
Section	Area A	Second moment I	Section modulus S
Rectangle b × h	bh	$bh^3/12$	$bh^2/6$
Circle diameter d	$\pi d^2/4$	$\pi d^4/64$	$\pi d^3/32$
Hollow circle D, d	$\pi(D^2-d^2)/4$	$\pi(D^4-d^4)/64$	$\pi(D^4-d^4)/(32D)$
Symmetric I (approx.)	$2 \cdot bf \cdot tf + hw \cdot tw$	$bf \cdot h^3/12 - (bf-tw) \cdot hw^3/12$	$I/(h/2)$

Bending stress $\sigma = M/S$.

Notes