

## Steel Plate – Weight & size

### Size & weight of steel plates - thickness ranging 3/16 - 10 inches - metric units



Steel plate thickness versus weight:

Nominal Size Thickness (inches)	Weight (lb/ft <sup>2</sup> )
3/16	7.65
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
11/16	28.05
3/4	30.60
13/16	33.15
7/8	35.70
1	40.80
1 1/8	45.90
1 1/4	51.00
1 3/8	56.10
1 1/2	61.20
1 5/8	66.30
1 3/4	71.40
1 7/8	76.50
2	81.60
2 1/8	86.70
2 1/4	91.80
2 1/2	102.00
2 3/4	112.20
3	122.40
3 1/4	132.60

Nominal Size Thickness (inches)	Weight (lb/ft <sup>2</sup> )
3 1/2	142.80
3 3/4	153.00
4	163.20
4 1/4	173.40
4 1/2	183.60
5	204.00
5 1/2	224.40
6	244.80
6 1/2	265.20
7	285.60
7 1/2	306.00
8	326.40
9	367.20
10	408.00

- $1 \text{ lb/ft}^2 = 4.88 \text{ kg/m}^2$

### Hot Rolled Mild Steel Plates - metric units

Weight of hot rolled mild steel plates can be calculated as

$$W = 7.85 t \quad (1)$$

where

$W = \text{weight of steel plate (kg/m}^2\text{)}$

$t = \text{plate thickness (mm)}$

Plate Thickness (mm)	Weight (kg/m <sup>2</sup> )
1.6	12.6
2.0	15.7
2.5	19.6
3	23.6
3.2	25.1
4	31.4
5	39.3
6	47.1
8	62.8
10	78.5
12.5	98.1
15	118
20	157
22.5	177
25	196

<b>Plate Thickness (mm)</b>	<b>Weight (kg/m<sup>2</sup>)</b>
30	236
32	251
35	275
40	314
45	353
50	393
55	432
60	471
65	510
70	550
75	589
80	628
90	707
100	785
110	864
120	942
130	1051
150	1178
160	1256
180	1413
200	1570
250	1963