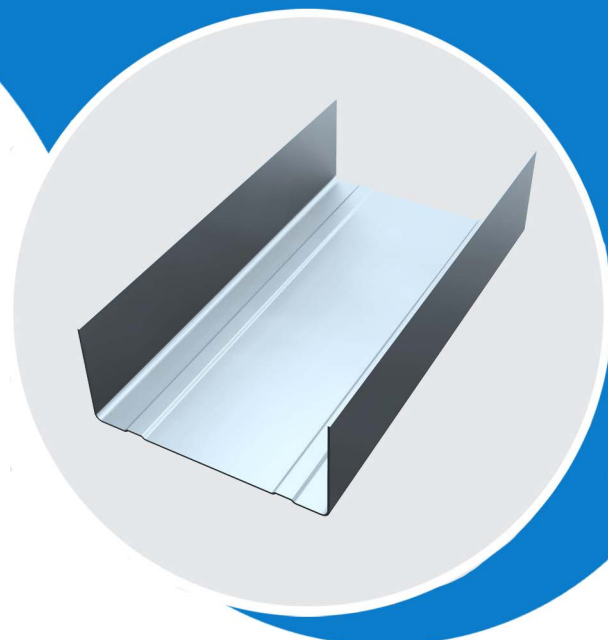


Tracks (T)



MATERIAL	
Web (in)	6
Flange (in)	1¼
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0188
Minimum Thickness (mil)	18
Gauge	25
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.54
Cross Sectional Area: A (in ²)	0.158
Moment of Inertia: Ix (in ⁴)	0.739
Section Modulus: Sx (in ³)	0.246
Radius of Gyration: Rx (in)	2.165
Moment of Inertia: Iy (in ⁴)	0.019
Radius of Gyration: Ry (in)	0.344

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.412	0.367
Section Modulus: Sxe (in ³)	0.101	0.09
Allowable Bending Moment: Ma (in-k)	1.67	2.16
Allowable Shear Force: Va (lb)	82	82
(check web crippling)		

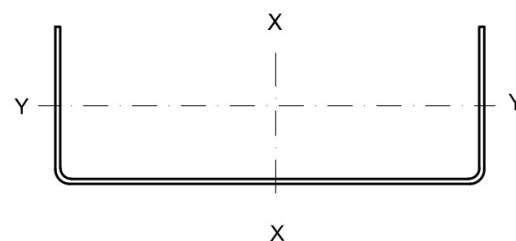
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.019
Torsional Warping Constant: Cw (in ⁶)	0.123
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.534
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.256

PRODUCT ID

600T125-18 (6x1¼x25ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data