PRODUCT SUBMITTAL SHEET

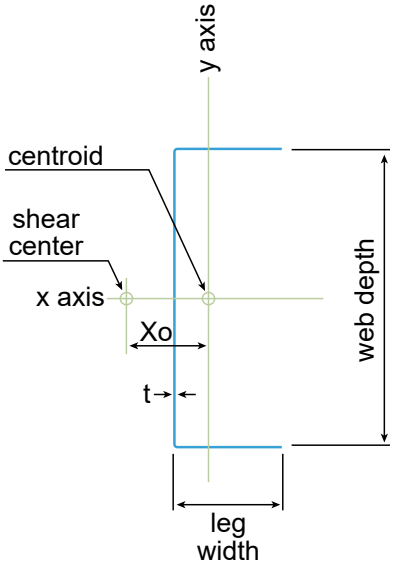
For more information or questions, please contact:
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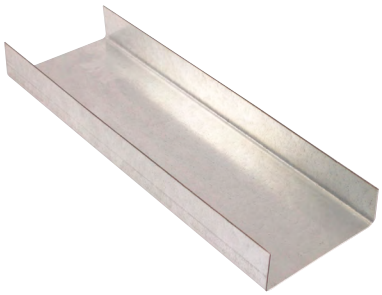
250T150-54 Track

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

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	2.50 in.	Yield Strength, Fy	50 ksi
Leg Width	1.50 in.	Design Thickness	0.0566 in.
		Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.311
Weight (lb/ft)	Linear weight per foot	1.06
Ix (in^4)	Moment of inertia about the x-axis	0.368
Sx (in^3)	Section modulus about the x-axis	0.273
Rx (in)	Radius of gyration about the x-axis	1.088
Iy (in^4)	Moment of inertia about the y-axis	0.072
Ry (in)	Radius of gyration about the y-axis	0.481
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.325
Sx (in^3)	Effective section modulus (x-axis)	0.198
Ma (in-k)	Allowable bending moment-effective section modulus	5.92
Va_g (lb)	Allowable shear force in web	2563
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.3317
Cw (in^6)	Warping constant	0.089
Xo (in)	Distance from shear center to centroid	-0.961
m (in)	Distance from shear center to mid-plane of web	0.566
Ro (in)	Polar radius of gyration	1.530
Beta	Torsional Flexural Constant	0.605

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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