

Product Name: 2-1/2" Stud
Description: 250S162-68

Physical Properties

Web Depth (in)	2.500	Gauge	14
Flange Width (in)	1.625	Mils	68
Return Lip (in)	0.500	Design Thickness (in)	0.0713
Standard Coating	CP60	Minimum Thickness (in)	0.0677
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	1.510	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.443 in ²
Moment of Inertia (Ix)	0.450 in ⁴
Radius of Gyration (Rx)	1.007 in
Gross Moment of Inertia (Iy)	0.162 in ⁴
Gross Radius of Gyration (Ry)	0.605 in

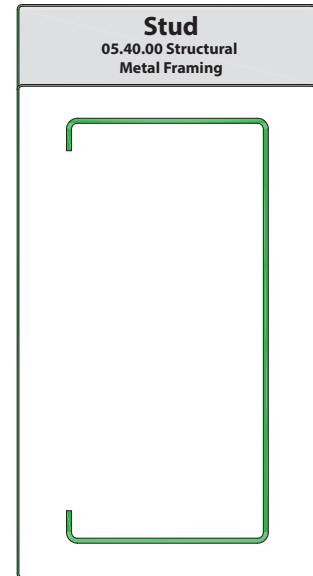
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.450 in ⁴
Section Modulus (Sxe)	0.357 in ³
Allowable Bending Moment (Ma)	12.11 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.752 in ⁴
Warping Constant (Cw)	0.268 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.424 in
Radii of Gyration (Ro)	1.846 in
Torsional Flexural Constant (Beta)	0.405

*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