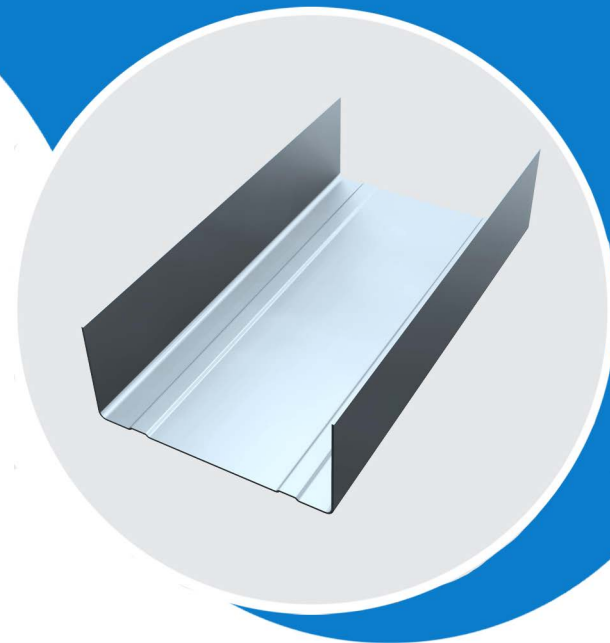


Structural Tracks (T)



MATERIAL	
Web (in)	6
Flange (in)	1¼
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0566
Minimum Thickness (mil)	54
Gauge	16
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.64
Cross Sectional Area: A (in ²)	0.481
Moment of Inertia: Ix (in ⁴)	2.345
Section Modulus: Sx (in ³)	0.757
Radius of Gyration: Rx (in)	2.209
Moment of Inertia: Iy (in ⁴)	0.055
Radius of Gyration: Ry (in)	0.335

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	2.301	2.242
Section Modulus: Sxe (in ³)	0.666	0.593
Allowable Bending Moment: Ma (in-k)	13.17	17.76
Allowable Shear Force: Va (lb)	2728	2728
(check web crippling)		

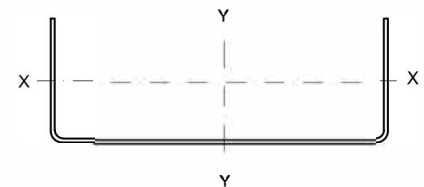
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.513
Torsional Warping Constant: Cw (in ⁶)	0.384
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.508
Radius of Gyration on the Centroid Principal axis Ro: (in)	2.292

PRODUCT ID

600T 125-54 (6Tx1¼x16ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data