Super Stud Building Products - Product Submittal
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Hattiesburg, MS 39401
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Specification Section: 05.40.00 (Cold-Formed Metal Framing)

362S162-43 (33ksi) Standard Punch

43mil (18 ga) Coating: G60 (standard), G90 (special order)

Geometric Properties

Web Depth	3.625 in	Yield Strength, F_y	33 ksi
Flange Width	1.625 in	Ultimate, F_u	45 ksi
Lip Length	0.500 in	Punchout Width	1.5 in
Design Thickness	0.0451 in	Punchout Length	4.0 in
Min. Steel Thickness	0.0428 in		

Gross Section Properties

Cross Sectional Area (A)	0.3398 in^2
Product Weight per Linear Foot	1.1553 lb/ft
Moment of Inertia (I_x)	0.7099 in^4
Section Modulus (S_x)	0.3917 in^3
Radius of Gyration (r_x)	1.4455 in
Weak Axis Moment of Inertia (I_y)	0.1269 in^4
Weak Axis Radius of Gyration (r_y)	0.6111 in
Depth-to-Thickness Ratio (h/t)	75

Effective Section Properties, Strong Axis

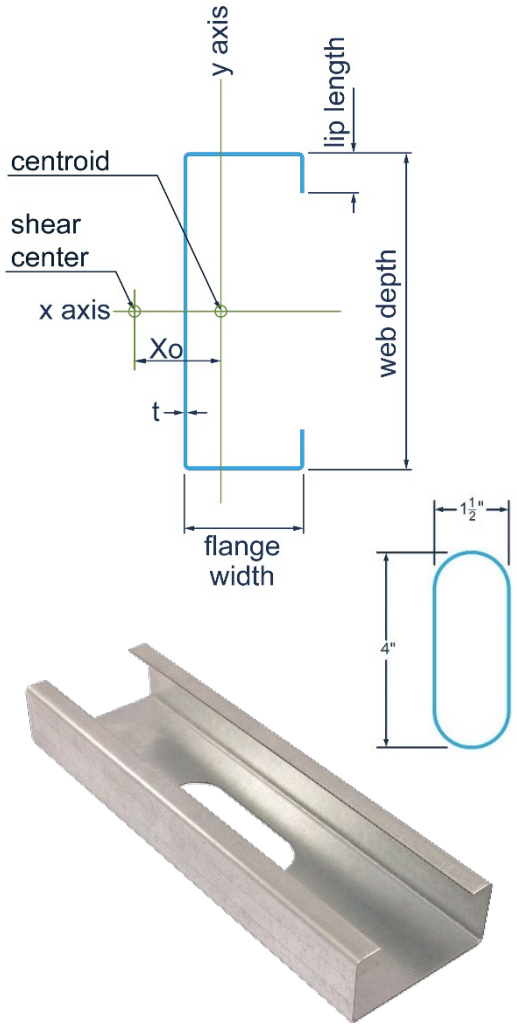
Effective Area (A_e)	0.2478 in^2
Moment of Inertia for Deflection (I_{xe})	0.6932 in^4
Section Modulus (S_{xe})	0.3787 in^3
Allowable Bending Moment (M_a)	8.0736 in-k
Allowable Shear Force in Web (at Punchout) (V_y)	676 lb

Torsional Properties

St. Venant Torsion Constant (J x 1000)	0.2304 in^4
Warping Constant (C_w)	0.3598 in^6
Distance from Shear Center to Neutral Axis (X_o)	1.2948 in
Radius of Gyration (r_o)	2.0346 in
Torsional Flexural Constant (Beta)	0.5950

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
Nonstructural: Members and tolerances: ASTM C645; AISI S220, AISI S201, AISI S202
Meets ASTM C754 when installed properly in structure.
Structural: Members and tolerances: ASTM C955; AISI S240, AISI S201, AISI S202
Meets ASTM C1007 when installed properly in structure.
3rd party Certification



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.

Custom stiffened punchouts are available at tighter spacing to reduce thermal transmittance and increase accessibility. Contact Technical Services for additional punchout information.

SFIA MEMBER

Sustainability

For LEED letters contact Technical Services at technical@buysuperstud.com or visit