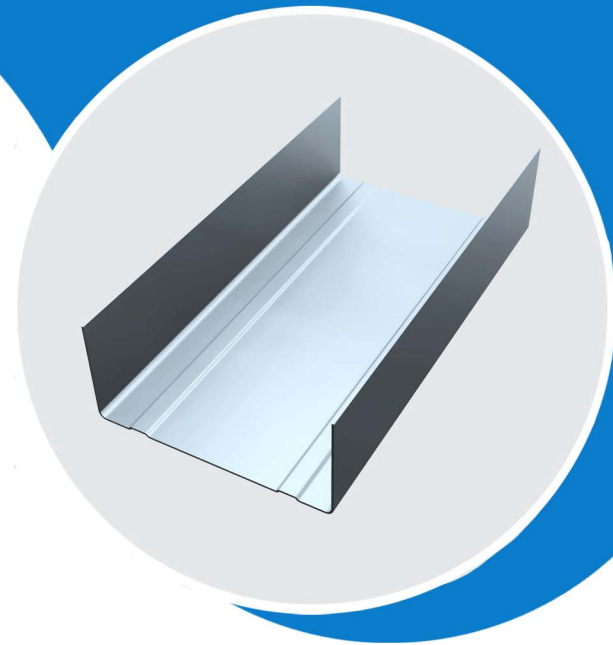


Tracks (T)



MATERIAL	
Web (in)	14
Flange (in)	3
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0713
Minimum Thickness (mil)	68
Gauge	14
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	4.78
Cross Sectional Area: A (in ²)	1.407
Moment of Inertia: Ix (in ⁴)	36.134
Section Modulus: Sx (in ³)	5.162
Radius of Gyration: Rx (in)	5.068
Moment of Inertia: Iy (in ⁴)	0.960
Radius of Gyration: Ry (in)	0.826

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	25.092	22.500
Section Modulus: Sxe (in ³)	2.906	2.477
Allowable Bending Moment: Ma (in-k)	57.42	74.17
Allowable Shear Force: Va (lb)	3656	4324
(check web crippling)		

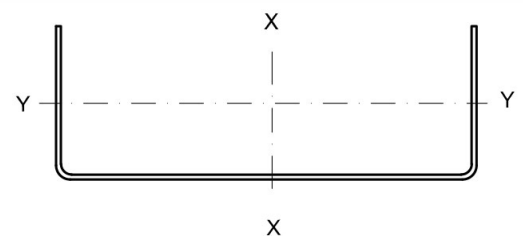
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	2.384
Torsional Warping Constant: Cw (in ⁶)	34.448
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.266
Radius of Gyration on the Centroid Principal axis: Ro (in)	5.293

PRODUCT ID

1400T300-68 (14x3x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data