PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
Super Stud: technical@buysuperstud.com
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162S125-18 (Standard Punch)

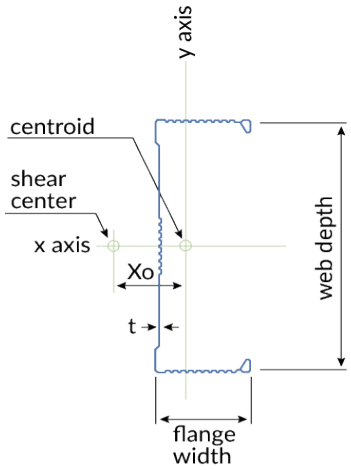
Product Line: 162EDS125-18- The Edge™ EQ 20GA (18 mil)

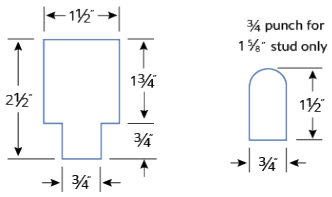
Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

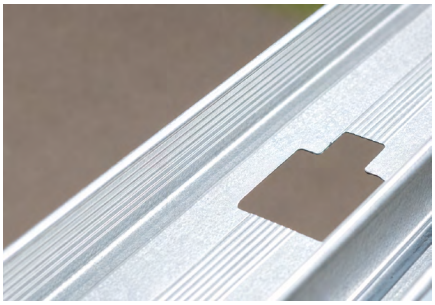
GEOMETRIC PROPERTIES			
Web Depth	1.625 in.	Yield Strength, Fy	55 ksi
Flange Width	1.25 in.	Design Thickness	0.0188 in.
Lip Length	.188 in.	Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.0856
Weight (lb/ft)	Linear weight per foot	0.291
Ix (in⁴)	Moment of inertia about the x-axis	0.0409
Sx (in³)	Section modulus about the x-axis	0.0503
Rx (in)	Radius of gyration about the x-axis	0.691
Iy (in⁴)	Moment of inertia about the y-axis	0.0178
Ry (in)	Radius of gyration about the y-axis	0.4558
EFFECTIVE PROPERTIES		
Area (in²)	Effective area	0.0527
Ixe (in³)	Effective moment of inertia (x-axis)	0.0337
Sxe (in³)	Effective section modulus (x-axis)	0.0365
Ma (in-k)	Allowable moment capacity	1.0033
Vy (lb)	Allowable shear force in web	214
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0101
Cw (in⁶)	Warping constant	0.0097
Xo (in)	Distance from shear center to centroid	1.0465
Ro (in)	Polar radius of gyration	1.3343
Beta	Torsional Flexural Constant	0.3849





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:

- **Fire Testing**
  - Tested in accordance with ASTM E119; ANSI/UL 263
  - UL Designs: U419, V438, V489, V498, W433, W440
- **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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