PRODUCT SUBMITTAL SHEET

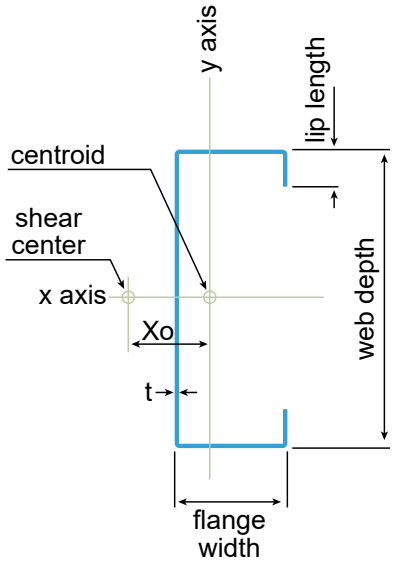
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

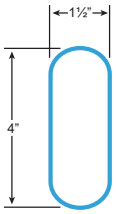
1200S250-118 (Standard Punch)

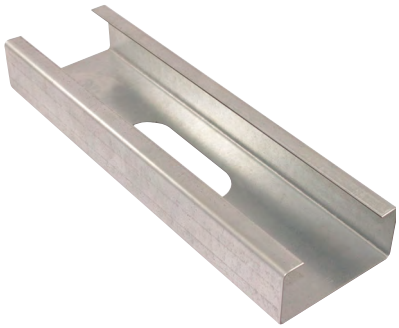
Product Description: 12” Stud 10GA (2-1/2” Flange, 118 mil)
Coating: G60 (standard), G90 (Available)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	12 in.	Yield Strength, Fy	50 ksi
Flange Width	2.500 in.	Design Thickness	0.1242 in.
Lip Length	0.625 in.	Min. Steel Thickness	0.1180 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	2.152
Weight (lb/ft)	Linear weight per foot	7.32
Ix (in^4)	Moment of inertia about the x-axis	40.740
Sx (in^3)	Section modulus about the x-axis	6.790
Rx (in)	Radius of gyration about the x-axis	4.351
Iy (in^4)	Moment of inertia about the y-axis	1.308
Ry (in)	Radius of gyration about the y-axis	0.780
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	40.736
Sx (in^3)	Effective section modulus (x-axis)	6.537
Ma (in-k)	Allowable bending moment-effective section modulus	195.71
Mad (in-k)	Allowable bending moment-distortional bucking	171.85
Va_g (lb)	Allowable shear force in web	14982
Va_{net} (lb)	Allowable strong axis sheer at punchout	11034
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	11.065
Cw (in^6)	Warping constant	38.619
Xo (in)	Distance from shear center to centroid	-1.305
m (in)	Distance from shear center to mid-plane of web	0.854
Ro (in)	Polar radius of gyration	4.609
Beta	Torsional Flexural Constant	0.920







First punchout is centered 12” from beginning of member; subsequent punchouts are 24” on center (o.c.). Center of last punchout is no less than 12” from end of member.

Codes & Standards:

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
- **Building Codes**
  - International Building Code (IBC) 2006–2024

- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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