

PRODUCT SUBMITTAL SHEET

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



800S162-43 (Standard Punch)

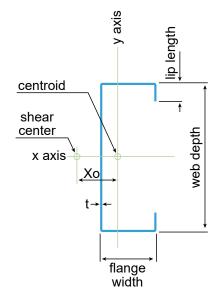
Product Description: 8" Stud 18GA (1-5/8" Flange, 43 mil)

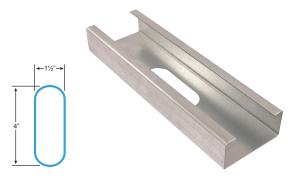
Coating: G60 (standard), G90 (special order)

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

GEOMETRIC PROPERTIES				
Web Depth	8 in.	Yield Strength, Fy	33 ksi	
Flange Width	1.625 in.	Design Thickness	0.0451 in.	
Lip Length	0.500 in.	Min. Steel Thickness	0.0428 in.	

GROSS PROPERTIES			
Area (in²)	Total cross-sectional steel area		
Weight (lb/ft)	Linear weight per foot	1.83	
lx (in ⁴)	Moment of inertia about the x-axis	4.635	
Sx (in³)	Section modulus about the x-axis	1.159	
Rx (in)	Radius of gyration about the x-axis	2.938	
ly (in ⁴)	Moment of inertia about the y-axis	0.160	
Ry (in)	Radius of gyration about the y-axis	0.546	
EFFECTIVE PROPERTIES			
Ix (in³)	Effective moment of inertia (x-axis)	4.505	
Sx (in³)	Effective section modulus (x-axis)	1.001	
Ma (in-k)	Allowable bending moment-effective section modulus	19.78	
Mad (in-k)	Allowable bending moment-distortional bucking	17.62	
Va _g (lb)	Allowable shear force in web	1051	
Va _{net} (lb)	Allowable strong axis sheer at punchout	1051	
TORSIONAL PROPERTIES			
J x 1000 (in ⁴)	St. Venant torsional constant	0.364	
Cw (in ⁶)	Warping constant	2.076	
Xo (in)	Distance from shear center to centroid	-0.926	
m (in)	Distance from shear center to mid-plane of web	0.601	
Ro (in)	Polar radius of gyration	3.128	
Beta	Torsional Flexural Constant	0.912	





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
- AISI S100-16 (2020) w/S2-20 (effective properties include cold-work strength increase)
- Sheet Steel: ASTM A1003/A1003M; ASTM A653/A653M
- Galvanized Coating: ASTM A653/A653M

Structural Members:

- ASTM C955; AISI S240
- Installed per ASTM C1007

Additional Standards:

• AISI S201; AISI S202

3rd Party Certification

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