4232.60	0.01	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6159.44	0.02	543737.62	779860.61	4 freq
109	50.00	0.00	198.05	-4287.15	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-6239.54	0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	6041.36	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	8757.61	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4411.74	0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6395.35	-0.00	543737.62	779860.61	4 freq
110	50.00	0.00	198.05	-4443.36	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-6426.92	0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	5737.25	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	8245.83	0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-4289.39	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-6225.51	-0.00	543737.62	779860.61	4 freq
111	50.00	0.00	198.05	-1894.80	-0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-2654.85	-0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	2616.81	-0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	3547.22	-0.00	543737.62	779860.61	4 freq
	450.00	0.00	198.05	-2626.62	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-3850.09	-0.00	543737.62	779860.61	4 freq
112	21.00	0.00	198.05	-538.40	0.01	543737.62	779860.61	1 qprm
	21.00	0.00	198.05	-915.58	0.01	543737.62	779860.61	4 freq
	105.00	0.00	198.05	200.71	-0.00	543737.62	779860.61	1 qprm
	105.00	0.00	198.05	290.39	-0.00	543737.62	779860.61	2 freq
	189.00	0.00	198.05	-449.54	-0.01	543737.62	779860.61	1 qprm
	189.00	0.00	198.05	-737.78	-0.01	543737.62	779860.61	3 freq
113	50.00	0.00	198.05	-1338.65	0.00	543737.62	779860.61	1 qprm
	50.00	0.00	198.05	-1914.33	0.00	543737.62	779860.61	4 freq
	250.00	0.00	198.05	1674.00	0.00	543737.62	779860.61	1 qprm
	250.00	0.00	198.05	2286.62	-0.00	543737.62	779860.61	4 freq

	450.00	0.00	198.05	-1632.69	-0.00	543737.62	779860.61	1 qprm
	450.00	0.00	198.05	-2471.46	-0.00	543737.62	779860.61	4 freq
114	64.50	0.00	198.05	-1506.01	0.00	543737.62	779860.61	1 qprm
	64.50	0.00	198.05	-2057.50	-0.00	543737.62	779860.61	4 freq
	322.50	0.00	198.05	2678.28	-0.00	543737.62	779860.61	1 qprm
	322.50	0.00	198.05	3621.71	-0.00	543737.62	779860.61	4 freq
	580.50	0.00	198.05	-1664.22	-0.00	543737.62	779860.61	1 qprm
	580.50	0.00	198.05	-2328.31	-0.00	543737.62	779860.61	4 freq
115	52.50	0.00	198.05	-1101.77	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-1420.14	-0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	1908.12	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	2530.48	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-1520.92	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-1959.79	0.00	543737.62	779860.61	4 freq
116	52.50	0.00	198.05	-1966.91	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-2737.21	-0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	2392.92	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	3254.49	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-707.77	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-881.66	0.00	543737.62	779860.61	4 freq
117	52.50	0.00	198.05	-2123.32	0.01	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-2956.72	0.01	543737.62	779860.61	4 freq
	262.50	0.00	198.05	2007.45	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	2687.54	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-2483.34	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-3493.75	-0.00	543737.62	779860.61	4 freq
118	52.50	0.00	198.05	1410.70	-0.01	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-3248.66	-0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	2824.75	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	3751.65	-0.01	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-57.31	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-529.92	-0.00	543737.62	779860.61	3 freq
119	52.50	0.00	198.05	-104.77	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	441.63	0.00	543737.62	779860.61	3 freq
	262.50	0.00	198.05	3356.75	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	4812.55	0.00	543737.62	779860.61	3 freq
	472.50	0.00	198.05	952.72	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	6758.67	0.00	543737.62	779860.61	3 freq
120	52.50	0.00	198.05	-2094.52	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-2924.43	0.00	543737.62	779860.61	4 freq
	262.50	0.00	198.05	2107.27	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	2831.90	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-1995.99	-0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-2927.76	-0.00	543737.62	779860.61	3 freq

121	52.50	0.00	198.05	-1999.92	-0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-2783.66	-0.01	543737.62	779860.61	4 freq
	262.50	0.00	198.05	2103.69	-0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	2826.74	-0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-2104.03	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-2937.04	0.00	543737.62	779860.61	4 freq
122	52.50	0.00	198.05	970.57	0.00	543737.62	779860.61	1 qprm
	52.50	0.00	198.05	-5644.99	0.01	543737.62	779860.61	3 freq
	262.50	0.00	198.05	3266.96	0.00	543737.62	779860.61	1 qprm
	262.50	0.00	198.05	4381.93	0.00	543737.62	779860.61	4 freq
	472.50	0.00	198.05	-114.78	0.00	543737.62	779860.61	1 qprm
	472.50	0.00	198.05	-758.37	0.00	543737.62	779860.61	3 freq

Verifica stato limite di esercizio - tensioni massime nel calcestruzzo

Combinazione rara						Combinazione quasi permanente				
Elemento	Ascissa (cm)	Tensione (kg/cm2)	Mz (kgxcm)	My (kgxcm)	Comb.	Tensione (kg/cm2)	Mz (kgxcm)	My (kgxcm)	Comb.	
25	130.00	-0.43	9.52	-22.08	9	-0.13	7.05	-4.93	1	
	650.00	-0.45	47.58	-110.42	9	-0.13	35.27	-24.66	1	
	1170.00	-0.46	85.64	-198.75	9	-0.14	63.48	-44.38	1	
26	130.00	-0.55	6.71	17.79	9	-0.16	7.22	1.67	1	
	650.00	-0.56	33.55	88.95	9	-0.17	36.11	8.34	1	
	1170.00	-0.57	60.39	160.11	9	-0.17	65.00	15.02	1	
27	130.00	-0.42	-5.86	34.29	9	-0.15	5.34	4.73	1	
	650.00	-0.44	-29.29	171.46	9	-0.15	26.72	23.63	1	
	1170.00	-0.46	-52.72	308.63	9	-0.15	48.10	42.53	1	
28	130.00	-0.66	-77.08	39.82	9	-0.26	-14.45	7.24	1	
	650.00	-0.72	-385.42	199.11	9	-0.27	-72.24	36.19	1	
	1170.00	-0.77	-693.76	358.40	9	-0.28	-130.03	65.14	1	
29	130.00	-1.01	-159.11	-107.90	8	-0.26	-45.64	-8.71	1	
	650.00	-1.13	-795.53	-539.52	8	-0.29	-228.18	-43.55	1	
	1170.00	-1.26	-1163.16	-1446.04	6	-0.31	-410.72	-78.39	1	
30	130.00	-1.43	-643.63	39.62	9	-0.42	-144.43	11.87	1	
	650.00	-1.74	-3218.15	198.11	9	-0.49	-722.15	59.35	1	
	1170.00	-2.05	-5792.67	356.60	9	-0.57	-1299.86	106.83	1	
31	130.00	-1.74	-718.19	6.37	9	-0.51	-166.82	1.56	1	
	650.00	-2.07	-3590.94	31.83	9	-0.59	-834.11	7.82	1	
	1170.00	-2.40	-6463.70	57.30	9	-0.66	-1501.40	14.08	1	
32	130.00	-1.74	-708.42	-3.07	9	-0.51	-165.55	-0.36	1	
	650.00	-2.06	-3542.10	-15.37	9	-0.58	-827.74	-1.79	1	
	1170.00	-2.39	-6375.79	-27.67	9	-0.66	-1489.93	-3.23	1	
33	130.00	-1.72	-534.12	-43.95	8	-0.47	-149.69	-7.29	1	
	650.00	-1.98	-2670.61	-219.77	8	-0.54	-748.45	-36.43	1	

	1170.00	-2.24	-4807.09	-395.58	8	-0.61	-1347.21	-65.58	1
34	130.00	-0.85	-48.61	-0.50	9	-0.29	-9.58	-2.53	1
	650.00	-0.87	-243.07	-2.51	9	-0.29	-47.88	-12.64	1
	1170.00	-0.89	-437.52	-4.51	9	-0.30	-86.19	-22.74	1
35	130.00	-0.42	-26.16	-42.02	9	-0.16	-0.58	-11.51	1
	650.00	-0.45	-130.81	-210.12	9	-0.17	-2.92	-57.55	1
	1170.00	-0.48	-235.46	-378.22	9	-0.17	-5.26	-103.59	1
36	130.00	-0.37	47.16	-144.52	8	-0.13	14.27	-23.95	1
	650.00	-0.46	235.81	-722.60	8	-0.14	71.35	-119.77	1
	1170.00	-0.55	424.46	-1300.68	8	-0.16	128.43	-215.59	1
37	130.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	650.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	1170.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
38	130.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	650.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	1170.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
39	130.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	650.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	1170.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
40	130.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	650.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
	1170.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0
41	130.00	-0.06	5.99	66.60	6	-0.01	-7.52	8.78	1
	650.00	-0.09	29.93	333.01	6	-0.01	-37.61	43.92	1
	1170.00	-0.13	53.87	599.42	6	-0.03	-67.71	79.06	1
42	130.00	-0.30	2.92	22.72	9	-0.13	-1.33	10.96	1
	650.00	-0.31	14.59	113.59	9	-0.13	-6.66	54.80	1
	1170.00	-0.35	-29.40	-897.26	8	-0.14	-11.99	98.64	1
43	130.00	-0.75	0.12	-194.46	8	-0.22	0.06	-33.69	1
	650.00	-0.83	0.61	-972.32	8	-0.24	0.30	-168.44	1
	1170.00	-0.92	1.10	-1750.17	8	-0.25	0.54	-303.19	1
44	130.00	-0.02	-21.13	-6.85	9	-0.01	-0.05	-3.27	1
	650.00	-0.04	-175.12	-25.20	7	-0.01	-0.24	-16.37	1
	1170.00	-0.07	-315.21	-45.35	7	-0.01	-0.42	-29.47	1
45	130.00	-0.03	0.13	-0.48	8	-0.01	0.02	1.62	1
	650.00	-0.04	-105.47	22.74	9	-0.01	0.10	8.08	1
	1170.00	-0.07	-317.21	27.16	7	-0.01	0.19	14.55	1
46	130.00	-0.03	3.26	0.61	8	-0.01	0.93	-0.41	1
	650.00	-0.04	-77.86	-8.25	9	-0.01	4.66	-2.07	1
	1170.00	-0.05	-261.53	-12.97	7	-0.01	8.39	-3.73	1
47	130.00	-0.02	-9.16	-8.73	9	-0.00	2.15	-2.60	1

	650.00	-0.02	-45.78	-43.67	9	-0.01	10.75	-12.99	1
	1170.00	-0.05	-201.50	-59.57	7	-0.01	19.36	-23.39	1
48	130.00	-0.09	5.80	69.61	6	-0.00	3.10	3.23	1
	650.00	-0.13	28.99	348.06	6	-0.01	15.51	16.16	1
	1170.00	-0.16	52.19	626.50	6	-0.01	27.91	29.09	1
49	130.00	-0.64	4.70	109.74	9	-0.22	4.62	35.21	1
	650.00	-0.69	23.49	548.68	9	-0.24	23.08	176.05	1
	1170.00	-0.74	42.28	987.62	9	-0.26	41.55	316.90	1
50	130.00	-0.39	3.24	-64.74	9	-0.13	-14.36	-23.54	1
	650.00	-0.46	-246.63	-708.37	8	-0.14	-71.78	-117.69	1
	1170.00	-0.54	-443.94	-1275.06	8	-0.16	-129.20	-211.84	1
51	130.00	-0.05	59.23	-22.64	7	0.00	0.00	0.00	0
	650.00	-0.09	296.15	-113.19	7	0.00	0.00	0.00	0
	1170.00	-0.14	533.06	-203.74	7	0.00	0.00	0.00	0
52	130.00	-0.02	46.12	1.27	7	0.00	0.00	0.00	0
	650.00	-0.05	230.58	6.33	7	0.00	0.00	0.00	0
	1170.00	-0.08	415.04	11.39	7	0.00	0.00	0.00	0
53	130.00	-0.02	38.11	-1.62	7	0.00	0.00	0.00	0
	650.00	-0.04	190.53	-8.09	7	0.00	0.00	0.00	0
	1170.00	-0.07	342.95	-14.56	7	0.00	0.00	0.00	0
54	130.00	-0.01	33.43	-2.35	7	0.00	0.00	0.00	0
	650.00	-0.03	167.17	-11.74	7	0.00	0.00	0.00	0
	1170.00	-0.06	300.91	-21.12	7	0.00	0.00	0.00	0
55	130.00	-0.03	37.92	17.63	7	0.00	0.00	0.00	0
	650.00	-0.12	-215.26	367.70	6	0.00	0.00	0.00	0
	1170.00	-0.22	-387.47	661.86	6	0.00	0.00	0.00	0
56	130.00	-0.36	-18.86	62.69	9	-0.13	-16.88	22.67	1
	650.00	-0.40	-94.30	313.44	9	-0.14	-84.39	113.34	1
	1170.00	-0.44	-169.75	564.19	9	-0.16	-151.90	204.01	1
57	130.00	-0.89	149.26	-86.30	8	-0.25	44.29	-6.67	1
	650.00	-0.99	746.30	-431.48	8	-0.27	221.45	-33.36	1
	1170.00	-1.10	1343.34	-776.66	8	-0.30	398.61	-60.05	1
58	130.00	-1.27	306.96	49.73	9	-0.43	144.99	12.04	1
	650.00	-1.47	2419.54	259.94	8	-0.50	724.96	60.21	1
	1170.00	-1.71	4355.18	467.88	8	-0.57	1304.92	108.38	1
59	130.00	-1.65	570.38	5.36	8	-0.51	167.86	1.44	1
	650.00	-1.91	2851.91	26.82	8	-0.59	839.28	7.21	1
	1170.00	-2.18	5133.43	48.28	8	-0.66	1510.70	12.98	1
60	130.00	-1.66	575.33	-0.07	8	-0.51	167.39	-1.98	1
	650.00	-1.92	2876.64	-0.33	8	-0.58	836.94	-9.91	1
	1170.00	-2.18	5177.95	-0.59	8	-0.66	1506.50	-17.83	1

61	130.00	-1.67	583.55	-5.04	8	-0.48	165.99	2.48	1
	650.00	-1.94	2917.73	-25.20	8	-0.56	829.93	12.41	1
	1170.00	-2.21	5251.91	-45.36	8	-0.63	1493.87	22.34	1
62	130.00	-1.51	378.27	-44.94	9	-0.50	154.35	-11.33	1
	650.00	-1.74	2535.14	-137.30	8	-0.58	771.74	-56.64	1
	1170.00	-1.99	4563.25	-247.14	8	-0.65	1389.12	-101.95	1
63	130.00	-0.43	116.61	-91.35	8	-0.19	40.70	-6.51	1
	650.00	-0.53	583.04	-456.73	8	-0.21	203.52	-32.56	1
	1170.00	-0.62	1049.47	-822.11	8	-0.23	366.34	-58.61	1
64	52.50	-0.19	2103.16	-0.00	7	-0.01	65.09	-0.00	1
	262.50	-0.14	1605.06	0.00	7	-0.03	-306.25	0.00	1
	472.50	-0.37	4155.51	0.01	7	-0.08	-918.92	0.00	1
65	52.50	-0.66	-7480.44	0.00	7	-0.09	-941.84	0.00	1
	262.50	-0.24	-2719.16	0.00	7	-0.03	-304.58	0.00	1
	472.50	-0.16	-1852.59	-0.00	7	-0.01	62.58	-0.00	1
66	52.50	-3.26	36901.72	-0.04	9	-0.63	7118.37	-0.01	1
	262.50	-1.62	18294.21	-0.01	9	-0.42	4719.78	-0.00	1
	472.50	-0.49	5519.58	0.01	7	-0.07	727.58	0.00	1
67	52.50	-0.20	2223.51	0.00	7	-0.01	83.20	-0.00	1
	262.50	-0.12	-1376.17	0.00	8	-0.04	-396.47	0.00	1
	472.50	-0.38	-4303.62	0.01	8	-0.10	-1094.31	0.00	1
68	52.50	-0.65	-7410.22	0.00	7	-0.10	-1094.44	0.00	1
	262.50	-0.24	-2709.11	-0.00	7	-0.03	-378.51	0.00	1
	472.50	-0.17	-1902.23	-0.01	7	-0.01	89.58	-0.00	1
69	52.50	-3.48	39363.53	0.01	9	-0.70	7927.76	0.00	1
	262.50	-1.89	21359.76	0.00	9	-0.49	5586.48	-0.00	1
	472.50	-0.48	5476.88	-0.00	7	-0.09	985.69	-0.00	1
70	52.50	-0.16	1776.25	0.00	7	-0.00	11.61	-0.00	1
	262.50	-0.13	-1494.96	-0.00	8	-0.04	-420.85	0.00	1
	472.50	-0.40	-4556.75	-0.00	8	-0.11	-1250.12	0.00	1
71	52.50	-0.62	-7022.31	-0.01	7	-0.10	-1104.80	-0.00	1
	262.50	-0.22	-2516.59	-0.01	7	-0.03	-349.69	-0.00	1
	472.50	-0.13	-1482.04	-0.00	7	-0.01	144.91	0.00	1
72	52.50	-3.41	38576.45	0.00	9	-0.69	7813.03	0.00	1
	262.50	-1.87	21185.38	0.01	9	-0.49	5574.23	0.00	1
	472.50	-0.47	5284.42	0.01	9	-0.09	1000.88	0.00	1
73	52.50	-0.12	1387.31	0.01	7	-0.01	-54.97	0.00	1
	262.50	-0.15	-1707.96	-0.00	8	-0.04	-463.03	-0.00	1
	472.50	-0.36	-4064.75	-0.00	8	-0.11	-1163.13	-0.00	1
74	52.50	-0.43	-4831.58	-0.01	7	-0.05	-571.55	-0.00	1
	262.50	-0.16	-1859.32	-0.01	7	-0.02	-212.74	0.00	1

	472.50	-0.10	-1144.86	-0.00	7	-0.02	211.86	0.00	1
75	52.50	-2.99	33839.45	0.03	9	-0.62	7052.99	0.00	1
	262.50	-1.62	18323.23	0.01	9	-0.45	5057.36	0.00	1
	472.50	-0.25	2851.94	-0.01	7	-0.03	363.60	-0.00	1
76	52.50	-0.08	-834.48	0.01	6	-0.01	-163.35	-0.00	1
	262.50	-0.07	820.50	0.00	7	-0.03	-352.97	-0.00	1
	472.50	-0.36	-4093.93	-0.02	8	-0.08	-862.81	-0.00	1
77	52.50	-0.09	-983.75	-0.01	6	-0.05	568.27	-0.00	1
	262.50	-0.08	918.06	-0.00	6	-0.02	188.57	0.00	1
	472.50	-0.10	-1087.17	-0.00	7	-0.01	126.98	0.00	1
78	52.50	-0.57	-6501.47	-0.00	9	-0.24	-2685.22	0.00	1
	262.50	-0.55	6250.90	0.00	9	-0.17	1968.68	-0.00	1
	472.50	-0.19	2136.87	0.01	7	-0.02	231.29	-0.00	1
79	50.00	-0.10	1109.37	-0.00	6	-0.01	-94.35	0.00	1
	250.00	-0.36	4101.96	-0.01	6	-0.08	897.46	-0.00	1
	450.00	-0.94	10655.85	-0.02	6	-0.04	491.77	-0.01	1
80	50.00	-0.09	1002.87	0.01	9	-0.02	190.62	0.00	1
	250.00	-0.13	-1480.87	-0.00	7	-0.02	-222.98	-0.00	1
	450.00	-0.19	2163.52	-0.01	9	-0.06	702.05	-0.00	1
81	50.00	-0.11	1237.86	-0.01	9	-0.02	243.65	-0.00	1
	250.00	-0.15	-1668.02	-0.00	9	-0.03	-358.68	-0.00	1
	450.00	-0.11	1183.65	0.00	9	-0.02	228.15	-0.00	1
82	50.00	-0.25	2824.33	-0.01	9	-0.06	616.04	-0.00	1
	250.00	-0.10	-1109.11	0.00	9	-0.02	-224.50	0.00	1
	450.00	-0.08	831.80	0.01	9	-0.02	189.24	0.00	1
83	50.00	-0.44	4979.61	-0.01	6	-0.07	734.67	0.00	1
	250.00	-0.09	1023.47	-0.00	6	-0.00	-50.91	0.00	1
	450.00	-0.12	-1324.05	0.01	9	-0.03	-332.06	-0.00	1
84	50.00	-1.51	-17080.91	0.02	6	-0.05	-504.93	-0.00	1
	250.00	-0.26	-2930.11	0.01	6	-0.08	825.27	-0.00	1
	450.00	-0.22	-2526.52	-0.00	6	-0.04	-457.92	-0.00	1
85	50.00	-0.13	1502.97	0.00	6	-0.00	20.63	0.00	1
	250.00	-0.68	7679.60	0.00	8	-0.16	1858.57	-0.00	1
	450.00	-0.99	11227.11	-0.00	6	-0.02	169.69	-0.00	1
86	50.00	-0.03	-373.81	0.00	6	-0.00	26.58	0.00	1
	250.00	-0.05	-520.43	-0.00	6	-0.01	155.40	0.00	1
	450.00	-0.19	-2101.59	-0.00	6	-0.02	206.35	-0.00	1
87	50.00	-0.03	-329.78	0.01	9	-0.01	-89.66	0.00	1
	250.00	-0.04	404.22	-0.00	8	-0.01	60.94	-0.00	1
	450.00	-0.05	-558.40	-0.01	9	-0.02	-184.07	-0.00	1
88	50.00	-0.12	-1324.95	-0.00	6	-0.02	-254.78	-0.00	1

	250.00	-0.02	-211.41	-0.00	6	-0.00	43.25	-0.00	1
	450.00	-0.02	-175.96	-0.00	6	-0.00	-8.11	0.00	1
89	50.00	-0.42	4774.34	-0.01	6	-0.02	222.64	-0.00	1
	250.00	-0.16	1816.23	-0.00	6	-0.01	131.28	-0.00	1
	450.00	-0.06	683.36	0.00	6	-0.01	131.27	0.00	1
90	50.00	-1.74	-19701.57	-0.01	6	-0.02	271.02	-0.00	1
	250.00	-0.48	5485.36	-0.00	9	-0.16	1867.08	-0.00	1
	450.00	-0.21	-2321.11	0.01	6	-0.00	52.00	0.00	1
91	52.50	-0.26	-2976.24	0.00	7	-0.07	737.90	0.00	1
	262.50	-1.27	14364.06	-0.01	8	-0.42	4762.16	-0.00	1
	472.50	-2.31	26117.69	-0.05	8	-0.63	7086.66	-0.01	1
92	52.50	-0.33	3769.95	-0.01	8	-0.09	1022.68	-0.00	1
	262.50	-1.64	18559.11	-0.00	8	-0.49	5595.21	-0.00	1
	472.50	-2.48	28117.62	0.00	8	-0.71	7997.85	-0.00	1
93	52.50	-0.36	4109.48	0.00	8	-0.11	1191.32	-0.00	1
	262.50	-1.65	18714.05	-0.00	8	-0.49	5596.12	-0.00	1
	472.50	-2.51	28364.24	-0.01	8	-0.70	7965.16	-0.00	1
94	52.50	-0.33	3757.55	-0.00	8	-0.10	1048.96	0.00	1
	262.50	-1.66	18769.48	0.00	8	-0.47	5374.25	0.00	1
	472.50	-2.56	28977.46	0.01	8	-0.72	8206.91	-0.00	1
95	52.50	-0.24	2731.87	0.01	8	-0.07	776.76	-0.00	1
	262.50	-1.50	17012.27	0.02	8	-0.47	5358.62	0.00	1
	472.50	-2.19	24824.86	0.02	8	-0.62	7037.50	0.01	1
96	300.00	-1.11	12599.30	0.00	9	-0.38	4248.96	0.00	1
	1500.00	-3.45	39124.62	0.00	9	-1.10	12422.30	0.00	1
	2700.00	-1.19	13484.55	0.00	9	-0.38	4274.29	0.00	1
99	29.00	-1.97	22324.50	0.02	8	-0.39	4425.23	0.01	1
	145.00	-0.66	7521.00	-0.00	8	-0.19	2113.57	0.00	1
	261.00	-2.30	-26048.18	-0.03	8	-0.53	-6031.05	-0.00	1
100	21.00	-0.74	-8408.07	0.02	9	-0.18	-2012.82	0.00	1
	105.00	-0.12	1266.52	-0.01	6	-0.01	125.76	-0.00	1
	189.00	-0.11	1247.81	-0.03	7	-0.02	-203.67	-0.01	1
101	50.00	-0.90	-10232.98	0.05	9	-0.30	-3445.79	0.01	1
	250.00	-1.29	14650.83	0.02	8	-0.38	4351.80	0.00	1
	450.00	-0.28	3199.61	0.03	6	-0.09	-962.16	-0.01	1
102	50.00	-1.27	-14390.38	0.02	8	-0.38	-4303.95	0.01	1
	250.00	-1.44	16312.78	-0.01	8	-0.48	5424.86	-0.00	1
	450.00	-1.23	-13945.86	-0.04	9	-0.38	-4327.64	-0.01	1
103	50.00	-1.22	-13864.18	0.00	8	-0.39	-4392.90	0.00	1
	250.00	-1.73	19602.86	0.00	8	-0.53	6004.02	-0.00	1
	450.00	-1.26	-14287.01	-0.00	8	-0.39	-4392.06	-0.00	1

104	50.00	-1.28	-14524.36	-0.01	8	-0.33	-3699.63	-0.00	1
	250.00	-1.74	19730.51	-0.00	8	-0.52	5935.33	-0.00	1
	450.00	-1.22	-13764.92	0.00	8	-0.38	-4259.38	-0.00	1
105	50.00	-1.49	-16851.25	-0.02	9	-0.47	-5266.91	-0.01	1
	250.00	-1.63	18501.41	-0.01	8	-0.50	5611.21	-0.00	1
	450.00	-1.22	-13836.33	0.02	8	-0.35	-3924.28	0.01	1
106	50.00	-0.90	-10189.07	-0.09	6	-0.09	-961.71	-0.01	1
	250.00	-1.02	11581.13	0.01	9	-0.37	4178.88	0.00	1
	450.00	-1.20	-13613.31	0.03	9	-0.40	-4487.28	0.02	1
107	50.00	-0.98	-11080.34	-0.04	9	-0.30	-3364.09	-0.01	1
	250.00	-1.35	15227.17	-0.02	8	-0.39	4407.84	-0.00	1
	450.00	-0.42	-4700.24	0.01	7	-0.09	-950.42	0.01	1
108	50.00	-1.29	-14630.12	-0.01	9	-0.38	-4318.06	-0.00	1
	250.00	-1.60	18142.30	0.01	9	-0.48	5386.76	0.00	1
	450.00	-1.24	-14033.61	0.04	9	-0.37	-4232.60	0.01	1
109	50.00	-1.29	-14639.53	0.01	9	-0.38	-4287.15	0.00	1
	250.00	-1.80	20399.90	0.00	9	-0.53	6041.36	0.00	1
	450.00	-1.33	-15006.76	-0.01	9	-0.39	-4411.74	0.00	1
110	50.00	-1.63	-18404.89	0.01	8	-0.39	-4443.36	0.00	1
	250.00	-1.71	19370.65	0.00	8	-0.51	5737.25	0.00	1
	450.00	-1.29	-14571.42	-0.02	9	-0.38	-4289.39	-0.00	1
111	50.00	-0.60	-6766.43	0.01	8	-0.17	-1894.80	-0.00	1
	250.00	-0.63	7133.63	0.00	9	-0.23	2616.81	-0.00	1
	450.00	-0.76	-8581.17	-0.00	9	-0.23	-2626.62	-0.00	1
112	21.00	-0.20	-2290.65	0.01	8	-0.05	-538.40	0.01	1
	105.00	-0.05	590.88	-0.01	6	-0.02	200.71	-0.00	1
	189.00	-0.20	-2291.03	-0.02	7	-0.04	-449.54	-0.01	1
113	50.00	-0.43	-4849.91	0.00	9	-0.12	-1338.65	0.00	1
	250.00	-0.48	5425.01	0.00	9	-0.15	1674.00	0.00	1
	450.00	-0.57	-6488.24	-0.00	9	-0.14	-1632.69	-0.00	1
114	64.50	-0.51	-5769.46	0.00	9	-0.13	-1506.01	0.00	1
	322.50	-0.69	7808.43	-0.00	9	-0.24	2678.28	-0.00	1
	580.50	-0.40	-4517.05	-0.00	9	-0.15	-1664.22	-0.00	1
115	52.50	-0.21	-2418.73	-0.00	9	-0.10	-1101.77	-0.00	1
	262.50	-0.46	5174.83	-0.00	9	-0.17	1908.12	-0.00	1
	472.50	-0.32	-3581.94	-0.01	8	-0.13	-1520.92	0.00	1
116	52.50	-0.57	-6440.97	-0.00	9	-0.17	-1966.91	-0.00	1
	262.50	-0.55	6234.61	0.00	9	-0.21	2392.92	-0.00	1
	472.50	-0.15	-1751.70	0.00	9	-0.06	-707.77	0.00	1
117	52.50	-0.50	-5643.24	0.01	8	-0.19	-2123.32	0.01	1
	262.50	-0.55	6261.26	0.00	9	-0.18	2007.45	0.00	1

	472.50	-0.60	-6788.43	-0.00	9	-0.22	-2483.34	-0.00	1
118	52.50	-1.78	-20094.79	0.02	7	-0.12	1410.70	-0.01	1
	262.50	-0.59	6697.58	-0.02	8	-0.25	2824.75	-0.00	1
	472.50	-0.17	-1922.62	-0.01	7	-0.01	-57.31	-0.00	1
119	52.50	-0.27	3085.34	0.01	7	-0.01	-104.77	0.00	1
	262.50	-1.20	13542.43	0.00	7	-0.30	3356.75	0.00	1
	472.50	-2.76	31274.14	-0.00	7	-0.09	952.72	0.00	1
120	52.50	-0.65	-7401.20	0.01	9	-0.19	-2094.52	0.00	1
	262.50	-0.58	6599.73	-0.01	8	-0.19	2107.27	-0.00	1
	472.50	-0.77	-8705.08	-0.01	9	-0.18	-1995.99	-0.00	1
121	52.50	-0.53	-5995.72	-0.02	8	-0.18	-1999.92	-0.00	1
	262.50	-0.63	7156.09	-0.01	9	-0.19	2103.69	-0.00	1
	472.50	-0.63	-7177.86	0.01	8	-0.19	-2104.03	0.00	1
122	52.50	-2.72	-30787.38	0.01	7	-0.09	970.57	0.00	1
	262.50	-0.95	10792.67	0.00	8	-0.29	3266.96	0.00	1
	472.50	-0.26	-2890.49	0.01	7	-0.01	-114.78	0.00	1

Verifica stato limite di esercizio - tensioni massime nell'acciaio

Combinazione rara						Combinazione quasi permanente				
Elemento	Ascissa (cm)	Tensione (kg/cm2)	Mz (kgxcm)	My (kgxcm)	Comb.	Tensione (kg/cm2)	Mz (kgxcm)	My (kgxcm)	Comb.	
25	130.00	6.50	9.52	-22.08	9	1.90	7.05	-4.93	1	
	650.00	6.70	47.58	-110.42	9	1.97	35.27	-24.66	1	
	1170.00	6.89	85.64	-198.75	9	2.05	63.48	-44.38	1	
26	130.00	8.21	6.71	17.79	9	2.43	7.22	1.67	1	
	650.00	8.37	33.55	88.95	9	2.48	36.11	8.34	1	
	1170.00	8.51	60.39	160.11	9	2.54	65.00	15.02	1	
27	130.00	6.30	-5.86	34.29	9	2.18	5.34	4.73	1	
	650.00	6.55	-29.29	171.46	9	2.23	26.72	23.63	1	
	1170.00	6.79	-52.72	308.63	9	2.29	48.10	42.53	1	
28	130.00	9.94	-77.08	39.82	9	3.84	-14.45	7.24	1	
	650.00	10.64	-385.42	199.11	9	3.98	-72.24	36.19	1	
	1170.00	11.35	-693.76	358.40	9	4.11	-130.03	65.14	1	
29	130.00	15.04	-159.11	-107.90	8	3.91	-45.64	-8.71	1	
	650.00	16.65	-795.53	-539.52	8	4.24	-228.18	-43.55	1	
	1170.00	18.35	-1163.16	-1446.04	6	4.57	-410.72	-78.39	1	
30	130.00	21.35	-643.63	39.62	9	6.32	-144.43	11.87	1	
	650.00	25.47	-3218.15	198.11	9	7.27	-722.15	59.35	1	
	1170.00	29.60	-5792.67	356.60	9	8.21	-1299.86	106.83	1	
31	130.00	26.00	-718.19	6.37	9	7.61	-166.82	1.56	1	
	650.00	30.37	-3590.94	31.83	9	8.63	-834.11	7.82	1	
	1170.00	34.75	-6463.70	57.30	9	9.64	-1501.40	14.08	1	

32	130.00	25.97	-708.42	-3.07	9	7.61	-165.55	-0.36	1
	650.00	30.27	-3542.10	-15.37	9	8.61	-827.74	-1.79	1
	1170.00	34.56	-6375.79	-27.67	9	9.61	-1489.93	-3.23	1
33	130.00	25.63	-534.12	-43.95	8	7.04	-149.69	-7.29	1
	650.00	29.12	-2670.61	-219.77	8	7.99	-748.45	-36.43	1
	1170.00	32.61	-4807.09	-395.58	8	8.94	-1347.21	-65.58	1
34	130.00	12.73	-48.61	-0.50	9	4.28	-9.58	-2.53	1
	650.00	13.02	-243.07	-2.51	9	4.35	-47.88	-12.64	1
	1170.00	13.32	-437.52	-4.51	9	4.43	-86.19	-22.74	1
35	130.00	6.28	-26.16	-42.02	9	2.43	-0.58	-11.51	1
	650.00	6.70	-130.81	-210.12	9	2.50	-2.92	-57.55	1
	1170.00	7.12	-235.46	-378.22	9	2.58	-5.26	-103.59	1
36	130.00	5.56	47.16	-144.52	8	1.90	14.27	-23.95	1
	650.00	6.71	235.81	-722.60	8	2.14	71.35	-119.77	1
	1170.00	7.87	424.46	-1300.68	8	2.37	128.43	-215.59	1
37	130.00	21.81	99.33	-12.51	9	3.98	14.38	-5.96	1
	650.00	25.40	496.67	-62.57	9	4.64	71.91	-29.82	1
	1170.00	28.99	894.01	-112.63	9	5.29	129.44	-53.68	1
38	130.00	23.64	104.90	-0.01	9	4.94	16.97	0.29	1
	650.00	27.01	524.49	-0.07	9	5.50	84.84	1.45	1
	1170.00	30.37	944.09	-0.13	9	6.05	152.71	2.61	1
39	130.00	23.40	101.30	0.73	9	4.87	16.94	-0.08	1
	650.00	26.67	506.52	3.65	9	5.42	84.71	-0.40	1
	1170.00	29.95	911.74	6.57	9	5.96	152.47	-0.71	1
40	130.00	17.52	67.87	23.36	9	3.64	9.38	5.21	1
	650.00	20.45	339.34	116.78	9	4.11	46.88	26.03	1
	1170.00	23.37	610.81	210.20	9	4.58	84.39	46.85	1
41	130.00	1.23	8.54	23.53	7	0.08	-7.52	8.78	1
	650.00	2.21	42.72	117.67	7	0.17	-37.61	43.92	1
	1170.00	3.08	76.90	211.81	7	0.40	-67.71	79.06	1
42	130.00	4.50	2.92	22.72	9	1.88	-1.33	10.96	1
	650.00	4.66	14.59	113.59	9	1.95	-6.66	54.80	1
	1170.00	5.13	-29.40	-897.26	8	2.03	-11.99	98.64	1
43	130.00	11.15	0.12	-194.46	8	3.32	0.06	-33.69	1
	650.00	12.32	0.61	-972.32	8	3.53	0.30	-168.44	1
	1170.00	13.50	1.10	-1750.17	8	3.73	0.54	-303.19	1
44	130.00	4.12	-0.04	29.36	6	0.10	-0.05	-3.27	1
	650.00	5.06	-0.20	146.81	6	0.12	-0.24	-16.37	1
	1170.00	6.01	-0.37	264.25	6	0.14	-0.42	-29.47	1
45	130.00	0.47	0.13	-0.48	8	0.10	0.02	1.62	1
	650.00	0.55	-105.47	22.74	9	0.11	0.10	8.08	1

	1170.00	1.01	-317.21	27.16	7	0.12	0.19	14.55	1
46	130.00	0.47	3.26	0.61	8	0.13	0.93	-0.41	1
	650.00	0.55	-77.86	-8.25	9	0.14	4.66	-2.07	1
	1170.00	0.71	-261.53	-12.97	7	0.14	8.39	-3.73	1
47	130.00	1.11	4.09	-17.13	6	0.07	2.15	-2.60	1
	650.00	1.79	20.45	-85.66	6	0.09	10.75	-12.99	1
	1170.00	2.39	36.81	-154.18	6	0.12	19.36	-23.39	1
48	130.00	1.37	5.80	69.61	6	0.05	3.10	3.23	1
	650.00	1.82	28.99	348.06	6	0.09	15.51	16.16	1
	1170.00	2.28	52.19	626.50	6	0.12	27.91	29.09	1
49	130.00	9.54	4.70	109.74	9	3.35	4.62	35.21	1
	650.00	10.23	23.49	548.68	9	3.59	23.08	176.05	1
	1170.00	10.93	42.28	987.62	9	3.83	41.55	316.90	1
50	130.00	5.83	3.24	-64.74	9	1.90	-14.36	-23.54	1
	650.00	6.64	-246.63	-708.37	8	2.13	-71.78	-117.69	1
	1170.00	7.80	-443.94	-1275.06	8	2.36	-129.20	-211.84	1
51	130.00	18.88	-54.37	-1.11	8	4.12	-14.22	-7.04	1
	650.00	20.66	-271.84	-5.54	8	4.80	-71.08	-35.18	1
	1170.00	22.44	-489.31	-9.97	8	5.48	-127.94	-63.33	1
52	130.00	17.93	-65.70	-3.31	8	5.28	-17.27	0.49	1
	650.00	20.15	-328.52	-16.57	8	5.85	-86.33	2.47	1
	1170.00	22.36	-591.33	-29.82	8	6.42	-155.39	4.44	1
53	130.00	18.50	-69.65	1.84	8	5.26	-19.27	-0.40	1
	650.00	20.80	-348.27	9.21	8	5.89	-96.35	-1.99	1
	1170.00	23.09	-626.88	16.59	8	6.52	-173.43	-3.58	1
54	130.00	20.24	-65.20	-7.10	8	5.41	-18.45	0.17	1
	650.00	22.56	-325.99	-35.51	8	6.01	-92.27	0.86	1
	1170.00	24.87	-586.77	-63.91	8	6.61	-166.09	1.55	1
55	130.00	8.14	-57.29	57.53	8	3.77	-13.70	7.40	1
	650.00	11.83	-286.44	287.64	8	4.45	-68.50	37.00	1
	1170.00	15.44	-515.59	517.76	8	5.12	-123.30	66.61	1
56	130.00	5.41	-18.86	62.69	9	1.88	-16.88	22.67	1
	650.00	5.90	-94.30	313.44	9	2.12	-84.39	113.34	1
	1170.00	6.39	-169.75	564.19	9	2.36	-151.90	204.01	1
57	130.00	13.23	149.26	-86.30	8	3.74	44.29	-6.67	1
	650.00	14.65	746.30	-431.48	8	4.06	221.45	-33.36	1
	1170.00	16.08	1343.34	-776.66	8	4.37	398.61	-60.05	1
58	130.00	19.02	306.96	49.73	9	6.42	144.99	12.04	1
	650.00	21.53	2419.54	259.94	8	7.37	724.96	60.21	1
	1170.00	24.76	4355.18	467.88	8	8.31	1304.92	108.38	1
59	130.00	24.67	570.38	5.36	8	7.62	167.86	1.44	1

	650.00	28.14	2851.91	26.82	8	8.64	839.28	7.21	1
	1170.00	31.62	5133.43	48.28	8	9.66	1510.70	12.98	1
60	130.00	24.79	575.33	-0.07	8	7.57	167.39	-1.98	1
	650.00	28.27	2876.64	-0.33	8	8.60	836.94	-9.91	1
	1170.00	31.74	5177.95	-0.59	8	9.62	1506.50	-17.83	1
61	130.00	24.98	583.55	-5.04	8	7.16	165.99	2.48	1
	650.00	28.53	2917.73	-25.20	8	8.18	829.93	12.41	1
	1170.00	32.09	5251.91	-45.36	8	9.19	1493.87	22.34	1
62	130.00	22.57	378.27	-44.94	9	7.46	154.35	-11.33	1
	650.00	25.63	2535.14	-137.30	8	8.46	771.74	-56.64	1
	1170.00	28.86	4563.25	-247.14	8	9.46	1389.12	-101.95	1
63	130.00	6.42	116.61	-91.35	8	2.80	40.70	-6.51	1
	650.00	7.67	583.04	-456.73	8	3.10	203.52	-32.56	1
	1170.00	8.93	1049.47	-822.11	8	3.38	366.34	-58.61	1
64	52.50	9.85	2103.16	-0.00	7	0.30	65.09	-0.00	1
	262.50	7.52	1605.06	0.00	7	1.41	-306.25	0.00	1
	472.50	19.46	4155.51	0.01	7	4.24	-918.92	0.00	1
65	52.50	35.03	-7480.44	0.00	7	4.35	-941.84	0.00	1
	262.50	12.73	-2719.16	0.00	7	1.41	-304.58	0.00	1
	472.50	8.68	-1852.59	-0.00	7	0.29	62.58	-0.00	1
66	52.50	172.80	36901.72	-0.04	9	33.33	7118.37	-0.01	1
	262.50	85.67	18294.21	-0.01	9	22.10	4719.78	-0.00	1
	472.50	25.85	5519.58	0.01	7	3.36	727.58	0.00	1
67	52.50	10.41	2223.51	0.00	7	0.38	83.20	-0.00	1
	262.50	6.44	-1376.17	0.00	8	1.83	-396.47	0.00	1
	472.50	20.15	-4303.62	0.01	8	5.05	-1094.31	0.00	1
68	52.50	34.70	-7410.22	0.00	7	5.05	-1094.44	0.00	1
	262.50	12.69	-2709.11	-0.00	7	1.75	-378.51	0.00	1
	472.50	8.91	-1902.23	-0.01	7	0.41	89.58	-0.00	1
69	52.50	184.35	39363.53	0.01	9	37.12	7927.76	0.00	1
	262.50	100.02	21359.76	0.00	9	26.16	5586.48	-0.00	1
	472.50	25.65	5476.88	-0.00	7	4.55	985.69	-0.00	1
70	52.50	8.32	1776.25	0.00	7	0.05	11.61	-0.00	1
	262.50	7.00	-1494.96	-0.00	8	1.94	-420.85	0.00	1
	472.50	21.34	-4556.75	-0.00	8	5.77	-1250.12	0.00	1
71	52.50	32.88	-7022.31	-0.01	7	5.10	-1104.80	-0.00	1
	262.50	11.78	-2516.59	-0.01	7	1.61	-349.69	-0.00	1
	472.50	6.94	-1482.04	-0.00	7	0.67	144.91	0.00	1
72	52.50	180.67	38576.45	0.00	9	36.59	7813.03	0.00	1
	262.50	99.21	21185.38	0.01	9	26.10	5574.23	0.00	1
	472.50	24.75	5284.42	0.01	9	4.62	1000.88	0.00	1

73	52.50	6.50	1387.31	0.01	7	0.25	-54.97	0.00	1
	262.50	8.00	-1707.96	-0.00	8	2.14	-463.03	-0.00	1
	472.50	19.03	-4064.75	-0.00	8	5.37	-1163.13	-0.00	1
74	52.50	22.63	-4831.58	-0.01	7	2.64	-571.55	-0.00	1
	262.50	8.71	-1859.32	-0.01	7	0.98	-212.74	0.00	1
	472.50	5.28	-1144.86	-0.00	7	0.98	211.86	0.00	1
75	52.50	158.46	33839.45	0.03	9	33.03	7052.99	0.00	1
	262.50	85.80	18323.23	0.01	9	23.68	5057.36	0.00	1
	472.50	13.35	2851.94	-0.01	7	1.68	363.60	-0.00	1
76	52.50	3.85	-834.48	0.01	6	0.75	-163.35	-0.00	1
	262.50	3.79	820.50	0.00	7	1.63	-352.97	-0.00	1
	472.50	19.17	-4093.93	-0.02	8	3.98	-862.81	-0.00	1
77	52.50	4.54	-983.75	-0.01	6	2.62	568.27	-0.00	1
	262.50	4.24	918.06	-0.00	6	0.87	188.57	0.00	1
	472.50	5.02	-1087.17	-0.00	7	0.59	126.98	0.00	1
78	52.50	30.44	-6501.47	-0.00	9	12.57	-2685.22	0.00	1
	262.50	29.27	6250.90	0.00	9	9.22	1968.68	-0.00	1
	472.50	10.01	2136.87	0.01	7	1.07	231.29	-0.00	1
79	50.00	5.12	1109.37	-0.00	6	0.44	-94.35	0.00	1
	250.00	19.21	4101.96	-0.01	6	4.14	897.46	-0.00	1
	450.00	49.90	10655.85	-0.02	6	2.27	491.77	-0.01	1
80	50.00	4.63	1002.87	0.01	9	0.88	190.62	0.00	1
	250.00	6.93	-1480.87	-0.00	7	1.03	-222.98	-0.00	1
	450.00	10.13	2163.52	-0.01	9	3.24	702.05	-0.00	1
81	50.00	5.71	1237.86	-0.01	9	1.12	243.65	-0.00	1
	250.00	7.81	-1668.02	-0.00	9	1.66	-358.68	-0.00	1
	450.00	5.46	1183.65	0.00	9	1.05	228.15	-0.00	1
82	50.00	13.23	2824.33	-0.01	9	2.84	616.04	-0.00	1
	250.00	5.12	-1109.11	0.00	9	1.04	-224.50	0.00	1
	450.00	3.84	831.80	0.01	9	0.87	189.24	0.00	1
83	50.00	23.32	4979.61	-0.01	6	3.39	734.67	0.00	1
	250.00	4.72	1023.47	-0.00	6	0.23	-50.91	0.00	1
	450.00	6.11	-1324.05	0.01	9	1.53	-332.06	-0.00	1
84	50.00	79.99	-17080.91	0.02	6	2.33	-504.93	-0.00	1
	250.00	13.72	-2930.11	0.01	6	3.81	825.27	-0.00	1
	450.00	11.83	-2526.52	-0.00	6	2.11	-457.92	-0.00	1
85	50.00	7.04	1502.97	0.00	6	0.10	20.63	0.00	1
	250.00	35.96	7679.60	0.00	8	8.70	1858.57	-0.00	1
	450.00	52.57	11227.11	-0.00	6	0.78	169.69	-0.00	1
86	50.00	1.73	-373.81	0.00	6	0.12	26.58	0.00	1
	250.00	2.40	-520.43	-0.00	6	0.72	155.40	0.00	1

	450.00	9.84	-2101.59	-0.00	6	0.95	206.35	-0.00	1
87	50.00	1.52	-329.78	0.01	9	0.41	-89.66	0.00	1
	250.00	1.87	404.22	-0.00	8	0.28	60.94	-0.00	1
	450.00	2.58	-558.40	-0.01	9	0.85	-184.07	-0.00	1
88	50.00	6.11	-1324.95	-0.00	6	1.18	-254.78	-0.00	1
	250.00	0.98	-211.41	-0.00	6	0.20	43.25	-0.00	1
	450.00	0.81	-175.96	-0.00	6	0.04	-8.11	0.00	1
89	50.00	22.36	4774.34	-0.01	6	1.03	222.64	-0.00	1
	250.00	8.50	1816.23	-0.00	6	0.61	131.28	-0.00	1
	450.00	3.15	683.36	0.00	6	0.61	131.27	0.00	1
90	50.00	92.26	-19701.57	-0.01	6	1.25	271.02	-0.00	1
	250.00	25.69	5485.36	-0.00	9	8.74	1867.08	-0.00	1
	450.00	10.87	-2321.11	0.01	6	0.24	52.00	0.00	1
91	52.50	13.94	-2976.24	0.00	7	3.41	737.90	0.00	1
	262.50	67.26	14364.06	-0.01	8	22.30	4762.16	-0.00	1
	472.50	122.30	26117.69	-0.05	8	33.19	7086.66	-0.01	1
92	52.50	17.65	3769.95	-0.01	8	4.72	1022.68	-0.00	1
	262.50	86.91	18559.11	-0.00	8	26.20	5595.21	-0.00	1
	472.50	131.67	28117.62	0.00	8	37.45	7997.85	-0.00	1
93	52.50	19.24	4109.48	0.00	8	5.50	1191.32	-0.00	1
	262.50	87.63	18714.05	-0.00	8	26.21	5596.12	-0.00	1
	472.50	132.82	28364.24	-0.01	8	37.30	7965.16	-0.00	1
94	52.50	17.60	3757.55	-0.00	8	4.84	1048.96	0.00	1
	262.50	87.89	18769.48	0.00	8	25.17	5374.25	0.00	1
	472.50	135.69	28977.46	0.01	8	38.43	8206.91	-0.00	1
95	52.50	12.79	2731.87	0.01	8	3.58	776.76	-0.00	1
	262.50	79.66	17012.27	0.02	8	25.09	5358.62	0.00	1
	472.50	116.25	24824.86	0.02	8	32.95	7037.50	0.01	1
96	300.00	59.00	12599.30	0.00	9	19.90	4248.96	0.00	1
	1500.00	183.24	39124.62	0.00	9	58.17	12422.30	0.00	1
	2700.00	63.14	13484.55	0.00	9	20.02	4274.29	0.00	1
99	29.00	104.54	22324.50	0.02	8	20.72	4425.23	0.01	1
	145.00	35.22	7521.00	-0.00	8	9.90	2113.57	0.00	1
	261.00	121.98	-26048.18	-0.03	8	28.24	-6031.05	-0.00	1
100	21.00	39.37	-8408.07	0.02	9	9.43	-2012.82	0.00	1
	105.00	5.85	1266.52	-0.01	6	0.58	125.76	-0.00	1
	189.00	5.76	1247.81	-0.03	7	0.94	-203.67	-0.01	1
101	50.00	47.92	-10232.98	0.05	9	16.14	-3445.79	0.01	1
	250.00	68.61	14650.83	0.02	8	20.38	4351.80	0.00	1
	450.00	14.98	3199.61	0.03	6	4.44	-962.16	-0.01	1
102	50.00	67.39	-14390.38	0.02	8	20.15	-4303.95	0.01	1

	250.00	76.39	16312.78	-0.01	8	25.40	5424.86	-0.00	1
	450.00	65.30	-13945.86	-0.04	9	20.27	-4327.64	-0.01	1
103	50.00	64.92	-13864.18	0.00	8	20.57	-4392.90	0.00	1
	250.00	91.80	19602.86	0.00	8	28.12	6004.02	-0.00	1
	450.00	66.90	-14287.01	-0.00	8	20.57	-4392.06	-0.00	1
104	50.00	68.01	-14524.36	-0.01	8	17.32	-3699.63	-0.00	1
	250.00	92.39	19730.51	-0.00	8	27.79	5935.33	-0.00	1
	450.00	64.46	-13764.92	0.00	8	19.95	-4259.38	-0.00	1
105	50.00	78.91	-16851.25	-0.02	9	24.66	-5266.91	-0.01	1
	250.00	86.64	18501.41	-0.01	8	26.28	5611.21	-0.00	1
	450.00	64.79	-13836.33	0.02	8	18.38	-3924.28	0.01	1
106	50.00	47.71	-10189.07	-0.09	6	4.44	-961.71	-0.01	1
	250.00	54.23	11581.13	0.01	9	19.57	4178.88	0.00	1
	450.00	63.75	-13613.31	0.03	9	21.01	-4487.28	0.02	1
107	50.00	51.89	-11080.34	-0.04	9	15.75	-3364.09	-0.01	1
	250.00	71.30	15227.17	-0.02	8	20.64	4407.84	-0.00	1
	450.00	22.01	-4700.24	0.01	7	4.39	-950.42	0.01	1
108	50.00	68.51	-14630.12	-0.01	9	20.22	-4318.06	-0.00	1
	250.00	84.96	18142.30	0.01	9	25.22	5386.76	0.00	1
	450.00	65.72	-14033.61	0.04	9	19.82	-4232.60	0.01	1
109	50.00	68.55	-14639.53	0.01	9	20.08	-4287.15	0.00	1
	250.00	95.53	20399.90	0.00	9	28.29	6041.36	0.00	1
	450.00	70.27	-15006.76	-0.01	9	20.66	-4411.74	0.00	1
110	50.00	86.19	-18404.89	0.01	8	20.81	-4443.36	0.00	1
	250.00	90.71	19370.65	0.00	8	26.87	5737.25	0.00	1
	450.00	68.23	-14571.42	-0.02	9	20.09	-4289.39	-0.00	1
111	50.00	31.69	-6766.43	0.01	8	8.87	-1894.80	-0.00	1
	250.00	33.40	7133.63	0.00	9	12.25	2616.81	-0.00	1
	450.00	40.18	-8581.17	-0.00	9	12.30	-2626.62	-0.00	1
112	21.00	10.73	-2290.65	0.01	8	2.48	-538.40	0.01	1
	105.00	2.73	590.88	-0.01	6	0.93	200.71	-0.00	1
	189.00	10.73	-2291.03	-0.02	7	2.07	-449.54	-0.01	1
113	50.00	22.71	-4849.91	0.00	9	6.27	-1338.65	0.00	1
	250.00	25.40	5425.01	0.00	9	7.84	1674.00	0.00	1
	450.00	30.38	-6488.24	-0.00	9	7.65	-1632.69	-0.00	1
114	64.50	27.02	-5769.46	0.00	9	7.05	-1506.01	0.00	1
	322.50	36.56	7808.43	-0.00	9	12.54	2678.28	-0.00	1
	580.50	21.15	-4517.05	-0.00	9	7.79	-1664.22	-0.00	1
115	52.50	11.33	-2418.73	-0.00	9	5.08	-1101.77	-0.00	1
	262.50	24.23	5174.83	-0.00	9	8.94	1908.12	-0.00	1
	472.50	16.77	-3581.94	-0.01	8	7.12	-1520.92	0.00	1

116	52.50	30.16	-6440.97	-0.00	9	9.21	-1966.91	-0.00	1
	262.50	29.20	6234.61	0.00	9	11.21	2392.92	-0.00	1
	472.50	8.20	-1751.70	0.00	9	3.27	-707.77	0.00	1
117	52.50	26.43	-5643.24	0.01	8	9.94	-2123.32	0.01	1
	262.50	29.32	6261.26	0.00	9	9.40	2007.45	0.00	1
	472.50	31.79	-6788.43	-0.00	9	11.63	-2483.34	-0.00	1
118	52.50	94.10	-20094.79	0.02	7	6.61	1410.70	-0.01	1
	262.50	31.36	6697.58	-0.02	8	13.23	2824.75	-0.00	1
	472.50	9.00	-1922.62	-0.01	7	0.26	-57.31	-0.00	1
119	52.50	14.45	3085.34	0.01	7	0.48	-104.77	0.00	1
	262.50	63.42	13542.43	0.00	7	15.72	3356.75	0.00	1
	472.50	146.45	31274.14	-0.00	7	4.40	952.72	0.00	1
120	52.50	34.66	-7401.20	0.01	9	9.81	-2094.52	0.00	1
	262.50	30.90	6599.73	-0.01	8	9.87	2107.27	-0.00	1
	472.50	40.76	-8705.08	-0.01	9	9.35	-1995.99	-0.00	1
121	52.50	28.08	-5995.72	-0.02	8	9.37	-1999.92	-0.00	1
	262.50	33.51	7156.09	-0.01	9	9.85	2103.69	-0.00	1
	472.50	33.61	-7177.86	0.01	8	9.85	-2104.03	0.00	1
122	52.50	144.17	-30787.38	0.01	7	4.48	970.57	0.00	1
	262.50	50.54	10792.67	0.00	8	15.30	3266.96	0.00	1
	472.50	13.54	-2890.49	0.01	7	0.53	-114.78	0.00	1

Verifica stato limite di esercizio - deformabilità
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Elem	Max. Defless. (cm)	Lunghezza (cm)	Ascissa (cm)	Rapporto Lx/	Rapp. Limite	fs	Tipo Comb.	Comb
25	0.0002	1300.0000	508.6957	6665940.9718	200 >	10.00	Frequente	4
26	0.0002	1300.0000	452.1739	7451755.0050	200 >	10.00	Frequente	4
27	0.0002	1300.0000	678.2609	5354766.8480	200 >	10.00	Frequente	4
28	0.0005	1300.0000	508.6957	2732279.9377	200 >	10.00	Frequente	4
29	0.0024	1300.0000	452.1739	539887.8338	200 >	10.00	Frequente	3
30	0.0042	1300.0000	452.1739	311096.8063	200 >	10.00	Frequente	4
31	0.0048	1300.0000	452.1739	269513.4125	200 >	10.00	Frequente	4
32	0.0048	1300.0000	452.1739	271352.6299	200 >	10.00	Frequente	4
33	0.0043	1300.0000	452.1739	301359.7282	200 >	10.00	Frequente	4
34	0.0003	1300.0000	452.1739	4489538.3328	200 >	10.00	Frequente	3
35	0.0004	1300.0000	847.8261	3647293.3268	200 >	10.00	Frequente	4
36	0.0010	1300.0000	847.8261	1357383.1013	200 >	10.00	Frequente	2
37	0.0013	1300.0000	339.1304	970002.7084	200 >	10.00	Frequente	3
38	0.0014	1300.0000	339.1304	932529.8433	200 >	10.00	Frequente	3
39	0.0013	1300.0000	339.1304	968701.4193	200 >	10.00	Frequente	3
40	0.0009	1300.0000	282.6087	1495371.7709	200 >	10.00	Frequente	3
41	0.0004	1300.0000	847.8261	3699447.3179	200 >	10.00	Frequente	2
42	0.0006	1300.0000	847.8261	2172867.1060	200 >	10.00	Frequente	2
43	0.0012	1300.0000	847.8261	1055810.0412	200 >	10.00	Frequente	2

44	0.0002	1300.0000	960.8696	7838329.4070	200 > 10.00	Frequente	2
45	0.0001	1300.0000	452.1739	9116219.0776	200 > 10.00	Frequente	3
46	0.0001	1300.0000	452.1739	12604543.8400	200 > 10.00	Frequente	3
47	0.0001	1300.0000	904.3478	11702051.0776	200 > 10.00	Frequente	2
48	0.0003	1300.0000	847.8261	4127650.3442	200 > 10.00	Frequente	2
49	0.0010	1300.0000	847.8261	1321743.8539	200 > 10.00	Frequente	4
50	0.0009	1300.0000	847.8261	1380272.9967	200 > 10.00	Frequente	2
51	0.0010	1300.0000	282.6087	1289564.4531	200 > 10.00	Frequente	4
52	0.0012	1300.0000	339.1304	1083856.5472	200 > 10.00	Frequente	4
53	0.0013	1300.0000	339.1304	975182.5454	200 > 10.00	Frequente	4
54	0.0013	1300.0000	339.1304	1013739.1884	200 > 10.00	Frequente	4
55	0.0010	1300.0000	282.6087	1333300.3778	200 > 10.00	Frequente	4
56	0.0007	1300.0000	734.7826	1905242.7492	200 > 10.00	Frequente	4
57	0.0012	1300.0000	452.1739	1078521.8007	200 > 10.00	Frequente	4
58	0.0042	1300.0000	452.1739	309839.2479	200 > 10.00	Frequente	4
59	0.0049	1300.0000	452.1739	267879.7807	200 > 10.00	Frequente	4
60	0.0048	1300.0000	452.1739	268423.3919	200 > 10.00	Frequente	4
61	0.0048	1300.0000	452.1739	271366.9143	200 > 10.00	Frequente	4
62	0.0045	1300.0000	452.1739	291046.0088	200 > 10.00	Frequente	4
63	0.0011	1300.0000	452.1739	1169648.0648	200 > 10.00	Frequente	4
64	0.0005	525.0000	136.9565	1058991.8687	200 > 10.00	Frequente	4
65	0.0005	525.0000	365.2174	964385.8667	200 > 10.00	Frequente	3
66	0.0043	525.0000	114.1304	121359.5106	200 > 10.00	Frequente	4
67	0.0006	525.0000	136.9565	914255.4113	200 > 10.00	Frequente	4
68	0.0005	525.0000	388.0435	955820.6503	200 > 10.00	Frequente	3
69	0.0051	525.0000	114.1304	102546.8226	200 > 10.00	Frequente	4
70	0.0007	525.0000	136.9565	779221.1236	200 > 10.00	Frequente	4
71	0.0005	525.0000	388.0435	970277.0114	200 > 10.00	Frequente	3
72	0.0051	525.0000	114.1304	102834.6816	200 > 10.00	Frequente	4
73	0.0006	525.0000	136.9565	912057.5253	200 > 10.00	Frequente	4
74	0.0004	525.0000	114.1304	1353471.3232	200 > 10.00	Frequente	4
75	0.0049	525.0000	114.1304	106383.8247	200 > 10.00	Frequente	4
76	0.0006	525.0000	182.6087	948671.8573	200 > 10.00	Frequente	2
77	0.0002	525.0000	342.3913	2479600.1227	200 > 10.00	Frequente	4
78	0.0039	525.0000	273.9130	133541.4970	200 > 10.00	Frequente	4
79	0.0009	500.0000	369.5652	583045.7221	200 > 10.00	Frequente	4
80	0.0008	500.0000	217.3913	591540.6245	200 > 10.00	Frequente	4
81	0.0007	500.0000	260.8696	693053.6934	200 > 10.00	Frequente	4
82	0.0008	500.0000	282.6087	659170.0314	200 > 10.00	Frequente	4
83	0.0005	500.0000	369.5652	1001160.2022	200 > 10.00	Frequente	2
84	0.0018	500.0000	282.6087	276447.1261	200 > 10.00	Frequente	2
85	0.0020	500.0000	304.3478	255603.8747	200 > 10.00	Frequente	4
86	0.0001	500.0000	173.9130	3358283.8204	200 > 10.00	Frequente	2
87	0.0002	500.0000	217.3913	2009662.0262	200 > 10.00	Frequente	4
88	0.0002	500.0000	304.3478	2213621.2805	200 > 10.00	Frequente	4
89	0.0003	500.0000	369.5652	1993401.7087	200 > 10.00	Frequente	2
90	0.0023	500.0000	282.6087	213601.9071	200 > 10.00	Frequente	2

91	0.0036	525.0000	433.6957	145424.1935	200 > 10.00	Frequente	4
92	0.0042	525.0000	433.6957	124741.4355	200 > 10.00	Frequente	4
93	0.0041	525.0000	433.6957	127676.4541	200 > 10.00	Frequente	4
94	0.0040	525.0000	433.6957	132601.5877	200 > 10.00	Frequente	4
95	0.0041	525.0000	433.6957	126755.1038	200 > 10.00	Frequente	4
96	0.2360	3000.0000	1565.2174	12709.2797	200 > 10.00	Frequente	3
99	0.0033	290.0000	88.2609	89017.2282	200 > 10.00	Frequente	4
100	0.0018	210.0000	118.6957	115016.3822	200 > 10.00	Frequente	4
101	0.0075	500.0000	260.8696	67024.6713	200 > 10.00	Frequente	4
102	0.0114	500.0000	239.1304	43728.7940	200 > 10.00	Frequente	4
103	0.0121	500.0000	260.8696	41158.5988	200 > 10.00	Frequente	4
104	0.0116	500.0000	239.1304	43276.9394	200 > 10.00	Frequente	4
105	0.0119	500.0000	260.8696	42110.9060	200 > 10.00	Frequente	4
106	0.0077	500.0000	239.1304	64653.3665	200 > 10.00	Frequente	4
107	0.0075	500.0000	260.8696	66987.8972	200 > 10.00	Frequente	4
108	0.0113	500.0000	239.1304	44107.7028	200 > 10.00	Frequente	4
109	0.0122	500.0000	239.1304	41130.3491	200 > 10.00	Frequente	4
110	0.0117	500.0000	260.8696	42696.5296	200 > 10.00	Frequente	4
111	0.0054	500.0000	260.8696	92542.1228	200 > 10.00	Frequente	4
112	0.0010	210.0000	91.3043	205964.8080	200 > 10.00	Frequente	4
113	0.0036	500.0000	239.1304	139285.3705	200 > 10.00	Frequente	4
114	0.0068	645.0000	308.4783	95518.6560	200 > 10.00	Frequente	4
115	0.0036	525.0000	251.0870	145987.7627	200 > 10.00	Frequente	4
116	0.0044	525.0000	273.9130	119997.4085	200 > 10.00	Frequente	4
117	0.0050	525.0000	273.9130	105410.9970	200 > 10.00	Frequente	4
118	0.0031	525.0000	296.7391	168986.0298	200 > 10.00	Frequente	3
119	0.0034	525.0000	296.7391	152318.7425	200 > 10.00	Frequente	2
120	0.0049	525.0000	251.0870	106207.8636	200 > 10.00	Frequente	4
121	0.0048	525.0000	273.9130	109537.2047	200 > 10.00	Frequente	4
122	0.0042	525.0000	296.7391	125458.2333	200 > 10.00	Frequente	3

Minimo fattore di sicurezza:

>10.0

>= 1.00

Duttilità di rotazione

Elem	P/T	af (Rad)	Ab (cm)	Lv (cm)	Lp (cm)	My (kgxcm)	Ry (mRad)	Ru (mRad)	Rc (mRad)	Esito
25	P	1.08	0.00	1300.00	223.57	646753.87	47.70	68.97	0.00	Verificata
26	P	-2.94	0.00	1300.00	194.59	574058.32	41.80	60.26	0.00	Verificata
27	P	0.15	0.00	1300.00	188.16	543027.33	40.10	58.00	0.00	Verificata
28	P	3.14	0.00	1300.00	165.45	471313.13	35.12	50.87	0.00	Verificata
29	P	0.03	0.00	1300.00	170.99	484661.10	36.22	52.52	0.00	Verificata
30	P	3.14	0.00	1300.00	165.93	453246.37	34.73	50.60	0.00	Verificata
31	P	3.14	0.00	1300.00	166.05	445112.52	34.54	50.45	0.00	Verificata
32	P	3.14	0.00	1300.00	165.45	443513.25	34.42	50.27	0.00	Verificata
33	P	3.14	0.00	1300.00	165.45	449262.66	34.59	50.41	0.00	Verificata
34	P	3.02	0.00	1300.00	184.69	520174.88	39.05	56.66	0.00	Verificata
35	P	1.57	0.00	1300.00	165.45	478352.20	35.30	51.03	0.00	Verificata
36	P	1.57	0.00	1300.00	165.45	480894.64	35.37	51.08	0.00	Verificata

37	P	-0.05	0.00	1300.00	173.72	516546.68	37.39	53.88	0.00	Verificata
38	P	-3.14	0.00	1300.00	165.51	492130.93	35.63	51.33	0.00	Verificata
39	P	3.14	0.00	1300.00	165.87	493141.06	35.70	51.44	0.00	Verificata
40	P	3.14	0.00	1300.00	165.45	491024.60	35.61	51.30	0.00	Verificata
41	P	-0.24	0.00	1300.00	200.63	590410.73	43.06	62.10	0.00	Verificata
42	P	-1.59	0.00	1300.00	168.01	494084.75	36.06	52.00	0.00	Verificata
43	P	-1.57	0.00	1300.00	165.77	474518.77	35.26	51.03	0.00	Verificata
44	P	-3.11	0.00	1300.00	169.86	501360.27	36.49	52.61	0.00	Verificata
45	P	1.55	0.00	1300.00	169.28	499609.46	36.37	52.43	0.00	Verificata
46	P	2.78	0.00	1300.00	213.00	628639.88	45.76	65.97	0.00	Verificata
47	P	0.32	0.00	1300.00	209.28	617984.35	44.96	64.82	0.00	Verificata
48	P	-1.57	0.00	1300.00	165.45	486273.84	35.47	51.19	0.00	Verificata
49	P	1.54	0.00	1300.00	170.53	498244.37	36.49	52.70	0.00	Verificata
50	P	1.64	0.00	1300.00	177.15	515015.30	37.87	54.70	0.00	Verificata
51	P	0.04	0.00	1300.00	172.09	510846.84	37.04	53.36	0.00	Verificata
52	P	-3.14	0.00	1300.00	166.32	492753.00	35.77	51.55	0.00	Verificata
53	P	-0.01	0.00	1300.00	167.43	497387.28	36.04	51.92	0.00	Verificata
54	P	-1.11	0.00	1300.00	221.97	659770.75	47.78	68.83	0.00	Verificata
55	P	1.91	0.00	1300.00	210.60	621528.35	45.24	65.23	0.00	Verificata
56	P	-1.57	0.00	1300.00	165.45	486523.72	35.51	51.21	0.00	Verificata
57	P	-3.09	0.00	1300.00	174.14	497290.68	37.00	53.58	0.00	Verificata
58	P	-3.06	0.00	1300.00	177.86	491637.20	37.38	54.37	0.00	Verificata
59	P	-0.69	0.00	1300.00	233.02	627617.60	48.57	70.87	0.00	Verificata
60	P	0.02	0.00	1300.00	168.15	452646.04	35.05	51.14	0.00	Verificata
61	P	3.14	0.00	1300.00	165.45	444443.16	34.45	50.30	0.00	Verificata
62	P	3.14	0.00	1300.00	165.45	449559.88	34.59	50.42	0.00	Verificata
63	P	3.14	0.00	1300.00	165.45	485819.07	35.47	51.19	0.00	Verificata
64	T	-3.14	197.97	197.97	56.09	851407.77	6.94	11.99	0.00	Verificata
65	T	0.00	264.90	260.10	62.31	851407.37	8.17	13.83	0.00	Verificata
66	T	-3.14	359.56	165.44	52.84	851407.87	6.32	11.00	0.02	Verificata
67	T	3.14	196.84	196.84	55.98	851407.52	6.92	11.95	0.00	Verificata
68	T	0.00	207.86	317.14	68.01	851407.56	9.33	15.51	0.00	Verificata
69	T	3.14	399.92	399.92	76.29	851407.58	11.05	17.92	0.02	Verificata
70	T	-0.00	218.02	218.02	58.10	851410.86	7.33	12.59	0.00	Verificata
71	T	-0.00	360.67	164.33	52.73	851408.77	6.30	10.97	0.00	Verificata
72	T	-3.14	367.46	367.46	73.04	851407.32	10.37	16.97	0.02	Verificata
73	T	-3.14	210.68	210.68	57.37	851422.05	7.19	12.37	0.00	Verificata
74	T	-0.00	290.77	234.23	59.72	851409.11	7.65	13.07	0.00	Verificata
75	T	3.14	344.35	344.35	70.73	851407.96	9.89	16.30	0.03	Verificata
76	T	3.14	179.05	179.05	54.20	851408.68	6.58	11.42	0.00	Verificata
77	T	-0.00	325.39	199.61	56.26	851419.85	6.97	12.04	0.00	Verificata
78	T	-0.00	92.09	432.91	79.59	851407.19	11.74	18.88	0.01	Verificata
79	T	-3.14	102.99	102.99	46.60	851408.12	5.28	9.03	0.00	Verificata
80	T	0.00	243.32	256.68	61.97	851438.11	8.10	13.73	0.00	Verificata
81	T	-3.14	160.24	160.24	52.32	851407.77	6.23	10.85	0.00	Verificata
82	T	-3.14	243.73	243.73	60.67	851411.07	7.84	13.35	0.00	Verificata
83	T	-3.14	225.63	225.63	58.86	851410.42	7.48	12.81	0.00	Verificata

84	T	0.00	386.99	113.01	47.60	1653104.92	5.85	9.86	0.01 Verificata
85	T	0.00	261.42	238.58	60.16	851421.85	7.74	13.20	0.02 Verificata
86	T	0.00	210.74	210.74	57.37	851409.48	7.19	12.37	0.00 Verificata
87	T	0.00	275.35	224.65	58.76	858762.16	7.31	12.61	0.00 Verificata
88	T	-0.00	289.71	210.29	57.33	858751.03	7.04	12.19	0.00 Verificata
89	T	-3.14	295.75	204.25	56.72	858751.80	6.92	12.01	0.00 Verificata
90	T	-0.00	275.27	224.73	58.77	858750.80	7.31	12.61	0.01 Verificata
91	T	0.00	127.30	397.70	76.07	851412.24	11.00	17.85	0.02 Verificata
92	T	-3.14	107.52	417.48	78.05	851411.24	11.41	18.43	0.02 Verificata
93	T	3.14	99.01	425.99	78.90	851408.77	11.59	18.67	0.02 Verificata
94	T	0.00	152.53	372.47	73.55	851447.46	10.48	17.12	0.02 Verificata
95	T	-0.00	168.52	356.48	71.95	851415.36	10.14	16.65	0.02 Verificata
96	T	-0.00	342.33	342.33	70.53	851407.15	9.85	16.24	0.01 Verificata
99	T	3.14	130.23	159.77	52.27	851408.45	6.22	10.83	0.02 Verificata
100	T	0.00	78.38	131.62	49.46	851409.11	5.72	9.96	0.01 Verificata
101	T	0.00	283.55	283.55	64.65	851409.77	8.64	14.52	0.01 Verificata
102	T	0.00	163.96	336.04	69.90	851408.00	9.72	16.06	0.01 Verificata
103	T	-0.00	255.85	255.85	61.88	1653105.89	8.89	14.55	0.00 Verificata
104	T	-3.14	264.51	235.49	59.85	1653189.38	8.43	13.90	0.00 Verificata
105	T	-0.00	258.10	241.90	60.49	858752.91	7.65	13.11	0.01 Verificata
106	T	-0.00	278.48	278.48	64.15	1653112.77	9.41	15.27	0.02 Verificata
107	T	-0.00	412.14	87.86	45.08	851409.08	5.08	8.51	0.01 Verificata
108	T	-0.00	138.51	361.49	72.45	851407.72	10.25	16.80	0.01 Verificata
109	T	-0.00	73.64	73.64	43.66	851407.12	4.95	8.00	0.00 Verificata
110	T	0.00	391.63	108.37	47.13	1653104.19	5.77	9.69	0.00 Verificata
111	T	0.00	257.66	257.66	62.06	851407.42	8.12	13.76	0.01 Verificata
112	T	0.00	77.09	132.91	49.59	851414.53	5.74	10.00	0.00 Verificata
113	T	-0.00	96.08	96.08	45.90	851407.23	5.18	8.80	0.00 Verificata
114	T	0.00	374.37	374.37	73.73	851407.80	10.52	17.17	0.00 Verificata
115	T	-0.00	188.26	188.26	55.12	851410.22	6.75	11.70	0.00 Verificata
116	T	-0.00	249.67	275.33	63.83	851407.39	8.48	14.28	0.00 Verificata
117	T	0.00	379.61	379.61	74.26	858752.58	10.39	17.07	0.00 Verificata
118	T	0.00	363.45	161.55	52.45	851407.85	6.25	10.89	0.01 Verificata
119	T	-3.14	112.40	112.40	47.54	851407.63	5.41	9.34	0.02 Verificata
120	T	0.00	185.97	339.03	70.20	851407.76	9.78	16.15	0.01 Verificata
121	T	-0.00	357.65	357.65	72.06	1653106.72	11.25	17.77	0.01 Verificata
122	T	-3.14	390.51	134.49	49.75	851408.07	5.77	10.05	0.02 Verificata

Minimo fattore di sicurezza: >10.0 >= 1.00

Vengono esposti i valori relativi alla sezione di massima curvatura ad ascissa **Ab** nel piano ad ascissa con rotazione **af** intorno all'asse. **Lv** è la lunghezza a taglio, **Lp** la lunghezza della cerniera plastica, **My** è il momento di snervamento, **Ry** e **Ru** sono le rotazioni "capacity" di snervamento ed ultima, la rotazione **Rc** è la rotazione effettiva "demand". **Esito** indica l'esito della verifica.

Verifica contenimento del danno

95	5.000000	-0.007720	0.038601	0.292083	7.566667	0.000000	2863.636364	>10.0	20
96	5.000000	-0.007721	0.038603	0.286698	7.426764	0.000000	16363.636364	>10.0	17
99	5.000000	-0.010668	0.053339	0.297372	5.575151	0.000000	1581.818182	>10.0	19
100	5.000000	-0.004534	0.022670	0.301873	13.315805	0.000000	1145.454545	>10.0	20
101	5.000000	-0.007813	0.039067	0.292409	7.484826	0.000000	2727.272727	>10.0	19
102	5.000000	-0.010393	0.051966	0.292409	5.626976	0.000000	2727.272727	>10.0	19
103	5.000000	-0.010468	0.052342	0.292409	5.586499	0.000000	2727.272727	>10.0	19
104	5.000000	-0.010628	0.053139	0.292409	5.502688	0.000000	2727.272727	>10.0	19
105	5.000000	-0.010597	0.052985	0.292409	5.518737	0.000000	2727.272727	>10.0	19
106	5.000000	-0.009341	0.046705	0.292409	6.260800	0.000000	2727.272727	>10.0	19
107	5.000000	-0.009525	0.047627	0.292409	6.139525	0.000000	2727.272727	>10.0	20
108	5.000000	-0.011409	0.057044	0.292409	5.126036	0.000000	2727.272727	>10.0	20
109	5.000000	-0.011471	0.057354	0.292409	5.098283	0.000000	2727.272727	>10.0	20
110	5.000000	-0.011367	0.056837	0.292409	5.144738	0.000000	2727.272727	>10.0	20
111	5.000000	-0.004534	0.022670	0.292409	12.898337	0.000000	2727.272727	>10.0	20
112	5.000000	-0.002859	0.014296	0.301873	21.115451	0.000000	1145.454545	>10.0	20
113	5.000000	-0.003002	0.015008	0.292409	19.483643	0.000000	2727.272727	>10.0	20
114	5.000000	-0.002670	0.013349	0.290868	21.789322	0.000000	3518.181818	>10.0	20
115	5.000000	-0.002258	0.011289	0.292083	25.872438	0.000000	2863.636364	>10.0	20
116	5.000000	-0.003620	0.018102	0.292083	16.135562	0.000000	2863.636364	>10.0	20
117	5.000000	-0.003620	0.018102	0.292083	16.135562	0.000000	2863.636364	>10.0	20
118	5.000000	-0.003596	0.017979	0.292083	16.246072	0.000000	2863.636364	>10.0	18
119	5.000000	-0.005685	0.028425	0.292083	10.275552	0.000000	2863.636364	>10.0	17
120	5.000000	-0.004521	0.022605	0.292083	12.920998	0.000000	2863.636364	>10.0	19
121	5.000000	-0.004521	0.022605	0.292083	12.920998	0.000000	2863.636364	>10.0	19
122	5.000000	-0.005402	0.027009	0.292083	10.814370	0.000000	2863.636364	>10.0	12