

Physical quantity

Unit name	Symbol	SI conversion	Definition
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Length units

inch	in	2,54 cm	[≡ 1/36 yd]
foot	ft	30,48 cm	[≡ 12 in]
yard	yd	0,9144 m	[≡ 3 ft]
mile	mi	1609,34 m	[≡ 5280 ft]
nautic mile	nm; NM	1852 m	[≡ 6080 ft]
league	lea	4828,03 m	[≡ 3 mi]

Area units

are	a	100 m ²	[≡ 100 m ²]
acre	ac	4046,86 m ²	[≡ 4840 sq yd]
hectare	ha	10000 m ²	[≡ 10000 m ²]

Volume units

tablespoon	tbsp	15 mL	[≡ 15 mL]
pint	pt	0,568 L	[≡ 1/8 gal]
gallon	gal	4,546 L	[≡ 4,546 L]

Speed units

mile per hour	mph	0,447 m/s	[≡ 1 mi/h]
knot	kn	0,514 m/s	[≡ 1 NM/h]

Dynamic viscosity units

poise	P	10 ⁻¹ Pa·s	[≡ 1 barye·s]
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Mass units

carat	kt	200 mg	[≡ 200 mg]
ounce (avoirdupois)	oz av	28,35 g	[≡ 1/16 lb]
pound (avoirdupois)	lb av	0,45 kg	[≡ 7000 grains]

Force units

dyne	dyn	10 ⁻⁵ N	[≡ 1 g·cm/s ²]
kilogram-force	kgf; kp	9,81 N	[≡ 1 kg x g]

Pressure units

torr	torr	133,32 Pa	[≡ 101325/760 Pa]
millimeter of mercury	mmHg	133,32 Pa	[≡ ...]
pound per square inch	psi	6,894 x 10 ³ Pa	[≡ 1 lbf/in ²]

Energy units

erg	erg	10 ⁻⁷ J	[≡ 1 g·cm/s ²]
British thermal unit	BTU	1,055 kJ	[≡ ...]
ton of TNT	tTNT	4,184 GJ	[≡ 1 Gcal]

Power units

horsepower	hp	735,5 W	[≡ 75 m·kgf/s]
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Temperature units

kelvin	K	T[K] = T[°C] + 273,15
degree Celsius	°C	T[°C] = T[K] - 273,15
degree Rankine	°R; °Ra	T[°R] = 9/5 x T[K]
degree Fahrenheit	°F	T[°F] = 9/5 x T[°C] + 32

