PRODUCT SUBMITTAL SHEET

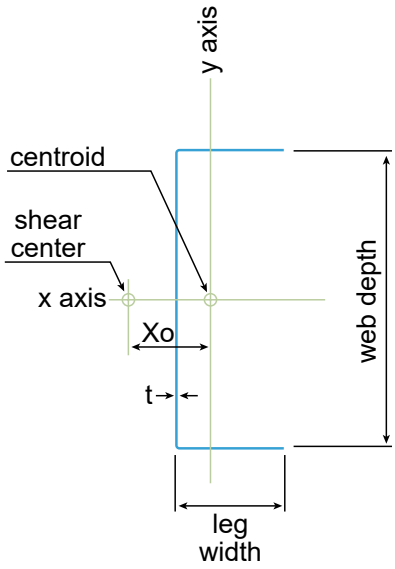
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

600T125-18 Track

Product Line: 600NT125-18 Nitro Track 25GA (18 mil)

Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)



GEOMETRIC PROPERTIES			
Web Depth	6 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	0.161
Weight (lb/ft)	Linear weight per foot	0.55
Ix (in⁴)	Moment of inertia about the x-axis	0.7817
Sx (in³)	Section modulus about the x-axis	0.2556
Rx (in)	Radius of gyration about the x-axis	2.2069
Iy (in⁴)	Moment of inertia about the y-axis	0.0187
Ry (in)	Radius of gyration about the y-axis	0.3415
EFFECTIVE PROPERTIES		
Ixe (in³)	Effective moment of inertia (x-axis)	0.4102
Sxe (in³)	Effective section modulus (x-axis)	0.0967
Ma (in-k)	Allowable moment capacity	1.596
Vy (lb)	Allowable shear force in web	79
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0189
Cw (in⁶)	Warping constant	0.1298
Xo (in)	Distance from shear center to centroid	-0.5244
m (in)	Distance from shear center to mid-plane of web	0.3441
Ro (in)	Polar radius of gyration	2.2939
Beta	Torsional Flexural Constant	0.9477

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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