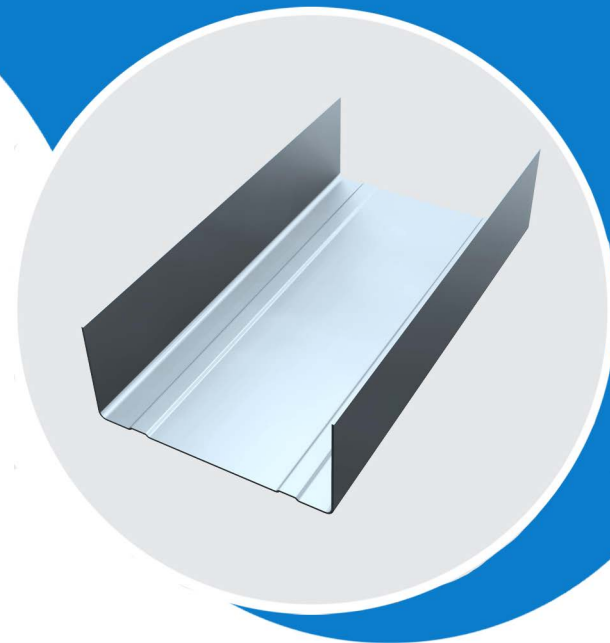


Tracks (T)



MATERIAL	
Web (in)	10
Flange (in)	1½
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.1017
Minimum Thickness (mil)	97
Gauge	12
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	4.49
Cross Sectional Area: A (in ²)	1.320
Moment of Inertia: Ix (in ⁴)	16.420
Section Modulus: Sx (in ³)	3.171
Radius of Gyration: Rx (in)	3.527
Moment of Inertia: Iy (in ⁴)	0.172
Radius of Gyration: Ry (in)	0.361

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	16.416	16.416
Section Modulus: Sxe (in ³)	3.166	2.906
Allowable Bending Moment: Ma (in-k)	62.55	87.00
Allowable Shear Force: Va (lb)	8846	9505
(check web crippling)		

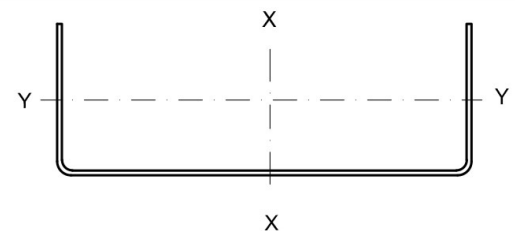
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	4.5504
Torsional Warping Constant: Cw (in ⁶)	3.557
Shear Center to Centroid on Principal X-axis: Xo (in)	-0495
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.580

PRODUCT ID

1000T150-97 (10x1½x12ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data