

Product Name: 12" Stud
Description: 1200S250-97

Physical Properties

Web Depth (in)	12.00	Gauge	12
Flange Width (in)	2.500	Mils	97
Return Lip (in)	0.625	Design Thickness (in)	0.1017
Standard Coating	CP60	Minimum Thickness (in)	0.0966
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	6.050	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.779 in ²
Moment of Inertia (Ix)	34.016 in ⁴
Radius of Gyration (Rx)	4.373 in
Gross Moment of Inertia (Iy)	1.121 in ⁴
Gross Radius of Gyration (Ry)	0.794 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	33.835 in ⁴
Section Modulus (Sxe)	5.037 in ³
Allowable Bending Moment (Ma)	150.82 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	6.134 in ⁴
Warping Constant (Cw)	32.734 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-1.329 in
Radii of Gyration (Ro)	4.639 in
Torsional Flexural Constant (Beta)	0.918

*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