

Product Name: 8" Stud
Description: 800S162-97

Physical Properties

Web Depth (in)	8.000	Gauge	12
Flange Width (in)	1.625	Mils	97
Return Lip (in)	0.500	Design Thickness (in)	0.1017
Standard Coating	CP60	Minimum Thickness (in)	0.0966
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	3.980	Ultimate, Fu (ksi)	65

Section Properties

Cross Sectional Area (A)	1.169 in ²
Moment of Inertia (Ix)	9.713 in ⁴
Radius of Gyration (Rx)	2.883 in
Gross Moment of Inertia (Iy)	0.305 in ⁴
Gross Radius of Gyration (Ry)	0.510 in

Effective Section Properties

Moment of Inertia for Deflection (Ixe)	9.713 in ⁴
Section Modulus (Sxe)	2.428 in ³
Allowable Bending Moment (Ma)	72.700 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	4.030 in ⁴
Warping Constant (Cw)	4.114 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-0.866 in
Radii of Gyration (Ro)	3.053 in
Torsional Flexural Constant (Beta)	0.919

*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