

Units

Ch 6 - Ch 9

w (load) : N (kN)

V (shear) : N (kN)

M (moment) : $N \cdot m$ (kN \cdot m)

σ (stress) : Pa (usually MPa) $\leftarrow 10^6$

I (moment of Inertia) : m^4

τ (shear stress) : Pa (usually MPa)

Q (moment of Area) : m^3

q (shear flow) : N/m (kN/m)

\rightarrow Ksi : Kilopound per Square inch
Ksi is used for σ , τ

\rightarrow psi : pound per Square inch

$$\text{psi} = 10^{-3} \text{ Ksi}$$