

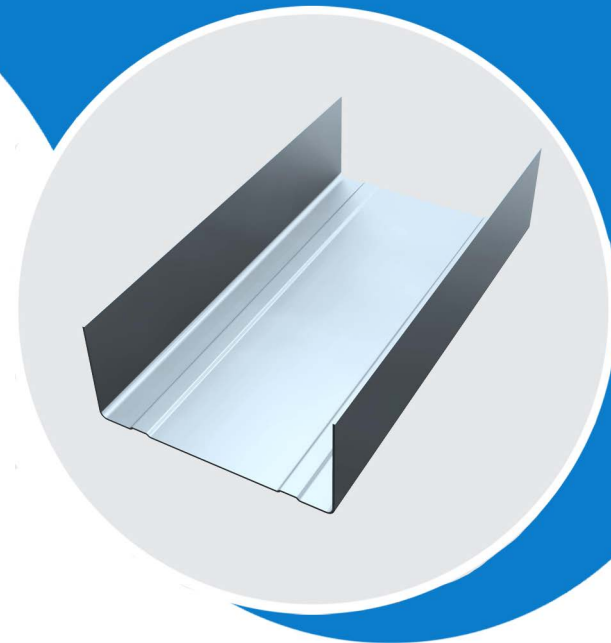
Tracks (T)

MATERIAL	
Web (in)	6
Flange (in)	3
Yield Strength Fy (KSI)	33, 50
Tensile Strength Fu (KSI)	45, 65
Design Thickness (in)	0.0451
Minimum Thickness (mil)	43
Gauge	18
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.81
Cross Sectional Area: A (in ²)	0.534
Moment of Inertia: Ix (in ⁴)	1.047
Section Modulus: Sx (in ³)	1.427
Radius of Gyration: Rx (in)	0.494
Moment of Inertia: Iy (in ⁴)	0.962
Radius of Gyration: Ry (in)	0.602

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	2.028	1.770
Section Modulus: Sxe (in ³)	0.542	0.44
Allowable Bending Moment: Ma (in-k)	8.94	11.07
Allowable Shear Force: Va (lb)	1415	1415
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.362
Torsional Warping Constant: Cw (in ⁶)	3.034
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.877
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.215

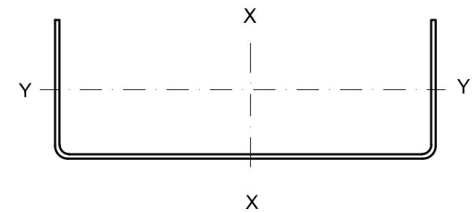


PRODUCT ID

600T300-43 (6x3x18ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data