

**Product Name:** 6" Stud  
**Description:** 600S200-54

### Physical Properties

Web Depth (in)	6.00	Gauge	16
Flange Width (in)	2.000	Mils	54
Return Lip (in)	0.625	Design Thickness (in)	0.0566
Standard Coating	CP60	Minimum Thickness (in)	0.0538
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	2.090	Ultimate, Fu (ksi)	65

### Section Properties

Cross Sectional Area (A)	0.613 in <sup>2</sup>
Moment of Inertia (Ix)	3.319 in <sup>4</sup>
Radius of Gyration (Rx)	2.327 in
Gross Moment of Inertia (Iy)	0.328 in <sup>4</sup>
Gross Radius of Gyration (Ry)	0.732 in

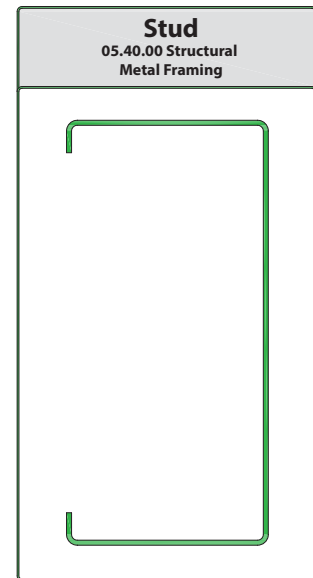
### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	3.319 in <sup>4</sup>
Section Modulus (Sxe)	1.015 in <sup>3</sup>
Allowable Bending Moment (Ma)	30.400 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	0.655 in <sup>4</sup>
Warping Constant (Cw)	2.493 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-1.432 in
Radii of Gyration (Ro)	2.829 in
Torsional Flexural Constant (Beta)	0.744

\*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