

Cartech.com Tech Center
Approximate Estimated Weights –
Steel Bar per Lineal Foot



Weights are based on 489.6 lbs. per cubic foot of steel.

Size in Inches	Round	Square	Hexagon	Octagon
1/32	.0026	.0033	.0029	.0028
1/16	.0104	.0133	.0115	.0110
1/8	.0417	.0531	.0460	.0440
3/16	.0938	.1195	.1035	.0990
1/4	.1669	.2123	.1840	.1760
5/16	.2608	.3333	.2875	.2751
3/8	.3756	.4782	.4141	.3961
7/16	.5111	.6508	.5636	.5391
1/2	.6676	.8500	.7361	.7042
9/16	.8449	1.076	.9317	.8912
5/8	1.043	1.328	1.150	1.100
11/16	1.262	1.608	1.392	1.331
3/4	1.502	1.913	1.656	1.584
13/16	1.763	2.245	1.944	1.859
7/8	2.044	2.603	2.254	2.157
15/16	2.347	2.989	2.588	2.476
1	2.670	3.400	2.945	2.817
1-1/16	3.014	3.838	3.324	3.180
1-1/8	3.379	4.303	3.727	3.565
1-3/16	3.766	4.795	4.152	3.972
1-1/4	4.173	5.312	4.601	4.401
1-5/16	4.600	5.857	5.072	4.852
1-3/8	5.019	6.428	5.567	5.325
1-7/16	5.518	7.026	6.085	5.820
1-1/2	6.008	7.650	6.625	6.338
1-9/16	6.520	8.301	7.189	6.877
1-5/8	7.051	8.978	7.775	7.438
1-11/16	7.604	9.682	8.385	8.021
1-3/4	8.178	10.41	9.018	8.626
1-13/16	8.773	11.17	9.673	9.253
1-7/8	9.388	11.95	10.35	9.902
1-15/16	10.02	12.76	11.05	10.57
2	10.68	13.60	11.78	11.27
2-1/16	11.36	14.46	12.53	11.98
2-1/8	12.06	15.35	13.30	12.72
2-3/16	12.78	16.27	14.09	13.48
2-1/4	13.52	17.22	14.91	14.26
2-5/16	14.28	18.19	15.75	15.06
2-3/8	15.07	19.18	16.61	15.89
2-7/16	15.86	20.20	17.49	16.73
2-1/2	16.69	21.25	18.40	17.60
2-9/16	17.53	22.33	19.33	18.50
2-5/8	18.40	23.43	20.29	19.41
2-11/16	19.29	24.56	21.27	20.34
2-3/4	20.20	25.71	22.27	21.30

Approximate Estimated Weights – Steel Bar per Lineal Foot (continued)

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2-13/16	21.12	26.90	23.29	22.28
2-7/8	22.07	28.10	24.34	23.28
2-15/16	23.04	29.34	25.41	24.30
3	24.03	30.60	26.50	25.35
3-1/16	25.04	31.89	27.62	26.42
3-1/8	26.08	33.20	28.75	27.51
3-3/16	27.13	34.55	29.92	28.62
3-1/4	28.20	35.92	31.10	29.75
3-5/16	29.30	37.31	32.31	30.91
3-3/8	30.42	38.73	33.54	32.08
3-7/16	31.56	40.18	34.79	33.28
3-1/2	32.71	41.65	36.07	34.50
3-9/16	33.90	43.14	37.37	35.75
3-5/8	35.09	44.68	38.69	37.01
3-11/16	36.31	46.24	40.04	38.30
3-3/4	37.56	47.82	41.41	39.61
3-13/16	38.81	49.42	42.80	40.94
3-7/8	40.10	51.05	44.21	42.29
3-15/16	41.40	52.71	45.65	43.67
4	42.73	54.40	47.11	45.07
4-1/16	44.07	56.11	48.65	46.45
4-1/8	45.44	57.85	50.10	47.93
4-3/16	46.83	59.62	51.60	49.38
4-1/4	48.24	61.41	53.16	50.88
4-5/16	49.66	63.23	54.70	52.34
4-3/8	51.11	65.08	56.36	53.91
4-7/16	52.58	66.95	58.05	55.45
4-1/2	54.07	68.85	59.63	57.04
4-9/16	55.59	70.78	61.29	58.62
4-5/8	57.12	72.73	62.98	60.25
4-11/16	58.67	74.70	64.70	61.83
4-3/4	60.25	76.71	66.44	63.55
4-13/16	61.84	78.74	68.25	65.19
4-7/8	63.46	80.81	70.05	66.92
4-15/16	65.10	82.89	71.81	68.64
5	66.76	85.00	73.61	70.42
5-1/16	68.44	87.14	75.53	72.20
5-1/8	70.14	89.30	77.37	73.93
5-3/16	71.86	91.49	79.35	75.79
5-1/4	73.60	93.72	81.16	77.63
5-5/16	75.37	95.96	83.15	79.45
5-3/8	77.15	98.23	85.13	81.40
5-7/16	78.95	100.5	87.14	83.28
5-1/2	80.77	102.8	89.07	85.20
5-9/16	82.62	105.2	91.18	87.15
5-5/8	84.49	107.6	93.24	89.10
5-11/16	86.38	110.0	95.35	91.08
5-3/4	88.29	112.4	97.35	93.13
5-13/16	90.22	114.9	99.58	95.17
5-7/8	92.17	117.4	101.7	96.20

Approximate Estimated Weights – Steel Bar per Lineal Foot (continued)

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5-15/16	94.14	119.9	103.9	99.26
6	96.14	122.4	106.0	101.4
6-1/16	98.14	125.0	108.2	103.4
6-1/8	100.2	127.6	110.4	105.7
6-3/16	102.2	130.2	112.7	107.7
6-1/4	104.3	132.8	115.1	109.9
6-5/16	106.4	135.5	117.3	112.2
6-3/8	108.5	138.2	119.6	114.3
6-7/16	110.7	140.9	122.0	116.7
6-1/2	112.8	143.6	124.4	118.9
6-9/16	114.9	146.5	126.7	121.2
6-5/8	117.2	149.2	129.3	123.5
6-11/16	119.4	152.1	131.8	125.9
6-3/4	121.7	154.9	134.0	128.4
6-13/16	123.9	157.8	136.7	130.6
6-7/8	126.2	160.8	139.1	133.0
6-15/16	128.5	163.6	141.7	135.4
7	130.9	166.6	144.3	138.0
7-1/16	133.2	169.6	146.8	140.4
7-1/8	135.6	172.6	149.4	142.8
7-3/16	137.9	175.6	152.1	145.4
7-1/4	140.4	178.7	154.8	148.0
7-5/16	142.8	181.8	157.5	150.6
7-3/8	145.3	184.9	160.3	153.2
7-7/16	147.7	188.1	162.8	156.7
7-1/2	150.2	191.3	165.6	158.4
7-9/16	152.7	194.4	168.3	160.8
7-5/8	155.2	197.7	171.2	163.0
7-11/16	157.8	200.9	174.1	166.3
7-3/4	160.3	204.2	176.7	168.9
7-13/16	163.0	207.6	179.7	171.8
7-7/8	165.6	210.8	182.6	174.5
7-15/16	168.2	214.2	185.5	177.3
8	171.0	217.6	188.4	180.3
8-1/16	173.6	221.0	191.4	182.9
8-1/8	176.3	224.5	194.5	185.8
8-3/16	179.0	228.0	197.4	188.7
8-1/4	181.8	231.4	200.6	191.7
8-5/16	184.5	234.9	203.5	194.5
8-3/8	187.3	238.5	206.7	197.4
8-7/16	190.1	242.0	209.7	200.5
8-1/2	193.0	245.6	212.7	203.5
8-9/16	195.7	249.3	215.7	206.3
8-5/8	198.7	252.9	219.6	209.4
8-11/16	201.6	256.6	222.3	212.4
8-3/4	204.4	260.3	225.5	215.5
8-13/16	207.4	264.1	228.7	218.7
8-7/8	210.3	267.9	232.0	221.7
8-15/16	213.3	271.6	235.2	224.8

Approximate Estimated Weights – Steel Bar per Lineal Foot (continued)

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9	216.3	275.4	238.5	228.1
9-1/16	219.3	279.3	241.9	231.2
9-1/8	222.4	283.2	245.4	234.6
9-3/16	225.4	287.0	248.6	237.5
9-1/4	228.5	290.9	252.2	240.8
9-5/16	231.5	294.9	255.4	244.0
9-3/8	234.7	298.9	259.0	247.5
9-7/16	237.9	302.8	262.4	250.8
9-1/2	241.0	306.8	265.7	254.2
9-9/16	244.2	310.9	269.4	257.4
9-5/8	247.4	315.0	273.8	260.8
9-11/16	250.6	319.1	276.6	264.2
9-3/4	253.9	323.2	280.1	267.6
9-13/16	257.1	327.4	283.6	271.0
9-7/8	260.4	331.6	287.4	274.6
9-15/16	263.7	335.8	290.8	278.0
10	267.0	340.0	294.4	281.7
10-1/16	270.4	344.3	298.4	285.3
10-1/8	273.8	348.5	302.2	288.8
10-3/16	277.1	352.9	305.6	292.1
10-1/4	280.6	357.2	309.6	296.9
10-5/16	284.0	361.6	313.4	299.4
10-3/8	287.4	366.0	317.0	303.0
10-7/16	290.9	370.4	320.8	306.8
10-1/2	294.4	374.9	325.0	310.5
10-9/16	297.9	379.4	328.6	314.1
10-5/8	301.4	383.8	332.5	316.8
10-11/16	305.0	388.3	336.5	321.6
10-3/4	308.6	392.9	340.5	325.4
10-13/16	312.2	397.5	344.3	329.2
10-7/8	315.8	402.1	348.4	333.0
10-15/16	319.5	406.8	353.5	337.0
11	323.1	411.4	356.3	340.8
11-1/16	326.8	416.1	360.7	344.7
11-1/8	330.5	420.9	364.7	348.5
11-3/16	334.3	425.5	368.8	352.4
11-1/4	337.9	430.3	372.6	356.3
11-5/16	341.7	435.1	376.7	360.2
11-3/8	345.5	439.9	381.2	364.3
11-7/16	349.4	444.8	385.6	368.3
11-1/2	353.1	449.6	389.5	372.2
11-9/16	357.0	454.5	392.8	376.5
11-5/8	360.9	459.5	398.2	380.6
11-11/16	364.8	464.4	402.7	384.7
11-3/4	368.6	469.4	406.6	388.6
11-13/16	372.6	474.4	411.1	392.8
11-7/8	376.6	479.5	415.7	397.2
11-15/16	380.6	484.5	419.5	401.4
12	384.4	489.6	424.0	405.6