



STAINLESS STEEL PIPE STANDARDS

Nominal Dia. (inches)	Outside Dia.		Wall Thickness	Nominal Wall Thickness and Inside Diameter							
	Inches	mm.		Inside Dia.	Sch. 5s		Sch. 10s		Sch. 40s		Sch. 80s
			In.		mm	In.	mm	In.	mm	In.	mm
1/8	0.405	10.29	Wall	0.035	0.89	0.049	1.24	0.068	1.73	0.095	2.41
			i.d.	0.335	8.51	0.307	7.81	0.269	6.83	0.215	5.47
1/4	0.540	13.72	Wall	0.049	1.24	0.065	1.65	0.088	2.24	0.119	3.02
			i.d.	0.442	11.24	0.410	10.42	0.364	9.24	0.302	7.68
3/8	0.675	17.15	Wall	0.049	1.24	0.065	1.65	0.091	2.31	0.126	3.18
			i.d.	0.577	14.65	0.545	13.85	0.493	12.53	0.423	10.79
1/2	0.840	21.34	Wall	0.065	1.65	0.083	2.11	0.109	2.77	0.147	3.73
			i.d.	0.710	18.04	0.674	17.12	0.622	15.80	0.546	13.88
3/4	1.050	26.67	Wall	0.065	1.65	0.083	2.11	0.113	2.87	0.154	3.91
			i.d.	0.920	23.37	0.884	22.45	0.824	20.93	0.742	18.85
1	1.315	33.40	Wall	0.065	1.65	0.109	2.77	0.133	3.38	0.179	4.55
			i.d.	1.185	30.10	1.097	27.86	1.049	26.64	0.957	24.30
1-1/4	1.660	42.16	Wall	0.065	1.65	1.109	2.77	0.140	3.56	0.191	4.85
			i.d.	1.530	38.86	1.442	36.62	1.380	35.04	1.278	32.46
1-1/2	1.900	48.26	Wall	0.065	1.65	0.109	2.77	0.145	3.69	0.200	5.08
			i.d.	1.770	44.96	1.682	42.72	0.610	40.88	1.500	38.10
2	2.375	60.33	Wall	0.065	1.65	0.109	2.77	0.154	3.91	0.218	5.54
			i.d.	2.245	57.03	2.157	54.79	2.067	62.51	1.939	49.25
2-1/2	2.875	73.03	Wall	0.083	2.11	0.120	3.05	0.203	5.16	0.276	7.01
			i.d.	2.709	68.81	2.635	66.93	2.469	62.71	2.323	59.01
3	3.506	88.90	Wall	0.083	2.11	0.120	3.05	0.216	5.49	0.300	7.62
			i.d.	3.334	84.68	3.260	82.80	3.068	77.92	2.900	73.66
3-1/2	4.000	101.60	Wall	0.083	2.11	0.120	3.05	0.226	5.74	0.318	8.08
			i.d.	3.834	97.38	3.760	95.50	3.548	90.12	3.364	85.44
4	4.500	114.30	Wall	0.083	2.11	0.120	3.05	0.237	6.02	0.337	8.56
			i.d.	4.334	110.08	4.260	108.20	4.026	102.26	3.826	97.18
5	5.563	141.30	Wall	0.109	2.77	0.134	3.40	0.258	6.55	0.375	9.53
			i.d.	5.345	135.76	5.295	134.50	5.047	128.20	4.813	122.24
6	6.625	168.28	Wall	0.109	2.77	0.134	3.40	0.280	7.11	0.432	10.97
			i.d.	6.407	162.74	6.357	161.48	6.065	154.06	5.761	146.34
8	8.625	219.08	Wall	0.109	2.77	0.148	3.76	0.322	8.18	0.500	12.70
			i.d.	8.407	213.54	8.329	211.56	7.981	202.72	7.625	193.68
10	10.750	273.05	Wall	0.134	3.40	0.165	4.19	0.365	9.27	0.500	12.70
			i.d.	10.482	266.25	10.420	264.67	10.020	254.51	9.750	247.65
12	12.750	323.85	Wall	0.156	3.96	0.180	4.57	0.375	9.53	0.500	12.70
			i.d.	12.438	315.93	1.390	314.71	12.000	304.79	11.750	298.45

¹Schedule 5s and 10s wall thickness do not permit threading in accordance with ASA B2-1.

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Weight of Round, Square & Hexagonal Steel Bars

(Size in Inches) Weight in Kgs. per Linear Foot.
Weight are based on a Specific of 7.85

Size	Round	Square	Hexagon	Size	Round	Square	Hexagon
1/16"	0.0045	-	-	2.7/8"	10.000	12.760	11.050
1/8"	0.0190	-	-	3"	10.900	13.900	12.030
3/16"	0.0427	0.0545	0.0454	3.1/4"	12.800	16.310	-
1/4"	0.0758	0.0963	0.0817	3.1/2"	14.840	18.910	-
5/16"	0.1185	0.1512	0.1317	3.3/4"	17.000	21.710	-
3/8"	0.1702	0.2170	0.1862	4"	19.380	24.700	-
7/6"	0.2320	0.2956	0.2543	4.1/4"	21.910	27.890	-
1/2"	0.3028	0.3859	0.3359	4.1/2"	24.560	31.270	-
9/16"	0.3837	0.4887	0.4223	4.3/4"	27.350	34.830	-
5/8"	0.4731	0.6026	0.5222	5"	30.300	38.590	-
11/16"	0.5731	0.7300	0.6356	5.1/4"	33.420	42.550	-
3/4"	0.6820	0.8688	0.7537	5.1/2"	36.670	46.670	-
13/16"	0.8004	1.020	0.8808	5.3/4"	40.090	51.020	-
7/8"	0.9279	1.182	1.022	6"	43.600	55.580	-
15/16"	1.065	1.357	1.176	6.1/4"	47.350	60.340	-
1"	1.210	1.542	1.335	6.1/2"	51.200	65.290	-
1.1/8"	1.532	1.955	1.693	6.3/4"	55.250	70.416	-
1.1/4"	1.894	2.410	2.088	7"	59.400	75.730	-
1.3/8"	2.290	2.920	2.516	7.1/4"	63.690	81.220	-
1.1/2"	2.720	3.470	3.010	7.1/2"	68.210	86.895	-
1.5/8"	3.200	4.075	3.533	7.3/4"	72.780	92.798	-
1.3/4"	3.710	4.730	4.096	8"	77.500	98.880	-
1.7/8"	4.255	5.425	4.703	8.1/2"	87.672	111.640	-
2"	4.850	6.170	5.350	9"	99.760	125.168	-
2.1/8"	5.470	6.990	6.040	9.1/2"	109.514	139.425	-
2.1/4"	6.150	7.838	6.760	10"	121.300	154.496	-
2.3/8"	6.985	8.780	7.550	10.1/2"	133.780	170.341	-
2.1/2"	7.570	9.650	8.360	11"	146.700	186.957	-
2.5/8"	8.350	10.630	-	11.1/2"	160.475	204.345	-
2.3/4"	9.170	11.680	10.100	12"	174.600	222.460	-

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STANDARD WIRE GUAGE

SWG No.	Dia (inch)	Dia MM	SWG No.	Dia (inch)	Dia MM	SWG No.	Dia (inch)	Dia MM
7/0	.500	12.7000	13	.092	2.2368	32	.0108	0.2743
6/0	.464	11.7856	14	.080	2.0320	33	.0100	0.2540
5/0	.432	10.9728	15	.072	1.8288	34	.0092	0.2357
4/0	.400	10.1600	16	.064	1.6256	35	.0084	0.2134
3/0	.372	9.488	17	.056	1.4224	36	.0076	0.1930
2/0	.348	8.8392	18	.048	1.2192	37	.0068	0.1727
1/0	.324	8.2296	19	.040	1.0160	38	.0060	0.1524
1	.300	7.6200	20	.036	0.9144	39	.0052	0.1321
2	.276	7.0104	21	.092	0.8128	40	.0048	0.1219
3	.252	6.4008	22	.028	0.7112	41	.0044	0.1118
4	.232	5.8928	23	.024	0.6096	42	.0040	0.0106
5	.212	5.3848	24	.022	0.5588	43	.0036	0.0914
6	.192	4.8768	25	.020	0.5080	44	.0032	0.0613
7	.176	4.4704	26	.018	0.4572	45	.0028	0.0711
8	.160	4.0640	27	.0164	0.4166	46	.0024	0.0610
9	.144	3.6576	28	.0148	0.3759	47	.0020	0.0580
10	.128	3.2512	29	.0136	0.3454	48	.0016	0.0406
11	.116	2.9454	30	.0214	0.3150	49	.0012	0.0305
12	.104	2.6416	31	.0116	0.2946	50	.0010	0.0254

M. S. PLATE

Thick- ness MM	Basic Weight Kg/M2	Thick- ness MM	Basic Weight Kg/M2
5	39.2	25	196.2
6	47.1	28	219.8
7	55.0	32	251.2
8	62.8	36	282.6
9	70.6	40	314.0
10	78.5	45	353.2
12	109.9	50	392.5
14	109.9	56	439.6
16	125.6	63	494.5
18	141.3	71	557.4
20	157.0	80	628.0
22	172.7		

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Wheels, Axles and Wheel Sets

Roller Bearing (20 tonnes BG)	Wheel Sets
Plain Bearing (16 tonnes BG)	
Plain Bearing (12 tonnes MG)	
Loose Wheels and Axles	

Wheel Sets

Box 'N'	22.9 Tonnes
Coaching	12 Tonnes
RBBG	20 Tonnes
PBMG	12 Tonnes

Loose Wheels

Coaching	13 Tonnes
RBBG	20 Tonnes
PBMG	12 Tonnes

Loose Axles

RBBG	20 Tonnes
PBBG	16 Tonnes

Skelp

Width in mm	Thickness in mm
147	2.8, 3.1
166	2.5, 3.1
181	4.3
184	2.5, 2.8, 3.1, 3.5
205	2.5, 2.8, 3.1, 3.9
216	2.5, 3.1
234	3.1, 3.5, 3.9

Heavy Rails

Size	Weight Kg/m
90lb/yard (IRS)	44.61 Kg/m
105 lb yard (IRS) / 52 kg/m	51.89 kg/m

Crane Rails

Size	Weight Kg/m
CR-80	63.52
CR-100	89.96
CR-120	118.10

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Equal Angles

Size mm	Weight Kg/m
20 x 20 x 3	0.9
25 x 25 x 3	1.1
25 x 25 x 5	1.8
35 x 35 x 5	2.6
40 x 40 x 5	3.0
40 x 40 x 6	3.5
45 x 45 x 5	3.4
50 x 50 x 5	3.8
50 x 50 x 6	4.5
65 x 65 x 6	5.8
65 x 65 x 8	7.7
65 x 65 x 10	9.4
75 x 75 x 6	6.8
75 x 75 x 8	8.9
75 x 75 x 10	11.0
90 x 90 x 6	8.2
90 x 90 x 8	10.8
90 x 90 x 10	13.4
100 x 100 x 8	12.1
100 x 100 x 10	14.9
100 x 100 x 12	17.7
110 x 110 x 10	16.6
130 x 130 x 10	19.7
130 x 130 x 12	23.4
150 x 150 x 12	27.2
150 x 150 x 16	35.8
150 x 150 x 20	44.1
200 x 200 x 16	48.50
200 x 200 x 20	60.00

Channels

Size mm	Weight Kg/m
75 x 40	7.14
100 x 50	9.56
125 x 65	13.1
150 x 75	16.8
175 x 75	19.6
200 x 75	22.3
250 x 80	30.6
300 x 90	36.3
400 x 100	50.1
4" x 32 (Telechannel)	5.05

Beams

Size mm	Weight Kg/m
100 x 50	11.5
125 x 70	13.2
150 x 85	15.0
175 x 85	20.0
200 x 100	25.4
250 x 125	38.0
300 x 140	46.1
350 x 140	52.4
400 x 140	61.6
450 x 150	72.4
500 x 180	86.9
600 x 210	123.0



WEIGHT OF STEEL ROUND - HEX SQUARE BARS IN KILOGRAMS PER METER

Size mm	Round	Sq.	Hex mm	Size mm	Round	Sq.	Hex mm	Size mm	Round	Sq.	Hex mm
3	0.05	-	-	75	34.68	44.16	38.25	290	518.36	-	-
3.5	0.08	-	-	80	39.46	50.24	43.51	300	536.5	683.1	-
4	0.10	-	-	85	44.45	56.72	49.12	315	573.5	-	-
4.5	0.13	-	-	90	49.95	63.53	55.07	320	631.3	-	-
5	0.15	0.20	0.17	95	55.04	-	-	325	651.2	-	-
6	0.22	0.28	0.24	100	61.95	78.50	67.98	330	671.4	-	-
7	0.30	0.39	0.33	105	67.97	-	-	335	692.0	-	-
8	0.40	0.50	0.44	110	74.60	94.99	-	340	712.7	907.5	-
9	0.50	0.84	-	115	81.54	-	-	345	733.8	-	-
10	0.62	0.79	0.68	120	88.78	113.04	-	350	755	962	-
11	0.75	0.96	0.82	125	96.33	122.65	-	355	777	-	-
12	0.89	1.13	0.93	130	104.20	132.65	-	360	800	1020	-
13	1.04	1.33	1.15	135	112.36	-	-	365	833	-	-
14	1.21	1.54	1.33	140	120.84	153.86	-	380	892	-	-
15	1.39	1.77	-	150	138.72	176.63	-	385	892	-	-
16	1.58	2.01	1.74	160	157.8	201.00	-	390	940	-	-
17	1.70	-	1.97	165	167.9	213.70	-	395	964	-	-
18	2.00	-	2.20	170	178.2	225.9	-	400	988	-	-
19	2.23	2.83	2.45	175	188.8	240.4	-	405	1013	-	-
20	2.47	3.14	2.72	180	199.8	254.3	-	410	1038	-	-
22	2.98	3.80	3.25	185	211.0	268.7	-	415	1063	-	-
24	3.55	-	3.81	190	222.6	283.4	-	420	1089	-	-
26	3.95	4.81	4.23	200	246.6	314.0	-	425	1115	-	-
26	4.17	-	-	215	285.0	-	-	430	1141	-	-
27	4.43	-	4.95	220	298.4	-	-	435	1167	-	-
29	4.93	6.25	5.33	225	312.1	397.4	-	440	1196	-	-
30	5.54	7.00	6.12	230	326.1	415.3	-	445	1222	-	-
32	6.31	8.04	6.96	235	340.5	-	-	450	1248	-	-
36	7.80	10.17	8.81	240	355.1	-	-	455	1275	-	-
38	8.30	11.83	9.91	245	370.1	-	-	460	1303	-	-
40	8.37	12.4	10.85	250	385.3	490.6	-	465	1331	-	-
42	10.68	13.85	12.00	255	400.9	-	-	470	1361	-	-
45	13.05	16.61	14.39	260	416.8	530.7	-	475	1390	-	-
50	13.41	19.63	17.00	265	433.0	-	-	480	1420	-	-
55	18.65	23.75	20.60	270	449.5	-	-	485	1450	-	-
56	19.34	24.52	21.32	275	466.3	-	-	490	1481	-	-
65	26.05	33.16	28.80	280	483.4	-	-	495	1511	-	-
70	30.21	38.47	33.31	285	500.0	-	-	500	1541	-	-

FOR H. S. S & OTHER HIGH ALLOY Add. 10%

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