PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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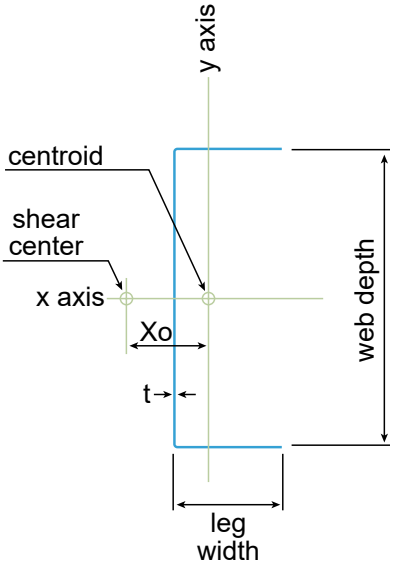
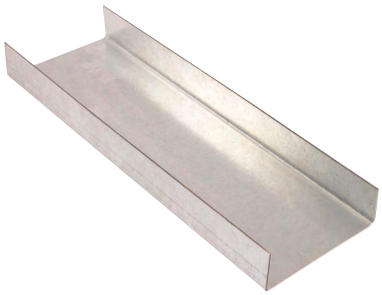
550T125-33 Track

Product Description: 5-1/2" Track STR 20GA (1-1/4" Leg, 33mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	5.5 in.	Yield Strength, Fy	33 ksi
Leg Width	1.25 in.	Design Thickness	0.0346 in.
		Min. Steel Thickness	0.0329 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.277
Weight (lb/ft)	Linear weight per foot	0.94
Ix (in^4)	Moment of inertia about the x-axis	1.159
Sx (in^3)	Section modulus about the x-axis	0.411
Rx (in)	Radius of gyration about the x-axis	2.047
Iy (in^4)	Moment of inertia about the y-axis	0.033
Ry (in)	Radius of gyration about the y-axis	0.346
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	1.029
Sx (in^3)	Effective section modulus (x-axis)	0.270
Ma (in-k)	Allowable bending moment-effective section modulus	5.33
Va_g (lb)	Allowable shear force in web	680
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.1104
Cw (in^6)	Warping constant	0.195
Xo (in)	Distance from shear center to centroid	-0.541
m (in)	Distance from shear center to mid-plane of web	0.350
Ro (in)	Polar radius of gyration	2.145
Beta	Torsional Flexural Constant	0.936

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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