PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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362S250-54 (Standard Punch)

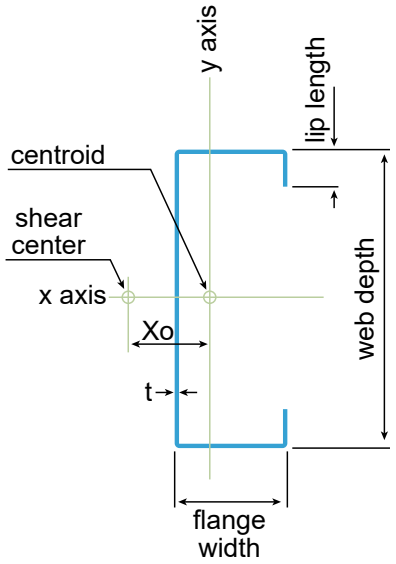
Product Description: 3-5/8" Stud 16GA (2-1/2" Flange, 54 mil)

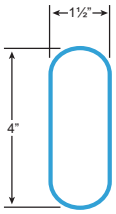
Coating: G60 (standard), G90 (Available)

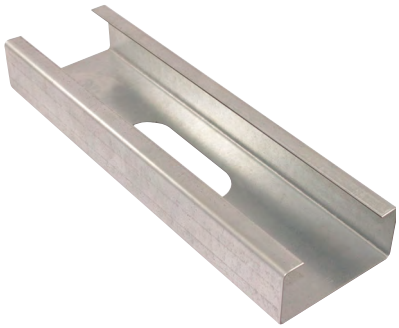
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	3.625 in.	Yield Strength, Fy	50 ksi
Flange Width	2.5 in.	Design Thickness	0.0566 in.
Lip Length	0.625 in.	Min. Steel Thickness	0.0538 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.535
Weight (lb/ft)	Linear weight per foot	1.82
Ix (in^4)	Moment of inertia about the x-axis	1.210
Sx (in^3)	Section modulus about the x-axis	0.668
Rx (in)	Radius of gyration about the x-axis	1.504
Iy (in^4)	Moment of inertia about the y-axis	0.473
Ry (in)	Radius of gyration about the y-axis	0.940
EFFECTIVE PROPERTIES		
Ix (in^3)	Effective moment of inertia (x-axis)	1.204
Sx (in^3)	Effective section modulus (x-axis)	0.526
Ma (in-k)	Allowable bending moment-effective section modulus	15.74
Mad (in-k)	Allowable bending moment-distortional bucking	15.93
Va_g (lb)	Allowable shear force in web	3372
Va_{net} (lb)	Allowable strong axis sheer at punchout	1016
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.571
Cw (in^6)	Warping constant	1.506
Xo (in)	Distance from shear center to centroid	-2.184
m (in)	Distance from shear center to mid-plane of web	1.269
Ro (in)	Polar radius of gyration	2.813
Beta	Torsional Flexural Constant	0.397







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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