

# Miscellaneous Conversion Factors

MULTIPLY	BY	TO OBTAIN	EXAMPLE
Pressure			
Pound/Inch sq (psi)	0.069	Bar	100 PSI by 0.069 = 6.895 bar
Pound/Inch sq (psi)	0.070	Kilogram/centimetre sq	100 PSI by 0.070 = 7.031 Kg/cm
Pound/Inch sq (psi)	6.895	kilopascal (Kpa)	100 PSI BY 6.895 = 689.476 Kpa
Pound/Inch sq (psi)	0.007	Megapascal (Mpa)	100 PSI by 0.00689 = 0.689 Mpa
Velocity			
Inch/min	25.4	Millimetre/min	10 Inch/min by 25.4 = 254 mm/min
Foot/min	0.305	Metre/min	10 Foot/min by 0.3048 = 3.048 Metres/min
Mile/Hour	1.609	Kilometre/hr	10 MPH by 1.609 = 16.093 km/hr
Gallons/min U.K.	4.546	Litre/min	10 GPM (U.K.) by 4.546 = 45.460 L/min
Gallons/min U.S.	3.785	Litre/min	10 GPM (U.S.) by 3.785 = 37.854 L/min
Linear			
Inch (ins)	25.4	Millimetre (mm)	1 5/16 ins to 1.3125 ins by 25.4 = 33.334 mm
Foot(ft)	0.305	Metre (M)	3 ft 6 ins to 3.5 ft by 0.305 = 1.07 metres
Area			
Square Inch	645.16	Square Millimetre	10 sq ins by 645.16 = 6,4516 sq mm
Square Foot	0.093	Square Metre	10 sq ft by 0.093 = 0.93 sq m
Volume			
Gallons U.K.	277.42	Cubic Inches	10 U.K. gals by 277.42 = 2,774.2 cu in
Gallons U.S.	231.000	Cubic Inches	10 U.S. gals by 231 = 2,310 cu in
Cubic Inches	16.387	Cubic Centimetres	54.5 cu ins by 16.387 = 893.095 cu in
Cubic Inches	0.016	Litre	1,000 cu ins by 0.016 = 16,387 Litres
Gallons U.K.	4.546	Litre	10 U.K. gals by 4.546 = 45.461 Litres
Gallons U.S.	3.785	Litre	10 U.S. gals by 3.785 = 37.854 Litres
Mass & Density			
Pound (avoirdupois)	0.454	Kilogram	10 pounds by 0.454 = 4.536 kg
Ton (long 2,240 lb)	1.016	Tonne	10 ton by 1.016 = 10.016 tonnes
Ton (short 2,000 lb)	0.907	Tonne	10 ton by 0.907 = 9.072 tonnes
Ton (metric)	1.000	Tonne	10 ton by 1.0 = 10.0 tonnes
Force			
Kilogram-force	9.80665	Newton (N)	10 kilogram-force by 9.80665 = 98.0665 N
Torque			
Pound -Inch	0.113	Newton-Metre (Nm)	10 pound-in by 0.113 = 1.130 Nm
Pound-Foot	1.356	Newton-Metre (Nm)	10 pound-ft by 1.356 = 13.559 Nm
Power			
Horsepower (hp)	0.746	kilowatt (kW)	10 hp by 0.746 = 7.457 kW
Temperature			
Degrees Fahrenheit	(°F-32)/1.8	Degrees Celsius	(100 °F-32) divide by 1.8 = 37.778°C
Degrees Celsius	1.8 °C + 32	Degrees Fahrenheit	(1.8 by 100 °C) plus 32 = 212 °F