

Measurements & Weights

The following are used to calculate measurements/weights and do not consider manufacturing tolerances.

Always use decimal equivalents when calculating.

- [To calculate pounds per lineal foot of a diameter of a round bar: $\text{Diameter}^2 \times 2.67036$
 - i.e., For a 2" diameter, $(2 \times 2) \times 2.67036 = 10.68$ lbs per foot

- [To calculate pounds per lineal foot of a flat or square bar: $\text{Width} \times \text{Thickness} \times 3.404$
 - i.e., For a 3/4 x 2, $.75 \times 2 \times 3.404 = 5.106$ lbs per foot

- [To calculate the pounds per lineal foot of a hex bar: $(\text{Diameter in inches})^2 \times 2.94$
 - i.e., For a 1-3/4" hex, $1.75 \times 1.75 \times 2.94 = 9$ lbs per foot

- [To find the diagonal measurement (corner to corner) on hex material: $\text{Size in inches} \times 1.1547$
 - i.e., For a 3/4" hex, $.75 \times 1.1547 = .866$ inches diagonally

Metric Conversions

- [To convert from metric to English standard, millimeters divided by 25.4
 - i.e., To convert 10 mm to inches, $10 \text{ divided by } 25.4 = .393$ inches

- [To convert from English standard to metric, inches x 25.4
 - i.e., To convert 1-1/2" to millimeters, $1.5 \times 25.4 = 38.1$ mm