

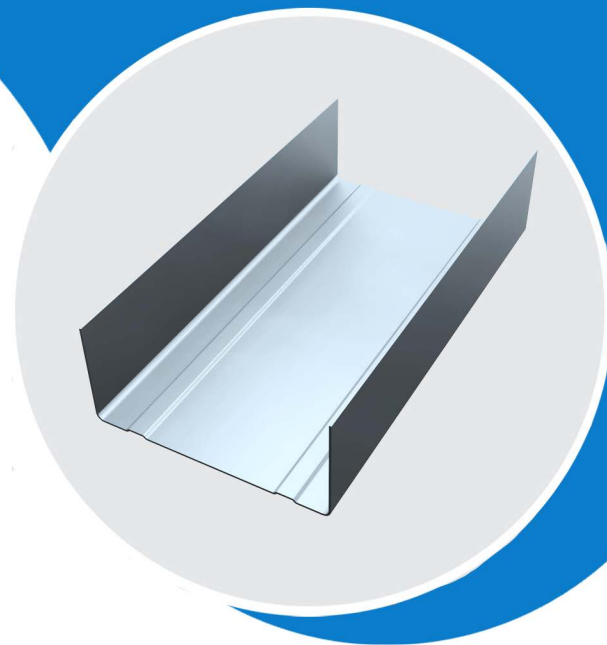
Tracks (T)

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)	0.0713
Minimum Thickness (mil)	68
Gauge	14
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.60
Cross Sectional Area: A (in ²)	0.471
Moment of Inertia: Ix (in ⁴)	1.050
Section Modulus: Sx (in ³)	0.542
Radius of Gyration: Rx (in)	1.493
Moment of Inertia: Iy (in ⁴)	0.100
Radius of Gyration: Ry (in)	0.460

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	1.036	0.995
Section Modulus: Sxe (in ³)	0.482	0.450
Allowable Bending Moment: Ma (in-k)	9.53	13.47
Allowable Shear Force: Va (lb)	3104	47
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.7986
Torsional Warping Constant: Cw (in ⁶)	0.257
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.836
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.771

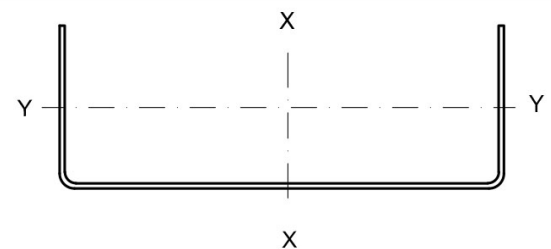


PRODUCT ID

362T150-68 (3 $\frac{5}{8}$ x1 $\frac{1}{2}$ x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data