

Product Name: 12" Stud
Description: 1200S162-54

Physical Properties

Web Depth (in)	12.00	Gauge	16
Flange Width (in)	1.625	Mils	54
Return Lip (in)	0.500	Design Thickness (in)	0.0566
Standard Coating	CP60	Minimum Thickness (in)	0.0538
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	3.050	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.896 in ²
Moment of Inertia (Ix)	15.73 in ⁴
Radius of Gyration (Rx)	4.190 in
Gross Moment of Inertia (Iy)	0.212 in ⁴
Gross Radius of Gyration (Ry)	0.486 in

Effective Section Properties

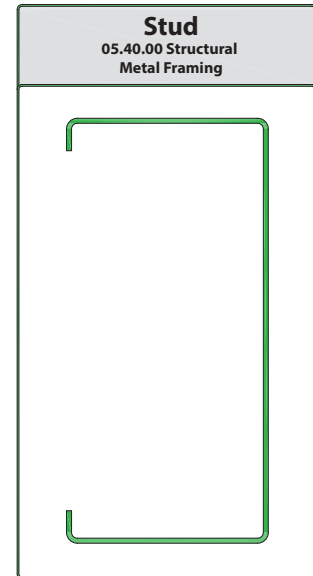
Moment of Inertia for Deflection (Ixe)	14.298 in ⁴
Section Modulus (Sxe)	19.140 in ³
Allowable Bending Moment (Ma)	57.310 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.957 in ⁴
Warping Constant (Cw)	6.340 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-0.732 in
Radii of Gyration (Ro)	4.281 in
Torsional Flexural Constant (Beta)	0.971

Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

*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