

**Product Name:** 6" Stud  
**Description:** 600S300-97

### Physical Properties

Web Depth (in)	6.000	Gauge	12
Flange Width (in)	3.000	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)	4.320	Ultimate, Fu (ksi)	65

### Section Properties

Cross Sectional Area (A)	1.271 in <sup>2</sup>
Moment of Inertia (Ix)	7.381 in <sup>4</sup>
Radius of Gyration (Rx)	2.410 in
Gross Moment of Inertia (Iy)	1.454 in <sup>4</sup>
Gross Radius of Gyration (Ry)	1.070 in

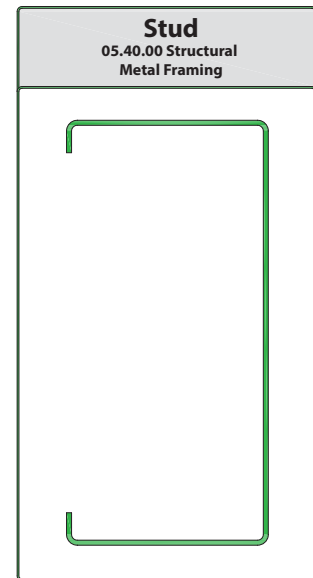
### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	7.280 in <sup>4</sup>
Section Modulus (Sxe)	2.247 in <sup>3</sup>
Allowable Bending Moment (Ma)	67.280 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	4.381 in <sup>4</sup>
Warping Constant (Cw)	10.776 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-2.241 in
Radii of Gyration (Ro)	3.461 in
Torsional Flexural Constant (Beta)	0.581

\*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