PRODUCT SUBMITTAL SHEET

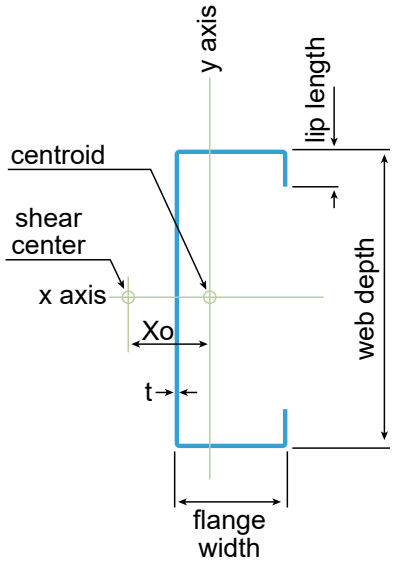
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

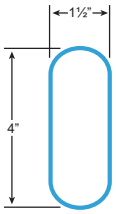
1400S250-68 (Standard Punch)

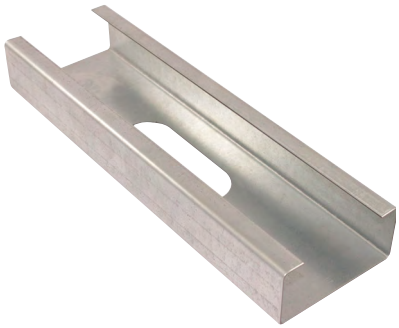
Product Description: 14” Stud 14GA (2-1/2” Flange, 68 mil)
Coating: G60 (standard), G90 (Available)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	14 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 (in^2)	Total cross-sectional steel area	1.406
Weight (lb/ft)	Linear weight per foot	4.78
Ix (in^4)	Moment of inertia about the x-axis	35.755
Sx (in^3)	Section modulus about the x-axis	5.106
Rx (in)	Radius of gyration about the x-axis	5.043
Iy (in^4)	Moment of inertia about the y-axis	0.865
Ry (in)	Radius of gyration about the y-axis	0.784
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	33.627
Sx (in^3)	Effective section modulus (x-axis)	3.467
Ma (in-k)	Allowable bending moment-effective section modulus	103.80
Mad (in-k)	Allowable bending moment-distortional bucking	91.04
Va_g (lb)	Allowable shear force in web	2364
Va_{net} (lb)	Allowable strong axis sheer at punchout	2364
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	2.383
Cw (in^6)	Warping constant	34.118
Xo (in)	Distance from shear center to centroid	-1.257
m (in)	Distance from shear center to mid-plane of web	0.827
Ro (in)	Polar radius of gyration	5.256
Beta	Torsional Flexural Constant	0.943







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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