

Conversion Table

Length/Area/Volume

1 mm	= 0.03937 in	1 in (inch)	= 25.4 mm
1 cm	= 0.393701 in	1 in (inch)	= 2.54 cm
1 m	= 3.281 ft	1 ft (foot)	= 0.3048 m
1 cm ²	= 0.1550 in ²	1 in ²	= 6.452 cm ²
1 m ²	= 10.76 ft ²	1 ft ²	= 0.0929 m ²
1 cm ³	= 0.06102 in ³	1 in ³	= 16.390 cm ³
1 m ³	= 35.31 ft ³	1 ft ³	= 0.02832 m ³
1 cm ⁴	= 0.02403 in ⁴	1 in ⁴	= 41.62 cm ⁴

Force/Stress

1 N	= 0.2248 lbf	1 lbf (pound-force)	= 4.448 N
1 N/m	= 0.06852 lbf/ft	1 lbf/ft	= 14.59 N/m
1 N/mm ² = 1 MPa	= 145 lbf/in ²	1 lbf/in ² (psi)	= 0.006895 N/mm ²
1 N/mm ² = 1 MPa	= 0.145 ksi	1 ksi	= 6.895 N/mm ²
1 N/mm ² = 1 MPa	= 0.101972 kg/mm ²	1 kg/mm ²	= 9.8067 N/mm ²
1 N/cm ²	= 1.45 lbf/in ²	1 lbf/in ²	= 0.6895 N/cm ²

Moment

1 N m	= 8.851 lbf - in	1 lbf - in	= 0.113 N m
1 N m	= 0.7376 lbf - ft	1 lbf - ft	= 1.356 N m

Mass

kg	= 2.205 lb	1 lb (pound-mass)	= 0.4536 kg
1 tonne (metric)	= 1.102 short ton (2000lb.)	1 short ton	= 0.9072 tonne (metric)
1 tonne (metric)	= 0.9842 long ton (2240 lb.)	1 long ton	= 1.016 tonne (metric)
1 kg/m	= 0.672 lb/ft	1 lb/ft	= 1.4882 kg/m

Temperature

°C (Celsius)	= (°F - 32)/1.8	°F (Fahrenheit)	= (1.8 x °C) + 32
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Energy

1 J (Joule)	= 0.737562 ft-lbf	1 ft-lbf	= 1.355818 J
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