

## 800T150-43 Track

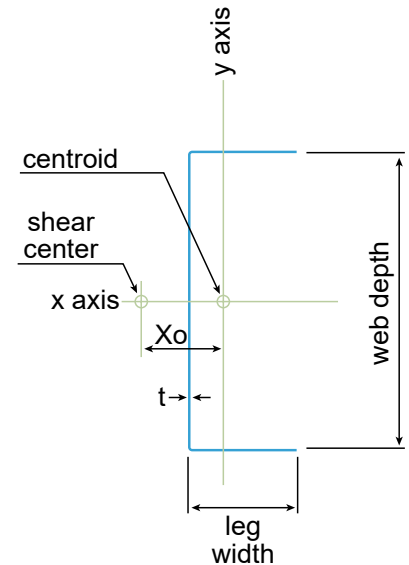
Product Description: 8" Track 18GA (1-1/2" Leg, 43mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	8 in.	Yield Strength, $F_y$	33 ksi
Leg Width	1.50 in.	Design Thickness	0.0451 in.
		Min. Steel Thickness	0.0428 in.

GROSS PROPERTIES		
Area (in <sup>2</sup> )	Total cross-sectional steel area	0.496
Weight (lb/ft)	Linear weight per foot	1.69
$I_x$ (in <sup>4</sup> )	Moment of inertia about the x-axis	4.145
$S_x$ (in <sup>3</sup> )	Section modulus about the x-axis	1.016
$R_x$ (in)	Radius of gyration about the x-axis	2.892
$I_y$ (in <sup>4</sup> )	Moment of inertia about the y-axis	0.077
$R_y$ (in)	Radius of gyration about the y-axis	0.395
EFFECTIVE PROPERTIES		
$I_x$ (in <sup>3</sup> )	Effective moment of inertia (x-axis)	3.690
$S_x$ (in <sup>3</sup> )	Effective section modulus (x-axis)	0.656
$M_a$ (in-k)	Allowable bending moment-effective section modulus	12.96
$V_a$ (lb)	Allowable shear force in web	1030
TORSIONAL PROPERTIES		
$J \times 1000$ (in <sup>4</sup> )	St. Venant torsional constant	0.3361
$C_w$ (in <sup>6</sup> )	Warping constant	0.972
$X_o$ (in)	Distance from shear center to centroid	-0.584
$m$ (in)	Distance from shear center to mid-plane of web	0.386
$R_o$ (in)	Polar radius of gyration	2.977
Beta	Torsional Flexural Constant	0.961



### 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)