



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



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 ROUND, HEX AND SQUARE STEEL 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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M. S. FLATS

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.	Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.	Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.	Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
12 x 3	0.086	0.282	40 x 6	0.580	1.903	63 x 12	1.798	5.899	100 x 32	7.650	25.099
12 x 5	0.143	0.470	40 x 8	0.762	2.500	63 x 16	2.407	7.897	100 x 40	9.500	31.17
20 x 3	0.143	0.470	40 x 10	0.945	3.100	63 x 20	3.017	9.899	125 x 6	1.800	5.900
18 x 4	0.145	0.476	40 x 12	1.158	3.799	63 x 25	3.779	12.399	125 x 8	2.400	7.900
20 x 5	0.241	0.790	40 x 16	1.523	4.997	63 x 32	4.815	15.798	125 x 10	2.986	9.797
20 x 6	0.287	0.942	40 x 20	1.920	6.300	63 x 40	6.034	19.798	125 x 12	3.596	11.798
25 x 3	0.183	0.600	40 x 25	2.407	7.897	75 x 6	1.066	3.498	125 x 16	4.800	15.750
25 x 5	0.305	1.000	40 x 32	2.897	9.505	75 x 8	1.432	4.698	125 x 20	5.973	19.597
25 x 6	0.365	1.197	50 x 3	0.365	1.197	75 x 10	1.798	5.899	125 x 25	7.500	24.600
25 x 8	0.470	1.550	50 x 5	0.609	1.998	75 x 12	2.163	7.097	125 x 32	9.570	31.399
25 x 10	0.609	1.998	50 x 6	0.731	2.398	75 x 16	2.864	9.397	150 x 6	2.200	7.218
25 x 12	0.731	2.398	50 x 8	0.944	3.097	75 x 20	3.596	11.798	150 x 8	2.850	9.400
32 x 3	0.243	0.798	50 x 10	1.188	3.898	75 x 25	4.480	14.699	150 x 10	3.596	11.798
32 x 5	0.395	1.296	50 x 12	1.432	4.698	75 x 40	7.200	23.600	150 x 12	4.297	14.098
32 x 6	0.457	1.499	50 x 16	1.920	6.300	100 x 6	1.432	4.698	150 x 16	5.729	18.797
32 x 8	0.671	2.202	50 x 20	2.377	7.799	100 x 8	1.920	6.300	150 x 20	7.192	23.597
32 x 10	0.854	2.802	50 x 25	2.986	9.797	100 x 10	2.377	7.798	150 x 25	8.991	29.499
32 x 12	1.005	3.297	50 x 40	4.754	15.598	100 x 12	2.864	9.397	150 x 32	11.490	37.699
32 x 16	1.342	4.403	63 x 6	0.915	3.002	100 x 16	3.840	12.599	150 x 40	14.355	47.099
40 x 3	0.274	0.899	63 x 8	1.219	4.000	100 x 20	4.785	15.700			
40 x 5	0.487	1.598	63 x 10	1.500	4.922	100 x 25	5.973	19.599			

M. S. SQUARES

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
9 x 9	0.195	0.640
10 x 10	0.239	0.784
12 x 12	0.345	1.132
16 x 16	0.612	2.008
20 x 20	0.957	3.140
25 x 25	1.496	4.908
32 x 32	2.450	8.038
40 x 40	3.828	12.560
50 x 50	5.979	19.617
63 x 63	9.497	31.160
75 x 75	13.456	44.149
100 x 100	23.925	78.498
100 x 100	28.948	94.980

M. S. SHEET

Size in mm	Size in Gauge	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
3.15	10	2.300	24.750
2.80	11	2.045	21.980
2.50	12	1.826	19.625
2.24	13	1.636	17.584
2.00	14	1.461	15.700
1.80	15	1.314	14.130
1.60	16	1.168	12.560
1.40	17	1.022	10.990
1.25	18	0.913	9.850
1.12	19	0.818	8.792
1.00	20	0.730	7.850
0.90	21	0.657	7.065
0.80	22	0.585	6.280
0.63	24	0.461	4.950
0.50	26	0.365	3.925
0.40	28	0.293	3.140

GALVANISED STEELS

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
16(G) 1.60	1.170	3.835
18(G) 1.20	0.936	3.071
20(G) 0.91	0.750	2.460
22(G) 0.71	0.606	1.988
22(G) 0.63	0.490	1.608
26(G) 0.50	0.396	1.299
28(G) 0.40	0.324	1.063
30(G) 0.31	0.266	0.873

UN-EQUAL ANGLES

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
45 x 30 x 5	0.853	2.800
45 x 30 x 6	1.061	3.300
75 x 50 x 6	1.717	5.600
75 x 50 x 8	2.255	7.400
90 x 60 x 6	2.073	6.800
90 x 60 x 8	2.713	8.900
90 x 60 x 10	3.353	11.00
100 x 75 x 6	2.438	8.000
100 x 75 x 8	3.200	10.500
100 x 75 x 10	3.962	13.000
125 x 75 x 8	3.688	12.100
125 x 75 x 8	4.541	14.900
150 x 75 x 8	4.176	13.700
150 x 75 x 10	5.151	16.900
150 x 75 x 12	6.126	20.100
150 x 115 x 10	6.096	20.000
150 x 115 x 12	7.254	23.800

M. S. RAILS

Size Lbs	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
30	4.535	14.880
50	7.560	24.800
60	9.070	29.760
90	13.600	44.610
105	15.880	52.090

M. S. CHEQUERED PLATE

Size in mm	Weight in kgs. Sq. Feet	Weight in kgs. Sq. Mtr.
4	3.100	34.000
5	3.900	42.000
6	4.750	50.000

M. S. GATE CHANNEL

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
Coolcollapse Gate 41 x 31	0.180	0.590
	1.456	4.790

M. S. WINDOW SECTION

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
"Z (F-7)	0.450	1.476
4B	0.750	2.461
3/4" T		
Angle	0.275	0.902
1" T Angle	0.350	1.148
1 1/2" T		
Angle	1.100	3.610
2" T Angle	1.450	4.760
2 1/2" T		
Angle	2.100	6.900
3" Angle	2.800	9.200

M. S. TOR STEELS

Size in mm	Weight in kgs. Per Feet	Weight in kgs. Per Mtr.
6 (R)	0.067	0.220
8	0.120	0.395
10	0.188	0.617
12	0.270	0.885
16	0.480	1.578
20	0.751	2.466
25	1.174	3.852
32	1.925	6.313

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