



## Metric Conversion Tables

To Convert	Into	Multiply By
Bar	Kilograms per centimeter squared (kg/cm <sup>2</sup> )	1.019716213
Degrees Farenheit	Degrees Celsius	$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$
Degrees Celsius	Degrees Farenheit	$^{\circ}\text{F} = (^{\circ}\text{C} \times 9/5) + 32$
Feet (ft.)	Meters (m)	0.3048
Gallons (U.S.)	Liters (l)	3.7853
Inches (in.)	Millimeters (mm)	25.4
Kilograms (kg)	Pounds (lbs.)	2.2046
Kilograms/Meters (kg/m)	Pounds/Feet (lbs./ft.)	0.673
Kilonewtons (kN)	Pounds Force (lbf)	224.80915
Kilonewtons (kN)	U.S. Tons Force	0.1124
Liters (l)	Gallon (gal)	0.2641720
Megapascals (MPa)	Newtons per square millimeter (N/mm <sup>2</sup> )	1.000
Megapascals (MPa)	Pounds per square inch (psi)	145.04
Megapascals (MPa)	Kilograms per square inch (ksi)	0.14504
Meters (m)	Feet (ft.)	3.2808
Meters (m)	Inches (in.)	39.37008
Millimeters (mm)	Inches (in.)	0.03937
Metric Tons	U.S. Tons	1.10231
Metric Tons	Pounds (lb)	2204.62
Metric Tons	Kilograms (kg)	1000
Newtons per square millimeter (N/mm <sup>2</sup> )	Pounds per square inch (psi)	145.04
Newtons per square millimeter (N/mm <sup>2</sup> )	Megapascals (MPa)	1.000
Pounds (lbs.)	Kilograms (kg)	0.4536
Pounds/Feet (lbs./ft.)	Kilograms/Meters (kg/m)	1.4881
Pounds per square inch (psi)	Newtons per square millimeter (N/mm <sup>2</sup> )	0.006895
Pounds per square inch (psi)	Megapascals (MPa)	0.006895
Pounds per square inch (psi)	Kilograms per centimeter squared (kg/cm <sup>2</sup> )	0.07030695796
Square millimeters (mm <sup>2</sup> )	Square Feet (ft. <sup>2</sup> )	0.000010759
Square inches (in. <sup>2</sup> )	Square millimeters (mm <sup>2</sup> )	645.16
Square meters (m <sup>2</sup> )	Square feet (ft. <sup>2</sup> )	10.7639
Square feet (ft. <sup>2</sup> )	Square meters (m <sup>2</sup> )	0.0929
Square inches (in. <sup>2</sup> )	Square meters (m <sup>2</sup> )	0.00064516
U.S. Tons	Metric Tons	.907185
U.S. Tons	Pounds (lbs.)	2000
U.S. Tons Force	Kilonewtons (kN)	8.8964

Equivalent Fraction (in.)	Equivalent Decimal (in.)	Equivalent Metric (mm)
1/32	.0312	.794
1/16	.0625	1.588
3/32	.0938	2.381
1/8	.1250	3.175
5/32	.1562	3.969
3/16	.1875	4.762
7/32	.2188	5.556
1/4	.2500	6.350
9/32	.2812	7.144
5/16	.3125	7.938
11/32	.3438	8.731
3/8	.3750	9.525
13/32	.4062	10.319
7/16	.4375	11.112
15/32	.4688	11.906
1/2	.5000	12.700

Equivalent Fraction (in.)	Equivalent Decimal (in.)	Equivalent Metric (mm)
17/32	.5312	13.494
9/16	.5625	14.288
19/32	.5938	15.081
5/8	.6250	15.875
31/32	.6562	16.669
11/16	.6875	17.462
21/32	.7188	18.256
3/4	.7500	19.050
25/32	.7812	19.844
13/16	.8125	20.638
27/32	.8438	21.431
7/8	.8750	22.225
29/32	.9062	23.019
15/16	.9375	23.812
31/32	.9688	2.606
1	1.0000	25.400