

(KEY CONCEPT) [A-1-5]

Basic Dimension	Standard SI Unit	Standard US Customary Unit	Non-Standard Unit
Mass (M)	kilograms-mass (kg)	slugs (slug)	pounds-mass (lbm)
Length (L)	meters (m)	feet (ft)	inches (in)
Time (T)	seconds (s)	seconds (s)	
Force (F = MLT ⁻²)	Newtons (N) $N = \text{kg} \cdot \text{m} / \text{s}^2$	pounds-force (lbf) or "lb" $\text{lb} = \text{slug} \cdot \text{ft} / \text{s}^2$	kilograms-force (kgf)
Temperature (θ)	Kelvin (K)	Rankine (°R)	Celsius (°C) Fahrenheit (°F)

$$\begin{aligned} 9.81 \text{ N} &= 1 \text{ kgf} & 1 \text{ slug} &= 32.2 \text{ lbm} \\ K &= ^\circ\text{C} + 273 & ^\circ\text{R} &= ^\circ\text{F} + 460 \\ 1 \text{ ft} &= 12 \text{ in} & 1 \text{ psi (lbf/in}^2\text{)} &= 144 \text{ psf (lbf/ft}^2\text{)} \end{aligned}$$

Lined area for notes, consisting of multiple horizontal dashed lines.