

Keresztmetszeti adatok

Keresztmetszet	Felület	Súlypont	Tehetlenségi nyomatékok	Terelőnyomatékok	Keresztmetszeti tényezők
	$A = b \cdot h$	$y_s = \frac{b}{2}$ $z_s = \frac{h}{2}$	$I_Y = \frac{b \cdot h^3}{12}$ $I_u = \frac{b \cdot h^3}{3}$ $I_Z = \frac{b^3 \cdot h}{12}$ $I_v = \frac{b^3 \cdot h}{3}$	$D_{YZ} = 0$ $D_{uv} = \frac{b^2 \cdot h^2}{4}$	$W_Y = \frac{b \cdot h^2}{6}$ $W_Z = \frac{b^2 \cdot h}{6}$
	$A = a^2$	$y_s = \frac{a}{2}$ $z_s = \frac{a}{2}$	$I_u = I_v = \frac{a^4}{3}$ $I_Y = I_Z = \frac{a^4}{12}$	$D_{YZ} = 0$ $D_{uv} = \frac{a^4}{4}$	$W_Y = W_Z = \frac{a^3}{6}$
	$A = a^2$	$e = \frac{a}{\sqrt{2}}$	$I_Y = I_Z = \frac{a^4}{12}$	$D_{YZ} = 0$	$W_Y = W_Z = \frac{a^3}{6 \cdot \sqrt{2}}$
	$A = \frac{b \cdot h}{2}$	$y_s = \frac{b}{3}$ $z_s = \frac{h}{3}$	$I_Y = \frac{b \cdot h^3}{36}$ $I_u = \frac{b \cdot h^3}{12}$ $I_{u1} = \frac{b \cdot h^3}{4}$ $I_Z = \frac{b^3 \cdot h}{36}$ $I_v = \frac{b^3 \cdot h}{12}$ $I_{v1} = \frac{b^3 \cdot h}{4}$	$D_{YZ} = \frac{b^2 \cdot h^2}{72}$ $D_{uv} = -\frac{b^2 \cdot h^2}{24}$	$W_{Y,min} = \frac{b \cdot h^2}{24}$ $W_{Z,min} = \frac{b^2 \cdot h}{24}$
	$A = r^2 \cdot \pi$	$e = r$	$I_Y = I_Z = \frac{\pi \cdot r^4}{4} = \frac{\pi \cdot d^4}{64}$	$D_{YZ} = 0$	$W_Y = W_Z = \frac{\pi \cdot r^3}{4} = \frac{\pi \cdot d^3}{32}$
	$A = \frac{\pi \cdot r^2}{2}$	$z_s = e_1 = 0,424 \cdot r$ $e_2 = 0,576 \cdot r$	$I_u = \frac{\pi \cdot r^4}{8}$ $I_Y = 0,1098 \cdot r^4$ $I_Z = \frac{\pi \cdot r^4}{8}$	$D_{YZ} = 0$	$W_{Y2} = 0,1908 \cdot r^3$ $W_{Y1} = 0,2587 \cdot r^3$ $W_Z = \frac{\pi \cdot r^3}{8}$
	$A = \frac{\pi \cdot r^2}{4}$	$y_s = z_s = 0,424 \cdot r$ $e_2 = 0,576 \cdot r$	$I_Y = I_Z = 0,0549 \cdot r^4$ $I_u = I_v = \frac{\pi \cdot r^4}{16}$	$D_{YZ} = 0,0165 \cdot r^4$ $D_{uv} = -\frac{r^4}{8}$	$W_{Y2} = 0,0956 \cdot r^3$ $W_{Y1} = 0,1296 \cdot r^3$
	$A = (R-r)^2 \cdot \pi$	$e = R$	$I_Y = I_Z = \frac{\pi \cdot (R^4 - r^4)}{4}$	$D_{YZ} = 0$	$W_Y = W_Z = \frac{\pi \cdot (R^4 - r^4)}{4 \cdot R}$