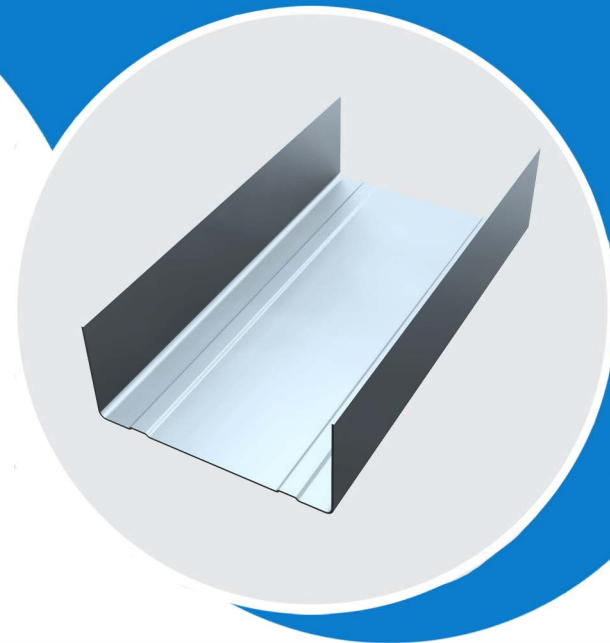


Tracks (T)



MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	1 $\frac{1}{2}$
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)	1.02
Cross Sectional Area: A (in ²)	0.298
Moment of Inertia: Ix (in ⁴)	0.650
Section Modulus: Sx (in ³)	0.344
Radius of Gyration: Rx (in)	1.476
Moment of Inertia: Iy (in ⁴)	0.064
Radius of Gyration: Ry (in)	0.465

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.575	0.461
Section Modulus: Sxe (in ³)	0.256	0.224
Allowable Bending Moment: Ma (in-k)	5.05	6.71
Allowable Shear Force: Va (lb)	1740	2141
(check web crippling)		

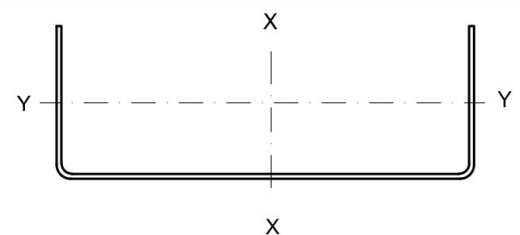
TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.2023
Torsional Warping Constant: Cw (in ⁶)	0.160
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.850
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.766

PRODUCT ID

362T 150-43 (3 $\frac{5}{8}$ x1 $\frac{1}{2}$ x18ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data