

Product Category: 600S350-97

Product Name: 6" Stud

Physical Properties

Web Depth (in)	6.000	Gauge	12
Flange Width (in)	3.500	Mils	97
Return Lip (in)	1.000	Design Thickness (in)	0.1017
Standard Coating	CP60	Minimum Thickness (in)	0.0966
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	4.930	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.449 in ²
Moment of Inertia (Ix)	8.631 in ⁴
Radius of Gyration (Rx)	2.441 in
Gross Moment of Inertia (Iy)	2.518 in ⁴
Gross Radius of Gyration (Ry)	1.318 in

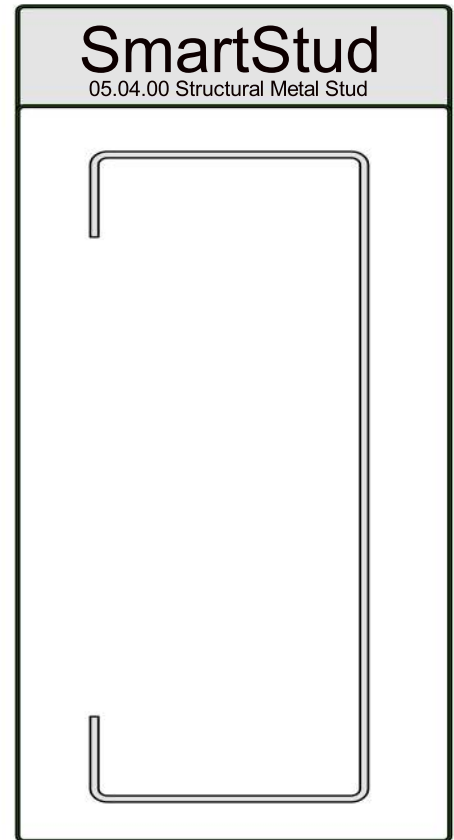
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	8.631 in ⁴
Section Modulus (Sxe)	2.593 in ³
Allowable Bending Moment (Ma)	77.64 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	4.994 in ⁴
Warping Constant (Cw)	21.811 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.979 in
Radii of Gyration (Ro)	4.071 in
Torsional Flexural Constant (Beta)	0.464

*By request



MANUFACTURING Codes & Standards

- NASPEC AISI S10007 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C955
- For installation & storage, refer to ASTM C1007 & C754

GREEN Benefits & Recycled Content:

- LEED Credit MR 2 - Construction Waste Mgmt - 1-2 Points
- LEED Credit MR 4 - Recycled Credit - 1-2 Points
- LEED Credit MR 5 - Regional Materials - 1-2 Points
- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%