PRODUCT SUBMITTAL SHEET

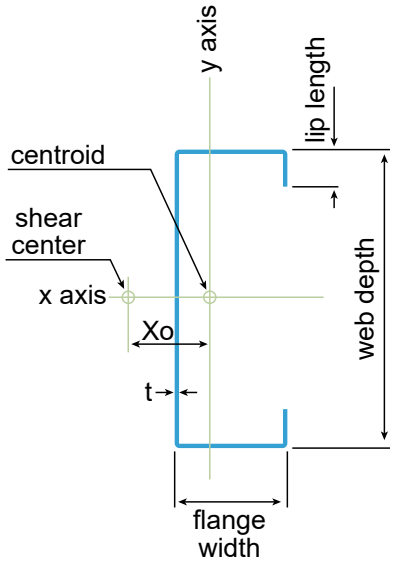
For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
EB Metal US: technical@ebmetal.us

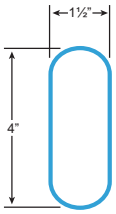
1000S350-54 (Standard Punch)

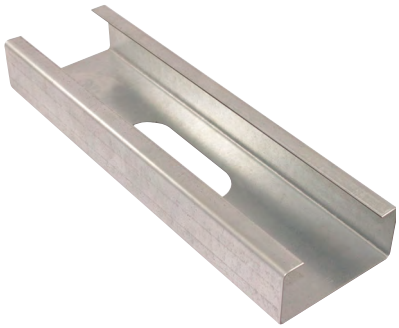
Product Description: 10” Stud 16GA (3-1/2” Flange, 54 mil)
Coating: G60 (standard), G90 (Available)
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	10 in.	Yield Strength, Fy	50 ksi
Flange Width	3.500 in.	Design Thickness	0.0566 in.
Lip Length	1.000 in.	Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	1.052
Weight (lb/ft)	Linear weight per foot	3.58
Ix (in^4)	Moment of inertia about the x-axis	16.223
Sx (in^3)	Section modulus about the x-axis	3.245
Rx (in)	Radius of gyration about the x-axis	3.928
Iy (in^4)	Moment of inertia about the y-axis	1.768
Ry (in)	Radius of gyration about the y-axis	1.297
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	15.626
Sx (in^3)	Effective section modulus (x-axis)	2.267
Ma (in-k)	Allowable bending moment-effective section modulus	67.88
Mad (in-k)	Allowable bending moment-distortional bucking	60.89
Va_g (lb)	Allowable shear force in web	1660
Va_{net} (lb)	Allowable strong axis sheer at punchout	1660
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	1.123
Cw (in^6)	Warping constant	36.575
Xo (in)	Distance from shear center to centroid	-2.546
m (in)	Distance from shear center to mid-plane of web	1.566
Ro (in)	Polar radius of gyration	4.857
Beta	Torsional Flexural Constant	0.725







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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