

Product Name: 8" Stud
Description: 800S250-97

Physical Properties

Web Depth (in)	8.000	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)	4.670	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.372 in ²
Moment of Inertia (Ix)	12.789 in ⁴
Radius of Gyration (Rx)	3.053 in
Gross Moment of Inertia (Iy)	1.009 in ⁴
Gross Radius of Gyration (Ry)	0.857 in

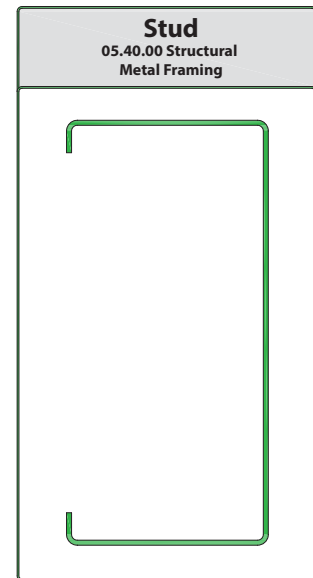
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	12.789 in ⁴
Section Modulus (Sxe)	3.054 in ³
Allowable Bending Moment (Ma)	102.7 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	4.731 in ⁴
Warping Constant (Cw)	13.091 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.607 in
Radii of Gyration (Ro)	3.555 in
Torsional Flexural Constant (Beta)	0.796

*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