

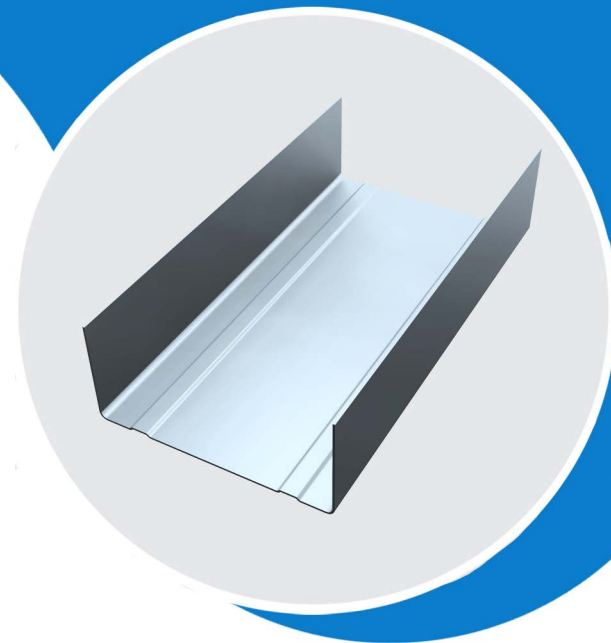
Tracks (T)

MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	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)	1.85
Cross Sectional Area: A (in ²)	0.543
Moment of Inertia: Ix (in ⁴)	1.308
Section Modulus: Sx (in ³)	0.675
Radius of Gyration: Rx (in)	1.552
Moment of Inertia: Iy (in ⁴)	0.221
Radius of Gyration: Ry (in)	0.638

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	1.202	1.141
Section Modulus: Sxe (in ³)	0.521	0.48
Allowable Bending Moment: Ma (in-k)	10.30	14.42
Allowable Shear Force: Va (lb)	3104	4703
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.9194
Torsional Warping Constant: Cw (in ⁶)	0.564
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.250
Radius of Gyration on the Centroid Principal axis: Ro (in)	2.093

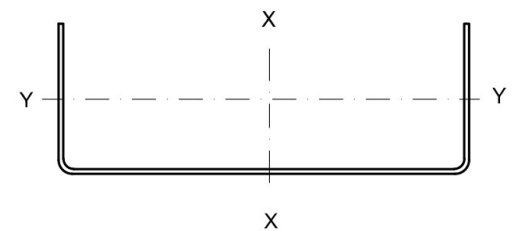


PRODUCT ID

362T200-68 (3 $\frac{5}{8}$ x2x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data