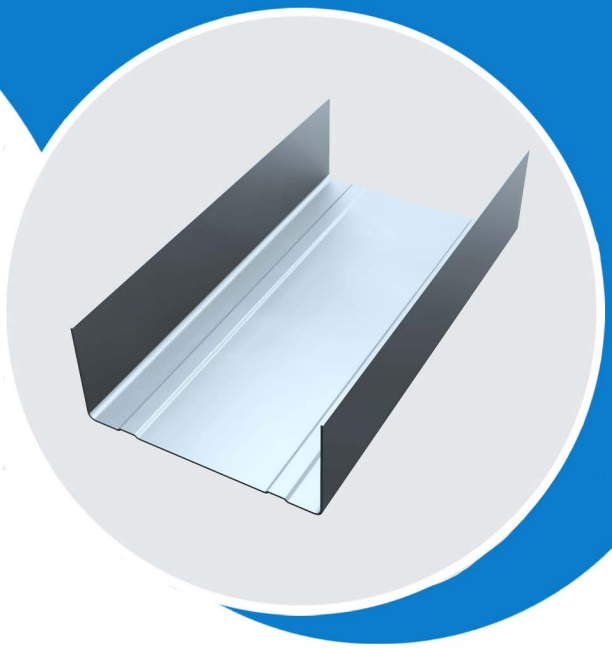
Tracks (T)



MATERIAL	
Web (in)	3⅝
Flange (in)	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)	2.63
Cross Sectional Area: A (in^2)	0.773
Moment of Inertia: Ix (in^4)	1.917
Section Modulus: Sx (in^3)	0.963
Radius of Gyration: Rx (in)	1.575
Moment of Inertia: Iy (in^4)	0.308
Radius of Gyration: Ry (in)	0.632

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in^4)	1.918	1.845
Section Modulus: Sxe (in^3)	0.872	0.81
Allowable Bending Moment: Ma (in-k)	17.23	24.18
Allowable Shear Force: Va (lb)	4370	6622
(check web crippling)		

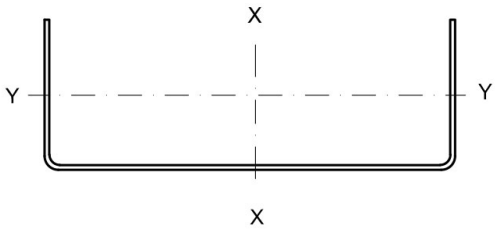
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in^4)	2.6658
Torsional Warping Constant: Cw (in^6)	0.825
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.232
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.097

PRODUCT ID

362T200-97 (3⅝x2x12ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual for complete design data

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