

CONVERSION FACTORS

FROM	FACTOR	TO	EXAMPLE			
			EXAMPLE VALUE	FACTOR	FINAL VALUE	
Pressure						
Pound/Square Inch (PSI)	0.069	BAR	100 PSI	x	0.069	= 6.895 BAR
Pound/Square Inch (PSI)	0.070	Kilogram/square centimeter (cm ²)	100 PSI	x	0.070	= 7.031 Kg/cm ²
Pound/Square Inch (PSI)	6.895	Kilopascal (Kpa)	100 PSI	x	6.895	= 689.476 Kpa
Pound/Square Inch (PSI)	0.00689	Megapascal (Mpa)	100 PSI	x	0.00689	= 0.689 Mpa
Velocity						
Inch/min (IPM)	25.4	Millimetre/min (mm/min)	10 Inch/min	x	25.4	= 254 mm/min
Foot/min (FPM)	0.305	Metre/min (m/min)	10 FPM	x	0.3048	= 3.048 m/min
Mile/hour (MPH)	1.609	Kilometre/hour (km/hr)	10 MPH	x	1.609	= 16.093 km/h
Gallons/min U.K. (GPM)	4.546	Litre/min (L/min)	10 GPM (U.K.)	x	4.546	= 45.460 L/min
Gallons/min U.S. (GPM)	3.785	Litre/min (L/min)	10 GPM (U.S.)	x	3.785	= 37.854 L/min
Linear						
Inch (in) use decimal	25.4	Millimetre (mm)	1.3125 in	x	25.4	= 33.334 mm
Foot (ft)	0.305	Metre (m)	3.5 ft	x	0.305	= 1.07 m
Area						
Square Inch (in ²)	645.16	Square Millimetre (mm ²)	10 in ²	x	645.16	= 6,4516 mm ²
Square Foot (ft ²)	0.093	Square Metre (m ²)	10 ft ²	x	0.093	= 0.93 m ²
Volume						
Gallons U.K. (gal)	277.42	Cubic Inches (in ³)	10 gal (UK)	x	277.42	= 2,774.2 in ³
Gallons U.S. (gal)	231.000	Cubic Inches (in ³)	10 gal (US)	x	231	= 2,310 in ³
Cubic Inches (in ³)	16.387	Cubic Centimetres (cm ³)	54.5 in ³	x	16.387	= 893.095 in ³
Cubic Inches (in ³)	0.016	Litre (L)	1,000 in ³	x	0.016	= 16,387 L
Gallons U.K. (gal)	4.546	Litre (L)	10 gal (UK)	x	4.546	= 45.461 L
Gallons U.S. (gal)	3.785	Litre (L)	10 gal (US)	x	3.785	= 37.854 L
Mass & Density						
Pound (avoirdupois)	0.454	Kilogram (kg)	10 pounds	x	0.454	= 4.536 kg
Ton (Long 2,240 lb)	1.016	Tonne (t)	10 ton	x	1.016	= 10.016 t
Ton (short 2,000 lb)	0.907	Tonne (t)	10 ton	x	0.907	= 9.072 t
Ton (metric)	1.000	Tonne (t)	10 ton	x	1.0	= 10.0 t
Force						
Kilogram-force (kgf)	9.80665	Newton (N)	10 kgf	x	9.80665	= 98.0665 N
Torque						
Pound-Inch (in-lbs)	0.113	Newton-Metre (Nm)	10 in-lbs	x	0.113	= 1.130 Nm
Pound-Foot (lb-ft)	1.356	Newton-Metre (Nm)	10 lb-ft	x	1.356	= 13.559 Nm
Power						
Horsepower (hp)	0.746	Kilowatt (kW)	10 hp	x	0.746	= 7.457 kW
Temperature						
Degrees Fahrenheit (°F)	(°F - 32) / 1.8	Degrees Celsius	(100°F - 32)	/	1.8	= 37.778 °C
Degrees Celsius (°C)	(°C x 1.8) + 32	Degrees Fahrenheit	(100°C x 1.8)	+	32	= 212 °F