

Product Name: 10" Stud
Description: 1000S250-97

Physical Properties

Web Depth (in)	10.00	Gauge	12
Flange Width (in)	2.500	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)	5.360	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.576 in ²
Moment of Inertia (Ix)	21.827 in ⁴
Radius of Gyration (Rx)	3.722 in
Gross Moment of Inertia (Iy)	1.072 in ⁴
Gross Radius of Gyration (Ry)	0.825 in

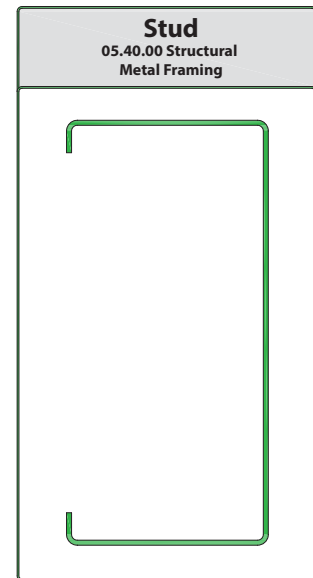
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	21.827 in ⁴
Section Modulus (Sxe)	4.181 in ³
Allowable Bending Moment (Ma)	140.63 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	5.433 in ⁴
Warping Constant (Cw)	21.632 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.454 in
Radii of Gyration (Ro)	4.080 in
Torsional Flexural Constant (Beta)	0.873

*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