

Product Name: 4" Stud
Description: 400S300-54

Physical Properties

Web Depth (in)	4.000	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)	2.090	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.613 in ²
Moment of Inertia (Ix)	1.732 in ⁴
Radius of Gyration (Rx)	1.681 in
Gross Moment of Inertia (Iy)	0.76 in ⁴
Gross Radius of Gyration (Ry)	1.114 in

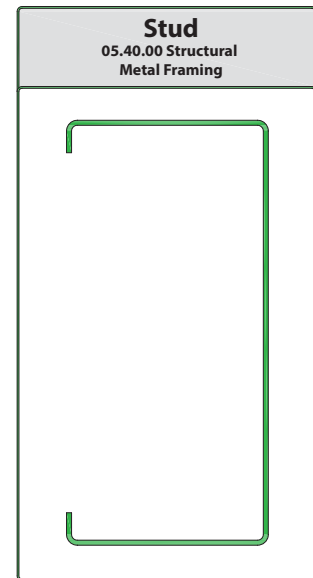
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	1.637 in ⁴
Section Modulus (Sxe)	0.592 in ³
Allowable Bending Moment (Ma)	17.72 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.655 in ⁴
Warping Constant (Cw)	2.802 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.594 in
Radii of Gyration (Ro)	3.285 in
Torsional Flexural Constant (Beta)	0.377

*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