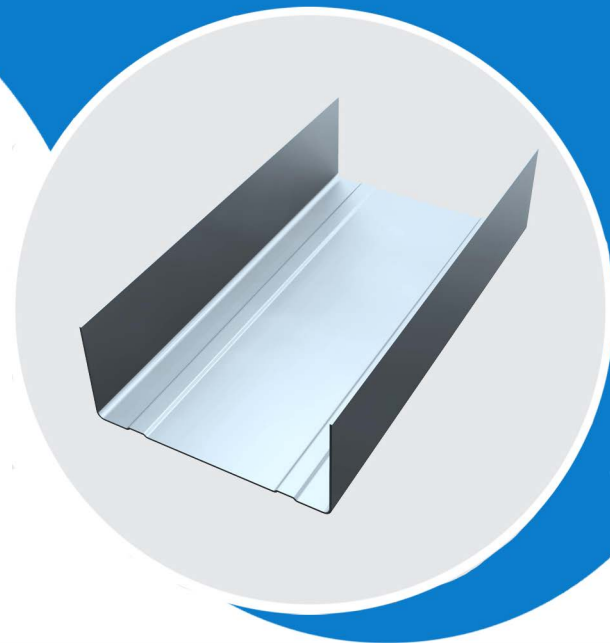


Tracks (T)



MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	1 $\frac{1}{2}$
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)	2.28
Cross Sectional Area: A (in ²)	0.672
Moment of Inertia: Ix (in ⁴)	1.535
Section Modulus: Sx (in ³)	0.771
Radius of Gyration: Rx (in)	1.512
Moment of Inertia: Iy (in ⁴)	0.138
Radius of Gyration: Ry (in)	0.453

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	1.536	1.536
Section Modulus: Sxe (in ³)	0.771	0.736
Allowable Bending Moment: Ma (in-k)	16.41	22.04
Allowable Shear Force: Va (lb)	4370	6622
(check web crippling)		

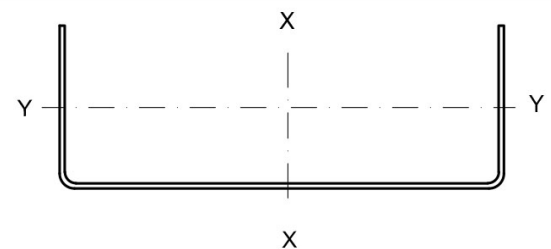
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	2.3152
Torsional Warping Constant: Cw (in ⁶)	0.374
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.82
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.779

PRODUCT ID

362T150-97 (3 $\frac{5}{8}$ x1 $\frac{1}{2}$ x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data