PRODUCT SUBMITTAL SHEET

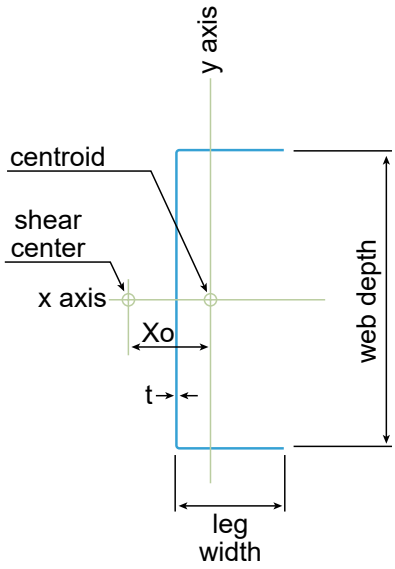
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
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162T125-18 Track

Product Line: 162NT125-18 Nitro Track 25GA (18 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	33 ksi
Leg Width	1.25 in.	Design Thickness	0.0188 in.
		Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.078
Weight (lb/ft)	Linear weight per foot	0.27
Ix (in^4)	Moment of inertia about the x-axis	0.0421
Sx (in^3)	Section modulus about the x-axis	0.0483
Rx (in)	Radius of gyration about the x-axis	0.7334
Iy (in^4)	Moment of inertia about the y-axis	0.0132
Ry (in)	Radius of gyration about the y-axis	0.4112
EFFECTIVE PROPERTIES		
Ixe (in^3)	Effective moment of inertia (x-axis)	0.0269
Sxe (in^3)	Effective section modulus (x-axis)	0.0245
Ma (in-k)	Allowable moment capacity	0.405
Vy (lb)	Allowable shear force in web	302
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0092
Cw (in^6)	Warping constant	0.0068
Xo (in)	Distance from shear center to centroid	-0.8798
m (in)	Distance from shear center to mid-plane of web	0.51
Ro (in)	Polar radius of gyration	1.2169
Beta	Torsional Flexural Constant	0.4774

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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