PRODUCT SUBMITTAL SHEET

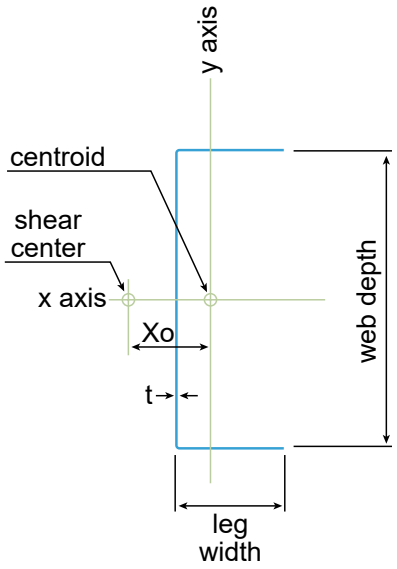
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

250T125-21 Track

Product Line: 250NT125-21 Nitro Track EQ 20GA (21 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	50 ksi
Leg Width	1.25 in.	Design Thickness	0.0220 in.
		Min. Steel Thickness	0.0209 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.111
Weight (lb/ft)	Linear weight per foot	0.38
Ix (in⁴)	Moment of inertia about the x-axis	0.1227
Sx (in³)	Section modulus about the x-axis	0.0936
Rx (in)	Radius of gyration about the x-axis	1.0526
Iy (in⁴)	Moment of inertia about the y-axis	0.0176
Ry (in)	Radius of gyration about the y-axis	0.3986
EFFECTIVE PROPERTIES		
Ixe (in³)	Effective moment of inertia (x-axis)	0.0772
Sxe (in³)	Effective section modulus (x-axis)	0.0466
Ma (in-k)	Allowable moment capacity	1.394
Vy (lb)	Allowable shear force in web	379
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0179
Cw (in⁶)	Warping constant	0.0206
Xo (in)	Distance from shear center to centroid	-0.7696
m (in)	Distance from shear center to mid-plane of web	-
Ro (in)	Polar radius of gyration	1.3635
Beta	Torsional Flexural Constant	0.6814

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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