

Steel Plates - Size & Weight

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 ²) |
|------------------------------------|---------------------------------|
| 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/ft²) |
| 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

$W = 7.85 t$ (1) where

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

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

| Plate Thickness (mm) | Weight (kg/m ²) |
|----------------------|-----------------------------|
| 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 |
| Plate Thickness (mm) | Weight (kg/m²) |
| 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 |