## 250T125-15 Track

Product Line: 250EDT125-15- The Edge™ 25 (15 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, Fy	50 ksi
Leg Width	1.25 in.	Design Thickness	0.0153 in.
		Min. Steel Thickness	0.0145 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.0773
Weight (lb/ft)	Linear weight per foot	0.263
Ix (in⁴)	Moment of inertia about the x-axis	0.0860
Sx (in³)	Section modulus about the x-axis	0.0657
Rx (in)	Radius of gyration about the x-axis	1.054
Iy (in⁴)	Moment of inertia about the y-axis	0.0123
Ry (in)	Radius of gyration about the y-axis	0.3996

EFFECTIVE PROPERTIES		
Area (in²)	Effective area	0.0207
Ixe (in³)	Effective moment of inertia (x-axis)	0.0452
Sxe (in³)	Effective section modulus (x-axis)	0.0251
Ma (in-k)	Allowable moment capacity	0.5026
Vy (lb)	Allowable shear force in web	126

TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0060
Cw (in⁶)	Warping constant	0.0145
Xo (in)	Distance from shear center to centroid	0.7702
Ro (in)	Polar radius of gyration	1.3655
Beta	Torsional Flexural Constant	0.6819
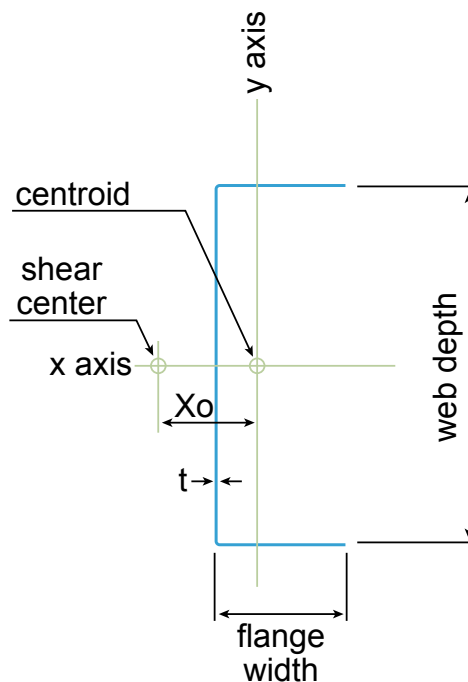
CODES AND STANDARDS:

Super Stud 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

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