

Product Name: 2-1/2" Stud
Description: 250S162-54

Physical Properties

Web Depth (in)	2.500	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)	1.220	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.358 in ²
Moment of Inertia (Ix)	0.370 in ⁴
Radius of Gyration (Rx)	1.016 in
Gross Moment of Inertia (Iy)	0.135 in ⁴
Gross Radius of Gyration (Ry)	0.613 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.370 in ⁴
Section Modulus (Sxe)	0.284 in ³
Allowable Bending Moment (Ma)	9.420 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.383 in ⁴
Warping Constant (Cw)	0.223 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.443 in
Radii of Gyration (Ro)	1.868 in
Torsional Flexural Constant (Beta)	0.403

*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