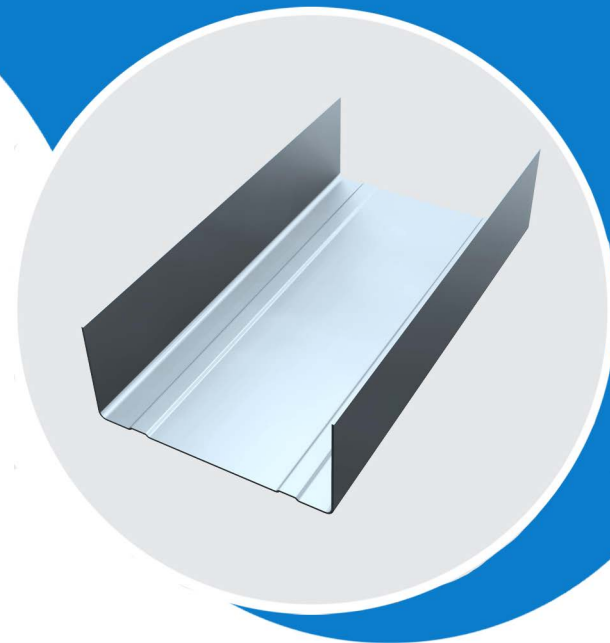


Tracks (T)



MATERIAL	
Web (in)	14
Flange (in)	2
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.1017
Minimum Thickness (mil)	97
Gauge	12
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	6.22
Cross Sectional Area: A (in ²)	1.828
Moment of Inertia: Ix (in ⁴)	43.791
Section Modulus: Sx (in ³)	6.101
Radius of Gyration: Rx (in)	4.894
Moment of Inertia: Iy (in ⁴)	0.420
Radius of Gyration: Ry (in)	0.479

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	43.676	41.762
Section Modulus: Sxe (in ³)	5.179	4.563
Allowable Bending Moment: Ma (in-k)	102.34	136.62
Allowable Shear Force: Va (lb)	6759	6759
(check web crippling)		

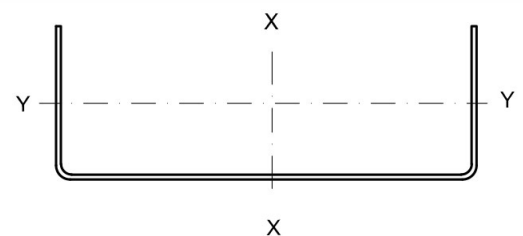
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	6.3035
Torsional Warping Constant: Cw (in ⁶)	16.883
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.651
Radius of Gyration on the Centroid Principal axis: Ro (in)	4.960

PRODUCT ID

1400T200-97 (14x2x12ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data