

## 1000T300-68 (50ksi) Track

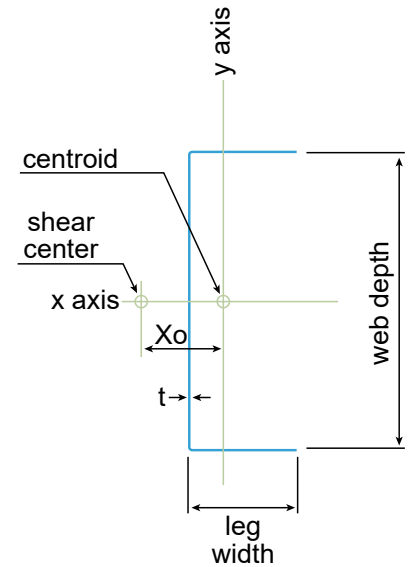
Product Description: 10" Track 14GA (3" Leg, 68 mil)

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	3 in.	Design Thickness	0.0713 in.
		Min. Steel Thickness	0.0677 in.

GROSS PROPERTIES		
Area (in <sup>2</sup> )	Total cross-sectional steel area	1.140
Weight (lb/ft)	Linear weight per foot	3.88
I <sub>x</sub> (in <sup>4</sup> )	Moment of inertia about the x-axis	16.989
S <sub>x</sub> (in <sup>3</sup> )	Section modulus about the x-axis	3.315
R <sub>x</sub> (in)	Radius of gyration about the x-axis	3.861
I <sub>y</sub> (in <sup>4</sup> )	Moment of inertia about the y-axis	0.893
R <sub>y</sub> (in)	Radius of gyration about the y-axis	0.885
EFFECTIVE PROPERTIES		
I <sub>x</sub> (in <sup>3</sup> )	Effective moment of inertia (x-axis)	14.107
S <sub>x</sub> (in <sup>3</sup> )	Effective section modulus (x-axis)	1.904
M <sub>a</sub> (in-k)	Allowable bending moment-effective section modulus	57.02
V <sub>a<sub>g</sub></sub> (lb)	Allowable shear force in web	3261
TORSIONAL PROPERTIES		
J x 1000 (in <sup>4</sup> )	St. Venant torsional constant	1.931
C <sub>w</sub> (in <sup>6</sup> )	Warping constant	16.771
X <sub>o</sub> (in)	Distance from shear center to centroid	-1.493
m (in)	Distance from shear center to mid-plane of web	0.943
R <sub>o</sub> (in)	Polar radius of gyration	4.233
Beta	Torsional Flexural Constant	0.876



### CODES AND STANDARDS:

Super Stud/EB Metal US 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](http://www.buysuperstud.com) or [www.ebmetal.us](http://www.ebmetal.us)