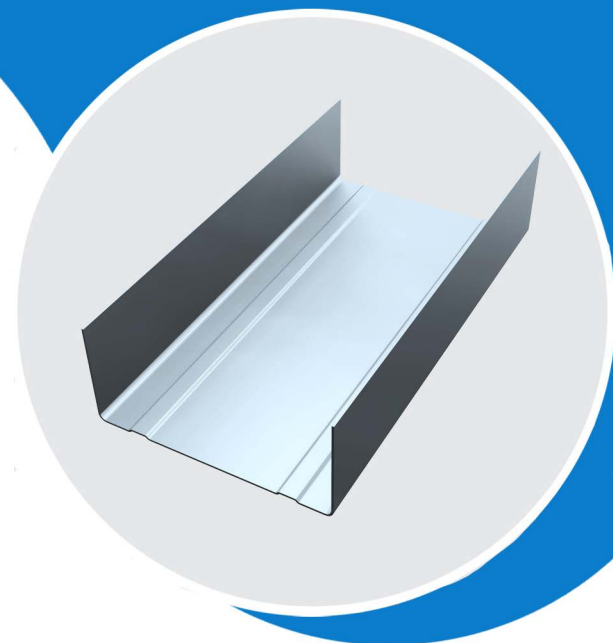


Tracks (T)



MATERIAL	
Web (in)	14
Flange (in)	2
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)	4.36
Cross Sectional Area: A (in ²)	1.282
Moment of Inertia: Ix (in ⁴)	30.583
Section Modulus: Sx (in ³)	4.293
Radius of Gyration: Rx (in)	4.884
Moment of Inertia: Iy (in ⁴)	0.301
Radius of Gyration: Ry (in)	0.485

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	27.708	25.741
Section Modulus: Sxe (in ³)	2.833	2.434
Allowable Bending Moment: Ma (in-k)	55.97	72.87
Allowable Shear Force: Va (lb)	2322	2322
(check web crippling)		

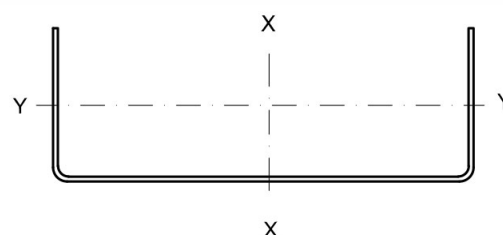
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	2.1729
Torsional Warping Constant: Cw (in ⁶)	11.942
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.661
Radius of Gyration on the Centroid Principal axis: Ro (in)	4.952

PRODUCT ID

1400T200-68 (14x2x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data