PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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362S250-97 (Standard Punch)

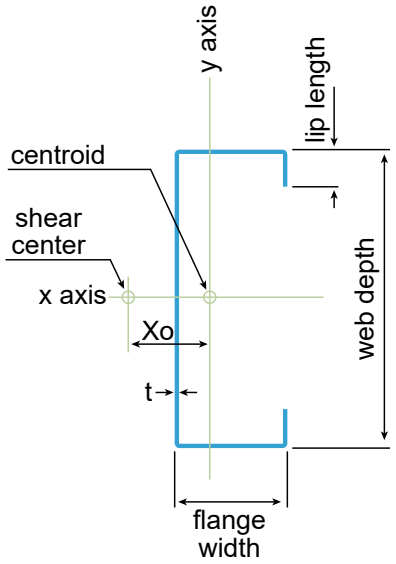
Product Description: 3-5/8" Stud 12GA (2-1/2" Flange, 97 mil)

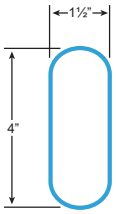
Coating: G60 (standard), G90 (Available)

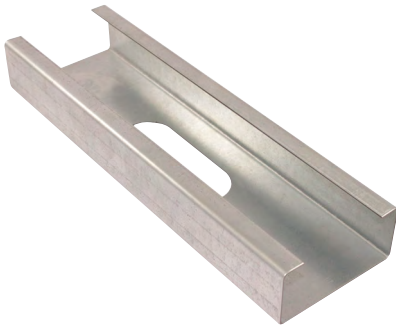
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	3.625 in.	Yield Strength, Fy	50 ksi
Flange Width	2.5 in.	Design Thickness	0.1017 in.
Lip Length	0.625 in.	Min. Steel Thickness	0.0966 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.927
Weight (lb/ft)	Linear weight per foot	3.16
Ix (in^4)	Moment of inertia about the x-axis	2.028
Sx (in^3)	Section modulus about the x-axis	1.119
Rx (in)	Radius of gyration about the x-axis	1.479
Iy (in^4)	Moment of inertia about the y-axis	0.773
Ry (in)	Radius of gyration about the y-axis	0.913
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	2.029
Sx (in^3)	Effective section modulus (x-axis)	1.059
Ma (in-k)	Allowable bending moment-effective section modulus	31.71
Mad (in-k)	Allowable bending moment-distortional bucking	32.47
Va_g (lb)	Allowable shear force in web	5943
Va_{net} (lb)	Allowable strong axis sheer at punchout	875
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	3.197
Cw (in^6)	Warping constant	2.452
Xo (in)	Distance from shear center to centroid	-2.126
m (in)	Distance from shear center to mid-plane of web	1.239
Ro (in)	Polar radius of gyration	2.746
Beta	Torsional Flexural Constant	0.401







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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