PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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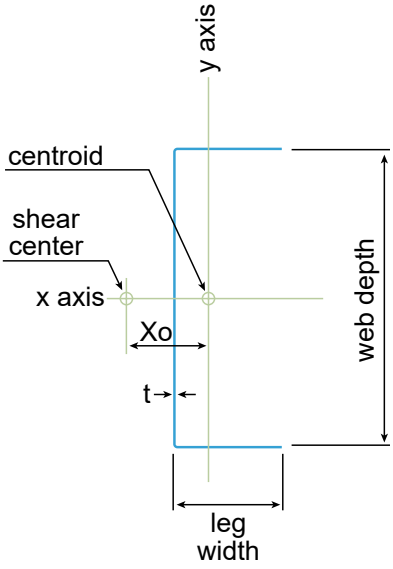
800T250-33[1] Track

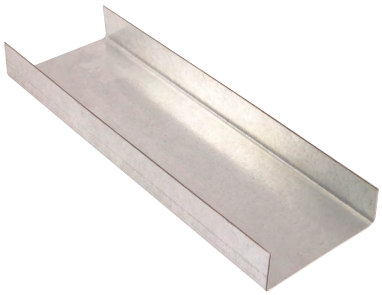
Product Description: 8” Track STR 20GA (2-1/2” Leg, 33 mil)
Coating: G60 (standard), G90 (special order)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	8 in.	Yield Strength, Fy	33 ksi
Leg Width	2.50 in.	Design Thickness	0.0346 in.
		Min. Steel Thickness	0.0329 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.450
Weight (lb/ft)	Linear weight per foot	1.53
Ix (in^4)	Moment of inertia about the x-axis	4.319
Sx (in^3)	Section modulus about the x-axis	1.061
Rx (in)	Radius of gyration about the x-axis	3.099
Iy (in^4)	Moment of inertia about the y-axis	0.252
Ry (in)	Radius of gyration about the y-axis	0.748
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	3.383
Sx (in^3)	Effective section modulus (x-axis)	0.442
Ma (in-k)	Allowable bending moment-effective section modulus	8.74
Va_g (lb)	Allowable shear force in web	465
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.179
Cw (in^6)	Warping constant	2.986
Xo (in)	Distance from shear center to centroid	-1.278
m (in)	Distance from shear center to mid-plane of web	0.804
Ro (in)	Polar radius of gyration	3.435
Beta	Torsional Flexural Constant	0.862

**1 Web-height to thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.*





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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