PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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1000T150-43[1] Track

Product Description: 10” Track 18GA (1-1/2” Leg, 43mil)

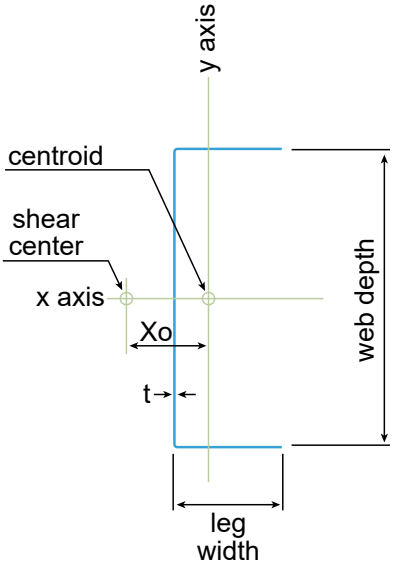
Coating: G60 (standard), G90 (special order)

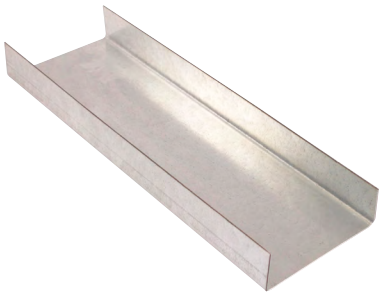
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	10 in.	Yield Strength, Fy	33 ksi
Leg Width	1.50 in.	Design Thickness	0.0451 in.
		Min. Steel Thickness	0.0428 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	0.586
Weight (lb/ft)	Linear weight per foot	1.99
Ix (in^4)	Moment of inertia about the x-axis	7.210
Sx (in^3)	Section modulus about the x-axis	1.419
Rx (in)	Radius of gyration about the x-axis	3.508
Iy (in^4)	Moment of inertia about the y-axis	0.080
Ry (in)	Radius of gyration about the y-axis	0.370
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	6.196
Sx (in^3)	Effective section modulus (x-axis)	0.837
Ma (in-k)	Allowable bending moment-effective section modulus	13.82
Va_g (lb)	Allowable shear force in web	822
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.3972
Cw (in^6)	Warping constant	1.612
Xo (in)	Distance from shear center to centroid	-0.513
m (in)	Distance from shear center to mid-plane of web	0.345
Ro (in)	Polar radius of gyration	3.565
Beta	Torsional Flexural Constant	0.979

**1 Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.*





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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