

Stainless Steel Bars

Rounds in Kgs Per Ft.

Diameter	Kgs. per ft.	Diameter	Kgs. per ft.	Diameter	Kgs. per ft.
1/16"	0.0047	18mm	0.610	90mm	15.22
5/64"	0.0073	19mm	0.679	3 3/4"	17.04
2mm	0.0076	3/4"	0.682	100mm	18.79
3/32"	0.011	20mm	0.753	4"	19.38
7/64"	0.014	13/16"	0.800	4 1/4"	21.88
3mm	0.017	21mm	0.829	110mm	22.74
1/8"	0.019	22mm	0.908	4 1/2"	24.53
9/64"	0.022	7/8"	0.926	120mm	27.07
5/32"	0.029	23mm	0.994	4 3/4"	27.33
4mm	0.030	15/16"	1.07	5"	30.30
11/64"	0.035	24mm	1.08	130mm	31.70
3/16"	0.043	25mm	1.18	5 1/4"	33.38
5mm	0.047	1"	1.21	5 1/2"	36.65
13/64"	0.050	1 1/16"	1.37	140mm	36.88
7/32"	0.058	28mm	1.47	5 3/4"	40.06
15/64"	0.067	1 1/8"	1.53	150mm	42.37
6mm	0.068	30mm	1.69	6"	43.61
1/4"	0.076	1 3/16"	1.71	6 1/4"	47.31
17/64"	0.086	1 1/4"	1.89	160mm	48.16
7mm	0.091	32mm	1.92	6 1/2"	51.17
9/32"	0.095	1 5/16"	2.09	170mm	54.26
19/64"	0.107	1 3/8"	2.28	6 3/4"	55.20
5/16"	0.118	36mm	2.44	7"	59.38
8mm	0.122	1 1/2"	2.73	180mm	60.96
21/64"	0.132	40mm	3.01	7 1/4"	63.69
11/32"	0.143	1 5/8"	3.20	190mm	67.97
9mm	0.152	1 3/4"	3.71	7 1/2"	68.13
23/64"	0.157	45mm	3.80	7 3/4"	72.71
3/8"	0.170	1 7/8"	4.26	200mm	75.30
10mm	0.189	50mm	4.70	8"	77.57
13/32"	0.199	2"	4.86	8 1/4"	82.46
11mm	0.228	2 1/8"	5.47	8 1/2"	87.54
7/16"	0.232	55mm	5.69	220mm	90.80
15/32"	0.270	2 1/4"	6.13	8 3/4"	92.72
12mm	0.271	60mm	6.77	9"	98.11
1/2"	0.303	2 3/8"	6.83	9 1/2"	109.30
13mm	0.317	2 1/2"	7.57	250mm	117.00
14mm	0.369	65mm	7.94	10"	121.10
9/16"	0.383	2 3/4"	9.16	10 1/2"	133.50
15mm	0.424	70mm	9.21	11"	146.60
5/8"	0.473	3"	10.90	280mm	147.00
16mm	0.481	80mm	12.03	11 1/2"	160.20
17mm	0.543	3 1/4"	12.80	300mm	169.00
11/16"	0.573	3 1/2"	14.84	12"	174.40

Guide to Stainless Steel

	410	416	420	431	430	304	303	321	316
Blanking	1	-	2	-	1	2	-	2	2
Brake Forming	4	-	4	-	1	1	-	1	1
Brazing	4	4	4	4	2	2	4	2	2
Deep drawing	4	-	4	-	2	1	-	2	2
Drilling	2	1	3	3	1	3	2	3	3
Machining	3	1	3	3	2	3	1	3	3
Polishing	2	3	2	2	2	1	4	2	2
Sawing	2	1	3	3	2	3	2	3	3
Spinning	-	-	-	-	1	3	-	3	3
Welding	-	-	-	-	2	1	4	1	1
Code	1 = Excellent	2 = Good	3 = Fair	4 = Unsuitable					

Stainless Steel Stock Range

Section	Specification	Sizes	Finish
ROUND	303S31	1/8" < 12" + Metric Sizes	Bright Drawn Bright Ground Smooth Turned
	316S11		
	321S31		
	304S11		
	431S29		
	416S21		
SQUARE	304S11	3/8" < 3" + Metric Sizes	HRSD
	321S31		
	316S11		
FLAT	304S11	1/2" x 1/8" < 4" x 1" + Metric Sizes	HRSD
	321S11		
	316S11		
HEXAGON	303S31	0.193"A/F < 2.750" + Metric Sizes	Cold Drawn
	304S11		
	316S11		
ANGLE	304S11	3/4" x 3/4" x 1/8" < 4" x 4" x 1/2" + Metric Sizes	HRSD
	321S31		
	316S11		
SHEET	304S15	2m x 1m < 2.5m x 1.25m Thickness 0.4mm-3mm	Cold Rolled 2B Dull/Bright polished bright Annealed
	304S16		
	316S11		
	430S17		
PLATE	304S11	2m x 1m < 6m x 2m Thickness 3mm-25mm	Hot Rolled
	321S31		
	316S11		
HOLLOW	304S31	1/4" < 24"	In a range of Thicknesses

Stainless Steel Sheet

Thickness			Weight						
SWG	inches	mm	Kg/Sq.ft	Kg/Sq.m	Kgs per sheet				
					2m x 1m	2.5m x 1.25m	3m x 1.5m	10' x 5'	12' x 6'
	0.1875	4.76	3.62	39.0	78.0	122.0	175.0	181.0	261.0
8	0.160	4.06	3.09	33.3	66.5	104.0	150.0	155.0	223.0
	0.157	4.00	3.04	32.7	65.5	102.0	147.0	152.0	219.0
10	0.128	3.25	2.47	26.6	53.2	83.2	120.0	124.0	178.0
11	0.118	3.00	2.28	24.6	49.1	76.7	110.0	114.0	164.0
12	0.104	2.64	2.01	21.6	43.2	67.6	97.3	100.0	145.0
14	0.080	2.03	1.55	16.6	33.3	52.0	74.8	77.3	111.0
	0.0787	2.00	1.52	16.4	32.7	51.2	73.7	76.0	109.0
16	0.084	1.63	1.24	13.3	26.6	41.6	59.9	61.8	89.0
	0.0591	1.50	1.14	12.3	24.6	38.4	55.2	57.0	82.1
18	0.048	1.22	0.927	9.98	20.0	31.2	44.9	46.4	-
	0.0394	1.00	0.760	8.19	16.4	25.6	36.8	38.0	-
20	0.036	0.914	0.695	7.48	15.0	23.4	-	-	-
22	0.028	0.711	0.541	5.82	11.6	18.2	-	-	-
24	0.022	0.559	0.425	4.57	9.15	14.3	-	-	-
	0.0197	0.50	0.380	4.09	8.18	12.8	-	-	-
26	0.018	0.457	0.348	3.74	7.48	11.7	-	-	-
27	0.0157	0.40	0.304	3.274	6.548	10.23	-	-	-
30	0.0124	0.315	0.239	2.58	5.16	8.06	-	-	-