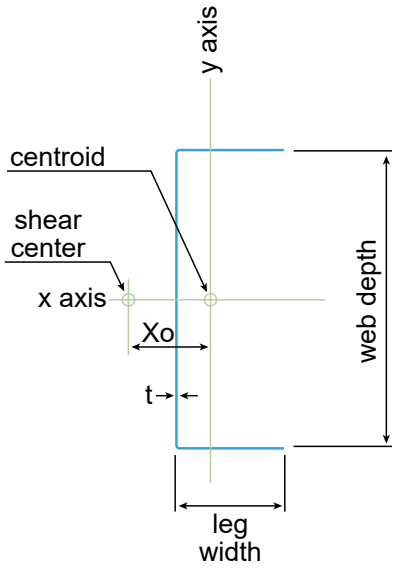
PRODUCT SUBMITTAL SHEET

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

162T125-21 Track

Product Line: 162NT125-21 Nitro Track EQ 20GA (21 mil)
Coating: G40 (standard), G60 (Available)
Specification Section: 09.22.16 (Non-Structural Metal Framing)



GEOMETRIC PROPERTIES			
Web Depth	1.625 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	0.092
Weight (lb/ft)	Linear weight per foot	0.31
Ix (in⁴)	Moment of inertia about the x-axis	0.0492
Sx (in³)	Section modulus about the x-axis	0.0564
Rx (in)	Radius of gyration about the x-axis	0.7336
Iy (in⁴)	Moment of inertia about the y-axis	0.0154
Ry (in)	Radius of gyration about the y-axis	0.4106
EFFECTIVE PROPERTIES		
Ixe (in³)	Effective moment of inertia (x-axis)	0.0311
Sxe (in³)	Effective section modulus (x-axis)	0.0282
Ma (in-k)	Allowable moment capacity	0.845
Vy (lb)	Allowable shear force in web	510
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0148
Cw (in⁶)	Warping constant	0.0079
Xo (in)	Distance from shear center to centroid	-0.8785
m (in)	Distance from shear center to mid-plane of web	0.5093
Ro (in)	Polar radius of gyration	1.2159
Beta	Torsional Flexural Constant	0.478

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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