

Common units

Physical quantity	S.I. unit	English unit
Length (l)	US : Meter (m) UK : Metre (m)	Inch (in or ") 1 in = $2.54 \cdot 10^{-2}$ m = 2.54 cm Foot (ft or ') 1 ft = 12 in = 0.305 m Yard (yd) 1 yd = 3 ft = 0.914 m Statute (or land) Mile (mi) 1 mi = 1,609 m = 1.609 km
Area (A)	Square meter (m ²)	Square inch (in ²) 1 in ² = $6.45 \cdot 10^{-4}$ m ² Square foot (ft ²) 1 ft ² = 144 in ²
Volume (V)	Cubic meter (m ³) (Remember : Liter (or litre) (L) $1 L = 10^{-3} m^3 = 1 dm^3$)	Cubic inch (in ³) 1 in ³ = 16.387 mL US Liquid ounce (liq oz) or fluid oz (floo) 1 floz = 29.574 mL US Gallon (gal) 1 gal = 3.795 mL UK fluid ounce (fl.oz) 1 floz = 28.413 mL UK (or Imperial) Gallon (UKgal) 1 UKgal = 4.546 mL
Velocity (v)	US : Meter per second (m.s ⁻¹) UK : Metre per second (m.s ⁻¹)	Mile per hour (mph) 1 mph = 0.447 m/s
Angular velocity (ω) Rotational frequency (f)	Radian per second (rad.s ⁻¹) Revolution per minute (rpm) or Round per minute $1 \text{ rpm} = \frac{2\pi}{60} \text{ rad.s}^{-1}$	
Mass (m)	Kilogram (kg)	Pound mass (lbn) 1 lbn = 0.454 kg
Force (F)	Newton (N)	Pound (lb) 1 lb = 4.448 N
Torque (T)	Newton-meter (N.m)	Pound-foot (lb-ft) 1 lb-ft = 1.356 N.m Pound-inch (lb-in) 1 lb-in = 0.113 N.m
Pressure (p)	Pascal (Pa) 1 Pa = 1 N.m ⁻² Bar (bar) 1 bar = 10 ⁵ Pa	Pound-force per square inch (lbf/in ²) Also called : Pound per square inch (psi) 1 psi = $6.895 \cdot 10^3$ Pa
Power (P)	Watt (W)	Horse-power (HP) 1 HP = 745.7 W