

General conversion

<u>To convert</u>	<u>to</u>	<u>Multiply</u>
<u>from</u>		<u>by</u>

Length

in	mm	25.4
mm	in	0.394
ft	mm	304.8
mm	ft	0.00328
yd	mm	914.4
mm	yd	0.00109
mil	µm	25.4
µm	mil	0.394

Area

in ²	mm ²	645.16
mm ²	in ²	0.00155
in ²	cm ²	6.4616
cm ²	in ²	0.155
ft ²	m ²	0.0929
m ²	ft ²	10.764

Volume

in ³	mm ³	16387.1
mm ³	in ³	0.000061
in ³	cm ³	16.387
cm ³	in ³	0.06102
in ³	1(litre)	0.01639
ft ³	m ³	0.02832
m ³	ft ³	35.31
ft ³	1(litre)	28.316
gallon	1(litre)	4.546

Mass

lb	kg	0.45359
kg	lb	2.2046
Ton (UK)	kg	1016.05
kg	Ton (UK)	0.00098
tonne	kg	1000

Relative Density

Lb/in ³	Kg/m ³	27679.9
Kg/m ³	Lb/in ³	0.000036
Lb/in ³	g/cm ³	27.68
g/cm ³	Lb/in ³	0.0361

Force

lbf	N	4.448
N	lbf	0.224
Ton f	kN	9.964
kN	Tone f	0.1004
kgf	N	9.806

Mass per unit length

Lb/ft	Kg/m	1.488
Kg/m	Lb/ft	0.672

Mass per unit length

Lb/ft ²	Kg/m ²	4.882
Kg/m ²	Lb/ft ²	0.2048

Stress or Pressure

Note: N/mm² = MPa

Lbf/in ²	N/mm ²	0.006894
N/mm ²	Lbf/in ²	145.05
ksi	N/mm ²	6.894
N/mm ²	Ksi	0.145
Tonf/in ²	N/mm ²	15.4441
N/mm ²	Tonf/in ²	0.0647
Lbf/in ²	Kgf/mm ²	0.000703
Kgf/mm ²	Lbf/in ²	1422.47
Kgf/mm ²	N/mm ²	9.806
Bar	N/mm ²	0.1
Bar	Lbf/in ²	14.504

Energy

Ft.lbf	J	1.35
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