PRODUCT SUBMITTAL SHEET

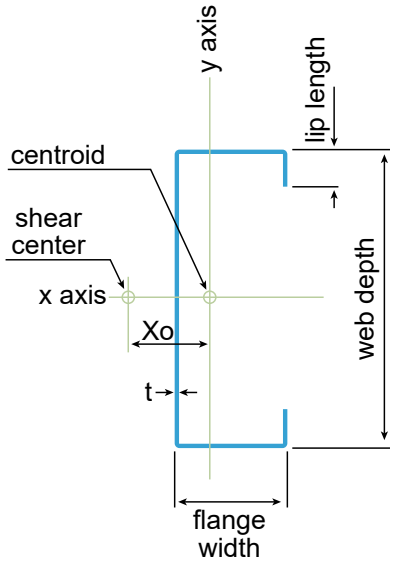
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

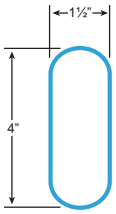
1200S250-68 (Standard Punch)

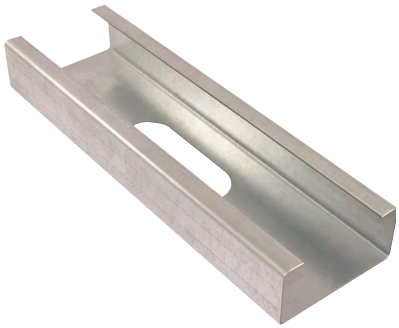
Product Description: 12” Stud 14GA (2-1/2” Flange, 68 mil)
Coating: G60 (standard), G90 (Available)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	12 in.	Yield Strength, Fy	50 ksi
Flange Width	2.500 in.	Design Thickness	0.0713 in.
Lip Length	0.625 in.	Min. Steel Thickness	0.0677 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	1.263
Weight (lb/ft)	Linear weight per foot	4.30
Ix (in⁴)	Moment of inertia about the x-axis	24.491
Sx (in³)	Section modulus about the x-axis	4.082
Rx (in)	Radius of gyration about the x-axis	4.403
Iy (in⁴)	Moment of inertia about the y-axis	0.836
Ry (in)	Radius of gyration about the y-axis	0.813
EFFECTIVE PROPERTIES		
Ix (in³)	Effective moment of inertia (x-axis)	23.610
Sx (in³)	Effective section modulus (x-axis)	2.938
Ma (in-k)	Allowable bending moment-effective section modulus	87.95
Mad (in-k)	Allowable bending moment-distortional bucking	79.05
Va_g (lb)	Allowable shear force in web	2770
Va_{net} (lb)	Allowable strong axis sheer at punchout	2770
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	2.141
Cw (in⁶)	Warping constant	24.034
Xo (in)	Distance from shear center to centroid	-1.362
m (in)	Distance from shear center to mid-plane of web	0.884
Ro (in)	Polar radius of gyration	4.680
Beta	Torsional Flexural Constant	0.915







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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