PRODUCT SUBMITTAL SHEET

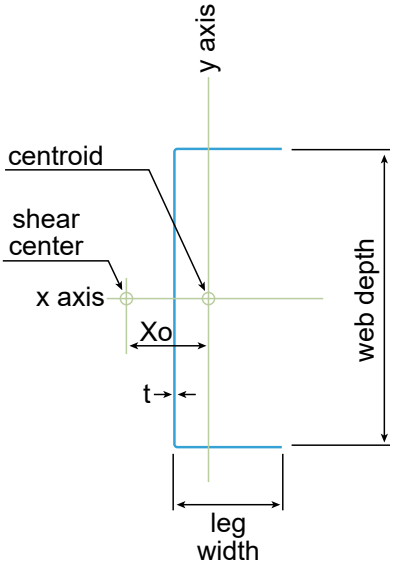
For more information or questions, please contact:
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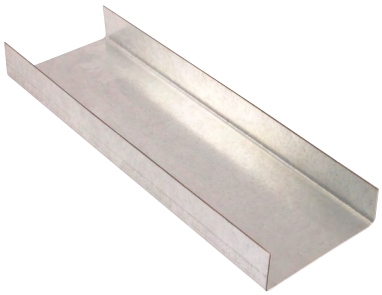
250T125-54 Track

Product Description: 2-1/2" Track 16GA (1-1/4" Leg, 54mil)

Coating: G60 (standard), G90 (special order)

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	50 ksi
Leg Width	1.25 in.	Design Thickness	0.0566 in.
		Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.282
Weight (lb/ft)	Linear weight per foot	0.96
Ix (in^4)	Moment of inertia about the x-axis	0.318
Sx (in^3)	Section modulus about the x-axis	0.236
Rx (in)	Radius of gyration about the x-axis	1.062
Iy (in^4)	Moment of inertia about the y-axis	0.043
Ry (in)	Radius of gyration about the y-axis	0.392
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.297
Sx (in^3)	Effective section modulus (x-axis)	0.189
Ma (in-k)	Allowable bending moment-effective section modulus	5.66
Va_g (lb)	Allowable shear force in web	2563
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.3015
Cw (in^6)	Warping constant	0.054
Xo (in)	Distance from shear center to centroid	-0.749
m (in)	Distance from shear center to mid-plane of web	0.449
Ro (in)	Polar radius of gyration	1.357
Beta	Torsional Flexural Constant	0.696

Codes & Standards:

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
- **Building Codes**
  - International Building Code (IBC) 2006–2024

- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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