PRODUCT SUBMITTAL SHEET

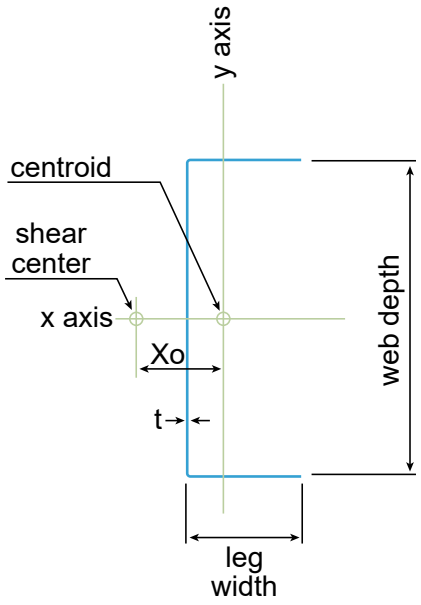
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

400T125-33 Track

Product Description: 4” 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	4 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	0.225
Weight (lb/ft)	Linear weight per foot	0.76
Ix (in^4)	Moment of inertia about the x-axis	0.549
Sx (in^3)	Section modulus about the x-axis	0.265
Rx (in)	Radius of gyration about the x-axis	1.563
Iy (in^4)	Moment of inertia about the y-axis	0.031
Ry (in)	Radius of gyration about the y-axis	0.371
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.484
Sx (in^3)	Effective section modulus (x-axis)	0.201
Ma (in-k)	Allowable bending moment-effective section modulus	3.98
Va_g (lb)	Allowable shear force in web	939
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0897
Cw (in^6)	Warping constant	0.095
Xo (in)	Distance from shear center to centroid	-0.630
m (in)	Distance from shear center to mid-plane of web	0.396
Ro (in)	Polar radius of gyration	1.725
Beta	Torsional Flexural Constant	0.867

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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