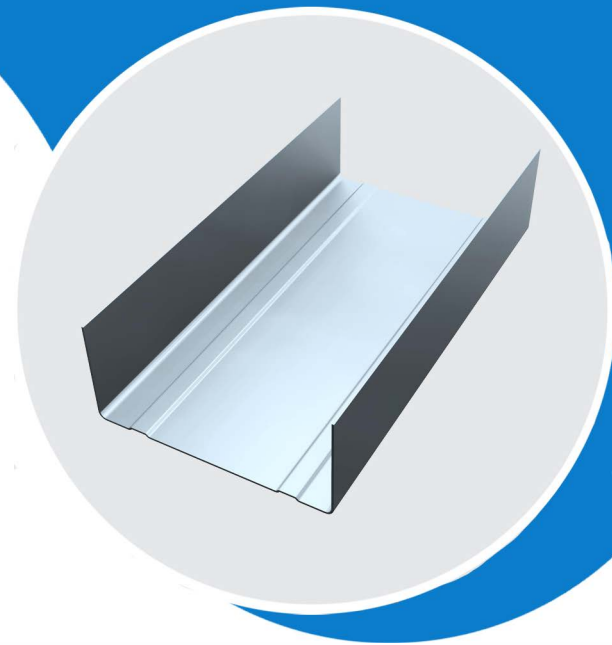


Tracks (T)



MATERIAL	
Web (in)	3½
Flange (in)	1¼
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0451
Minimum Thickness (mil)	43
Gauge	18
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.92
Cross Sectional Area: A (in ²)	0.270
Moment of Inertia: Ix (in ⁴)	0.528
Section Modulus: Sx (in ³)	0.288
Radius of Gyration: Rx (in)	1.398
Moment of Inertia: Iy (in ⁴)	0.038
Radius of Gyration: Ry (in)	0.377

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.490	0.395
Section Modulus: Sxe (in ³)	0.234	0.205
Allowable Bending Moment: Ma (in-k)	4.61	6.13
Allowable Shear Force: Va (lb)	1740	2141
(check web crippling)		

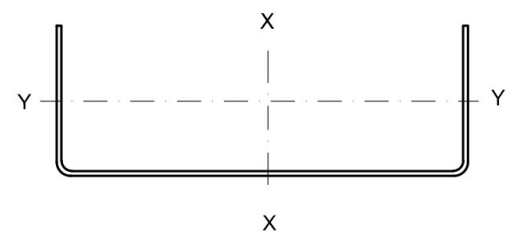
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.183
Torsional Warping Constant: Cw (in ⁶)	0.090
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.663
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.592

PRODUCT ID

350T 125-43 (3½x1¼x18ga)

CODES & STANDARDS

- ASTM A 1003, A 653, & C 955
- AISI S100-16



See Hermes/Hephaistos Technical Manual
for complete design data