PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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250S125-18 (Standard Punch)

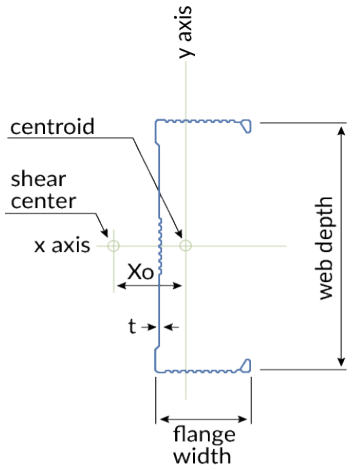
Product Line: 250EDS125-18- The Edge™ EQ 20GA (18 mil)

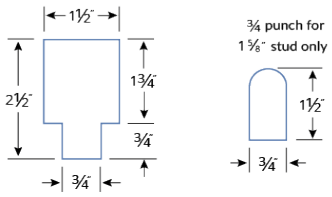
Coating: G40 (standard), G60 (Available)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

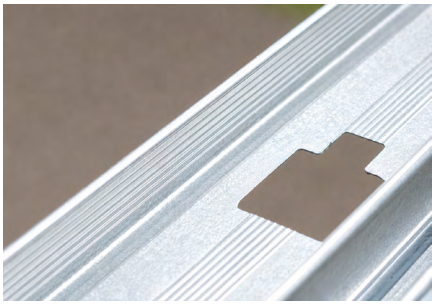
GEOMETRIC PROPERTIES			
Web Depth	2.5 in.	Yield Strength, Fy	55 ksi
Flange Width	1.25 in.	Design Thickness	0.0188 in.
Lip Length	.188 in.	Min. Steel Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in^2)	Total cross-sectional steel area	0.1020
Weight (lb/ft)	Linear weight per foot	0.347
Ix (in^4)	Moment of inertia about the x-axis	0.1070
Sx (in^3)	Section modulus about the x-axis	0.0856
Rx (in)	Radius of gyration about the x-axis	1.024
Iy (in^4)	Moment of inertia about the y-axis	0.0203
Ry (in)	Radius of gyration about the y-axis	0.4465
EFFECTIVE PROPERTIES		
Area (in^2)	Effective area	0.0568
Ixe (in^3)	Effective moment of inertia (x-axis)	0.0870
Sxe (in^3)	Effective section modulus (x-axis)	0.0616
Ma (in-k)	Allowable moment capacity	1.6946
Vy (lb)	Allowable shear force in web	244
TORSIONAL PROPERTIES		
J x 1000 (in^4)	St. Venant torsional constant	0.0120
Cw (in^6)	Warping constant	0.0246
Xo (in)	Distance from shear center to centroid	0.9123
Ro (in)	Polar radius of gyration	1.4424
Beta	Torsional Flexural Constant	0.6000





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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