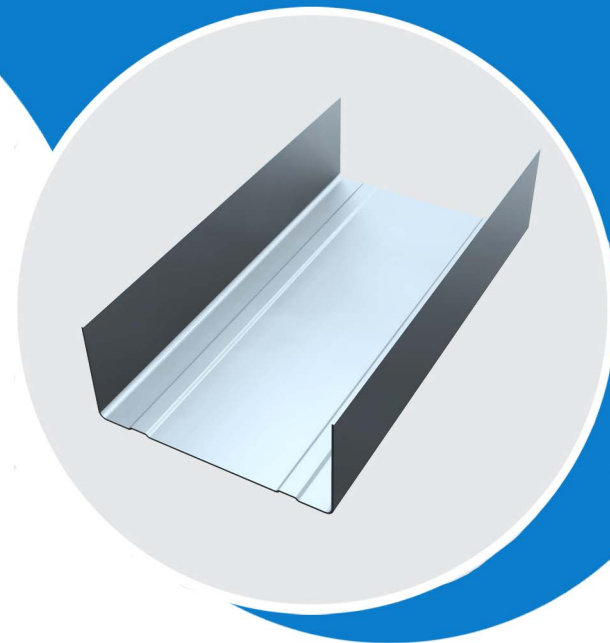


Tracks (T)



MATERIAL	
Web (in)	3½
Flange (in)	1¼
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0713
Minimum Thickness (mil)	68
Gauge	14
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.45
Cross Sectional Area: A (in ²)	0.427
Moment of Inertia: Ix (in ⁴)	0.851
Section Modulus: Sx (in ³)	0.454
Radius of Gyration: Rx (in)	1.412
Moment of Inertia: Iy (in ⁴)	0.059
Radius of Gyration: Ry (in)	0.372

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.851	0.840
Section Modulus: Sxe (in ³)	0.434	0.41
Allowable Bending Moment: Ma (in-k)	8.57	12.22
Allowable Shear Force: Va (lb)	2994	4536
(check web crippling)		

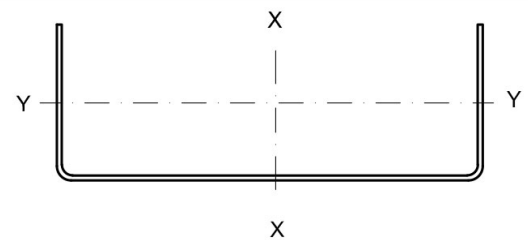
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.723
Torsional Warping Constant: Cw (in ⁶)	0.144
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.650
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.599

PRODUCT ID

350T 125-68 (3½x1¼x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data