PRODUCT SUBMITTAL SHEET

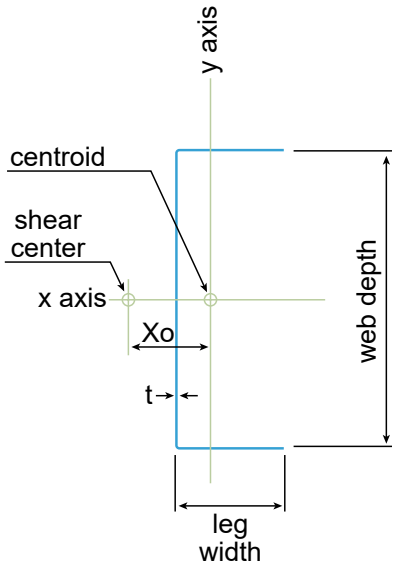
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

600T300-21 Track

Product Line: 600NT200-21 Nitro Track EQ 20GA (21 mil)

Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)



GEOMETRIC PROPERTIES			
Web Depth	6 in.	Yield Strength, Fy	50 ksi
Leg Width	2 in.	Design Thickness	0.0220 in.
		Min. Steel Thickness	0.0209 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.265
Weight (lb/ft)	Linear weight per foot	0.9
Ix (in^4)	Moment of inertia about the x-axis	1.6305
Sx (in^3)	Section modulus about the x-axis	0.5327
Rx (in)	Radius of gyration about the x-axis	2.4817
Iy (in^4)	Moment of inertia about the y-axis	0.2457
Ry (in)	Radius of gyration about the y-axis	0.9634
EFFECTIVE PROPERTIES		
Ixe (in^3)	Effective moment of inertia (x-axis)	0.5472
Sxe (in^3)	Effective section modulus (x-axis)	0.1123
Ma (in-k)	Allowable moment capacity	2.809
Vy (lb)	Allowable shear force in web	126
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0427
Cw (in^6)	Warping constant	1.5926
Xo (in)	Distance from shear center to centroid	-1.8635
m (in)	Distance from shear center to mid-plane of web	-
Ro (in)	Polar radius of gyration	3.2496
Beta	Torsional Flexural Constant	0.6711

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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