



Weights of Steel

NOTE: The steel weights in this section are nominal and are based on an approximate weight of 40.80 pounds per square foot, one inch thick. There may be differences between nominal weights and actual scale weights because of variation in manufacturing practices.

Hot Rolled and Cold Finished Steel Products Nominal Weight

Product	Thickness	Width	Length	Formulas		Thickness	Diameter		
Plates, Strip and Flats	Inches	Inches	Inches	.2833 x T x W x L	Plate Circles	Inches	Inches	.2225 x T x D ²	
	Inches	Inches	Feet	3.4 x T x W x L		Inches	Feet	32.05 x T x D ²	
	Inches	Feet	Feet	40.8 x T x W x L	Sheet Circles	Inches	Inches	.228 x T x D ²	
	USS. Ga No.	Feet	Feet	Wt./Sq. Ft. x W x L		Inches	Feet	32.85 x T x D ²	
	Wt. per Sq. Ft.	Feet	Feet	Wt./Sq. Ft. x W x L		Diameter	Length		
Hot and C.R. Sheets	Inches	Inches	Inches	.2904 x T x W x L	Bars	Square Round Hexagon Octagon	Inches	Feet	3.4 x D ² x L
	Inches	Inches	Feet	3.485 x T x W x L			Inches	Feet	2.67 x D ² x L
	Inches	Feet	Feet	41.82 x T x W x L			Inches	Feet	2.945 x D ² x L
	USS. Ga No.	Feet	Feet	Wt./Sq. Ft. x W x L			Inches	Feet	2.817 x D ² x L
	Wt. per Sq. Ft.	Feet	Feet	Wt./Sq. Ft. x W x L					
					T = thickness L = length W = width D = diameter				

Steel Rounds

Size in Inches	Pounds Per Foot	Size in Inches	Pounds Per Foot
7/8	2.04	2 1/16	23.04
1 1/16	2.35	3	24.03
1	2.67	3 1/16	25.05
1 1/16	3.01	3 1/8	26.08
1 1/8	3.38	3 3/16	27.13
1 1/8	3.77	3 1/4	28.20
1 1/4	4.17	3 3/8	29.30
1 1/8	4.60	3 3/8	30.42
1 1/8	5.05	3 3/8	31.55
1 1/8	5.52	3 1/2	32.71
1 1/2	6.01	3 3/8	33.89
1 1/8	6.52	3 3/8	35.09
1 1/8	7.05	3 1/16	36.31
1 1/16	7.60	3 3/4	37.55
1 3/4	8.18	3 5/16	38.81
1 13/16	8.77	3 3/8	40.10
1 1/8	9.39	3 15/16	41.40
1 1/16	10.02	4	42.73
2	10.68	4 1/16	44.07
2 1/16	11.36	4 1/8	45.44
2 1/8	12.06	4 3/16	46.83
2 3/16	12.78	4 1/4	48.23
2 1/4	13.52	4 3/8	49.66
2 3/8	14.28	4 3/8	51.11
2 3/8	15.06	4 3/8	52.58
2 1/2	15.87	4 1/2	54.08
2 1/2	16.69	4 3/8	55.59
2 3/8	17.53	4 3/8	57.12
2 3/8	18.40	4 1/16	58.68
2 1/16	19.29	4 3/4	60.25
2 3/4	20.19	4 3/16	61.85
2 13/16	21.12	4 3/8	63.46
3 1/8	22.07	4 15/16	65.10

Standard Sheet Weights

Ga. Number	Thickness in Inches	Weight Per Square Foot in Pounds
Over 3/16" are plates		
7	.1793	7.500
8	.1644	6.875
9	.1494	6.250
10	.1345	5.625
11	.1196	5.000
12	.1046	4.375
13	.0897	3.750
14	.0747	3.125
15	.0673	2.812
16	.0598	2.500

Carbon Steel Plates

Size in Inches	Weight Per Square Foot in Pounds
3/16	7.76
1/4	10.20
5/16	12.75
3/8	15.30
7/16	17.85
1/2	20.40
9/16	22.95
5/8	25.50
3/4	30.60
13/16	33.15
7/8	35.70
1	40.80
1 1/16	45.90
1 1/4	51.00
1 1/8	56.10
1 1/2	61.20

NOTE: Stainless Steel Weights approximately 10% more than Carbon Steel.