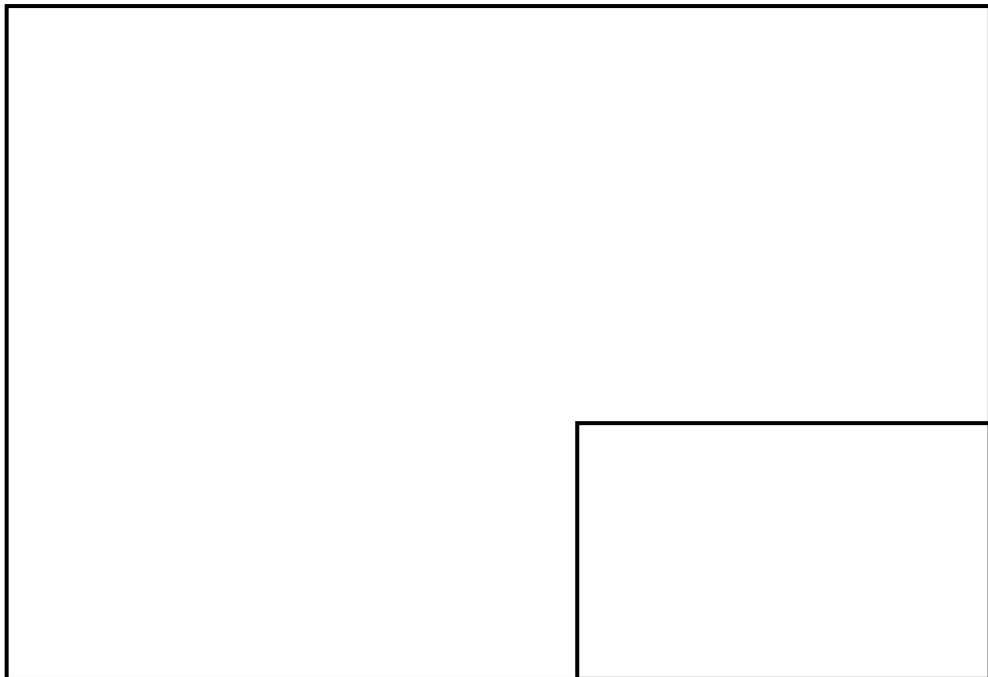


PRONTUARIO DEI PESI TEORICI

Calcolo in base al peso specifico dell'acciaio di Kg. 7,85 al dm^3

RIVENDITORE AUTORIZZATO



Prodotti e lavorazioni

Tubolari a sezione tonda, quadrata, rettangolare, ovale, triangolare, ricavati da nastro caldo e a freddo.

Profili aperti ricavati da lamiera.

Laminati piatti, angolari, tondi, mezzi tondi, quadri, U,T.

Monorotaie e binari.

Travi NP, IPE, HEA/HEB.

Lamiere nere, decapate, lucide, zincate.

Trafilati tondi.

Tubolari per serramenti.

Profili zincati per portoni.

Tubolari zincati per porte e finestre con guarnizioni.

Profili "Palladio Trading".

Lamiere forate a fori tondi e quadri.

Lamiere stirate.

Lamiere per solai autoportanti e per copertura.

Reti elettrosaldate per arredamento e protezioni macchine automatiche.

Gradini antisdrucchiolo per scale di servizio.

Grigliati.

Accessori per portoni industriali.

Ruote e cardini per cancelli.

Automazioni.

Ferro battuto su misura.

Gas tecnici.

Taglio a misura.

TUBOLARI

SERRAMENTI

PROFILI APERTI
MONOROTAIE

LAMINATI

BINARI

LAMIERE/RETI

Tabella comparativa acciai

Designazione attuale e precedente - Current and previous designation - Aktuelle und Vorherige Einstufung

Designazione		Precedenti designazioni equivalenti										
Secondo EN 10027-1 ed ECISS IC 10	Secondo EN10027-2	Secondo EN 10025:1990	Germany	France	United Kingdom	Spain	Italy	Belgium	Sweden	Portugal	Austria	Norway
			(D)	(F)	(UK)	(E)	(I)	(B)	(S)	(P)	(A)	(N)
S185	1.0035	Fe 310-0	St 33	A 33		A310-0	Fe 320	A 320	13 00-00	Fe 310-0	St 320	
S235JR	1.0037	Fe 360 B	St 37-2	E 24-2			Fe 360 B	AE 235-B	13 11-00	Fe 360-B		NS 12 120
S235JRG1	1.0036	Fe 360 BFU	USt 37-2			AE 235 B-FU					USt 360 B	NS 12 122
S235JRG2	1.0038	Fe 360 BFN	RSt 37-2		40 B	AE 235 B-FN			13 12-00		RSt 360 B	NS 12 123
S235J0	1.0114	Fe 360C	St 37-3 U	E 24-3	40 C	AE 235 C	Fe 360-C	AE 235 C		Fe 360-C	St 360 C	NS 12 124
											St 360 CE	
S235J2G3	1.0116	Fe 360 D1	St 37-3 N	E 24-4	40 D	AE 235 D	Fe 360 D	AE 235-D		Fe 360-D	St 360D	Ns 12 124
S235J2G4	1.0117	Fe 360D2										
S275JR	1.044	Fe 430 B	St 44-2	E 28-2	43 B	AE 275 B	Fe 430 B	AE 225-B	14 12-00	Fe 430-B	St 430 B	NS 12 142
S275J0	1.0143	Fe 430 C	St 44-3 U	E 28-3	43 C	AE 275 C	Fe 430 C	AE 255-C		Fe 430-C	St 430 C	NS 12 143
											St 430 CE	
S275J2G3	1.0144	Fe 430 D1	St 44-3 N	E 28-4	43 D	AE 275 D	Fe 430 D	AE 255-D	14 14-00	Fe 430-D	St 430D	NS 12 143
S275J2G4	1.0145	Fe 430 D2							14 14-01			
S355JR	1.0045	Fe 510 B		E 36-2	50 B	AE 355 B	Fe 510 B	AE 355-B		Fe 510-B		
S355J0	1.0553	Fe 510 C	St 52-3 U	E 36-2	50 C	AE 355 C	Fe 510 C	AE 355-C		Fe 510-C	St 510 C	NS 12 153
S355J2G3	1.0570	Fe 510 D1	St 52-3 N		50 D	AE 355 D	Fe 510 D	AE 355-D		Fe 510-D	St 510 D	Ns 12 153
S355J2G4	1.0577	Fe 510 D2										
S355K2G3	1.0595	Fe 510 DD1		E 36-4	50 DD			AE 355-DD		Fe 510-DD		
S355K2G4	1.0596	Fe 510 DD2										
E295	1.0050	Fe 490-2	St 50-2	A 50-2		A 490	Fe 490	A 490-2	15 50-00 15 50-01	Fe 490-2	St 490	
E335	1.0060	Fe 590-2	St 60-2	A 60-2		A 590	Fe 590	A 590-2	16 50-00 16 50-01	Fe 590-2	St 590	
E360	1.0070	Fe 690-2	St 70-2	A 70-2		A 690	Fe 690	A 690-2	16 55-00 16 55-01	Fe 690-2	St 690	

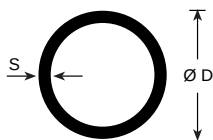
COMPARAZIONI QUALITÀ ACCIAIO SECONDO LE VARIE NORMATIVE

Laminati a caldo per uso generale

C.E.E.	ITALIA	FRANCIA	GERMANIA	U.S.A.	REGNO UNITO
Euronorm	UNI	AFNOR	DIN	ASTM	BS
29	7070	35501	17100		4360
Fe 310	Fe 320	A 33	St 33	—	—
—	Fe 330 B	A 34-2	—	A 283 gr B	—
Fe 360 B	Fe 360 B	E 24-2	St 37-2	A 283 gr D	40 B
Fe 360 C	Fe 360 C	E 24-3	St 37-3 U	A 284 gr D	40 C
Fe 360 D	Fe 360 D	E 24-4	St 37-3 N	—	40 D
Fe 430 B	Fe 430 B	E 28-2	St 44-2	A 570 gr 40	43 B
FE 430 C	Fe 430 C	E 28-3	St 44-3 U	A 573 gr 70	43 C
Fe 430 D	FE 430 D	E 28-4	St 44-3 N	—	43 D
Fe 510 B	Fe 510 B	E 36-2	St 52-2	A 440	50 B
Fe 510 C	Fe 510 C	E 36-3	St 52-3 U	A 441	50 C
Fe 510 D	Fe 510 D	E 36-4	St 52-3 N	—	50 D
Fe 490-2	Fe 490	A 50-3	St 50-2	—	—
Fe 590-2	Fe 590	A 60-2	St 60-2	—	—
Fe 690-2	Fe 690	A 70-2	St 70-2	—	—

Composizione chimica all'analisi sul prodotto									
Designazione		Tipo di	Sottogruppo	C	Si	Mn	P	S	N
Secondo	Secondo	diossidazione		max.	max.	max.	max.	max.	max.
EN 10027.1	EN 10027.2			sp. <=					
CR 10260				40 mm.					
S 235JRH	1.0039	FF	QS	0.17	-	1.40	0.045	0.045	0.009
S275JOH	1.0149	FF	QS	0.20	-	1.50	0.040	0.040	0.009
S275J2H	1.0138	FF	QS	0.20	-	1.50	0.035	0.035	-
S355JOH	1.0547	FF	QS	0.22	0.55	1.60	0.040	0.040	0.009
S355J2H	1.0576	FF	QS	0.22	0.55	1.60	0.035	0.035	-

Caratteristiche meccaniche per prodotti in acciaio da costruzione							
Designazione		Carico di	Resistenza a trazione		Allungamento	Resilienza	
Secondo	Secondo	snervamento	N/ mm. ²		%		
EN 10027.1	EN 10027.2	minimo	Sp. nom. in mm.				
CR 10260		N/ mm. ²				°C	J
		<=16	<=3	<=3 <=40			
S235JRH	1.0039	235	360+510	340+470	24	20	27
S275JOH	1.0149	275	430+580	410+560	20	0	27
S275J2H	1.0138					-20	27
S355JOH	1.0547	355	510+680	490+630	20	0	27
S355J2H	1.0576					-20	27

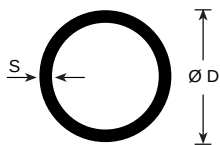


TUBI SALDATI TONDI

da nastro laminato a caldo

UNI 7811

Ø D	S	1,5	2	2,5	3	4	5	6	7	8	9	10
12		0,39										
14		0,46										
16		0,54	0,69									
18		0,61	0,79									
19		0,65	0,84									
20		0,68	0,89									
22		0,76	0,99									
25		0,87	1,13	1,39	1,63							
28		0,98	1,28	1,57	1,85							
30		1,05	1,38	1,70	2,00							
32		1,13	1,48	1,82	2,15							
35		1,24	1,63	2,00	2,37							
38		1,35	1,78	2,19	2,59	3,35						
40		1,42	1,87	2,31	2,74	3,55						
42		1,49	1,97	2,43	2,88	3,75						
45		1,61	2,12	2,62	3,11	4,04						
48		1,72	2,27	2,80	3,33	4,34	5,34					
50		1,79	2,37	2,93	3,48	4,54						
52		1,87	2,47	3,05	3,63	4,74						
55		1,98	2,61	3,24	3,85	5,03						
57		2,05	2,71	3,36	4,00	5,23						
60		2,16	2,86	3,56	4,21	5,52	6,78					
62		2,24	2,96	3,67	4,37	5,72	7,03					
63		2,27	3,01	3,73	4,44	5,82	7,17					
65		2,35	3,11	3,85	4,59	6,02	7,40					
70		2,53	3,35	4,16	4,96	6,51	8,01					
76		2,76	3,65	4,54	5,41	7,11	8,77	10,37				
80		2,90	3,85	4,78	5,70	7,50	9,25	10,95				
83		3,01	4,00	4,96	5,92	7,80	9,62	11,40				
89		3,23	4,29	5,33	6,36	8,38	10,35	12,27	14,14	15,96		
96			4,64	5,76	6,88	9,08	11,22	13,32	15,36			
102			4,93	6,13	7,32	9,67	11,96	14,21	16,40	18,47		
108			5,23	6,50	7,77	10,26	12,70	15,09	17,44			
114			5,52	6,87	8,21	10,90	13,44	15,99	18,48	20,97	23,37	25,72
121			5,87	7,31	8,73	11,45	14,31	17,02	19,69			
127			6,17	7,68	9,17	12,13	15,04	17,90	20,72	23,48	26,19	28,85
133				8,05	9,62	12,73	15,78	18,83	21,76			
139				8,42	10,06	13,32	16,53	19,69	22,80	25,98	29,01	31,99
152				9,22	11,05	14,64	18,18	21,66	25,10	28,49	31,83	35,12
159					11,54	15,69	18,99	22,64	26,24	29,79	33,29	36,75
168,3				10,23	12,23	16,21	20,14	24,02	27,85	31,63	35,36	39,04
177,8					12,93	17,14	21,31	25,42	29,49	35,50	37,47	41,38
193,7					14,11	18,71	23,27	27,77	32,23	36,64	40,99	45,30
219,1					15,99	21,22	26,40	31,53	36,61	41,65	46,63	51,57
244,5						23,72	29,53	35,29	41,00	46,66	52,27	57,83
273,0						26,54	33,05	39,51	45,92	52,28	58,60	64,86
323,9						31,56	39,32	47,04	54,71	62,32	69,89	77,41
339,7							41,27	49,38	57,43	65,44	73,40	81,31
355,6							43,23	51,73	60,18	68,58	76,93	85,23
406,4							49,50	59,25	68,95	78,60	88,20	97,76
457,2								66,76	77,72	88,62	99,48	110,29
508,0								74,28	86,49	98,65	110,75	122,81



TUBI SALDATI PER CARPENTERIA

DN	Ø D	S *	kg/m
3/8"	16,75	1,8	0,66
1/2"	21,25	2,2	1,03
3/4"	26,75	2,5	1,50
1"	33,5	2,65	2,02
1 1/4"	42,4	3	2,91
1 1/2"	48,3	3	3,35
2"	60,3	3	4,24
2 1/2"	76,1	3	5,41
3"	88,9	3	6,36
3 1/2"	101,6	3	7,29
4"	114,3	3	8,23
4 1/2"	127	3,7	11,26
5"	139,7	3,7	12,41
5 1/2"	152	4	14,61
6"	168	4	16,18
7 1/2"	193,7	4	18,65
8"	219	5	26,40

* spessore per impieghi più correnti.
I tubi possono tuttavia essere forniti anche
con spessore diverso.

TUBI QUADRI DA NASTRO

	Spessore mm.									
	1	1,2	1,5	2	3	4	5	6	7	
	Peso kg/ml.									
10 X 10	0,30	0,35	0,44							
12 X 12	0,35	0,41	0,50							
14 X 14	0,41	0,48	0,59	0,75						
15 X 15	0,44	0,52	0,64	0,82						
16 X 16	0,47	0,56	0,68	0,88						
18 X 18	0,53	0,63	0,78	1,00						
20 X 20	0,60	0,71	0,87	1,13	1,60					
22 X 22	0,66	0,78	0,97	1,26	1,79					
25 X 25	0,75	0,90	1,11	1,44	2,07					
30 X 30	0,91	1,08	1,34	1,76	2,54					
32 X 32	0,97	1,16	1,44	1,98	2,73					
34 X 34	1,03	1,24	1,53	2,01	2,92					
35 X 35	1,07	1,27	1,58	2,07	3,01					
40 X 40		1,46	1,81	2,39	3,48	4,63				
45 X 45		1,65	2,05	2,70	3,96					
50 X 50			2,28	3,01	4,43	5,77				
55 X 55			2,52	3,33	4,90	6,40	8,01			
60 X 60			2,75	3,64	5,37	7,03	8,63			
65 X 65			2,99	3,95	5,84	7,66	9,42			
70 X 70			3,23	4,27	6,31	8,29	10,20	12,05		
80 X 80				4,90	7,25	9,55	11,77	13,84		
90 X 90				5,53	8,19	10,80	13,34	15,82		
100 X 100				6,15	9,14	12,06	14,91	17,70	19,45	
110 X 110					9,90	12,99	15,81	16,74	21,32	

TUBI QUADRI DA NASTRO

TUBOLARI

	Spessore mm.									
	3	4	5	6	7	8	9	10	12	14
	Peso kg/ml.									
120 X 120	11,00	14,57	18,05	21,47	23,85					
130 X 130	11,90	15,82	19,62	23,36						
135 X 135	12,4	16,40	20,40	24,30	28,10					
140 X 140	13,10	17,00	21,20	25,20	29,20	32,40	35,30	39,60	48,10	53,60
150 X 150	14,00	17,90	22,10	26,20	30,80	34,10	37,50	41,50	50,80	56,50
175 X 175		21,40	26,40	31,80	37,20	41,50				
180 X 180		21,50	26,80	31,90	37,50	41,60	45,70	50,90	62,60	69,90
200 X 200		24,29	30,00	35,60	42,00	46,60	51,30	57,20	67,30	78,80
220 X 220		26,81	33,25	41,50	46,40	52,00	56,80	63,90	78,30	87,70
250 X 250				45,10		59,20		72,90	86,10	
260 X 260		31,83	39,53	47,12	55,60	62,00	67,80	76,50	94,00	106,00
300 X 300				54,50	63,20	71,80		88,60	105,00	
325 X 325			49,74	59,37	68,91	78,34	87,66	96,88		

TUBI RETTANGOLARI DA NASTRO

	Spessore mm.									
	1	1,2	1,5	2	3					
	Peso kg/ml.									
15 X 10	0,36	0,43	0,52							
20 X 10	0,44	0,52	0,64	0,82						
20 X 15	0,52	0,61	0,75	0,97						
25 X 10	0,52	0,61	0,75	0,97						
25 X 15	0,60	0,71	0,87	1,13						
30 X 10	0,60	0,71	0,87	1,13						
30 X 15	0,67	0,80	0,99	1,29	1,83					
30 X 20	0,75	0,90	1,11	1,44	2,07					
30 X 25	0,83	0,99	1,22	1,60	2,31					
35 X 10	0,67	0,80	0,99	1,29						
35 X 15	0,75	0,90	1,11	1,44	2,07					
35 X 20	0,83	0,99	1,22	1,60	2,31					
35 X 35	0,91	1,08	1,34	1,76	2,54					
35 X 30	0,99	1,18	1,46	1,91	2,78					
40 X 10	0,75	0,90	1,11	1,44						
40 X 15	0,85	0,99	1,22	1,60	2,31					
40 X 20	0,91	1,08	1,34	1,76	2,54					
40 X 25		1,18	1,46	1,91	2,78					
40 X 30		1,27	1,58	2,07	3,01					
40 X 35		1,37	1,69	2,23	3,25					

TUBI RETTANGOLARI DA NASTRO

TUBOLARI

	Spessore mm.									
	1	1,2	1,5	2	3	4				
	Peso kg/ml.									
45 X 10		0,99	1,22	1,60	2,31					
45 X 15		1,08	1,34	1,76	2,54					
45 X 20		1,18	1,46	1,91	2,78					
45 X 25		1,27	1,58	2,07	3,01					
45 X 30		1,37	1,69	2,23	3,25					
45 X 35		1,46	1,81	2,39	3,48					
50 X 10		1,08	1,34	1,76						
50 X 15		1,18	1,46	1,92	2,78					
50 X 20		1,27	1,58	2,07	3,01					
50 X 25		1,37	1,69	2,23	3,25					
50 X 30		1,46	1,81	2,39	3,48	4,70				
50 X 35			1,96	2,54	3,95					
50 X 40		1,65	2,05	2,70	3,95					
50 X 45			2,17	2,86	4,19					
55 X 10		1,18	1,46	1,91	2,78					
55 X 15		1,27	1,58	2,07	3,01					
55 X 20		1,37	1,69	2,23	3,25					
55 X 25		1,46	1,81	2,39	3,48					
55 X 35		1,65	2,05	2,70	3,95					
55 X 40			2,17	2,86	4,19					

TUBI RETTANGOLARI DA NASTRO

	Spessore mm.									
	1	1,2	1,5	2	3	4	5			
	Peso kg/ml.									
55 X 45		1,84	2,28	3,01	4,43					
60 X 10		1,27	1,58	2,07						
60 X 15		1,37	1,69	2,23	3,25					
60 X 20		1,46	1,81	2,39	3,48					
60 X 25			1,97	2,60	3,82					
60 X 30		1,65	2,05	2,70	3,95	5,19				
60 X 35			2,17	2,86	4,19					
60 X 40			2,28	3,01	4,43	5,77	7,00			
60 X 50			2,52	3,33	4,90					
65 X 10			1,69	2,23	3,25					
65 X 25			2,05	2,70	3,95					
65 X 30			2,17	2,86	4,19					
65 X 35			2,28	3,01	4,43					
70 X 20			2,05	2,70	3,95					
70 X 25			2,17	2,86	4,19					
70 X 30			2,28	3,01	4,43	5,77				
70 X 35			2,40	3,20	4,70					
70 X 40			2,52	3,33	4,90	6,41	7,18			
70 X 50			2,76	3,64	5,37	7,03	8,63			
80 X 15			2,15	2,84						

TUBI RETTANGOLARI DA NASTRO

TUBOLARI

	Spessore mm.									
	1,5	2	3	4	5	6	7	8		
	Peso kg/ml.									
80 X 20	2,28	3,01	4,43							
80 X 25	2,40	3,20	4,70							
80 X 30	2,52	3,33	4,90	6,41						
80 X 40	2,76	3,64	5,37	7,03	8,63	10,10	11,60	13,00		
80 X 50	3,00	3,95	5,84	7,66	9,40	11,10				
80 X 60	3,23	4,27	6,31	8,29	10,20	12,00	13,80	15,50		
90 X 20		3,33	4,92							
90 X 30	2,76	3,64	5,37	7,03						
90 X 40		3,95	5,84	7,66	9,42					
90 X 50		4,27	6,31	8,29	10,20	12,00	13,80	15,50		
90 X 70		4,93	7,32	9,67	11,96	14,21				
100 X 20	2,76	3,64	5,37							
100 X 30	3,00	3,95	5,84	7,66						
100 X 40	3,23	4,27	6,31	8,29	10,20	12,00	13,80	15,50		
100 X 50		4,58	6,78	8,92	10,99	13,00	14,90	16,80		
100 X 60		4,90	7,25	9,55	11,77	13,84	16,00	18,00		
100 X 70			7,54	9,85	12,05	14,15				
100 X 80			8,01	10,80	13,30	15,80	18,20	20,40		
110 X 50		4,90	7,25	9,55	11,77	13,21				
120 X 30		4,58	6,78	8,92						
120 X 40		4,90	7,25	9,55	11,77	13,90	16,00			
120 X 50		5,26	7,77	10,26	12,70	15,10				

TUBI RETTANGOLARI DA NASTRO

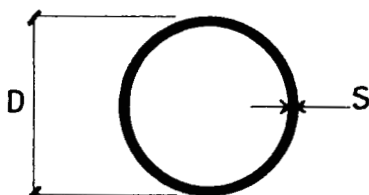
	Spessore mm.									
	1,5	2	3	4	5	6	7	8	9	
	Peso kg/ml.									
120 X 60		5,53	8,19	10,80	13,34	15,80	18,20	20,40	22,80	
120 X 80		6,15	9,14	12,06	14,91	17,70	20,40	23,10		
120 X 100			10,00	13,30	16,40	19,50	22,60			
130 X 50		5,53	8,19	10,80	13,34					
130 X 60		5,84	8,67	11,43	14,13					
140 X 40				10,80	13,34	15,80	18,20	20,40	22,80	
140 X 50		5,84	8,67	11,43	14,13					
140 X 60		6,15	9,14	12,06	14,91					
140 X 70			9,60	12,60	15,70	18,60	21,50			
140 X 80			10,00	13,30	16,40	19,50	22,60			
150 X 30			8,25	10,84						
150 X 40			8,67	11,43						
150 X 50			9,14	12,06	14,91	17,70	20,40	23,10		
150 X 60			9,52							
150 X 100			11,40	15,20	18,40	22,40	25,90			
160 X 80			11,02	14,57	18,05	21,47	24,80			
160 X 90			11,40	15,20	18,40	22,40	25,90			
180 X 60			10,84	14,25	17,55	20,75	23,85			
180 X 80			11,90	15,80	19,60	23,30	27,00			

TUBI RETTANGOLARI DA NASTRO

TUBOLARI

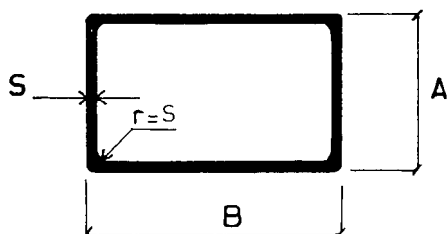
	Spessore mm.									
	3	4	5	6	7	8	9	10	12	14
	Peso kg/ml.									
200 X 100	13,85	18,34	22,76	27,12	33,10	34,10	40,20	41,50	54,70	77,60
200 X 150		21,15	26,10	30,90		40,40		49,30		
220 X 80		17,90	22,10	26,20		34,10		41,50		
235 X 65	13,85	18,34								
250 X 100	16,02	21,16	26,19	30,90	35,94	40,40		49,30		
250 X 150		24,29	30,00	35,60	42,00	46,60	51,30	57,20	67,30	78,80
300 X 100		24,29	30,00	35,60		46,60		57,20		
300 X 150		27,44	34,04	40,53	46,93	53,22	59,40	65,48		
300 X 200				45,10		59,20		72,90	86,10	
350 X 250				54,50		71,80		88,60	105,00	
400 X 200				54,50		71,80		88,60	105,00	
400 X 250			49,74	59,37	86,91	78,34	87,66	96,88		

**TUBI MOBILIO
DA NASTRO LUCIDO
LAMINATO A FREDDO**

[illegible]

TUBI A FREDDO

TUBI RETTANGOLARI
DA NASTRO LUCIDO
LAMINATO A FREDDO



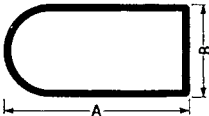
Dimensioni esterne B x A mm.	Spessore mm.									
	0,6	0,7	0,8	0,9	1	1,2	1,5	2	2,5	3
	Peso kg/ml.									
15 x 10			0,29	0,33	0,36	0,43	0,52			
20 x 10			0,36	0,40	0,44	0,52	0,64			
20 x 15			0,42	0,45	0,52	0,61	0,76			
25 x 10			0,42	0,45	0,52	0,61	0,75			
25 x 15			0,48	0,54	0,60	0,71	0,87			
25 x 20			0,55	0,61	0,67	0,80	0,99			
30 x 10			0,48	0,54	0,60	0,71	0,87			
30 x 15			0,55	0,61	0,67	0,80	0,99			
30 x 20					0,75	0,90	1,11	1,48		
30 x 25					0,83	0,99	1,22	1,60		
35 x 10					0,67	0,80	0,99			
35 x 15					0,75	0,90	1,11	1,48		
35 x 20					0,83	0,99	1,22	1,65		
40 x 10					0,75	0,90	1,11	1,50		
40 x 15					0,83	0,99	1,22	1,65		
40 x 20					0,91	1,08	1,34	1,76		
40 x 25					0,99	1,20	1,50	1,96		
40 x 30					1,07	1,27	1,58	2,07		
40 x 35					1,15	1,37	1,69	2,26		
45 x 10					0,83	0,99	1,22	1,60		
45 x 15					0,91	1,08	1,34	1,76		
45 x 20					0,99	1,18	1,46	1,91		
45 x 25					1,07	1,27	1,58	2,07		
45 x 30					1,15	1,37	1,69	2,26		
50 x 10					0,91	1,08	1,34	1,76		
50 x 15					0,99	1,20	1,50	1,96		

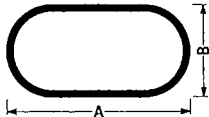
TUBOLARI

A diagram of a rectangular cross-section. The outer dimensions are labeled A (height) and B (width). The inner dimensions are labeled S (height) and $r=S$ (width). The diagram shows a thick black border of width S around a central white rectangle of width $r=S$.

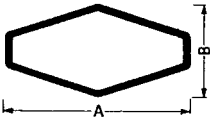
[illegible]

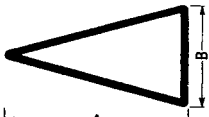
tubi a sezione semplice

SEMIOVALE					Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.
					30 x 15	1,5	0,97	60 x 30	1,5	1,97
						2	1,27		2	2,81
					40 x 20	1,5	1,23		2,5	3,25
						2	1,62		3	3,87
			50 x 25	1,5	1,60	80 x 40	1,5	2,80		
				2	2,11		2	3,45		
				2,5	2,60		2,5	4,25		
				3	3,09		3	5,07		
			02 . 0 . . . 0							

OVALE		Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	
		30 x 15	1,5	0,86	60 x 30	1,5	1,87	120 x 40	1,5	3,31	
			2	1,13		2	2,47		2	4,39	
		40 x 20	1,5	1,12		2,5	3,05		2,5	5,46	
			2	1,47		3	3,83		3	6,51	
		50 x 25	1,5	1,50	80 x 45	1,5	2,41				
			2	1,95		2	3,18				
			2,5	2,42		2,5	3,95				
			3	2,86		3	4,70				
			03 . 0 . . . 0								

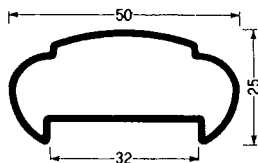
ELLITTICO		Dimensioni A x B mm.	Spess. mm.	Kg/ml. Peso	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	
		30 x 15	1,5	0,83	80 x 40	1,5	2,30	
			2	1,08		2	3,06	
		40 x 20	1,5	1,09		2,5	3,80	
			2	1,42		3	4,54	
		60 x 30	1,5	1,72				
			2	2,27				
			2,5	2,81				
			3	3,33				
			04 . 0 . . . 0					

ROMBOIDE		Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	
		40 x 20	1,5	1,23	40 x 25	1,5	1,26	
			2	1,62		2	1,87	
			2,5	2,00		2,5	2,06	
			3	2,35		3	2,43	
		60 x 30	1,5	1,71				
			2	2,25				
			2,5	2,79				
			3	3,31				
			05 . 0 . . . 0					

TRIANGOLO ISOSCELE		Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	Dimensioni A x B mm.	Spess. mm.	Peso Kg/ml.	
		30 x 15	1,5	0,86	70 x 40	1,5	2,06	
			2	1,13		2	2,76	
		40 x 22	1,5	1,24		2,5	3,42	
			2	1,63		3	4,07	
		65 x 30	1,5	1,86				
			2	2,45				
			2,5	3,03				
			3	3,60				
			06 . 0 . . . 0					

tubolari mancorrenti serie **MT**

MT9

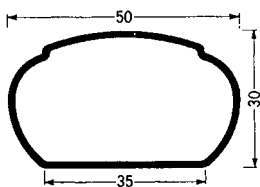


15/10 = kg/ml 1,60

20/10 = kg/ml 2,11

08.009.000 . . .

MT5



15/10 = kg/ml 1,65

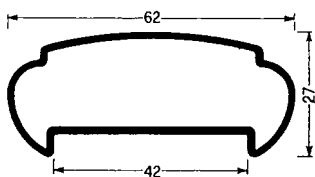
20/10 = kg/ml 2,20

08.005.000 . . .

25/10 = kg/ml 2,70

30/10 = kg/ml 3,20

MT8

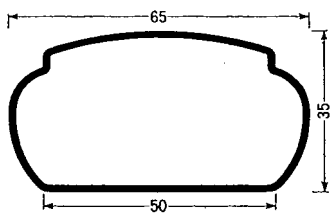


15/10 = kg/ml 1,87

20/10 = kg/ml 2,47

08.008.000 . . .

MT6



15/10 = kg/ml 2,15

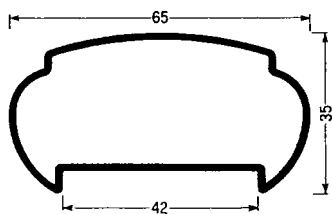
20/10 = kg/ml 2,85

08.006.000 . . .

25/10 = kg/ml 3,52

30/10 = kg/ml 4,20

MT7

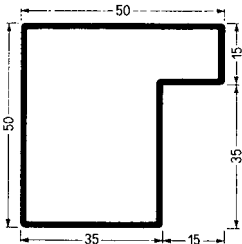
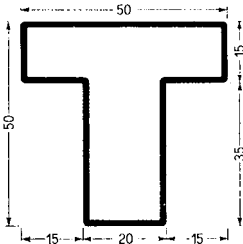
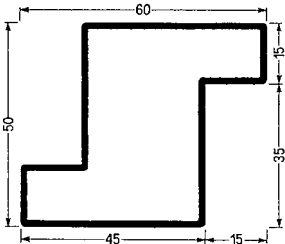
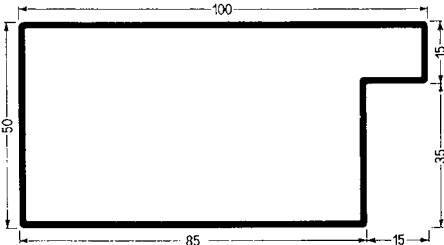


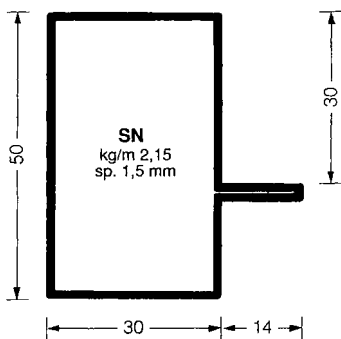
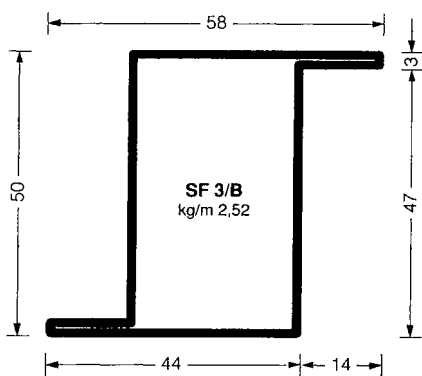
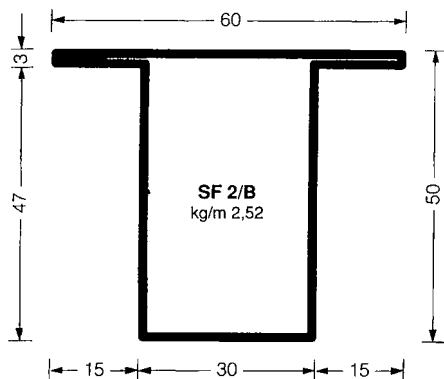
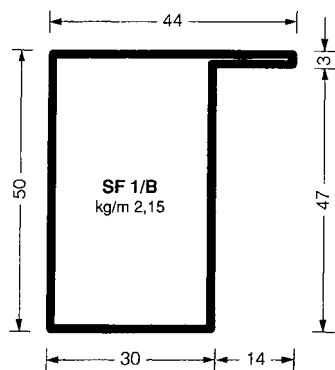
15/10 = kg/ml 2,15

20/10 = kg/ml 2,85

08.007.000 . . .

tubolari per serramenti serie 16

16 A			16 B		
					
15/10 = kg/ml 2,30	20/10 = kg/ml 3,08	21.101.000 . . .	15/10 = kg/ml 2,30	20/10 = kg/ml 3,08	21.102.000 . . .
			16 Z		
					
			15/10 = kg/ml 2,55	20/10 = kg/ml 3,39	21.105.000 . . .
			16 D		
					
			Spessore 20/10 = kg/ml 4,65		21.108.000.20



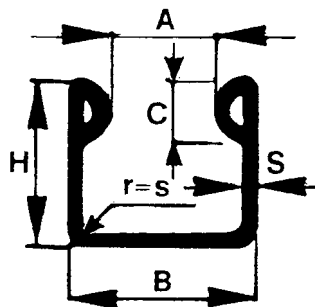
tubolari per serramenti serie 14 e 15

fermavetro ad U e fermavetro tubolari serie TR

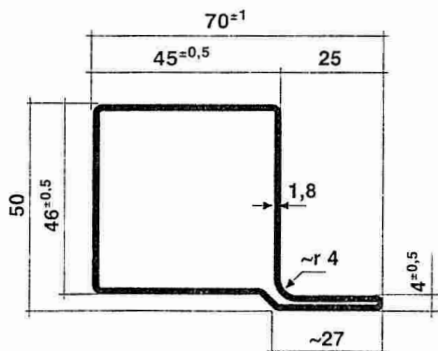
	14 A - I profili della serie 14 e 15 sono i più vantaggiosi dal lato pratico. Infatti sono i soli che permettano tutte le combinazioni praticamente necessarie per la costruzione di serramenti senza dover ricorrere a svariati tipi di tubolari. - Solamente con il 15T e il 15Z, in pratica, si può ottenere qualsiasi tipo di finestra.	
Spessore 15/10 = kg/ml 1,79 21.191.000.15		Spessore 15/10 = kg/ml 2,45 21.195.000.15
	15 A - Questa serie di profilati consente il montaggio del doppio vetro mediante l'interposizione di un distanziale fra i due vetri, il distanziale può essere rappresentato da un tubo rettangolare 20 x 15 x 1,5. - I tubolari 14 A e 15 A si prestano ottimamente alla combinazione con regolini fermavetro RL 4 ed RL 5. - In unione alla serie 8 e 10 si presta ottimamente alla costruzione di finestre doppie. - Come regolino si consiglia l'uso del TR6.	
Spessore 15/10 = kg/ml 2,04 21.192.000.15		Spessore 15/10 = kg/ml 2,45 21.194.000.15

FERMAVETRO A SCATTO

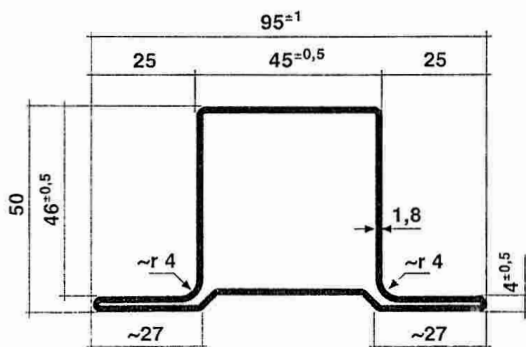
DIMENSIONI				SPESSORE in mm 0,7
B	H	C	A	PESO kg/ml
10	10	5	4	0,20
12	12	5	6	0,23



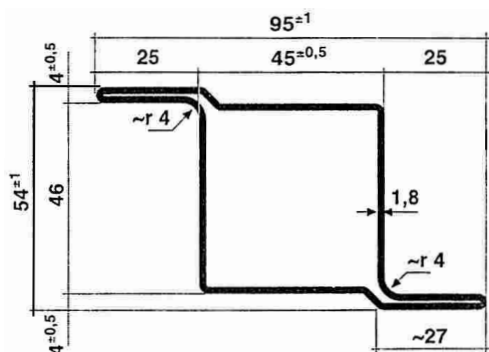
TS 20 L (Kg ml 3,29)



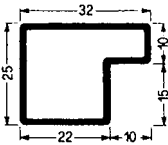
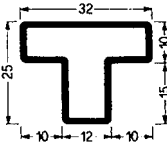
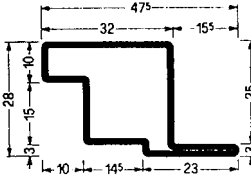
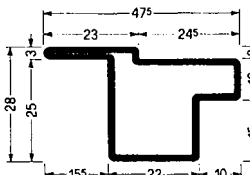
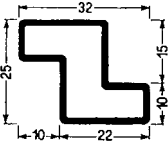
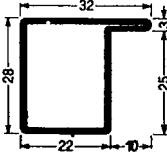
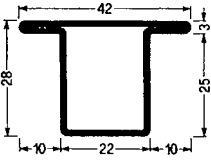
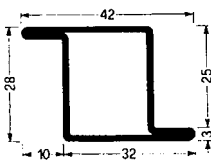
TS 20 T (Kg ml 4,06)



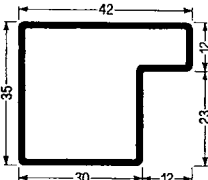
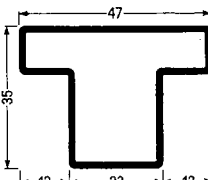
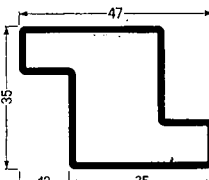
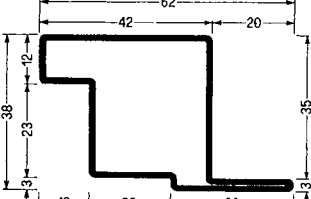
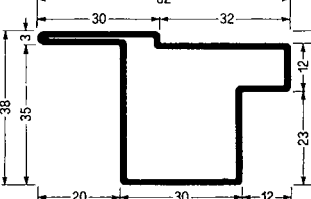
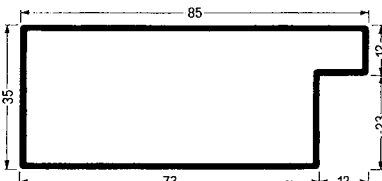
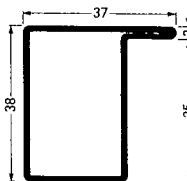
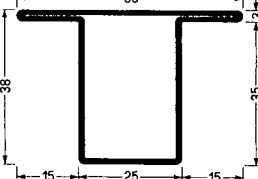
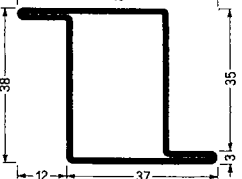
TS 20 Z (Kg ml 4,06)



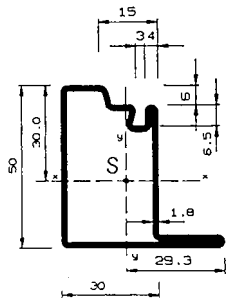
tubolari per serramenti serie 10 ed 11

		10 A	10 B		
					
Spessore 15/10 = kg/ml 1,30		21.161.000.15	Spessore 15/10 = kg/ml 1,30		21.162.000.15
		10 N	10 T		
					
Spessore 15/10 = kg/ml 1,73		21.163.000.15	Spessore 15/10 = kg/ml 1,73		21.164.000.15
		10 Z	11 A		
					
Spessore 15/10 = kg/ml 1,30		21.165.000.15	Spessore 15/10 = kg/ml 1,34		21.112.000.15
		11 B	11 C		
					
Spessore 15/10 = kg/ml 1,57		21.114.000.15	Spessore 15/10 = kg/ml 1,57		21.116.000.15

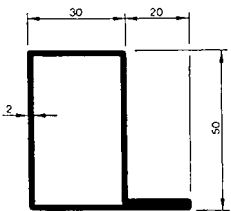
tubolari per serramenti serie 2 ed 1

2A		2B		2Z	
					
Spessore 15/10 = kg/ml 1,76 21.151.000.15		Spessore 15/10 = kg/ml 1,88 21.152.000.15		Spessore 15/10 = kg/ml 1,88 21.155.000.15	
2N		2T			
					
Spessore 15/10 = kg/ml 2,30 21.153.000.15		Spessore 15/10 = kg/ml 2,30 21.154.000.15		Spessore 15/10 = kg/ml 2,30 21.155.000.15	
2D		1A			
					
Spessore 15/10 = kg/ml 2,78 21.158.000.15		Spessore 20/10 = kg/ml 3,66 21.158.000.15		Spessore 15/10 = kg/ml 1,72 21.111.000.15	
1B		1C			
					
Spessore 15/10 = kg/ml 2,10 21.113.000.15		Spessore 15/10 = kg/ml 1,99 21.115.000.15		Spessore 15/10 = kg/ml 1,99 21.115.000.15	

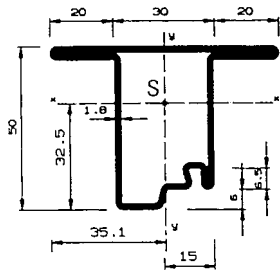
PT 5030 LDN



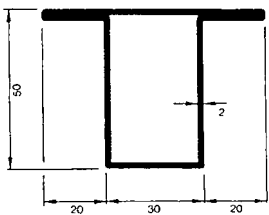
PT 5030 L



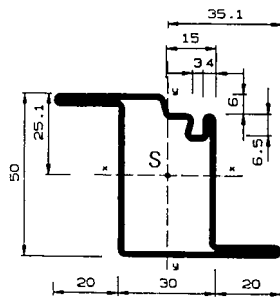
PT 5030 TDN



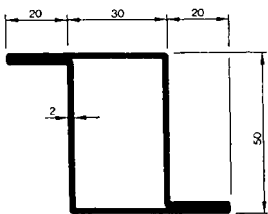
PT 5030 T



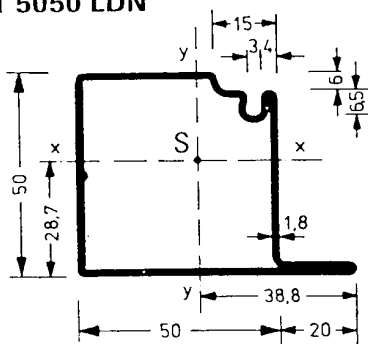
PT 5030 ZDN



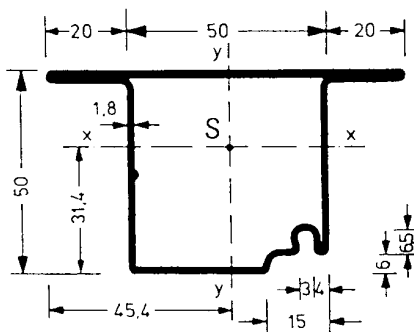
PT 5030 Z



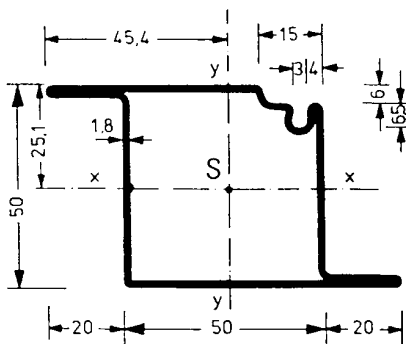
PT 5050 LDN



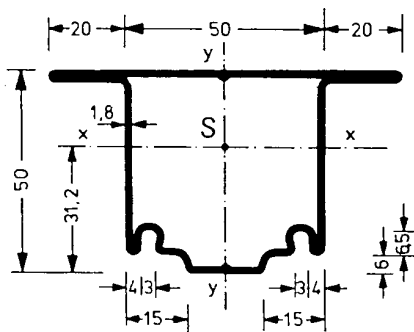
PT 5050 TDN



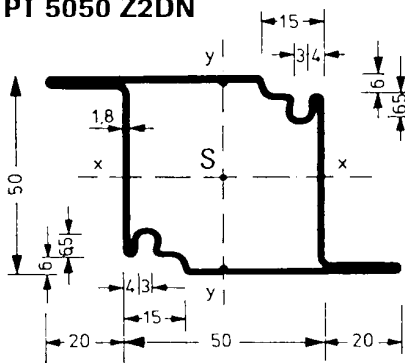
PT 5050 ZDN



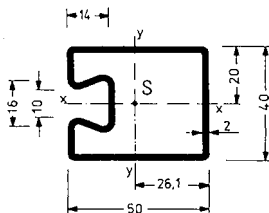
PT 5050 T2DN



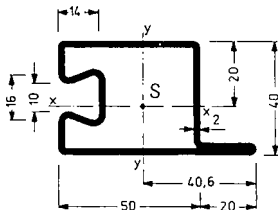
PT 5050 Z2DN



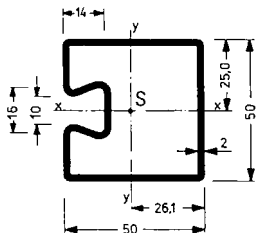
PT 4050 NR



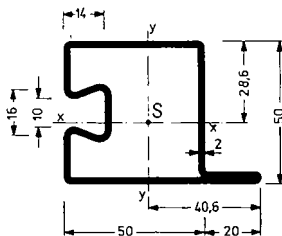
PT 4050 LNR



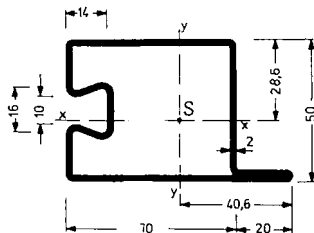
PT 5050 NR



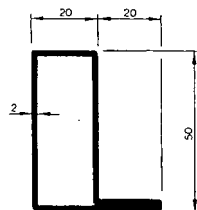
PT 5050 LNR



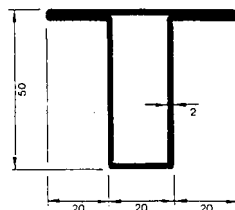
PT 5070 LNR



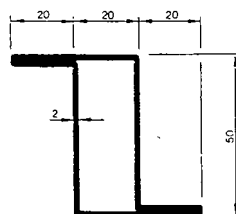
PT 5020 L



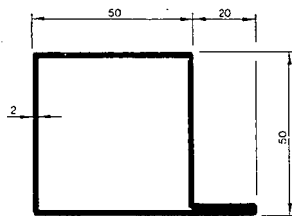
PT 5020 T



PT 5020 Z



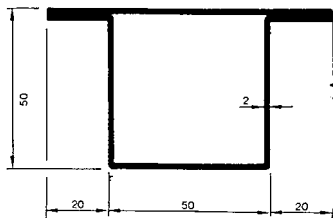
PT 5050 L



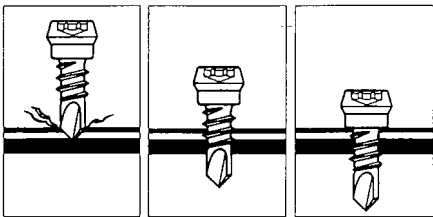
Accessori

SERRAMENTI

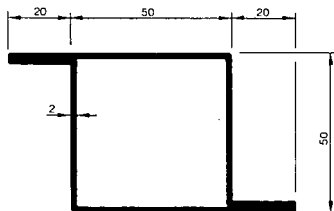
PT 5050 T



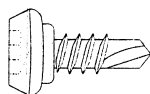
Viti autoforanti per fermavetro
KS utilizzabili su uno spessore
di max 2 mm.



PT 5050 Z

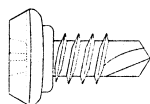


VITI, CLIPS E UTENSILI



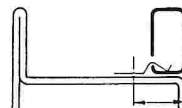
KS

RIVETTI KN acciaio zincati



KS2

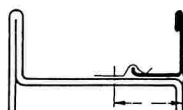
PT40500 clips con graffa



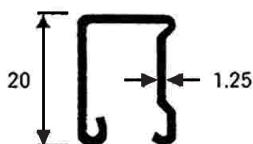
FERMAVETRI E FERMAPANNELLI

Fermavetri in acciaio zincato

OG 3

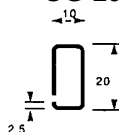


15

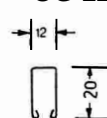


GL 15

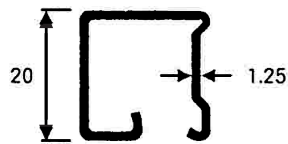
OG 10



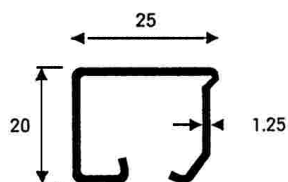
OG 12



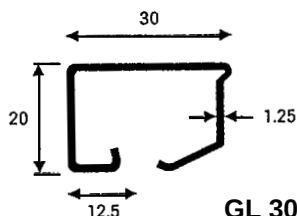
20



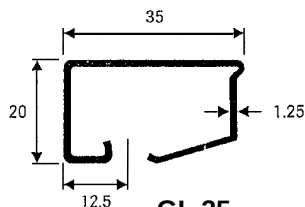
GL 20



GL 25



GL 30



GL 35

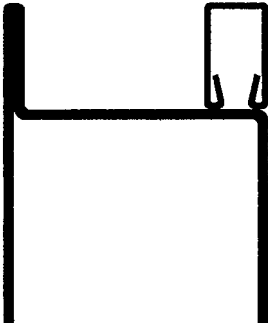
PALLADIO 20 / 10

esempio d'impiego

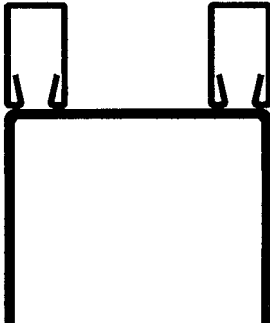
FERMAVETRI

SERRAMENTI

GL 35 OG 35	
11	35
GL 30 OG 30	
16	30
GL 25 OG 25	
21	25
GL 20 OG 20	
26	20
GL 15 OG 15	
31	15
OG 12	
34	12

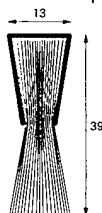


GL 20 OG 20		GL 25 OG 25	
20	5	25	
GL 20 OG 20		GL 20 OG 20	
20	10	20	
GL 15 OG 15		GL 20 OG 20	
15	15	20	
GL 15 OG 15		GL 15 OG 15	
15	20	15	
OG 12		GL 15 OG 15	
12	23	15	
OG 12		OG 12	
12	26	12	

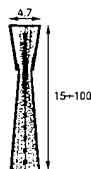


Spazzole

13x39 Spazzola

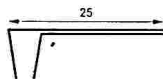


4.7x15+100 Spazzola

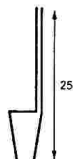


**Supporti in alluminio
per spazzola con
piedino 4.7**

AD ANGOLO



DIRITTO



Guarnizioni

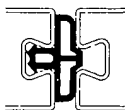
D30 Guarnizione
per battuta porte al silicone



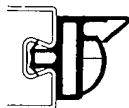
D40 Guarnizione
per battuta porte in EPDM



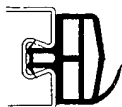
D50 Guarnizione
con luce netta tra
profili di 10mm in EPDM



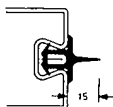
D60 Guarnizione
per portoni a libro in EPDM
con interasse 46mm



D60 alu Guarnizione
per portoni a libro EPDM
con interasse 50mm



D70 Guarnizione
battuta per portoni
in EPDM



BL70 Guarnizione
per tenuta laterale
portoni a libro e scorrevoli
in EPDM



BL100 Guarnizione
a chiusura laterale
in EPDM



OB40 Guarnizione in EPDM
per oblò inseribile su pannelli,
massimo spessore 40 mm.
Cava per inserimento
vetro 4+7



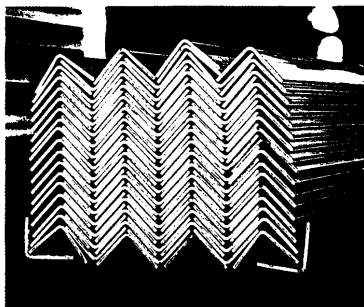
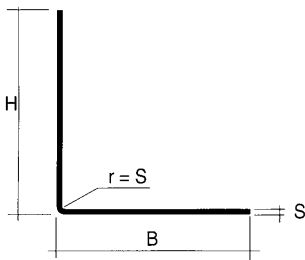
OB50 Guarnizione in EPDM
per oblò inseribile su pannelli,
massimo spessore 50 mm.
Cava per inserimento
vetro 8+10



SIG Sigillo per oblò
in EPDM



"ANGOLARE"



PRODUZIONE COMMERCIALE

COMMERCIAL PRODUCTION / HANDELSHERSTELLUNG / PRODUCTION COMMERCIALE

Dimensione Size Abmessung Dimension	Spessore / Thickness / Wandstärke / Épaisseur				
	1,5	2	2,5	3	4
B x H	Peso Kg/m - Weight Kg/m / Gewicht Kg/m - Poids Kg/m				
15 x 15	0,310	0,410			
20 x 20	0,430	0,560	0,720	0,840	
25 x 25	0,550	0,720	0,900	1,060	
30 x 30	0,670	0,880	1,100	1,250	
35 x 35	0,800	1,030	1,300	1,530	
40 x 40		1,200	1,450	1,750	2,300
50 x 50		1,510	1,870	2,200	2,900
60 x 60			2,270	2,700	3,500
70 x 70		2,120	2,630	3,130	4,150
80 x 80				3,650	4,760

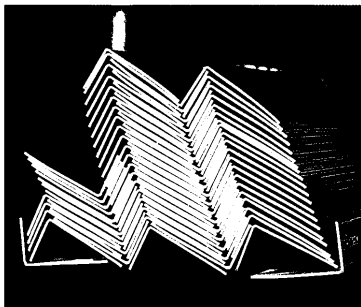
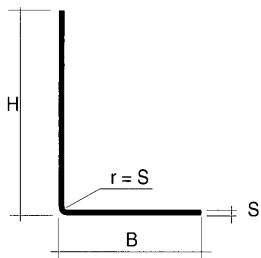
PRODUZIONE SPECIALE

SPECIAL PRODUCTION / SONDERHERSTELLUNG / PRODUCTION SPECIALE

B da mm 10 a mm 80
H da mm 10 a mm 80
S da mm 1 a mm 4

PROFIL APERTI
MONOROTAI

"ELLE"



PRODUZIONE COMMERCIALE

COMMERCIAL PRODUCTION / HANDELSHERSTELLUNG / PRODUCTION COMMERCIALE

Dimensione Size Abmessung Dimension	Spessore / Thickness / Wandstärke / Épaisseur				
	1,5	2	2,5	3	4

B x H

Peso Kg/m - Weight Kg/m / Gewicht Kg/m - Poids Kg/m

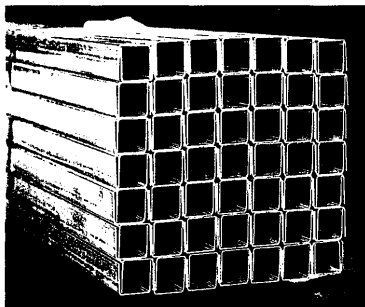
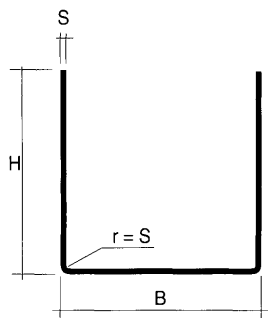
10 x 20	0,310	0,410			
12 x 25	0,420	0,550			
15 x 20	0,380	0,480			
15 x 30	0,510	0,660	0,830	0,990	
15 x 40	0,600	0,790	0,960	1,150	
20 x 30	0,550	0,720	0,900	1,060	
20 x 40	0,670	0,880	1,100	1,250	
30 x 40	0,800	1,030	1,300	1,530	
30 x 50		1,200	1,450	1,750	
30 x 60		1,460	1,720	2,040	
40 x 60		1,510	1,870	2,200	2,900
40 x 80				2,700	3,500

PRODUZIONE SPECIALE

SPECIAL PRODUCTION / SONDERHERSTELLUNG / PRODUCTION SPECIALE

B da mm 10 a mm 80
H da mm 10 a mm 80
S da mm 1 a mm 4

"U" A LATI UGUALI



PRODUZIONE COMMERCIALE

COMMERCIAL PRODUCTION / HANDLSHERSTELLUNG / PRODUCTION COMMERCIALE

Dimensione Size Abmessung Dimension	Spessore / Thickness / Wandstärke / Épaisseur				
	1,5	2	2,5	3	4
H x B x H	Peso Kg/m - Weight Kg/m / Gewicht Kg/m - Poids Kg/m				
10 x 10 x 10	0,290				
12 x 12 x 12	0,350				
15 x 15 x 15	0,470	0,590			
20 x 20 x 20	0,650	0,830			
25 x 25 x 25	0,830	1,070	1,300		
30 x 30 x 30	1,000	1,310	1,600	1,870	
35 x 35 x 35	1,190	1,550	1,900	2,230	
40 x 40 x 40	1,370	1,790	2,200	2,590	
45 x 45 x 45		2,070	2,500	2,950	
50 x 50 x 50		2,280	2,800	3,310	4,290
60 x 60 x 60		2,760	3,400	4	5,250
70 x 70 x 70				4	6,210
80 x 80 x 80				5,380	7,050

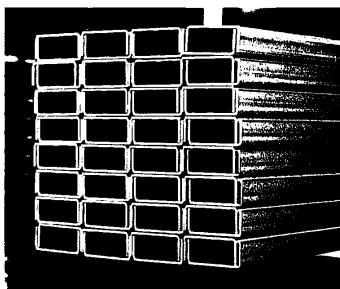
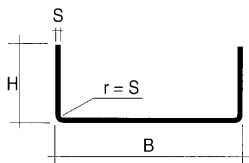
PRODUZIONE SPECIALE

SPECIAL PRODUCTION / SONDERHERSTELLUNG / PRODUCTION SPECIALE

B da mm 8 a mm 200
H da mm 10 a mm 80
S da mm 1 a mm 4

PROFILI APERTI
MONOROTAI

"U" AD ALI UGUALI



PRODUZIONE COMMERCIALE

COMMERCIAL PRODUCTION / HANDELSHERSTELLUNG / PRODUCTION COMMERCIALE

Dimensione Size Abmessung Dimension	Spessore / Thickness / Wandstärke / Épaisseur				
	1,5	2	2,5	3	4
H x B x H	Peso Kg/m - Weight Kg/m / Gewicht Kg/m - Poids Kg/m				
15 x 8 x 15	0,380				
20 x 10 x 20	0,528				
10 x 15 x 10	0,348				
10 x 20 x 10	0,408	0,512			
15 x 30 x 15	0,640	0,850			
20 x 30 x 20	0,770	1,220	1,430		
20 x 40 x 20	0,890	1,160	1,420	1,670	
30 x 40 x 30	1,120	1,470	1,780	2,080	
20 x 50 x 20	1,000	1,310	1,600	1,870	
25 x 50 x 25	1,120	1,470	1,780	2,080	2,690
30 x 50 x 30	1,250	1,630	2,000	2,350	3,000
40 x 50 x 40	1,460	1,920	2,350	2,760	3,600
30 x 60 x 30		1,790	2,200	2,590	3,390
40 x 60 x 40		2,080	2,550	3,040	3,970
30 x 70 x 30		1,920	2,350	2,760	3,600
35 x 70 x 35		2,080	2,550	3,040	3,970
40 x 80 x 40		2,430	3,000	3,550	4,600
50 x 100 x 50		3,070	3,800	4,510	5,890
60 x 120 x 60		3,710	4,600	5,380	7,050
60 x 140 x 60		4,060	5,000	5,950	7,800
60 x 160 x 60				6,300	8,290
65 x 160 x 65				6,550	8,610
80 x 180 x 80				7,790	10,300
80 x 200 x 80				8,200	10,810

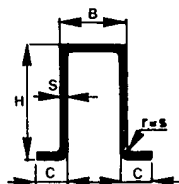
PRODUZIONE SPECIALE

SPECIAL PRODUCTION / SONDERHERSTELLUNG / PRODUCTION SPECIALE

B da mm 8 a mm 200

H da mm 10 a mm 80

S da mm 1 a mm 4



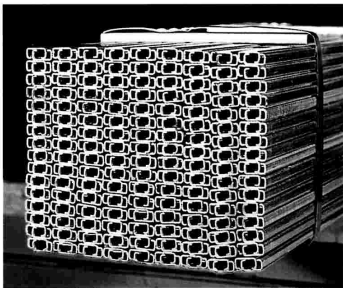
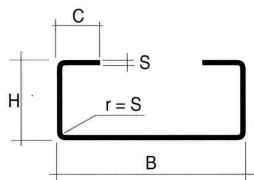
profili ad omega Ω

B	Dimensioni Sizes	C	Spessore in mm			Thickness in mm		
			1,5	2	2,5	3	3,5	4
	H			Peso kg/ml			Weight kg/lm	
20	20	15	0,92	1,16				
25	20	15	0,98	1,24				
50	20	15	1,27	1,63				
25	25	15	1,10	1,40				
30	25	15	1,15	1,47				
40	25	15	1,27	1,63				
50	25	10	1,27	1,63				
15	30	15	1,09	1,40				
20	30	15	1,15	1,48				
30	30	15	1,27	1,63				
50	30	15	1,51	1,95				
60	30	20	1,74	2,26				
20	35	30	1,63	2,10				
15	40	20	1,45	1,87				
25	40	15	1,45	1,87				
30	40	20	1,63	2,10				
40	40	20	1,74	2,26				
50	40	20	1,86	2,42				
30	45	15	1,63	2,10				
30	45	20	1,74	2,26				
50	45	15	1,86	2,42				
60	45	25	2,21	2,89				
25	50	15	1,68	2,18	2,65			
30	50	15	1,74	2,26	2,75			
30	50	20	1,86	2,42	2,94			
40	50	20	1,98	2,58	3,14			
45	50	20		2,65	3,24	3,79		
50	50	20	2,10	2,73	3,34			
25	60	20		2,65	3,24	3,79		
40	60	25		3,05	3,73	4,38		
45	60	25		3,12	3,83	4,50		
50	60	25		3,20	3,92	4,62		
50	70	25		3,51	4,31	5,08		
50	75	25		3,67	4,51	5,32		
60	75	25		3,83	4,71	5,56		
40	80	25		3,67	4,51	5,32		
40	90	25		3,99	4,91	5,79		
50	100	30		4,66	5,70	6,73		
60	100	30			5,39	6,97		
50	110	30			6,08	7,21		
50	120	30			6,47	7,67		
60	120	30		5,41	6,67	7,91		
80	120	40			7,45	8,85		
80	150	45				10,50	12,14	13,75

■ I pesi sono indicativi e possono variare secondo le tolleranze commerciali

PROFILI APERTI
MONOROTAI

"C" SIMMETRICI



PRODUZIONE COMMERCIALE

COMMERCIAL PRODUCTION / HANDELSHERSTELLUNG / PRODUCTION COMMERCIALE

Dimensione Size Abmessung Dimension	Spessore / Thickness / Wandstärke / Épaisseur					
	1	1,5	2	2,5	3	4

B x H x C Peso Kg/m - Weight Kg/m / Gewicht Kg/m - Poids Kg/m

20 x 10 x 5	0,320					
20 x 20 x 5		0,700	0,870			
27 x 13 x 7,5		0,700	0,920			
28 x 12 x 7		0,760	0,830			
30 x 15 x 10		0,816	1,024			
30 x 30 x 10		1,150	1,500			
35 x 35 x 10		1,340	1,710			
40 x 20 x 10		1,090	1,340			
40 x 20 x 12,5			1,410			
40 x 20 x 15		1,520	1,500			
40 x 40 x 10		1,570	1,960			
40 x 40 x 12,5		1,656	2,040			
40 x 40 x 15		1,890	2,120	2,600	3,250	3,800
60 x 40 x 15		2,256	2,433	3,000	3,500	4,400
60 x 50 x 20			2,900	3,600	4,200	
80 x 40 x 20			2,900	3,600	4,200	5,360
100 x 50 x 20			2,900	4,400	5,180	
120 x 50 x 20			3,900	4,880	5,580	
150 x 70 x 25				6,400	7,580	
180 x 60 x 25				6,600	7,825	
200 x 60 x 25				7,000	8,300	

PRODUZIONE SPECIALE

SPECIAL PRODUCTION / SONDERHERSTELLUNG / PRODUCTION SPECIALE

B	da mm 20	a mm 200
H	da mm 10	a mm 80
C	da mm 5	a mm 25 (si consiglia C = 1/2 H)
S	da mm 1	a mm 4

PROFILO PORTONE CON INSERTO

NOVITA'

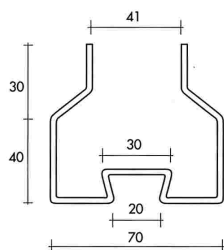
- Praticità
- Estetica
- Convenienza



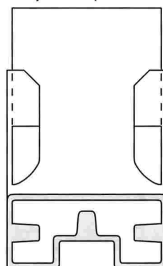
Accessori:
guarnizioni in EPDM
in vari modelli a richiesta

**PROFILI APERTI
MONOROTAIE**

Sezione profilo



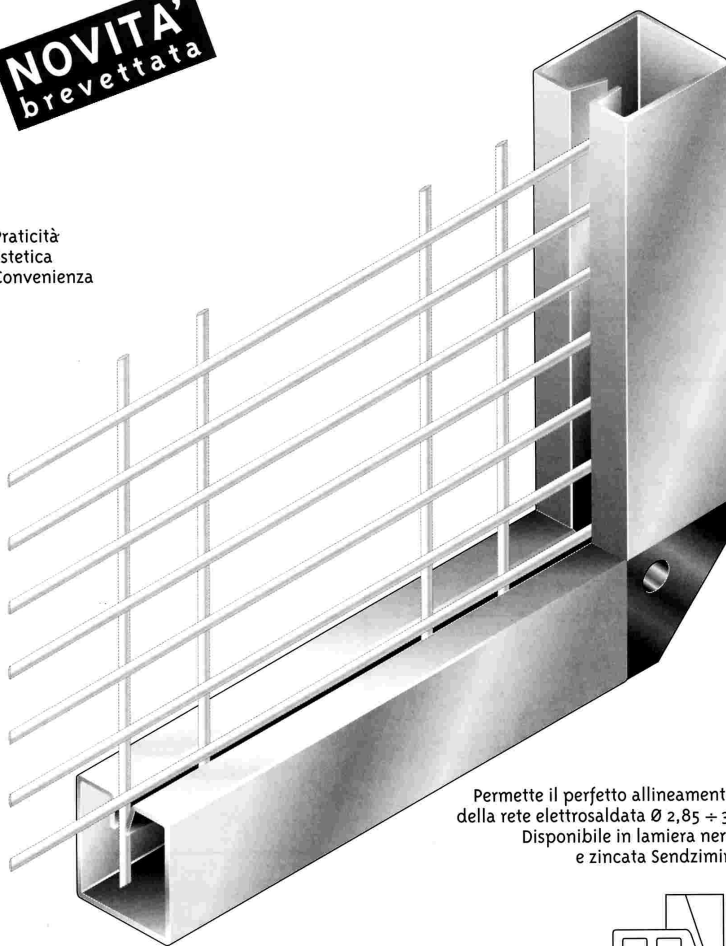
Squadretta
in pressofusione



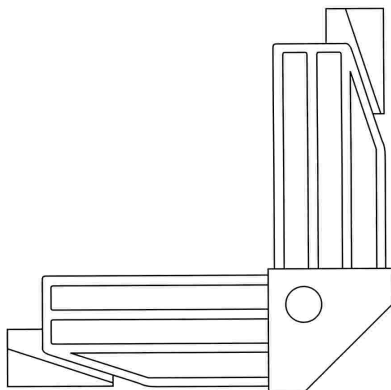
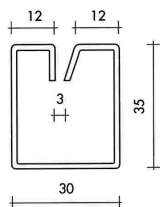
PROFILORETE ASIMMETTRICO

NOVITA'
brevettata

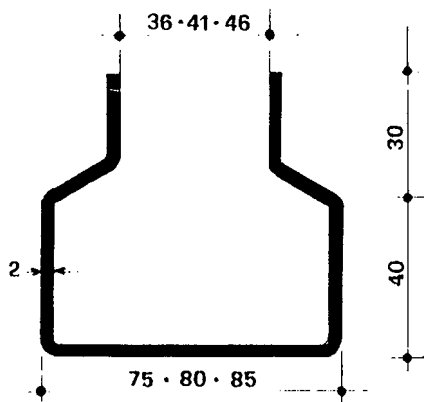
- Praticità
- Estetica
- Convenienza



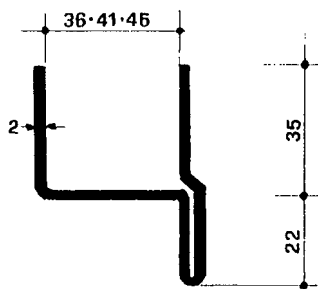
Permette il perfetto allineamento
della rete elettrosaldata $\varnothing 2,85 + 3$.
Disponibile in lamiera nera
e zincata Sendzimir.



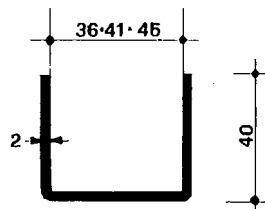
SERIE DI PROFILATI ZINCATI PER PANNELLI POLIURETANICI



- PROFILO PER PORTONI -
PESO INT. 41 = Kg. 3,66 AL MT.



- PROFILO BATTENTE -
PESO INT. 41 = Kg. 2,33 AL MT.



- PROFILO PORTAPANNELLO -
PESO INT. 41 = Kg. 1,66 AL MT.

monorotaie correnti monorotaie speciali guida inferiore



2 RGM

Carrello a 2 ruote con cerniera su cuscinetti reggisplinta.

Chariot à 2 galets avec charnière sur butée.
Two wheeled trolley with hinges.



4 RGM

Carrello a 4 ruote con cerniera a 3 ali su cuscinetti reggisplinta.

Chariot à 4 galets avec charnière à 3 ailes sur butée.

Four wheeled trolley with three leaves hinges.

Corpo in acciaio forgiato.
Ruote Ø 55 mm in acciaio, tornite e cementate a completa corona di sfere.



309 D

Deviatore con rullino Ø 34 mm con bronzina incorporata,

Déviateur avec rouleau Ø 34 mm avec crapaudine incorporée
Guide Roller 34 mm d with bronze bushing.



4 RGMT

Carrello a 4 ruote con cerniera laterale su cuscinetti reggisplinta.
Chariot à 4 galets avec charnière latérale sur butée.

Four wheeled trolley with side hinges and thrust bearings.

Corpo in acciaio forgiato, ruote Ø 55 mm in acciaio, tornite e cementate a completa corona di sfere adatto per terminali.

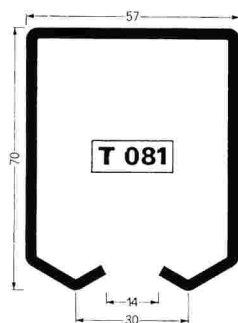
Corps en acier forgé, galets en acier Ø 55 mm tournés et cémentés sur roulements à billes. S'adapte aux finaux.

Drop forged steel body solid steel machined wheels, case hardened 55 mm dia. wheels with ball bearings. For use on outer ends.



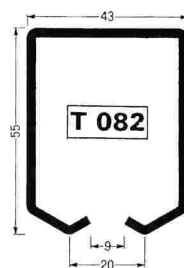
309 M

monorotaie correnti



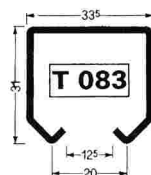
T 081

Spessore 30/10 = kg/ml 5,25 66.081.000.30



T 082

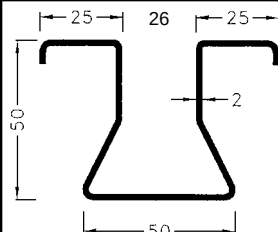
Spessore 25/10 = kg/ml 3,34 66.082.000.25



T 083

Spessore 18/10 = kg/ml 1,22 66.083.000.18

guida inferiore

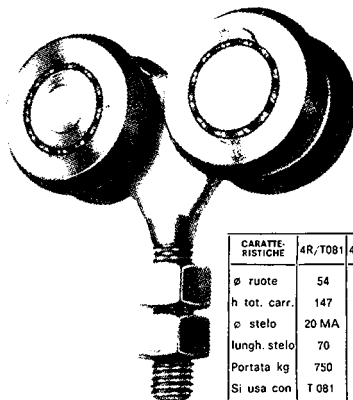
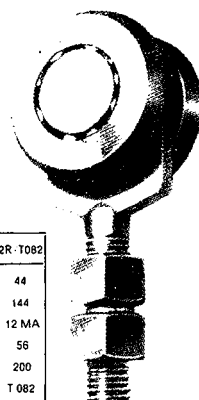


Spessore 20/10 = Kg/ml

carrelli per monorotaie

carrelli per monorotaie con gambo fisso

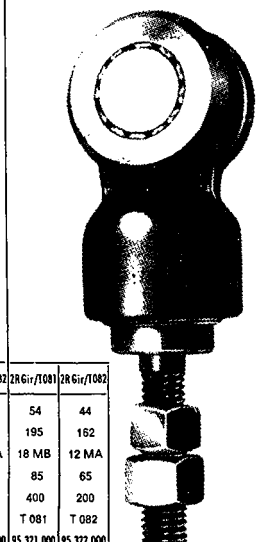
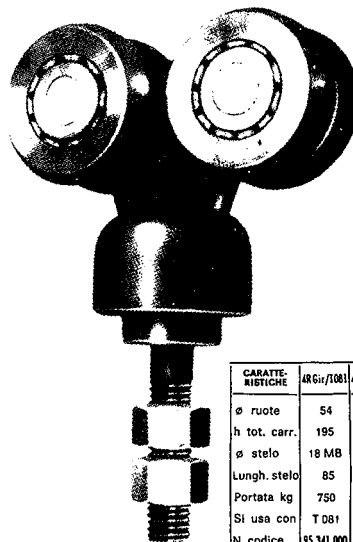
4R/T083

4R/T081

4R/T082
2R/T081
2R/T082

CARATTERISTICHE
4R/T083

Diametro ruote	mm.	23
Altezza totale carrello	-	63
Spessore attacco	-	6
Lunghezza asola	-	29
Portata kg		80
Si usa con		T 083
N. codice		95.243.000.00

CARATTERISTICHE	4R/T081	4R/T082	2R/T081	2R/T082
ø ruote	54	44	54	44
h tot. carr.	147	115	152	144
ø stelo	20 MA	12 MA	20 MA	12 MA
lung. stelo	70	56	75	56
Portata kg	750	650	400	200
Si usa con	T 081	T 082	T 081	T 082
N. codice	95.241.000	95.242.000	95.221.000	95.222.000

carrelli per monorotaie con gambo girevole

4R Gir./T081
4R Gir./T082
2R Gir./T081
2R Gir./T082


■ I carrelli rappresentati in questa pagina sono di nostra produzione e vengono utilizzati unitamente alle nostre monorotaie correnti; come già specificato a fianco non disponiamo di carrelli per monorotaie speciali.

■ Tutti questi carrelli ruotano su cuscinetti a sfere.

■ I carrelli con gambo fisso sono costruiti con ruote in acciaio trattato ed hanno il corpo zincato a fuoco.

■ I carrelli con gambo girevole (che vengono utilizzati per la costruzione di pontoni a libro o qualora il carico che vi viene appeso debba essere sottoposto a rotazione) sono costruiti con ruote in acciaio trattato.

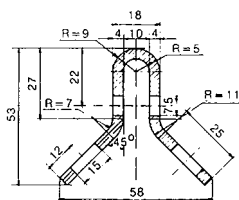
CARATTERISTICHE	4R Gir./T081	4R Gir./T082	2R Gir./T081	2R Gir./T082
ø ruote	54	44	54	44
h tot. carr.	195	158	195	162
ø stelo	18 MB	12 MA	18 MB	12 MA
Lungh. stelo	85	65	85	65
Portata kg	750	650	400	200
Si usa con	T 081	T 082	T 081	T 082
N. codice	95.341.000	95.342.000	95.321.000	95.322.000

**PROFILI APERTI
MONOROTAIE**

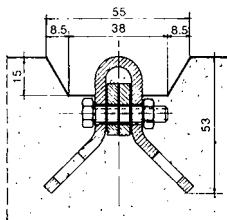
iBBI : UN BINARIO VANTAGGIOSO

Per l'assoluta convenienza rispetto ai sistemi tradizionali (risparmio 30/35%)

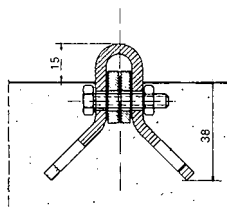
SEZIONE A : A
BINARIO



SOLUZIONE
CON BINARIO
INCASSATO NEL
PAVIMENTO



SOLUZIONE
CON BINARIO
SPORGENTE
DAL PAVIMENTO



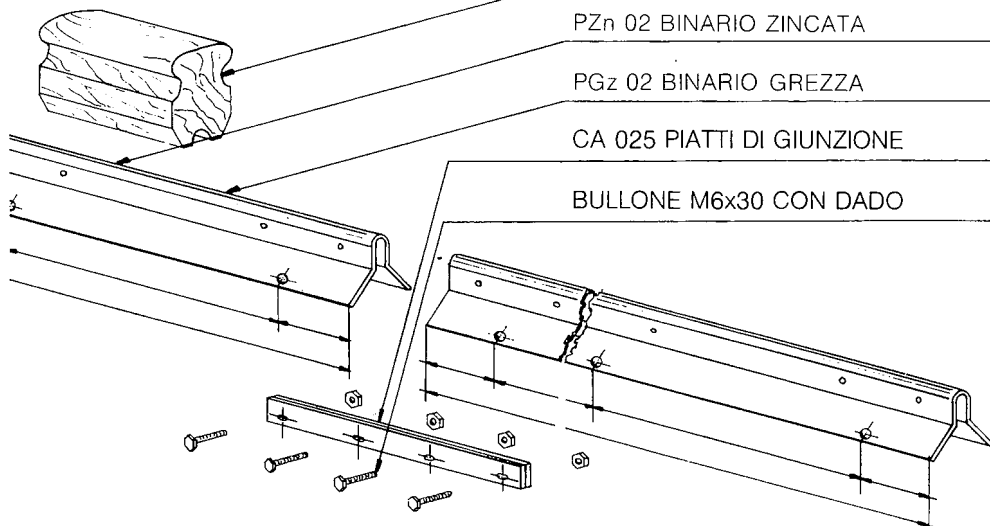
CA 027 RASCHIETTO IN LEGNO

PZn 02 BINARIO ZINCATA

PGz 02 BINARIO GREZZA

CA 025 PIATTI DI GIUNZIONE

BULLONE M6x30 CON DADO



I VANTAGGI DI FLOOR

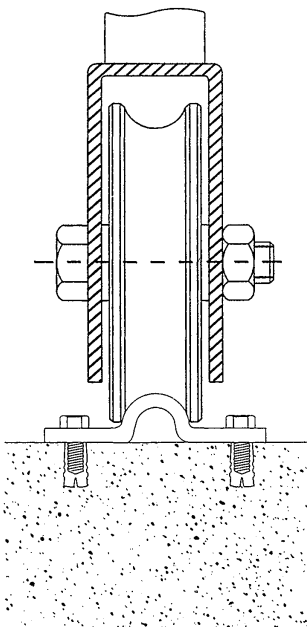
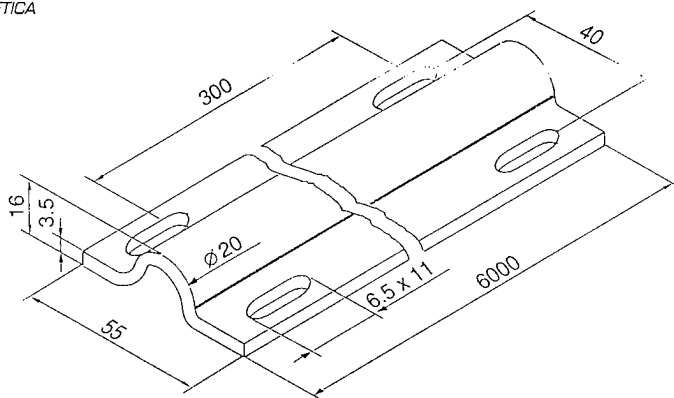
FLOOR

FLOOR LA GUIDA A FISS. A PAVIMENTO PER CANCELLI E PORTONI SCORREVOLI

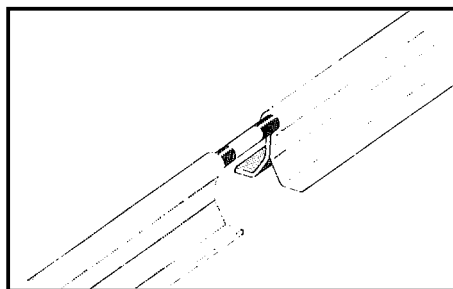
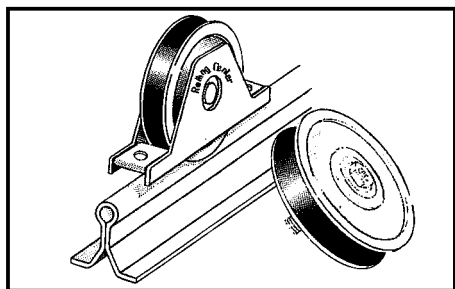
I VANTAGGI DI FLOOR

FLOOR LA NUOVA GUIDA STUDIATA E REALIZZATA PER CANCELLI, PORTONI O I PIU' SVARIATI USI COME AD ES. DIVISORI SCORREVOLI ALL' INTERNO DI STABILIMENTI O MAGAZZINI PRONTA ALL'USO GIA' ZINCATA IN BARRE DA ML 6 PER AMBIENTI DOVE E' GIA' ESISTENTE UNA PAVIMENTAZIONE E SI VUOLE UNA GUIDA DI VELOCE INSTALLAZIONE CON DEI SEMPLICI TASSELLI

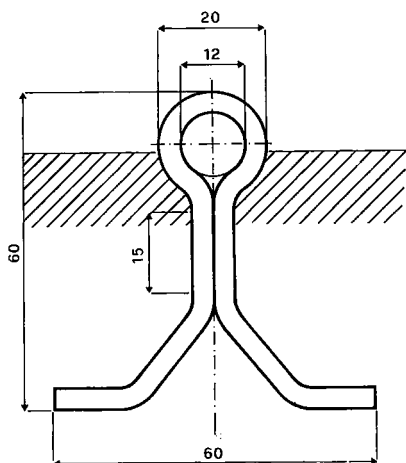
- 1 - COSTI RIDOTTI AL MINIMO*
- 2 - PRONTO ALL' USO GIA' ZINCATO IN BARRE DA ML 6*
- 3 - RIDOTTI AL MINIMO I TEMPI DI REALIZZAZIONE*
- 4 - ASSEMBLAGGIO IN CANTIERE*
- 5 - RIDUZIONE DI SFIDRI*
- 6 - ELEVATA ROBUSTEZZA*
- 7 - ELIMINAZIONE DI SALDATURE*
- 8 - RIDUZIONE AL MINIMO DEI COSTI DI TRASPORTO*
- 9 - NOTEVOLE ESTETICA*



il nuovo binario



- facile installazione
- pronto all'uso
- risparmio di tempo
- costi ridotti



omega è un nuovo binario a pavimento, costituito da un unico elemento già zincato, studiato appositamente per una rapida installazione di portoni e cancelli.

Grazie ai suoi componenti modulari interni (che eliminano i giunti esterni finora usati) è possibile ottenere lunghezze variabili a seconda delle esigenze individuali.

omega garantisce così velocità ed economicità di installazione.

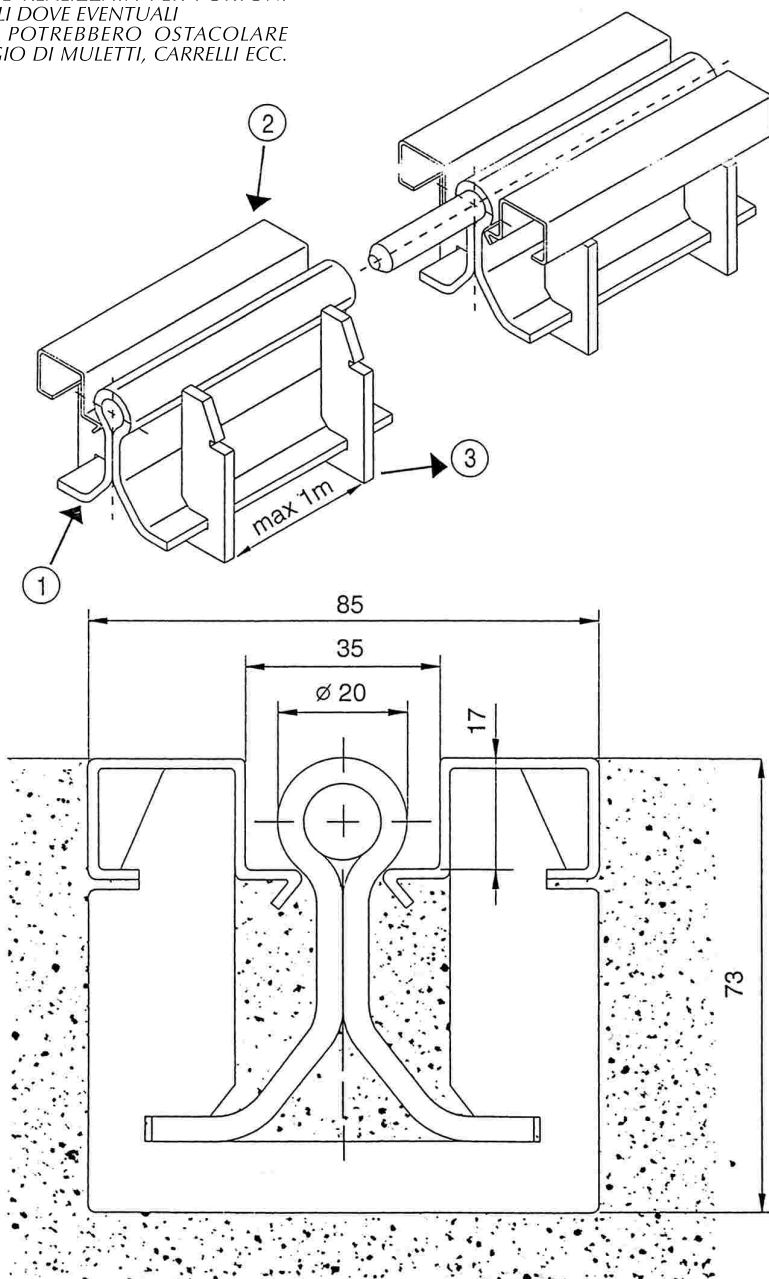
I vantaggi di **omega**

- Realizza elementi modulari di diverse lunghezze.
- Elimina il tempo di costruzione del binario.
- Elimina saldature.
- Elimina sprechi, grazie alla possibilità di utilizzo anche degli spezzoni.
- Diminuisce il tempo di montaggio eliminando elementi di ancoraggio al C.A.

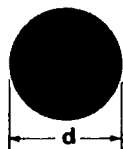
OMEGA 2 = OMEGA + PROFILO ② + ATTACCO ③

I VANTAGGI DI OMEGA 2

STUDIATA E REALIZZATA PER PORTONI
SCORREVOLI DOVE EVENTUALI
DISLIVELLI POTREBBERO OSTACOLARE
IL PASSAGGIO DI MULETTI, CARRELLI ECC.



TONDI



DIAMETRO mm	PESO kg / m
5	0,154
6	0,222
7	0,302
8	0,395
9	0,499
10	0,617
11	0,746
12	0,888
13	1,04
14	1,21
15	1,39
16	1,58
17	1,78
18	2,00
19	2,23
20	2,47
21	2,72
22	2,98
23	3,26
24	3,55
25	3,85
26	4,17
27	4,49
28	4,83
30	5,55
32	6,31

DIAMETRO mm	PESO kg / m
33	6,71
34	7,13
35	7,55
36	7,99
37	8,44
38	8,90
40	9,86
42	10,90
45	12,50
48	14,20
50	15,40
52	16,70
53	17,30
55	18,70
58	20,70
60	22,20
63	24,50
65	26,00
68	28,50
70	30,20
73	32,90
75	34,70
78	37,50
80	39,50
83	42,50
85	44,50

DIAMETRO mm	PESO kg / m
88	47,70
90	49,90
95	55,60
100	61,60
105	68,00
110	74,60
115	81,50
120	88,80
125	96,30
130	104
135	112
140	121
145	130
150	139
155	148
160	158
170	178
180	200
190	223
200	247
220	289
230	326,19
240	355,16
250	385,38
300	554,88

QUADRI

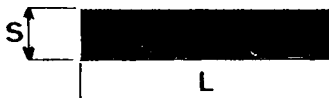


DESIGNAZIONE LATO mm	PESO kg / m
5	0,196
6	0,283
7	0,385
8	0,502
9	0,636
10	0,785
11	0,950
12	1,13
13	1,33
14	1,54
15	1,77
16	2,01
18	2,54
19	2,83
20	3,14
22	3,80
25	4,91
26	5,31
28	6,15

DESIGNAZIONE LATO mm	PESO kg / m
30	7,07
32	8,04
35	9,62
38	11,3
40	12,6
45	15,9
50	19,6
55	23,7
60	28,3
65	33,2
70	38,5
80	50,2
90	63,6
100	78,5
110	95,5
120	113
130	133
140	154
150	177

LAMINATI

PIATTI



DESIGNAZ. mm	PESO kg / m
10 × 3	0,236
4	0,314
5	0,393
6	0,471
12 × 3	0,283
4	0,377
5	0,471
6	0,565
8	0,754
14 × 3	0,330
4	0,440
5	0,550
6	0,659
8	0,879
15 × 3	0,351
4	0,468
5	0,585
6	0,702
8	0,936
10	1,170
16 × 3	0,377
4	0,502
5	0,628
6	0,754
8	1,000
10	1,260
18 × 3	0,424
4	0,565
5	0,707
6	0,848

DESIGNAZ. mm	PESO kg / m
18 × 8	1,130
10	1,410
20 × 3	0,471
4	0,628
5	0,785
6	0,942
7	1,100
8	1,260
10	1,570
12	1,880
15	2,360
22 × 3	0,518
4	0,691
5	0,864
6	1,040
7	1,209
8	1,380
10	1,730
12	2,070
15	2,590
25 × 3	0,589
4	0,785
5	0,981
6	1,180
7	1,374
8	1,570
10	1,962
12	2,360
15	2,940
30 × 3	0,707
4	0,942
5	1,180

DESIGNAZ. mm	PESO kg / m
30 × 6	1,410
7	1,648
8	1,880
10	2,360
12	2,830
15	3,530
18	4,239
20	4,710
* 35 × 3	0,824
4	1,100
5	1,370
6	1,650
7	1,923
8	2,200
10	2,750
12	3,300
15	4,120
18	4,945
20	5,500
25	6,870
* 40 × 3	0,942
4	1,260
5	1,570
6	1,880
7	2,198
8	2,510
10	3,140
12	3,770
15	4,710
18	5,652
20	6,280
25	7,850
* 30	9,420

* non unificato

PIATTI



DESIGNAZ. mm	PESO kg / m
* 45 × 3	1,06
4	1,41
5	1,77
6	2,12
7	2,47
8	2,83
10	3,53
12	4,24
15	5,30
18	6,36
20	7,07
25	8,83
* 30	10,60
* 50 × 3	1,18
4	1,57
5	1,96
6	2,36
7	2,75
8	3,14
10	3,93
12	4,71
15	5,89
18	7,06
20	7,85
25	9,81
30	11,80
* 35	13,74
* 30	15,70
55 × 4	1,73
5	2,16
6	2,59
8	3,45

DESIGNAZ. mm	PESO kg / m
55 × 10	4,32
12	5,18
15	6,48
18	7,77
20	8,64
25	10,80
30	13,00
* 60 × 3	1,41
4	1,88
5	2,36
6	2,83
7	3,30
8	3,77
10	4,71
12	5,65
15	7,07
18	8,48
20	9,42
25	11,80
30	14,10
40	18,80
50	23,60
65 × 4	2,04
5	2,55
6	3,06
8	4,08
10	5,10
12	6,12
15	7,65
18	9,18
20	10,20

DESIGNAZ. mm	PESO kg / m
65 × 25	12,80
30	15,30
40	20,40
* 70 × 3	1,65
4	2,20
5	2,75
6	3,30
7	3,85
8	4,40
10	5,50
12	6,59
15	8,24
18	9,89
20	11,00
25	13,70
30	16,50
40	22,00
50	27,50
60	33,00
75 × 4	2,36
5	2,94
6	3,53
8	4,71
10	5,89
12	7,07
15	8,83
18	10,60
20	11,80
25	14,70
30	17,70
40	23,60
50	29,40

LAMINATI

* non unificato

PIATTI



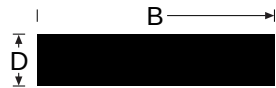
DESIGNAZ. mm	PESO kg / m
* 80 × 3	1,88
4	2,51
5	3,14
6	3,77
8	5,02
10	6,28
12	7,54
15	9,42
18	11,30
20	12,60
25	15,70
30	18,80
40	25,10
50	31,40
60	37,70
* 90 × 3	2,12
4	2,83
5	3,53
6	4,24
8	5,65
10	7,07
12	8,48
15	10,60
18	12,72
20	14,10
25	17,70
30	21,20
40	28,30
50	35,30
60	42,40
* 100 × 3	2,35
* 4	3,14
5	3,93
6	4,71
8	6,28
10	7,85
12	9,42

DESIGNAZ. mm	PESO kg / m
100 × 15	11,80
18	14,13
20	15,70
25	19,60
30	23,60
40	31,40
50	39,25
60	47,10
110 × 6	5,18
8	6,91
10	8,64
12	10,40
15	13,00
20	17,30
25	21,60
30	25,90
40	34,50
50	43,20
60	51,80
120 × 3	2,82
4	3,77
5	4,71
6	5,65
8	7,54
10	9,42
12	11,30
15	14,10
20	18,80
25	23,60
30	28,30
40	37,70
50	47,10
60	56,50
130 × 6	6,12
8	8,16

DESIGNAZ. mm	PESO kg / m
130 × 10	10,20
12	12,20
15	15,30
20	20,40
25	25,50
30	30,60
40	40,80
50	51,00
60	61,20
140 × 3	3,30
4	4,40
5	5,50
8	8,79
10	11,00
12	13,20
15	16,50
20	22,00
25	27,50
30	33,00
40	44,00
50	55,00
60	66,00
* 150 × 3	3,53
* 4	4,71
* 5	5,89
* 6	7,06
8	9,42
10	11,80
12	14,10
15	17,70
20	23,60
25	29,40
30	35,30
40	37,10
50	58,90
60	70,60

* non unificato

LARGHI PIATTI

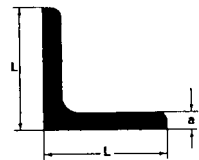


Spessore D in mm - Thickness D in mm - Dicke D in mm															
Larghezza B in mm Width B in mm - Breite B in mm	Peso al mt in Kg - Weight per m in Kg - Gewitch pro m in Kg														
		5	6	8	10	11	12	15	20	25	30	35	40	50	60
	160	6,28	7,54	10,00	12,6	13,8	15,1	18,8	25,1	31,4	37,7	44,0	50,2	62,8	75,4
	170	6,67	8,01	10,70	13,3	14,7	16,0	20,0	26,7	33,4	40,0	46,7	53,4	66,7	80,1
	180	7,07	8,48	11,30	14,1	15,5	17,0	21,2	28,3	35,3	42,4	49,5	56,5	70,7	84,8
	190				14,9	16,4	17,9	22,3	29,8	37,3	44,7	52,2	59,7	74,6	89,5
	200	7,85	9,42	12,56	15,7	17,3	18,8	23,6	31,4	39,3	47,1	55,0	62,8	78,5	94,2
	210				16,5	18,1	19,8	24,7	33,0	41,2	49,5	57,7	65,9	82,4	98,9
	220	8,64	10,34	13,80	17,3	19,0	20,7	25,9	34,5	43,2	51,8	60,4	69,1	86,4	103,6
	230				18,1	19,9	21,7	27,1	36,1	45,1	54,2	63,2	72,2	90,3	108,3
	240				18,8	20,7	22,6	28,3	37,7	47,1	56,5	65,9	75,4	94,2	113,0
	250	9,81	11,75	15,72	19,6	21,6	23,6	29,4	39,3	49,1	58,9	68,7	78,5	98,1	117,8
	260				20,4	22,5	24,5	30,6	40,8	51,0	61,2	71,4	81,6	102,1	122,5
	270				21,2	23,3	25,4	31,8	42,4	53,0	63,6	74,2	84,8	106,0	127,2
	280				22,0	24,2	26,4	33,0	44,0	55,0	65,9	76,9	87,9	109,9	131,9
	300				23,6	25,9	28,3	35,3	47,1	58,9	70,7	82,4	94,2	117,8	141,3
	320				25,1	27,6	30,1	37,7	50,2	62,8	75,4	87,9	100,5	125,6	150,7
	330				25,9	28,5	31,1	38,9	51,8	64,8	77,7	90,7	103,6	129,5	155,4
	340				26,7	29,4	32,0	40,0	53,4	66,7	80,1	93,4	106,8	133,5	160,1
	350				27,5	30,2	33,0	41,2	55,0	68,7	82,4	96,2	109,9	137,4	164,9
	360							42,4	56,5	70,7	84,8	89,9	113,0	141,3	169,6
	370							43,6	58,1	72,6	87,1	101,7	116,2	145,2	174,3
	400							47,1	62,8	78,5	94,2	109,9	125,6	157,0	188,4

Larghezza B in mm
Width B in mm - Breite B in mm

LAMINATI

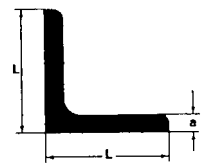
ANGOLARI A SPIGOLI TONDI



DESIGNAZIONE mm	PESO kg / m
15 × 15 × 3	0,63
20 × 20 × 3 4	0,88 1,14
25 × 25 × 3 4 5	1,12 1,46 1,78
30 × 30 × 3 4 5 6	1,36 1,78 2,18 2,58
35 × 35 × 3 4 5 6	1,60 2,09 2,57 3,04
40 × 40 × 3 4 5 6	1,84 2,42 2,97 3,52
45 × 45 × 3 4 5 6 7	2,09 2,74 3,38 4,00 4,60

DESIGNAZIONE mm	PESO kg / m
50 × 50 × 3 4 5 6 7 8 9	2,35 3,06 3,77 4,47 5,15 5,82 6,17
55 × 55 × 4 5 6 7 8	3,35 4,16 4,95 5,70 6,46
60 × 60 × 4 5 6 7 8 10	3,70 4,57 5,42 6,24 7,09 8,69
65 × 65 × 4 5 6 7 8	4,02 4,96 5,91 6,83 7,73
70 × 70 × 4 5 6 7 8 9 10 11	4,35 5,37 6,38 7,38 8,36 9,34 10,30 11,20

ANGOLARI A SPIGOLI TONDI

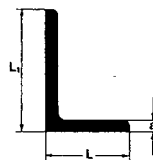


DESIGNAZIONE mm	PESO kg / m
75 × 75 × 4	4,72
5	5,78
6	6,87
7	7,94
8	9,03
10	11,10
12	13,10
80 × 80 × 4	5,02
5	6,04
6	7,34
7	8,49
8	9,63
10	11,90
12	14,00
90 × 90 × 5	6,87
6	8,20
7	9,58
8	10,90
9	12,20
10	13,40
11	14,70
12	15,90
15	19,50
100 × 100 × 5	7,65
6	9,22
7	10,80
8	12,20
9	13,60
10	15,10
11	16,40
12	17,80
14	20,60
16	24,20
110 × 110 × 6	11,20
7	13,00
8	13,50
10	16,60
12	19,70
14	22,80

DESIGNAZIONE mm	PESO kg / m
120 × 120 × 6	11,20
7	13,00
8	14,75
10	18,20
11	19,90
12	21,60
13	23,30
14	25,00
15	26,60
18	31,50
130 × 130 × 6,5	12,90
7	13,90
8	15,95
9	17,85
10	19,80
11	21,60
12	23,60
14	27,20
16	30,90
140 × 140 × 13	27,50
15	31,40
17	35,30
150 × 150 × 14	31,60
15	33,80
16	35,90
18	40,10
160 × 160 × 15	36,20
17	40,70
19	45,10
180 × 180 × 16	43,50
18	48,60
20	53,70
200 × 200 × 16	48,50
18	54,30
20	59,90

LAMINATI

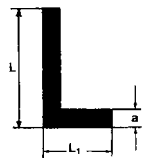
“ELLE” A SPIGOLI TONDI



DESIGNAZIONE mm	PESO kg / m
30 × 20 × 4 5	1,46 1,78
35 × 20 × 4 5	1,61 1,97
40 × 20 × 4 5	1,77 2,17
40 × 25 × 4 5	1,93 2,37
45 × 30 × 4 5 6	2,25 2,76 3,27
50 × 30 × 5	2,96
60 × 30 × 5 6 7	3,37 3,99 4,59
60 × 40 × 5 6 7	3,76 4,46 5,14
75 × 50 × 6 7 9	5,65 6,53 8,22
80 × 40 × 6 7 8	5,41 6,25 7,07
80 × 60 × 7 8 10	7,36 8,34 10,20

DESIGNAZIONE mm	PESO kg / m
100 × 50 × 8 10	8,99 11,10
100 × 65 × 7 9 10 11	8,77 11,10 12,30 13,40
110 × 75 × 8 10	11,12 13,73
120 × 60 × 8 10	10,90 13,40
120 × 80 × 8 10 12 14	12,20 15,00 17,80 20,50
130 × 65 × 8 10 12	11,80 14,60 17,30
150 × 100 × 10 12 14	19,30 22,60 26,10
160 × 80 × 9 12 14	16,40 21,60 25,00
200 × 90 × 12 15	26,30 32,50
200 × 100 × 12 14 16	27,30 31,60 35,90

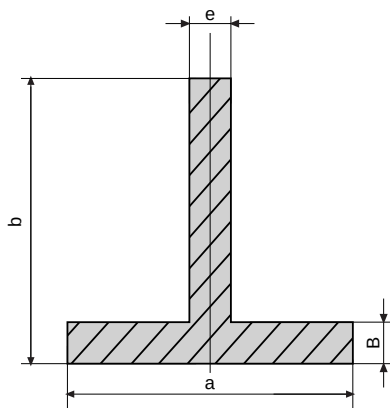
“ELLE” A SPIGOLI VIVI



DESIGNAZIONE mm	PESO kg / m
20 × 12 × 4	0,88
25 × 15 × 4,5	1,25
30 × 17,5 × 5	1,67
35 × 20 × 5,5	2,14
40 × 22 × 6	2,64
45 × 30 × 6,5	3,50
50 × 30 × 6	3,49
50 × 30 × 7	4,01

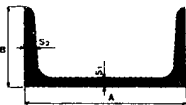
LAMINATI

PROFILATI A "T"



a x b mm	e mm	Kg / mm
20x20x	3	0,878
20x20x	4	1,13
25x25x	3,5	1,27
25x25x	4,5	1,61
30x30x	4	1,76
30x30x	5	2,16
35x35x	4,5	2,31
35x35x	5,5	2,78
40x40x	5	2,94
40x40x	6	3,49
45x45x	5,5	3,65
45x45x	6,5	4,26
50x50x	7	5,11
60x60x	8	7,03
70x70x	9	9,26
80x80x	10	11,8
100x100x	11	16,4

PROFILATI AD “U” SERIE SPECIALE



DESIGNAZIONE mm	SPESSORE ANIMA mm	SPESSORE ALA mm	PESO kg / m
* 25 × 12	4	4	1,30
30 × 15	5	* 5	1,98
* 35 × 17	5,5	5,5	2,52
40 × 20	6	6	3,23
50 × 25	6	6	4,15
60 × 30	6,5	6,5	5,45

PROFILATI “UPN” SERIE NORMALE

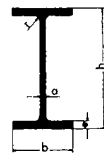


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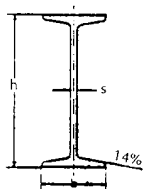
30 × 33	5	7	4,27
40 × 35	5	7	4,87
50 × 38	5	7	5,59
65 × 42	5,5	7,5	7,09
80 × 45	6	8	8,65
100 × 50	6	8,5	10,60
120 × 55	7	9	13,30
140 × 60	7	10	16,00
160 × 65	7,5	10,5	18,90
180 × 70	8	11	22,00
200 × 75	8,5	11,5	25,30
220 × 80	9	12,5	29,40
240 × 85	9,5	13	33,20
260 × 90	10	14	37,90
280 × 95	10	15	41,90
300 × 100	10	16	46,10

* norf unificato

IPE - TRAVI AD ALI PARALLELE



Desi- gnaz.	Peso kg / m	Sez. cmq	DIMENSIONI					caratteristiche riferite all'asse neutro					
			h	b	a	e	r	x - x			y - y		
								J_x	$\frac{J_x}{v_x}$	i_x	J_y	$\frac{J_y}{v_y}$	i_y
			mm	mm	mm	mm	mm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
80	6,0	7,64	80	46	3,8	5,2	5	80,1	20,0	3,24	8,49	3,69	1,05
100	8,1	10,3	100	55	4,1	5,7	7	171	34,2	4,07	15,9	5,79	1,24
120	10,4	13,2	120	64	4,4	6,3	7	318	53,0	4,90	27,7	8,65	1,45
140	12,9	16,4	140	73	4,7	6,9	7	541	77,3	5,74	44,9	12,3	1,65
160	15,8	20,1	160	82	5,0	7,4	9	869	109	6,58	68,3	16,7	1,84
180	18,8	23,9	180	91	5,3	8,0	9	1320	146	7,42	101	22,2	2,05
200	22,4	28,5	200	100	5,6	8,5	12	1940	194	8,26	142	28,5	2,24
220	26,2	33,4	220	110	5,9	9,2	12	2770	252	9,11	205	37,3	2,48
240	30,7	39,1	240	120	6,2	9,8	15	3890	324	9,97	284	47,3	2,69
270	36,1	45,9	270	135	6,6	10,2	15	5790	429	11,2	420	62,2	3,02
300	42,2	53,8	300	150	7,1	10,7	15	8360	557	12,5	604	80,5	3,35
330	49,1	62,6	330	160	7,5	11,5	18	11770	713	13,7	788	98,5	3,55
360	57,1	72,7	360	170	8,0	12,7	18	16270	904	15,0	1040	123	3,79
400	66,3	84,5	400	180	8,6	13,5	21	23130	1160	16,5	1320	146	3,95
450	77,6	98,8	450	190	9,4	14,6	21	33740	1500	18,5	1680	176	4,12
500	90,7	116	500	200	10,2	16,0	21	48200	1930	20,4	2140	214	4,31
550	106	134	550	210	11,1	17,2	24	67120	2440	22,3	2670	254	4,45
600	122	156	600	220	12,0	19,0	24	92080	3070	24,3	3390	308	4,66



TRAVI NP

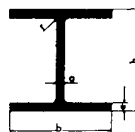
dati generali

PROFILO					Peso al m. kg	Sez. cm ²	Wx cm ³	Jx cm ⁴
h	b	a	e	r				
80	42	3,9	5,9	3,9	5,9	7,6	19,4	78
100	50	4,5	6,8	4,5	8,3	10,6	34,1	170
120	58	5,1	7,7	5,1	11,1	14,2	54,5	327
140	66	5,7	8,6	5,7	14,3	18,2	81,8	572
160	74	6,3	9,5	6,3	17,9	22,8	117	934
180	82	6,9	10,4	6,9	21,9	27,9	161	1444
200	90	7,5	11,3	7,5	26,2	33,4	214	2138
220	98	8,1	12,2	8,1	31,0	39,5	278	3050
240	106	8,7	13,1	8,7	36,2	46,1	353	4239
260	113	9,4	14,1	9,4	41,9	53,3	441	5735
280	119	10,1	15,2	10,1	47,9	61,0	541	7575
300	125	10,8	16,2	10,8	54,2	69,0	652	9785
320	131	11,5	17,3	11,5	61,0	77,7	781	12490
340	137	12,2	18,3	12,2	68,0	86,7	922	15670
360	143	13,0	19,5	13,0	76,1	97	1087	19580
380	149	13,7	20,5	13,7	84,0	107	1262	23980
400	155	14,4	21,6	14,4	92,5	118	1461	29210
425	163	15,3	23,0	15,3	104	132	1738	36930
450	170	16,2	24,3	16,2	115	147	2035	45790
475	178	17,1	25,6	17,1	128	163	2375	56410
500	185	18,0	27,0	18,0	141	180	2746	68650
550	200	19,0	30,0	19,0	166	212	3598	98950
600	215	21,6	32,4	21,6	199	254	4626	138800

HEA

TRAVI AD ALI LARGHE PARALLELE

SERIE ALLEGGERITA

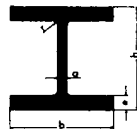


Desi- gnaz.	Peso kg / m	Sez. cmq	DIMENSIONI					caratteristiche riferite all'asse neutro					
			h	b	a	e	r	x - x			y - y		
								J_x	$\frac{J_x}{v_x}$	i_x	J_y	$\frac{J_y}{v_y}$	i_y
			mm	mm	mm	mm	mm	cm ³	cm	cm ⁴	cm ⁴	cm ³	cm
100	16,7	21,2	96	100	5	8	12	349	72,8	4,06	134	26,8	2,51
120	19,9	25,3	114	120	5	8	12	606	106	4,89	231	38,5	3,02
140	24,7	31,4	133	140	5,5	8,5	12	1030	155	5,73	389	55,6	3,52
160	30,4	38,8	152	160	6	9	15	1670	220	6,57	616	76,9	3,98
180	35,5	45,3	171	180	6	9,5	15	2510	294	7,45	925	103	4,52
200	42,3	53,8	190	200	6,5	10	18	3690	389	8,28	1340	134	4,98
220	50,5	64,3	210	220	7	11	18	5410	515	9,17	1950	178	5,51
240	60,3	76,8	230	240	7,5	12	21	7760	675	10,1	2770	231	6,00
260	68,2	86,8	250	260	7,5	12,5	24	10450	836	11,0	3670	282	6,50
280	76,4	97,3	270	280	8	13	24	13670	1010	11,9	4760	340	7,00
300	88,3	113	290	300	8,5	14	27	18260	1260	12,7	6310	421	7,49
320	97,6	124	310	300	9	15,5	27	22930	1480	13,6	6990	466	7,49
340	105	133	330	300	9,5	16,5	27	27690	1680	14,4	7440	496	7,46
360	112	143	350	300	10	17,5	27	33090	1890	15,2	7890	526	7,43
400	125	159	390	300	11	19	27	45070	2310	16,8	8560	571	7,34
450	140	178	440	300	11,5	21	27	63720	2900	18,9	9470	631	7,29
500	155	198	490	300	12	23	27	86970	3550	21,0	10370	691	7,24
550	166	212	540	300	12,5	24	27	111900	4150	23,0	10820	721	7,15
600	178	226	590	300	13	25	27	141200	4790	25,0	11270	751	7,05
650	190	242	640	300	13,5	26	27	175200	5470	26,9	11720	782	6,97
700	204	260	690	300	14,5	27	27	215300	6240	28,8	12180	812	6,84
800	224	286	790	300	15	28	30	303400	7680	32,6	12640	843	6,65
900	252	321	809	300	16	30	30	422100	9480	36,3	13550	903	6,50
1000	272	347	990	300	16,5	31	30	553800	11190	40,0	14000	934	6,35

HEB

TRAVI AD ALI LARGHE PARALLELE

SERIE NORMALE



Desi- gnaz.	Peso kg / m	Sez. cmq	DIMENSIONI					caratteristiche riferite all'asse neutro					
			h	b	a	e	r	X ' X			Y ' Y		
								J_x	$\frac{J_x}{v_x}$	i_x	J_y	$\frac{J_y}{v_y}$	i_y
			mm	mm	mm	mm	mm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
100	20,4	26,0	100	100	6	10	12	450	89,9	4,16	167	33,5	2,53
120	26,7	34,0	120	120	6,5	11	12	864	144	5,04	318	52,9	3,06
140	33,7	43,0	140	140	7	12	12	1510	216	5,93	550	78,5	3,58
160	42,6	54,3	160	160	8	13	15	2490	311	6,78	889	111	4,05
180	51,2	65,3	180	180	8,5	14	15	3830	426	7,66	1360	151	4,57
200	61,3	78,1	200	200	9	15	18	5700	570	8,54	2000	200	5,07
220	71,5	91,0	220	220	9,5	16	18	8090	736	9,43	2840	258	5,59
240	83,2	106	240	240	10	17	21	11260	938	10,3	3920	327	6,08
260	93,0	118	260	260	10	17,5	24	14920	1150	11,2	5130	395	6,58
280	103	131	280	280	10,5	18	24	19270	1380	12,1	6590	471	7,09
300	117	149	300	300	11	19	27	25170	1680	13,0	8560	571	7,58
320	127	161	320	300	11,5	20,5	27	30800	1930	13,8	9240	616	7,57
340	134	171	340	300	12	21,5	27	36660	2160	14,6	9690	646	7,53
360	142	181	360	300	12,5	22,5	27	43190	2400	15,5	10140	676	7,49
400	155	198	400	300	13,5	24	27	57680	2880	17,1	10820	721	7,40
450	171	218	450	300	14	26	27	79890	3550	19,1	11720	781	7,33
500	187	239	500	300	14,5	28	27	107200	4290	21,2	12620	842	7,17
550	199	254	550	300	15	29	27	136700	4970	23,2	13080	872	7,17
600	212	270	600	300	15,5	30	27	171000	5700	25,2	13500	902	7,08
650	225	286	650	300	16	31	27	210600	6480	27,1	13980	932	6,99
700	241	306	700	300	17	32	27	256900	7340	29,0	14440	963	6,87
800	262	334	800	300	17,5	33	30	359100	8980	32,8	14900	994	6,68
900	291	371	900	300	18,5	35	30	494100	10980	36,5	15820	1050	6,53
1000	314	400	1000	300	19	36	30	644700	12890	40,1	16280	1090	6,38

LAMINATI

TABELLA DELLE PORTATE

Carichi uniformemente distribuiti e trave semplicemente appoggiata agli
e non sono impegnativi.

altezza H	carichi utili in chilogrammi riferiti a luci in metri							
	3				4			
	NP	IPE	HE/A	HE/B	NP	IPE	HE/A	HE/B
100	1.430	1.435	3.064	3.778	845	1.062	2.269	2.798
120	2.292	2.230	4.463	6.063	1.700	1.654	3.312	4.501
140	3.441	3.259	6.539	9.114	2.552	2.422	4.861	6.767
160	4.938	4.603	9.295	13.141	3.672	3.425	6.918	9.781
180	6.803	6.437	12.437	18.022	5.064	4.597	9.265	13.427
200	9.050	8.210	16.470	24.135	6.743	6.118	12.278	17.994
220	11.766	10.673	21.821	31.187	8.772	7.959	16.277	23.265
240	14.950	13.732	28.618	39.770	11.151	10.245	21.358	29.682
260	17.320	18.195	35.464	48.786	12.780	13.583	26.478	36.427
280	22.640	—	42.863	58.569	16.751	—	32.013	43.747
300	27.651	23.638	53.493	71.327	20.647	17.655	39.965	53.290
400	61.049	42.294	98.182	122.412	46.382	36.855	73.418	91.568
500	116.718	82.074	150.997	182.474	87.308	61.397	112.977	136.528
600	196.748	130.620	203.834	242.558	147.236	97.752	152.564	181.547
	7				8			
100	—	568	1.218	1.502	—	—	1.034	1.276
120	—	896	1.799	2.446	—	—	1.536	2.090
140	—	1.323	2.661	3.713	—	1.133	2.282	3.186
160	—	1.882	3.810	5.388	—	1.617	3.276	4.635
180	—	2.538	5.127	7.431	—	2.185	4.419	6.406
200	3.731	3.390	6.816	9.993	—	2.925	5.885	8.629
220	4.868	4.424	9.063	12.957	—	3.822	7.835	11.203
240	6.203	5.709	11.920	16.569	5.338	4.938	10.317	14.342
260	6.660	7.592	14.809	20.377	5.726	6.575	12.830	17.655
280	9.110	—	17.933	24.512	7.618	—	15.548	21.255
300	11.546	9.889	22.421	29.900	9.998	8.574	19.453	25.943
400	26.075	20.747	41.364	51.576	22.636	18.029	35.959	44.838
500	49.237	34.656	63.827	77.134	42.808	30.154	55.558	67.142
600	83.217	55.283	86.340	102.742	72.424	48.144	75.214	89.501

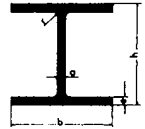
N.B. - Per le travi IPE si intenda H 270 anziché 260 mm.

PER TRAVI NP - IPE - HEA - B

estremi. $K = 1.600 \text{ kg/cmq.}$ I dati riportati hanno valore informativo

altezza H	carichi utili in chilogrammi riferiti a luci in metri							
	5				6			
	NP	IPE	HE/A	HE/B	NP	IPE	HE/A	HE/B
100	—	835	1.785	2.202	—	681	1.457	1.797
120	—	1.305	2.614	3.553	—	1.068	2.142	2.911
140	2.120	1.914	3.844	5.361	—	1.571	3.158	4.405
160	2.906	2.711	5.480	7.748	—	2.230	4.511	6.379
180	4.012	3.643	7.348	10.649	3.304	3.002	6.059	8.780
200	5.326	4.854	9.746	14.285	4.408	4.004	8.044	11.792
220	6.962	6.320	12.931	18.483	5.744	5.219	10.683	15.272
240	8.856	8.141	16.978	23.596	7.312	6.728	14.037	19.511
260	9.990	10.802	21.060	28.974	8.115	8.935	17.425	23.974
280	13.500	—	25.473	34.812	10.827	—	21.087	28.821
300	16.420	14.048	31.913	42.422	13.582	11.629	26.349	35.137
400	36.940	29.364	58.509	72.951	30.608	24.350	48.528	60.508
500	69.593	48.954	90.102	108.886	57.726	40.629	74.801	90.395
600	117.431	77.982	121.731	144.856	97.479	64.761	101.116	120.325
	9				10			
100	—	—	888	1.096	—	—	767	948
120	—	—	1.328	1.807	—	—	1.157	1.576
140	—	—	1.982	2.768	—	—	1.737	2.427
160	—	1.408	2.855	4.039	—	—	2.512	3.554
180	—	1.907	3.861	5.597	—	1.681	3.408	4.940
200	—	2.557	5.151	7.554	—	2.259	4.556	6.683
220	—	3.348	6.869	9.823	—	2.963	6.087	8.705
240	—	4.331	9.057	12.591	—	3.840	8.036	11.174
260	—	5.776	11.275	15.518	—	5.130	10.018	13.789
280	—	—	13.676	18.699	—	—	12.163	16.633
300	8.783	7.542	17.125	22.839	—	6.707	15.244	20.333
400	19.943	15.901	31.790	39.641	17.776	14.185	28.317	35.313
500	37.779	26.632	49.092	59.328	33.739	23.797	43.888	53.040
600	63.991	42.564	66.520	79.262	57.223	38.076	59.530	70.833

N.B. - Per le travi IPE si intenda H 270 anziché 260 mm

HEM**TRAVI AD ALI LARGHE PARALLELE****SERIE RINFORZATA**

Desi- gnaz.	Peso kg/m	Sez. cmq	DIMENSIONI					caratteristiche riferite all'asse neutro					
			h	b	a	e	r	x - x			y - y		
								J_x	$\frac{J_x}{v_x}$	i_x	J_y	$\frac{J_y}{v_y}$	i_y
			mm	mm	mm	mm	mm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
100	41,8	53,2	120	106	12	20	12	1140	190	4,63	399	75,3	2,74
120	52,1	66,4	140	126	12,5	21	12	2020	288	5,51	703	112	3,25
140	63,2	80,6	160	146	13	22	12	3290	411	6,39	1140	157	3,77
160	76,2	97,1	180	166	14	23	15	5100	566	7,25	1760	212	4,26
180	88,9	113	200	186	14,5	24	15	7480	748	8,13	2580	277	4,77
200	103	131	220	206	15	25	18	10640	967	9,00	3650	354	5,27
220	117	149	240	226	15,5	26	18	14600	1220	9,89	5010	444	5,79
240	157	200	270	248	18	32	21	24290	1800	11,0	8150	657	6,39
260	172	220	290	268	18	32,5	24	31310	2160	11,9	10450	780	6,90
280	189	240	310	288	18,5	33,5	24	39550	2550	12,8	13160	914	7,40
300	238	303	340	310	21	39	27	59200	3480	14,0	19400	1250	8,00
320	245	312	359	309	21	40	27	68130	3800	14,8	19710	1280	7,95
340	248	316	377	309	21	40	27	76370	4050	15,6	19710	1280	7,90
360	250	319	395	308	21	40	27	84870	4300	16,3	19520	1270	7,83
400	256	326	432	307	21	40	27	104100	4820	17,9	19340	1260	7,70
450	263	335	478	307	21	40	27	131500	5500	19,8	19340	1260	7,59
500	270	344	524	306	21	40	27	161900	6180	21,7	19150	1250	7,46
550	278	354	572	306	21	40	27	198000	6920	23,6	19160	1250	7,35
600	285	364	620	305	21	40	27	237400	7660	25,6	18980	1240	7,22
650	293	374	668	305	21	40	27	281700	8430	27,5	18980	1240	7,13
700	301	383	716	304	21	40	27	329300	9200	29,3	18860	1240	7,01
800	317	404	814	303	21	40	30	442600	10870	33,1	18630	1230	6,79
900	333	424	910	302	21	40	30	570400	12540	36,7	18450	1220	6,60
1000	349	444	1008	302	21	40	30	722300	14330	40,3	18460	1220	6,45

LAMIERE SOTTILI E MEDIE

SPESSORE mm	PESO kg / mq	DIMENSIONI IN MILLIMETRI							
		1000 × 2000	1250 × 2500	1500 × 3000	1500 × 6000	1750 × 6000	2000 × 5000	2000 × 6000	2000 × 7000
		PESO IN CHILOGRAMMI							
0,3	2,36	4,72							
0,35	2,75	5,51							
0,4	3,14	6,28							
0,45	3,53	7,06							
0,5	3,93	7,86							
0,6	4,71	9,42	14,7						
0,8	6,28	12,6	19,7	28,3					
1	7,85	15,7	24,5	35					
1,2	9,42	18,8	29,5	42					
1,5	11,8	23,6	36,7	53	106				
1,8	14,1	28,2	44,2	64	128				
2	15,7	31,4	49	71	142				
2,5	19,6	39,3	61	88	176,4				
3	23,6	47,1	73	106	212,4	247,8	236	283,2	330,4
3,5	27,5	55	85,9	123,6	247,3	288,5	274,8	329,7	384,7
4	31,4	62,8	98	141	282,6	329,7	314	376,8	439,6

LAMIERE GROSSE

SPESSORE mm	PESO kg / mq	DIMENSIONI IN MILLIMETRI - PESO IN KG.					
		6000 × 1500	6000 × 2000	8000 × 2000	8000 × 2500	10000 × 2500	12000 × 2500
5	39,5	354	472	629	786	983	1179
6	47,10	423	566	754	942	1178	1413
7	54,95	495	660	880	1100	1375	1650
8	62,80	565	754	1005	1256	1570	1884
9	70,65	636	848	1130	1412	1765	2118
10	78,50	707	942	1256	1570	1963	2355
12	94,20	848	1131	1508	1884	2355	2826
15	117,8	1062	1416	1888	2360	2950	3540
18	141,3	1269	1692	2256	2820	3525	4230
20	157,0	1413	1884	2512	3140	3925	4710
25	196,2	1764	2352	3136	3920	4900	5880
30	235,5	2124	2832	3776	4720	5900	7080
35	274,8	2475	3300	4400	5500	6875	8250
40	314,0	2826	3768	5024	6280	7850	9420
45	353,2	3186	4248	5664	7080	8850	10620
50	392,5	3537	4716	6288	7860	9825	11790
55	431,8	3888	5184	6912	8640	10800	12960
60	471,0	4239	5652	7536	9420	11775	14130
65	510,2	4599	6132	8176	10220	12775	15300
70	549,5	4950	6600	8800	11000	13725	16470
75	588,8	5301	7068	9424	11780	14725	17670
80	628,0	5652	7536	10048	12560	15700	18840
85	667,2	6012	8016	10688	13340	16675	20010
90	706,5	6363	8484	11312	14120	17650	21280
95	745,8	6714	8952	11936	14910	18640	22570
100	785,0	7065	9420	12560	15700	19625	23550
110	863,5	7776	10368	13808	17260	21575	25890
120	942,0	8478	11304	15072	18840	23550	28260
130	1021	9189	12252	16336	20420	25525	30630
140	1099	9891	13188	17584	21980	27475	32970
150	1178	10602	14136	18848	23560	29450	35340

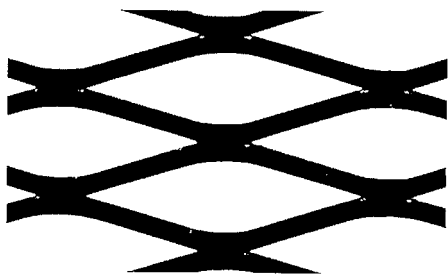
LAMIERE STRIATE

SPESSORE mm	PESO kg /mq	DIMENSIONI IN MILLIMETRI			
		2000 × 1000	2500 × 1250	3000 × 1500	6000 × 1500
3	28,6	57	89	128	257
4	36,5	73	114	164	329
5	44,3	89	138	199	399
6	52,1	104	163	234	469
8	67,8	136	212	305	610
10	83,6	167	261	376	753
12	99,1	198	309	445	892
14	115	230	358	517	1035

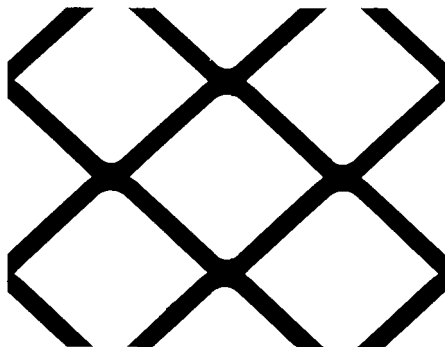
LAMIERE BUGNATE

SPESSORE mm	PESO kg /mq	DIMENSIONI IN MILLIMETRI			
		2000 × 1000	2500 × 1250	3000 × 1500	6000 × 1500
3	26,1	52,1	81,1	117	234
4	33,9	67,9	106	153	306
5	41,8	83,5	130	187	374
6	49,6	100	154	223	416
8	65,3	130	204	294	588
10	81,1	162	253	365	730
12	96,7	193	302	435	870
14	111	222	346	499	999

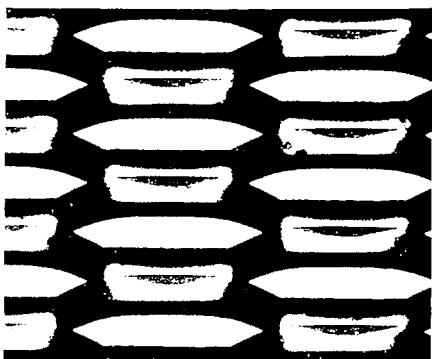
LAMIERE STIRATE



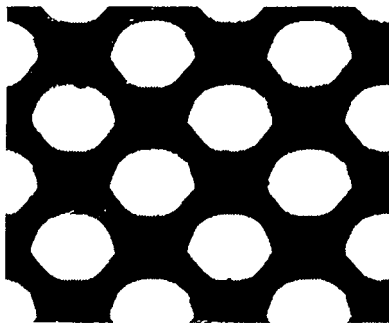
S2/S17-S28 (10x43 mm)



SQ 30



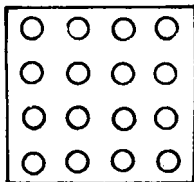
FILS 20 - 21 - 22 (44x15 mm)



STP 20 Ø 10

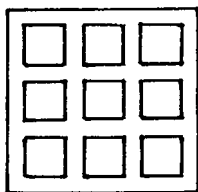
LAMIERE FORATE

formato 2.000 x 1.000



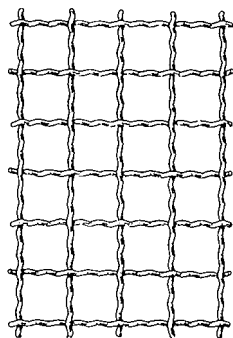
FORI TONDI

foro Ø mm	passo mm	spessore mm
2	3,2	1 - 1,5
3	5,0	1 - 1,5 - 2 - 3
4	7,0	1 - 1,5 - 2 - 3
5	8,0	1 - 1,5 - 2 - 3
6	9,0	1 - 1,5 - 2 - 3
8	12,0	1 - 1,5 - 2 - 3 - 4
10	15,0	1 - 1,5 - 2 - 3 - 4 - 5 - 6
15	22,0	1 - 1,5 - 2 - 3



FORI QUADRI

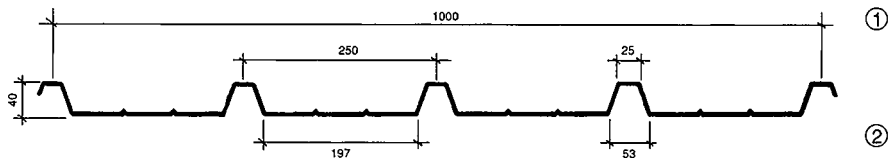
foro Ø mm	passo mm	spessore mm
5 x 5	7,0	1 - 1,5
8 x 8	10,0	1,5
8 x 8	15,0	1,5
10 x 10	13,0	1,5
10 x 10	15,0	1,5



RETI ONDULATE A MAGLIA QUADRA IN ROTOLI

maglia mm	filo mm	altezza mm	peso kg/mq
10 x 10	2,0	1.000	4,50
15 x 15	2,4	1.000	4,60
20 x 20	3,0	1.000	5,60
25 x 25	3,0	1.000	4,80
30 x 30	3,5	1.000	4,80
40 x 40	4,0	1.000	5,30
50 x 50	5,0	1.000	6,90
40 x 40	4,0	1.000	5,3
50 x 50	5,0	1.000	6,9

EGB 1250



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

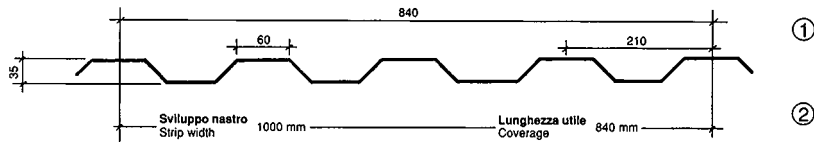
CARATTERISTICHE STATICHE Section Properties				
Spessore Thickness	0,6	0,7	0,8	1,0
Peso Weight Kg/m ²	5,89	6,87	7,85	9,81
J cm ⁴ /m	16,05	18,72	21,40	26,75
W cm ³ /m	5,30	6,18	7,07	8,83

CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg/m² PER RESISTENZA / δ = 1450 Kg/cm²
Max load capacity Kg/m²

I CARICHI PIÙ ELEVATI NON PREVEDONO LIMITAZIONE DI FRECCIA.
Higher loads have no restraints for deflection.

ELEMENTI GRECATI PER PARETI/WALLS

EGB 902/D



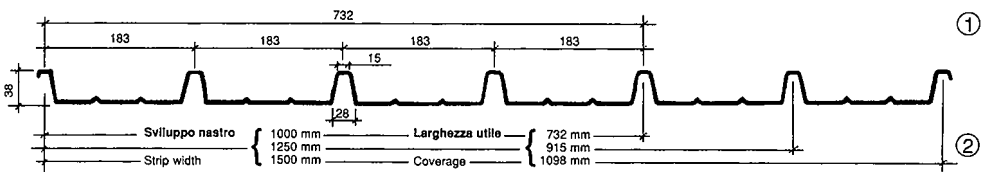
I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE Section Properties				
Spessore Thickness	0,6	0,7	0,8	1,0
Peso Weight Kg/m ²	5,60	6,53	7,47	9,34
Peso Weight Kg/m	4,71	5,49	6,28	7,85
J cm ⁴ /m	13,35	16,06	18,88	24,60
W cm ³ /m	6,43	7,89	9,47	12,76

ELEMENTI GRECATI PER COPERTURE E PARETI/SHEETINGS AND WALLS

EGB 401/D



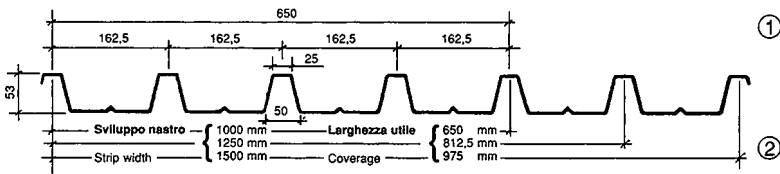
I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE Section Properties				
Spessore Thickness	0,6	0,7	0,8	1,0
Peso Weight Kg/m²	6,42	7,49	8,57	10,72
Peso weight Kg/m				
1000	4,71	5,49	6,28	7,85
1250	5,88	6,86	7,85	9,81
1500	7,06	8,24	9,42	11,77
J cm⁴/m	13,79	16,04	18,31	22,83
W cm³/m	4,75	5,55	6,36	7,98

ELEMENTI GRECATI PER COPERTURE/SHEETINGS

EGB 501/D



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

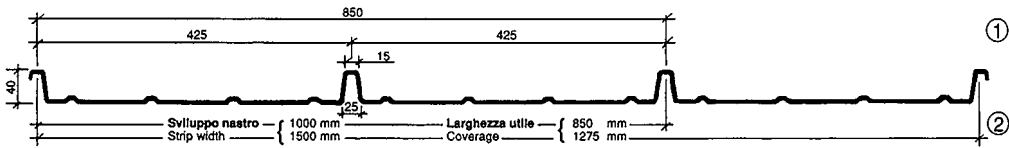
Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE Section properties					
Spessore Thickness	0,6	0,7	0,8	1,0	1,2
Peso Weight Kg/m²	7,25	8,45	9,66	12,07	14,49
Peso Weight kg/m	4,71	5,49	6,28	7,85	9,42
J cm⁴/m	39,28	45,76	52,24	65,00	77,79
W cm³/m	11,40	13,29	15,19	18,92	22,68

CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg/m² (Sovraccarico + peso proprio) / $\delta = 1400$ KG/cm²
Max load capacity Kg/m²

ELEMENTI GRECATI PER COPERTURE/SHEETINGS

EGB 602/D



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

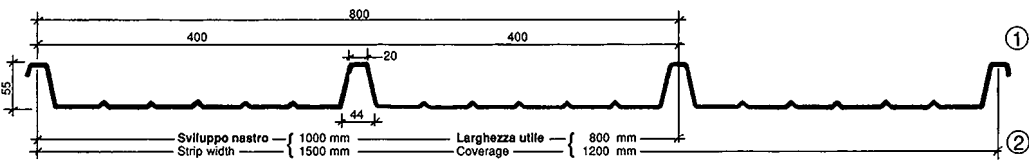
Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE Section properties						
Spessore Thickness		0,6	0,7	0,8	1,0	1,2
Peso weight Kg/m ²		5,54	6,46	7,39	9,23	11,08
Peso Weight kg/m	1000	4,71	5,49	6,28	7,85	9,42
	1500	7,06	8,24	9,42	11,77	14,13
J cm ⁴ /m		8,63	9,98	11,30	13,87	16,34
W cm ³ /m		2,47	2,86	3,24	3,99	4,69

CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg/m² (Sovraccarico + peso proprio) / δ = 1400 KG/cm²
Max load capacity Kg/m²

ELEMENTI GRECATI PER COPERTURE/SHEETINGS

EGB 700/D



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE Section Properties						
Spessore Thickness		0,6	0,7	0,8	1,0	1,2
Peso Weight Kg/m ²		5,88	6,86	7,85	9,81	11,77
Peso weight kg/m	1000	4,71	5,49	6,28	7,85	9,42
	1500	7,06	8,24	9,42	11,77	14,13
J cm ⁴ /m		26,02	30,14	34,20	42,21	50,04
W cm ³ /m		5,80	6,74	7,65	9,48	11,20

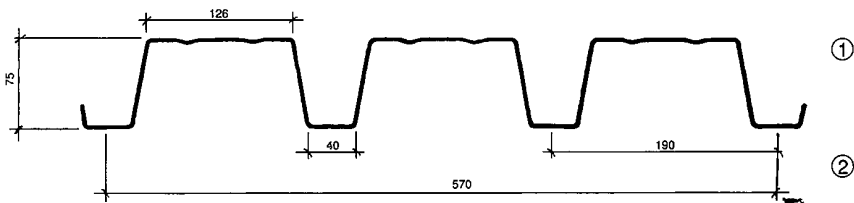
CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg/m² (Sovraccarico + peso proprio) / δ = 1400 KG/cm²
Max load capacity Kg/m²

EGB 1001/D

EGB 210/D



EGB 1200/D



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1.
When not otherwise specified, the prepainted face is 1.

CARATTERISTICHE STATICHE							
Section Properties							
Spessore							
Thickness	0,6	0,7	0,8	1,0	1,2	1,5	
Peso Weight Kg/m ²	8,26	9,64	11,02	13,77	16,53	20,66	
Peso Weight Kg/m	4,71	5,49	6,28	7,85	9,42	11,77	
J cm ⁴ /m	65,18	80,03	94,71	126,23	159,47	207,00	
W cm ³ /m	15,28	18,98	22,96	31,79	39,68	50,92	

CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg/m² PER RESISTENZA $\delta = 1450$ Kg/cm²

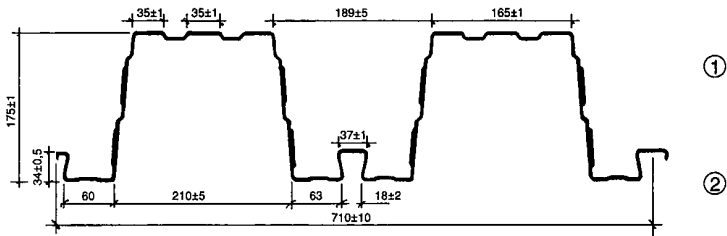
Max load capacity kg/m²

I CARICHI PIÙ ELEVATI NON PREVEDONO LIMITAZIONE DI FRECCIA

Higher loads have no restraints for deflection

ELEMENTI GRECATI PER GRANDI LUCI/SHEETINGS AND FLOORS

EGB 2000



I valori delle portate in grassetto tengono calcolo di una freccia $\leq 1/200$ l – $1/300$ l
Loads in heavy type are calculated with deflection $\leq 1/200$ l – $1/300$ l

Quando non specificato, la preverniciatura avviene sulla faccia 1
When not otherwise specified, the prepainted face is 1

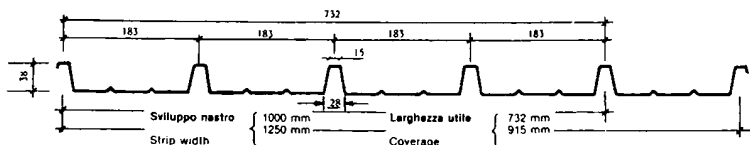
CARATTERISTICHE STATICHE				
Section properties				
Spessore				
Thickness	0,8	1,0	1,2	1,5
Peso Weight Kg/m ²	13,26	16,58	19,90	24,87
Peso Weight Kg/m	9,42	11,77	14,13	17,66
J cm ⁴ /m	809,08	1011,36	1213,64	1517,05
W cm ³ /m	88,80	111,00	133,32	166,50

CARICO MAX UNIFORMEMENTE DISTRIBUITO IN Kg m² PER RESISTENZA $\delta = 1450$ Kg/cm² O FRECCIA $\frac{L}{300}$
Max load capacity kg/m²

I CARICHI PIÙ ELEVATI NON PREVEDONO LIMITAZIONE DI FRECCIA

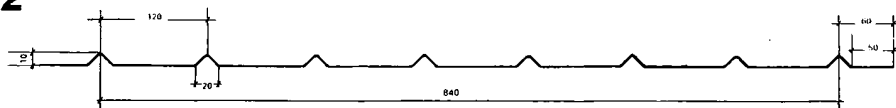
Higher loads have no restraints for deflection

AG 1



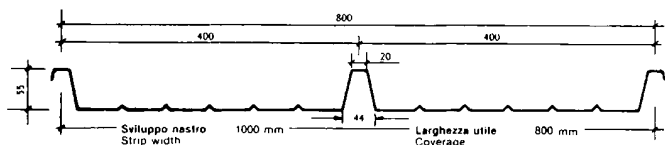
Spessore	mm		0,6	0,7	0,8	1,0
Peso	Kg/m ²		6,42	7,49	8,57	10,72
Peso	kg/m	1000	4,71	5,49	6,28	7,85
		1250	5,88	6,86	7,85	9,81

AG 2



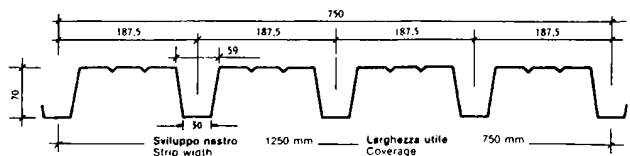
Spessore	mm	0,6	0,7	0,8	1,0	1,2
Peso	Kg/m	4,71	5,49	6,28	7,85	9,36
Peso	Kg/m ²	5,6	6,53	7,47	9,34	11,14

AG 3



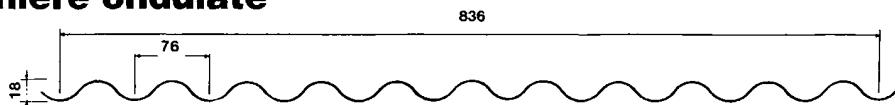
Spessore	mm	0,6	0,7	0,8	1,0	1,2
Peso	Kg/m ²	5,88	6,86	7,85	9,81	11,77
Peso	Kg/m	1000	4,71	5,49	6,28	7,85
						9,42

AG 4



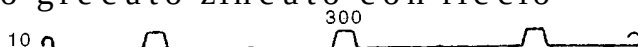
Spessore	mm	0,6	0,7	0,8	1,0	1,2
Peso	Kg/m ²	7,84	9,14	10,46	13,08	15,69
Peso	Kg/m	5,88	6,86	7,85	9,81	11,77

Lamiere ondulate



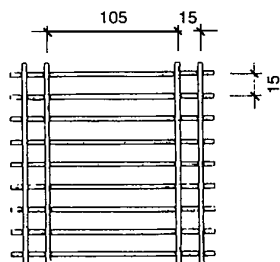
Spessore	mm	0,25	0,28	0,30	0,35	0,40	0,45	0,50	0,60	0,70	0,80
Peso	Kg/m ²	2,200	2,500	2,660	3,050	3,500	4,000	4,400	5,330	6,200	7,700

Elemento grecato zincato con riccio

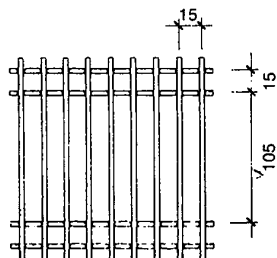


RETI ELETTROSALDATE

MAGLIA TEC

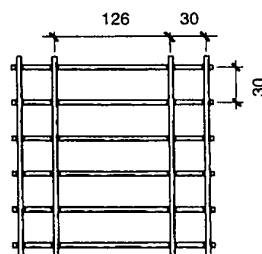


maglia	filo Ø	pannello	art.
tec	2,85	1000.1920	1
tec	2,85	1000.2160	2
tec	2,85	1000.2520	3
tec	2,85	1000.3120	4



maglia	filo Ø	pannello	art.
tec	2,85	1220.2400	5
		rotolo m 52	
tec	2,85	altezza 1220	90
tec	2,85	altezza 1100	91
tec	2,85	altezza 980	92
tec	2,85	altezza 860	93
tec	2,85	altezza 740	94
tec	2,85	altezza 620	95

MAGLIA MC

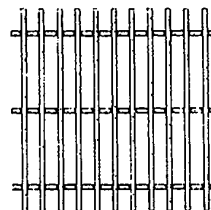


maglia	filo Ø	pannello	art.
mc	2,85	1200.2400	44
mc	4	1200.2400	45

**PROTEZIONI
ANTINFORTUNISTICHE**

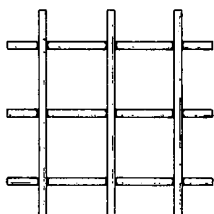
**CONTENITORI
BALCONATE
RECINZIONI**

MAGLIA RT



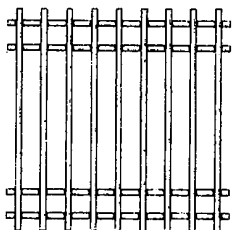
maglia	filo Ø	pannello	art.
60x11	2,85	1200.2400	6

MAGLIA QUADRA



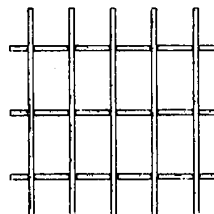
maglia	filo Ø	pannello	art.
30x30	2,85	1200.2400	7
40x40	4	1100.2200	18
50x50	2,85	1200.2400	8
50x50	4	1000.2000	42
50x50	4	1000.3000	43
50x50	4	1200.2400	12
50x50	5	1000.2000	41
50x50	5	1200.2400	15
100x100	4	1200.2400	11
100x100	5	1200.2400	19

INOX MAGLIA TEC AISI 304

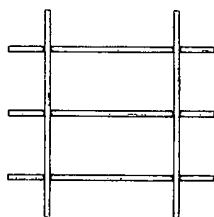


maglia	filo Ø	pannello	art.
tec	2,85	1000.2000	141

MAGLIA RETTANGOLARE

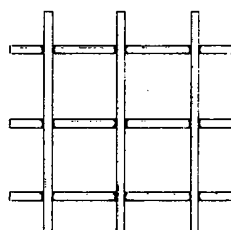


maglia	filo Ø	pannello	art.
50x30	2,85	1200.2400	9
50x30	4	1200.2400	13



maglia	filo Ø	pannello	art.
50x100	2,85	1200.2400	10
50x100	4	1200.2400	14

INOX MAGLIA QUADRA AISI 304



maglia	filo Ø	pannello	art.
40x40	2,85	1000.2000	143
50x50	4	1000.2000	142

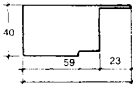
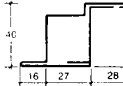
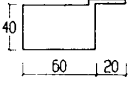
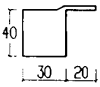
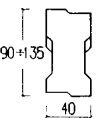
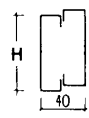
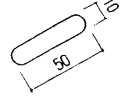
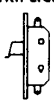
COMPONENTI PER PERSIANE

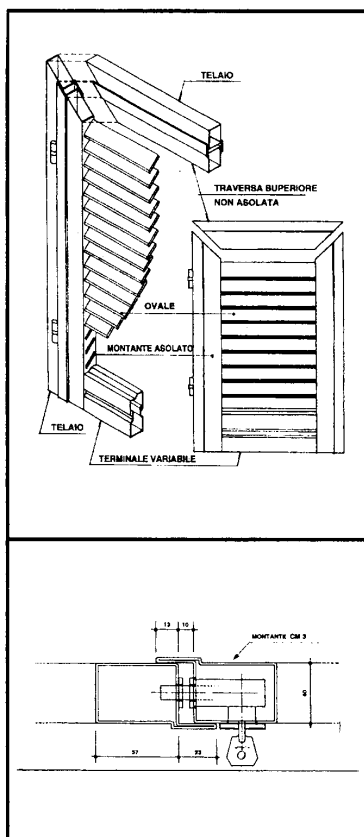
profilati d'acciaio zincato
speciale
per persiane blindate

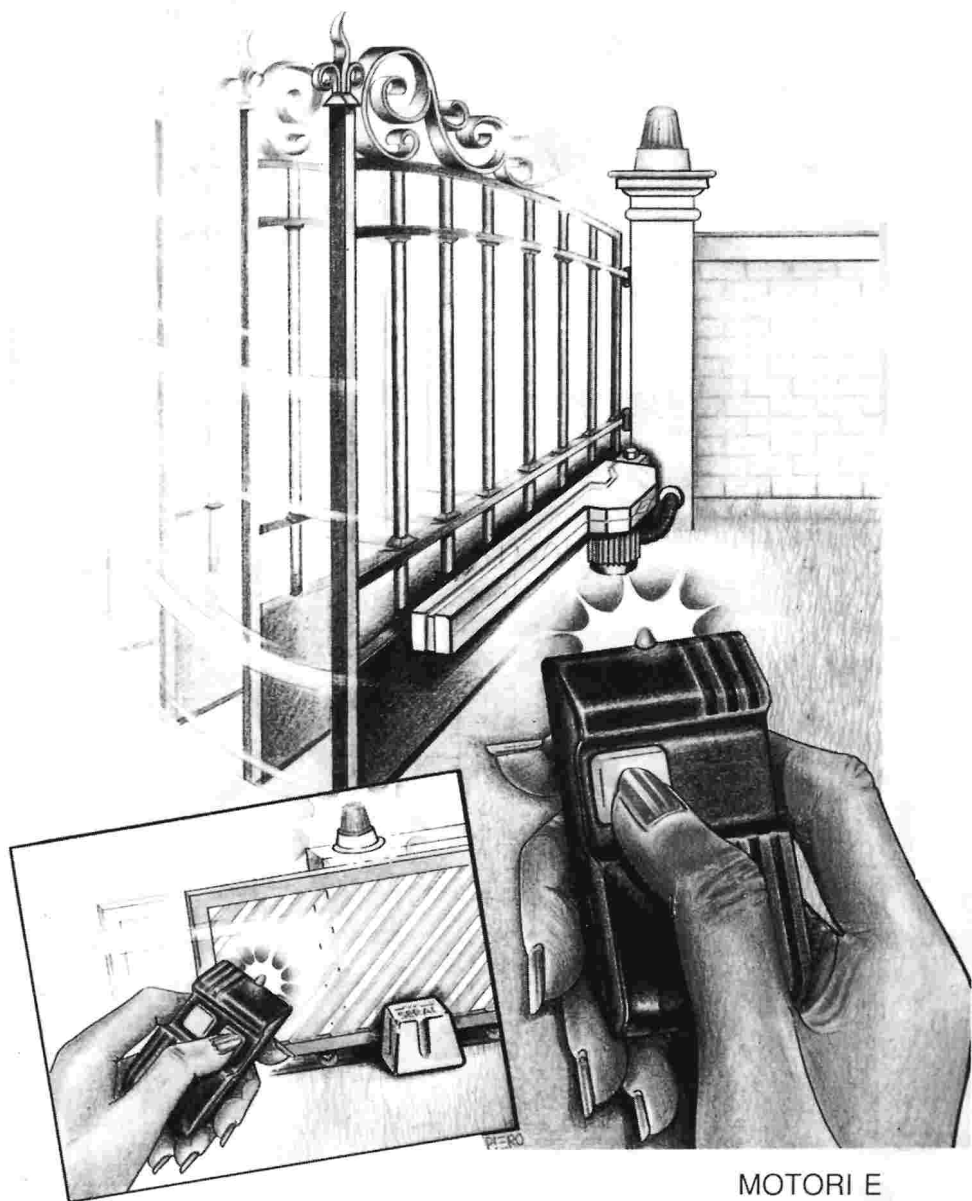


COMPONENTI PER PERSIANE D'ACCIAIO

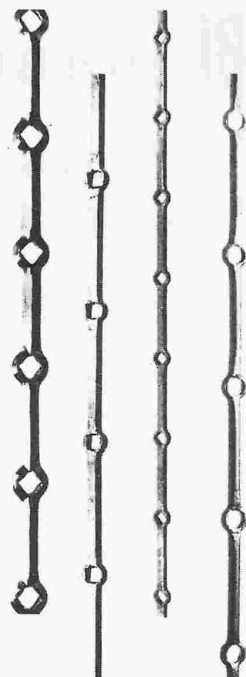
SCHEMA DI MONTAGGIO DI PERSIANE BLINDATE

NOVITÀ  MONTANTE CL. 1 TUBOLARE mm. 59 x 40 BATTENTE mm. 23 SPESSORE mm. 1.5	NOVITÀ  MONTANTE CL. 2 TUBOLARE mm. 27 x 40 BATTENTE mm. 28 SPESSORE mm. 1.5
 MONTANTE SPIGOLI VIVI TUBOLARE mm. 60 x 40 BATTENTE mm. 20 SPESSORE mm. 1.5	
 MONTANTE MINI SUPER TUBOLARE mm. 30 x 40 BATTENTE mm. 20 SPESSORE mm. 1.5	
 TERMINALE VARIABILE SAGONATO da mm. 90 a 135 SPESSORE mm. 1.5 L. mt. 4.00	 FASCIA CENTRALE H mm. 130 H mm. 90 SPESSORE mm. 1.5 L. mt. 4.00
 OVALE TUBOLARE mm. 50 x 10 SPESSORE mm. 1.5 SPESSORE mm. 1.25 SPESSORE mm. 1	SERRATURA TRIPLICE  MANIGLIA DECENTRATA 

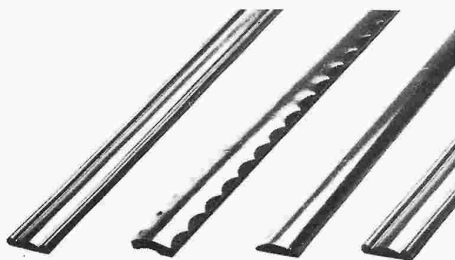
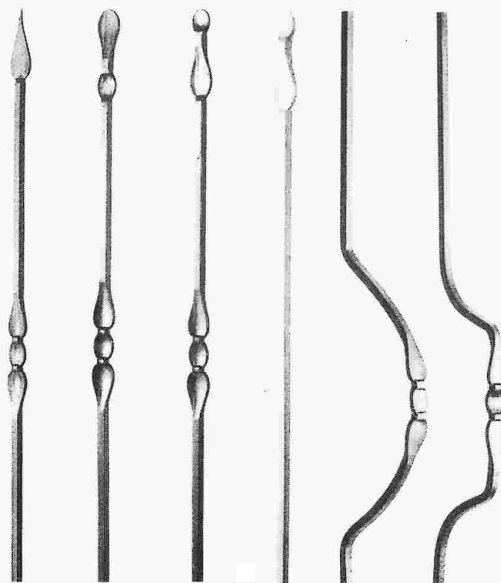


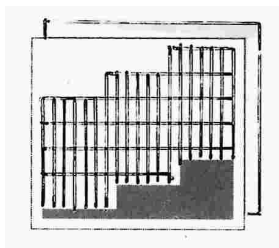


MOTORI E
AUTOMATISMI
PER CANCELLI



**ALCUNI ESEMPI DI FERRO
ORNAMENTALE**





Gradini e scale

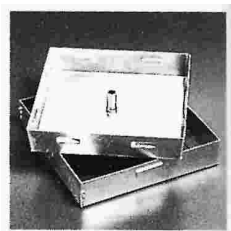
Carpenteria

**GRIGLIATI
ELETTOFORGIATI
E PRESSATI
PER USI CIVILI, INDUSTRIALI,
AGRICOLI, NAVALI.**

Grigliato in placche

Recinzioni e cancelli

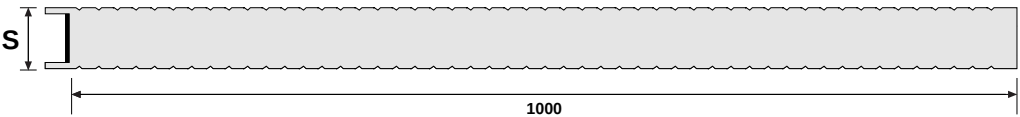
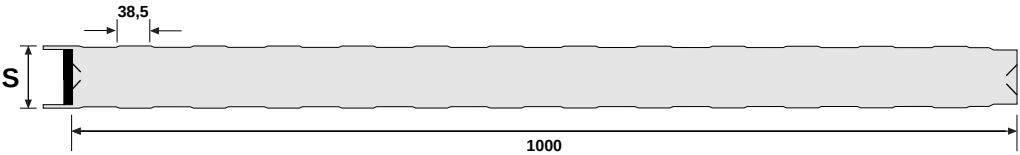
Componenti per l'edilizia



PANNELLI DI LAMIERA COIBENTATA

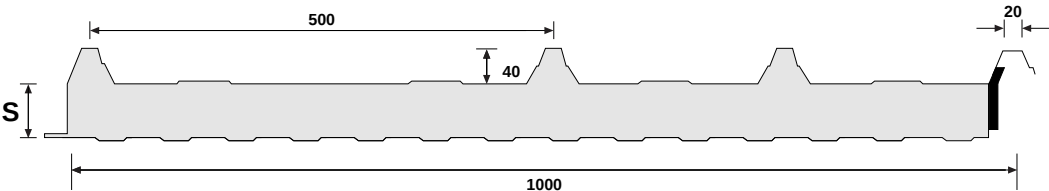
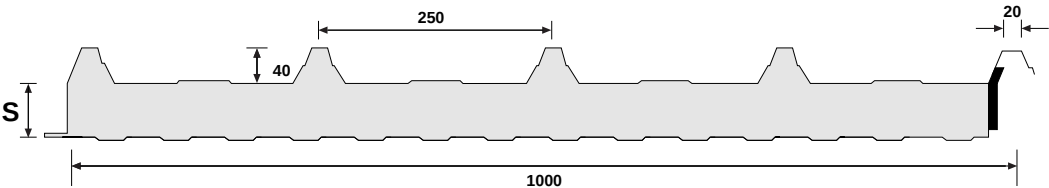
PROGRAMMA DI PRODUZIONE

PARETI



PROGRAMMA DI PRODUZIONE

COPERTURE



[illegible]