

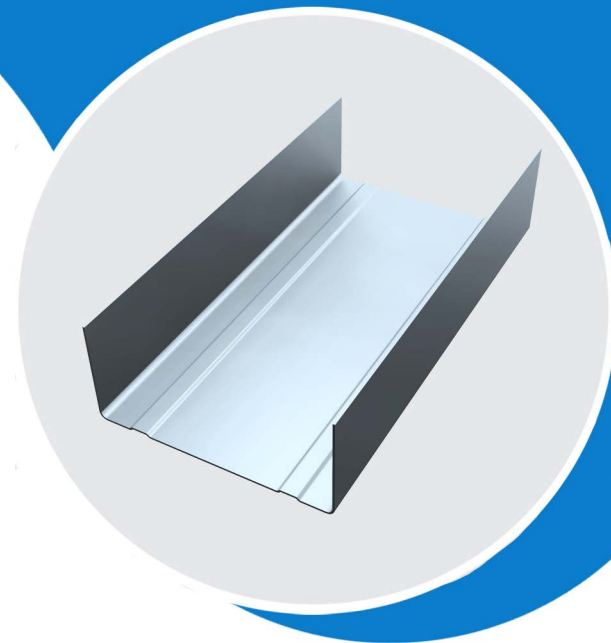
Tracks (T)

MATERIAL	
Web (in)	3 $\frac{5}{8}$
Flange (in)	1 $\frac{1}{4}$
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)	1.48
Cross Sectional Area: A (in ²)	0.436
Moment of Inertia: Ix (in ⁴)	0.921
Section Modulus: Sx (in ³)	0.475
Radius of Gyration: Rx (in)	1.454
Moment of Inertia: Iy (in ⁴)	0.060
Radius of Gyration: Ry (in)	0.370

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.921	0.909
Section Modulus: Sxe (in ³)	0.455	0.43
Allowable Bending Moment: Ma (in-k)	8.98	12.82
Allowable Shear Force: Va (lb)	3104	4703
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.738
Torsional Warping Constant: Cw (in ⁶)	0.156
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.641
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.631

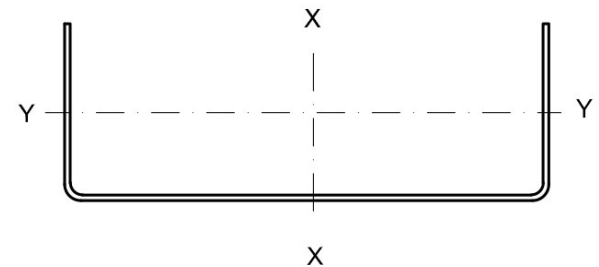


PRODUCT ID

362T 125-68 (3 $\frac{5}{8}$ x1 $\frac{1}{4}$ x14ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data