PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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250S125-30 (Standard Punch)

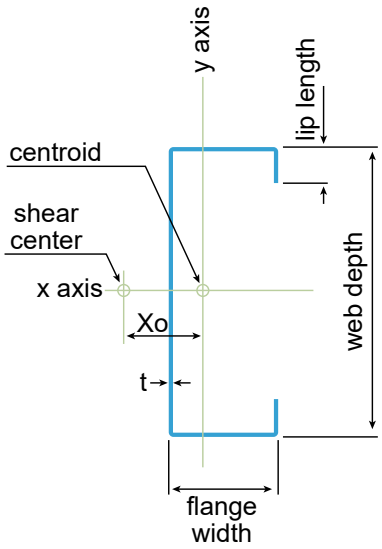
Product Description: 2-1/2" Stud DW 20GA (1-1/4" Flange, 30mil)

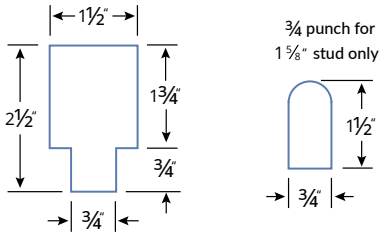
Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	33 ksi
Flange Width	1.25 in.	Design Thickness	0.0312 in.
Lip Length	0.188 in.	Min. Steel Thickness	0.0296 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.159
Weight (lb/ft)	Linear weight per foot	0.54
Ix (in⁴)	Moment of inertia about the x-axis	0.161
Sx (in³)	Section modulus about the x-axis	0.129
Rx (in)	Radius of gyration about the x-axis	1.008
Iy (in⁴)	Moment of inertia about the y-axis	0.030
Ry (in)	Radius of gyration about the y-axis	0.433
EFFECTIVE PROPERTIES		
Ix (in³)	Effective moment of inertia (x-axis)	0.159
Sx (in³)	Effective section modulus (x-axis)	0.108
Ma (in-k)	Allowable bending moment-effective section modulus	2.14
Mad (in-k)	Allowable bending moment-distortional bucking	1.84
Va_g (lb)	Allowable shear force in web	833
Va_{net} (lb)	Allowable strong axis sheer at punchout	378
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.052
Cw (in⁶)	Warping constant	0.037
Xo (in)	Distance from shear center to centroid	-0.890
m (in)	Distance from shear center to mid-plane of web	0.535
Ro (in)	Polar radius of gyration	1.413
Beta	Torsional Flexural Constant	0.603





Non-structural punchout 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:

- **Nonstructural Members**
  - AISI S220
  - ASTM C645
  - ASTM C754
- **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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