

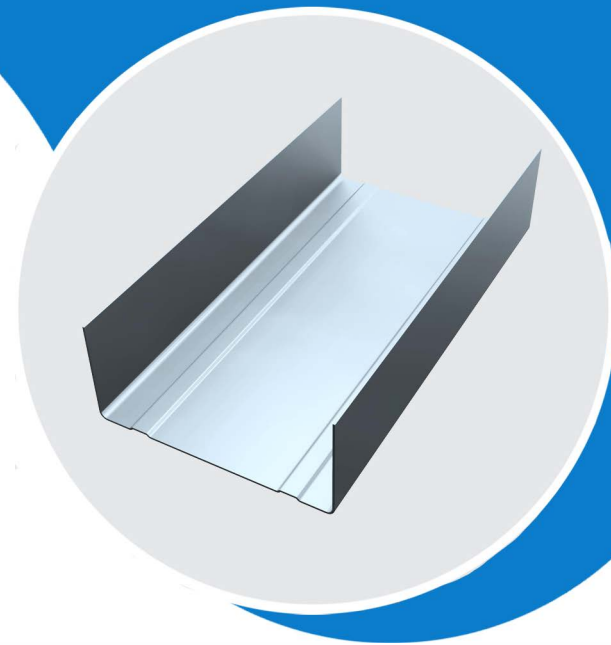
Tracks (T)

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)	0.0451
Minimum Thickness (mil)	43
Gauge	18
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	0.94
Cross Sectional Area: A (in ²)	0.276
Moment of Inertia: Ix (in ⁴)	0.571
Section Modulus: Sx (in ³)	0.302
Radius of Gyration: Rx (in)	1.439
Moment of Inertia: Iy (in ⁴)	0.039
Radius of Gyration: Ry (in)	0.375

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.531	0.43
Section Modulus: Sxe (in ³)	0.245	0.22
Allowable Bending Moment: Ma (in-k)	4.85	6.47
Allowable Shear Force: Va (lb)	1740	2141
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.187
Torsional Warping Constant: Cw (in ⁶)	0.098
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.654
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.625

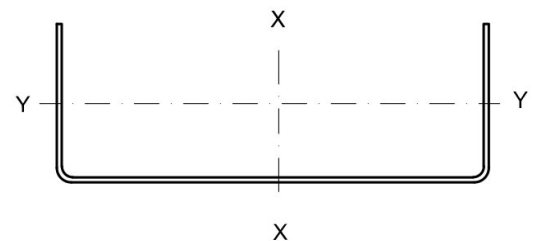


PRODUCT ID

362T 125-43 (3 $\frac{5}{8}$ x1 $\frac{1}{4}$ x18ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data