PRODUCT SUBMITTAL SHEET

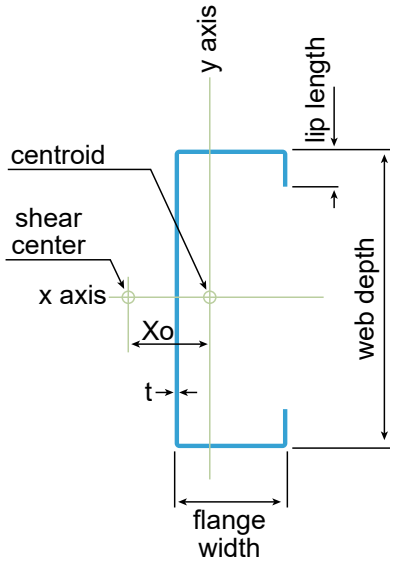
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

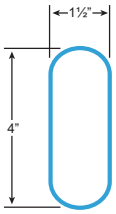
1200S250-97 (Standard Punch)

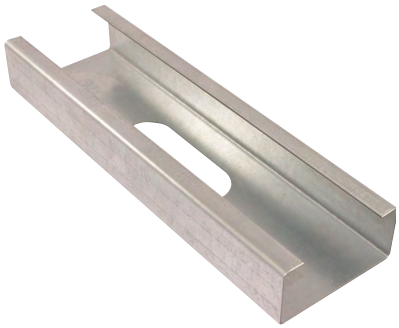
Product Description: 12” Stud 12GA (2-1/2” Flange, 97 mil)
Coating: G60 (standard), G90 (Available)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	12 in.	Yield Strength, Fy	50 ksi
Flange Width	2.500 in.	Design Thickness	0.1017 in.
Lip Length	0.625 in.	Min. Steel Thickness	0.0966 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	1.779
Weight (lb/ft)	Linear weight per foot	6.05
Ix (in⁴)	Moment of inertia about the x-axis	34.027
Sx (in³)	Section modulus about the x-axis	5.671
Rx (in)	Radius of gyration about the x-axis	4.373
Iy (in⁴)	Moment of inertia about the y-axis	1.122
Ry (in)	Radius of gyration about the y-axis	0.794
EFFECTIVE PROPERTIES		
Ix (in³)	Effective moment of inertia (x-axis)	33.851
Sx (in³)	Effective section modulus (x-axis)	4.998
Ma (in-k)	Allowable bending moment-effective section modulus	149.63
Mad (in-k)	Allowable bending moment-distortional bucking	130.54
Va_g (lb)	Allowable shear force in web	8145
Va_{net} (lb)	Allowable strong axis sheer at punchout	7410
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	6.134
Cw (in⁶)	Warping constant	32.734
Xo (in)	Distance from shear center to centroid	-1.329
m (in)	Distance from shear center to mid-plane of web	0.867
Ro (in)	Polar radius of gyration	4.639
Beta	Torsional Flexural Constant	0.918







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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