

Product Name: 2-1/2" Stud
Description: 250S137-33

Physical Properties

Web Depth (in)	2.500	Gauge	20
Flange Width (in)	1.375	Mils	33
Return Lip (in)	0.375	Design Thickness (in)	0.0346
Standard Coating	CP60	Minimum Thickness (in)	0.0329
Available Coating *	CP90	Yield Stress Fy (ksi)	33
Weight (lb/ft)	0.670	Ultimate, Fu (ksi)	45

Section Properties

Cross Sectional Area (A)	0.197 in ²
Moment of Inertia (Ix)	0.203 in ⁴
Radius of Gyration (Rx)	1.015 in
Gross Moment of Inertia (Iy)	0.052 in ⁴
Gross Radius of Gyration (Ry)	0.515 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.203 in ⁴
Section Modulus (Sxe)	0.158 in ³
Allowable Bending Moment (Ma)	3.110 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.079 in ⁴
Warping Constant (Cw)	0.076 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.141 in
Radii of Gyration (Ro)	1.612 in
Torsional Flexural Constant (Beta)	0.499

*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