

Tubo para canalização (série ligeira)

Diâmetro		Espessura (mm)	Peso (kg/m)	
Polegadas	mm		Tubo preto	Tubo galvanizado
1/2"	21,3	2,00	0,95	1,02
3/4"	26,9	2,35	1,38	1,47
1"	33,7	2,65	1,98	2,10
1 1/4"	42,4	2,65	2,54	2,69
1 1/2"	48,3	2,90	3,23	3,40
2"	60,3	2,90	4,08	4,30
2 1/2"	76,1	3,25	5,71	5,98
3"	88,9	3,25	6,72	7,04
3 1/2"	101,6	3,25	8,74	9,18
4"	114,3	3,65	9,75	10,20

Tubo para canalização (série média)

Diâmetro		Espessura (mm)	Peso (kg/m)	
Polegadas	mm		Tubo preto	Tubo galvanizado
1/2"	21,3	2,65	1,22	1,29
3/4"	26,9	2,65	1,58	1,67
1"	33,7	3,25	2,44	2,55
1 1/4"	42,4	3,25	3,14	3,29
1 1/2"	48,3	3,25	3,61	3,79
2"	60,3	3,65	5,10	5,31
2 1/2"	76,1	3,65	6,51	6,78
3"	88,9	4,05	8,47	8,79
3 1/2"	101,6	4,05	9,42	10,20
4"	114,3	4,50	12,10	12,51
5"	139,7	4,85	16,20	16,71
6"	165,1	4,85	19,20	19,80

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Tubo de usos gerais

Redondo

Diâmetro exterior (mm)	Kg/m	
	1,50	2,00
10	0,353	0,455
12	0,447	0,581
14	0,495	0,644
16	0,565	0,738
18	0,648	0,848
19	0,683	0,895
20	0,718	0,942
22	0,801	1,052
25	0,918	1,209
28	1,060	1,382
30	1,095	1,444
32	1,154	1,523
35	1,272	1,680
38	1,413	1,853
40	1,472	1,947
42	1,519	2,010
45	1,649	2,167
48	1,743	2,308
50	1,884	2,481
55	2,025	2,683
60	2,214	2,936
70	2,567	3,407
80	2,944	3,909
100		5,008

Quadrado

Medidas (mm)	Kg/m	
	1,50	2,00
10x10	0,447	
12x12	0,565	
16x16	0,742	0,973
20x20	0,942	1,225
25x25	1,178	1,539
30x30	1,413	1,853
35x35	1,649	2,167
40x40	1,884	2,481
45x45	2,120	2,795
50x50	2,331	3,093
60x60	2,802	3,721
70x70		4,349
80x80		4,977
100x100		6,233

Retangular

Diâmetro exterior (mm)	Kg/m	
	1,50	2,00
20x10	0,683	
20x15	0,801	
25x10	0,801	
30x10	0,942	
30x15	1,060	
30x20	1,178	1,539
30x25	1,272	
35x20	1,272	
40x10	1,178	
40x15	1,272	
40x20	1,413	1,853
40x25	1,507	1,994
40x30	1,649	2,167
45x25	1,649	2,167
50x10	1,413	
50x20	1,649	2,167
50x25	1,743	2,308
50x30	1,884	2,481
50x40	2,120	2,795
60x20	1,884	2,380
60x25	1,978	2,537
60x30	2,120	2,795
60x40	2,331	3,093
70x20	2,120	2,795
70x40	2,567	3,407
80x20	2,331	3,008
80x30	2,567	3,322
80x40	2,802	3,721
100x40		4,349
100x50		4,663

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Tubo galvanizado

Redondo

Diâmetro exterior (mm)	Kg/m	
	1,50	2,00
16	0,565	
20	0,718	
25	0,918	
32	1,154	
40	1,472	1,947
42	1,519	2,010
45	1,649	2,167
48	1,743	2,308
50	1,884	2,481
55	2,025	2,683
60	2,214	2,936
80	2,944	3,909
100		5,008

Quadrado

Medidas (mm)	Kg/m	
	1,50	2,00
16x16	0,742	
20x20	0,942	
25x25	1,178	
30x30	1,413	
35x35	1,649	
40x40	1,884	2,481
45x45	2,120	
50x50	2,331	3,093
60x60	2,802	3,721
80x80		4,977
100x100		6,233

Retangular

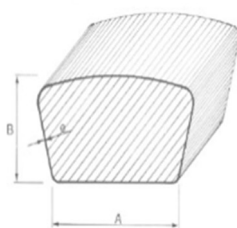
Diâmetro exterior (mm)	Kg/m	
	1,50	2,00
20x10	0,683	
30x15	1,060	
30x20	1,178	
35x20	1,272	
40x10	1,178	
40x15	1,272	
40x20	1,413	
40x30	1,649	
50x20	1,649	
50x25	1,743	
50x30	1,884	2,481
60x20	1,884	
60x30	2,120	2,795
60x40	2,331	3,093
80x40	2,802	3,721
100x40		4,349
100x50		4,663
100x60		4,892
120x40		4,892
120x60		5,520

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Tubo especial

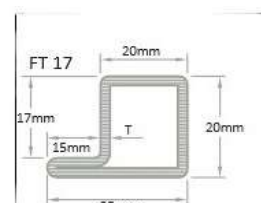
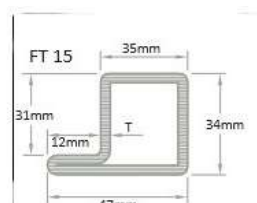
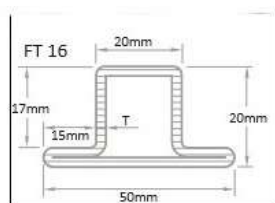
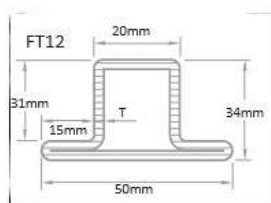
Para corrimão

Referência	Dimensões			Peso (kg/m)
	a (mm)	b (mm)	e (mm)	
223	47	27	1,50	1,88
627	41	22	1,50	1,63
628	37	20	1,50	1,51
629	32	10	1,50	1,41



De abas

Referência	Nº de abas	T (mm)	Peso (kg/m)
FT 12	2	1,50	1,885
FT 15	1	1,50	1,810
FT 16	2	1,50	1,754
FT 17	1	1,50	1,213



Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Tubo estrutural

Redondo

Diâmetro exterior (mm)	Kg/m						
	3,00	4,00	5,00	6,00	8,00	10,00	12,00
30,0	2,00						
38,0	2,59						
40,0	2,75						
48,0	3,33						
50,0	3,48						
60,0	4,22	5,52					
70,0	4,96	6,51					
76,1	5,41	7,11	8,77	10,37			
80,0	5,70	7,50	9,25				
88,9	6,36	8,38	10,35	12,27			
100	7,18	9,47	11,71	13,91	18,15		
114,3	8,23	10,88	13,48	16,03	20,97	25,72	
120	8,66	11,44					
125	9,03	11,94	14,80	17,61	23,08	28,36	
127	9,17	12,13		17,90			
133	9,62	12,73	15,78	18,79			
139,7	10,11	13,39	16,61	19,78	25,98	31,99	
152	11,02	14,60	18,13	21,60			
159	11,54	15,29	18,99	22,64	29,79		
164	11,91	15,78					
168,3	12,23	16,21	20,14	24,02	31,63	39,04	46,26
177,8	12,93	17,14	21,31	25,42	33,50		
193,7	14,11	18,71	23,27	27,77	36,64	45,30	53,77
200	14,57	19,33	24,04	28,71	37,88		
219,1	15,99	21,22	26,40	31,53	41,65	51,57	61,29
244,5		23,72	29,53	35,29	46,66	57,83	68,81
273		26,54	33,05	39,51	52,28	64,86	77,24
323,9		31,56	39,32	47,04	62,32	77,41	92,30

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Quadrado

Diâmetro exterior (mm)	Kg/m						
	3,00	4,00	5,00	6,00	8,00	10,00	12,00
30x30	2,36						
40x40	3,30	4,20					
45x45	3,77	4,83					
50x50	4,25	5,45					
60x60	5,19	6,71	8,13	9,45			
70x70	6,13	7,97	9,70	11,33			
80x80	7,07	9,22	11,27	13,21			
90x90	8,01	10,48	12,84	15,10			
100x100	8,96	11,73	14,41	16,98	21,39	25,56	
120x120	10,84	14,25	17,55	20,75	26,41	31,84	35,84
125x125	11,31	14,87	18,33	21,69	27,67	33,41	
130x130	11,78	15,50	19,12	22,63	28,92	34,98	39,61
140x140	12,72	16,76	20,69	24,52	31,43	38,12	43,38
150x150	13,67	18,01	22,26	26,40	33,95	41,26	47,15
160x160	14,61	19,27	23,83	28,29	36,46	44,40	50,91
175x175	16,02	21,15	26,18	31,11	40,23	49,11	56,57
180x180		21,78	26,97	32,05	41,48	50,68	58,45
200x200		24,29	30,11	35,82	46,51	56,96	65,99
220x220		26,81	33,25	39,59	51,96	63,92	
250x250		30,57	37,96	45,24	59,07	72,66	84,83
260x260			39,53	47,13	61,58	75,80	88,59

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.

Retangular

Diâmetro exterior (mm)	Kg/m						
	3,00	4,00	5,00	6,00	8,00	10,00	12,00
40x20	2,36						
40x30	2,83						
50x30	3,30	4,20					
60x30	3,77						
60x40	4,25	5,45					
80x30	4,72						
80x40	5,19	6,71	8,13				
80x50	5,66						
80x60	6,13	7,97	9,70	11,33			
90x40	5,66						
90x50	6,13			11,33			
100x40	6,13	7,97	9,70	11,33			
100x50	6,60	8,59	10,48	12,27			
100x60	7,07	9,22	11,27	13,21			
100x80	8,01	10,48	12,84	15,10			
120x40	7,07	9,22	11,27	13,21			
120x60	8,01	10,48	12,84	15,10			
120x80	8,96	11,73	14,41	16,98		25,56	
140x60	8,96	11,73	14,41	16,98		25,56	
140x80	9,90	12,90	15,98	18,87	23,90	28,70	
150x50	8,96	11,73	14,41	16,98	21,39	25,56	
150x100	11,31	14,87	18,33	21,69	27,67	33,41	37,73
160x80	10,84	14,25	17,55	20,75	26,41	31,84	35,84
160x120	12,72	16,76	20,69	24,52	31,43		
160x140	13,67	18,01	22,26	26,40	33,95		
180x80	11,78	15,50	19,12	22,63	28,92	34,98	39,61
180x100	12,72	16,76	20,69	24,52	31,43	38,12	43,38
180x120	13,67	18,01	22,26	26,40	33,95	41,26	47,15
180x140	14,61	19,27	23,83	28,29	36,46		
200x80	12,72	16,76	20,69	24,52	31,43		
200x100	13,67	18,01	22,26	26,40	33,95	41,26	47,15
200x120	14,61	19,27	23,83	28,29	36,46	44,40	50,91
200x150	16,02	21,15	26,18	31,11	40,23	49,11	56,57
250x100	16,02	21,15	26,18	31,11	40,23	49,11	56,57
250x150		24,29	30,11	35,82	46,51	56,96	65,99
250x200		27,43	34,03	40,53	52,79	64,81	75,41
300x100		24,29	30,11	35,82	46,51	56,96	65,99
300x150		27,43	34,03	40,53	52,79	64,81	75,41
300x200		30,57	37,96	45,24	59,07	72,66	84,83
300x200						75,80	88,59

Obs.: Medidas standard. Outras medidas e/ou qualidades, sob consulta.