PRODUCT SUBMITTAL SHEET

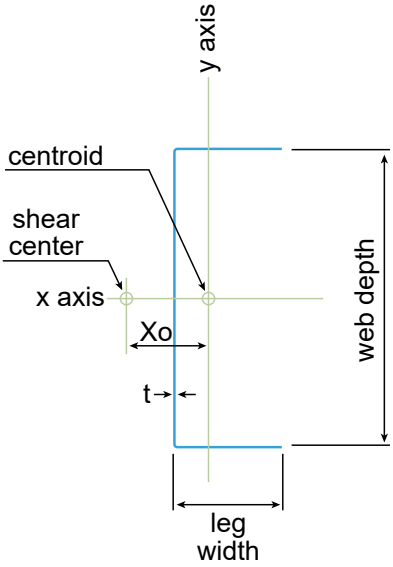
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
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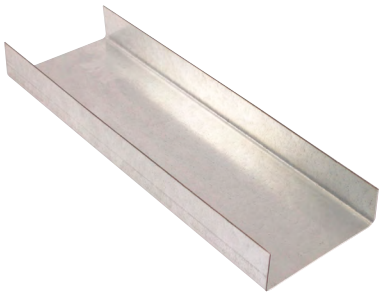
1000T150-54 Track

Product Description: 10” Track 16GA (1-1/2” Leg, 54mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)





GEOMETRIC PROPERTIES			
Web Depth	10 in.	Yield Strength, Fy	50 ksi
Leg Width	1.50 in.	Design Thickness	0.0566 in.
		Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.735
Weight (lb/ft)	Linear weight per foot	2.50
Ix (in^4)	Moment of inertia about the x-axis	9.065
Sx (in^3)	Section modulus about the x-axis	1.778
Rx (in)	Radius of gyration about the x-axis	3.512
Iy (in^4)	Moment of inertia about the y-axis	0.100
Ry (in)	Radius of gyration about the y-axis	0.368
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	7.881
Sx (in^3)	Effective section modulus (x-axis)	1.080
Ma (in-k)	Allowable bending moment-effective section modulus	32.32
Va_g (lb)	Allowable shear force in web	1627
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.785
Cw (in^6)	Warping constant	2.013
Xo (in)	Distance from shear center to centroid	-0.509
m (in)	Distance from shear center to mid-plane of web	0.342
Ro (in)	Polar radius of gyration	3.567
Beta	Torsional Flexural Constant	0.980

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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