PRODUCT SUBMITTAL SHEET

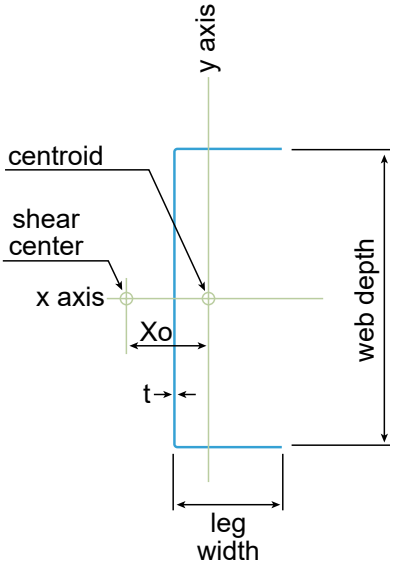
For more information or questions, please contact:
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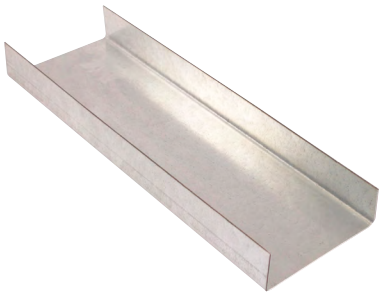
250T125-43 Track

Product Description: 2-1/2" Track 18GA (1-1/4" Leg, 43mil)

Coating: G60 (standard), G90 (special order)

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	33 ksi
Leg Width	1.25 in.	Design Thickness	0.0451 in.
		Min. Steel Thickness	0.0428 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.225
Weight (lb/ft)	Linear weight per foot	0.77
Ix (in^4)	Moment of inertia about the x-axis	0.250
Sx (in^3)	Section modulus about the x-axis	0.188
Rx (in)	Radius of gyration about the x-axis	1.055
Iy (in^4)	Moment of inertia about the y-axis	0.035
Ry (in)	Radius of gyration about the y-axis	0.395
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.231
Sx (in^3)	Effective section modulus (x-axis)	0.148
Ma (in-k)	Allowable bending moment-effective section modulus	2.92
Va_g (lb)	Allowable shear force in web	1356
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.1526
Cw (in^6)	Warping constant	0.042
Xo (in)	Distance from shear center to centroid	-0.755
m (in)	Distance from shear center to mid-plane of web	0.453
Ro (in)	Polar radius of gyration	1.356
Beta	Torsional Flexural Constant	0.690

Codes & Standards:

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **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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