

Product Name: 4" Stud
Description: 400S300-68

Physical Properties

Web Depth (in)	4.000	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)	2.600	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.764 in ²
Moment of Inertia (Ix)	2.139 in ⁴
Radius of Gyration (Rx)	1.673 in
Gross Moment of Inertia (Iy)	0.933 in ⁴
Gross Radius of Gyration (Ry)	1.105 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	2.099 in ⁴
Section Modulus (Sxe)	0.805 in ³
Allowable Bending Moment (Ma)	24.09 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.295 in ⁴
Warping Constant (Cw)	3.432 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-2.574 in
Radii of Gyration (Ro)	3.263 in
Torsional Flexural Constant (Beta)	0.378

*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