

Product Name: 2-1/2" Stud
Description: 250S162-43

Physical Properties

Web Depth (in)	2.500	Gauge	18
Flange Width (in)	1.625	Mils	43
Return Lip (in)	0.500	Design Thickness (in)	0.0451
Standard Coating	CP60	Minimum Thickness (in)	0.0428
Available Coating *	CP90	Yield Stress Fy (ksi)	33
Weight (lb/ft)	0.980	Ultimate, Fu (ksi)	45

Section Properties

Cross Sectional Area (A)	0.289 in ²
Moment of Inertia (Ix)	0.302 in ⁴
Radius of Gyration (Rx)	1.022 in
Gross Moment of Inertia (Iy)	0.111 in ⁴
Gross Radius of Gyration (Ry)	0.620 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	0.302 in ⁴
Section Modulus (Sxe)	0.240 in ³
Allowable Bending Moment (Ma)	5.220 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.196 in ⁴
Warping Constant (Cw)	0.184 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.457 in
Radii of Gyration (Ro)	1.885 in
Torsional Flexural Constant (Beta)	0.402

*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