PRODUCT SUBMITTAL SHEET

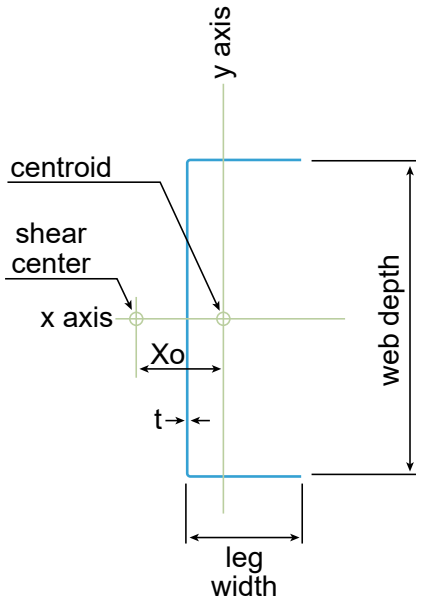
For more information or questions, please contact:
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162T125-33 Track

Product Description: 1-5/8" 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	1.625 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	0.143
Weight (lb/ft)	Linear weight per foot	0.49
Ix (in^4)	Moment of inertia about the x-axis	0.077
Sx (in^3)	Section modulus about the x-axis	0.087
Rx (in)	Radius of gyration about the x-axis	0.736
Iy (in^4)	Moment of inertia about the y-axis	0.024
Ry (in)	Radius of gyration about the y-axis	0.408
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.066
Sx (in^3)	Effective section modulus (x-axis)	0.059
Ma (in-k)	Allowable bending moment-effective section modulus	1.16
Va_g (lb)	Allowable shear force in web	663
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0569
Cw (in^6)	Warping constant	0.013
Xo (in)	Distance from shear center to centroid	-0.868
m (in)	Distance from shear center to mid-plane of web	0.499
Ro (in)	Polar radius of gyration	1.209
Beta	Torsional Flexural Constant	0.484

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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