



TONDI

dimensioni diametro mm	peso kg/m	dimensioni diametro mm	peso kg/m	dimensioni diametro mm	peso kg/m	dimensioni diametro mm	peso kg/m
3	0,06	24	3,55	58	20,70	130	104
4	0,10	25	3,85	60	22,20	135	112
5	0,154	26	4,17	63	24,50	140	121
6	0,222	27	4,49	65	26,00	145	130
7	0,302	28	4,83	68	28,50	150	139
8	0,395	30	5,55	70	30,20	155	148
9	0,499	32	6,31	73	32,90	160	158
10	0,617	33	6,71	75	34,70	170	178
11	0,746	34	7,13	78	37,50	180	200
12	0,888	35	7,55	80	39,50	190	223
13	1,04	36	7,99	83	42,50	200	247
14	1,21	37	8,44	85	44,50	220	289
15	1,39	38	8,90	88	47,70	230	326,19
16	1,58	40	9,86	90	49,90	240	355,16
17	1,78	42	10,90	95	55,60	250	385,38
18	2,00	45	12,50	100	61,60		
19	2,23	48	14,20	105	68,00		
20	2,47	50	15,40	110	74,60		
21	2,72	52	16,70	115	81,50		
22	2,96	53	17,30	120	88,80		
23	3,26	55	18,70	125	96,30		



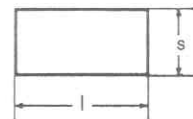
QUADRI

dimensioni lato mm	peso kg/m	dimensioni lato mm	peso kg/m	dimensioni lato mm	peso kg/m	dimensioni lato mm	peso kg/m
5	0,196	18	2,54	45	15,9	140	154
6	0,283	19	2,83	50	19,6	150	177
7	0,385	20	3,14	55	23,7		
8	0,502	22	3,80	60	28,3		
9	0,636	25	4,91	65	33,2		
10	0,785	26	5,31	70	38,5		
11	0,950	28	6,15	80	50,2		
12	1,13	30	7,07	90	63,6		
13	1,33	32	8,04	100	76,5		
14	1,54	35	9,62	110	95,0		
15	1,77	38	11,3	120	113		
16	2,01	40	12,6	130	133		



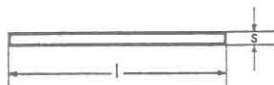
PIATTI

dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m
10 x 3	0,235	20 x 5	0,785	35 x 5	1,37	50 x 6	2,36
10 x 4	0,314	20 x 6	0,942	35 x 6	1,65	50 x 8	3,14
10 x 5	0,392	20 x 8	1,260	35 x 8	2,20	50 x 10	3,92
10 x 6	0,471	20 x 10	1,570	35 x 10	2,75	50 x 12	4,71
12 x 3	0,283	20 x 12	1,880	35 x 12	3,30	50 x 15	5,89
12 x 4	0,377	20 x 15	2,360	35 x 15	4,12	50 x 20	7,85
12 x 5	0,471	22 x 3	0,518	35 x 20	5,50	50 x 25	9,81
12 x 6	0,565	22 x 4	0,691	35 x 25	6,87	50 x 30	11,8
12 x 8	0,754	22 x 5	0,864	40 x 3	0,942	50 x 40	15,7
14 x 3	0,330	22 x 6	1,040	40 x 4	1,26	60 x 3	1,413
14 x 4	0,440	22 x 8	1,38	40 x 5	1,57	60 x 4	1,88
14 x 5	0,550	22 x 10	1,73	40 x 6	1,88	60 x 5	2,36
14 x 6	0,659	22 x 12	2,07	40 x 8	2,51	60 x 6	2,83
14 x 8	0,879	22 x 15	2,59	40 x 10	3,14	60 x 8	3,77
15 x 3	0,353	25 x 3	0,589	40 x 12	3,77	60 x 10	4,71
15 x 4	0,471	25 x 4	0,785	40 x 15	4,71	60 x 12	5,65
15 x 5	0,589	25 x 5	0,981	40 x 20	6,28	60 x 15	7,06
15 x 6	0,706	25 x 6	1,18	40 x 25	7,85	60 x 20	9,42
15 x 8	0,942	25 x 8	1,57	40 x 30	9,42	60 x 25	11,8
15 x 10	1,17	25 x 10	1,95	45 x 3	1,059	60 x 30	14,1
16 x 3	0,377	25 x 12	2,36	45 x 4	1,41	60 x 40	18,8
16 x 4	0,502	25 x 15	2,94	45 x 5	1,77	60 x 50	23,6
16 x 5	0,628	30 x 3	0,706	45 x 6	2,12	70 x 3	1,648
16 x 6	0,754	30 x 4	0,942	45 x 8	2,83	70 x 4	2,20
16 x 8	1,00	30 x 5	1,18	45 x 10	3,53	70 x 5	2,75
16 x 10	1,26	30 x 6	1,41	45 x 12	4,24	70 x 6	3,30
18 x 3	0,424	30 x 8	1,88	45 x 15	5,30	70 x 8	4,40
18 x 4	0,565	30 x 10	2,36	45 x 20	7,09	70 x 10	5,50
18 x 5	0,706	30 x 12	2,83	45 x 25	8,83	70 x 12	6,59
18 x 6	0,848	30 x 15	3,53	45 x 30	10,6	70 x 15	8,24
18 x 8	1,130	30 x 20	4,71	50 x 3	1,177	70 x 20	11,0
18 x 10	1,410	35 x 3	0,824	50 x 4	1,57	70 x 25	13,7
20 x 3	0,471	35 x 4	1,10	50 x 5	1,96	70 x 30	16,5
20 x 4	0,628						



PIATTI

dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m
70 x 40	22,0	100 x 5	3,92	120 x 25	23,6	150 x 4	4,71
70 x 50	27,5	100 x 6	4,71	120 x 30	28,3	150 x 5	5,89
70 x 60	33,0	100 x 8	6,28	120 x 40	37,7	150 x 6	7,06
80 x 3	1,884	100 x 10	7,85	120 x 50	47,1	150 x 8	9,42
80 x 4	2,51	100 x 12	9,42	120 x 60	56,5	150 x 10	11,8
80 x 5	3,14	100 x 15	11,8	130 x 4	4,08	150 x 12	14,1
80 x 6	3,77	100 x 20	15,7	130 x 5	5,10	150 x 15	17,7
80 x 8	5,02	100 x 25	19,6	130 x 6	6,12	150 x 20	23,6
80 x 10	6,28	100 x 30	23,6	130 x 8	8,16	150 x 25	29,4
80 x 12	7,54	100 x 40	31,4	130 x 10	10,2	150 x 30	35,3
80 x 15	9,42	100 x 50	39,2	130 x 12	12,2	150 x 40	47,1
80 x 20	12,6	100 x 60	47,1	130 x 15	15,3	150 x 50	58,9
80 x 25	15,7	110 x 4	3,45	130 x 20	20,4	150 x 60	70,6
80 x 30	18,8	110 x 5	4,32	130 x 25	25,5		
80 x 40	25,1	110 x 6	5,18	130 x 30	30,6		
80 x 50	31,4	110 x 8	6,91	130 x 40	40,8		
80 x 60	37,7	110 x 10	8,64	130 x 50	51,0		
90 x 3	2,119	110 x 12	10,4	130 x 60	61,2		
90 x 4	2,83	110 x 15	13,0	140 x 3	3,297		
90 x 5	3,53	110 x 20	17,3	140 x 4	4,40		
90 x 6	4,24	110 x 25	21,6	140 x 5	5,50		
90 x 8	5,65	110 x 30	25,9	140 x 6	6,59		
90 x 10	7,06	110 x 40	34,5	140 x 8	8,79		
90 x 12	8,48	110 x 50	43,2	140 x 10	11,0		
90 x 15	10,6	110 x 60	51,8	140 x 12	13,2		
90 x 20	14,1	120 x 4	3,77	140 x 15	16,5		
90 x 25	17,7	120 x 5	4,71	140 x 20	22,0		
90 x 30	21,2	120 x 6	5,65	140 x 25	27,5		
90 x 40	28,3	120 x 8	7,54	140 x 30	33,0		
90 x 50	35,3	120 x 10	9,42	140 x 40	44,0		
90 x 60	42,4	120 x 12	11,3	140 x 50	55,0		
100 x 3	2,355	120 x 15	14,1	140 x 60	65,9		
100 x 4	3,14	120 x 20	18,8	150 x 3	3,532		

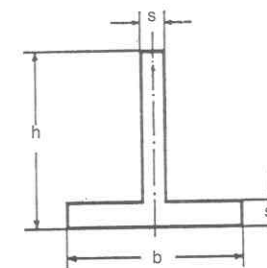


LARGHI PIATTI

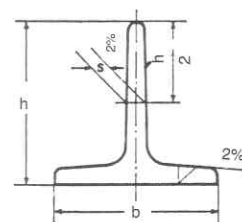
dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m
160 x 5	6,28	200 x 5	7,85	280 x 30	65,9	400 x 30	93,60
160 x 6	7,54	200 x 6	9,42	280 x 35	76,9	400 x 35	106,08
160 x 8	10,0	200 x 8	12,6	280 x 40	87,9	400 x 40	124,80
160 x 10	12,6	200 x 10	15,7	300 x 8	18,8	400 x 50	156,00
160 x 12	15,1	200 x 12	18,8	300 x 10	23,6	400 x 60	187,20
160 x 15	18,8	200 x 15	23,6	300 x 12	28,3	450 x 5	17,55
160 x 20	25,1	200 x 20	31,4	300 x 15	35,3	450 x 6	21,6
160 x 25	31,4	200 x 25	39,2	300 x 20	47,1	450 x 8	28,08
160 x 30	37,7	200 x 30	47,1	300 x 25	58,9	450 x 10	35,10
170 x 5	6,67	220 x 8	13,8	300 x 30	70,6	450 x 12	42,12
170 x 6	8,01	220 x 10	17,3	300 x 35	82,4	450 x 15	52,65
170 x 8	10,7	220 x 12	20,7	300 x 40	94,2	450 x 20	70,20
170 x 10	13,3	220 x 15	25,9	350 x 5	13,65	450 x 25	87,75
170 x 12	16,0	220 x 20	34,5	350 x 6	16,38	450 x 30	105,30
170 x 15	20,0	220 x 25	43,2	350 x 8	21,84	450 x 35	122,85
170 x 20	26,7	220 x 30	51,8	350 x 10	27,30	450 x 40	140,00
170 x 25	33,4	220 x 35	60,4	350 x 12	32,76	450 x 50	175,50
170 x 30	40,3	220 x 40	69,1	350 x 15	40,95	450 x 60	210,60
180 x 6	8,48	250 x 8	15,7	350 x 20	54,60	500 x 5	19,5
180 x 8	11,3	250 x 10	19,6	350 x 25	68,25	500 x 6	23,40
180 x 10	14,1	250 x 12	23,6	350 x 30	81,90	500 x 8	31,20
180 x 12	17,0	250 x 15	29,4	350 x 35	95,55	500 x 10	39,00
180 x 15	21,2	250 x 20	39,2	350 x 40	109,20	500 x 12	46,80
180 x 20	28,3	250 x 25	49,1	350 x 50	134,50	500 x 15	58,50
180 x 25	35,3	250 x 30	58,9	350 x 60	163,80	500 x 20	78,00
180 x 30	42,4	250 x 35	68,7	400 x 5	15,60	500 x 25	97,50
190 x 8	11,9	250 x 40	78,5	400 x 6	18,72	500 x 30	117,00
190 x 10	14,9	280 x 8	17,6	400 x 8	24,96	500 x 35	136,50
190 x 12	17,9	280 x 10	22,0	400 x 10	31,20	500 x 40	156,00
190 x 15	22,4	280 x 12	26,4	400 x 12	37,44	500 x 50	195,00
190 x 20	29,8	280 x 15	33,0	400 x 15	46,80	500 x 60	234,00
190 x 25	37,3	280 x 20	44,0	400 x 20	62,40		
190 x 30	44,7	280 x 25	55,0	400 x 25	78,00		

PROFILATI a T a spigoli vivi

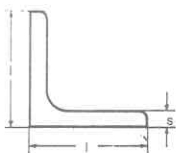
dimensioni profilo base mm	altezza mm	spessore mm	peso kg/m
20	20	4,0	1,13
25	25	4,5	1,61
30	30	5,0	2,16
35	35	5,5	2,78
40	40	6,0	3,49
45	45	6,5	4,26
50	50	7	5,11
60	60	8	7,03
70	70	9	9,26
80	80	10	11,80



PROFILATI a T a spigoli tondi



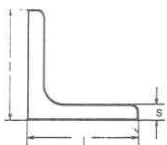
dimensioni profilo base mm	altezza mm	spessore mm	peso kg/m
60	30	5,5	3,65
60	60	7	6,23
70	70	8	8,32
80	80	9	10,7
100	100	11	16,4



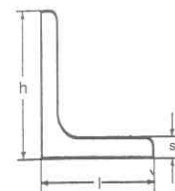
ANGOLARI a lati uguali ed a spigoli tondi

dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m
15 x 3	0,64	50 x 6	4,47	80 x 12	14,10	120 x 18	31,50
20 x 3	0,88	50 x 8	5,82	90 x 8	10,90	130 x 12	23,60
20 x 4	1,14	50 x 9	6,47	90 x 9	12,20	130 x 14	27,20
25 x 3	1,11	55 x 5	4,18	90 x 11	14,70	130 x 16	30,90
25 x 4	1,45	55 x 6	4,95	90 x 13	17,10	140 x 13	27,50
25 x 5	1,77	55 x 8	6,46	90 x 15	19,50	140 x 15	31,40
30 x 3	1,36	60 x 5	4,54	100 x 6	9,20	140 x 17	35,30
30 x 4	1,78	60 x 6	5,42	100 x 8	12,20	150 x 10	23,00
30 x 5	2,18	60 x 8	7,09	100 x 10	15,10	150 x 12	27,3
30 x 6	2,56	60 x 10	8,69	100 x 12	17,80	150 x 15	33,80
35 x 4	2,09	65 x 7	6,83	100 x 14	20,60	160 x 15	36,20
35 x 5	2,57	65 x 9	8,62	100 x 16	23,20	160 x 17	40,70
35 x 6	3,04	70 x 7	7,38	110 x 8	13,50	160 x 19	45,10
40 x 4	2,42	70 x 9	9,34	110 x 10	16,60	180 x 16	43,50
40 x 5	2,97	70 x 11	11,20	110 x 12	19,70	180 x 18	48,60
40 x 6	3,52	75 x 8	9,03	110 x 14	22,80	180 x 20	53,70
45 x 5	3,38	75 x 10	11,10	120 x 10	18,20	200 x 16	48,50
45 x 6	4,00	75 x 12	13,10	120 x 11	19,90	200 x 18	54,30
45 x 7	4,60	80 x 6	7,34	120 x 12	21,60	200 x 20	59,90
50 x 4	3,04	80 x 8	9,66	120 x 13	23,30		
50 x 5	3,77	80 x 10	11,90	120 x 15	26,60		

ANGOLARI a lati uguali ed a spigoli tondi serie alleggerita non unificata



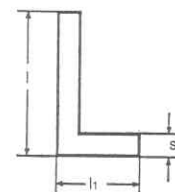
dimensioni Larghezza spessore mm mm	peso kg/m	dimensioni Larghezza spessore mm mm	peso kg/m
35 x 3	1,60	80 x 6	7,34
40 x 3	1,84	80 x 7	8,48
45 x 3	2,09	90 x 6	8,30
45 x 4	2,74	90 x 7	9,60
50 x 3	2,33	100 x 6	9,29
50 x 4	3,06	100 x 7	10,70
55 x 4	3,70	100 x 8	12,20
60 x 4	4,18	100 x 9	13,50
60 x 5	4,56	110 x 6	10,24
65 x 5	5,00	110 x 7	11,80
65 x 6	5,93	110 x 8	13,40
70 x 5	5,37	110 x 9	15,00
70 x 6	6,38	120 x 8	14,70
75 x 6	7,00	120 x 9	16,40
75 x 7	8,00	120 x 10	18,20



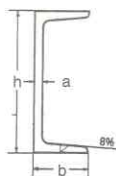
ANGOLARI a lati disuguali ed a spigoli tondi

dimensioni lato altezza spessore mm mm mm	peso kg/m	dimensioni lato altezza spessore mm mm mm	peso kg/m	dimensioni lato altezza spessore mm mm mm	peso kg/m	dimensioni lato altezza spessore mm mm mm	peso kg/m
20 x 30 x 4	1,45	30 x 60 x 6	3,99	60 x 80 x 10	10,20	80 x 120 x 12	17,8
20 x 30 x 5	1,77	30 x 60 x 7	4,59	60 x 90 x 6	6,82	80 x 120 x 14	20,5
20 x 35 x 4	1,61	40 x 60 x 5	3,76	60 x 120 x 8	10,90	90 x 200 x 9	20,2
20 x 35 x 5	1,97	40 x 60 x 6	4,46	60 x 120 x 10	13,4	90 x 200 x 10	22,2
20 x 40 x 4	1,77	40 x 60 x 7	5,14	65 x 100 x 7	8,77	90 x 200 x 11	24,6
20 x 40 x 5	2,17	40 x 80 x 6	5,41	65 x 100 x 8	9,94	90 x 200 x 12	26,3
25 x 40 x 4	1,92	40 x 80 x 8	7,07	65 x 100 x 9	11,1	90 x 200 x 15	32,5
25 x 40 x 5	2,36	50 x 75 x 6	5,65	65 x 100 x 11	13,4	100 x 150 x 10	19,3
30 x 40 x 5	2,76	50 x 75 x 7	6,53	65 x 130 x 8	11,9	100 x 150 x 12	22,6
30 x 45 x 4	2,25	50 x 75 x 9	8,22	65 x 130 x 10	14,6	100 x 150 x 14	26,1
30 x 45 x 5	2,77	50 x 100 x 6	6,85	65 x 130 x 12	17,3	100 x 200 x 10	23,0
30 x 45 x 6	3,27	50 x 100 x 8	8,99	75 x 100 x 8	11,2	100 x 200 x 12	27,3
30 x 50 x 5	2,96	50 x 100 x 10	11,10	75 x 100 x 10	13,8	100 x 200 x 14	31,6
30 x 50 x 6	3,51	60 x 80 x 7	7,35	80 x 120 x 8	12,2	100 x 200 x 15	35,9
30 x 60 x 5	3,37	60 x 80 x 8	8,33	80 x 120 x 10	15,0		

ANGOLARI a lati disuguali ed a spigoli vivi

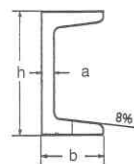


dimensioni lato mm	altezza mm	spessore mm	peso kg/m
20	12	4	0,879
25	15	4,5	1,25
30	17,5	5	1,67
35	20	5,5	2,14
40	22	6	2,64



PROFILATI AD U SERIE NORMALE

h	b	a	e	r	sezione	peso	momenti di inerzia		moduli di resistenza		raggi di inerzia	
							Jx	Jy	Wx	Wy	Ix	Iy
mm	mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
30	33	5	7	7	5,44	4,27	6,39	5,33	4,26	2,68	1,08	0,99
40	35	5	7	7	6,21	4,87	14,10	6,68	7,05	3,08	1,50	1,04
50	38	5	7	7	7,12	5,59	26,40	9,12	10,60	3,75	1,92	1,13
65	42	5,5	7,5	7,5	9,03	7,09	57,50	14,10	17,70	5,07	2,52	1,25
80	45	6	8	8	11,0	8,65	106	19,4	26,5	6,35	3,10	1,33
100	50	6	8,5	8,5	13,5	10,6	205	29,1	41,1	8,45	3,91	1,47
120	55	7	9	9	17,0	13,3	364	43,1	60,7	11,1	4,63	1,59
140	60	7	10	10	20,4	16,0	605	62,5	86,4	14,7	5,45	1,75
160	65	7,5	10,5	10,5	24,0	18,9	925	85,1	116	18,2	6,21	1,88
180	70	8	11	11	28,0	22,0	1354	114	150	22,4	6,96	2,01
200	75	8,5	11,5	11,5	32,2	25,3	1911	148	191	26,9	7,71	2,14
220	80	9	12,5	12,5	37,4	29,4	2691	196	245	33,5	8,48	2,29
240	85	9,5	13	13	42,3	33,2	3599	247	300	39,5	9,22	2,42
260	90	10	14	14	48,3	37,9	4824	317	371	47,8	10,0	2,56
280	95	10	15	15	53,4	41,9	6276	398	448	57,2	10,8	2,73
300	100	10	16	16	58,8	46,1	8028	493	535	67,6	11,7	2,90

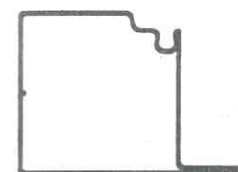


PROFILATI AD U SERIE SPECIALE

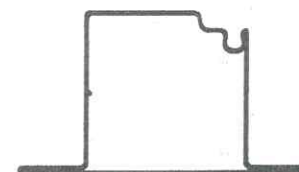
h	b	a	e	r	sezione	peso	momenti di inerzia		moduli di resistenza		raggi di inerzia	
							Jx	Jy	Wx	Wy	Ix	Iy
mm	mm	mm	mm	mm	cm ²	kg/m	cm ⁴	cm ⁴	cm ³	cm ³	cm	cm
* 25	12	4	4	4	1,68	1,30						
30	15	4	4,5	4,5	2,21	1,98	2,53	0,38	1,69	0,39	1,07	0,42
		5	7	7	5,44	4,27	6,39	5,33	4,26	2,68	1,08	0,99
* 35	17	5	5,5	5,5	3,27	2,52						
40	20	5	5,5	5	3,66	3,23	7,58	1,14	3,79	0,86	1,44	0,56
					6,21	4,87	14,10	6,68	7,05	3,08	1,50	1,04
50	25	5	6	6	4,92	4,15	16,80	2,49	6,73	1,48	1,85	0,71
					7,12	5,59	26,40	9,12	10,60	3,75	1,92	1,13
60	30	6	6	6	6,46	5,45	31,60	4,51	10,50	2,16	2,21	0,84
					9,03	7,09	57,50	14,10	17,70	5,07	2,52	1,25

* non unificato

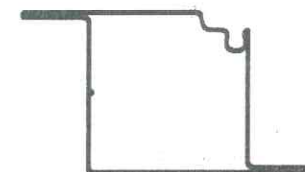
PROFILI 15/10 ZINCATI PORTAGUARNIZIONE



PT 5050 LDN 1.5



PT 5050 TDN 1.5



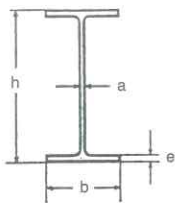
PT 5050 ZDN 1.5



GUARNIZIONI

D 30

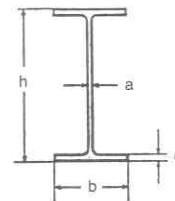
Guarnizione al silicone per
battuta porte



TRAVI IPE

dati generali

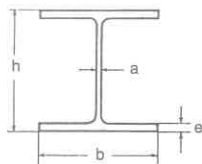
PROFILO					Peso al m. Kg	Sez. Cm ²	Wx Cm ³	Jx Cm ⁴
h	b	a	e	r				
80	46	3,8	5,2	5,0	6,0	7,6	20,0	80
100	55	4,1	5,7	7,0	8,1	10,3	34,2	171
120	64	4,4	6,3	7,0	10,4	13,2	53,0	318
140	73	4,7	6,9	7,0	12,9	16,4	77,3	541
160	82	5,0	7,4	9,0	15,8	20,1	109	869
180	91	5,3	8,0	9,0	18,8	23,9	146	1317
200	100	5,6	8,5	12,0	22,4	28,5	194	1943
220	110	5,9	9,2	12,0	26,2	33,4	252	2772
240	120	6,2	9,8	15,0	30,7	39,1	324	3892
270	135	6,6	10,2	15,0	36,1	45,9	429	5790
300	150	7,1	10,7	15,0	42,2	53,8	557	8356
330	160	7,5	11,5	18,0	49,1	62,6	713	11770
360	170	8,0	12,7	18,0	57,1	72,7	904	16270
400	180	8,6	13,5	21,0	66,3	84,5	1160	23130
450	190	9,4	14,6	21,0	77,6	98,8	1500	33740
500	200	10,2	16,0	21,0	90,7	116	1930	48200
550	210	11,1	17,2	24,0	106	134	2440	67120
600	220	12,0	19,0	24,0	122	156	3070	92080



TRAVI IPE

tabella dei carichi netti uniformemente ripartiti per $\sigma = 1600 \text{ Kg/cm}^2$

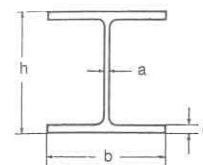
h	DISTANZA TRA GLI APPOGGI IN METRI															
	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00
80	1009	835	710	616	542	482	-	-	-	-	-	-	-	-	-	-
100	1731	1435	1222	1062	936	835	751	681	-	-	-	-	-	-	-	-
120	2687	2230	1902	1654	1460	1305	1176	1068	896	-	-	-	-	-	-	-
140	3925	3259	2782	2422	2140	1914	1728	1571	1323	1133	-	-	-	-	-	-
160	5541	4603	3931	3425	3029	2711	2450	2230	1882	1617	1408	-	-	-	-	-
180	7428	6173	5273	4597	4068	3643	3294	3002	2538	2185	1907	1681	1492	-	-	-
200	9876	8210	7016	6118	5417	4854	4391	4004	3390	2925	2557	2259	2011	1800	1619	-
220	12837	10673	9124	7959	7050	6320	5720	5219	4424	3822	3348	2963	2644	2373	2140	1937
240	16512	13732	11741	10246	9078	8141	7371	6728	5709	4939	4332	3840	3432	3087	2791	2532
270	21874	18195	15563	13583	12040	10802	9785	8935	7592	6575	5776	5130	4595	4143	3754	3417
300	28413	23638	20222	17655	15653	14048	12731	11629	9889	8574	7542	6707	6017	5435	4935	4101
330	36383	30274	25904	22620	20060	18007	16323	14916	12694	11016	9698	8635	7756	7016	6382	5831
360	46142	38399	32860	28700	25457	22857	20724	18942	16130	14007	12343	11000	9891	8957	8158	7465
400	59226	49294	42191	36855	32697	29364	26631	24350	20747	18029	15901	14185	12769	11577	10559	9677
450	76606	63767	54585	47689	42317	38012	34482	31534	26885	23379	20635	18424	16601	15069	13760	12628
500	98589	82074	70265	61397	54490	48954	44417	40629	34656	30154	26632	23797	21460	19498	17824	16376
550	124663	103788	88863	77656	68927	61934	56202	51417	43875	38192	33748	30172	27226	24754	22646	20824
600	156879	130620	111847	97752	86775	77982	70776	64761	55283	48144	42564	38076	34381	31282	28641	26360



TRAVI HEA

dati generali

PROFILO						Peso al m. Kg	Sez. Cm ²	Wx Cm ³	Jx Cm ⁴
HE	h	b	a	e	r				
100	96	100	5,0	8,0	12,0	16,7	21,2	73	349
120	114	120	5,0	8,0	12,0	19,9	25,3	106	606
140	133	140	5,5	8,5	12,0	24,7	31,4	155	1033
160	152	160	6,0	9,0	15,0	30,4	38,8	220	1673
180	171	180	6,0	9,5	15,0	35,5	45,3	294	2510
200	190	200	6,5	10,0	18,0	42,3	53,8	389	3692
220	210	220	7,0	11,0	18,0	50,5	64,3	515	5410
240	230	240	7,5	12,0	21,0	60,3	76,8	675	7763
260	250	260	7,5	12,5	24,0	68,2	86,8	836	10455
280	270	280	8,0	13,0	24,0	76,4	97,3	1010	13673
300	290	300	8,5	14,0	27,0	88,3	112	1260	18263
320	310	300	9,0	15,5	27,0	97,6	124	1480	22928
340	330	300	9,5	16,5	27,0	105	133	1680	27693
360	350	300	10,0	17,5	27,0	112	143	1890	33090
400	390	300	11,0	19,0	27,0	125	159	2310	45069
450	440	300	11,5	21,0	27,0	140	178	2900	63722
500	490	300	12,0	23,0	27,0	155	197	3550	86975
550	540	300	12,5	24,0	27,0	166	212	4150	111932
600	590	300	13,0	25,0	27,0	178	226	4790	141203
650	640	300	13,5	26,0	27,0	190	241	5470	175178
700	690	300	14,5	27,0	27,0	204	260	6240	215301
800	790	300	15,0	28,0	30,0	224	286	7680	303442
900	890	300	16,0	30,0	30,0	252	320	9480	422075
1000	990	300	16,5	31,0	30,0	272	347	11190	553846



TRAVI HEA

tabella dei carichi netti
uniformemente
ripartiti per $\sigma = 1600 \text{ Kg/cm}^2$

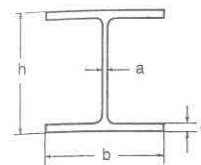
h	DISTANZA TRA GLI APPOGGI IN METRI											
	3	4	5	6	7	8	9	10	11	12	13	14
100	3064	2269	1785	1457	-	-	-	-	-	-	-	-
120	4463	3312	2614	2142	1800	-	-	-	-	-	-	-
140	6539	4861	3844	3158	2661	2282	-	-	-	-	-	-
160	9295	6918	5480	4511	3810	3276	2855	2512	-	-	-	-
180	12437	9265	7348	6059	5127	4419	3861	3408	3030	-	-	-
200	16470	12278	9746	8044	6816	5885	5151	4556	4061	3641	-	-
220	21821	16277	12931	10683	9063	7835	6869	6087	5437	4887	4414	-
240	28618	21358	16978	14037	11920	10317	9057	8036	7191	6476	5862	5327
260	35464	26478	21060	17425	14809	12830	11275	10018	8977	8098	7344	6688
280	42863	32013	25473	21087	17933	15548	13676	12163	10912	9856	8951	8164
300	53493	39965	31813	26349	22421	19453	17125	15244	13690	12380	11258	10283
320	62852	46368	37400	30987	26379	22898	20170	17967	16147	14615	13306	12164
340	71363	53338	42481	35209	29984	26039	22947	20453	18393	16659	15176	13889
360	80301	60034	47822	39646	33775	29343	25871	23071	20760	18815	17152	15711
400	98182	73418	58509	48528	41364	35959	31790	28317	25567	23139	21119	19369
450	123310	92237	73538	61025	52047	45278	39983	35719	32204	29252	26733	24553
500	150997	112977	90102	74801	63827	55558	49092	43888	39603	36005	32937	30286
550	176564	132132	105407	87535	74721	65070	57526	51458	46463	42273	38702	35618
600	203834	152564	121731	101116	86340	75214	66520	59530	53778	48956	45026	41301
650	232816	174280	139082	115553	98692	86000	76085	68116	61560	56066	51388	47351
700	265628	198864	158724	131896	112674	98200	86910	77832	70366	64112	58788	54195
800	327008	244864	195488	162496	138866	121088	107210	96064	86903	79232	72706	67081
900	403724	302352	241428	200728	171584	149664	132558	118824	107540	98096	90065	83146
1000	476624	356992	285104	237088	202713	176864	156698	140512	127218	116096	106642	98500



TRAVI HEB

dati generali

PROFILO						Peso al m. Kg	Sez. Cm ²	Wx Cm ³	Jx Cm ⁴
HE	h	b	a	e	r				
100	100	100	6,0	10,0	12,0	20,4	26,0	90	450
120	120	120	6,5	11,0	12,0	26,7	34,0	144	864
140	140	140	7,0	12,0	12,0	33,7	43,0	216	1509
160	160	160	8,0	13,0	15,0	42,6	54,3	311	2492
180	180	180	8,5	14,0	15,0	51,2	65,3	426	3831
200	200	200	9,0	15,0	18,0	61,3	78,1	570	5696
220	220	220	9,5	16,0	18,0	71,5	91,0	736	8091
240	240	240	10,0	17,0	21,0	83,2	106	938	11259
260	260	260	10,0	17,5	24,0	93,0	118	1150	14919
280	280	280	10,5	18,0	24,0	103	131	1380	19270
300	300	300	11,0	19,0	27,0	117	149	1680	25166
320	320	300	11,5	20,5	27,0	127	161	1930	30823
340	340	300	12,0	21,5	27,0	134	171	2160	36656
360	360	300	12,5	22,5	27,0	142	181	2400	43193
400	400	300	13,5	24,0	27,0	155	198	2880	57680
450	450	300	14,0	26,0	27,0	171	218	3550	79887
500	500	300	14,5	28,0	27,0	187	239	4290	107176
550	550	300	15,0	29,0	27,0	199	254	4970	136691
600	600	300	15,5	30,0	27,0	212	270	5700	171041
650	650	300	16,0	31,0	27,0	225	286	6480	210616
700	700	300	17,0	32,0	27,0	241	306	7340	256888
800	800	300	17,5	33,0	30,0	262	334	8980	359083
900	900	300	18,5	35,0	30,0	291	371	10980	494065
1000	1000	300	19,0	36,0	30,0	314	400	12890	644748



TRAVI HEB

tabella dei carichi netti uniformemente ripartiti per $\sigma = 1600 \text{ Kg/cm}^3$

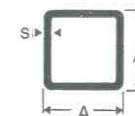
h	DISTANZA TRA GLI APPOGGI IN METRI											
	3	4	5	6	7	8	9	10	11	12	13	14
100	3778	2798	2202	1797	1502	-	-	-	-	-	-	-
120	6063	4501	3553	2911	2446	2090	-	-	-	-	-	-
140	9114	6777	5361	4405	3713	3186	2768	-	-	-	-	-
160	13141	9781	7748	6379	5388	4635	4039	3554	-	-	-	-
180	18022	13427	10649	8780	7431	6406	5597	4940	4393	-	-	-
200	24135	17994	14285	11792	9993	8629	7554	6683	5958	5344	-	-
220	31187	23265	18483	15272	12957	11203	9823	8705	7777	6992	6317	-
240	39770	29682	23596	19511	16569	14342	12591	11174	10000	9006	8153	7411
260	48786	36427	28974	23974	20377	17655	15518	13789	12358	11150	10113	9212
280	58569	43747	34812	28821	24512	21255	18700	16633	14924	13483	12248	11174
300	71327	53290	42422	35137	29900	25943	22839	20333	18261	16515	15020	13721
320	81963	61250	48771	40410	34401	29863	26305	23433	21060	19062	17351	15867
340	91755	68582	54624	45274	38558	33487	29513	26307	23659	21431	19525	17872
360	101971	76130	60728	50346	42890	37263	32854	29300	26364	23895	21784	19954
400	122412	91568	72951	60508	51576	44838	39641	35313	31962	28859	26341	24160
450	150949	112913	90022	74705	63715	55430	49948	43728	39427	35813	32729	30062
500	182474	136528	108886	90395	77134	67142	59328	53040	47861	43514	42238	38149
550	211451	158240	126234	104830	89484	77926	68891	61624	55642	50624	46347	42653
600	242558	181547	144856	120325	102742	89501	79262	70838	63993	58254	53365	49145
650	275805	206460	164763	136890	116916	101880	90135	80694	72928	66420	60878	56095
700	312450	233916	186700	155140	132530	115512	102222	91542	82760	75401	69137	63734
800	382360	286312	228578	190000	162371	141584	125357	112324	101612	92642	85012	78434
900	467607	350196	279633	232494	198740	173352	153541	137634	124566	113628	104327	96314
1000	549031	411224	328414	273102	233504	203728	180498	161852	146538	133725	122834	113077

TUBI COMMERCIALI

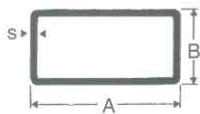
COMMERCIAL PIPES

Diametro esterno	Spessore normale	Massa	Spessore mm.											
			14,2	16	17,5	20	22,2	25	28*	30*	32*	35*	40*	
			Massa Kg/m.											
mm.	mm.	Kg/m.												
17,2	1,8	0,688												
20	2	0,890												
21,3	2	0,962												
25	2	1,13												
26,9	2	1,24												
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	15,0											
60,3	2,9	4,14	16,2											
(63,5)	2,9	4,36	17,3	18,7										
70	2,9	4,83	19,6	21,2	22,6									
76,1	2,9	5,28	21,7	23,7	25,3									
(82,5)	3,2	6,31	24,0	26,2	28,0	30,8								
88,9	3,2	6,81	26,2	28,7	30,8	34,0	36,5							
101,6	3,6	8,76	30,7	33,7	36,2	40,2	43,5	47,5						
108	3,6	9,33	32,9	36,2	39,0	43,4	47,0	51,4						
114,3	3,6	9,90	35,1	38,6	41,7	46,5	50,4	55,3	59,6					
(127)	4	12,2	39,6	43,6	47,2	52,8	57,4	63,2	68,4	71,8				
133	4	12,8	41,8	46,1	49,9	55,7	60,8	67,1	72,5	76,2	79,7			
139,7	4	13,5	44,0	48,6	52,7	59,0	64,3	71,1	77,1	81,2	85,0	90,4		
(152,4)	4,5	16,4	48,5	53,6	58,1	65,3	71,3	79,0	85,9	90,6	95,0	101		
159	4,5	17,1	50,8	56,2	60,9	68,6	74,8	83,0	90,5	95,4	100	107		
168,3	4,5	18,1	54,1	59,9	65,0	73,1	80,0	88,9	96,9	102	108	115	127	
(177,8)	5	21,3	57,4	63,6	69,1	77,8	85,2	94,8	103	109	115	123	136	
193,7	5,4	25,0	63,0	69,8	75,9	85,7	93,9	105	114	121	128	137	152	
219,1	5,9	31,0	71,9	79,8	86,9	98,2	108	120	132	140	148	159	177	
244,5	6,3	37,1	80,8	89,8	97,8	111	122	136	149	159	168	181	202	
(267)	6,3	40,6	88,7	98,6	107	122	134	150	165	175	185	200	224	
273	6,3	41,6	90,9	101	110	125	137	154	169	180	190	205	230	
(298,5)	7,1	51,1	99,8	111	121	137	151	170	187	199	210	227	255	
323,9	7,1	55,6	109	121	132	150	165	186	204	217	230	249	280	
355,6	8	68,3	120	133	146	166	183	205	226	241	255	277	311	
368	8	70,8	124	138	151	172	189	213	235	250	265	287	324	
406,4	8,8	85,9	138	153	168	191	210	237	261	278	295	321	361	
419	8,8	88,7	142	158	173	197	217	245	270	288	305	331	374	
457,2	10	110	156	173	189	216	238	268	296	316	336	364	412	
508	11	135	173	193	211	241	266	300	331	354	376	408	462	
558,8	12,5	170	191	213	233	266	294	331	367	391	416	452	512	
609,6	12,5	185	209	233	255	291	322	363	402	429	456	496	562	
660,4			227	253	277	316	349	395	437	466	496	540	612	
711,2			245	273	299	341	377	426	472	504	536	584	662	
762			263	293	321	366	405	458	507	542				
812,8			280	313	343	391	433							
863,6			298	333										
914,4			316											

TUBI SALDATI QUADRI da nastro laminato a caldo e strutturali in qualità



Lati A mm	Esterni A mm	Spessore mm	Peso Kg / m	Lati A mm	Esterni A mm	Spessore mm	Peso Kg / m	Lati A mm	Esterni A mm	Spessore mm	Peso Kg / m	Lati A mm	Esterni A mm	Spessore mm	Peso Kg / m						
15 x 15		1,5	0,68	70 x 70		1,5	3,21	130 x 130		3,0	11,96	200 x 200		4,0	24,29						
		2,0	0,88			2,0	4,19			4,0	15,82			5,0	29,94						
20 x 20		1,5	0,87							3,0	6,13					5,0	19,62			6,0	35,58
		2,0	1,13							4,0	7,97					6,0	23,36			7,0	41,10
25 x 25		1,5	1,12							5,0	9,53					7,0	27,03			8,0	46,51
		2,0	1,47							6,0	11,09					8,0	30,60			10,0	57,23
		3,0	1,89							7,0	12,53					10,0	37,70			12,0	67,35
		4,0	2,64							8,0	15,57					12,0	44,50			14,0	78,80
		5,0	3,14							10,0	18,80					3,0	12,43			16,0	87,30
30 x 30		1,5	1,34							12,0	21,90					4,0	16,45	220 x 220		4,0	26,81
		2,0	1,68	2,0	4,82			5,0	20,41	5,0	33,08										
		3,0	2,36	3,0	7,07			6,0	24,30	6,0	39,35										
		4,0	2,94	4,0	9,22			7,0	28,13	7,0	45,50										
		5,0	3,93	5,0	11,10			3,0	12,97	4,0	17,19	8,0	51,53								
35 x 35		6,0	4,52			6,0	12,97			4,0	17,19			10,0	62,57						
		1,5	1,60			7,0	14,74			5,0	21,36			12,0	74,90						
		2,0	1,99			8,0	16,36			6,0	25,49			14,0	87,70						
		3,0	2,83			10,0	22,00			7,0	29,56			16,0	97,30						
		4,0	3,57			12,0	25,60			8,0	33,59			4,0	30,57						
40 x 40		5,0	4,71			2,0	5,45			10,0	41,49	250 x 250		5,0	39,39						
		6,0	5,46			3,0	8,01			12,0	48,20			6,0	45,10						
		1,5	1,85			4,0	10,48			14,0	53,60			8,0	59,24						
		2,0	2,31			5,0	12,67			16,0	59,20			10,0	72,93						
		3,0	3,30			6,0	14,86			3,0	13,67			12,0	86,18						
45 x 45		4,0	4,80			7,0	16,92			5,0	22,09	260 x 260		16,0	117,00						
		5,0	5,33			8,0	18,87			6,0	26,16			4,0	31,83						
		6,0	6,41			10,0	25,10			7,0	30,11			5,0	39,39						
		7,0	7,25			12,0	29,40			8,0	33,95			6,0	46,88						
		8,0	8,04			2,0	6,07			10,0	40,59			7,0	54,29						
50 x 50		1,5	2,05			3,0	8,96			12,0	48,50	300 x 300		8,0	61,58						
		2,0	2,62			4,0	11,73			14,0	56,50			10,0	75,13						
		3,0	3,77			5,0	14,24			16,0	62,10			12,0	90,00						
		4,0	4,83			6,0	16,74			3,0	14,61			14,0	106,00						
		5,0	6,28			7,0	19,12			4,0	19,40			16,0	117,00						
60 x 60		6,0	7,35			10,0	24,89			6,0	28,04			5,0	45,64						
		7,0	8,35			12,0	33,20			7,0	32,31			6,0	54,52						
		8,0	9,29			3,0	9,90			8,0	36,46			7,0	63,21						
		1,5	2,30			4,0	12,99			10,0	44,70			8,0	71,80						
		2,0	2,93			5,0	15,81			12,0	54,70			10,0	88,63						
70 x 70		3,0	4,25			6,0	18,62			14,0	60,90	325 x 325		12,0	105,02						
		4,0	5,45			7,0	21,32			16,0	67,20			16,00	142,00						
		5,0	6,39			8,0	23,90			3,0	16,02			5,0	49,57						
		6,0	8,29			10,0	31,40			4,0	21,15			6,0	59,13						
		7,0	9,45			12,0	36,90			5,0	26,02			7,0	68,58						
80 x 80		8,0	10,60			3,0	10,84			6,0	30,87	350 x 350		8,0	77,91						
		4,0	14,25			7,0	35,61			10,0	95,54										
		5,0	17,38			8,0	40,23			6,0	63,90										
		6,0	20,51			10,0	48,44			8,0	85,70										
		7,0	23,52			4,0	21,56			10,0	106,00										
90 x 90		2,0	3,56			8,0	26,41			5,0	26,85	400 x 400		12,0	128,00						
		3,0	5,19			6,0	31,81			16,0	167,00										
		4,0	6,71			7,0	36,70			8,0	96,90										
		5,0	7,96			8,0	41,48			10,0	122,00										
		6,0	9,20			10,0	50,95			12,0	142,00										
100 x 100		7,0	11,65			6,0	21,45			12,0	29,80			16,0	192,00						
		8,0	13,06			14,0	69,90			20,0	237,00										
		10,0	15,70			16,0	77,20														



TUBI SALDATI RETTANGOLARI

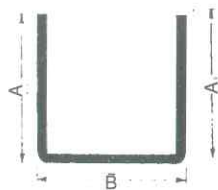
da nastro laminato a caldo e strutturali in qualità

Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m
20 x 10	1,5	0,69		50 x 20	1,5	1,60		60 x 50	1,5	2,52	
	2,0	0,88			2,0	1,99			2,0	3,25	
20 x 15	1,5	0,75			3,0	2,83			3,0	4,72	
	2,0	0,98			4,0	6,08			4,0	6,08	
25 x 10	1,5	0,70		50 x 25	1,5	1,71			5,0	7,85	
	2,0	0,98			2,0	2,15			6,0	9,23	
25 x 15	1,5	0,87			3,0	3,07			7,0	10,60	
	2,0	1,13			4,0	4,21			8,0	11,80	
30 x 10	1,5	0,87		50 x 30	1,5	1,86		70 x 20	1,5	2,04	
	2,0	1,13			2,0	2,31			2,0	2,62	
30 x 15	1,5	0,97			3,0	3,30			3,0	3,77	
	2,0	1,28			4,0	4,23		70 x 25	1,5	2,15	
30 x 20	1,5	1,12			5,0	4,82			2,0	2,78	
30 x 25	1,5	1,23			6,0	6,41			3,0	4,20	
	2,0	1,62		50 x 35	2,0	2,46		70 x 30	1,5	2,30	
35 x 10	1,5	0,97			3,0	3,54			2,0	2,93	
35 x 15	1,5	1,28			4,0	4,83			3,0	4,25	
35 x 20	1,5	1,23			5,0	6,28			4,0	5,45	
	2,0	1,62		50 x 40	1,5	2,04			5,0	7,07	
	3,0	2,31			2,0	2,62			6,0	8,29	
35 x 25	3,0	2,54			3,0	3,77			7,0	9,45	
40 x 10	1,5	1,12			4,0	4,83			8,0	10,60	
	2,0	1,47			5,0	6,28		70 x 40	1,5	2,52	
40 x 15	1,5	1,23			6,0	7,35			2,0	3,25	
	2,0	1,62			7,0	8,35			3,0	4,72	
40 x 20	1,5	1,34			8,0	9,29			4,0	6,08	
	2,0	1,68			3,0	4,19			5,0	7,18	
	3,0	2,36		50 x 45	4,0	5,46			6,0	9,23	
40 x 25	1,5	1,50			1,5	1,60			7,0	10,60	
	2,0	1,83		60 x 10	2,0	1,99			8,0	11,80	
	3,0	2,69			1,5	1,71		70 x 50	1,5	2,74	
40 x 27	2,0	1,90		60 x 15	2,0	2,15			2,0	3,56	
	3,0	2,69			1,5	1,86			3,0	5,19	
40 x 30	1,5	1,60		60 x 20	2,0	2,31			4,0	6,71	
	2,0	1,99			3,0	3,30			5,0	7,96	
	3,0	2,83			1,5	1,97		70 x 60	3,0	5,84	
	4,0	3,57		60 x 25	2,0	2,46			4,0	7,66	
	5,0	4,71			3,0	3,54			5,0	9,42	
	6,0	5,46		60 x 30	1,5	2,30			6,0	11,10	
40 x 35	2,0	2,15			2,0	2,62			7,0	12,70	
	3,0	2,60			3,0	3,77			8,0	14,30	
45 x 15	1,5	1,34			4,0	4,83		80 x 15	1,5	2,15	
	2,0	1,68			5,0	6,28			2,0	2,78	
45 x 20	1,5	1,49			6,0	7,35			3,0	4,01	
	2,0	1,83		60 x 40	1,5	2,30			1,5	2,30	
	3,0	2,60			2,0	2,93		80 x 20	2,0	2,93	
45 x 25	1,5	1,60			3,0	4,25			3,0	4,25	
	2,0	1,99			4,0	5,45					
	3,0	2,83			5,0	6,39					
45 x 30	2,0	2,15			6,0	8,29					
	3,0	3,07			7,0	9,45					
	4,0	3,88			8,0	10,60					
45 x 35	4,0	4,20									
48 x 25	2,0	2,09									
50 x 10	1,5	1,34									
	2,0	1,76									
50 x 15	1,5	1,50									
	2,0	1,83									

Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m
80 x 25		1,5	2,40	90 x 30		1,5	2,74	100 x 60		6,0	12,97
		2,0	3,09			2,0	3,56			7,0	14,72
		3,0	4,48			3,0	5,19			8,0	18,09
		4,0	6,71			10,0	22,00				
80 x 30		1,5	2,52	90 x 40		1,5	3,00	100 x 70		2,0	5,13
		2,0	3,25			2,0	3,88			3,0	7,54
		2,5	4,13			3,0	5,66			4,0	9,85
		3,0	4,72			4,0	7,34			5,0	11,89
		4,0	6,08	90 x 50		1,5	3,21	6,0	13,91		
2,0	4,19	7,0	17,10								
3,0	6,13	8,0	19,30								
4,0	7,97	10,0	23,60								
80 x 40		1,5	2,74	90 x 60		5,0	9,53	100 x 80		2,0	5,45
		2,0	3,56			6,0	11,09			3,0	8,01
		3,0	5,19			7,0	13,85			4,0	10,48
		4,0	6,71			8,0	15,57			5,0	12,67
		5,0	7,96			10,0	18,80			6,0	14,86
		6,0	9,20			2,0	4,30			7,0	16,92
		7,0	11,60	3,0	6,60	8,0	20,40				
		8,0	13,10	4,0	8,59	10,0	25,10				
		10,0	15,70	6,0	12,03	12,0	29,40				
		80 x 50		1,5	3,00	90 x 70		3,0	7,25	100 x 90	
2,0	3,88			4,0	9,55			4,0	11,43		
3,0	5,66			5,0	11,77			5,0	14,13		
4,0	7,34			6,0	13,94			6,0	16,77		
5,0	8,75			100 x 20		7,0	16,04	7,0	19,34		
6,0	11,11					8,0	18,09	8,0	21,90		
7,0	12,70					1,5	2,74	10,0	26,70		
8,0	14,30					2,0	3,56	12,0	31,30		
10,0	17,30					3,0	5,19				
6,0	11,09					100 x 30		1,5	3,00	110 x 50	
7,0	12,70	2,0	3,88	3,0	7,07						
8,0	14,30	3,0	5,66	4,0	9,22						
10,0	17,30	4,0	7,34	5,0	11,10						
1,5	3,21	5,0	9,42	6,0	12,97						
2,0	4,19	6,0	11,11	7,0	14,72						
80 x 60		3,0	6,13	100 x 40		7,0	12,70	110 x 60		3,0	7,72
		4,0	7,97			8,0	14,30			4,0	10,17
		5,0	9,53			10,0	17,30			5,0	12,56
		6,0	11,09			1,5	3,21			6,0	13,91
		7,0	12,53			2,0	4,19			7,0	17,14
		8,0	15,57			3,0	6,13			8,0	19,30
		10,0	18,80	4,0	7,97	10,0	23,60				
		1,5	3,21	100 x 50		5,0	9,53	12,0	29,40		
		2,0	4,19			6,0	11,09	3,0	8,07		
		3,0	6,13			7,0	13,85	4,0	10,80		
4,0	7,97	8,0	15,57			5,0	13,34				
5,0	9,53	10,0	18,80			6,0	15,82				
6,0	11,09	2,0	4,50			7,0	18,24				
80 x 70		7,0	12,53	100 x 60		3,0	6,60	110 x 80		8,0	20,40
		8,0	15,57			4,0	8,59			10,0	25,10
		10,0	18,80			5,0	10,32			3,0	8,67
		1,5	2,52			6,0	12,03			4,0	11,43
		2,0	3,25			7,0	13,63			5,0	14,13
		3,0	4,72			8,0	16,83			6,0	16,77
		4,0	6,08	10,0	20,40	7,0	19,34				
90 x 20		1,5	2,52	100 x 70		2,0	4,82	100 x 100		8,0	21,90
		2,0	3,00			3,0	7,07			10,0	26,70
		3,0	4,50			4,0	9,22			12,0	31,30
		4,0	6,00			5,0	11,10				

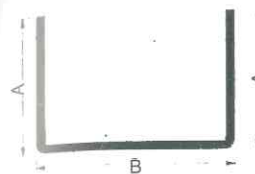
Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m		
110 x 90		4,0	12,06	140 x 40		3,0	8,67	150 x 60		3,0	9,61		
		5,0	14,91			4,0	11,46			4,0	12,68		
		6,0	17,71			2,0	5,45			5,0	15,70		
		7,0	20,44			3,0	8,01			6,0	18,65		
		8,0	23,10			4,0	10,48			7,0	21,54		
120 x 30		2,0	4,50			5,0	12,67	150 x 70		8,0	24,40		
		3,0	6,60			6,0	15,82			10,0	29,80		
		4,0	8,90			7,0	18,24			3,0	10,08		
120 x 40		2,0	4,82	140 x 50		8,0	20,40			4,0	13,31		
		3,0	7,07			10,0	25,10			5,0	16,48		
		4,0	9,22			2,0	5,83			6,0	19,59		
		5,0	11,10			3,0	10,81			7,0	22,64		
		6,0	12,97			4,0	11,46			150 x 75	3,0	10,13	
120 x 50		7,0	16,04	140 x 60		2,0	6,07			4,0	13,30		
		8,0	18,10			3,0	8,96			5,0	16,20		
		10,0	22,00			4,0	11,73			6,0	19,09		
		3,0	7,72			5,0	14,24			7,0	21,87		
		4,0	10,17			6,0	16,74			150 x 80	2,0	5,45	
120 x 60		5,0	12,56			7,0	19,12			3,0	8,01		
		6,0	14,88			8,0	23,10			4,0	14,87		
		7,0	17,14			10,0	28,30			5,0	18,17		
		8,0	19,30			3,0	9,43			6,0	21,45		
		10,0	23,60			4,0	12,36			7,0	24,62		
120 x 70		3,0	8,01	140 x 70		5,0	15,03			8,0	27,67		
		4,0	10,48			6,0	17,68			10,0	36,10		
		5,0	12,67			7,0	20,22			12,0	42,60		
		6,0	14,86			8,0	24,40			160 x 40	3,0	8,96	
		7,0	16,92			10,0	29,80			160 x 50	3,0	9,43	
120 x 80		8,0	20,40			12,0	34,40			4,0	12,36		
		10,0	25,10			3,0	9,90			5,0	15,03		
		3,0	8,67			4,0	12,99			6,0	17,68		
		4,0	11,43			5,0	15,81			160 x 60	3,0	10,10	
		5,0	14,13			6,0	18,62			4,0	13,30		
120 x 90		6,0	16,77	140 x 80		7,0	21,32			5,0	16,50		
		7,0	19,34			8,0	23,90			6,0	24,96		
		8,0	21,85			10,0	31,40			7,0	28,84		
		10,0	26,70			12,0	36,40			8,0	32,64		
		2,0	6,07			140 x 90				3,0	10,55	160 x 80	
3,0	8,96	4,0	13,94	3,0	10,84								
4,0	11,73	5,0	17,27	4,0	14,25								
5,0	14,24	6,0	20,53	5,0	17,38								
6,0	16,74	7,0	23,74	6,0	20,51								
120 x 100		7,0	19,12			8,0	26,90			7,0	23,52		
		8,0	21,39			10,0	33,00			8,0	26,41		
		10,0	28,30			12,0	38,80			10,0	34,50		
		12,0	32,40			2,0	5,50			12,0	40,70		
		3,0	10,03			150 x 30				3,0	8,20	160 x 90	
4,0	12,99	4,0	10,48	4,0	15,20								
5,0	15,81	2,0	5,83	5,0	18,17								
6,0	18,62	3,0	8,67	6,0	21,45								
7,0	21,32	4,0	11,46	7,0	24,62								
130 x 50		8,0	23,90	150 x 40		4,0	11,46			8,0	27,67		
		10,0	31,40			2,0	6,07			10,0	36,10		
		12,0	36,90			3,0	8,96			12,0	42,60		
		2,0	5,45			180 x 60				4,0	11,73	3,0	10,84
		3,0	8,01							5,0	14,24	4,0	14,25
4,0	10,48	6,0	16,74	5,0	17,38								
5,0	16,27	7,0	20,44	6,0	20,51								
6,0	14,86	8,0	23,10	7,0	23,52								
130 x 60		2,0	5,83			10,0	28,30			8,0	28,10		
										10,0	34,50		

Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m	Lati A mm	Esterni B mm	Spessore mm	Peso Kg/m
180x60		12,0	40,70	220 x 80		4,0	17,95	300 x 150		4,0	27,43
180x70		3,0	11,49			5,0	22,16			5,0	33,87
		4,0	15,20			6,0	26,26			6,0	40,29
		5,0	18,84			8,0	34,12			7,0	46,60
		6,0	22,42			10,0	41,53			8,0	52,79
180x80		7,0	25,94	220 x 100		5,0	23,70	300 x 200		10,0	65,10
		8,0	29,40			6,0	28,10			12,0	76,80
		10,0	36,10			8,0	36,60			4,0	30,57
		12,0	42,60			10,0	44,70			5,0	37,90
		3,0	11,78			5,0	25,30			6,0	51,00
180x100		4,0	15,50	220 x 120		6,0	29,93	300 x 250		7,0	52,09
		5,0	18,95			7,0	34,51			8,0	59,24
		6,0	22,39			8,0	38,97			10,0	72,93
		7,0	25,71			10,0	47,80			12,0	86,18
		8,0	28,92			12,0	58,70			16,0	117,00
		10,0	37,70			14,0	65,40			6,0	54,52
		12,0	44,50			16,0	72,20			8,0	71,80
		4,0	17,10			5,0	26,90			10,0	88,63
		5,0	21,20			6,0	31,81			12,0	105,02
		7,0	27,91			7,0	36,70			350 x 150	
8,0	31,43	8,0	41,48	6,0	45,10						
10,0	40,80	10,0	51,00	8,0	59,20						
12,0	48,20	12,0	59,80	10,0	72,90						
14,0	52,00	3,0	16,02	12,0	86,20						
180x120		16,0	57,10	250 x 100		4,0	21,15	350 x 250		6,0	54,52
		4,0	17,90			5,0	26,02			8,0	71,80
		5,0	22,20			6,0	30,87			10,0	88,63
		6,0	26,30			7,0	35,61			12,0	105,20
		8,0	34,10			8,0	40,23			5,0	37,90
180x140		10,0	41,50	250 x 150		10,0	48,44	400 x 100		6,0	45,10
		4,0	19,21			12,0	57,90			8,0	59,20
		5,0	23,73			4,0	24,29			10,0	72,90
		6,0	28,14			5,0	30,01			12,0	86,20
		8,0	36,63			6,0	35,58			6,0	54,52
200x100		10,0	44,67	260 x 140		7,0	41,10	400 x 200		8,0	71,80
		3,0	13,67			8,0	46,51			10,0	88,63
		4,0	18,01			10,0	57,23			12,0	105,02
		5,0	22,09			12,0	73,00			16,0	142,00
		6,0	26,16			14,0	78,80			5,0	49,57
		7,0	30,11			16,0	91,50	6,0	59,13		
		8,0	33,95			5,0	30,00	7,0	68,58		
		10,0	40,59			6,0	35,70	8,0	77,91		
		12,0	48,50			8,0	46,70	400 x 300		6,0	63,90
		14,0	56,50			10,0	57,20			8,0	84,40
16,0	62,10	12,0	67,30	10,0	104,00						
4,0	19,38	14,0	78,80	12,0	124,00						
5,0	23,83	16,0	87,30	16,0	167,00						
200x120		6,0	28,04	260 x 180		5,0	33,10	450 x 250		8,0	81,70
		7,0	32,31			6,0	39,40			10,0	102,10
		8,0	36,46			8,0	51,70			12,0	126,60
		10,0	45,10			10,0	63,50			8,0	96,90
		12,0	54,70			12,0	74,90			10,0	120,00
		14,0	60,90	14,0	87,70	12,0	142,00				
		16,0	67,20	16,0	97,30	500 x 300		16,0	192,00		
		3,0	16,02	4,0	24,29			8,0	96,90		
		4,0	21,15	5,0	30,01			10,0	120,00		
		5,0	26,10	6,0	35,68			12,0	142,00		
6,0	30,87	8,0	46,68	16,0	192,00						
200x150		7,0	32,31	300 x 100		10,0	57,23	500 x 300		16,0	192,00
		8,0	40,23			12,0	67,30				
		10,0	49,38			16,0	97,30				
		12,0	57,90			20,0	126,60				
		14,0	67,20			24,0	167,00				



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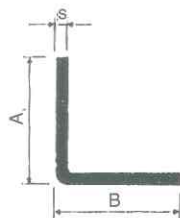
dimensioni A x B x A mm	spessore						
	1,5	2	2,5	3	4	5	6
	peso Kg/m						
8 x 8 x 8	0,21						
10 x 10 x 10	0,29						
12 x 12 x 12	0,36						
14 x 14 x 14	0,43						
15 x 15 x 15	0,47	0,59					
20 x 20 x 20	0,65	0,83					
22 x 22 x 22	0,72	0,93					
25 x 25 x 25	0,83	1,07	1,30	1,49			
30 x 30 x 30	1,00	1,31	1,60	1,87			
35 x 35 x 35	1,19	1,55	1,90	2,23			
40 x 40 x 40	1,37	1,79	2,20	2,59	3,33		
45 x 45 x 45		2,07	2,50	2,95	3,81		
50 x 50 x 50		2,28	2,80	3,31	4,29	5,40	
55 x 55 x 55		2,45					
60 x 60 x 60		2,76	3,40	4,04	5,25	6,56	
70 x 70 x 70			4,00	4,76	6,21	7,76	
80 x 80 x 80				5,48	7,11	8,89	
90 x 90 x 90				6,20	8,13	10,16	13,30
100 x 100 x 100				6,92	9,01	11,26	16,12
120 x 120 x 120				8,25	11,0	13,60	



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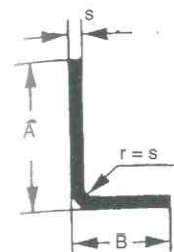
dimensioni A x B x A mm	spessore in mm		
	1,5	2	3
	Kg/ml		
10 x 15 x 10	0,35		
20 x 15 x 20	0,59	0,77	
10 x 20 x 10	0,41	0,54	
20 x 22 x 20	0,68	0,90	
30 x 22 x 30	0,91	1,19	
12 x 25 x 12	0,52	0,68	
30 x 25 x 30	0,95	1,24	1,76
40 x 25 x 40	1,18	1,55	2,24
15 x 30 x 15	0,64	0,85	
20 x 30 x 20	0,77	1,00	1,43
25 x 30 x 25	0,89	1,16	1,67

dimensioni A x B x A mm	spessore in mm				
	2	3	4	5	6
	Kg/ml				
35 x 30 x 35	1,40	2,00			
40 x 30 x 40	1,64	2,43	3,18		
17 x 35 x 17	0,99				
20 x 35 x 20	1,08	1,53			
30 x 35 x 30	1,40	2,00			
40 x 35 x 40	1,71	2,50			
20 x 40 x 20	1,16	1,67			
30 x 40 x 30	1,47	2,14			
35 x 40 x 35	1,64	2,43	3,18		
20 x 50 x 20	1,33	1,96			
25 x 50 x 25	1,47	2,14			
30 x 50 x 30	1,64	2,43	3,18		
40 x 50 x 40	1,94	2,85	3,70		
20 x 60 x 20	1,47	2,14			
30 x 60 x 30	1,87	2,61	3,39	4,12	
40 x 60 x 40	2,10	3,08	4,01	4,90	
50 x 65 x 50	2,41	3,85	4,73	5,84	
30 x 70 x 30	1,94	2,85	3,70		
35 x 70 x 35	2,10	3,08	4,01	4,90	
45 x 70 x 45	2,41	3,58	4,73	5,84	
40 x 80 x 40	2,41	3,58	4,73	5,84	
50 x 80 x 50	2,73	4,02	5,27	6,47	
60 x 80 x 60	3,04	4,50	5,90	7,26	
40 x 90 x 40	2,57	3,80	4,96	6,08	
45 x 90 x 45	2,73	4,02	5,27	6,47	
30 x 100 x 30	2,41	3,58	4,73	5,84	
40 x 100 x 40	2,73	4,02	5,27	6,47	
50 x 100 x 50	3,04	4,50	5,90	7,26	
60 x 100 x 60	3,36	4,96	6,53	8,04	
50 x 120 x 50	3,36	4,96	6,53	8,04	9,41
55 x 120 x 55		5,20	6,84	8,43	9,84
60 x 120 x 60		5,44	7,15	8,83	10,37
60 x 140 x 60		5,91	7,78	9,61	11,32
50 x 150 x 50		5,71	7,49	9,20	10,85
60 x 160 x 60		6,43	8,45	10,40	12,29
80 x 180 x 80		7,87	10,37	12,80	15,17
60 x 200 x 60			9,73		
100 x 200 x 100		9,31	12,29	15,20	18,05
100 x 220 x 100		9,79	12,93	16,00	19,00
100 x 250 x 100		10,51	13,89	17,20	20,45
100 x 300 x 100		11,71	15,49	19,20	22,85



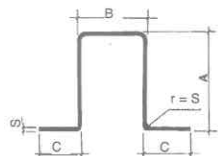
ANGOLARI A LATI UGUALI

dimensioni B x A mm	spessore in mm							
	1,5	2	2,5	3	4	5	6	7
	peso Kg/m							
10 x 10	0,20							
15 x 15	0,31	0,40						
20 x 20	0,43	0,56	0,69					
25 x 25	0,55	0,72	0,90	1,03				
30 x 30	0,67	0,88	1,10	1,25				
35 x 35		1,03	1,30	1,53				
40 x 40		1,20	1,45	1,75				
45 x 45		1,35	1,69	2,00	2,63			
50 x 50		1,51	1,87	2,20	2,95	3,65		
60 x 60			2,27	2,70	3,50	4,40	5,22	
70 x 70				3,15	4,15	5,22	6,68	
80 x 80				3,65	4,76	6,75	7,16	
90 x 90				4,12	5,46	6,80	8,10	
100 x 100				4,60	6,00	7,45	8,85	10,22
120 x 120					7,34	9,00	10,70	12,40
150 x 150						11,40	13,55	15,70



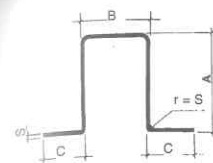
ANGOLARI A LATI DISEGUALI

dimensioni B x A mm	spessore in mm							
	1,5	2	2,5	3	4	5	6	7
	peso Kg/m							
10 x 20	0,33							
12 x 25	0,42	0,55						
15 x 25	0,45	0,59						
15 x 30	0,51	0,66	0,83	0,99				
15 x 40		0,83	1,03	1,22				
20 x 25		0,66	0,83	0,99				
20 x 30		0,75	0,93	1,10				
20 x 35		0,83	1,03	1,22				
20 x 40		0,94	1,14	1,34				
20 x 45		0,99	1,22	1,46				
20 x 50		1,06	1,32	1,56				
20 x 60		1,22	1,52	1,81				
25 x 30		0,83	1,03	1,22				
25 x 40		0,99	1,22	1,46				
25 x 50		1,14	1,42	1,70				
30 x 40		1,06	1,32	1,56				
30 x 50		1,22	1,52	1,81				
30 x 60			1,72	2,04				
30 x 80				2,52	3,33			
40 x 60				2,28	3,01			
40 x 80				2,75	3,64			
40 x 100				3,22	4,27			
50 x 100				3,40				



PROFILI APERTI OMEGA SIMMETRICI

dimensioni C x A x B mm	spessore						
	1,5	2	2,5	3	4	5	6
	peso Kg/m						
10 x 15 x 15	0,636						
10 x 15 x 30	0,816	1,02					
10 x 20 x 20	0,816						
10 x 25 x 15	0,876	1,10					
10 x 25 x 50	1,300	1,66					
15 x 30 x 15	1,110	1,42					
15 x 30 x 30	1,300	1,66					
15 x 30 x 50	1,540	1,98					
15 x 35 x 15	1,240	1,58					
15 x 35 x 35	1,480	1,90					
20 x 35 x 20	1,410	1,82	2,20				
20 x 35 x 35	1,600	2,06	2,50	3,20			
20 x 35 x 50	1,780	2,30	2,80	3,26			
20 x 40 x 30	1,660	2,14	2,60	3,02			
25 x 40 x 25	1,720	2,22	2,70	3,14			
25 x 40 x 30	1,780	2,30	2,80	3,26			
25 x 40 x 40	1,900	2,46	3,00	3,50			
20 x 45 x 20	1,660	2,14	2,60				
20 x 45 x 30	1,780	2,30	2,80	3,26			
25 x 45 x 45	2,080	2,70	3,30	3,86			
20 x 50 x 25	1,840	2,38	2,90				
20 x 50 x 30	1,900	2,46	3,00	3,50			
20 x 50 x 50	2,130	2,78	3,40	3,98			
25 x 50 x 30	2,010	2,62	3,20	3,75			
25 x 50 x 40	2,140	2,78	3,40	3,98			
30 x 50 x 25	2,07	2,70	3,30				
30 x 50 x 30	2,13	2,78	3,40	3,98			



PROFILI APERTI OMEGA SIMMETRICI

dimensioni C x A x B mm	spessore						
	1,5	2	2,5	3	4	5	6
	peso Kg/m						
20 x 60 x 30	2,13	2,78	3,40	3,98			
20 x 60 x 40	2,26	2,95	3,60	4,22			
25 x 60 x 30	2,26	2,95	3,60	4,22			
25 x 60 x 40	2,38	3,10	3,80	4,46			
30 x 60 x 30	2,38	3,10	3,80	4,46			
30 x 60 x 40	2,50	3,26	4,00	4,70			
20 x 70 x 25	2,31	3,02	3,70	4,34			
20 x 70 x 40	2,50	3,26	4,00	4,70			
20 x 70 x 50	2,61	3,42	4,20	4,95			
25 x 70 x 40	2,61	3,42	4,20	4,95			
25 x 70 x 50	2,73	3,58	4,40	5,18			
30 x 70 x 30		3,42	4,20	4,95			
30 x 70 x 50		3,74	4,60	5,42			
20 x 75 x 50		3,58	4,40	5,18			
25 x 75 x 50		3,74	4,60	5,42			
30 x 75 x 50		3,90	4,80	5,66			
20 x 80 x 40		3,58	4,40	5,18			
20 x 80 x 50		3,74	4,60	5,42			
25 x 80 x 40		3,74	4,60	5,42			
25 x 80 x 50		3,90	4,80	5,66			
30 x 80 x 40		3,90	4,80	5,66			
30 x 80 x 50		4,06	5,00	5,90			
15 x 100 x 30		3,90	4,80	5,66			
25 x 100 x 40		4,38	5,40	6,38			
25 x 100 x 50		4,54	5,60	6,62			
25 x 100 x 60		4,70	5,80	6,84			
30 x 100 x 40		4,54	5,60	6,62			
30 x 100 x 50		4,70	5,80	6,84			
30 x 100 x 60		4,86	6,00	7,10			
40 x 100 x 40		4,86	6,00	7,10			
30 x 110 x 50		5,02	6,20	7,34			
30 x 120 x 50		5,34	6,60	7,82	10,18		
30 x 120 x 60		5,50	6,80	8,06	10,50		
40 x 120 x 80		6,14	7,60	9,03	11,77		
30 x 150 x 80		6,78	8,40	9,98	13,06	16,00	
40 x 150 x 80		7,10	8,80	10,46	13,70	16,80	
40 x 150 x 110		7,58	9,40	11,18	14,66	18,00	