

## Weights of steel

### Based on 721.86kgs per cubic foot of steel

#### ROUND BAR

Dia mm	Dia imp	Dia inch	kg/m	Dia mm	Dia imp	Dia inch	kg/m	Dia mm	Dia imp	Dia inch	kg/m	Dia mm	Dia imp	Dia inch	kg/m
1		0.0394	0.006	12.7	1/2"	0.3030	0.994	31.75	1.1/4"	1.2500	6.215	56		2.2047	19.321
1.5		0.0591	0.013	13		0.5118	1.042	32		1.2598	6.308	57.15	2.1/4"	2.2500	20.136
1.59	1/16"	0.0625		14		0.5512	1.207	33		1.2992	6.709	58		2.2835	20.726
2		0.0787	0.025	14.29	9/16"	0.5625	1.259	34		1.3386	7.122	60		2.3622	22.180
2.5		0.0984	0.039	15		0.5906	1.387	34.93	1.3/8"	1.3750	7.520	62		2.4409	23.683
3		0.1181	0.055	15.88	5/8"	0.6250	1.554	35		1.3780	7.548	63		2.4803	24.454
3.18	1/8"	0.1250		16		0.6299	1.577	36		1.4173	7.984	63.5	2.1/2"	2.5000	24.859
3.5		0.1378	0.076	17		0.6693	1.780	37		1.4567	8.435	64		2.5197	25.235
4		0.1575	0.098	17.46	11/16"	0.6875	1.880	38		1.4961	8.896	65		2.5591	26.031
4.5		0.1772	0.125	18		0.7087	1.996	38.1	1.1/2"	1.5000	8.949	69.85	2.3/4"	2.7500	30.079
4.76	3/16"	0.1875	0.140	19		0.7480	2.225	39		1.5354	9.371	70		2.7559	30.189
5		0.1969	0.155	19.05	3/4"	0.7500	2.237	40		1.5748	9.858	75		2.9528	34.656
5.5		0.2165	0.186	20		0.7874	2.464	41		1.6142	10.356	76.2	3"	3.0000	35.797
6		0.2362	0.222	20.64	13/16"	0.8125	2.626	42		1.6535	10.868	80		3.1496	39.430
6.35	1/4"	0.2500	0.249	21		0.8268	2.717	43		1.6929	11.392	85		3.3465	44.514
6.5		0.2559	0.260	22		0.8661	2.982	44		1.7323	11.928	88.9	3.1/2"	3.5000	48.723
7		0.2756	0.302	22.23	7/8"	0.8750	3.045	44.45	1.3/4"	1.7500	12.181	90		3.5433	49.904
7.5		0.2953	0.347	23		0.9055	3.259	45		1.7717	12.477	95		3.7402	55.604
7.94	5/16"	0.3125	0.388	23.81	15/16"	0.9375	3.496	46		1.8110	13.036	100		3.9370	61.610
8		0.3150	0.394	24		0.9449	3.549	47		1.8504	13.609	101.6	4"	4.0000	63.639
8.5		0.3346	0.445	25		0.9843	3.851	48		1.8898	14.196	105		4.1339	67.926
9		0.3543	0.499	25.4	1"	1.0000	3.977	49		1.9291	14.792	110		4.3307	74.548
9.5		0.3740	0.555	26		1.0236	4.165	50		1.9685	15.402	114.3	4.1/2"	4.5000	80.543
9.53	3/8"	0.3750	0.559	27		1.0630	4.491	50.8	2"	2.0000	15.910	115		4.5276	81.480
10		0.3937	0.616	28		1.1024	4.831	51		2.0079	16.025	120		4.7244	88.718
11		0.4331	0.746	28.57	1.1/8"	1.1250	5.034	52		2.0472	16.660	125		4.9213	96.266
11.11	7/16"	0.4375	0.761	29		1.1417	5.182	53		2.0866	17.306	127	5"	5.0000	99.435
12		0.4724	0.887	30		1.1811	5.545	54		2.1260	17.965				
12.5		0.4921	0.963	31		1.2205	5.921	55		2.1654	18.638				

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## Weights of steel

### Based on 721.86kgs per cubic foot of steel

#### HEXAGON BAR

A/F mm	A/F Imp	A/F inch	kg/m	A/F mm	A/F Imp	A/F inch	kg/m	A/F mm	A/F Imp	A/F inch	kg/m	A/F mm	A/F Imp	A/F inch	kg/m
2		0.0787	0.027	15		0.5906	1.53	29		1.1417	5.719	46		1.811	14.391
2.5		0.0984	0.043	15.875	5/8"	0.625	1.73	30		1.1811	6.121	47		1.8504	15.023
3		0.1181	0.061	16		0.6299	1.741	30.48		1.2	6.36	47.244		1.86	15.3
3.5		0.1378	0.083	17		0.6693	1.966	31		1.2205	6.536	48		1.8898	15.669
4		0.1575	0.109	17.463	11/16"		2.073	31.75	1 1/4"	1.25	6.9	49		1.9291	16.33
4.5		0.1772	0.138	18		0.7087	2.204	32		1.2598	6.965	50		1.9685	17.002
4.763	3/16"	3/16"	0.154	19		0.748	2.455	33		1.2992	7.407	50.8	2"	2	17.543
5		0.1969	0.17	19.05	3/4"	0.75	2.48	33.02		1.3	7.46	52		2.0472	18.389
5.5		0.2165	0.205	20		0.7874	2.72	33.38	1 5/16"	1 5/16	7.555	54		2.126	19.831
5.556			0.21	20.6248	13/16"	0.812	2.91	34		1.3386	7.862	55		2.1654	20.572
6		0.2362	0.246	20.828		0.82	2.97	34.925	1 3/8"	1.375	8.35	55.88		2.2	21.4
7		0.2756	0.333	21		0.8268	2.999	35		1.378	8.331	56		2.2047	21.328
7.9375	5/16"	0.3125	0.43	22		0.8661	3.292	36		1.4173	8.814	56.388		2.22	21.8
7.938			0.428	22.225	7/8"	0.875	3.38	37		1.4567	9.31	58		2.2835	22.878
8		0.315	0.435	23		0.9055	3.598	37.592		1.48	9.67	60		2.3622	24.483
8.2296		0.324	0.46	23.368		0.92	3.74	38		1.4961	9.82	60.325	2 3/8"	2.375	24.9
9		0.3543	0.551	23.8125	15/16"	0.9375	3.88	38.1	1 1/2"	1.5	9.93	63.5	2 1/2"	2.5	27.6
9.525	3/8"	0.375	0.62	24		0.9449	3.917	39		1.5354	10.344	65		2.5591	28.733
10		0.3937	0.68	25		0.9843	4.25	40		1.5748	10.881	70		2.7559	33.324
11		0.4331	0.823	25.4	1"	1	4.386	41		1.6142	11.432	75		2.9528	38.255
11.0998	7/16"	0.437	0.84	25.654		1.01	4.5	42		1.6535	11.996	80		3.1496	43.526
12		0.4724	0.979	26		1.0236	4.597	42.418		1.67	12.3	85		3.3464	49.136
12.7	1/2"	0.5	1.096	27		1.063	4.959	43		1.6929	12.575	90		3.5433	55.092
13		0.5118	1.149	27.94		1.1	5.35	44		1.7323	13.167	100		3.937	68.009
14		0.5512	1.333	28		1.1024	5.332	44.45	1 3/4"	1.75	13.5				
14.2748	9/16"	0.562	1.39	28.575	1 1/8"	1.125	5.59	45		1.7717	13.771				

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## Weights of steel

### Based on 721.86kgs per cubic foot of steel

#### SQUARE BAR

A/F mm	A/F Imp	A/F inch	kg/m	A/F mm	A/F Imp	A/F inch	kg/m	A/F mm	A/F Imp	A/F inch	kg/m
2.00		0.0787	0.031	20.00		0.7874	3.137	45.00		1.7717	15.882
2.50		0.0984	0.049	21.00		0.8268	3.458	46.00		1.811	16.595
3.00		0.1181	0.070	22.00		0.8661	3.796	47.00		1.8504	17.324
3.50		0.1378	0.097	23.00		0.9055	4.149	48.00		1.8898	18.069
4.00		0.1575	0.125	24.00		0.9449	4.518	49.00		1.9291	18.830
4.50		0.1772	0.159	25.00		0.9843	4.902	50.00		1.9685	19.607
5.00		0.1969	0.196	25.40	1"	1.000	4.862	50.80	2"	2.000	20.239
5.50		0.2165	0.237	26.00		1.0236	5.302	52.00		2.0472	21.206
6.00		0.2362	0.283	27.00		1.063	5.718	54.00		2.126	22.869
6.35	1/4"	0.250	0.315	28.00		1.1024	6.149	55.00		2.1654	23.724
7.00		0.2756	0.384	29.00		1.1417	6.596	56.00		2.2047	24.595
7.94	5/16"	0.313	0.494	30.00		1.1811	7.058	58.00		2.2835	26.382
8.00		0.315	0.502	31.00		1.2205	7.536	60.00		2.3622	28.233
9.00		0.3543	0.635	31.75	1.1/4"	1.250	7.877	63.50	2.1/2"	2.500	31.626
9.53	3/8"	0.375	0.711	32.00		1.2598	8.030	65.00		2.5591	33.135
10.00		0.3937	0.784	33.00		1.2992	8.541	70.00		2.7559	38.429
11.00		0.4331	0.949	34.00		1.3386	9.066	75.00		2.9528	44.115
12.00		0.4724	1.130	35.00		1.378	9.608	76.20	3"	3.000	45.530
12.70	1/2"	0.500	1.265	36.00		1.4173	10.164	80.00		3.1496	50.193
13.00		0.5118	1.326	37.00		1.4567	10.737	88.90	3.1/2"	3.500	61.250
14.00		0.5512	1.537	38.00		1.4961	11.325	90.00		3.5433	63.530
15.00		0.5906	1.765	38.10	1.1/2"	1.500	10.941	100.00		3.937	78.426
15.88	5/8"	0.625	1.976	39.00		1.5354	11.929	101.60	4"	4.000	80.000
16.00		0.6299	2.008	40.00		1.5748	12.548	110.00		4.3307	94.900
17.00		0.6693	2.266	41.00		1.6142	13.184	120.00		4.7244	112.937
18.00		0.7087	2.540	42.00		1.6535	13.834	127.00	5"	5.000	125.000
19.00		0.748	2.830	43.00		1.6929	14.501				
19.05	3/4"	0.750	2.829	44.00		1.7323	15.184				

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