1600T200-68[1] (50ksi) Track

Product Description: 16" Track 14GA (2" Leg, 68mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

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

GEOMETRIC PROPERTIES			
Web Depth	16 in.	Yield Strength, Fy	50 ksi
Leg Width	2 in.	Design Thickness	0.0713 in.
		Min. Steel Thickness	0.0677 in.

GROSS PROPERTIES		
Area (in2)	Total cross-sectional steel area	1.425
Weight (lb/ft)	Linear weight per foot	4.85
Ix (in⁴)	Moment of inertia about the x-axis	42.933
Sx (in³)	Section modulus about the x-axis	5.284
Rx (in)	Radius of gyration about the x-axis	5.489
Iy (in⁴)	Moment of inertia about the y-axis	0.307
Ry (in)	Radius of gyration about the y-axis	0.464

EFFECTIVE PROPERTIES		
Ix (in³)	Effective moment of inertia (x-axis)	35.012
Sx (in³)	Effective section modulus (x-axis)	2.808
Ma (in-k)	Allowable bending moment-effective section modulus	70.19
Va_g (lb)	Allowable shear force in web	2029

TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	2.4146
Cw (in⁶)	Warping constant	16.123
Xo (in)	Distance from shear center to centroid	-0.607
m (in)	Distance from shear center to mid-plane of web	0.414
Ro (in)	Polar radius of gyration	5.542
Beta	Torsional Flexural Constant	0.988
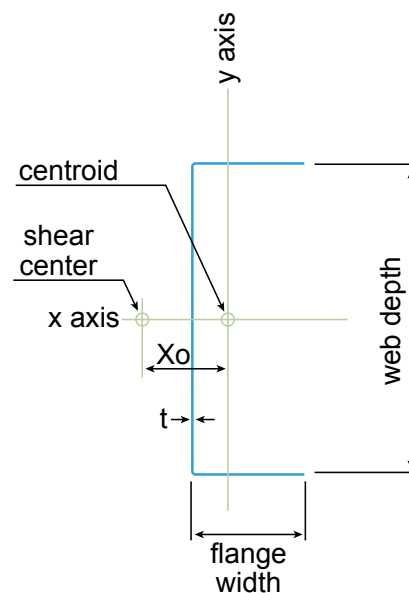
CODES AND STANDARDS:
Super Stud products comply with the applicable provisions of the following:
• International Building Code (IBC): 2006–2024
• AISI S100-16 (2020) w/S2-20
• Sheet Steel: ASTM A1003/A1003M; ASTM A653/A653M
• Galvanized Coating: ASTM A653/A653M
Structural Members:
• ASTM C955; AISI S240
• Installed per ASTM C1007
Additional Standards:
• AISI S201; AISI S202
3rd Party Certification

For LEED Letter requests please submit through: www.buysuperstud.com

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