

Product Name: 8" Stud
Description: 800S300-68

Physical Properties

Web Depth (in)	8.000	Gauge	14
Flange Width (in)	3.000	Mils	68
Return Lip (in)	0.625	Design Thickness (in)	0.0713
Standard Coating	CP60	Minimum Thickness (in)	0.0677
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	3.570	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.050 in ²
Moment of Inertia (Ix)	10.382 in ⁴
Radius of Gyration (Rx)	3.145 in
Gross Moment of Inertia (Iy)	1.179 in ⁴
Gross Radius of Gyration (Ry)	1.060 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	10.082 in ⁴
Section Modulus (Sxe)	2.145 in ³
Allowable Bending Moment (Ma)	64.21 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.779 in ⁴
Warping Constant (Cw)	14.888 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.055 in
Radii of Gyration (Ro)	3.903 in
Torsional Flexural Constant (Beta)	0.723

*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