

Product Name: 8" Stud
Description: 800S250-54

Physical Properties

Web Depth (in)	8.000	Gauge	16
Flange Width (in)	2.500	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)	2.660	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.783 in ²
Moment of Inertia (Ix)	7.465 in ⁴
Radius of Gyration (Rx)	3.088 in
Gross Moment of Inertia (Iy)	0.614 in ⁴
Gross Radius of Gyration (Ry)	0.886 in

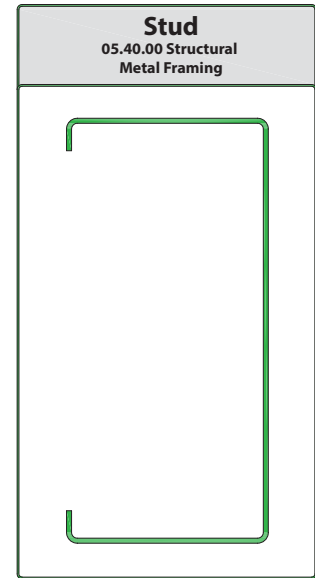
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	7.465 in ⁴
Section Modulus (Sxe)	1.712 in ³
Allowable Bending Moment (Ma)	33.82 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.836 in ⁴
Warping Constant (Cw)	7.850 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.661 in
Radii of Gyration (Ro)	3.617 in
Torsional Flexural Constant (Beta)	0.789

*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