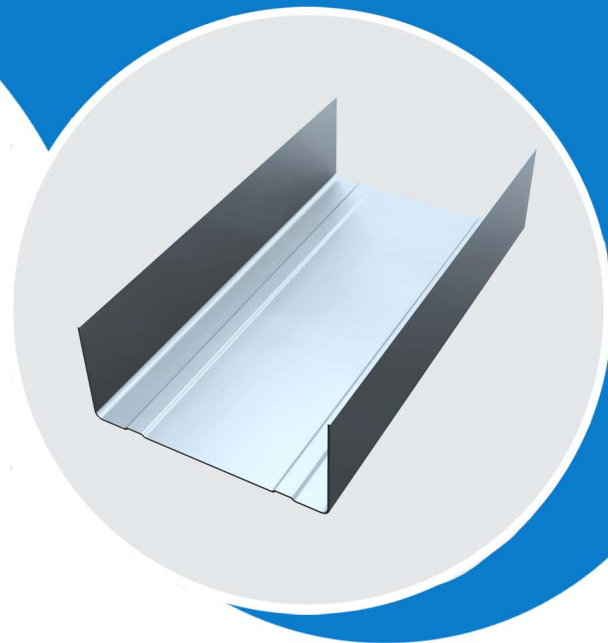


Tracks (T)



MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	1 $\frac{1}{4}$
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)	2.11
Cross Sectional Area: A (in ²)	0.621
Moment of Inertia: Ix (in ⁴)	1.344
Section Modulus: Sx (in ³)	0.675
Radius of Gyration: Rx (in)	1.471
Moment of Inertia: Iy (in ⁴)	0.082
Radius of Gyration: Ry (in)	0.36

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	1.344	1.344
Section Modulus: Sxe (in ³)	0.68	0.75
Allowable Bending Moment: Ma (in-k)	15.25	22.49
Allowable Shear Force: Va (lb)	4370	6622
(check web crippling)		

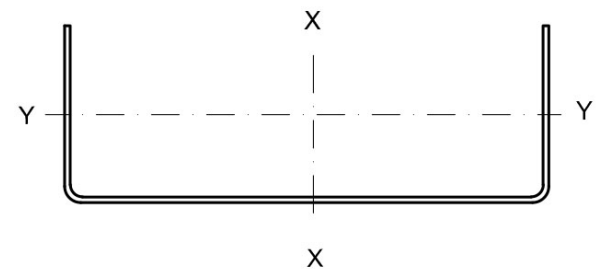
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	2.14
Torsional Warping Constant: Cw (in ⁶)	0.226
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.626
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.64

PRODUCT ID

362T 125-97 (3 $\frac{5}{8}$ x1 $\frac{1}{4}$ x12ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data