

162T125-18 Track

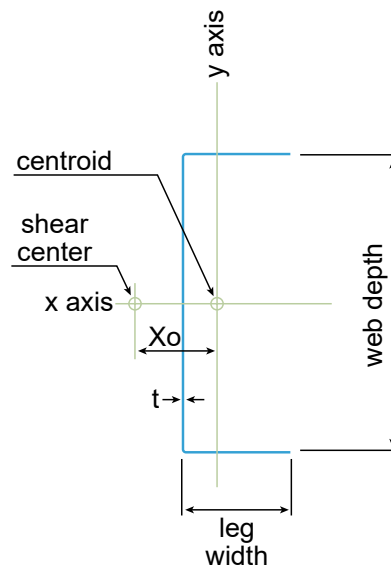
Product Line: 162EDT125-18- The Edge™ Performance 20 (18 mil)

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

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	1.625 in.	Yield Strength, Fy	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	0.0784
Weight (lb/ft)	Linear weight per foot	0.267
I _x (in ⁴)	Moment of inertia about the x-axis	0.0422
S _x (in ³)	Section modulus about the x-axis	0.0484
R _x (in)	Radius of gyration about the x-axis	0.734
I _y (in ⁴)	Moment of inertia about the y-axis	0.0133
R _y (in)	Radius of gyration about the y-axis	0.4111
EFFECTIVE PROPERTIES		
Area (in ²)	Effective area	0.0295
I _{xe} (in ³)	Effective moment of inertia (x-axis)	0.0262
S _{xe} (in ³)	Effective section modulus (x-axis)	0.0236
M _a (in-k)	Allowable moment capacity	0.4725
V _y (lb)	Allowable shear force in web	333
TORSIONAL PROPERTIES		
J x 1000 (in ⁴)	St. Venant torsional constant	0.0092
C _w (in ⁶)	Warping constant	0.0068
X _o (in)	Distance from shear center to centroid	0.8780
R _o (in)	Polar radius of gyration	1.2158
Beta	Torsional Flexural Constant	0.4785



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

NEW HAMPSHIRE FACILITY
 12 TALLWOOD DRIVE
 BOW, NH 03304
 P: 603-216-1573

MISSISSIPPI FACILITY
 53 W L RUNNELS IND DR
 HATTIESBURG, MS 39401
 P: 601-584-7550

NEW JERSEY FACILITY
 2960 WOODBRIDGE AVE
 EDISON, NJ 08837
 P: 732-662-6200