

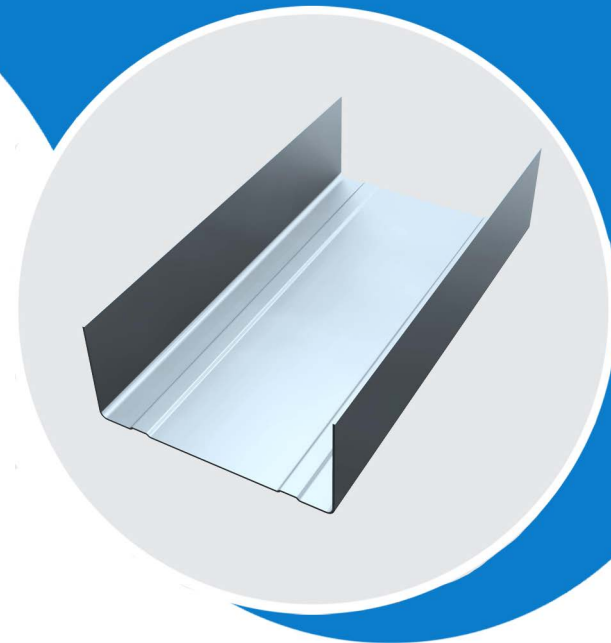
Tracks (T)

MATERIAL	
Web (in)	6
Flange (in)	1½
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)	1.73
Cross Sectional Area: A (in ²)	0.509
Moment of Inertia: Ix (in ⁴)	2.612
Section Modulus: Sx (in ³)	0.843
Radius of Gyration: Rx (in)	2.266
Moment of Inertia: Iy (in ⁴)	0.091
Radius of Gyration: Ry (in)	0.422

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	2.475	2.402
Section Modulus: Sxe (in ³)	0.690	0.610
Allowable Bending Moment: Ma (in-k)	13.64	18.27
Allowable Shear Force: Va (lb)	2728	2728
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.543
Torsional Warping Constant: Cw (in ⁶)	0.632
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.675
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.402

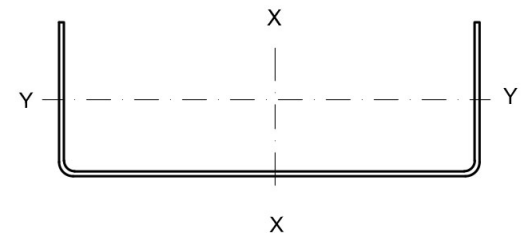


PRODUCT ID

600T150-54 (6x1½x16ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data