PRODUCT SUBMITTAL SHEET

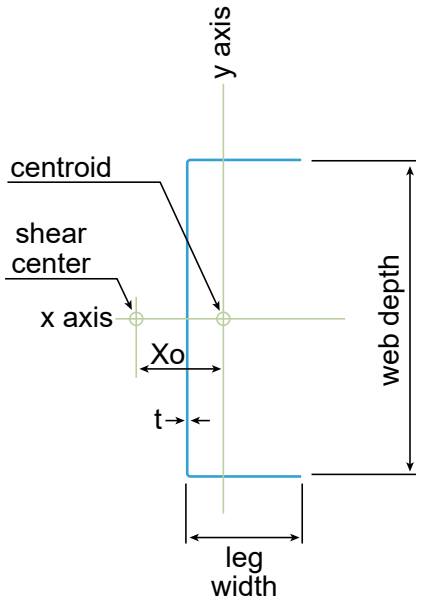
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
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250T125-33 Track

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

Coating: G60 (standard), G90 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)



GEOMETRIC PROPERTIES			
Web Depth	2.5 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 (in^2)	Total cross-sectional steel area	0.173
Weight (lb/ft)	Linear weight per foot	0.59
Ix (in^4)	Moment of inertia about the x-axis	0.192
Sx (in^3)	Section modulus about the x-axis	0.145
Rx (in)	Radius of gyration about the x-axis	1.054
Iy (in^4)	Moment of inertia about the y-axis	0.027
Ry (in)	Radius of gyration about the y-axis	0.397
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.166
Sx (in^3)	Effective section modulus (x-axis)	0.103
Ma (in-k)	Allowable bending moment-effective section modulus	2.04
Va_g (lb)	Allowable shear force in web	1024
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0690
Cw (in^6)	Warping constant	0.033
Xo (in)	Distance from shear center to centroid	-0.760
m (in)	Distance from shear center to mid-plane of web	0.456
Ro (in)	Polar radius of gyration	1.358
Beta	Torsional Flexural Constant	0.687

Codes & Standards:

- **Nonstructural Members**
  - AISI S220
  - ASTM C645
  - ASTM C754
- **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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