

# Conversion factors

METRIC UNIT		IMPERIAL UNIT	
1 millimeter (mm)	= 0.03937 inches	1 inch (" )	= 25.4 millimeters
1 meter (m)	= 1.09361 yards	1 yard	= 0.9144 meters
1 kilometer (Km)	= 0.62137 miles	1 mile (mi)	= 1.609344 kilometers
1 liter (l)	= 0.21997 gallons (UK)	1 gallon (UK)	= 4.5461 litres
1 liter (l)	= 0.26417 gallons (USA)	1 gallon (USA)	= 3.7854 litres
1 gram (g)	= 0.035274 ounces	1 ounce (oz)	= 28.34952 grams
1 kilogram (Kg)	= 2.205 pounds	1 pound (lb)	= 0.45359 kilograms
1 kilometer per hour (Km/h)	= 0.62137 miles per hour	1 mile per hour (mph)	= 1.609344 kilometers per hour
1 kilopascal (kPa)	= 0.145 pounds per square inch	1 pound per square inch (psi)	= 6.895 kilopascal
1 bar	= 100 kilopascal	1 pound per square inch (psi)	= 0.06895 bar
1 kilowatt (kW)	= 1.34 horsepower	1 horsepower (HP)	= 0.746 kilowatts
1 Newton meter (N.m)	= 0.113 inch pound	1 inch pound (in-lb)	= 8.85 inch-pound

## Temperatures

(Fahrenheit - 32) x 0.55 = Celsius	32	40	50	60	70	75	85	95	105	140	175	212	°F
(Celsius x 1.8) + 32 = Fahrenheit	0	5	10	15	2	25	30	35	40	60	80	100	°C

## Speed

Speed code	A1	A2	A3	A4	A6	A8	B	C	D	E	F	J
Km/h	5	10	15	20	30	40	50	60	65	70	80	100
mph	3	6	9	12	19	25	31	37	40	43	50	62

Km/h to mph x 0,62    mph to Km/h x 1,61

## Pressures

kPa (kilopascal)	60	100	120	140	160	180	200	240	280	320	360	400	500
bar = kg/cm <sup>2</sup>	0,6	1,0	1,2	1,4	1,6	1,8	2,0	2,4	2,8	3,2	3,6	4,0	5,0
psi = (pound/square inches)	9	14	17	20	23	26	29	35	41	46	52	58	72

psi to bar x 0,06895    bar to psi x 14.50326    kPa to bar x 100,00    bar to kPa x 0,01    kPa to psi x 7,00    psi to kPa x 0,142