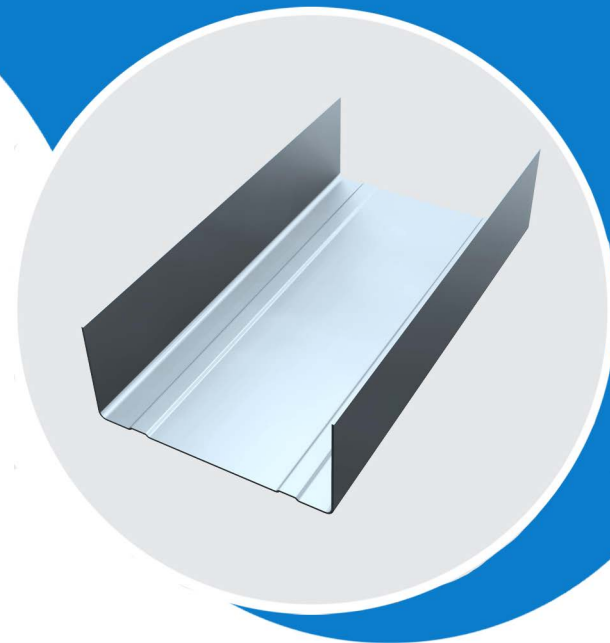


Tracks (T)



MATERIAL	
Web (in)	10
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)	3.39
Cross Sectional Area: A (in ²)	0.997
Moment of Inertia: Ix (in ⁴)	13.296
Section Modulus: Sx (in ³)	2.595
Radius of Gyration: Rx (in)	3.652
Moment of Inertia: Iy (in ⁴)	0.284
Radius of Gyration: Ry (in)	0.534

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	12.556	11.824
Section Modulus: Sxe (in ³)	1.939	1.686
Allowable Bending Moment: Ma (in-k)	38.31	50.48
Allowable Shear Force: Va (lb)	3260	3260
(check web crippling)		

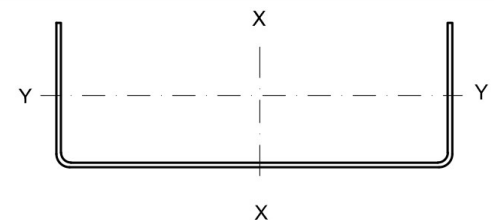
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	1.6896
Torsional Warping Constant: Cw (in ⁶)	5.576
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.803
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.777

PRODUCT ID

1000T200-68 (10x2x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data