

250T125-43 Track

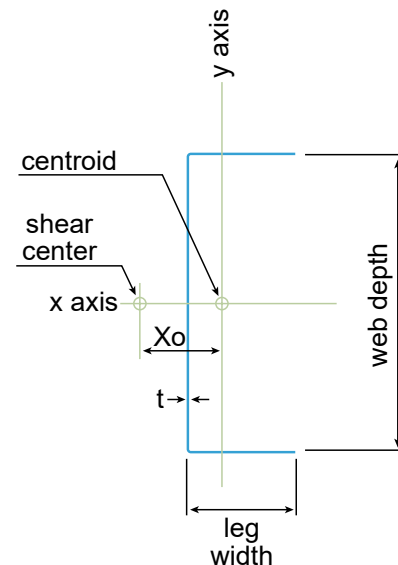
Product Description: 2-1/2" Track 18GA (1-1/4" Leg, 43mil)

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

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	33 ksi
Leg Width	1.25 in.	Design Thickness	0.0451 in.
		Min. Steel Thickness	0.0428 in.

GROSS PROPERTIES		
Area (in ²)	Total cross-sectional steel area	0.225
Weight (lb/ft)	Linear weight per foot	0.77
I _x (in ⁴)	Moment of inertia about the x-axis	0.250
S _x (in ³)	Section modulus about the x-axis	0.188
R _x (in)	Radius of gyration about the x-axis	1.055
I _y (in ⁴)	Moment of inertia about the y-axis	0.035
R _y (in)	Radius of gyration about the y-axis	0.395
EFFECTIVE PROPERTIES		
I _x (in ³)	Effective moment of inertia (x-axis)	0.231
S _x (in ³)	Effective section modulus (x-axis)	0.148
M _a (in-k)	Allowable bending moment-effective section modulus	2.92
V _a (lb)	Allowable shear force in web	1356
TORSIONAL PROPERTIES		
J x 1000 (in ⁴)	St. Venant torsional constant	0.1526
C _w (in ⁶)	Warping constant	0.042
X _o (in)	Distance from shear center to centroid	-0.755
m (in)	Distance from shear center to mid-plane of web	0.453
R _o (in)	Polar radius of gyration	1.356
Beta	Torsional Flexural Constant	0.690



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 or www.ebmetal.us