

Product Name: 4" Stud
Description: 400S200-68

Physical Properties

Web Depth (in)	4.000	Gauge	14
Flange Width (in)	2.000	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)	2.120	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	0.622 in ²
Moment of Inertia (Ix)	1.589 in ⁴
Radius of Gyration (Rx)	1.599 in
Gross Moment of Inertia (Iy)	0.349 in ⁴
Gross Radius of Gyration (Ry)	0.750 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	1.589 in ⁴
Section Modulus (Sxe)	0.751 in ³
Allowable Bending Moment (Ma)	22.48 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.054 in ⁴
Warping Constant (Cw)	1.318 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.643 in
Radii of Gyration (Ro)	2.412 in
Torsional Flexural Constant (Beta)	0.536

*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