

Product Name: 8" Stud
Description: 800S350-68

Physical Properties

Web Depth (in)	8.000	Gauge	14
Flange Width (in)	3.500	Mils	68
Return Lip (in)	1.000	Design Thickness (in)	0.0713
Standard Coating	CP60	Minimum Thickness (in)	0.0677
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	4.000	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.174 in ²
Moment of Inertia (Ix)	12.046 in ⁴
Radius of Gyration (Rx)	3.203 in
Gross Moment of Inertia (Iy)	2.034 in ⁴
Gross Radius of Gyration (Ry)	1.316 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	11.909 in ⁴
Section Modulus (Sxe)	2.596 in ³
Allowable Bending Moment (Ma)	77.73 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.990 in ⁴
Warping Constant (Cw)	28.308 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.748 in
Radii of Gyration (Ro)	4.421 in
Torsional Flexural Constant (Beta)	0.614

*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