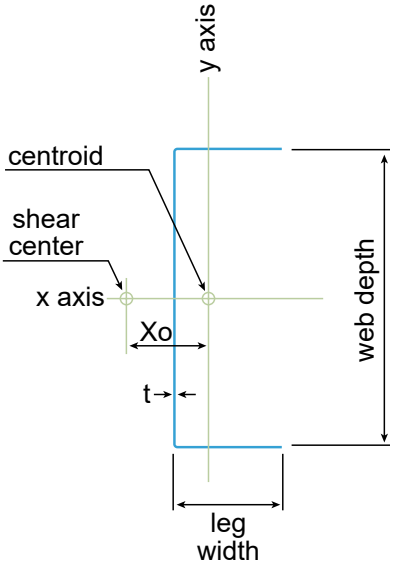
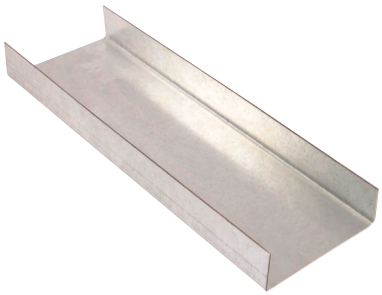
PRODUCT SUBMITTAL SHEET

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

550T125-54 Track

Product Description: 5-1/2" 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	5.5 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	0.452
Weight (lb/ft)	Linear weight per foot	1.54
Ix (in^4)	Moment of inertia about the x-axis	1.904
Sx (in^3)	Section modulus about the x-axis	0.668
Rx (in)	Radius of gyration about the x-axis	2.052
Iy (in^4)	Moment of inertia about the y-axis	0.053
Ry (in)	Radius of gyration about the y-axis	0.342
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	1.813
Sx (in^3)	Effective section modulus (x-axis)	0.535
Ma (in-k)	Allowable bending moment-effective section modulus	16.03
Va_g (lb)	Allowable shear force in web	2980
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.4828
Cw (in^6)	Warping constant	0.315
Xo (in)	Distance from shear center to centroid	-0.532
m (in)	Distance from shear center to mid-plane of web	0.345
Ro (in)	Polar radius of gyration	2.147
Beta	Torsional Flexural Constant	0.939

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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