

General factors for conversion

General factors for conversion:

From metric to Imperial multiply

Lengths / Lengtematen:

1 inch	=	25,4 mm	=	0,0254 m
1 foot	=	304,8 mm	=	0,3048 m
1 yard	=	914,4 mm	=	0,9144 m
1 mile	=	1609 m	=	1,609 km
1 nautical mile	=	1852 m	=	1,852 km

1 mm	=	0,0394 inch
1 m	=	3,2808 ft
1 m	=	1,0936 yd
1 km	=	0,6215 mile
1 km	=	0,5399 nautical mile

Area / Oppervlakte:

1 in ²	=	6,45 cm ²
1 ft ²	=	0,0929 m ²
1 yd ²	=	0,836 m ²
1 acre	=	4047 m ²
1 sq. mile	=	2,5899 km ²

cm ²	x	0,155	=	in ²
m ²	x	10,764	=	ft ²
m ²	x	1,196	=	yd ²
m ²	x	0,0002471	=	acre
km ²	x	0,386	=	sq mile

Weight / mass – Gewichten / massa:

1 lb	=	0,454 kg
1 cwt	=	50,80 kg
1 (long) ton	=	1016 kg
1 short ton	=	907,2 kg

1 kg	x	2,2046	=	lb
1 kg	x	0,0197	=	cwt
1 kg	x	0,0009842	=	long ton
1 kg	x	0,0011023	=	short ton

Volume / Volume:

1 in ³	=	16,3871 cm ³
1 yd ³	=	0,7646 m ³
1 ft ³	=	0,0283 m ³

cm ³	x	0,06102	=	in ³
m ³	x	35,3147	=	ft ³
m ³	x	1,3079	=	yd ³

Contents / Inhoud:

1 barrel	=	159 litres
1 UK gal	=	4,55 litres
1 US gal	=	3,785 litres

ltr	x	0,0063	=	barrel
ltr	x	0,22	=	UK gal
ltr	x	0,2642	=	US gal

Pressure and stress

	N/m ² =Pa	N/mm ² =MPa	Bar	Atm=kgf/cm ²	kgf/mm ²	lb/in ² (psi)	Ksi
N/m ² = Pa	1	10 ⁻⁶	10 ⁻⁵	10,2 x 10 ⁻⁶	0,102 x 10 ⁻⁶	145,0 x 10 ⁻⁶	0,145
N/mm ² = Mpa	10 ⁶	1	10	10,2	0,102	145,0	0,145 x 10 ⁶
Bar	10 ⁵	0,10	1	1,02	0,0102	14,5	0,145 x 10 ⁵
atm = kgf/cm ²	98070	0,09807	0,9807	1	0,01	14,22	0,01422
kgf/mm ²	9,807x10 ⁶	9,807	98,07	100	1	1422	1,422
lb/in ² (psi)	6895	6895 x 10 ⁻⁶	6895 x 10 ⁻⁵	0,0703	703x 10 ⁻⁶	1	10 ⁻³
KSI	6,895x10 ⁶	6,895	0,6895x10 ⁻⁵	70,3	0,703 x 10 ⁻⁶	1000	1

Energy

	Joule=Nm	Kgf/m	ft/lb	cal
Joule = Nm	1	0,102	0,737	0,239
kgf/m	9,807	1	7,233	2,342
ft/lb	1,356	0,138	1	0,324
cal	4,19	0,427	3,090	1

Sundry conversion factors:

1 km/ltr	=	2,8225 mpg	1 mpg	=	0,3536 km/ltr
1 kg	=	0,1573 stone	1 stone	=	6,3503 kg
1 kg/m	=	0,67197 lb/ft	1 lb/ft	=	1,4882 kg/m