

Product Name: 10" Stud
Description: 1000S162-43

Physical Properties

Web Depth (in)	10.00	Gauge	18
Flange Width (in)	1.625	Mils	43
Return Lip (in)	0.500	Design Thickness (in)	0.0451
Standard Coating	CP60	Minimum Thickness (in)	0.0428
Available Coating *	CP90	Yield Stress Fy (ksi)	33
Weight (lb/ft)	2.130	Ultimate, Fu (ksi)	45

Section Properties

Cross Sectional Area (A)	0.627 in ²
Moment of Inertia (Ix)	8.025 in ⁴
Radius of Gyration (Rx)	3.577 in
Gross Moment of Inertia (Iy)	0.168 in ⁴
Gross Radius of Gyration (Ry)	0.518 in

Effective Section Properties

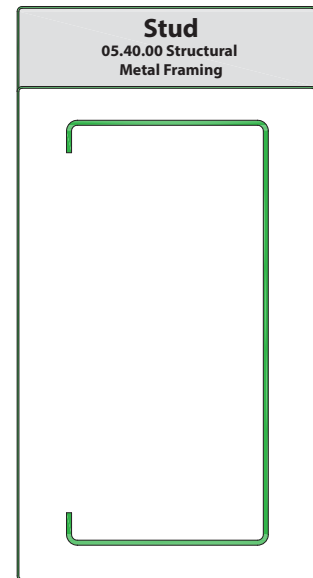
Moment of Inertia for Deflection (Ixe)	7.523 in ⁴
Section Modulus (Sxe)	1.302 in ³
Allowable Bending Moment (Ma)	25.74 in-k

Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.425 in ⁴
Warping Constant (Cw)	3.430 in ⁶
Distance from Shear Center to Neutral Axis (Xo)	-0.823 in
Radii of Gyration (Ro)	3.707 in
Torsional Flexural Constant (Beta)	0.951

Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

*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