

CONVERSION TABLES

IMPERIAL TO METRIC

METRIC TO IMPERIAL

LENGTH	1 Inch = 25.4 Millimetre 1 Foot = 304.0 Millimetre 1 Yard = 0.9144 Metre 1 Yard = 3 Feet 2 Yards = 1 Fathom 220 Yards = Furlong 5½ Yards = 1 Pole 4 Poles = 1 Chain 10 Chains = 1 Furlong	1 Millimetre = 0.03937 Inch 1 Centimetre = 0.3937 Inch 1 Metre = 3.2808 Feet 1 Metre = 1.09936 Yards 1 Kilometre = 0.6214 Mile 1 Mile = 1.6093 Kilometre 1 Mile = 1760 Yards
WEIGHT	1 Ounce = 28.35 Grammes 1 Pound = 0.4536 Kilogram 1 Ton = 1.01605 Tonnes 1 Ton = 2240 lbs 1 Tonne = 2276 lbs	1 Gramme = 0.035274 oz 1 Kilogram = 2.204621 lbs 1 Tonne = 0.9842 Ton 1 (Pa) Pascal = 1 N/m ²
AREA	1 Inch ² = 645.16 Millimetre ² 1 Foot ² = 0.0929 metre ² 1 Acre = 0.4047 Hectares 1 Acre = 4840 Yard ² 144 Inches ² = 1 Foot ² 30¼ Yards = 1 Square Pole 4 Roods = 1 Acre	1 Millimetre ² = 0.00155 Inch ² 1 Metre ² = 10.765 Foot ² 1 Hectare = 2.471 Acres 1 Mile ² = 258.998 Hectares 9 Foot ² = 1 Yard ² 40 Square Poles = 1 Rood 640 Acres = 1 Square Mile
VOLUME	1 Inch ³ = 16.387 Centimetre ³ 1 Foot ³ = 0.02832 Metre ³ 1 Fluid oz = 28.41 Millilitres 1 Pint = 0.5683 Litre 1 Gallon = 4.5461 Litres 1728 Inches ³ = 1 Foot ³	1 Centimetre ³ = 0.610 Cubic Inches 1 dm ³ = 0.0353 Cubic Feet 1 Metre ³ = 1.3080 Cubic Yards 1 Litre = 1.76 Pints 1 Hectolitre = 21.997 Gallons 27 Feet ³ = 1 Yard ³
VELOCITY	1 Foot/Minute = 5.08 Millimetre/Sec 1 Mile/Hour = 1.609334 Km/Hr	1 Millimetre/Sec = 0.19685 Feet/Min 1 Kilometre/Hour = 0.621371 Miles/Hr
STRESS	1 lbf/in ² = 0.006895 N/m ² 1 tonf/in ² = 15.444 N/m ² 1 Ksi = 6.895 Mpa 1 Mpa = 145 Psi 1 Psc = 0.0069 Mpa	1 N/m ² = 145.038 lbf/in ² 1 N/mm ² = 0.6350 tonf/in ² 1 Kgf/mm ² = 9.807 Mpa 1 Ksi = 1000 Psi
DENSITY	1 lb/ft ³ = 16.085 kg/m ³ 1 lb/gallon = 0.099766 g/cm ³	1 kg/m ³ = 0.062428 lb/ft ³ 1 g/cm ³ = 10.0224 lb/gallon
PRESSURE	1 in H ₂ O = 1.868 mm Hg 1 bar = 0.9869 atm 1 lbf/ft ² = 47.88 N/m ² 1 bar = 14.503 Psi	1 mm Hg = 0.5352 in H ₂ O 1 atm = 1.013 bar 1 N/m ² = 0.02089 lbf/ft ²
FLOW RATES	1 gall/min = 0.2728 m ³ /hour 1 ft ³ /min = 0.4719 litres/min	1 m ³ /hour = 3.666 gallons/min 1 litre/sec = 2.119 ft ³ /minute
ENERGY	1 BTU = 1.0551 kJ 1 Hp/Hr = 0.7457 kw h 1 ft/lbf = 0.3238 calories	1 kJ = 0.9478 BTU 1 kw h = 1.3410 Hp 1 Cal = 3.0880 ft lb
FORCE	1 lb f = 4.448 N 1 ton f = 9.964 kN	1 N = 0.2248 lb f 1 Kn = 0.1004 ton f

FIGURES SHOWN ABOVE ARE TO BE USED AS A GUIDE ONLY.