PRODUCT SUBMITTAL SHEET

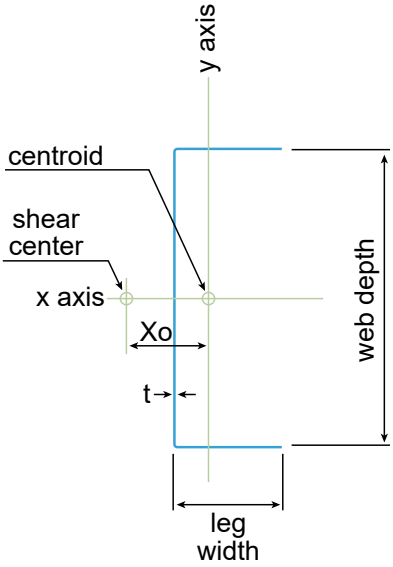
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
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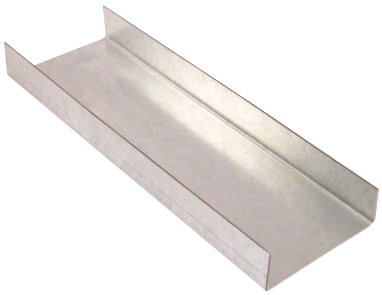
400T125-54 Track

Product Description: 4” Track 16GA (1-1/4” Leg, 54mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	4 in.	Yield Strength, Fy	50 ksi
Leg Width	1.25 in.	Design Thickness	0.0566 in.
		Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.367
Weight (lb/ft)	Linear weight per foot	1.25
Ix (in^4)	Moment of inertia about the x-axis	0.904
Sx (in^3)	Section modulus about the x-axis	0.431
Rx (in)	Radius of gyration about the x-axis	1.569
Iy (in^4)	Moment of inertia about the y-axis	0.049
Ry (in)	Radius of gyration about the y-axis	0.366
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	0.851
Sx (in^3)	Effective section modulus (x-axis)	0.359
Ma (in-k)	Allowable bending moment-effective section modulus	10.76
Va_g (lb)	Allowable shear force in web	3372
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.3921
Cw (in^6)	Warping constant	0.154
Xo (in)	Distance from shear center to centroid	-0.621
m (in)	Distance from shear center to mid-plane of web	0.390
Ro (in)	Polar radius of gyration	1.727
Beta	Torsional Flexural Constant	0.871

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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