

Theoretical weights square bars

<i>Section</i>	<i>Kg/mt</i>						
5	0,196	15	1,766	32	8,038	60	28,260
6	0,283	16	2,010	35	9,616	70	38,460
8	0,502	20	3,140	40	12,560	80	50,240
10	0,785	22	3,799	45	15,900	100	78,500
12	1,130	25	4,906	50	19,630		
14	1,539	30	7,065	55	23,750		

Theoretical weights hexagonal bars

Section	Kg/mt			
5	0,170	13 1,149	27 4,956	60 24,470
6	0,245	14 1,332	30 6,118	65 28,720
7	0,333	15 1,530	32 6,961	70 33,320
8	0,435	16 1,740	36 8,810	75 38,240
9	0,551	17 1,965	41 11,430	80 43,510
10	0,680	19 2,454	46 14,390	90 55,080
11	0,823	22 3,290	50 17,000	
12	0,979	24 3,916	55 20,570	



Theoretical weights round bars

Diameter mm	Kg/mt									
3	0,055	22	2,984	55	18,650	140	120,80	290	518,50	
4	0,099	24	3,551	58	20,720	150	138,70	300	554,90	
5	0,154	25	3,853	60	22,200	160	157,80	320	631,00	
6	0,222	26	4,168	65	26,050	165	167,90	330	671,00	
7	0,302	27	4,495	68	28,490	170	178,20	340	712,30	
8	0,395	28	4,834	70	30,210	180	199,80	350	754,80	
9	0,499	30	5,549	75	34,680	185	211,00	360	798,60	
10	0,617	32	6,313	80	39,460	190	222,60	380	889,90	
11	0,746	34	7,127	85	44,520	200	246,60	400	985,90	
12	0,888	35	7,552	90	49,940	210	271,90	410	1035,00	
13	1,042	36	7,990	95	55,640	220	298,40	420	1087,00	
14	1,208	38	8,903	100	61,650	230	326,10	430	1139,00	
15	1,387	40	9,864	105	67,970	240	355,10	440	1193,00	

Theoretical weights round bars

Diameter mm	Kg/mt																																
	16	17	18	19	20	42	45	48	50	52																							
	1,578	1,782	1,998	2,226	2,466	10,880	12,480	14,200	15,410	16,660	110	115	120	125	130	250	260	270	280	285	385,30	416,80	449,50	483,40	500,80	445	460	480	500	1220,00	1304,00	1420,00	1541,00

Theoretical weights corner bars

<i>dimensions</i>	<i>Kg/mt</i>				
20x20x3	0,88	35x35x4	2,10	60x60x3	2,75
20x20x4	1,14	35x35x5	2,57	60x60x4	3,65
20x20x5	1,38	35x35x6	3,04	60x60x5	4,57
25x25x3	1,12	40x40x3	1,84	60x60x6	5,42
25x25x4	1,45	40x40x4	2,42	70x70x7	7,38
25x25x5	1,77	40x40x5	2,97	75x75x7	7,94
30x30x3	1,36	40x40x6	3,52	80x80x6	7,33
30x30x4	1,78	50x50x3	2,31	80x80x8	9,66
30x30x5	2,18	50x50x4	3,01	80x80x10	11,88
30x30x6	2,56	50x50x5	3,77	100x100x8	12,10
35x35x3	1,60	50x50x6	4,47	100x100x10	15,10

TIG welded tubes calibrated raw

theoretical weights

Thickness	1	1,2	1,5	2	2,5	3
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
6	0,126					
8	0,175		0,244			
10	0,226	0,265	0,320			
12	0,276	0,326	0,396			
13,5	0,301	0,356	0,433			
14	0,327	0,386	0,471	0,601		
15	0,352	0,416	0,509	0,651		
16	0,377	0,440	0,546	0,703		
17,2	0,407	0,482	0,592	0,764	0,923	
18	0,427	0,506	0,622	0,804		

TIG welded tubes calibrated raw

theoretical weights

Thickness	1	1,2	1,5	2	2,5	3
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
20	0,477	0,567	0,697	0,904		
21,3	0,510	0,606	0,746	0,970	1,185	1,375
22	0,528	0,627	0,772	1,005		
23	0,553	0,657	0,810	1,055		
25	0,602	0,717	0,885	1,152	1,409	1,663
26,9	0,651	0,775	0,957	1,251	1,532	1,801
28	0,678	0,808	0,999	1,306	1,602	1,884
30	0,728	0,868	1,074	1,407	1,720	2,035
32	0,779	0,920	1,149	1,507	1,853	2,185
33,7	0,821	0,980	1,213	1,593	1,959	2,314

TIG welded tubes calibrated raw

theoretical weights

Thickness	1	1,2	1,5	2	2,5	3
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
35	0,854	1,019	1,262	1,658	2,041	2,411
38	0,929	1,109	1,375	1,809	2,230	2,638
40	0,980	1,170	1,451	1,909	2,355	2,788
42,4	1,040	1,242	1,541	2,030	2,506	2,969
44,5	1,096	1,309	1,620	2,135	2,638	3,127
48,3	1,191	1,420	1,763	2,326	2,786	3,414
50	1,231	1,470	1,828	2,412	2,983	3,342
52	1,285	1,531	1,902	2,512	3,109	3,693

TIG welded tubes calibrated raw

theoretical weights

Thickness	1,5	2	2,5	3	3,5	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
54	1,978	2,612	3,234	3,843		
57	2,088	2,758	3,416	4,056	3,433	4,080
60,3	2,216	2,929	3,630	4,318	5,000	5,675
63,5	2,336	3,090	3,831	4,559	5,292	5,997
70	2,581	3,416	4,239	5,049	5,685	6,650
73	2,700	3,578	4,440	5,292	6,130	6,955
76,1	2,811	3,723	4,622	5,509	6,450	7,267
80	2,958	3,919	4,867	5,803	6,747	7,660
84	3,099	4,107	5,071	6,048	7,011	7,963
85	3,140	4,170	5,180	6,170	7,165	8,140
88,9	3,293	4,366	5,426	6,473	7,680	8,557

TIG welded tubes calibrated raw

theoretical weights

Thickness	1,5	2	2,5	3	3,5	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
101,6	3,772	5,004	6,295	7,430	8,652	9,838
103	3,825	5,120	6,400	7,650	8,745	9,950
104		5,108				
108	4,025	5,342	6,646	7,938	9,216	10,480
114,3	4,250	5,642	7,021	8,388	9,772	11,200
129	4,802	6,380	7,944	9,495	11,050	12,600
139,7	5,191	6,918	8,650	10,300	12,300	13,680
154	5,746	7,636	9,514	11,490	23,270	15,525
168,3	6,285	8,335	10,410	12,460	14,530	16,560
204		10,140	12,660	15,220	17,640	20,100

TIG welded tubes calibrated raw

theoretical weights

Thickness	1,5	2	2,5	3	3,5	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
219,1		10,920	13,650	16,330	19,000	21,700
254		12,700	15,850	18,970	22,100	25,200
273		13,650	17,305	20,420	23,800	27,200
304		15,230	19,000	22,750	26,500	30,300
323,9		16,120		24,106		
354		17,850	22,260	26,660	31,060	35,500
406,4				30,305		40,305

High-frequency welded pipes square

theoretical weights

Thickness	1	1,2	1,5	2	3	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
10 x 10	0,294					
12,7 x 12,7	0,352	0,450	0,550			
15 x 15	0,450	0,540	0,660			
16 x 16	0,477	0,567	0,697	0,904		
20 x 20	0,610	0,730	0,900	1,180		
22 x 22	0,680	0,810	1,000	1,300		
25 x 25	0,770	0,920	1,140	1,490	2,170	
30 x 30	0,930	1,110	1,360	1,810	2,650	
32 x 32	1,000	1,190	1,470	1,940		
35 x 35	1,090	1,300	1,620	2,130	3,120	

High-frequency welded pipes square

theoretical weights

Thickness	1	1,2	1,5	2	3	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
40 x 40	1,256	1,500	1,860	2,450	3,600	4,700
45 x 45	1,410	1,690	2,100	2,770	4,080	
50 x 50		1,880	2,340	3,090	4,560	5,980
60 x 60			2,810	3,730	5,520	7,250
70 x 70				4,370	6,470	8,530
80 x 80			3,770	5,100	7,430	9,810
100 x 100			4,730	6,280	9,340	12,360
120 x 120				7,580	11,304	
150 x 150				9,469	14,129	
200 x 200					17,000	

High-frequency welded pipes rectangular

theoretical weights

Thickness	1	1,2	1,5	2	3	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
20 x 10	0,460	0,540	0,660			
20 x 15	0,528	0,627	0,772			
25 x 15	0,610	0,730	0,900	1,180		
30 x 10	0,612	0,729	0,901			
30 x 15	0,680	0,810	1,000	1,300		
30 x 20	0,770	0,920	1,140	1,490		
35 x 15	0,779	0,920	1,149	1,507		
35 x 20	0,854	1,019	1,262	1,658		
40 x 15	0,850	1,020	1,260	1,650		
40 x 20	0,930	1,110	1,380	1,810	2,650	

High-frequency welded pipes rectangular

theoretical weights

Thickness	1	1,2	1,5	2	3	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
40 x 30	1,090	1,300	1,620	2,130	3,120	
50 x 20	1,090	1,300	1,620	2,130	3,120	
50 x 25	1,190	1,420	1,760	2,320	3,410	
50 x 30	1,250	1,500	1,860	2,450	3,600	
50 x 40			2,100	2,770	4,080	
60 x 30	1,410	1,690	2,100	2,770	4,080	
60 x 40		1,880	2,340	3,090	4,560	5,980
70 x 20		1,682	2,091			
80 x 40		2,258	2,811	3,730	5,520	7,250
80 x 60				4,366	6,473	

High-frequency welded pipes rectangular

theoretical weights

Thickness	1	1,2	1,5	2	3	4
Diam.	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt	kg/mt
100 x 40			3,293	4,370	6,470	8,530
100 x 50			3,542	4,660	6,950	9,170
100 x 60				5,000	7,430	9,810
120 x 60				5,640	8,390	11,080
120 x 80			4,730	6,280	9,340	12,360
150 x 50				6,280	9,340	
150 x 100				7,875	11,737	
200 x 100				9,469	14,129	



Flat-rolled bars sheared

Some sizes also available drawn
width

thickness (kg/mt)

mm	3	4	5	6	8	10	12	15	20	25	30	40	50
10	0,240	0,320	0,400										
15	0,360	0,480	0,600	0,720	0,960	1,200							
20	0,480	0,640	0,800	0,960	1,280	1,600	1,920	2,400					
25	0,600	0,800	1,000	1,200	1,600	2,000	2,400	3,000	4,000				
30	0,720	0,960	1,200	1,440	1,920	2,400	2,880	3,600	4,800	6,000			
35	0,840	1,120	1,400	1,680	2,240	2,800	3,360	4,200	5,600	7,000	8,400		
40	0,960	1,280	1,600	1,920	2,560	3,200	3,840	4,800	6,400	8,000	9,600		
45	1,080	1,440	1,800	2,160	2,880	3,600	4,320	5,400	7,200	9,000	10,800		
50	1,200	1,600	2,000	2,400	3,200	4,000	4,800	6,000	8,000	10,000	12,000	16,000	
60	1,440	1,920	2,400	2,880	3,840	4,800	5,760	7,200	9,600	12,000	14,400	19,200	24,000

Flat-rolled bars sheared

Some sizes also available drawn
width

thickness (kg/mt)

mm	3	4	5	6	8	10	12	15	20	25	30	40	50
70	1,680	2,240	2,800	3,360	4,480	5,600	6,720	8,400	11,200	14,000	16,800	22,400	28,000
80	1,920	2,560	3,200	3,840	5,120	6,400	7,680	9,600	12,800	16,000	19,200	25,600	32,000
90	2,160	2,880	3,600	4,320	5,760	7,200	8,640	10,800	14,400	18,000	21,600	28,800	36,000
100	2,400	3,200	4,000	4,800	6,400	8,000	9,600	12,000	16,000	20,000	24,000	32,000	40,000
110	2,640	3,520	4,400	5,280	7,040	8,800	10,560	13,200	17,600	22,000	26,400	35,200	44,000
120	2,880	3,840	4,800	5,760	7,680	9,600	11,520	14,400	19,200	24,000	28,800	38,400	48,000
130	3,120	4,160	5,200	6,240	8,320	10,400	12,480	15,600	20,800	26,000	31,200	41,600	52,000
140	3,360	4,480	5,600	6,720	8,960	11,200	13,440	16,800	22,400	28,000	33,600	44,800	56,000
150	3,600	4,800	6,000	7,200	9,600	12,000	14,400	18,000	24,000	30,000	36,000	48,000	60,000
200	4,800	6,400	8,000	9,600	12,800	16,000	19,200	24,000	32,000	40,000	48,000	64,000	80,000



Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
32	20	6	4,23
	16	8	5,11
36	25	5,5	4,58
	20	8	5,96
	16	10	6,84
40	28	6	5,53
	25	7,5	6,51
	20	10	7,89
45	32	6,5	6,75
	28	8,5	8,23
	20	12,5	10,6
50	36	7	8,08
	32	9	9,75
	25	12,5	12,2

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
56	40	8	10,3
	36	10	12,1
	28	14	15,3
63	50	6,5	10,0
	40	11,5	15,6
	36	13,5	17,5
	32	15,5	19,1
71	56	7,5	13,0
	45	13	19,8
	40	15,5	22,4
	36	17,5	24,3
75	40	17,5	26,2

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
80	63	8,5	16,5
	50	15	25,5
	45	17,5	28,5
	40	20	31,1
85	45	20	33,7
90	71	9,5	20,8
	63	13,5	27,4
	56	17	32,5
	50	20	36,4
95	50	22,5	42,3
100	80	10	24,6
	71	14,5	32,9
	63	18,5	39,5
	56	22	44,6

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
106	80	13	32,5
	71	17,5	40,8
	63	21,5	47,4
	56	25	52,5
112	90	11	30,4
	80	16	40,8
	71	20,5	49,2
	63	24,5	58,8
118	90	14	39,2
	80	19	49,7
	71	23,5	64,6
	63	27,5	57,9

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
125	100	12,5	38,4
	90	17,5	50,1
	80	22,5	60,5
	71	27	68,9
132	106	13	42,3
	90	21	61,6
	80	26	72,0
	71	30,5	80,3
140	112	14	48,2
	100	20	63,8
	90	25	75,4
	80	30	85,9

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
150	125	12,5	47,8
	106	22	74,7
	95	27,5	88,3
	80	35	104,4
160	132	14	56,6
	122	19	72,1
	112	24	86,5
170	140	15	64,3
	130	20	80,8
	118	26	99,1
180	150	15	68,9
	140	20	86,6
	125	27,5	111

Hollow bars AISI 304L and 316L

Outside Diameter	Inside Diameter	Thickness	Weight Kg/mt
190	160	15	73,5
	150	20	92,5
	132	29	123,6
200	160	20	98,4
	150	25	117,3
	140	30	135,2
212	170	21	109,7
	130	41	183,3
224	180	22	121,6
	140	42	200,2
236	190	23	134,2
	150	43	217,6
250	200	25	153,7

Seamless pipes and tubes

theoretical weights

Diam.	Th.	kg/mt	Diam.	Th.	kg/mt	Diam.	Th.	kg/mt
6	1	0,125	21,34	4,78	1,982	60,33	2,77	3,990
6	1,5	0,169	22	1,5	0,770	60,33	3,91	5,521
8	1	0,175	22	2	1,002	60,33	5,54	7,596
8	1,5	0,244	25	1,5	0,883	60,33	8,74	11,284
8	2	0,300	25	2	1,152	73,03	3,05	5,345
10	1	0,225	25	2,5	1,409	73,03	5,16	8,769
10	1,5	0,319	26,67	1,65	1,034	73,03	7,01	11,584
10	2	0,401	26,67	2,11	1,298	76,1	2,90	5,315
12	1	0,275	26,67	2,87	1,710	76,1	3,65	6,622
12	1,5	0,394	26,67	3,91	2,228	88,9	3,05	6,557
12	2	0,501	26,67	5,56	2,939	88,9	4,05	8,504

Seamless pipes and tubes

theoretical weights

Diam.	Th.	kg/mt	Diam.	Th.	kg/mt	Diam.	Th.	kg/mt
13,72	1,65	0,499	26,67	7,82	3,691	88,9	5,49	11,466
13,72	2,24	0,644	28	2	1,302	88,9	7,62	15,509
13,72	3,02	0,809	28	2,5	1,596	101,6	3,05	7,526
14	1	0,326	30	3	2,028	101,6	5,74	13,778
14	1,5	0,470	33,4	2,77	2,125	101,6	8,08	18,921
15	1	0,351	33,4	3,38	2,541	114,3	3,05	8,496
15	1,5	0,507	33,4	4,55	3,287	114,3	6,02	16,322
16	1	0,376	33,4	6,35	4,301	114,3	8,56	22,665
16	1,5	0,545	35	2	1,653	114,3	13,49	34,053
16	2	0,701	38	2	1,803	141,3	3,40	11,740
17,15	1,65	0,640	38	3	2,629	141,3	6,55	22,101

Seamless pipes and tubes

theoretical weights

Diam.	Th.	kg/mt	Diam.	Th.	kg/mt	Diam.	Th.	kg/mt
17,15	2,31	0,858	38	4	3,405	141,3	9,53	31,444
17,15	3,2	1,118	42,16	1,65	1,674	168,3	3,40	14,037
18	1	0,426	42,16	2,77	2,732	168,3	7,11	28,694
18	1,5	0,620	42,16	3,56	3,441	168,3	10,97	43,211
18	2	0,801	42,16	4,85	4,531	219,1	3,76	20,274
20	1,5	0,695	42,16	6,35	5,694	219,1	8,18	43,202
20	2	0,901	42,16	9,70	8,010	219,1	12,70	65,637
21,34	1,65	0,814	48,26	2,77	3,155	273	9,27	61,217
21,34	2,11	1,014	48,26	3,68	4,108	273	12,70	82,777
21,34	2,77	1,288	48,26	5,08	5,493	323,9	9,52	75,000
21,34	3,73	1,645	48,26	7,14	7,352	323,9	12,70	98,950

Sheets

theoretical weights

spessore

<i>Formato</i>	0,5	0,6	0,7	0,8	1	1,2	1,5	2	2,5	3	4	5	6	8	10	12	15	20
1000x2000	8	9,6	11,2	12,8	16	19,2	24	32	40	48	64	80	96	128	160	192	240	320
1000x3000	12	14,4	16,8	19,2	24	28,8	36	48	60	72	96	120	144	192	240	288	360	480
1000x4000	16	19,2	22,4	25,6	32	38,4	48	64	80	96	128	160	192	256	320	384	480	640
1250x2500	12,5	15	17,5	20	25	30	37,5	50	62,5	75	100	125	150	200	250	300	375	500
1250x3000	15	18	21	24	30	36	45	60	75	90	120	150	180	240	300	360	450	600
1250x4000	20	24	28	32	40	48	60	80	100	120	160	200	240	320	400	480	600	800
1500x3000	-	-	-	28,8	36	43,2	54	72	90	108	144	180	216	288	360	432	540	720
1500x4000	-	-	-	-	48	57,6	72	96	120	144	192	240	288	384	480	576	720	960