PRODUCT SUBMITTAL SHEET

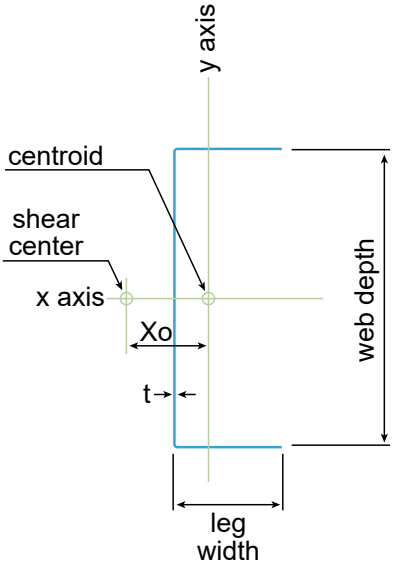
For more information or questions, please contact:
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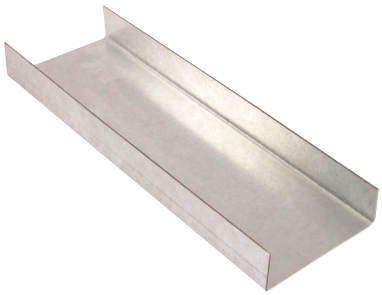
250T150-33 Track

Product Description: 2-1/2" Track STR 20GA (1-1/2" Leg, 33mil)

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	33 ksi
Leg Width	1.50 in.	Design Thickness	0.0346 in.
		Min. Steel Thickness	0.0329 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.190
Weight (lb/ft)	Linear weight per foot	0.65
Ix (in^4)	Moment of inertia about the x-axis	0.221
Sx (in^3)	Section modulus about the x-axis	0.167
Rx (in)	Radius of gyration about the x-axis	1.079
Iy (in^4)	Moment of inertia about the y-axis	0.045
Ry (in)	Radius of gyration about the y-axis	0.485
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.180
Sx (in^3)	Effective section modulus (x-axis)	0.107
Ma (in-k)	Allowable bending moment-effective section modulus	2.11
Va_g (lb)	Allowable shear force in web	1024
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0759
Cw (in^6)	Warping constant	0.054
Xo (in)	Distance from shear center to centroid	-0.973
m (in)	Distance from shear center to mid-plane of web	0.573
Ro (in)	Polar radius of gyration	1.532
Beta	Torsional Flexural Constant	0.596

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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