

Steel plate weight chart

Steel plate weighs 7.85 kg per square metre for every millimetre of thickness, or 40.8 lb per square foot for every inch. Use the steel weight calculator for any size.

Metric plates

Thickness	kg/m ²	1250 × 2500 mm (kg)	1500 × 3000 mm (kg)	2000 × 6000 mm (kg)
2 mm	15.70	49.1	70.6	188.4
3 mm	23.55	73.6	106.0	282.6
4 mm	31.40	98.1	141.3	376.8
5 mm	39.25	122.7	176.6	471.0
6 mm	47.10	147.2	212.0	565.2
8 mm	62.80	196.3	282.6	753.6
10 mm	78.50	245.3	353.3	942.0
12 mm	94.20	294.4	423.9	1,130.4
16 mm	125.60	392.5	565.2	1,507.2
20 mm	157.00	490.6	706.5	1,884.0
25 mm	196.25	613.3	883.1	2,355.0
30 mm	235.50	735.9	1,059.8	2,826.0
40 mm	314.00	981.3	1,413.0	3,768.0
50 mm	392.50	1,226.6	1,766.3	4,710.0

Imperial plates

Thickness	lb/ft ²	4 × 8 ft (lb)	5 × 10 ft (lb)	8 × 20 ft (lb)
1/8 in	5.10	163.4	255.2	816.8
3/16 in	7.66	245.0	382.9	1,225.1
1/4 in	10.21	326.7	510.5	1,633.5
5/16 in	12.76	408.4	638.1	2,041.9
3/8 in	15.31	490.1	765.7	2,450.3
1/2 in	20.42	653.4	1,021.0	3,267.1
5/8 in	25.52	816.8	1,276.2	4,083.8
3/4 in	30.63	980.1	1,531.4	4,900.6
1 in	40.84	1,306.8	2,041.9	6,534.1
1-1/4 in	51.05	1,633.5	2,552.4	8,167.7
1-1/2 in	61.26	1,960.2	3,062.9	9,801.2

Thickness	lb/ft ²	4 × 8 ft (lb)	5 × 10 ft (lb)	8 × 20 ft (lb)
2 in	81.68	2,613.7	4,083.8	13,068.3

Formula

Weight (kg) = thickness (mm) × width (m) × length (m) × 7.85. Weight (lb) = thickness (in) × width (ft) × length (ft) × 40.8.