

Product Name: 14" Stud
Description: 1400S300-54

Physical Properties

Web Depth (in)	14.00	Gauge	16
Flange Width (in)	3.000	Mils	54
Return Lip (in)	0.625	Design Thickness (in)	0.0566
Standard Coating	CP60	Minimum Thickness (in)	0.0538
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	4.010	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.179 in ²
Moment of Inertia (Ix)	31.453 in ⁴
Radius of Gyration (Rx)	5.165 in
Gross Moment of Inertia (Iy)	1.115 in ⁴
Gross Radius of Gyration (Ry)	0.972 in

Effective Section Properties

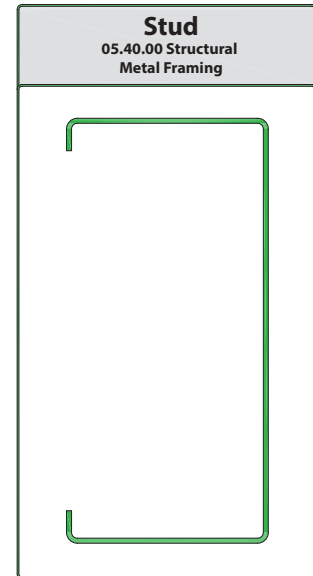
Moment of Inertia for Deflection (Ixe)	27.227 in ⁴
Section Modulus (Sxe)	2.580 in ³
Allowable Bending Moment (Ma)	77.25 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.259 in ⁴
Warping Constant (Cw)	42.690 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.617 in
Radii of Gyration (Ro)	5.499 in
Torsional Flexural Constant (Beta)	0.914

This section does not meet the requirements of AISI. Advised to increase the thickness.

*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