PRODUCT SUBMITTAL SHEET

For more information or questions, please contact
the technical department: technical@buysuperstud.com

400S125-18 (Standard Punch)

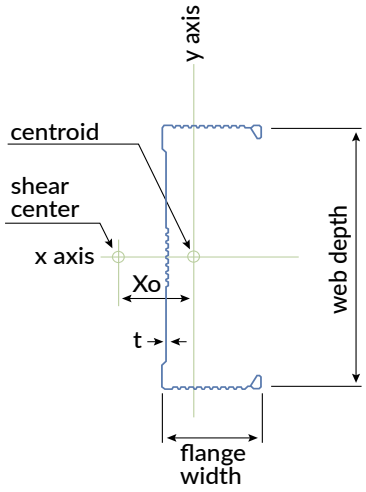
Product Line: 400EDS125-18- The Edge™ Performance 20 (18 mil)

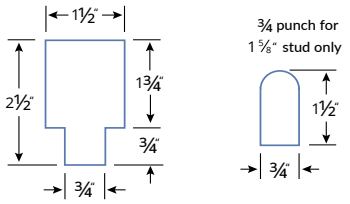
Coating: G40 (standard), G60 (special order)

Specification Section: 09.22.16 (Non-Structural Metal Framing)

GEOMETRIC PROPERTIES			
Web Depth	4 in.	Yield Strength, Fy	55 ksi
Flange Width	1.25 in.	Design Thickness	0.0188 in.
Lip Length	.350 in.	Min. Design Thickness	0.0179 in.

GROSS PROPERTIES		
Area (in²)	Total cross-sectional steel area	0.1284
Weight (lb/ft)	Linear weight per foot	0.437
Ix (in⁴)	Moment of inertia about the x-axis	0.3078
Sx (in³)	Section modulus about the x-axis	0.1539
Rx (in)	Radius of gyration about the x-axis	1.549
Iy (in⁴)	Moment of inertia about the y-axis	0.0219
Ry (in)	Radius of gyration about the y-axis	0.4133
EFFECTIVE PROPERTIES		
Area (in²)	Effective area	0.0602
Ixe (in³)	Effective moment of inertia (x-axis)	0.2492
Sxe (in³)	Effective section modulus (x-axis)	0.1068
Ma (in-k)	Allowable moment capacity	3.5188
Vy (lb)	Allowable shear force in web	156
TORSIONAL PROPERTIES		
J x 1000 (in⁴)	St. Venant torsional constant	0.0151
Cw (in⁶)	Warping constant	0.0668
Xo (in)	Distance from shear center to centroid	0.7303
Ro (in)	Polar radius of gyration	1.7612
Beta	Torsional Flexural Constant	0.8281





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 AND STANDARDS:

Super Stud products comply with the applicable provisions of the following:

- International Building Code (IBC): 2006 – 2024
- Complies with AISI S100-16 (2020) w/S2-20. Effective properties incorporate the strength increase from the cold work of forming
- Sheet steel: ASTM A1003/A1003M; ASTM A653/A653M
- Galvanized coating: ASTM A653/A653M or equivalent
- UL Designs: U419, V438, V489, V498, W433, W440
- Tested in accordance with ASTM E119; ANSI/UL 263
- Members and tolerances: ASTM C645; AISI S220, AISI S201, AISI S202
- Meets ASTM C754 when installed properly in structure

For LEED Letter requests please submit through: www.buysuperstud.com

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