

STEEL WEIGHT FORMULA

Pounds / Foot

Solid Rounds $2.67 \times \text{diameter}^2$

Flats & Squares $3.4 \times \text{width} \times \text{thickness}$

Hexagons $2.94 \times \text{diameter}^2$ (across flats)

Round Tubing $2.67 \times (\text{OD}^2 - \text{ID}^2)$

Square Tubing $3.4 \times (\text{OD}^2 - \text{ID}^2)$

Pounds / Square Foot

Plate $40.8 \times \text{thickness in inches}$

Metal Material Conversions

.342	Aluminum	.223	Magnesium
1.06	Brass	1.11	Nickel
.90	Cast Iron	.94	Tin
1.14	Copper	.92	Zinc