

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)	0.0566
Minimum Thickness (mil)	54
Gauge	16
Available Finish G60, G90	

GROSS SECTION PROPERTIES	
Weight of Member: (lb/ft)	1.18
Cross Sectional Area: A (in ²)	0.346
Moment of Inertia: Ix (in ⁴)	0.723
Section Modulus: Sx (in ³)	0.378
Radius of Gyration: Rx (in)	1.445
Moment of Inertia: Iy (in ⁴)	0.048
Radius of Gyration: Ry (in)	0.373

EFFECTIVE SECTION PROPERTIES		
Yield Stress (ksi)	33	50
Moment of Inertia-Deflection: Ixe (in ⁴)	0.706	0.679
Section Modulus: Sxe (in ³)	0.333	0.31
Allowable Bending Moment: Ma (in-k)	6.59	9.36
Allowable Shear Force: Va (lb)	2480	3372
(check web crippling)		

TORSIONAL SECTION PROPERTIES	
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.369
Torsional Warping Constant: Cw (in ⁶)	0.123
Shear Center to Centroid on Principal X-axis: Xo (in)	-0.648
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.627

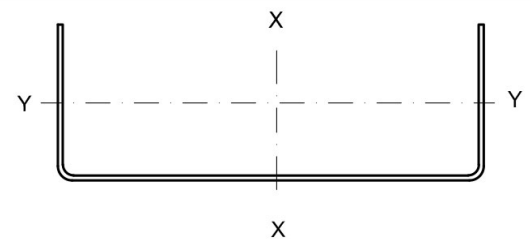


PRODUCT ID

362T 125-54 (3 $\frac{5}{8}$ x1 $\frac{1}{4}$ x16ga)

CODES & STANDARDS

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



See Hermes/Hephaistos Technical Manual
for complete design data