

250T125-18 Track

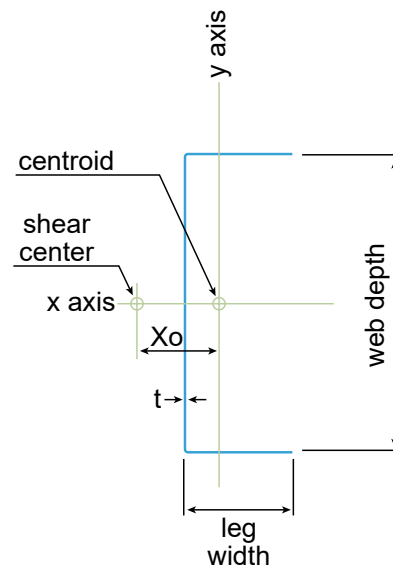
Product Line: 250EDT125-18- The Edge™ Performance 20 (18 mil)

Coating: G40 (standard), G60 (special order)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, F_y	55 ksi
Leg Width	1.25 in.	Design Thickness	0.0188 in.
		Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in ²)	Total cross-sectional steel area	0.0949
Weight (lb/ft)	Linear weight per foot	0.323
I_x (in ⁴)	Moment of inertia about the x-axis	0.1051
S_x (in ³)	Section modulus about the x-axis	0.0803
R_x (in)	Radius of gyration about the x-axis	1.053
I_y (in ⁴)	Moment of inertia about the y-axis	0.0151
R_y (in)	Radius of gyration about the y-axis	0.3990
EFFECTIVE PROPERTIES		
Area (in ²)	Effective area	0.0304
I_{xe} (in ³)	Effective moment of inertia (x-axis)	0.0633
S_{xe} (in ³)	Effective section modulus (x-axis)	0.0375
M_a (in-k)	Allowable moment capacity	0.7491
V_y (lb)	Allowable shear force in web	235
TORSIONAL PROPERTIES		
$J \times 1000$ (in ⁴)	St. Venant torsional constant	0.0112
C_w (in ⁶)	Warping constant	0.0177
X_o (in)	Distance from shear center to centroid	0.7694
R_o (in)	Polar radius of gyration	1.3637
Beta	Torsional Flexural Constant	0.6817



CODES AND STANDARDS:

Super Stud/EB Metal US products comply with the applicable provisions of the following:

- International Building Code (IBC): 2006–2024
- Complies with AISI S100-16 (2020) w/S2-20. *Effective properties incorporate the strength increase from the cold work of forming*
- Sheet steel: ASTM A1003/A1003M; ASTM A653/A653M
- Galvanized coating: ASTM A653/A653M or equivalent
- UL Designs: U419, V438, V489, V498, W433, W440
- Tested in accordance with ASTM E119; ANSI/UL 263
- Members and tolerances: ASTM C645; AISI S220, AISI S201, AISI S202
- Meets ASTM C754 when installed properly in structure.
- 3rd party Certification

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

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