

Common Conversion Tables

Length

		To Obtain				
		Inch	micron	mm	cm	meter
Multiply	inch	by 1	2.5400E+04	25.4000	2.5400	2.5400E-02
	micron	by 3.9370E-05	1	1.0000E-03	1.0000E-04	1.000E-06
	mm	by 3.9370E-02	1.0000E+03	1	1.0000E-01	1.000E-03
	cm	by 3.9370E-01	1.0000E+04	10.0000	1	1.0000E-02
	meter	by 39.3700	1.0000E+06	1.0000E+03	1.0000E+02	1

Pressure

		To Obtain						
		bar	pascal	Mpascal	torr	psi	inches mercury 0°C	inches water 4°C
Multiply	bar	by 1	1.0000E+05	1.0000E-01	7.5006E+02	14.5040	29.5300	4.0146E+02
	pascal	by 1.0000E-05	1	1.0000E-06	7.5006E-03	1.4504E-04	2.9530E-04	4.0146E-03
	Mpascal	by 10.0000	1.0000E+06	1	7.5006E+03	1.4504E+02	2.9530E+02	4.0146E+03
	torr	by 1.3332E-03	1.3332E+02	1.3332E-04	1	1.9337E-02	3.9370E-02	5.3524E-01
	psi	by 6.8948E-02	6.8948E+03	6.8948E-03	51.7150	1	2.0360	27.6800
	inches mercury 0°C	by 3.3863E-02	3.3863E+03	3.3863E-03	25.4000	4.9115E-01	1	13.5950
	inches water 4°C	by 2.4909E-03	2.4909E+02	2.4909E-04	1.8683	3.6127E-02	7.3556E-02	1

Vacuum Leak Rate

		To Obtain			
		torr.l.s ⁻¹	atm.cm ³ .s ⁻¹	mbar.l.s ⁻¹	Pa.m ³ .s ⁻¹
Multiply	torr.l.s ⁻¹	by 1	1.316	1.333	1.333E-01
	atm.cm ³ .s ⁻¹	by 7.600E-01	1	1.013	1.013E-01
	mbar.l.s ⁻¹	by 7.501E-01	9.862E-01	1	1.000E-01
	Pa.m ³ .s ⁻¹	by 7.501	9.869	10.000	1

Mass

		To Obtain		
		Kgf	N	lbf
Multiply	Kgf	by 1	9.8067	2.2046
	N	by 1.0197E-01	1	2.2481E-01
	lbf	by 4.5359E-01	4.4482	1

Torque

		To Obtain		
		lb.in	Kg.m	N.m
Multiply	lb.in	by 1	1.1521E-02	1.1298E-01
	Kg.m	by 86.7962	1	9.8067
	N.m	by 8.8507	1.0197E-01	1

Units of Load/Unit Length

Multiply	by	To Obtain
N.mm ⁻¹	5.71	lb.in ⁻¹
lb.in ⁻¹	1.75E-01	N.mm ⁻¹

Temperature

Fahrenheit	F° = (9/5)C+32
Celsius	C° = 5/9 (F-32)
Kelvin	K = C+273

NOTE: The technical data contained herein is by way of example and should not be relied on for any specific application.