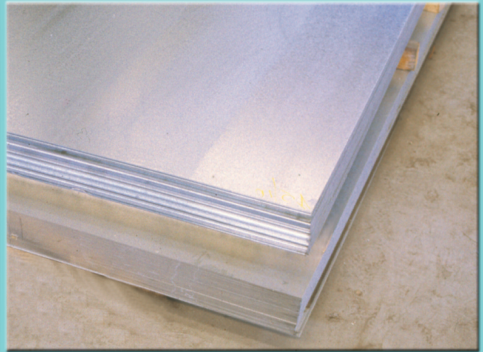
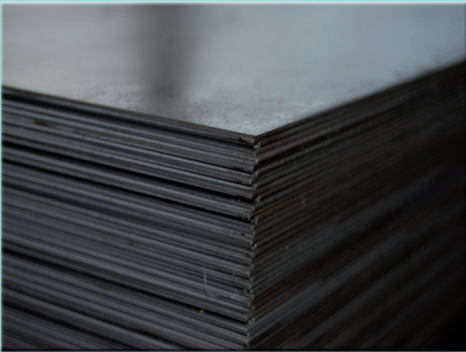
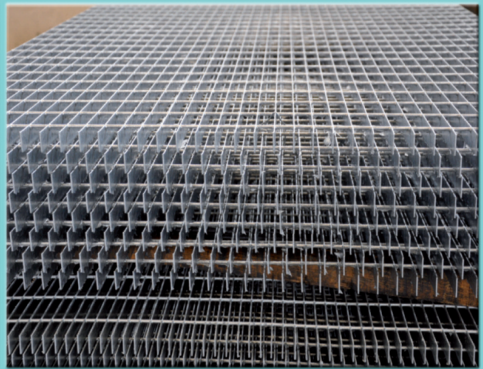
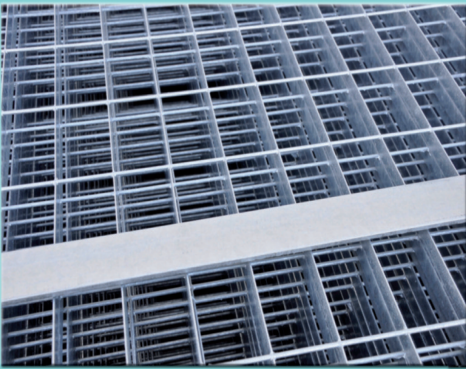


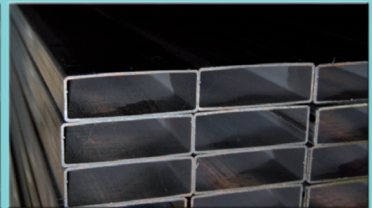
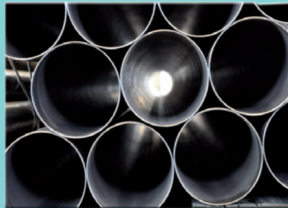
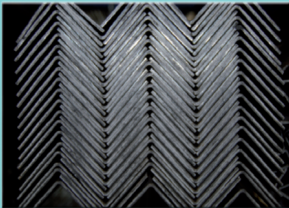
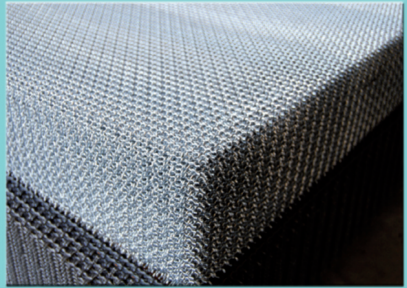
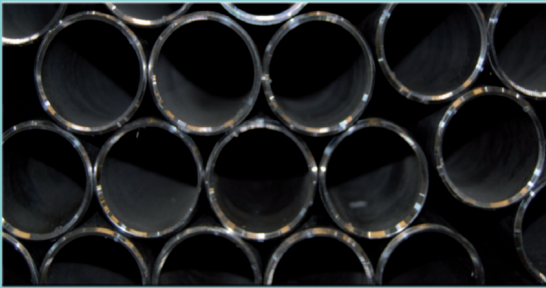
# INDICE

Angolari	6	Profilo a "U"	48
Elle a spigoli vivi	7	Profili angolari	51
Elle a spigoli arrotondati	7	Profili a "L"	52
Piatti	10	Profili a "C"	53
Larghi piatti	13	Omega	55
Barre quadre	14	Profili per pannelli poliuretani	58
Barre tonde	15	Lastre policarbonato alveolare	59
Ferri a "T"	17	Lastre policarbonato compatto	59
Ferri a "U"	17	Pannelli parete	60
Travi IPE - NP	18	Pannelli copertura acciaio	61
Travi "HE"	19	Fintocoppo	62
Tabella delle portate per travi	20	Accessori per portoni	63
Lamiere sottili e medie	24	Qualità degli acciai	64
Lamiere grosse	25	Ferri battuti	65
Lamiere striate e bugnate	26	Profili artistici	67
Lamiere zincate	27	Lance e borchie	69
Lamiere acciaio inox	28	Corrimani e piatti martellati	73
Elementi grecati	29	Reti ondulate	74
Tubi gas	30	Grigliati	75
Tubi senza saldatura (bollitori)	31	Grigliati elettrosaldato	76
Tubi per applicazioni meccaniche	32	Rete elettrosaldato	77
Tubi carpenteria	33	Lamiere forate	78
Tubi tondi	33	Accessori per cancelli e portoni	79
Tubi quadrati	36	Accessori per serramenti	80
Tubi rettangolari	37	Fermi d'arresto	83
Tubolari per serramenti	39	Piastre girevoli per cancelli	84
Tubolari per portoni	42	Copricolonna in ferro	85
Tubolari per mancorrenti	45	Ruote	86
Tubolari a sezioni varie	46	Fermi di fine corsa	86
Tubolari a sezione aperta	46	Piastre e rulli guida	87
Monorotaie e carrelli	47	Guida e carrello in acciaio per portoni	87





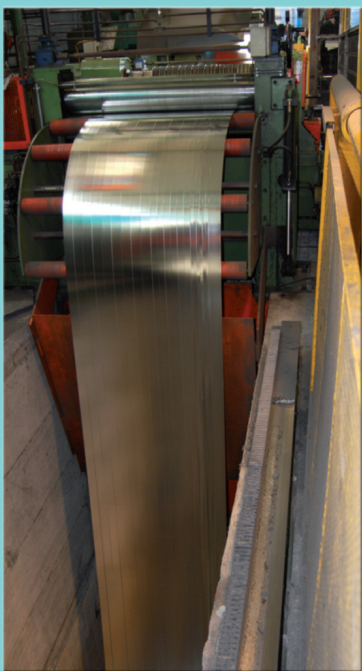
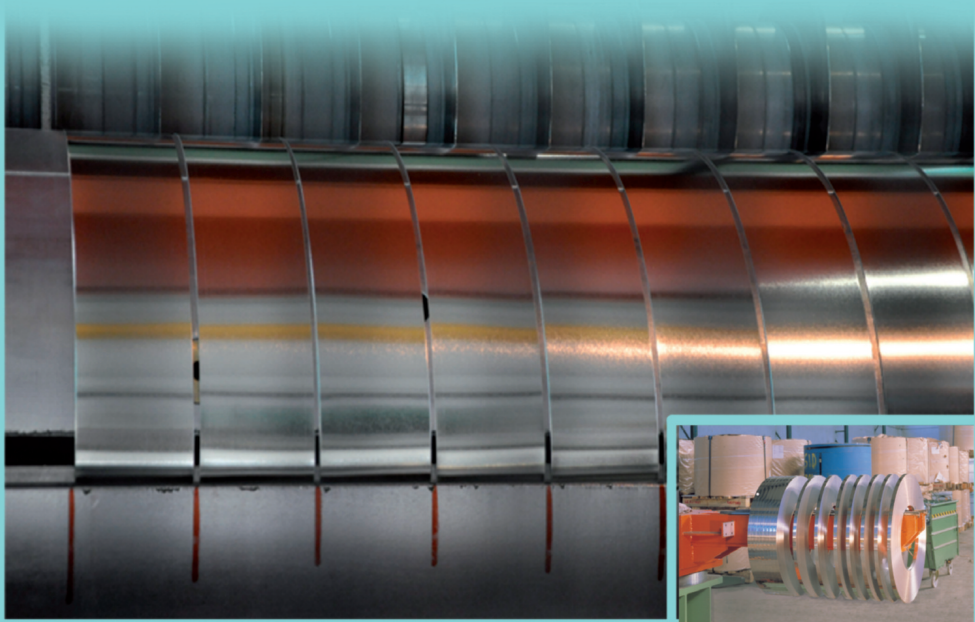
# BARRE E SCATOLATI

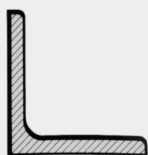


4



# BANDA STAGNATA





# ANGOLARI

## *a spigoli arrotondati*

UNI 5783-66

MISURA mm.	PESO kg./m.
<b>15x15x</b>	
3	0,64
<b>20x20 x</b>	
3	0,88
4	1,14
<b>25x25x</b>	
3	1,12
4	1,46
5	1,78
<b>30x30x</b>	
3	1,36
4	1,78
5	2,18
6	2,58
<b>35x35x</b>	
4	2,09
5	2,57
6	3,04
<b>40x40x</b>	
3	1,85
4	2,42
5	2,97
6	3,52
<b>45x45x</b>	
4	2,74
5	3,38
6	4,00
<b>50x50x</b>	
4	3,06
5	3,77
6	4,47
7	5,15
8	5,82

MISURA mm.	PESO kg./m.
<b>60x60 x</b>	
4	4,18
5	4,57
6	5,42
7	6,24
8	7,09
10	8,69
<b>70x70x</b>	
6	6,38
7	7,38
8	8,36
9	9,34
<b>80x80x</b>	
6	7,35
8	9,66
10	11,90
12	14,10
<b>90x90x</b>	
8	10,90
9	12,20
11	14,70
12	15,90
<b>100x100x</b>	
8	12,20
9	13,60
10	15,10
12	17,80
14	20,60
<b>120x120x</b>	
10	18,20
11	19,90
12	21,60
13	23,30
14	25,00
15	26,60

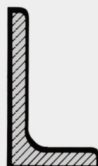
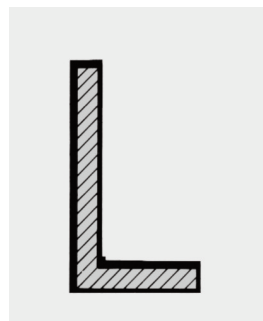
MISURA mm.	PESO kg./m.
<b>130x130x</b>	
12	23,60
14	27,20
16	30,90
<b>140x140x</b>	
10	21,67
12	25,40
13	27,50
14	29,45
15	31,40
<b>150x150x</b>	
10	23,10
12	27,20
13	29,40
14	31,60
15	33,80
16	35,90
18	40,10
<b>160x160x</b>	
15	36,20
<b>180x180x</b>	
16	43,50
18	48,60
20	53,90
<b>200x200x</b>	
16	48,50
18	54,30
20	59,90

# ELLE

*a spigoli vivi*

UNI 738

MISURA mm.	PESO kg./m.
<b>20x12x</b>	
4	0,88
<b>25x15 x</b>	
4,5	1,25
<b>30x17,5x</b>	
5	1,67
<b>35x20x</b>	
5,5	2,14
<b>40x22x</b>	
6	2,64



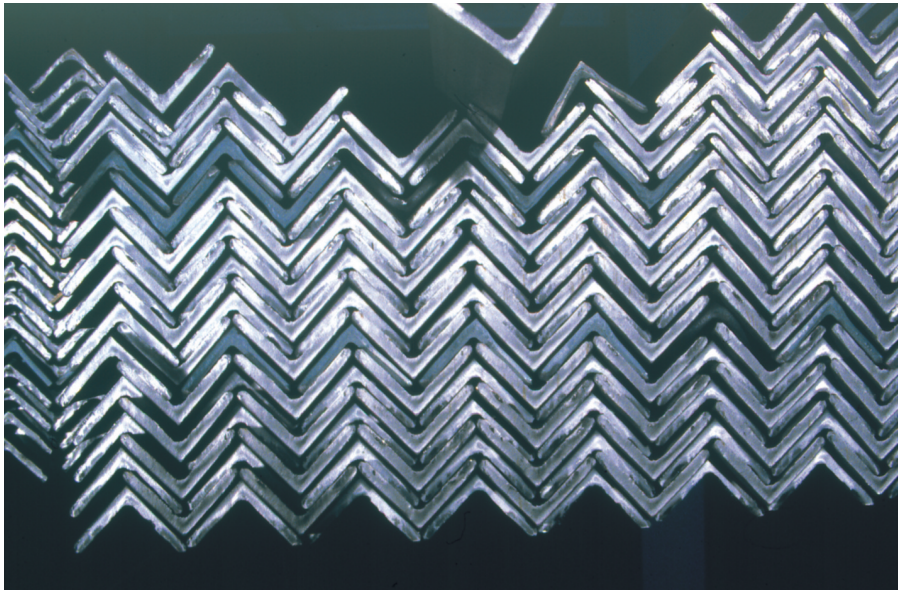
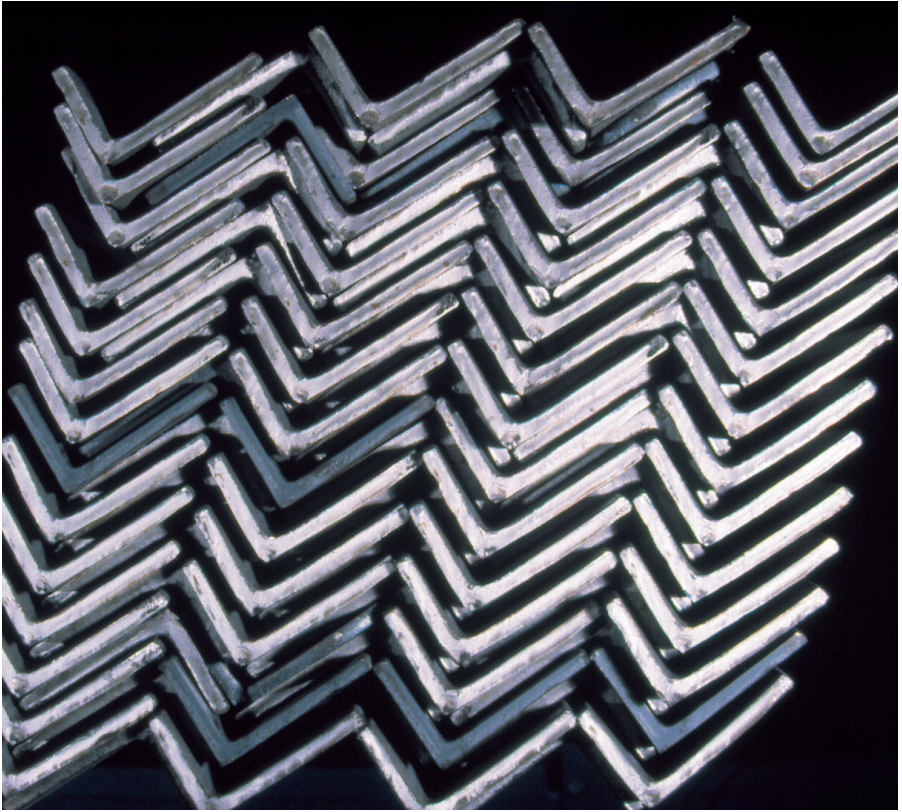
# ELLE

*a spigoli arrotondati*

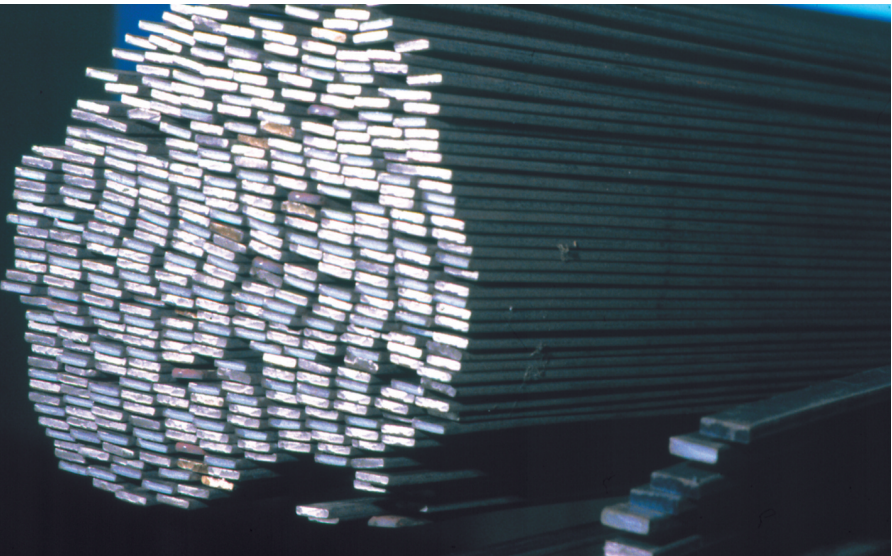
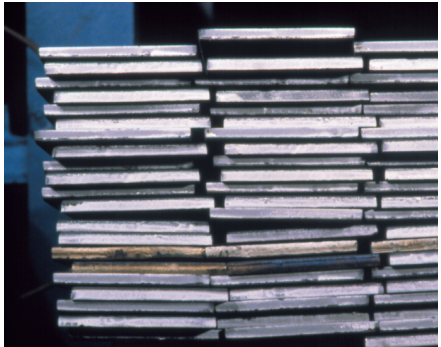
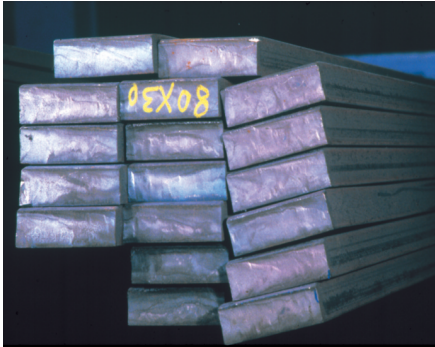
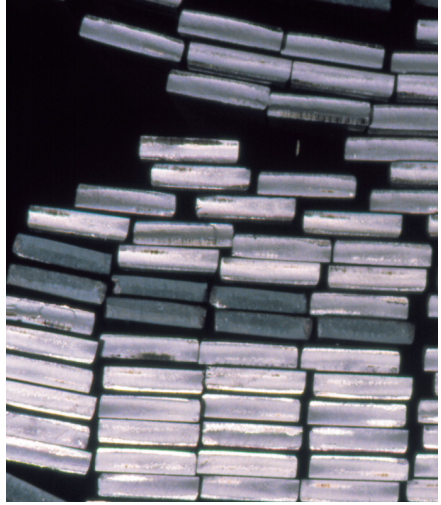
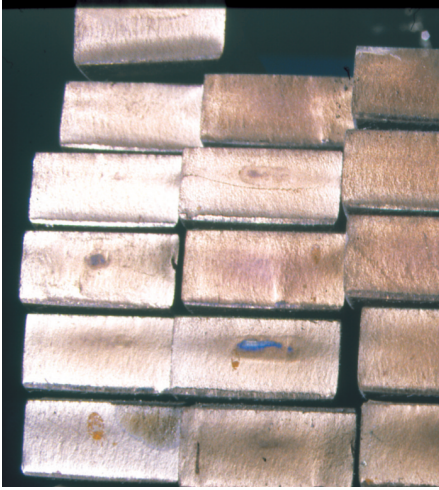
UNI 5784-66

MISURA mm.	PESO kg./m.
<b>30x20x</b>	
3	1,14
4	1,46
5	1,78
<b>35x20x</b>	
4	1,61
5	1,97
<b>40x20x</b>	
4	1,77
5	2,17
<b>40x25x</b>	
4	1,93
5	2,37
<b>45x30x</b>	
4	2,25
5	2,77
6	3,27
<b>50x30x</b>	
4	2,42
5	2,96
6	3,51
<b>60x30x</b>	
5	3,37
6	3,99
7	4,59
<b>60x40x</b>	
5	3,76
6	4,46
7	5,14
<b>70x50x</b>	
6	5,05
<b>75x50x</b>	
6	5,65
7	6,53
9	8,22
<b>80x40x</b>	
6	5,41
7	6,25
8	7,07

MISURA mm.	PESO kg./m.
<b>80x60x</b>	
7	7,36
8	8,34
10	10,20
<b>100x50x</b>	
6	6,88
8	8,99
10	11,10
<b>100x65x</b>	
7	8,77
9	11,10
10	12,30
11	13,40
<b>120x60x</b>	
8	10,90
10	13,40
<b>120x80x</b>	
8	12,20
10	15,00
12	17,80
14	20,50
<b>130x65x</b>	
8	11,90
10	14,60
12	17,30
<b>150x100x</b>	
8	16,00
10	19,30
12	22,60
14	26,10
<b>160x80x</b>	
10	18,00
<b>200x100x</b>	
10	23,00
12	27,30
14	31,60
16	35,90

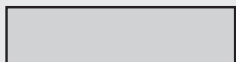






# PIATTI

UNI 6014-67



10

MISURA mm.	PESO kg./m.
---------------	----------------

## 10x

3	0,236
4	0,314
5	0,393
6	0,471

## 12x

3	0,283
4	0,377
5	0,471
6	0,565
8	0,754

## 14x

3	0,330
4	0,440
5	0,550
6	0,659
8	0,879

## 15x

3	0,353
4	0,471
5	0,589
6	0,706
8	0,942
10	1,170

MISURA mm.	PESO kg./m.
---------------	----------------

## 16x

3	0,377
4	0,502
5	0,628
6	0,754
8	1,000
10	1,260

## 18x

3	0,424
4	0,565
5	0,707
6	0,848
8	1,130
10	1,410

## 20x

3	0,471
4	0,628
5	0,785
6	0,942
8	1,260
10	1,570
12	1,880
15	2,360

## 25x

3	0,589
4	0,785
5	0,981
6	1,180
8	1,570
10	1,962
12	2,360
15	2,940

MISURA mm.	PESO kg./m.
---------------	----------------

## 30 x

3	0,707
4	0,942
5	1,180
6	1,410
8	1,880
10	2,360
12	2,830
15	3,530
20	4,710

## 35x

3	0,824
4	1,100
5	1,370
6	1,650
8	2,200
10	2,750
12	3,300
15	4,120
20	5,500

## 40x

3	0,942
4	1,260
5	1,570
6	1,880
8	2,510
10	3,140
12	3,770
15	4,710
20	6,280
25	7,850
30	9,42

## PIATTI - UNI 6014-67

MISURA mm.	PESO kg./m.	MISURA mm.	PESO kg./m.	MISURA mm.	PESO kg./m.
<b>45x</b>		<b>70x</b>		<b>100x</b>	
3	1,60	4	2,20	5	3,92
4	1,41	5	2,75	6	4,71
5	1,77	6	3,30	8	6,28
6	2,12	8	4,40	10	7,85
8	2,83	10	5,50	12	9,42
10	3,53	12	6,59	15	11,80
12	4,24	15	8,24	20	15,70
15	5,30	20	11,00	25	19,60
20	7,09	25	13,70	30	23,60
25	8,83	30	16,50	40	31,40
<b>50x</b>		40	22,00	50	39,25
3	1,18	50	27,50	<b>110x</b>	
4	1,57	<b>75x</b>		5	4,32
5	1,96	6	3,53	6	5,18
6	2,36	<b>80x</b>		8	6,91
8	3,14	4	2,51	10	8,64
10	3,93	5	3,14	12	10,40
12	4,71	6	3,77	15	13,00
15	5,89	8	5,02	20	17,30
20	7,85	10	6,28	25	21,60
25	9,81	12	7,54	30	25,90
30	11,80	15	9,42	40	34,50
40	15,70	20	12,60	50	43,20
<b>60x</b>		25	15,70	<b>120x</b>	
3	1,42	30	18,80	4	3,80
4	1,88	40	25,10	5	4,71
5	2,36	50	31,40	6	5,65
6	2,83	<b>90x</b>		8	7,54
8	3,77	5	3,53	10	9,42
10	4,71	6	4,24	12	11,30
12	5,65	8	5,65	15	14,10
15	7,07	10	7,07	20	18,80
20	9,42	12	8,48	25	23,60
25	11,80	15	10,60	30	28,30
30	14,10	20	14,10	40	37,70
40	18,80	25	17,70	50	47,10
		30	21,20		
		40	28,30		
		50	35,30		

## PIATTI - UNI 6014-67

MISURA mm.	PESO kg./m.	MISURA mm.	PESO kg./m.	MISURA mm.	PESO kg./m.
<b>130x</b>		<b>140x</b>		<b>150x</b>	
5	5,10	5	5,50	5	5,89
6	6,12	6	6,60	6	7,06
8	8,16	8	8,79	8	9,42
10	10,20	10	11,00	10	11,80
12	12,20	12	13,20	12	14,10
15	15,30	15	16,50	15	17,70
20	20,40	20	22,00	20	23,60
25	25,50	25	27,50	25	29,40
30	30,60	30	33,00	30	35,30
40	40,80	40	44,00	40	47,10
50	51,00	50	55,00	50	58,90
				60	70,70



# LARGHI PIATTI



MISURA mm.	PESO kg./m.
---------------	----------------

## 160x

5	6,28
6	7,54
8	10,00
10	12,60
12	15,10
15	18,80
20	25,10
25	31,40
30	37,70

## 180x

5	7,06
6	8,48
8	11,30
10	14,10
12	17,00
15	21,20
20	28,30
25	35,30
30	42,40

MISURA mm.	PESO kg./m.
---------------	----------------

## 200x

5	7,85
6	9,42
8	12,60
10	15,70
12	18,80
15	23,60
20	31,40
25	39,20
30	47,10
40	62,80

## 220x

8	13,80
10	17,60
12	21,00
15	26,50
20	35,20
25	44,00
30	53,00

MISURA mm.	PESO kg./m.
---------------	----------------

## 250x

8	16,00
10	20,00
12	24,00
15	30,00
20	40,00
25	50,00
30	60,00

## 300x

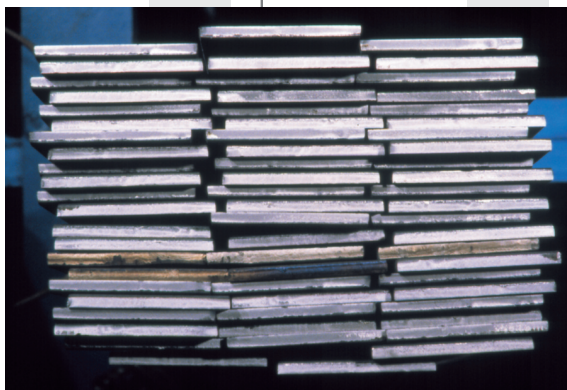
8	18,80
10	24,00
12	28,80
15	36,00
20	48,00
25	60,00
30	70,60
40	96,00

## 350x

20	54,60
----	-------

## 400x

15	46,80
20	66,70



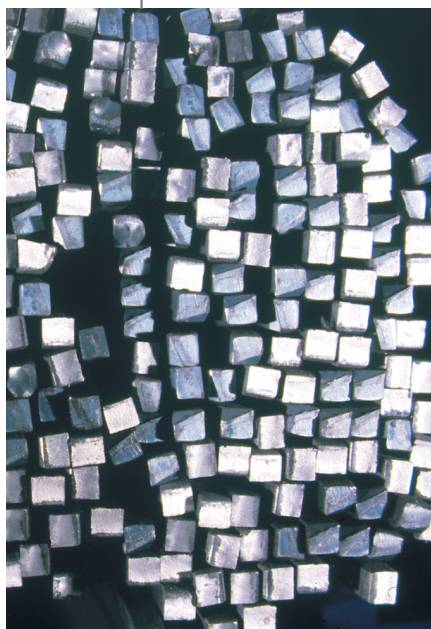
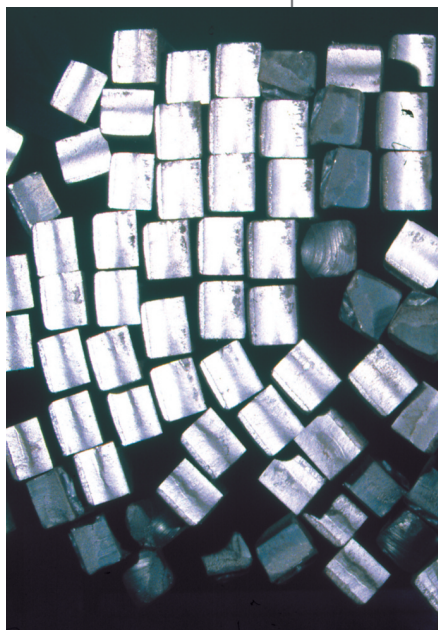


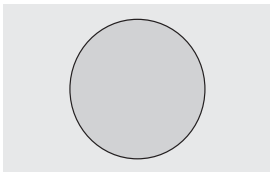
# BARRE QUADRE

UNI 6013-67

MISURA LATO mm.	PESO kg./m.	MISURA LATO mm.	PESO kg./m.	MISURA LATO mm.	PESO kg./m.
5	0,196	20	3,140	60	28,300
6	0,283	22	3,800	70	38,500
8	0,502	25	4,910	80	50,200
10	0,785	30	7,070	90	63,600
12	1,130	35	9,620	100	78,500
14	1,540	40	12,600	110	95,000
15	1,770	45	15,900	120	113,000
16	2,010	50	19,600	150	177,000
18	2,540	55	23,700		

14

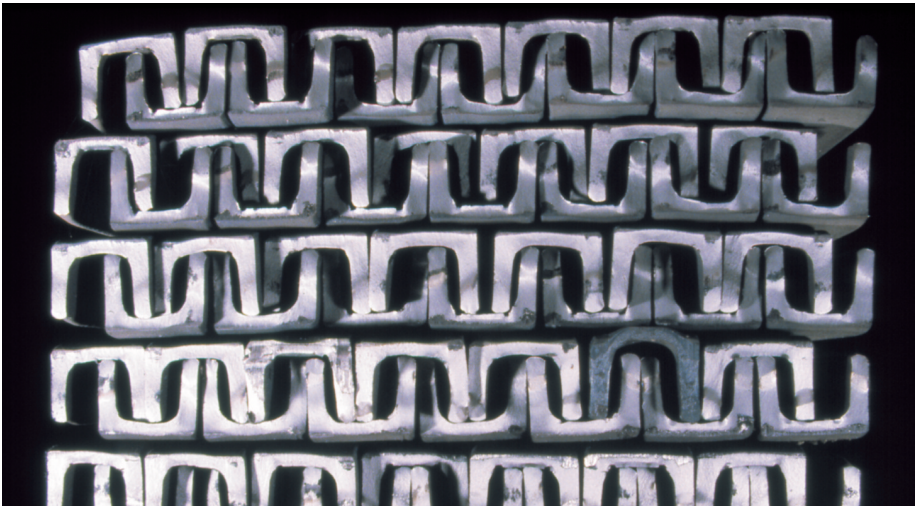
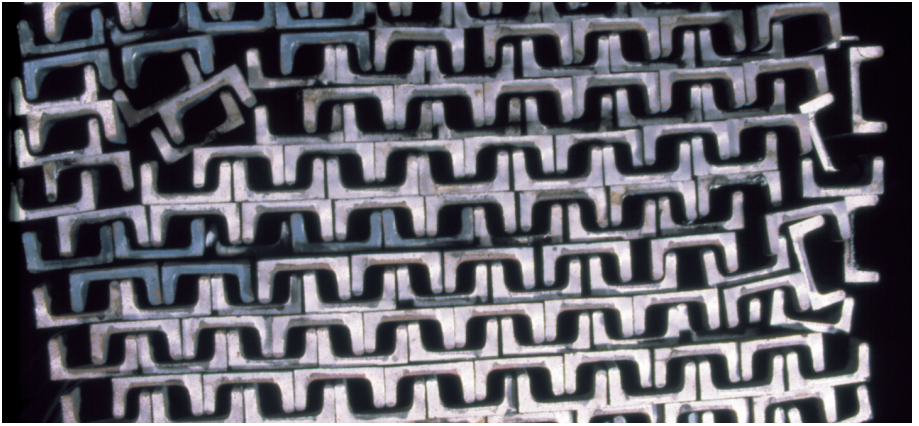




# BARRE TONDE

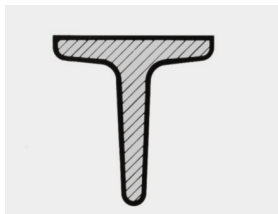
UNI 6012-67

DIAMETRO mm.	PESO kg./m.	DIAMETRO mm.	PESO kg./m.	DIAMETRO mm.	PESO kg./m.
3	0,055	28	4,83	115	81,50
4	0,099	30	5,55	120	88,80
5	0,154	32	6,31	125	96,30
6	0,222	35	7,55	130	104
7	0,302	36	7,99	135	112
8	0,395	40	9,86	140	121
9	0,499	45	12,50	145	130
10	0,617	50	15,40	150	139
11	0,749	55	18,70	155	148
12	0,888	60	22,30	160	158
13	1,04	65	26,00	170	178
14	1,21	70	30,20	180	200
15	1,39	75	34,70	190	223
16	1,58	80	39,50	200	247
18	2,00	85	44,50	220	289
20	2,47	90	49,90	230	327
22	2,98	95	55,60	240	356
24	3,55	100	61,60	250	386
25	3,85	105	68,00		
26	4,17	110	74,60		





## PROFILATI A "T"

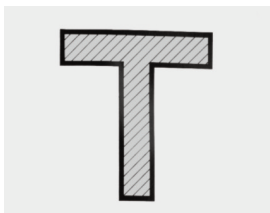


**DIMENSIONI**  
mm.

**PESO**  
kg./m.

### a spigoli arrotondati - UNI 5785-66

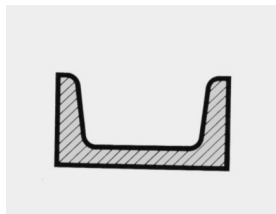
60 x 60 x 7	6,23
70 x 70 x 8	8,32
80 x 80 x 9	10,70
100 x 100 x 11	16,40



### a spigoli vivi - UNI 5681-65

20 x 20 x 4	1,13
25 x 25 x 4,5	1,61
30 x 30 x 5	2,16
35 x 35 x 5,5	2,78
40 x 40 x 6	3,49
45 x 45 x 6,5	4,26
50 x 50 x 7	5,11
60 x 60 x 8	7,03
70 x 70 x 9	9,26
80 x 80 x 10	11,90

## FERRI A "U"



**DIMENSIONI**  
mm.

**PESO**  
kg./m.

### serie normale - UNI 5680-65

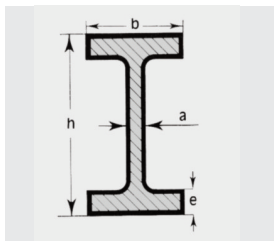
30 x 33 x 5	4,27
40 x 35 x 5	4,88
50 x 38 x 5	5,59
65 x 42 x 5,5	7,09
80 x 45 x 6	8,65
100 x 50 x 6	10,60
120 x 55 x 7	13,30
140 x 60 x 7	16,00
160 x 65 x 7,5	18,90
180 x 70 x 8	22,00
200 x 75 x 8,5	25,30
220 x 80 x 9	29,40
240 x 85 x 9,5	33,20
260 x 90 x 10	37,90
280 x 95 x 10	41,90
300 x 100 x 10	46,10
400 x 110 x 18	71,80

### serie speciale - UNI 5786-66

25 x 12 x 4	1,30
30 x 15 x 5	1,98
35 x 17 x 4	2,15
35 x 17 x 5,5	2,52
40 x 20 x 5	2,87
40 x 20 x 6	3,23
50 x 25 x 6	4,15
60 x 30 x 6,5	5,45

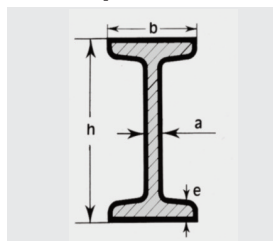
# TRAVI

## IPE - UNI 5398-64

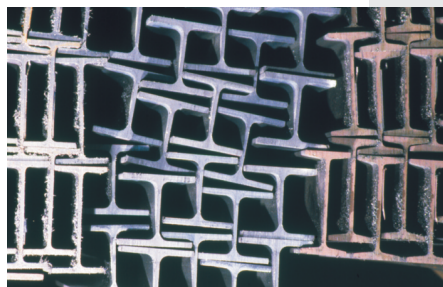


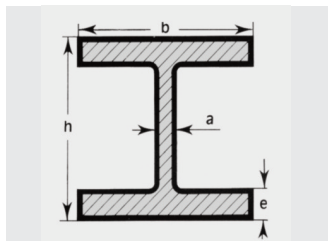
DIMENSIONI mm.				PESO kg./m.
h	b	a	e	
80 X	46	x 3,8	x 5,2	6,0
100 X	55	x 4,1	x 5,7	8,1
120 X	64	x 4,4	x 6,3	10,4
140 X	73	x 4,7	x 6,9	12,9
160 X	82	x 5	x 7,4	15,8
180 X	91	x 5,3	x 8	18,8
200 X	100	x 5,6	x 8,5	22,4
220 X	110	x 5,9	x 9,2	26,2
240 X	120	x 6,2	x 9,8	30,7
270 X	135	x 6,6	x 10,2	36,1
300 X	150	x 7,1	x 10,7	42,2
330 X	160	x 7,5	x 11,5	49,1
360 X	170	x 8	x 12,7	57,1
400 X	180	x 8,6	x 13,5	66,3
450 X	190	x 9,4	x 14,6	77,6
500 X	200	x 10,2	x 16	90,7
550 X	210	x 11,1	x 17,2	106,0
600 X	220	x 12	x 19	122,0

## Normali profilo NP - UNI 5679-65



DIMENSIONI mm.				PESO kg./m.
h	b	a	e	
80 X	42	x 3,9	x 5,9	5,94
100 X	50	x 4,5	x 6,8	8,34
120 X	58	x 5,1	x 7,7	11,10
140 X	66	x 5,7	x 8,6	14,30
160 X	74	x 6,3	x 9,5	17,90
180 X	82	x 6,9	x 10,4	21,90
200 X	90	x 7,5	x 11,3	26,20
220 X	98	x 8,1	x 12,2	31,00
240 X	106	x 8,7	x 13,1	36,20
260 X	113	x 9,4	x 14,1	41,90
280 X	119	x 10,1	x 15,2	47,90
300 X	125	x 10,8	x 16,2	54,20
320 X	131	x 11,5	x 17,3	61,00
340 X	137	x 12,2	x 18,3	68,00
360 X	143	x 13	x 19,5	76,10
380 X	149	x 13,7	x 20,5	84,00
400 X	155	x 14,4	x 21,6	92,50
450 X	170	x 16,2	x 24,3	115,00
500 X	185	x 18	x 27	141,00
550 X	200	x 19	x 30	166,00
600 X	215	x 21,6	x 32,4	199,00





# TRAVI "HE"

*ad ali larghe parallele - UNI 5397-64*

**A** = serie alleggerita    **B** = serie normale

**M** = serie rinforzata

	DIMENSIONI mm.				PESO kg./m.
	h	b	a	e	
<b>100 A</b>	96	100	5,0	8,0	16,7
<b>B</b>	100	100	6,0	10,0	20,4
<b>M</b>	120	106	12,0	20,0	41,8
<b>120 A</b>	114	120	5,0	8,0	19,9
<b>B</b>	120	120	6,5	11,0	26,7
<b>M</b>	140	126	12,5	21,0	52,1
<b>140 A</b>	133	140	5,5	8,5	24,7
<b>B</b>	140	140	7,0	12,0	33,7
<b>M</b>	160	146	13,0	22,0	63,2
<b>160 A</b>	152	160	6,0	9,0	30,4
<b>B</b>	160	160	8,0	13,0	42,6
<b>M</b>	180	166	14,0	23,0	76,2
<b>180 A</b>	171	180	6,0	9,5	35,5
<b>B</b>	180	180	8,5	14,0	51,2
<b>M</b>	200	186	14,5	24,0	88,9
<b>200 A</b>	190	200	6,5	10,0	42,3
<b>B</b>	200	200	9,0	15,0	61,3
<b>M</b>	220	206	15,0	25,0	103,0
<b>220 A</b>	210	220	7,0	11,0	50,5
<b>B</b>	220	220	9,5	16,0	71,5
<b>M</b>	240	226	15,5	26,0	117,0
<b>240 A</b>	230	240	7,5	12,0	60,3
<b>B</b>	240	240	10,0	17,0	83,2
<b>M</b>	270	248	18,0	32,0	157,0
<b>260 A</b>	250	260	7,5	12,5	68,2
<b>B</b>	260	260	10,0	17,5	93,0
<b>M</b>	290	268	18,0	32,5	172,0

	DIMENSIONI mm.				PESO kg./m.
	h	b	a	e	
<b>280 A</b>	270	280	8,0	13,0	76,4
<b>B</b>	280	280	10,5	18,0	103,0
<b>M</b>	310	288	18,5	33,0	189,0
<b>300 A</b>	290	300	8,5	14,0	88,3
<b>B</b>	300	300	11,0	19,0	117,0
<b>M</b>	340	310	21,0	39,0	238,0
<b>320 A</b>	310	300	9,0	15,5	97,6
<b>B</b>	320	300	11,5	20,5	127,0
<b>M</b>	359	309	21,0	40,0	245,0
<b>340 A</b>	330	300	9,5	16,5	105,0
<b>B</b>	340	300	12,0	21,5	134,0
<b>M</b>	377	309	21,0	40,0	248,0
<b>360 A</b>	350	300	10,0	17,5	112,0
<b>B</b>	360	300	12,5	22,5	142,0
<b>M</b>	395	308	21,0	40,0	250,0
<b>400 A</b>	390	300	11,0	19,0	125,0
<b>B</b>	400	300	13,5	24,0	155,0
<b>M</b>	432	307	21,0	40,0	256,0
<b>450 A</b>	440	300	11,5	21,0	140,0
<b>B</b>	450	300	14,0	26,0	171,0
<b>M</b>	478	307	21,0	40,0	263,0
<b>500 A</b>	490	300	12,0	23,0	155,0
<b>B</b>	500	300	14,5	28,0	187,0
<b>M</b>	524	306	21,0	40,0	270,0
<b>600 A</b>	590	300	13,0	25,0	178,0
<b>B</b>	600	300	15,5	30,0	212,0
<b>M</b>	620	305	21,0	40,0	285,0

# TABELLA DELLE PORTATE PER TRAVI

\* Carichi utili in chilogrammi riferiti a distanza appoggi in metri

altezza h	NP	IPE	HEA	HEB
<b>80</b>	800	825	-	-
<b>100</b>	1.065	1.222	3.064	3.778
<b>120</b>	1.710	2.230	4.463	6.063
<b>140</b>	2.570	3.259	6.539	9.114
<b>160</b>	3.690	4.603	9.295	13.141
<b>180</b>	5.085	6.173	12.437	18.022
<b>200</b>	6.765	8.210	16.470	24.135
<b>220</b>	8.800	10.673	21.821	31.187
<b>240</b>	11.185	13.732	28.618	39.770
<b>260</b>	13.985	-	35.464	48.786
<b>270</b>	-	18.195	-	-
<b>280</b>	17.164	-	42.863	58.569
<b>300</b>	20.700	23.638	53.493	71.327
<b>330</b>	-	30.274	-	-
<b>400</b>	-	49.294	98.182	122.412
<b>500</b>	-	82.074	150.997	182.474
<b>600</b>	-	130.620	203.834	242.558

**3**  
\*

altezza h	NP	IPE	HEA	HEB
<b>80</b>	590	616	-	-
<b>100</b>	785	1.062	2.269	2.798
<b>120</b>	1.260	1.654	3.312	4.501
<b>140</b>	1.905	2.422	4.861	6.777
<b>160</b>	2.735	3.425	6.918	9.781
<b>180</b>	3.775	4.597	9.265	13.427
<b>200</b>	5.030	6.118	12.278	17.994
<b>220</b>	6.545	7.959	16.277	23.265
<b>240</b>	8.325	10.240	21.358	29.682
<b>260</b>	10.415	-	26.478	36.427
<b>270</b>	-	13.583	-	-
<b>280</b>	12.790	-	32.013	43.747
<b>300</b>	15.430	17.655	39.965	53.290
<b>330</b>	-	20.060	-	-
<b>400</b>	34.690	36.855	73.418	91.568
<b>500</b>	-	61.397	112.977	136.528
<b>600</b>	-	97.752	152.564	181.547

**4**  
\*

**20**

<b>80</b>	467	482	-	-
<b>100</b>	610	835	1.785	2.202
<b>120</b>	990	1.309	2.614	3.553
<b>140</b>	1.495	1.914	3.844	5.361
<b>160</b>	2.155	2.711	5.480	7.748
<b>180</b>	2.980	3.643	7.348	10.649
<b>200</b>	3.975	4.854	9.746	14.285
<b>220</b>	5.180	6.320	12.931	18.483
<b>240</b>	6.595	8.141	16.978	23.596
<b>260</b>	8.255	-	21.060	28.974
<b>270</b>	-	10.802	-	-
<b>280</b>	10.145	-	25.473	34.812
<b>300</b>	12.245	14.048	31.813	42.422
<b>330</b>	-	18.007	-	-
<b>400</b>	27.585	29.364	58.509	72.951
<b>500</b>	52.015	48.954	90.102	108.886
<b>600</b>	87.820	77.982	121.731	144.856

**5**  
\*

<b>100</b>	495	681	1.457	1.797
<b>120</b>	805	1.068	2.142	2.911
<b>140</b>	1.220	1.571	3.158	4.405
<b>160</b>	1.760	2.230	4.511	6.379
<b>180</b>	2.440	3.002	6.059	8.780
<b>200</b>	3.265	4.004	8.044	11.792
<b>220</b>	4.260	5.219	10.683	15.272
<b>240</b>	5.430	6.728	14.037	19.511
<b>260</b>	6.800	-	17.425	23.974
<b>270</b>	-	8.935	-	-
<b>280</b>	8.365	-	21.087	28.821
<b>300</b>	10.105	11.629	26.349	35.137
<b>330</b>	-	14.916	-	-
<b>400</b>	22.820	24.350	48.528	60.508
<b>500</b>	43.090	40.629	74.801	90.395
<b>600</b>	72.820	64.761	101.116	120.325

**6**  
\*

## Carichi uniformemente distribuiti e trave semplicemente appoggiata agli estremi

(I calcoli sono stati effettuati considerando il carico di sicurezza  $K= 1.200 \text{ Kg. cmq}$ )

altezza h	NP	IPE	HEA	HEB		altezza h	NP	IPE	HEA	HEB
100	-	412	-	1.502	7 *	100	-	-	-	-
120	665	896	1.800	2.446		120	-	-	-	2.090
140	1.020	1.323	2.661	3.713		140	865	1.133	2.282	3.186
160	1.475	1.882	3.810	5.388		160	1.260	1.617	3.276	4.635
180	2.050	2.538	5.127	7.431		180	1.755	2.185	4.419	6.406
200	2.750	3.390	6.816	9.993		200	2.355	2.925	5.885	8.629
220	3.595	4.424	9.063	12.957		220	3.085	3.822	7.835	11.203
240	4.585	5.709	11.920	16.569		240	3.945	4.939	10.317	14.342
260	5.750	-	14.809	20.377		260	4.955	-	12.830	17.655
270	-	7.592	-	-		270	-	6.675	-	-
280	7.060	-	17.933	24.512		280	6.105	-	15.548	21.255
300	8.560	9.889	22.421	29.900		300	7.390	8.574	19.453	25.943
330	-	12.694	-	-		330	-	11.016	-	-
400	19.885	20.747	41.364	51.576		400	16.790	18.029	35.959	44.838
500	36.670	34.656	63.827	77.134	500	31.820	30.154	55.558	67.142	
600	62.045	55.283	86.340	102.742	600	53.920	48.144	75.214	89.501	
100	-	-	-	-	9 *	100	-	-	-	-
120	-	-	-	-		120	-	-	-	-
140	-	-	-	2.768		140	-	-	-	-
160	1.085	1.408	2.855	4.039		160	-	-	2.512	3.554
180	1.520	1.907	3.861	5.597		180	1.325	1.681	3.408	4.940
200	2.045	2.557	5.151	7.554		200	1.790	2.259	4.556	6.683
220	2.685	3.348	6.869	9.823		220	2.355	2.963	6.087	8.705
240	3.435	4.332	9.057	12.591		240	3.025	3.840	8.036	11.174
260	4.325	-	11.275	15.518		260	3.810	-	10.018	13.789
270	-	5.776	-	-		270	-	5.130	-	-
280	5.335	-	13.676	18.700		280	4.710	-	12.163	16.633
300	6.465	7.542	17.125	22.839		300	5.715	6.707	15.244	20.333
330	-	9.698	-	-		330	-	8.635	-	-
400	14.750	15.901	31.790	39.641		400	13.100	14.185	28.317	35.313
500	28.020	26.632	49.092	59.328	500	24.950	23.797	43.888	53.040	
600	47.550	42.564	66.520	79.262	600	42.415	38.076	59.530	70.838	

# TRAVE HE SOLLECITATA A COMPRESSIONE

mm		carichi massimi in kg riferiti alle lunghezze dei pilastri in m:					
		2	2,5	3	3,5	4	4,5
100	A	23555	21068	18434	15924	13732	11084
	B	29090	26000	22857	19809	16979	13774
	M	61237	55633	49777	44109	38342	33380
120	A	29985	27726	25142	22741	20139	17911
	B	40296	37517	34000	30734	27336	24285
	M	79879	74816	68987	62863	56812	50590
140	A	38646	36405	33718	31304	28384	26031
	B	53333	50128	46802	43270	39540	35833
	M	100750	95525	89555	83740	77221	70086
160	A	49269	46676	44028	41112	38559	35474
	B	68952	65323	61617	57920	54300	49931
	M	124288	119507	113401	106410	100232	93029
180	A	58926	56186	53688	51042	48000	45019
	B	84943	81625	77392	73577	69653	65300
	M	148590	141625	136300	130417	123319	116954
200	A	71140	68317	65709	62832	59777	56631
	B	103272	99174	96123	91882	87384	82754
	M	175066	168064	161600	154470	148990	140990
220	A	86453	82967	80375	76776	74014	70951
	B	122352	118378	113750	109473	105507	101111
	M	202576	195934	180220	182473	175764	168338
240	A	105025	100721	97523	94523	90352	87148
	B	144957	139016	134603	130461	124629	120283
	M	275310	266133	255488	249500	240120	233109
260	A	119724	115733	112000	108500	104421	102117
	B	163310	157866	152774	148000	142436	139294
	M	305530	295260	288000	276661	270276	260266
280	A	135373	130823	127606	123555	119753	116179
	B	182817	176670	172327	166857	161723	158075
	M	384320	325694	317619	307456	300250	288962
300	A		153846	148760	144000	140625	157404
	B		203897	197157	192387	186375	182106
	M		418068	407529	394276	384888	375937
320	A			164495	159232	155500	151938
	B			213289	208129	201625	197007
	M			419495	405835	396190	384000
340	A			176528	170880	166875	163053
	B			225983	218752	213625	208732
	M			421066	410796	401015	288676
360	A				182784	178500	174412
	B				231168	225750	220580
	M				414699	401637	392369
400	A				203520	198750	191278
	B				253184	247250	237954
	M				420387	410456	400984
450	A					222500	214135
	B					272500	262255
	M					419250	409648
500	A					244961	237593
	B					295937	287037
	M					430575	420519
600	A					278769	270447
	B					392384	322388
	M					451100	437533

# TRAVE HE SOLLECITATA A COMPRESSIONE

mm		carichi massimi in kg riferiti alle lunghezze dei pilastri in m:					
		5	5,5	6	6,5	7	7,5
100	A	9093	7521	6304			
	B	11304	9327	7834			
	M	26851	22166	18873			
120	A	15629	12769	10852	9200		
	B	21501	17770	15027	12680		
	M	44827	39494	33096	28105		
140	A	23367	21020	18402	15651	13469	
	B	32300	29029	26060	22122	19005	
	M	64159	58090	52636	45730	39558	
160	A	32333	29561	266874	24537	21333	
	B	46459	42174	38442	35170	30808	
	M	85834	79671	72260	66393	60925	
180	A	42385	39178	36059	33095	30582	24404
	B	61099	56782	52502	48147	44649	35903
	M	109204	101842	94416	88000	80928	68666
200	A	53465	50339	46782	43474	40413	34850
	B	78100	73505	68659	64082	59504	51850
	M	135585	126554	118689	112342	104517	90943
220	A	67241	63900	60517	56522	53305	46342
	B	95789	91000	86153	81796	75883	67096
	M	160429	152254	144000	136599	129210	113828
240	A	84164	80313	76322	72282	67889	61134
	B	116164	111578	106000	100353	95280	85226
	M	223328	214335	206038	197135	186760	166333
260	A	97802	94476	90181	86260	82177	74267
	B	134354	128870	123816	118400	112094	102400
	M	252776	244000	234240	226683	216888	197393
280	A	112811	108867	104483	101090	96695	87954
	B	152459	148056	143020	137411	131400	120137
	M	282589	272567	265048	254516	247948	226070
300	A	132352	129496	125000	120000	116883	106508
	B	176711	171625	166825	160107	154909	142850
	M	364631	356588	343943	334455	323306	301217
320	A	146352	143194	138222	132683	129246	117775
	B	191170	185669	179272	173208	167584	154538
	M	375438	367058	354042	344275	330596	310062
340	A	157058	151489	148333	142400	137806	126390
	B	201058	196719	187287	183516	177558	163736
	M	379909	368817	358354	346082	334622	311901
360	A	168000	162042	157572	152320	147406	135195
	B	212470	207884	200666	192640	187636	170982
	M	380656	372321	359211	349369	335578	303139
400	A	187058	180425	175448	168476	162038	149647
	B	232705	224453	218262	209589	204180	186164
	M	389014	377739	364531	354612	340705	314024
450	A	209411	201985	195068	188609	181401	166549
	B	256470	247375	240551	230993	222165	205116
	M	397511	386071	375272	360161	348467	321341
500	A	232352	224113	216438	207894	198742	184795
	B	280705	270751	261479	251157	243159	223251
	M	405058	390695	382255	367253	355406	325964
600	A	262608	253426	243221	235324	225093	207085
	B	315328	304225	243877	282352	270000	246857
	M	424759	412709	398575	382842	365987	334436

# LAMIERE SOTTILI E MEDIE

SPESSORE mm.	PESO kg./m <sup>2</sup>	DIMENSIONI IN mm					
		1000 x 2000	1250 x 2500	1500 x 3000	1500 x 6000	1750 x 6000	2000 x 6000
		PESO in kg					
0,3	2,36	4,72	-	-	-	-	-
0,35	2,75	5,51	-	-	-	-	-
0,4	3,14	6,28	-	-	-	-	-
0,45	3,53	7,6	-	-	-	-	-
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	-	-	-
1,8	14,1	28,2	44,2	64	-	-	-
2	15,7	31,4	49	71	-	-	-
2,5	19,6	39,3	61	88	176,4	-	-
3	23,6	47,1	73	106	212,4	247,8	282,6
3,5	27,5	55	85,9	123,6	247,3	288,5	329,7
4	31,4	62,8	98	141	282,6	329,7	376,8



# LAMIERE GROSSE

SPESSORE mm.	PESO kg./m <sup>2</sup>	DIMENSIONI IN mm			
		1000 x 2000	1250 x 2500	1500 x 3000	2000 x 6000
		PESO in kg			
5	39,2	78,5	123	176	472
6	47,1	94,2	147	212	566
7	55,0	110	172	247	660
8	62,8	126	196	282	754
9	70,6	141	221	318	848
10	78,5	157	245	353	942
12	94,2	188	294	424	1131
15	117,8	236	368	530	1416
18	141,3	282	442	636	1696
20	157,0	314	490	706	1884
25	196,2	392	613	833	2352
30	235,5	472	736	1060	2832
35	274,8	550	859	1237	3300
40	314,0	628	982	1413	3768
45	353,2	708	1404	1590	4238
50	392,5	786	1327	1767	4716
55	431,8	864	1350	1944	5182
60	471,0	942	1472	2120	5652
70	549,5	1100	1750	2473	6600
80	628,0	1256	1963	2826	7536
90	706,5	1414	2209	3180	8678
100	785,0	1570	2454	3533	9420

# LAMIERE STRIATE

UNI 3151

SPESSORE mm.	PESO kg./m <sup>2</sup>	DIMENSIONI IN mm				
		1000 x 2000	1000 x 3000	1250 x 2500	1500 x 3000	1500 x 6000
		PESO in kg				
3	28,6	57,2	85,8	89,4	128,7	257,4
4	36,5	73,0	109,5	114,0	164,3	328,5
5	44,3	88,6	132,9	138,5	199,4	398,7
6	52,1	104,2	156,3	163,0	234,5	468,9
7	60	120,0	180,0	187,5	270,0	540,0
8	67,8	135,0	203,4	211,9	305,1	610,2
10	83,6	167,2	250,8	261,2	376,2	752,4
12	99,1	198,2	297,3	309,7	446,0	891,9

26

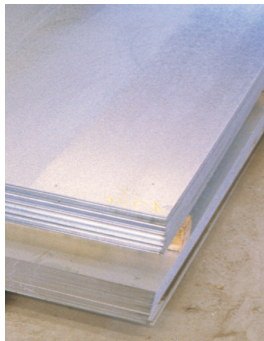
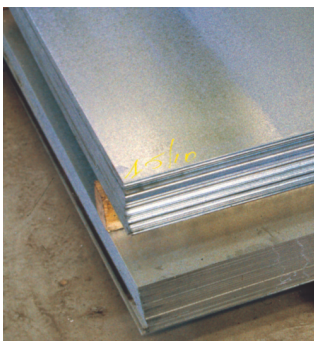
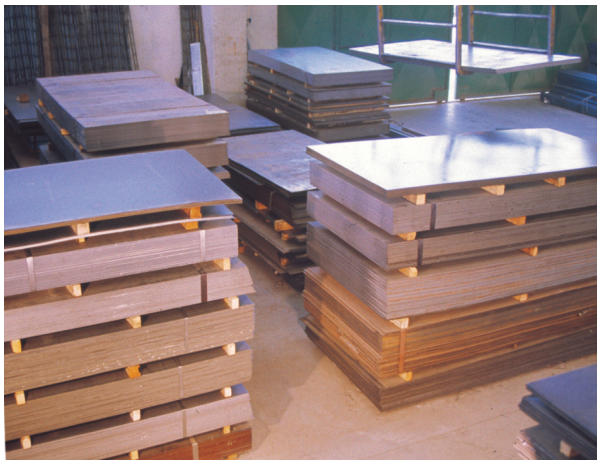
# LAMIERE BUGNATE

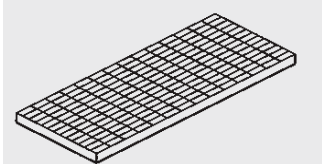
3	26,1	52,1	-	81,1	117	234
4	33,9	67,9	-	106	153	306
5	41,8	83,5	-	130	187	374
6	52,2	100	-	154	223	416
8	67,9	130	-	204	294	588
10	81,1	162	-	253	365	730

# LAMIERE ZINCATE

*Piane e ondulate*

SPESSORE mm.	PESO kg./m <sup>2</sup>
0,30	2,74
0,35	3,13
0,40	3,52
0,45	3,91
0,50	4,30
0,60	5,10
0,80	6,50
1,00	8,25
1,25	10,00
1,50	12,15
2,00	16,10
2,50	20,00
3,00	24,00





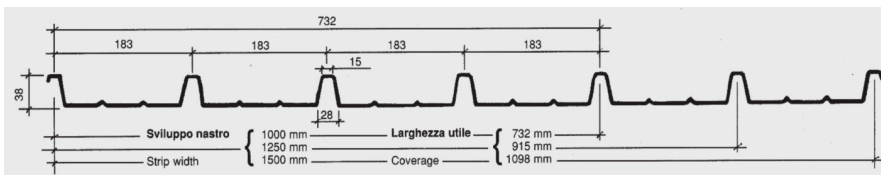
# GRIGLIATI ELETTROSALDATI

*Bordati e zincati  
per applicazioni orizzontali*

Maglia (axb)	Dimensioni (DxB)	ZINCATO Peso Kg/m <sup>2</sup>	Piatto portante
15x76	6100x1000	25,8	25x2
	6100x1200	25,8	
	6100x1000	30,9	30x2
	6100x1200	30,9	
	6100x1000	41,0	40x2
	6100x1000	40,7	25x3
	6100x1000	48,9	30x3
	6100x1000	65,3	40x3
	6100x1000	81,7	50x3
	6100x1000	98,1	60x3
25x76	6100x1000	16,3	25x2
	6100x1200	16,3	
	6100x1000	19,3	30x2
	6100x1200	19,3	
	6100x1000	25,4	40x2
	6100x1000	25,7	25x3
	6100x1000	30,7	30x3
	6100x1000	40,7	40x3
	6100x1000	50,9	50x3
	6100x1000	60,9	60x3
	6100x1000	54,3	40x4
	6100x1000	67,7	50x4
6100x1000	81,2	60x4	
34x38	6100x1000	24,8	30x3

## ELEMENTI GRECATI PER COPERTURE E PARETI

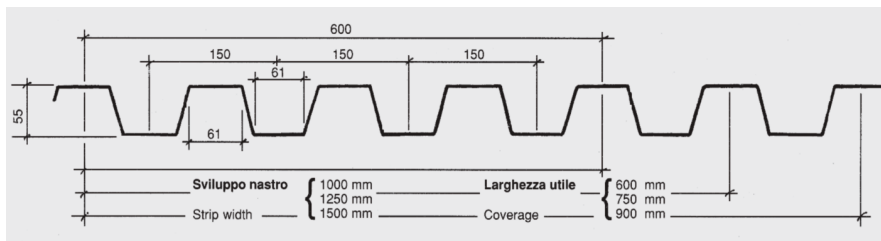
## EGB 401/DS



PESO Kg/m <sup>2</sup>	SPESSORE				LARGHEZZA UTILE mm
	0,6	0,7	0,8	1,0	
1000	4,71	5,49	6,28	7,85	732
	5,88	6,86	7,85	9,81	915
	7,06	8,24	9,42	11,77	1098

## ELEMENTI GRECATI PER SOLAI

## EGB 210/D



PESO Kg/m <sup>2</sup>	SPESSORE					LARGHEZZA UTILE mm	SVILUPPO NASTRO mm
	0,6	0,7	0,8	1,0	1,2		
1000	4,71	5,49	6,28	7,85	9,42	600	1000
	5,88	6,86	7,85	9,81	11,77	750	1250
	7,06	8,24	9,42	11,77	14,13	900	1500

# TUBI GAS - serie normale

senza saldatura, filettati e con manicotti - neri e zincati

UNI 5783-66

INDICAZIONE PER LA DESIGNAZIONE	DIAMETRO ESTERNO mm	SPESSORE mm	PESO CONVENZIONALE Kg/m		
			NON FILETTATI	FILETTATI CON MANICOTTO GREZZI	ZINCATI
3/8"	17,2	2	0,747	0,753	0,807
1/2"	21,3	2,35	1,10	1,11	1,18
3/4"	26,9	2,35	1,41	1,42	1,50
1"	33,7	2,9	2,21	2,23	2,34
1" 1/4	42,4	2,9	2,84	2,87	3,00
1" 1/2	48,3	2,9	3,26	3,30	3,45
2"	60,3	3,25	4,56	4,63	4,82
2" 1/2	76,1	3,25	5,81	5,93	6,17
3"	88,9	3,65	7,65	7,82	8,10
3" 1/2	101,8	3,65	8,77	8,95	-
4"	114,9	4,05	11	11,3	11,7
5"	139,7	4,85	16,2	16,7	-
6"	165,1	4,85	19,2	19,8	-

# TUBI SENZA SALDATURA COMMERCIALI (*bollitori*)

Diametro esterno	Spessore	Peso
mm	mm	Kg/mt
30	2,3	1,59
33,7	2,3	1,79
38	2,6	2,29
42,4	2,6	2,57
44,5	2,6	2,70
48,3	2,6	2,95
51 *	2,6	3,12
54	2,6	3,32
57	2,9	3,90
60,3 *	2,9	4,14
63,5	2,9	4,36
70	2,9	4,83
76,1	2,9	5,28
82,5 *	3,2	6,31
88,9	3,2	6,81
101,6	3,6	8,76
108	3,6	9,33
114,3	3,6	9,90

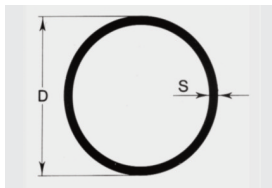
Diametro esterno	Spessore	Peso
mm	mm	Kg/mt
127 *	4	12,2
133	4	12,8
139,7	4	13,5
152,4 *	4,5	16,4
159	4,5	17,1
168,3	4,5	18,1
177,8 *	5	21,3
193,7	5,4	25
217,1	5,9	31
244,5	6,3	37,1
267 *	6,3	40,6
273	6,3	41,6
298,5 *	7,1	51,1
323,9	7,1	55,6
355,6	8	68,3
368	8	70,8
406,4	8,8	85,9
419	8,8	88,7

\* Diametri di esecuzione meno corrente.

# TUBI PER APPLICAZIONI MECCANICHE

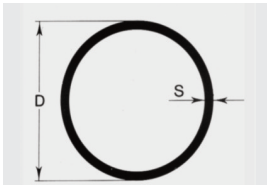
Diametro esterno mm	Spessore - mm																		
	6,3	7,1	8	10	12,5	14,2	16	17,5	20	22,2	25	28	30	36	40	45	50	55	60
	Peso - Kg/mt																		
48,3	6,5	7,2	7,9	9,4	11,0														
51	6,9	7,7	8,4	10,1	11,9														
54	7,4	8,2	9,0	10,9	12,9														
57	7,9	8,8	9,6	11,6	13,8	15,0													
60,3	8,4	9,3	10,3	12,4	14,8	16,2													
63,5	8,9	9,9	10,9	13,2	15,8	17,3	18,7												
67	9,4	10,5	11,6	14,1	16,8	18,5	20,1	21,4											
70	9,9	11,0	12,2	14,8	17,8	19,6	21,2	22,6											
76,1	10,9	12,1	13,4	16,3	19,7	21,7	23,7	25,3											
82,5	11,9	13,2	14,6	17,9	21,7	24,0	26,2	28,0	30,8										
88,9	12,9	14,4	15,9	19,5	23,7	26,2	28,7	30,8	34,0	36,5									
95	13,8	15,4	17,2	21,0	25,4	28,3	31,2	33,4	37,0	39,9	43,0								
101,6	14,9	16,6	18,4	22,6	27,6	30,7	33,7	36,2	40,2	43,5	47,5								
108	15,8	17,7	19,6	24,2	29,6	32,9	36,2	39,0	43,4	47,0	51,4	55,2	57,7						
114,3	16,8	18,8	20,9	25,7	31,6	35,1	38,6	41,7	46,5	50,4	55,3	59,5	62,3						
121	17,8	19,9	22,3	27,4	33,4	37,4	41,4	44,7	49,8	54,1	59,2	64,2	67,3						
127	18,8	21,0	23,4	28,9	35,5	39,6	43,6	47,2	52,8	57,4	63,2	68,3	71,7	80,8					
133	19,8	22,1	24,6	30,3	37,4	41,8	46,1	49,9	55,7	60,8	67,1	72,5	76,3	86,1	91,7				
139,7	20,8	23,3	25,9	32,0	39,5	44,0	48,6	52,7	59,0	64,3	71,1	77,0	81,1	92,0	98,3				
152,4	22,8	25,5	28,4	35,1	43,4	48,5	53,6	58,1	65,3	71,3	79,0	85,8	90,5	103	112				
159	23,8	26,6	29,6	36,7	45,4	50,8	56,2	60,9	68,8	74,8	83,0	90,3	95,3	109	119				
168,3	25,3	28,3	31,5	39,0	48,4	54,1	59,9	65,0	73,1	80,0	88,9	96,7	102	117	126				
177,8	26,7	30,0	33,4	41,4	51,3	57,4	63,6	69,1	77,8	85,2	94,8	103	109	126	136				
193,7	29,2	32,8	36,5	45,3	56,2	63,0	69,8	75,9	85,7	93,9	105	114	121	140	151	167	179		
203	30,6	34,3	38,5	47,6	58,7	66,1	73,8	80,1	90,3	99,0	110	121	128	148	161	178	191		
219,1	33,2	37,2	41,5	51,6	64,1	71,9	79,8	86,9	98,2	108	120	132	140	162	176	196	211		
227	34,3	38,5	43,2	53,5	66,1	74,5	83,2	90,4	102	112	124	137	146	170	186	207	224		
244,5	37,1	41,7	46,5	57,8	72,0	80,8	89,9	97,8	111	122	136	149	159	186	201	224	243		
254	38,5	43,2	48,5	60,2	74,4	84,0	93,9	102	115	127	141	156	166	194	211	235	255		
267	40,6	45,6	50,9	63,4	79,0	88,7	98,6	107	122	134	150	165	175	205	223	250	271		
273	41,6	46,7	52,1	64,8	80,9	90,9	101	110	125	137	154	169	180	211	229	256	275		
298,5	51,1	57,1	71,1	88,8	99,8	111	121	137	151	170	187	198	234	255	285	306	335	353	
323,9	55,6	62,1	77,4	96,7	109	121	132	150	165	186	204	217	256	280	313	338	370	390	
355,6			85,2	107	120	133	146	166	183	205	226	241	284	311	349	377	413	437	
406,4			97,8	122	138	153	168	191	210	237	261	278	330	361	406	439	483	513	
419			101	126	142	158	173	197	217	245	270	288	340	373	421	455	500	531	
457,2			110	138	156	173	189	216	238	268	296	316	375	411	464	502	553	587	
508				154	173	193	211	241	266	300	331	353	419	461	521	565	623	663	
558,8				170	191	213	233	266	294	331	366	391	491	511	578	628	693	738	
609,6				185	209	233	255	291	322	363	401	428	510	561	635	691	763	814	
660,4				201	227	253	277	316	349	395	436	466	555	611	692	752	832	888	





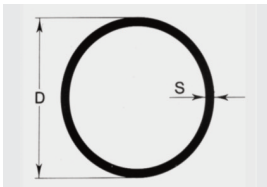
# TUBI CARPENTERIA

Diametro in pollici	Diametro in mm	Spessore in mm	Peso kg/ml
3/8"	16,75	1,80	0,66
1/2"	21,25	2,20	1,03
3/4"	26,75	2,50	1,50
1"	33,50	2,65	2,02
1" 1/4	42,40	3,00	2,91
1" 1/2	48,30	3,00	3,35
2"	60,30	3,00	4,24
2" 1/2	76,10	3,25	5,80
3"	88,90	3,25	6,36
3" 1/2	101,60	3,65	7,32
4"	114,30	3,65	8,23
4" 1/2	127,00	4,00	12,20
5"	139,70	4,00	13,50
5" 1/2	152,00	4,50	16,36
6"	168,00	4,50	18,20



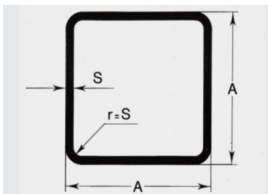
# TUBI TONDI

DIMENSIONI ø D	SPESSORE IN mm				
	1	1,2	1,5	2	3
	PESO kg/m				
10	0,23	-	-	-	-
12	0,28	-	0,40	-	-
14	0,32	0,38	0,48	0,64	-
15	0,34	0,41	0,51	0,66	-
16	0,37	0,44	0,55	0,71	-
18	0,42	0,50	0,61	0,81	-
19	0,44	0,53	0,65	0,86	-
20	0,47	0,56	0,70	0,91	-
22	0,52	0,62	0,77	1,01	-
24	0,57	0,67	0,83	1,08	-
25	0,59	0,70	0,89	1,16	-
26	0,62	0,73	0,91	1,18	1,70
28	0,67	0,79	1,00	1,31	1,85
30	0,71	0,85	1,07	1,41	2,01
32	0,76	0,91	1,15	1,50	2,18
33	-	-	1,25	-	-
35	0,84	1,00	1,26	1,66	2,41
38	0,91	1,09	1,38	1,81	2,64
40	0,96	1,15	1,45	1,91	2,78
45	1,08	1,30	1,64	2,16	3,16
50	-	1,45	1,83	2,41	3,54
51	1,47	1,50	1,86	2,46	3,61
57	1,65	1,66	2,09	2,76	4,06
60	-	1,78	2,21	2,92	4,31
63,50	-	2,29	233	3,08	4,55
70	-	-	2,58	3,41	5,04



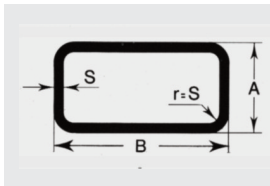
# TUBI TONDI

DIMENSIONI ø D	SPESSORE IN mm				
	2	3	4	5	6
	PESO kg/m				
80	3,85	5,70	7,50	-	-
83	4,00	5,92	7,80	-	-
89	4,29	6,36	8,38	-	-
90	4,34	6,44	8,43	-	-
102	4,94	7,33	9,67	-	-
108		7,78	10,26	-	-
114,30	5,58	8,25	10,89	-	-
120	5,82	8,65	11,44		
121		9,00			
127	6,17	9,17	12,13	15,04	17,90
133	-	9,62	12,71	15,76	18,79
139,70	-	10,31	13,41	16,70	19,78
150	-	10,87	14,40	17,87	-
152	-	11,05	14,60	18,13	21,60
159	-	11,57	15,33	19,04	22,64
168	-	12,22	16,29	20,08	24,02
192	-	13,98	18,55	23,06	27,52
219	-	15,98	21,21	26,39	31,53
273	-	-	26,54	33,39	39,51
323	-	-	31,56	39,32	47,04
355	-	-	34,68	43,23	51,73
406		-	39,70	49,50	59,25
508					74,30



# TUBI QUADRI

DIMENSIONI A x A	SPESSORE IN mm					
	1,5	2	3	4	5	6
	PESO kg/ml					
10 x 10	0,45	-	-	-	-	-
12 x 12	0,50	-	-	-	-	-
15 x 15	0,67	0,88	-	-	-	-
20 x 20	0,90	1,13	1,60	-	-	-
25 x 25	1,14	1,50	2,18	-	-	-
30 x 30	1,38	1,82	2,65	3,27	-	-
35 x 35	1,62	2,14	3,12	4,10	-	-
40 x 40	1,86	2,46	3,61	4,71	-	-
45 x 45	2,10	2,78	4,09	5,31	-	-
50 x 50	2,34	3,09	4,56	5,96	7,07	-
60 x 60	2,82	3,73	5,52	7,23	8,75	-
70 x 70	3,23	4,27	6,31	8,33	10,36	12,28
80 x 80	3,78	5,01	7,43	9,81	12,01	14,21
90 x 90	-	5,52	8,21	10,90	13,44	15,99
100 x 100	-	6,28	9,35	12,36	15,33	18,24
120 x 120	-	-	11,26	14,91	18,52	26,07
140 X 140	-	-	12,97	17,19	21,36	25,49
150 x 150	-	-	14,13	18,74	23,30	27,81
175 x 175	-	-	16,53	21,93	27,29	32,60
200 x 200	-	-	-	24,29	29,94	35,58
220 x 220	-	-	-	26,81	33,12	39,35
260 x 260	-	-	-	31,83	39,41	46,88
325 x 325	-	-	-	39,69	49,57	59,13



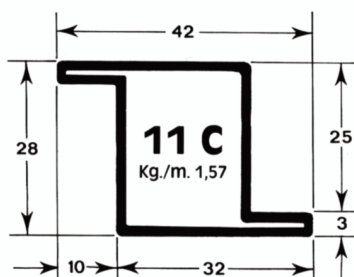
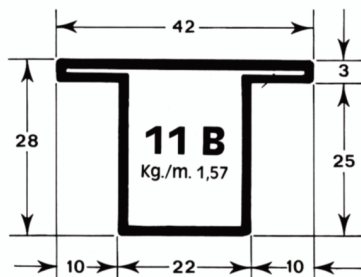
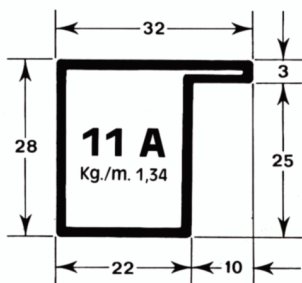
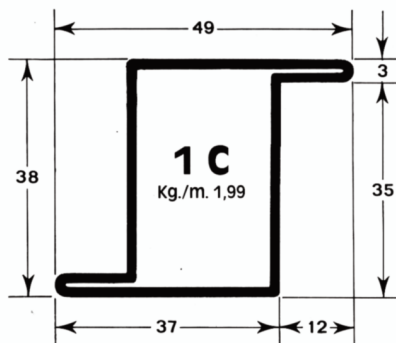
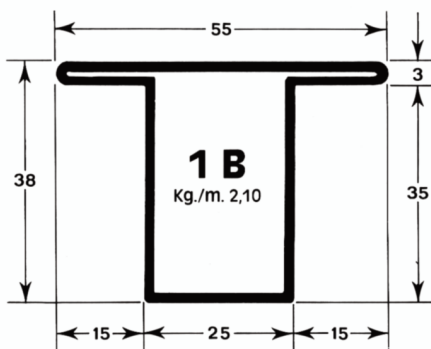
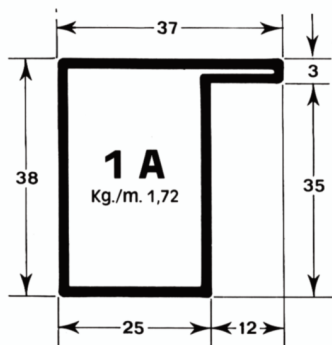
# TUBI RETTANGOLARI

DIMENSIONI B x A	SPESSORE IN mm			
	1,5	2	3	4
	PESO kg/ml			
15 x 10	0,52	–	–	–
20 x 10	0,66	0,82	–	–
20 x 15	0,78	0,97	–	–
25 x 10	0,75	0,97	–	–
25 x 15	0,90	1,18	–	–
30 x 10	0,90	1,13	–	–
30 x 15	1,02	1,34	–	–
30 x 20	1,14	1,54	2,07	–
35 x 10	0,99	1,29	–	–
35 x 15	1,14	1,54	2,07	–
35 x 20	1,26	1,66	2,31	–
40 x 10	1,11	1,44	–	–
40 x 15	1,26	1,66	–	–
40 x 20	1,38	1,82	2,54	–
40 x 25	1,46	1,91	2,78	–
40 x 30	1,62	2,14	3,01	–
50 x 10	1,34	1,76	–	–
50 x 15	1,50	1,92	–	–
50 x 20	1,62	2,14	3,01	–
50 x 25	1,74	2,30	3,25	–
50 x 30	1,86	2,46	3,48	4,52
50 x 40	2,34	2,70	3,95	–
60 x 10	1,58	2,07	–	–
60 x 15	1,71	2,23	–	–
60 x 20	1,86	2,46	3,48	–
60 x 30	2,10	2,77	4,09	5,07
60 x 40	2,34	3,09	4,56	5,96
60 x 50	2,52	3,33	4,90	–

DIMENSIONI B x A	SPESSORE IN mm			
	1,5	2	3	4
	PESO kg/ml			
<b>70 x 20</b>	2,10	2,77	3,95	–
<b>70 x 30</b>	–	3,01	4,43	–
<b>70 x 40</b>	–	3,33	4,90	6,08
<b>70 x 50</b>	–	3,64	5,37	7,10
<b>80 x 20</b>	–	3,01	4,43	–
<b>80 x 30</b>	–	3,35	4,90	–
<b>80 x 40</b>	2,82	3,73	5,52	7,23
<b>80 x 50</b>	–	3,99	5,92	7,80
<b>80 x 60</b>	–	4,37	6,48	8,51
<b>90 x 30</b>	–	3,65	5,37	–
<b>90 x 40</b>	–	–	5,85	7,70
<b>100 x 20</b>	–	3,64	5,37	–
<b>100 x 30</b>	–	3,95	5,84	–
<b>100 x 40</b>	–	4,37	6,48	8,51
<b>100 x 50</b>	–	4,69	6,96	9,12
<b>100 x 60</b>	–	5,01	7,43	9,81
<b>100 x 80</b>	–	5,65	8,39	11,09
<b>120 x 30</b>	–	4,59	6,81	–
<b>120 x 40</b>	–	4,90	7,25	9,55
<b>120 x 50</b>	–	–	7,80	–
<b>120 x 60</b>	–	5,65	8,39	11,09
<b>120 x 80</b>	–	6,28	9,35	12,36
<b>140 x 40</b>	–	–	8,19	10,80
<b>140 x 50</b>	–	–	8,67	11,46
<b>140 x 60</b>	–	–	9,14	12,06
<b>140 x 70</b>	–	–	9,61	12,36
<b>150 x 30</b>	–	5,50	8,20	10,80
<b>150 x 40</b>	–	5,87	8,73	11,46
<b>150 x 50</b>	–	6,16	9,14	12,06
<b>150 x 100</b>	–	–	11,50	15,30
<b>160 x 60</b>	–	–	10,10	13,00
<b>160 x 80</b>	–	–	11,02	14,57
<b>180 x 60</b>	–	–	11,02	14,57
<b>200 x 100</b>	–	–	13,85	18,34
<b>250 x 100</b>	–	–	16,53	21,93
<b>300 x 150</b>	–	–	20,58	27,44
<b>400 x 250</b>	–	–	–	39,70

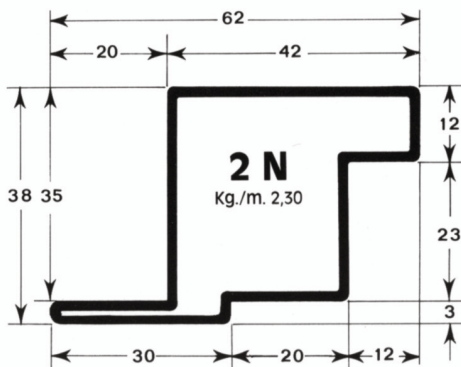
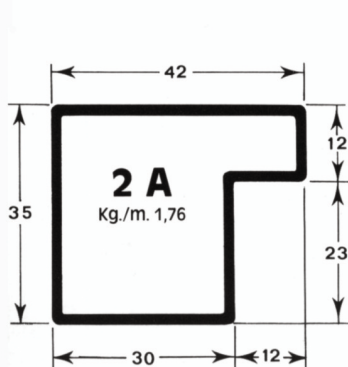
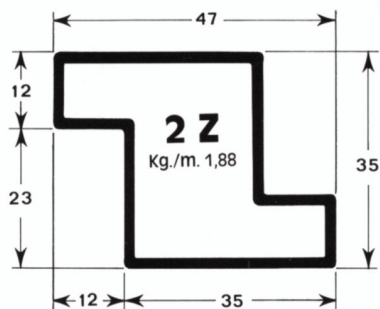
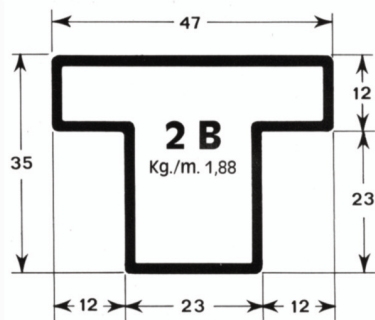
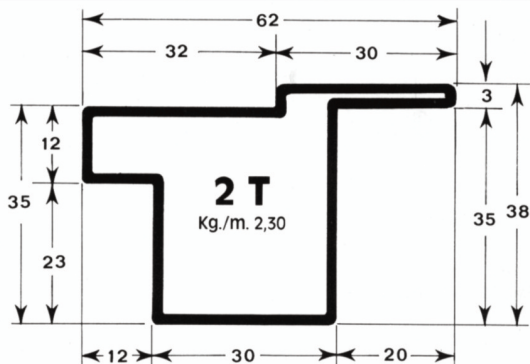
# TUBOLARI PER SERRAMENTI

spess. mm. 1,5



# TUBOLARI PER SERRAMENTI

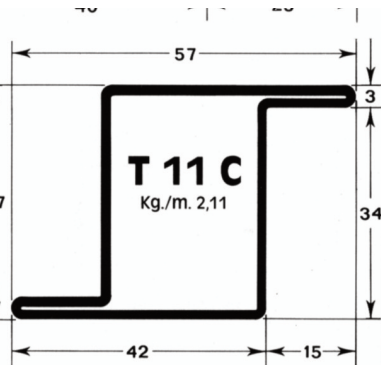
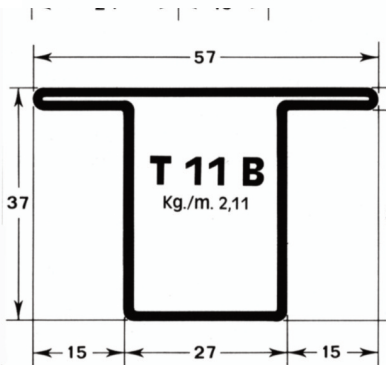
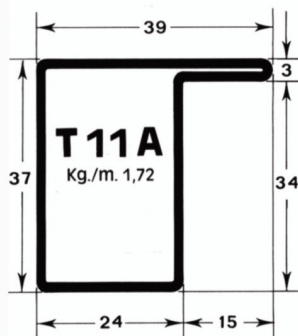
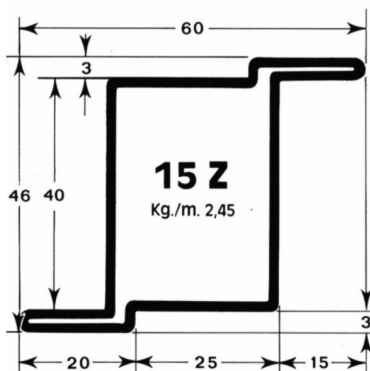
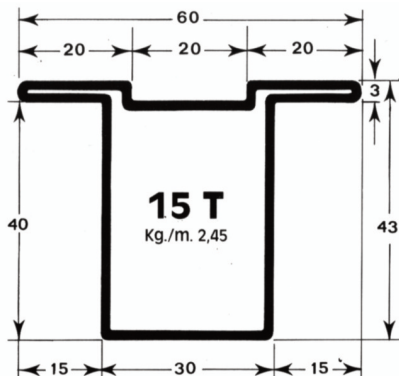
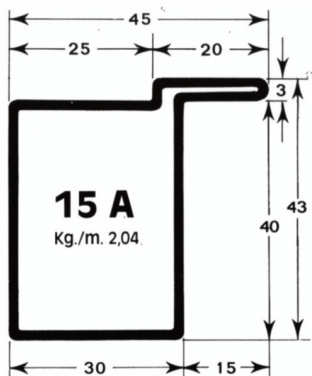
spess. mm. 1,5





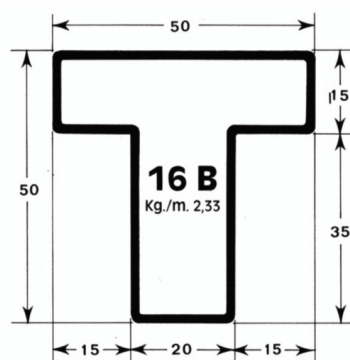
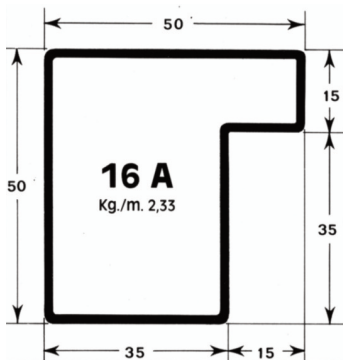
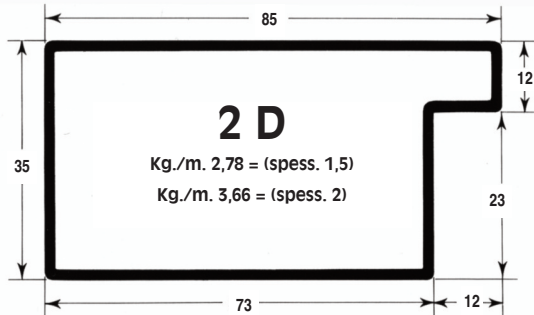
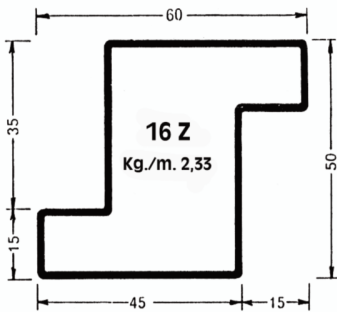
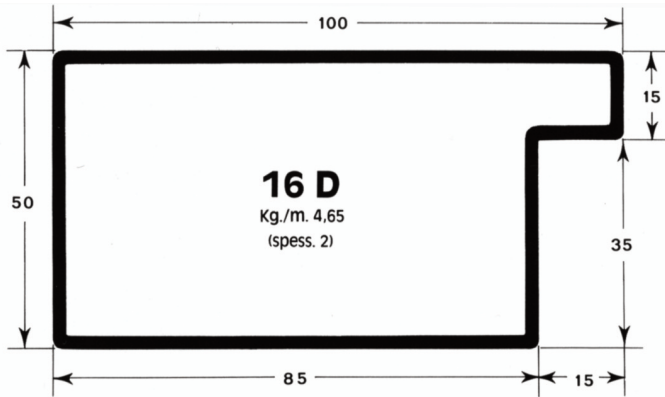
# TUBOLARI PER SERRAMENTI

spess. mm. 2



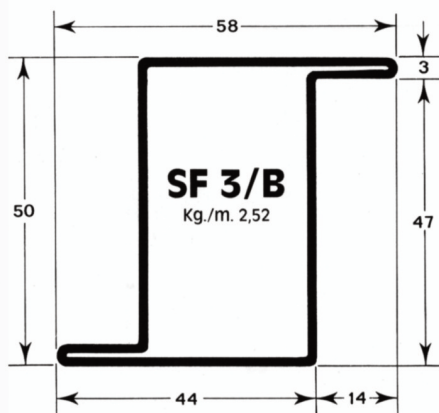
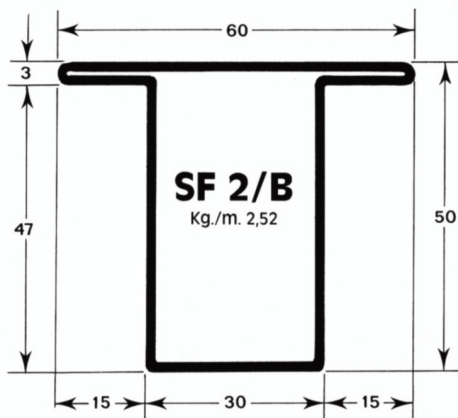
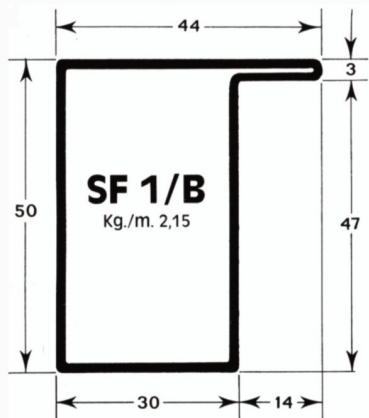
# TUBOLARI PER PORTONI

spess. mm. 1,5



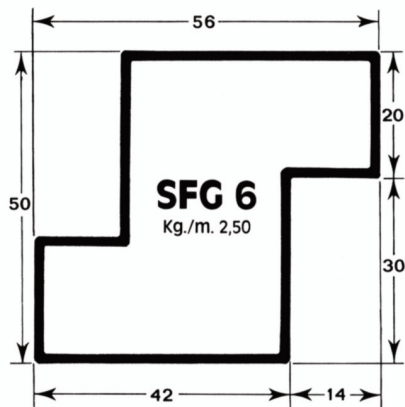
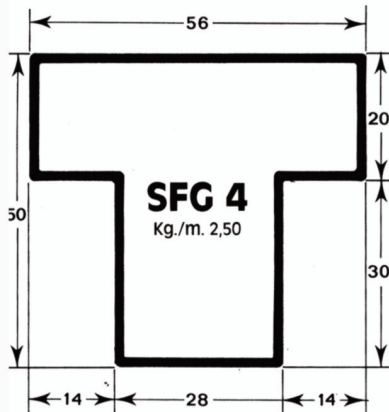
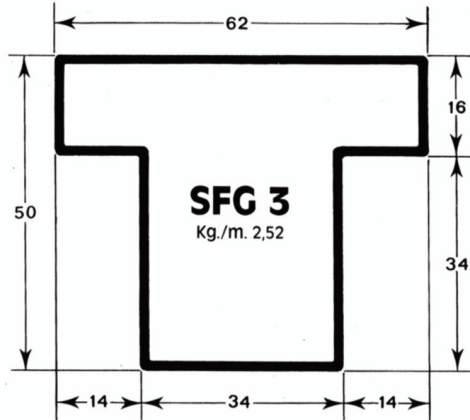
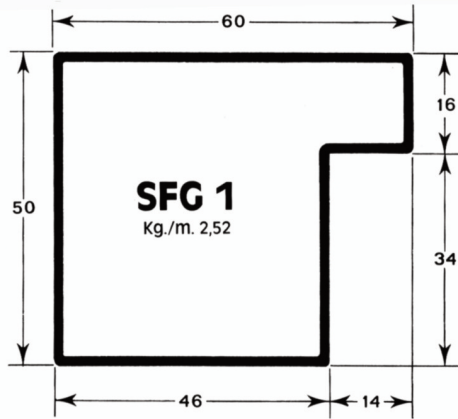
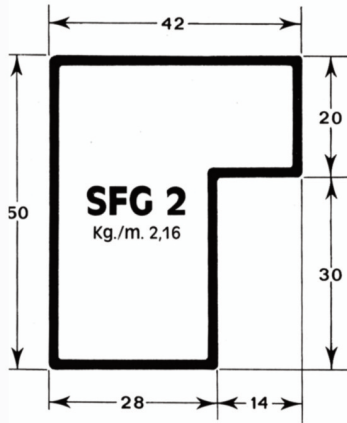
# TUBOLARI PER PORTONI

tipo leggero spess. mm. 1,5



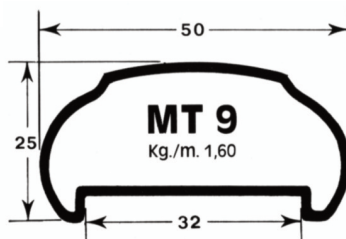
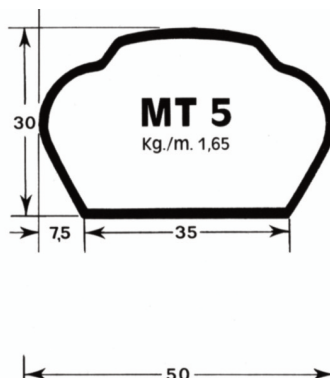
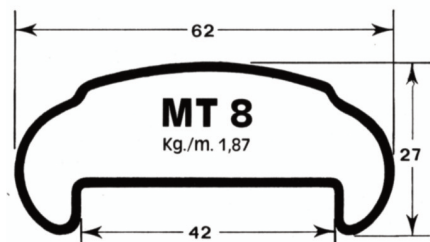
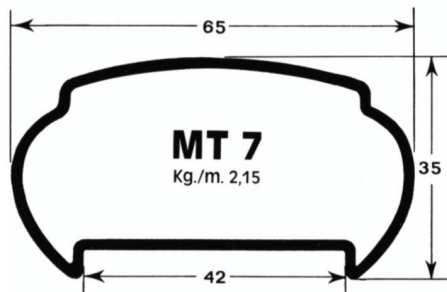
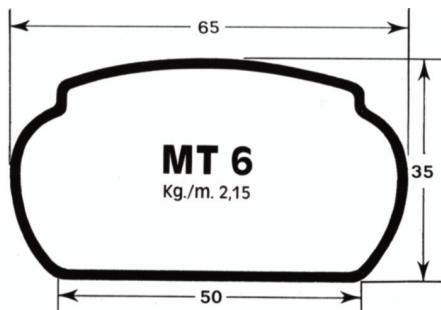
# TUBOLARI PER PORTONI

spess. mm. 1,5

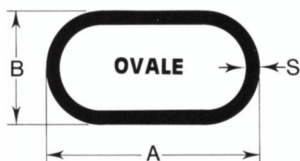


# TUBOLARI PER MANCORRENTI

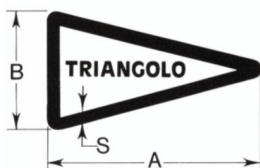
spess. mm. 1,5



# TUBOLARI A SEZIONI VARIE



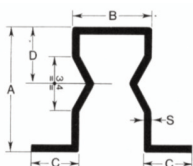
A	B	PESO Kg/m		
		S 1,5	S 2	S 3
30	15	0,86	1,13	—
40	20	1,12	1,47	—
50	10	1,29	1,5	—
50	25	1,50	1,95	2,86
60	30	1,87	2,47	3,63



A	B	PESO Kg/m		
		S 1,5	S 2	S 3
30	15	0,86	1,13	—
40	22	1,24	1,63	—

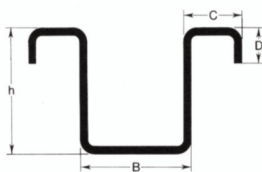
# TUBOLARI A SEZIONE APERTA

46



## ARCARECCIO OMEGA FIAT

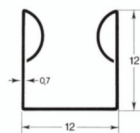
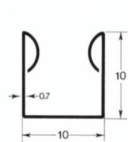
A	B	C	S	kg/m
75	50	30	2,5	4,80
100	60	30	3	7,06
120	80	40	3	8,00
150	80	40	3	10,36



## GUIDE INFERIORI PER PORTONI

TIPO	DIMENSIONI				SPESS. mm	AREA cm <sup>2</sup>	PESO Kg/m
	h	B	C	D			
1	40	38	20	10	3	4,35	3,41
2	36	32	20	10	2,5	3,37	2,65

## FERMAVETRO A SCATTO



**10**  
kg/m 0,210

Spessore  
mm 0,7

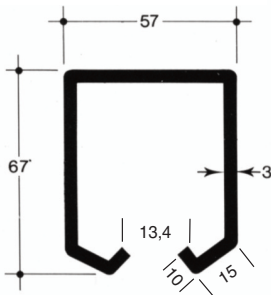
**12**  
kg/m 0,240

Spessore  
mm 0,7

**VITI PER FERMAVETRO IN FERRO mm 10+12**  
**VITI PER FERMAVETRO IN NYLON mm 10+12**  
**COPRIANGOLI A SCATTO mm 10+12**

# MONOROTAIE E CARRELLI

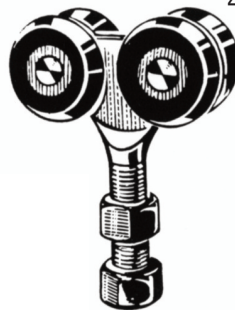
**MR1 (TIPO A)**  
Peso al m./kg.5,000



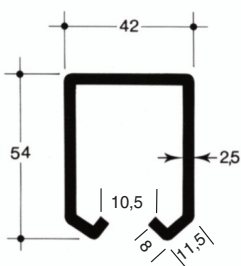
2RA



4RA



**MR2 (TIPO B)**  
Peso al m./kg.3,180



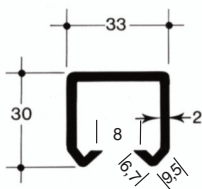
2RB



4RB



**MR3 (TIPO C)**  
Peso al m./kg.1,774

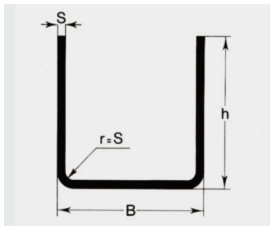


2RC



4RC



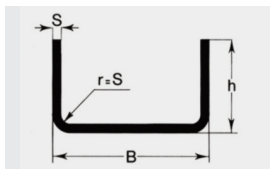


# PROFILO "U"

*a lati uguali*

DIMENSIONI	SPESSORE IN mm			
	1,5	2	3	4
Bxh				
	PESO kg/ml			
10x10	0,29	-	-	-
12x12	0,37	-	-	-
15x15	0,47	0,60	-	-
20x20	0,65	0,85	-	-
25x25	0,83	1,07	1,53	-
30x30	1,00	1,31	1,89	-
35x35	1,20	1,56	2,25	-
40x40	1,37	1,79	2,61	3,35
45x45	-	2,07	2,96	3,82
50x50	-	2,28	3,32	4,29
60x60	-	-	4,04	5,25
80x80	-	-	5,48	7,11
100x100	-	-	6,92	9,01

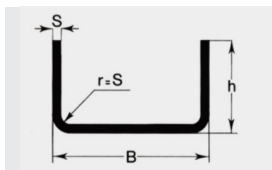




# PROFILO "U"

*ad ali uguali*

DIMENSIONI	SPESSORE IN mm		
	1,5	2	3
<b>Bxh</b>			
	PESO kg/ml		
<b>15x10</b>	0,39	-	-
<b>20x10</b>	0,41	0,54	-
<b>25x12</b>	0,52	0,68	-
<b>25x30</b>	0,95	1,24	1,76
<b>25x40</b>	1,18	1,55	2,24
<b>30x10</b>	0,52	-	-
<b>30x15</b>	0,64	0,85	-
<b>30x20</b>	0,77	1,00	1,43
<b>30x40</b>	1,24	1,64	2,43
<b>35x17</b>	0,75	0,99	-
<b>35x20</b>	0,83	1,08	1,53
<b>40x20</b>	0,89	1,16	1,67
<b>40x30</b>	1,12	1,47	2,14
<b>40x35</b>	1,64	2,43	3,18
<b>50x20</b>	1,00	1,33	1,96
<b>50x25</b>	-	1,47	2,14
<b>50x30</b>	-	1,64	2,43
<b>50x40</b>	-	1,94	2,85
<b>60x20</b>	-	1,47	2,14
<b>60x30</b>	-	1,87	2,61
<b>60x40</b>	-	2,10	3,08
<b>60x50</b>	2,41	3,58	1,73

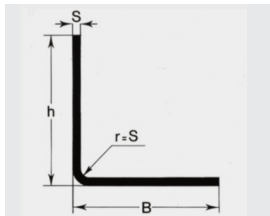


# PROFILO "U"

*ad ali uguali*

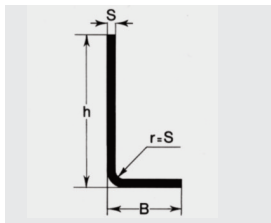
DIMENSIONI	SPESSORE IN mm		
	2	3	4
Bxh			
	PESO kg/ml		
<b>70x30</b>	1,94	2,85	3,70
<b>70x35</b>	2,10	3,08	4,01
<b>70x45</b>	2,41	3,58	4,73
<b>80x40</b>	2,41	3,58	4,73
<b>80x50</b>	2,73	4,02	5,27
<b>80x60</b>	3,04	4,50	5,90
<b>100x30</b>	2,41	3,58	4,73
<b>100x40</b>	2,73	4,02	5,27
<b>100x50</b>	3,04	4,50	5,90
<b>100x60</b>	3,36	4,96	6,53
<b>120x50</b>	-	4,96	6,53
<b>120x55</b>	-	5,20	6,84
<b>120x60</b>	-	5,44	7,15
<b>140x60</b>	-	5,91	7,78
<b>160x65</b>	-	6,55	8,61
<b>180x60</b>	-	6,75	8,90
<b>180x80</b>	-	7,87	10,37
<b>200x60</b>	-	7,25	9,55
<b>200x80</b>	-	8,20	10,81
<b>200x100</b>	-	9,31	12,29

# PROFILI ANGOLARI



DIMENSIONI Bxh	SPESSORE IN mm		
	1,5	2	3
	PESO kg/ml		
<b>10x10</b>	0,20	-	-
<b>15x15</b>	0,31	0,40	-
<b>20x20</b>	0,43	0,56	-
<b>25x25</b>	0,55	0,72	1,03
<b>30x30</b>	0,67	0,88	1,25
<b>35x35</b>	-	1,03	1,53
<b>40x40</b>	-	1,20	1,75
<b>45x45</b>	-	1,35	2,00
<b>50x50</b>	-	1,51	2,20
<b>60x60</b>	-	-	2,70
<b>70x70</b>	-	-	3,15
<b>80x80</b>	-	-	3,65
<b>90x90</b>	-	-	4,12
<b>100x100</b>	-	-	4,60

# PROFILI "L"

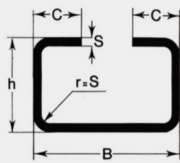


## DIMENSIONI

## SPESSORE IN mm

DIMENSIONI Bxh	SPESSORE IN mm			
	1,5	2	3	4
	PESO kg/ml			
10x20	0,33	-	-	-
12x25	0,42	0,55	-	-
15x25	0,45	0,59	-	-
15x30	0,51	0,66	0,99	-
15x40	-	0,83	1,22	-
20x30	-	0,75	1,10	-
20x40	-	0,94	1,34	-
20x50	-	1,06	1,56	-
25x40	-	0,99	1,46	-
25x50	-	1,14	1,70	-
30x40	-	1,06	1,56	-
30x50	-	1,22	1,81	-
30x60	-	-	2,04	-
40x60	-	-	2,28	3,01
40x80	-	-	2,75	3,64
40x100	-	-	3,22	4,27
50x100	-	-	3,40	4,46

# PROFILO "C"

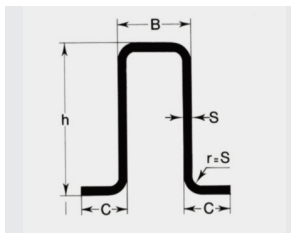


DIMENSIONI B x h x c	SPESSORE IN mm	
	1,5	2
	PESO kg/ml	
25 x 15 x 7,5	0,74	0,96
25 x 25 x 7,5	0,99	–
30 x 10 x 10	0,75	–
30 x 15 x 7,5	0,81	–
30 x 30 x 10	1,22	1,60
30 x 40 x 10	1,46	1,92
35 x 35 x 10	1,34	1,72
38 x 20 x 8	1,04	–
40 x 20 x 10	1,11	1,33
40 x 30 x 15	1,46	1,79
40 x 40 x 10	1,58	2,07
40 x 40 x 15	1,86	2,41
40 x 50 x 15	1,92	2,49
45 x 45 x 15	1,86	2,41

# PROFILO "C"

DIMENSIONI B x h x c	SPESSORE IN mm		
	1,5	2 PESO kg/ml	3
50 x 30 x 15	1,58	2,07	–
50 x 30 x 20	1,63	2,17	3,25
50 x 40 x 15	1,81	2,39	3,21
50 x 50 x 15	–	2,58	3,95
60 x 30 x 15	–	2,11	2,97
60 x 40 x 20	–	2,70	3,96
60 x 50 x 20	–	3,01	4,43
60 x 60 x 20	–	3,21	4,90
70 x 30 x 20	–	2,54	–
80 x 40 x 20	–	3,01	4,43
80 x 60 x 15	–	3,36	5,13
80 x 80 x 30	–	4,46	6,87
100 x 50 x 25	–	3,80	5,60

# OMEGA



## DIMENSIONI

**B x h x c**

## SPESSORE IN mm

1,5

2

3

## PESO kg/ml

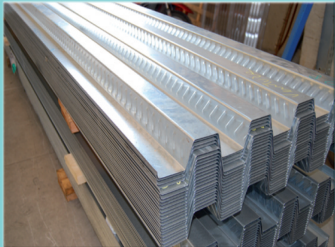
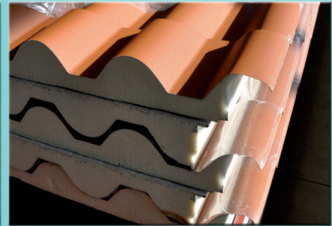
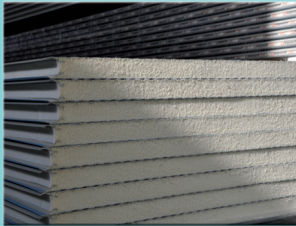
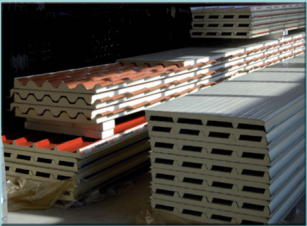
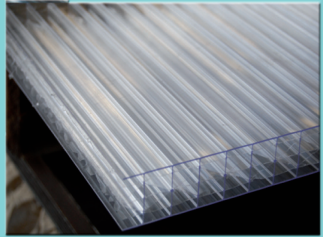
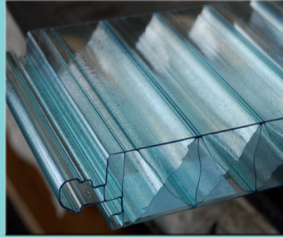
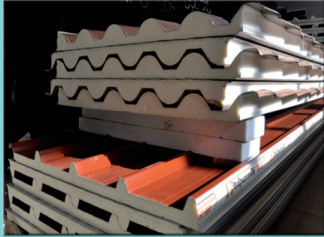
DIMENSIONI B x h x c	1,5	2	3
25 x 25 x 15	1,10	1,40	–
30 x 30 x 15	1,34	1,76	–
50 x 30 x 25	2,01	2,62	–
60 x 30 x 20	1,81	2,38	–
20 x 35 x 30	1,70	2,23	–
25 x 40 x 15	1,52	1,99	–
30 x 40 x 20	1,66	2,14	–
50 x 40 x 20	1,86	2,42	–
60 x 45 x 25	2,28	3,01	–
25 x 50 x 15	1,75	2,30	–
30 x 50 x 15	1,81	2,38	–
30 x 50 x 20	1,93	2,54	–
40 x 50 x 20	2,04	2,70	–
45 x 50 x 20	1,98	2,58	–
50 x 50 x 20	2,16	2,86	4,07
25 x 60 x 20	–	2,77	–
40 x 60 x 25	–	3,17	4,66

# OMEGA

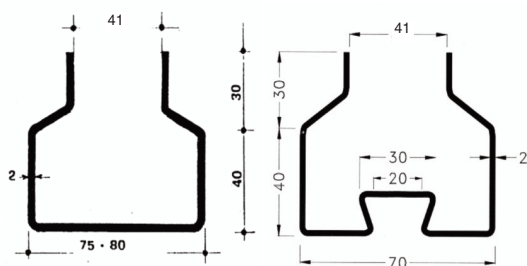
DIMENSIONI B x h x c	SPESSORE IN mm	
	2	3
	PESO kg/ml	
45 x 60 x 25	3,25	4,78
50 x 60 x 25	3,33	4,90
50 x 70 x 30	3,80	5,60
50 x 75 x 25	3,80	5,60
60 x 75 x 30	4,11	6,07
40 x 80 x 25	3,80	5,60
40 x 90 x 25	4,11	6,07
50 x 100 x 30	4,74	7,01
60 x 100 x 30	-	7,25
50 x 120 x 30	-	7,80
60 x 120 x 30	-	8,20
80 x 120 x 40	-	9,14
80 x 150 x 45	-	10,50



# PANNELLI COIBENTATI PER COPERTURE E PARETI



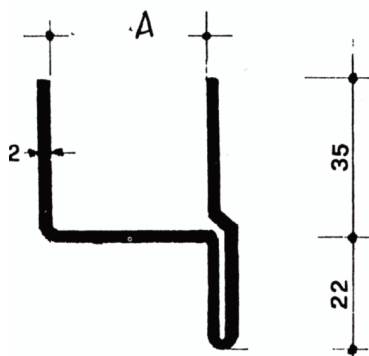
# PROFILI PER PANNELLI POLIURETANI



**Serie di profilati zincati per pannelli coibentati**

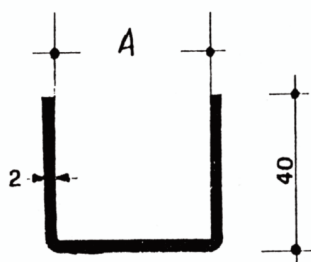
PROFILO PER PORTONI  
Peso kg. 3,6 ca. al mt.

58



A = 31 - 36 - 41

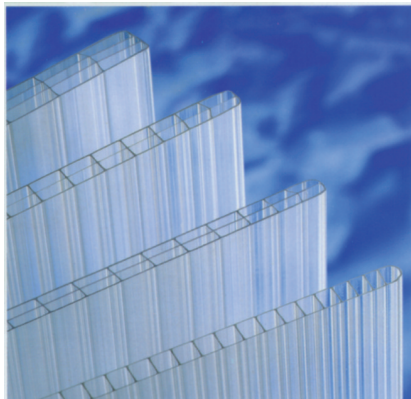
PROFILO BATTENTE  
Peso kg. 2,5 ca. al mt.



A = 31 - 36 - 41

PROFILO PORTAPANNELLO  
Peso kg. 1,8 ca. al mt.

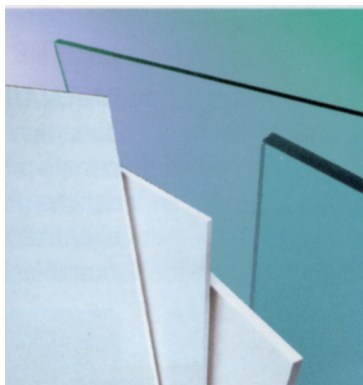
# LASTRE POLICARBONATO ALVEOLARE



Spessore mm. 6 - 10 - 16 - 20  
formato 2100 x 6000  
e/o 2100 x 3000

# LASTRE POLICARBONATO COMPATTO

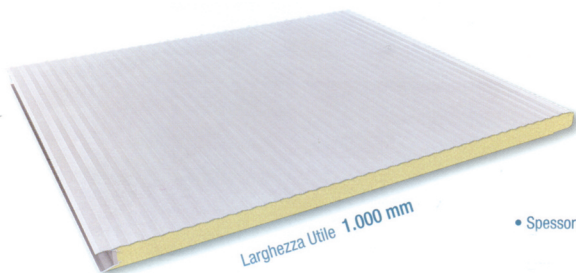
Spessore  
mm. 3 - 4 - 5 - 6 - 8 - 10  
formato 2050 x 3050



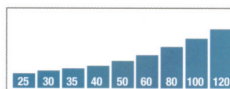
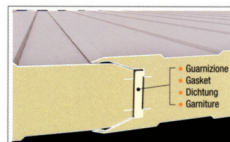
**SI EFFETTUA  
TAGLIO  
SU MISURA**

# PANNELLI PARETE

## PANNELLI PER L'EDILIZIA INDUSTRIALE CON FISSAGGIO A VISTA



• Spessore (mm)



Spessore Pannello (mm)	Trasmittanza Termica (U)		Peso Pannelli Acciaio/Acciaio Spessore nominale 0,50 mm (Kg./m <sup>2</sup> )
	W/m <sup>2</sup> K		
25	0.777		8.55
30	0.658		8.75
35	0.570		8.95
40	0.500		9.15
50	0.409		9.55
60	0.344		9.95
80	0.261		10.75
100	0.210		11.55
120	0.176		12.35

Il coefficiente di trasmissione termica (K) è stato calcolato considerando lo spessore reale dell'anima isolante tenendo conto delle resistenze superficiali.

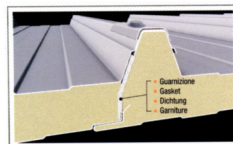
Spessore pannello (mm)	INTERASSE APPOGGI (cm) – Schema Statico - DUE Appoggi														
	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
25	157	133	115	97	68	-	-	-	-	-	-	-	-	-	-
30	190	161	140	124	102	75	-	-	-	-	-	-	-	-	-
35	223	190	165	146	130	104	78	-	-	-	-	-	-	-	-
40	256	218	190	168	150	136	105	81	63	-	-	-	-	-	-
50	322	275	239	212	190	172	156	131	103	82	66	-	-	-	-
60	-	332	289	256	229	207	189	174	152	121	98	66	-	-	-
80	-	-	-	344	308	279	255	235	217	202	182	124	88	63	-
100	-	-	-	-	-	-	321	296	274	255	238	200	142	104	78
120	-	-	-	-	-	-	-	356	330	307	287	254	209	154	116

Spessore pannello (mm)	INTERASSE APPOGGI (cm) – Schema Statico - TRE O PIU' Appoggi														
	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
25	157	133	115	102	82	59	-	-	-	-	-	-	-	-	-
30	190	161	140	124	110	89	67	-	-	-	-	-	-	-	-
35	223	190	165	146	130	118	94	72	-	-	-	-	-	-	-
40	256	218	190	168	150	136	124	97	75	-	-	-	-	-	-
50	322	275	239	212	190	172	156	144	123	98	79	-	-	-	-
60	-	332	289	256	229	207	189	174	161	146	118	79	-	-	-
80	-	-	-	344	308	279	255	235	217	202	189	149	105	76	-
100	-	-	-	-	-	-	321	296	274	255	238	210	171	125	93
120	-	-	-	-	-	-	-	356	330	307	287	254	227	185	139

Carichi uniformemente distribuiti ammissibili (coefficiente di sicurezza 2.5) in Kg./m<sup>2</sup> (rapporto di conversione 1 Kg./m<sup>2</sup> = 0.00981 KN/m<sup>2</sup>). Le tabelle sono state sviluppate con rapporti in acciaio spessore mm. 0,50 imponendo la limitazione di deformazione: freccia f = 1/200 L.

# PANNELLI COPERTURA

## ACCIAIO



Spessore Pannello (mm)	Trasmittanza Termica (U)	Peso Pannelli con supporti in Acciaio/Acciaio Spessore nominale 0.50 mm (Kg./m <sup>2</sup> )
	W/m <sup>2</sup> K	
30	0.652	9.65
40	0.498	10.05
50	0.406	10.45
60	0.342	10.85
80	0.260	11.65
100	0.209	12.45
120	0.175	13.25

Il coefficiente di trasmissione termica (K) è stato calcolato considerando lo spessore reale dell'anima isolante senza il contributo delle greche e tenendo conto delle resistenze superficiali.

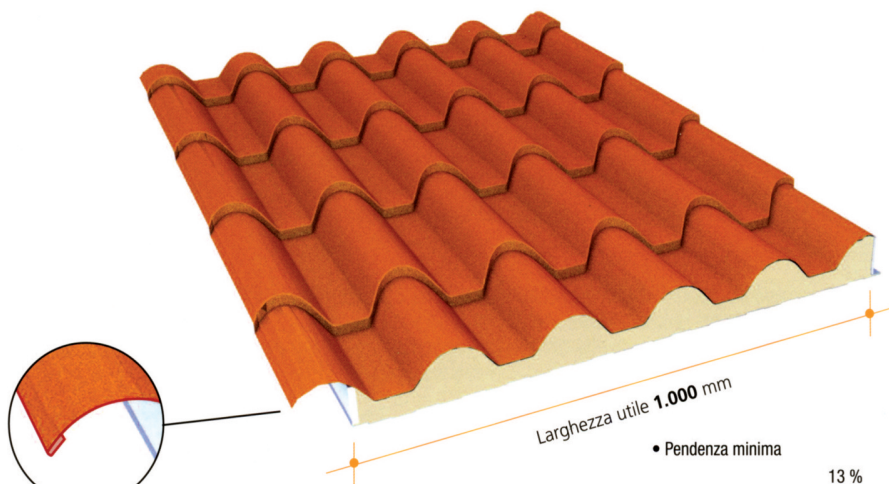
Spessore pannello (mm)	INTERASSE APPOGGI (cm) - Schema Statico - DUE Appoggi														
	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
30	330	282	245	217	177	145	120	101	86	71	-	-	-	-	-
40	381	325	283	251	225	193	161	135	115	99	85	-	-	-	-
50	-	373	325	288	258	234	205	173	148	128	111	81	-	-	-
60	-	-	369	327	293	266	243	214	183	158	138	107	78	-	-
80	-	-	-	-	367	332	304	279	259	224	196	152	121	95	-
100	-	-	-	-	-	-	366	337	312	291	257	201	160	130	108
120	-	-	-	-	-	-	-	396	365	342	317	252	201	164	136

Spessore pannello (mm)	INTERASSE APPOGGI (cm) - Schema Statico - TRE O PIU' Appoggi														
	150	175	200	225	250	275	300	325	350	375	400	450	500	550	600
30	330	282	245	217	194	176	153	129	107	85	-	-	-	-	-
40	381	325	283	251	225	203	186	171	147	127	102	-	-	-	-
50	-	373	325	288	258	234	211	196	180	162	141	98	-	-	-
60	-	-	369	327	293	266	243	223	205	192	175	133	93	-	-
80	-	-	-	-	367	332	305	279	259	241	225	193	154	114	-
100	-	-	-	-	-	-	366	337	310	291	272	240	204	166	130
120	-	-	-	-	-	-	-	396	365	342	317	280	251	208	173

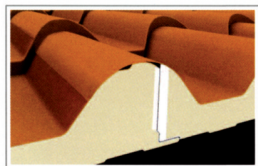
Carichi uniformemente distribuiti ammissibili (coefficiente di sicurezza 2.5) in Kg./m<sup>2</sup> (rapporto di conversione 1 Kg./m<sup>2</sup> = 0.00981 KN/m<sup>2</sup>). Le tabelle sono state sviluppate con rapporti in acciaio spessore mm. 0,50 imponendo la limitazione di deformazione: freccia f = 1/200 L.

# FINTOCOPPO

## Caratteristiche tecniche

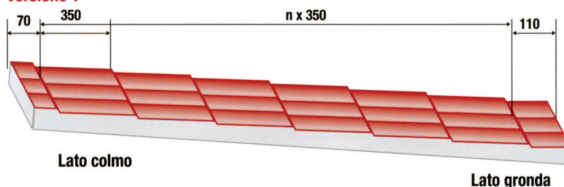


62

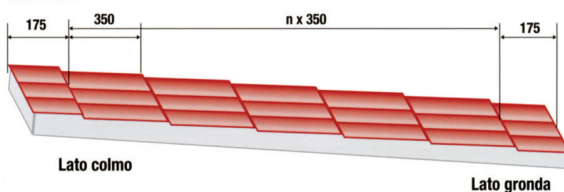


• SPESSORE MEDIO

### Versione 1



### Versione 2



### Versione 1

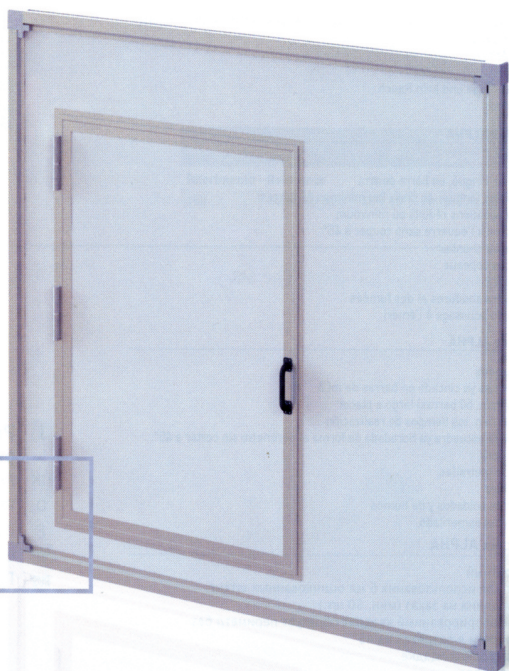
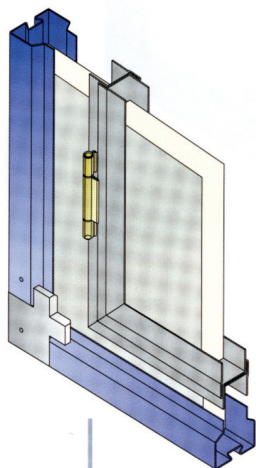
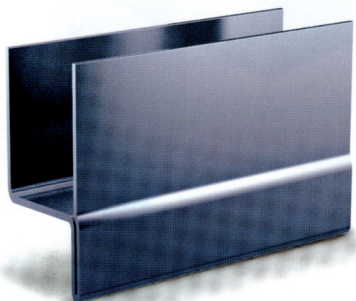
Ogni dimensione deve essere un multiplo di 350 mm (+ 180 mm) per un intervallo di misure compreso fra 2.280 mm e 13.480 mm

### Versione 2

Ogni dimensione deve essere un multiplo di 350 mm per un intervallo di misure compreso fra 2.100 mm e 13.300 mm

# ACCESSORI PER PORTONI

## PROFILI PER PORTA



# QUALITÀ DEGLI ACCIAI

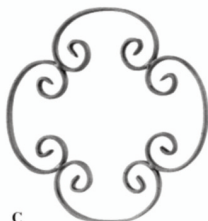
DESIGNAZIONE		PRECEDENTI DESIGNAZIONI EQUIVALENTI					
Secondo EN 10027 - 1 ed ECISS IC 10	Secondo EN 10027 - 2	Secondo EN 10025:1990	Germania	Francia	Regno Unito	Spagna	Italia
<b>S 185</b>	<b>1.0035</b>	Fe 310-0	St 33	A 33	–	A310-0	Fe 320
<b>S235JR</b>	<b>1.0037</b>	Fe 360 B	St 37-2	E24-2 B	–		Fe 360B
<b>S235JRG1</b>	<b>1.0036</b>	Fe 360 BFU	USt 37-2	–	–	AE 235 B-FU	
<b>S235JRG2</b>	<b>1.0038</b>	Fe 360 BFN	RSt 37-2	–	40B	AE 235 B-FN	
<b>S235JO</b>	<b>1.0114</b>	Fe 360 C	USt 37-3 U	E24-3	40C	AE 235 C	Fe 360 C
<b>S235J2G3</b>	<b>1.0116</b>	Fe 360 D1	USt 37-3 N	E 24-4	40D	AE 235 D	Fe 360 D
<b>S235J2G4</b>	<b>1.0117</b>	Fe 360 D2		–	–	–	–
<b>S275JR</b>	<b>1.0044</b>	Fe 430 B	St 44-2	E 28-2		AE 275 B	Fe 430 B
<b>S275J0</b>	<b>1.0143</b>	Fe 430 C	St 44-3U	E 28-3	43B	AE 275 C	Fe 430 C
<b>S235J2G3</b>	<b>1.0144</b>	Fe 430 D1	St 44-3N	E 28-4	43C	AE 275 D	Fe 430 D
<b>S235J2G4</b>	<b>1.0145</b>	Fe 430 D2	–	–	43D		–
<b>S355JR</b>	<b>1.0045</b>	Fe 510 B	–	E 36-2		AE 355 B	Fe 510 B
<b>S355J0</b>	<b>1.0553</b>	Fe 510 B	–	E 36-2		AE 355 C	Fe 510 C
<b>S355J2G3</b>	<b>1.0570</b>	Fe 510 D1	St 52-3N	–	50B	AE 355 D	Fe 510 D
<b>S355J2G4</b>	<b>1.0577</b>	Fe 510 D2	–	–	50C		–
<b>S355K2G3</b>	<b>1.0595</b>	Fe 510 DD1	–	E 36-4	50DF		–
<b>S355K2G4</b>	<b>1.0596</b>	FE 510 DD2	–	–	–		–
<b>E295</b>	<b>1.0050</b>	Fe 490-2	St 50-2	A 50-2	50DD	A 490	Fe 490
<b>E335</b>	<b>1.0060</b>	Fe 590-2	St 60-2	A 60-2		A 590	Fe 590
<b>E360</b>	<b>1.0070</b>	Fe 690-2	St 70-2	A 70-2		A 690	Fe 690



# FERRI BATTUTI



A



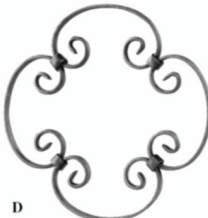
C



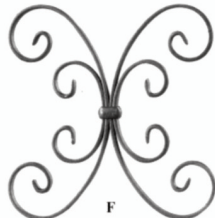
E



B



D



F



G



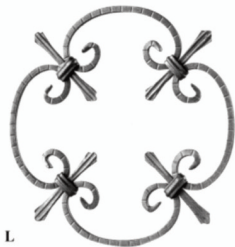
I



M



H

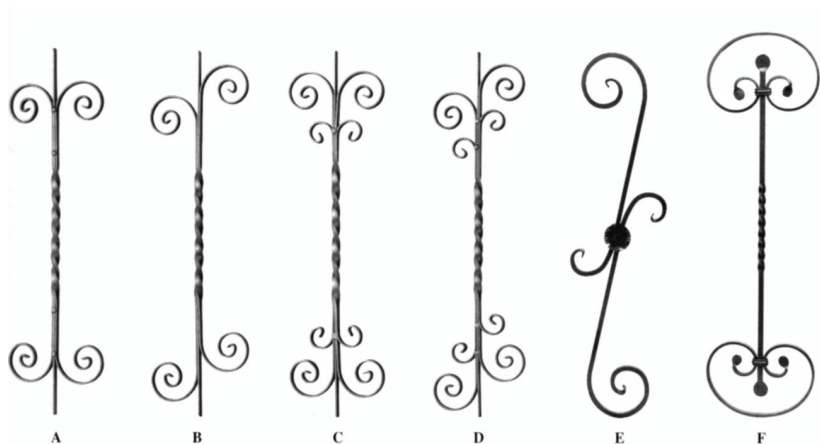


L

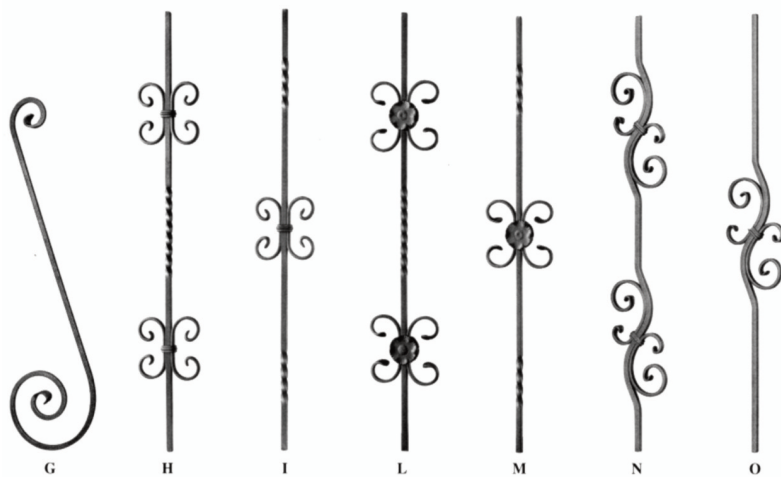


N

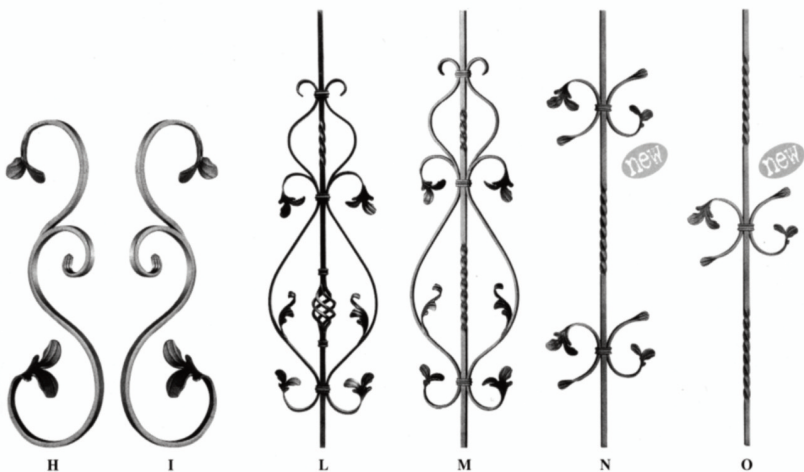
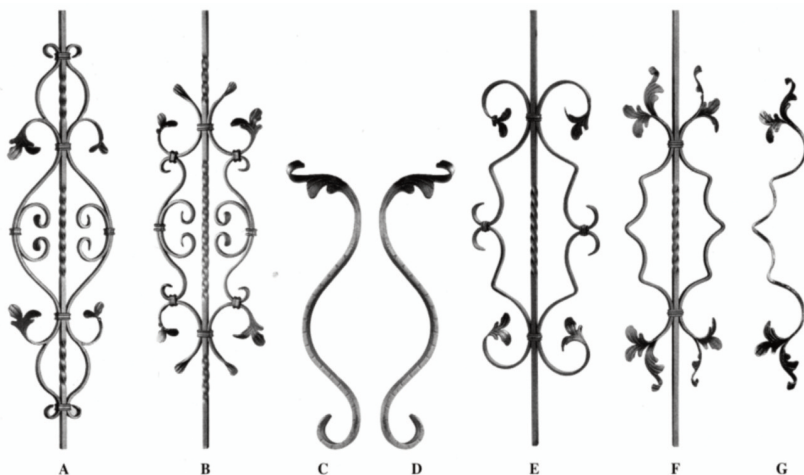
# FERRI BATTUTI



66

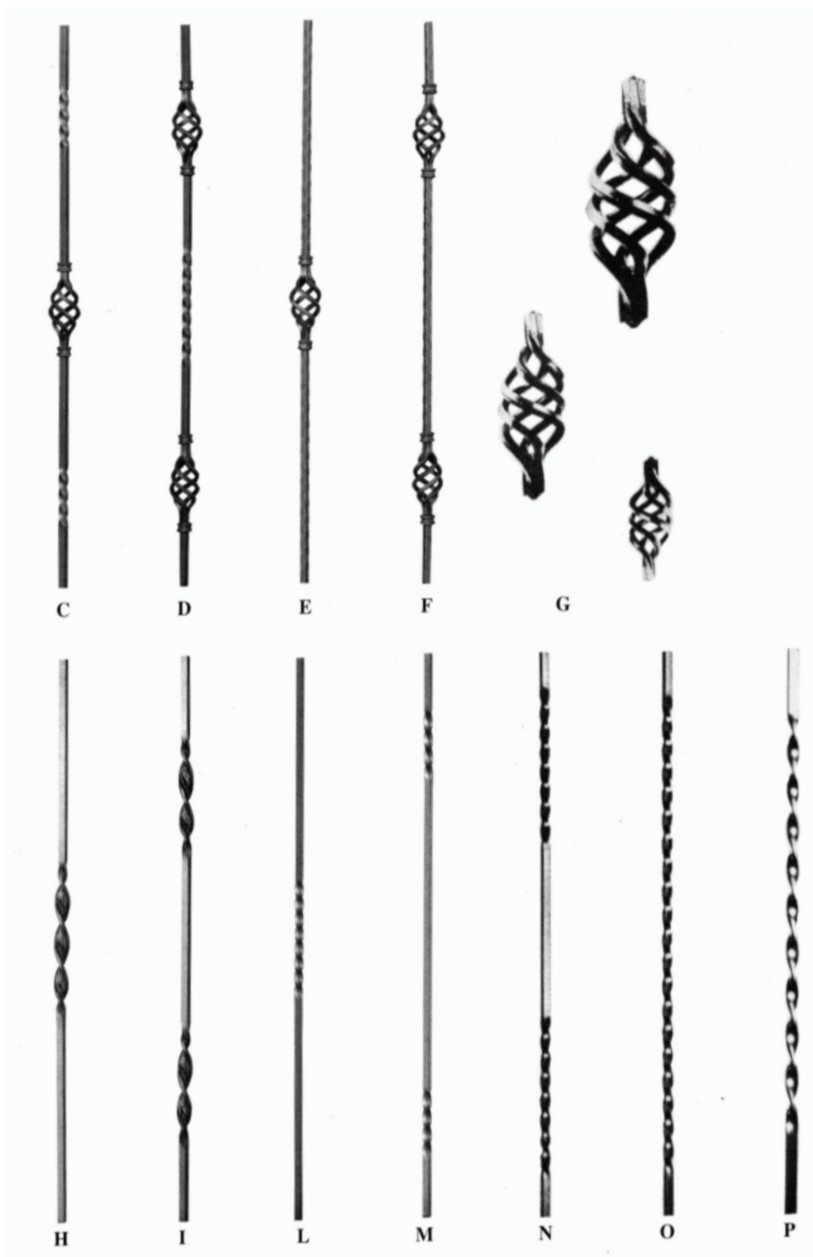


# PROFILI ARTISTICI

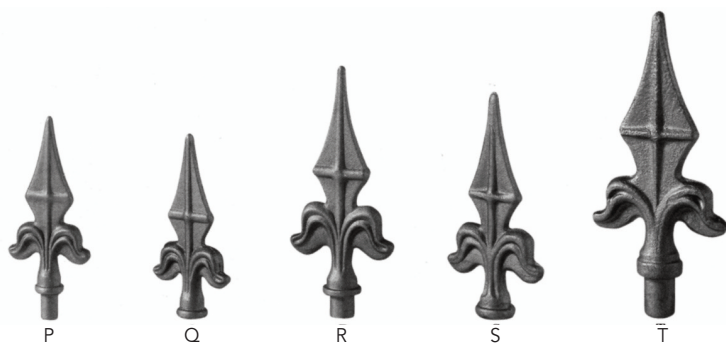
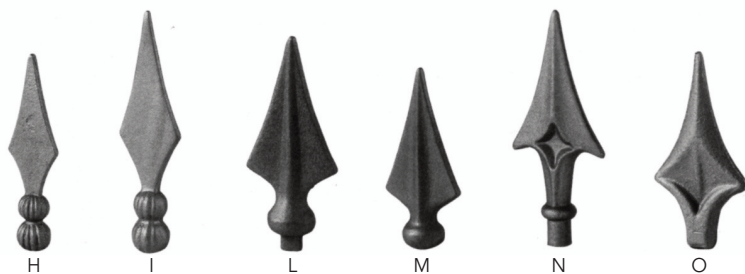
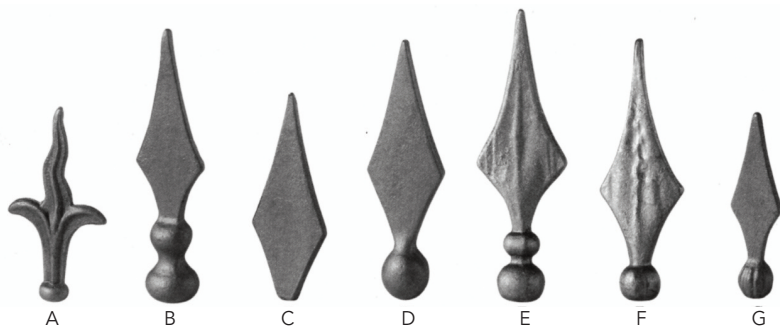


# PROFILI ARTISTICI

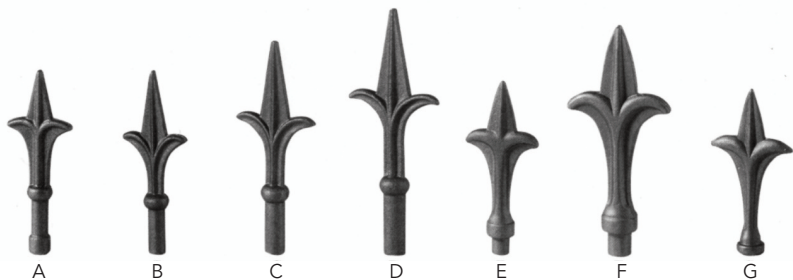
68

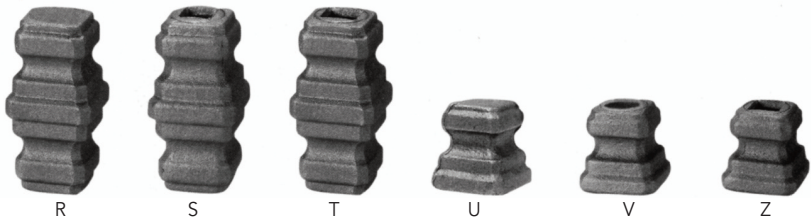
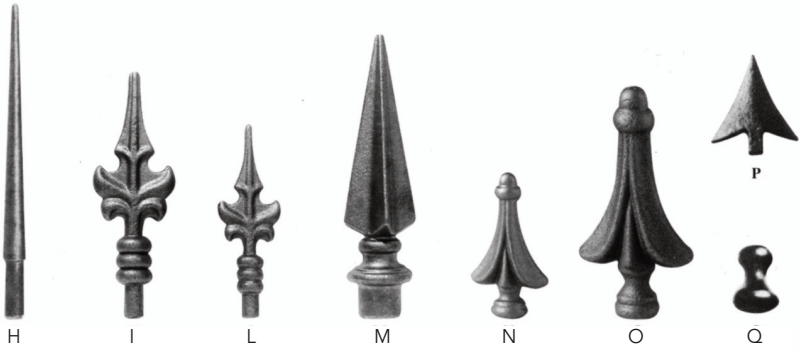
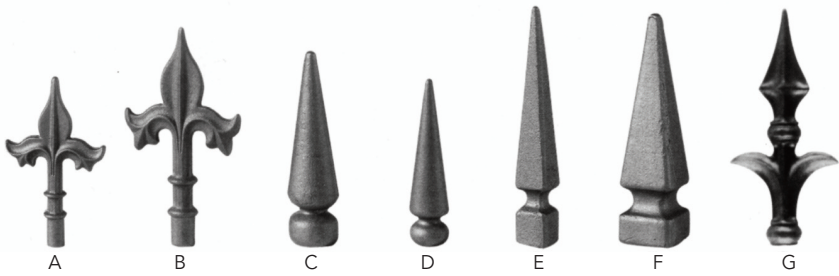


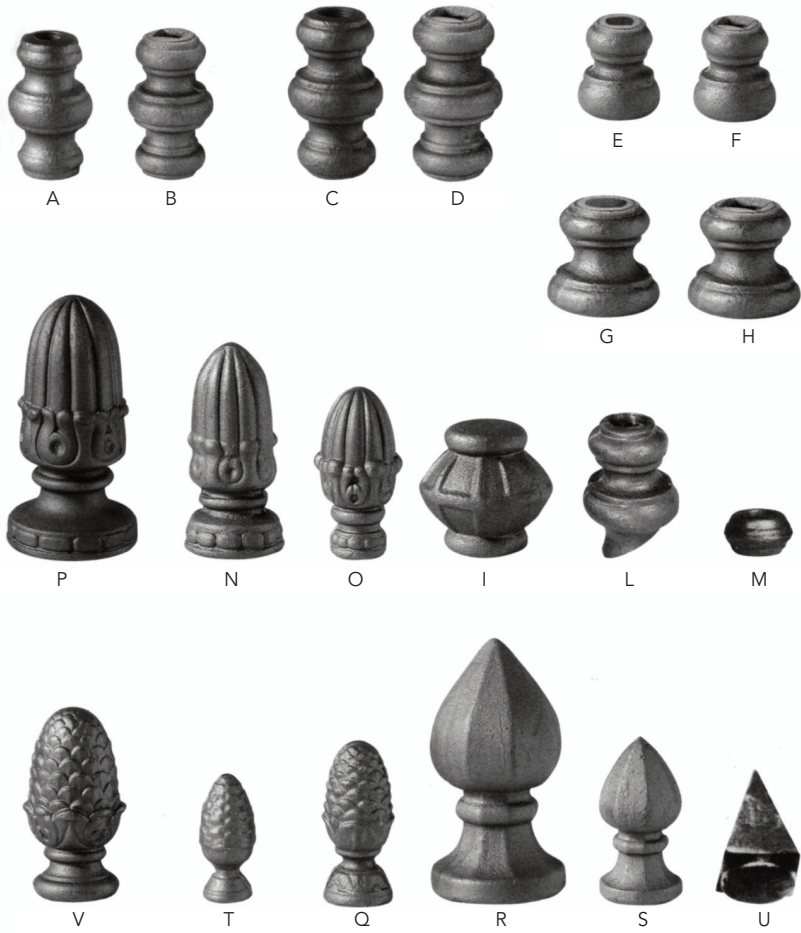
# LANCE E BORCHIE



# LANCE E BORCHIE

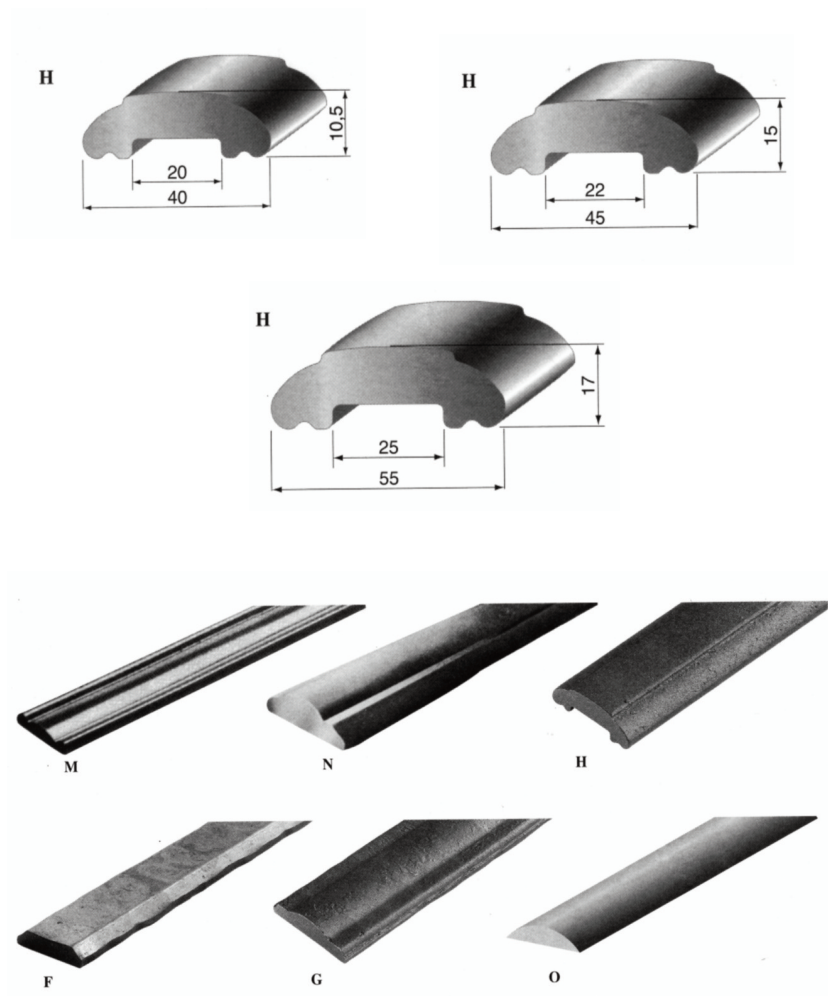


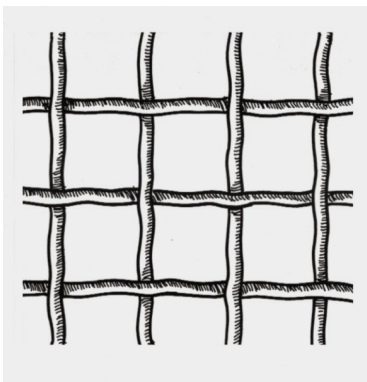






# CORRIMANI E PIATTI MARTELLATI





# RETI ONDULATE

*tabella dei pesi approssimativi*

MAGLIA

filo mm.

1,5 2 2,2 2,4 2,7 3,0 3,5 4,0 4,5 5,0 6,0 7,0 8,0

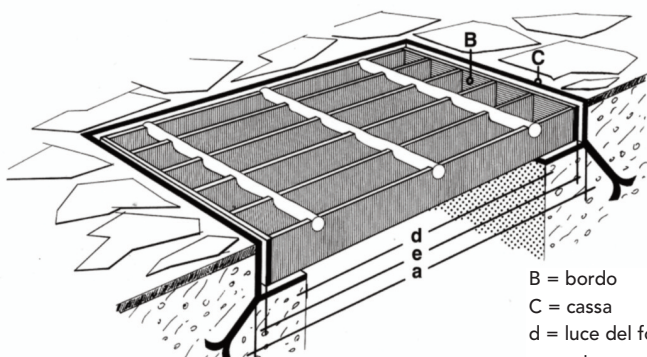
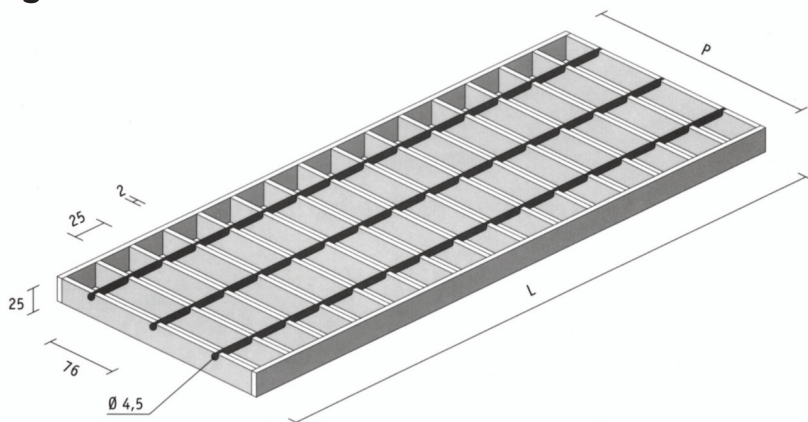
PESO kg

MAGLIA	1,5	2	2,2	2,4	2,7	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0
8x8	3,0	-	-	-	-	-	-	-	-	-	-	-	-
10x10	2,9	4,5	-	-	-	-	-	-	-	-	-	-	-
12x12	-	3,6	4,5	-	-	-	-	-	-	-	-	-	-
15x15	-	-	3,8	4,6	-	-	-	-	-	-	-	-	-
20x20	-	-	3,1	3,6	4,5	5,6	-	-	-	-	-	-	-
25x25	-	-	-	-	4,0	4,8	5,6	6,6	-	-	-	-	-
30x30	-	-	-	-	-	3,7	4,8	6,3	8,1	9,0	-	-	-
40x40	-	-	-	-	-	-	3,9	5,3	6,1	7,4	-	-	-
45x45	-	-	-	-	-	-	-	4,9	5,9	7,1	-	-	-
50x50	-	-	-	-	-	-	-	4,7	5,5	6,9	8,8	-	-
55x55	-	-	-	-	-	-	-	4,1	4,9	6,3	8,4	-	-
60x60	-	-	-	-	-	-	-	-	-	5,1	7,4	-	-
75x75	-	-	-	-	-	-	-	-	-	4,5	6,4	-	-
80x80	-	-	-	-	-	-	-	-	-	-	6,1	-	-
100x100	-	-	-	-	-	-	-	-	-	-	4,3	6,0	9,8

I pesi sopraindicati sono approssimativi e non impegnativi.

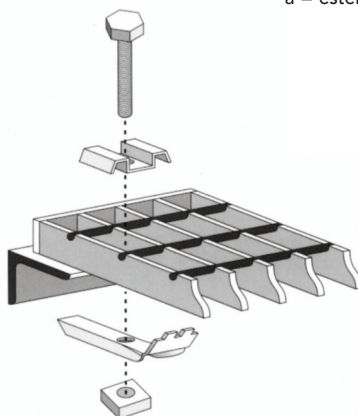
# GRIGLIATI

maglia mm. 15x76 - 25x76 - 34x76



B = bordo  
C = cassa  
d = luce del foro  
e = esterno pannello  
a = esterno cassa

**Ganci zincati  
per fissaggio  
pannelli**

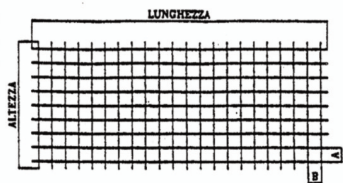


# LAMIERE ACCIAIO INOX

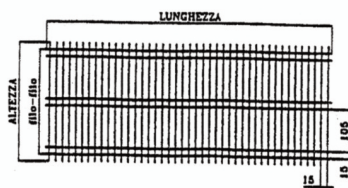
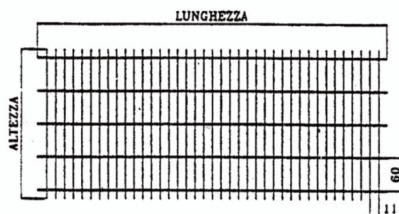
Spessore (mm)	Peso (kg/mq)	1000 x 2000	1250 x 2500	1500 x 3000
------------------	-----------------	-------------------	-------------------	-------------------

0,5	4,0	8	-	-
0,6	4,8	10	-	-
0,8	6,3	13	20	-
1	8,0	16	25	36
1,2	9,5	19	30	43
1,5	12,0	24	38	54
2	16,0	32	50	71
2,5	20,0	40	62	89
3	24,0	48	74	107
4	31,7	63	99	143
5	39,7	79	124	178
6	47,8	95	149	214
8	63,4	127	198	285
10	79,3	159	248	357
12	95,2	190	297	428

# RETE ELETTROSALDATA



maglia mm.	diametro filo	dimensioni
25 x 25	3,0	1225 x 2000
30 x 30	3,0	1200 x 2400
40 x 40	4,0	1200 x 2400
50 x 50	3,0	1200 x 2400

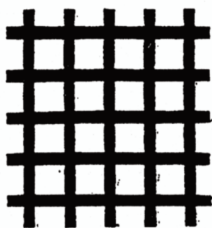
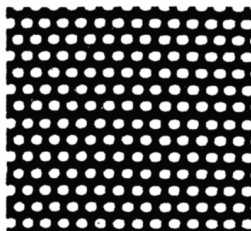
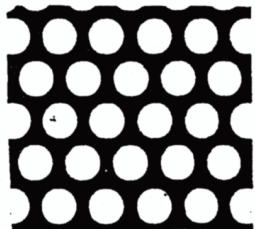


## in ferro e in acciaio inox

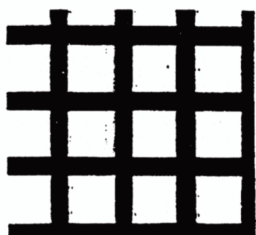
maglia mm.	diametro filo	dimensioni
TEC/15+105	3,0	1240 x 2400
RT. 60 x 11	3,0	1200 x 2400

# LAMIERE FORATE

*Dimensioni fuori spessore su richiesta*



mm 5 x 5



mm 8 x 8



mm 10 x 10

## ACCESSORI PER CANCELLI E PORTONI cardine a saldare



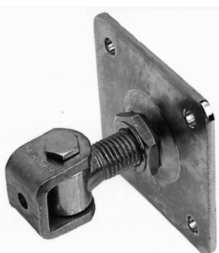
articolo	D	d	F	G	I	H	S	A
	diametro		UNI			mm.		
<b>C 20 - CT 00 20 SO</b>	25	14	M 20	51-70	24	39	6	20,5
<b>C 24 - CT 00 24 SO</b>	29	17	M 24	57-76	28	48	6	25,5
<b>C 20 Inox - CI 00 20</b>	25	14	M 20	51-70	24	39	6	20,5

## cardine a saldare registrabile

articolo	D	d	F	G	I	H	S	A
	diametro		UNI			mm.		
<b>CR 20 - CT 00 20 RO</b>	28	14	M 20	57-80	24	39	6	16
<b>CR 24 - CT 00 24 RO</b>	34	17	M 24	65-90	28	48	6	19



79



## cardine registrabile con piastra

articolo	L	d	F	G	I	H	S	A
	diametro		UNI			mm.		
<b>CR 20 P - CT 00 20 RP</b>	100	14	M 20	46-24	24	39	6	20
<b>CR 24 P - CT 00 24 RP</b>	120	17	M 24	52-76	28	48	6	20

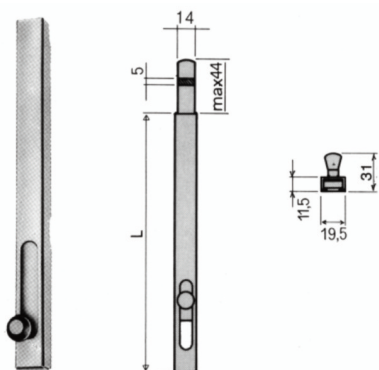
## cardine con barra lunga

articolo	d	F	G	I	H	H	S	A
	diametro		UNI				mm.	
<b>CL 20 - CT 00 20 LD</b>	14	M 20	145	24	20	39	6	8
<b>CR 24 - CT 00 24 RO</b>	17	M 24	65-90	28	23	48	6	19

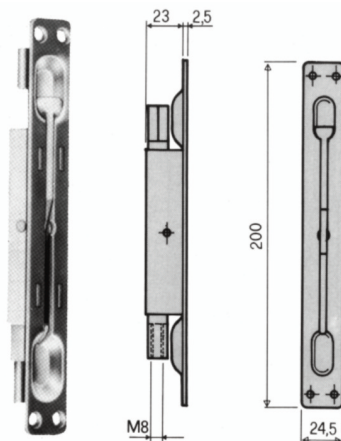


# ACCESSORI PER SERRAMENTI

**Catenaccio a saldare  
zincato**

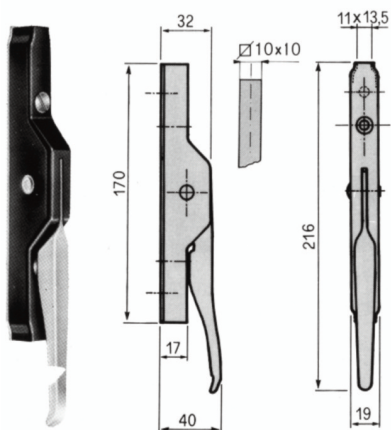


**Catenaccio ad incasso  
doppio tropicalizzato**

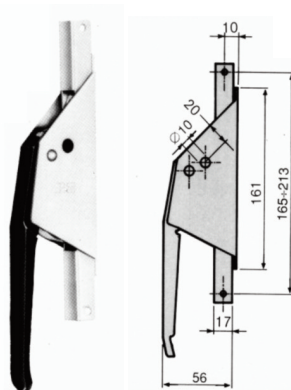


80

**Cariglione "Leo"**



**Cariglione "Car"**





**Maniglione tubolare  
per portoni zincato**



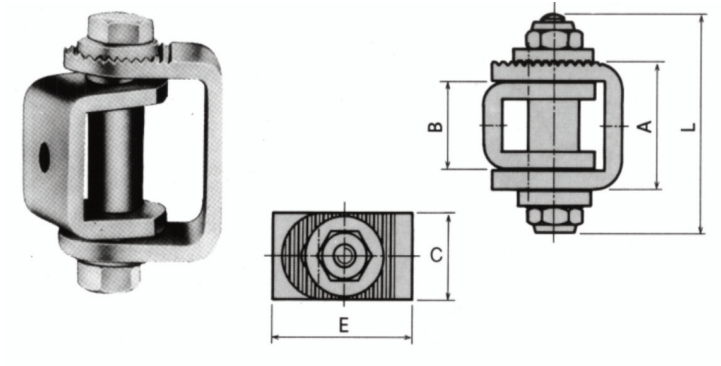
**Maniglione tubolare  
per portoni zincato**



**Maniglione tubolare  
per portoni**

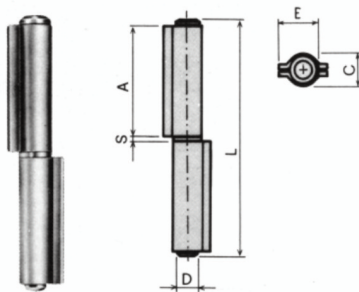


## Cardine regolabile

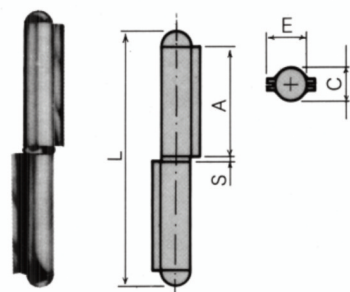


82

## Cerniera a due ali

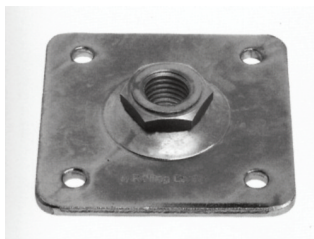


## Cerniera a tappo



## cardine a muro

articolo	d	F	G	I	H	S	A
	diametro		UNI			mm.	
<b>CM 20 - CT 00 20 MO</b>	14	M 20	46-70	24	39	6	95
<b>CR 24 - CT 00 24 MO</b>	17	M 24	52-76	28	48	6	100



## piastra registrabile per cardine

articolo	L	F	S	A	I	d1
		UNI		mm.		
<b>PR 20 - PT 00 20 RO</b>	100	M 20	5	20	70	9
<b>PR 24 - PT 00 24 RO</b>	120	M 24	6	20	90	11

## piastra e perno per cancelli ad ante

articolo	L x H x S	A	B	C
		mm.		
<b>P 20 - CT 00 20 PO</b>	70 x 60 x 15	30	75	13
<b>P 24 - CT 00 24 PO</b>	80 x 70 x 20	35	88	19
<b>P 20 Inox - CI 00 20 PO</b>	70 x 60x 15	30	75	13

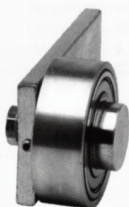


## FERMI D'ARRESTO



articolo	L	H	A	B	C
			mm.		
<b>F 105 - FT 92 77 00</b>	92	77	63	35	20

# PIASTRE GIREVOLI PER CANCELLI LEGGERI E PESANTI



articolo	D	d	A	H	B	L	S	G	Capacità Portata	
	diametro		mm.							
<b>PG 50 S - CT 00 50 DS</b>	50	20	20	38	40	80	8	52-64	600	
<b>PG 70 S - CT 00 70 DS</b>	70	32	25	45	60	120	10	85-100	1000	
<b>PG 70 SI - CI 00 70 DS</b>	70	32	25	45	60	120	8	85-100	1000	

articolo	D	d	H	Capacità Portata
	diametro		mm.	
<b>PG 50 I - CT 00 50 DI</b>	50	20	40	600
<b>PG 70 I - CT 00 70 DI</b>	70	32	60	1000
<b>PG 70 II - CI 00 70 DI</b>	70	32	60	1000



84

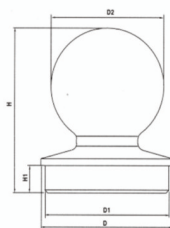
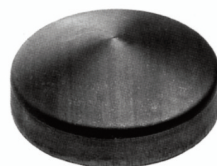
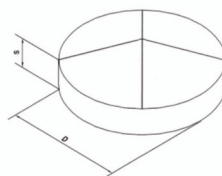
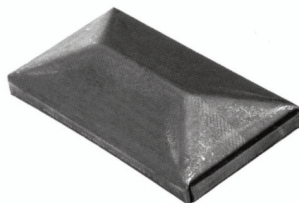
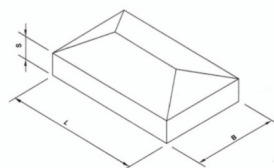
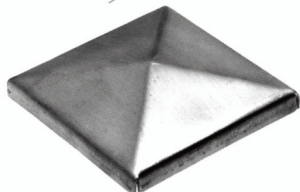
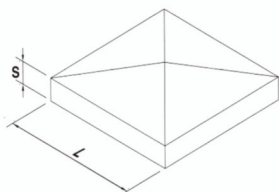
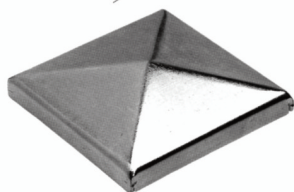
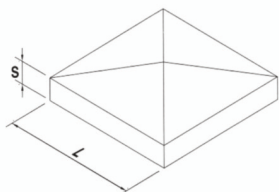
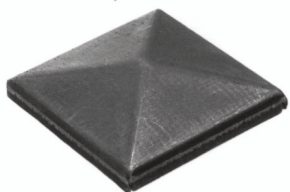
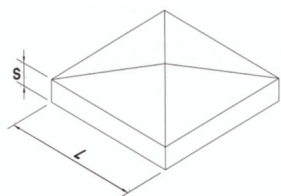
articolo	D	d	A	H	B	L	C	S	G	Capacità Portata
	diametro		mm.							
<b>PG 50 S2 - CT 00 50 LS</b>	50	20	20	38	40	80	70	8	52-64	400
<b>PG 70 S2 - CT 00 70 LS</b>	70	32	25	45	60	120	90	10	85-	800



articolo	D	d	A	H	B	L	C	S	G	Capacità Portata
	diametro		mm.							
<b>PG 50 I2 - CT 00 50 LI</b>	50	8	30	30	40	80	70	8	52-64	200
<b>PG 70 I2 - CT 00 70 LI</b>	70	32	35	35	60	120	90	10	85-100	500

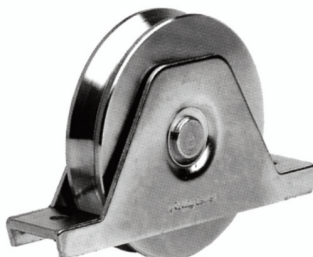


# COPRICOLONNA IN FERRO



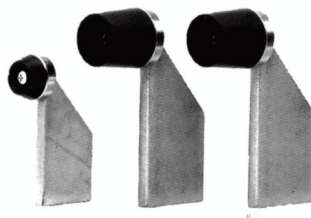
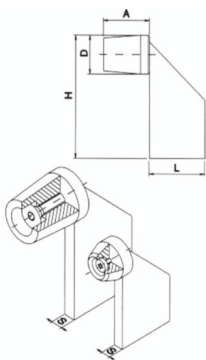
# RUOTE

*Disponibili con gola a V e gola tonda*

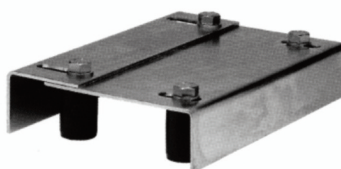
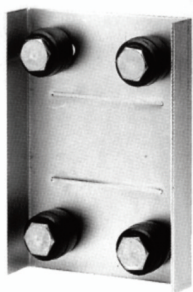


86

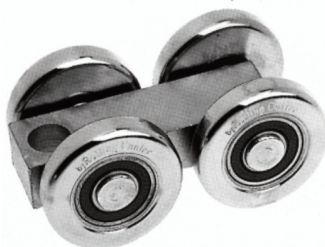
# FERMI DI FINE CORSA



## PIASTRE E RULLI GUIDA



## GUIDA E CARRELLO IN ACCIAIO PER PORTONI



I valori contenuti nelle tabelle del presente prontuario sono da considerarsi **modificabili e non vincolanti**.