

CONVERSION TABLES

Metric Units		
Length:	Metre	m
Area:	square metre	m ²
Volume:	cubic metre	m ³
Mass:	kilogram	kg
Density:	kilograms per cubic metre	kg/m ³
Force:	newton	N
Pressure, stress:	pascal	Pa (N/m ²)

Conversion Factors		
TO CONVERT	TO	MULTIPLY BY
pounds/foot (lb/ft)	kilograms/metre (kg/m)	1.4882
kilograms/metre (kg/m)	pounds/foot (lb/ft)	0.672
feet (ft)	metres (m)	0.3048
metres (m)	feet (ft)	3.2808
pounds/sq. inch (lbf/in ²)	megapascals (MPa)	0.006895
megapascals (MPa)	pounds/sq. inch (lbf/in ²)	145.04
tons/sq. inch (tonf/in ²)	megapascals (MPa)	15.4443
megapascals (MPa)	tons/sq. inch (tonf/in ²)	0.064749
kilogram/mm ² (kgf/mm ²)	megapascals (MPa)	9.8066
megapascals (MPa)	kilogram/mm ² (kgf/mm ²)	0.10197
Note : lbf/in ² = psi		1000psi = ksi

Outside diameter, inches to millimetres							
in.	mm	in.	mm	in.	mm.	in.	mm
1/8	3.18	2	50.80	6	152.40	11	279.40
3/16	4.76	2 ¼	57.15	6 ¼	158.75	11 ¼	285.75
¼	6.35	2 3/8	60.33	6 ½	165.10	11 ½	295.10
5/16	7.94	2 ½	63.50	6 ¾	171.45	11 ¾	298.45
3/8	9.53	2 5/8	66.68	7	177.80	12	304.80
7 1/16	11.11	2 ¾	69.85	7 ¼	184.15		
½	12.70	2 7/8	73.03	7 ½	190.50		
9/16	14.29	3	76.20	7 ¾	196.85		
5/8	15.88	3 ¼	82.55	8	203.20		
11/16	17.46	3 ½	88.90	8 ¼	209.55		
¾	19.05	3 ¾	95.25	8 ½	215.90		
7/8	22.23	4	101.60	8 ¾	222.25		
1	25.40	4 ¼	107.95	9	228.60		
1 1/8	28.58	4 ½	114.30	9 ¼	234.95		
1 ¼	31.75	4 ¾	120.65	9 ½	241.30		
1 3/8	34.93	5	127.00	9 ¾	247.65		
1 ½	38.10	5 ¼	133.35	10	254.00		
1 5/8	41.28	5 ½	139.70	10 ¼	260.35		
1 ¾	44.45	5 ¾	146.05	10 ½	266.70		
1 7/8	47.63			10 ¾	273.05		