



PRODUCT SUBMITTAL SHEET

For more information or questions, please contact
the technical department: technical@buysuperstud.com



250T125-30 DW30 Track

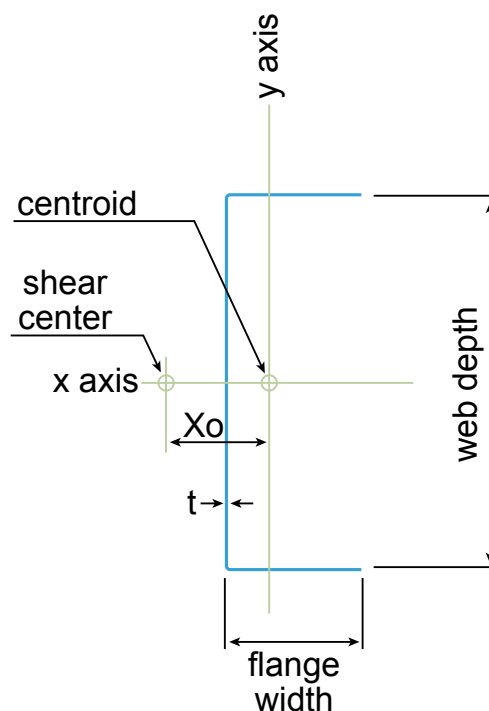
Product Description: 2-1/2" Track 20GA (1-1/4" Leg, 30mil)

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

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	33 ksi
Flange Width	1.25 in.	Design Thickness	0.0312 in.
		Min. Design Thickness	0.0296 in.

GROSS PROPERTIES		
Area (in ²)	Total cross-sectional steel area	0.156
Weight (lb/ft)	Linear weight per foot	0.53
I _x (in ⁴)	Moment of inertia about the x-axis	0.173
S _x (in ³)	Section modulus about the x-axis	0.131
R _x (in)	Radius of gyration about the x-axis	1.053
I _y (in ⁴)	Moment of inertia about the y-axis	0.025
R _y (in)	Radius of gyration about the y-axis	0.397
EFFECTIVE PROPERTIES		
I _x (in ³)	Effective moment of inertia (x-axis)	0.146
S _x (in ³)	Effective section modulus (x-axis)	0.090
Ma (in-k)	Allowable bending moment-effective section modulus	1.77
Va _g (lb)	Allowable shear force in web	833
TORSIONAL PROPERTIES		
J x 1000 (in ⁴)	St. Venant torsional constant	0.0506
C _w (in ⁶)	Warping constant	0.030
X _o (in)	Distance from shear center to centroid	-0.762
m (in)	Distance from shear center to mid-plane of web	0.456
R _o (in)	Polar radius of gyration	1.359
Beta	Torsional Flexural Constant	0.686



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

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