

Product Name: 2-1/2" Stud
Description: 250S137-43

Physical Properties

Web Depth (in)	2.500	Gauge	18
Flange Width (in)	1.375	Mils	43
Return Lip (in)	0.375	Design Thickness (in)	0.0451
Standard Coating	CP60	Minimum Thickness (in)	0.0428
Available Coating *	CP90	Yield Stress Fy (ksi)	33
Weight (lb/ft)	0.870	Ultimate, Fu (ksi)	45

Section Properties

Cross Sectional Area (A)	0.255 in ²
Moment of Inertia (Ix)	0.261 in ⁴
Radius of Gyration (Rx)	1.010 in
Gross Moment of Inertia (Iy)	0.067 in ⁴
Gross Radius of Gyration (Ry)	0.511 in

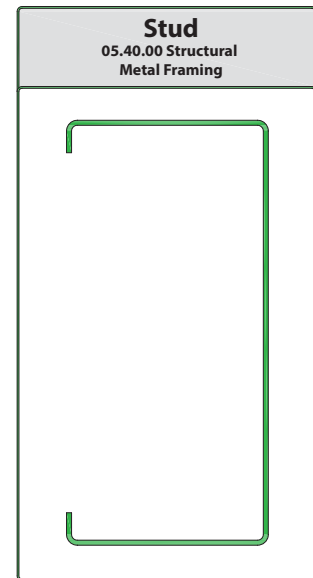
Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.261 in ⁴
Section Modulus (Sxe)	0.205 in ³
Allowable Bending Moment (Ma)	4.530 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.173 in ⁴
Warping Constant (Cw)	0.096 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.129 in
Radii of Gyration (Ro)	1.599 in
Torsional Flexural Constant (Beta)	0.501

*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