

Product Name: 12" Stud
Description: 1200S300-97

Physical Properties

Web Depth (in)	12.00	Gauge	12
Flange Width (in)	3.000	Mils	97
Return Lip (in)	0.625	Design Thickness (in)	0.1017
Standard Coating	CP60	Minimum Thickness (in)	0.0966
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	6.400	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.881 in ²
Moment of Inertia (Ix)	37.616 in ⁴
Radius of Gyration (Rx)	4.472 in
Gross Moment of Inertia (Iy)	1.786 in ⁴
Gross Radius of Gyration (Ry)	0.974 in

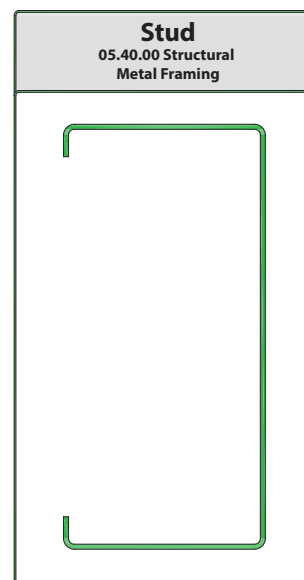
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	37.085 in ⁴
Section Modulus (Sxe)	5.831 in ³
Allowable Bending Moment (Ma)	174.57 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	6.484 in ⁴
Warping Constant (Cw)	50.853 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.691 in
Radii of Gyration (Ro)	4.88 in
Torsional Flexural Constant (Beta)	0.88

*By request



MANUFACTURING Codes & Standards

NASPEC AISI S100-07 IBC 2009 2012 Compliant
 Coated in accordance to ASTM A1003 & A653
 Meets or exceeds ASTM C955 & AISI S200
 Code Evaluation Report ICC-ESR #3957

GREEN Benefits & LEED Data:

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
 CRACO products are 100% recyclable
 Contact Technical Services for more information