PRODUCT SUBMITTAL SHEET

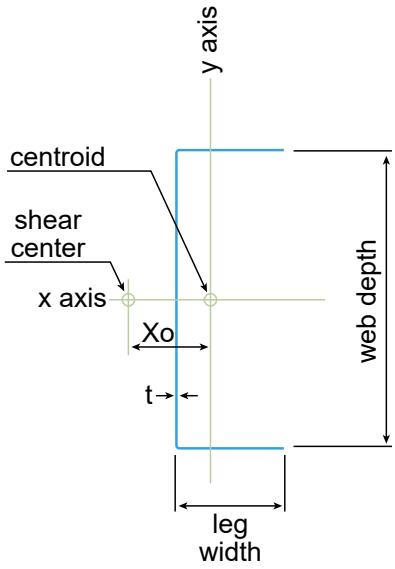
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

250T125-18 Track

Product Line: 250NT125-18 Nitro Track 25GA (18 mil)

Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)



GEOMETRIC PROPERTIES			
Web Depth	2.50 in.	Yield Strength, Fy	33 ksi
Leg Width	1.25 in.	Design Thickness	0.0188 in.
		Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.095
Weight (lb/ft)	Linear weight per foot	0.32
Ix (in⁴)	Moment of inertia about the x-axis	0.1049
Sx (in³)	Section modulus about the x-axis	0.0801
Rx (in)	Radius of gyration about the x-axis	1.0524
Iy (in⁴)	Moment of inertia about the y-axis	0.0151
Ry (in)	Radius of gyration about the y-axis	0.3992
EFFECTIVE PROPERTIES		
Ixe (in³)	Effective moment of inertia (x-axis)	0.068
Sxe (in³)	Effective section modulus (x-axis)	0.0417
Ma (in-k)	Allowable moment capacity	0.688
Vy (lb)	Allowable shear force in web	237
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0112
Cw (in⁶)	Warping constant	0.0176
Xo (in)	Distance from shear center to centroid	-0.7708
m (in)	Distance from shear center to mid-plane of web	0.4653
Ro (in)	Polar radius of gyration	1.3642
Beta	Torsional Flexural Constant	0.6807

Codes & Standards:

- **UL Designs**
  - U411, U412, U419, U420, U425, U435, U451, U465, UL 263, CIKVR38201, CIKV7.R38201
- **Tested In Accordance With**
  - ASTM E119; ANSI/UL 263
- **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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