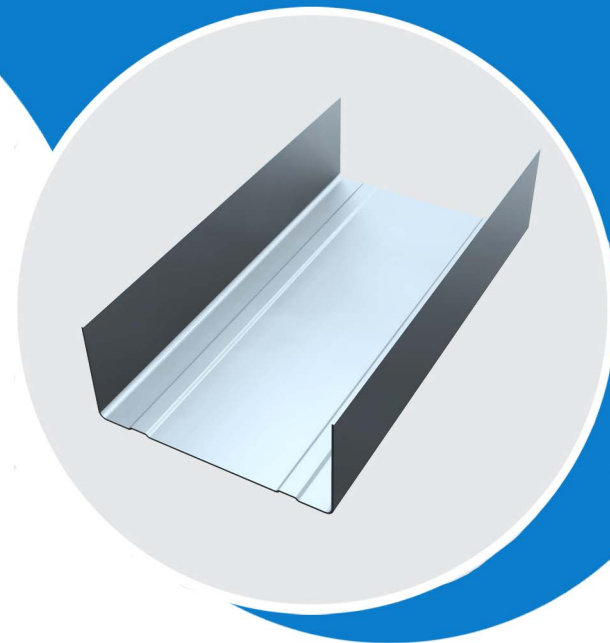


Tracks (T)



MATERIAL	
Web (in)	3½
Flange (in)	1¼
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0566
Minimum Thickness (mil)	54
Gauge	16
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.15
Cross Sectional Area: A (in ²)	0.339
Moment of Inertia: Ix (in ⁴)	0.668
Section Modulus: Sx (in ³)	0.361
Radius of Gyration: Rx (in)	1.404
Moment of Inertia: Iy (in ⁴)	0.048
Radius of Gyration: Ry (in)	0.375

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.652	0.627
Section Modulus: Sxe (in ³)	0.318	0.30
Allowable Bending Moment: Ma (in-k)	6.28	8.92
Allowable Shear Force: Va (lb)	2392	3372
(check web crippling)		

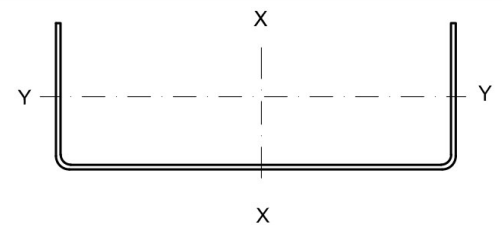
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.362
Torsional Warping Constant: Cw (in ⁶)	0.114
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.658
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.595

PRODUCT ID

350T 125-54 (3½x1¼x16ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data