

**Product Name:** 14" Stud  
**Description:** 1400S350-68

### Physical Properties

Web Depth (in)	14.00	Gauge	14
Flange Width (in)	3.500	Mils	68
Return Lip (in)	1.000	Design Thickness (in)	0.0713
Standard Coating	CP60	Minimum Thickness (in)	0.0677
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	5.450	Ultimate, Fu (ksi)	65

### Section Properties

Cross Sectional Area (A)	1.602 in <sup>2</sup>
Moment of Inertia (Ix)	44.707 in <sup>4</sup>
Radius of Gyration (Rx)	5.283 in
Gross Moment of Inertia (Iy)	2.406 in <sup>4</sup>
Gross Radius of Gyration (Ry)	1.226 in

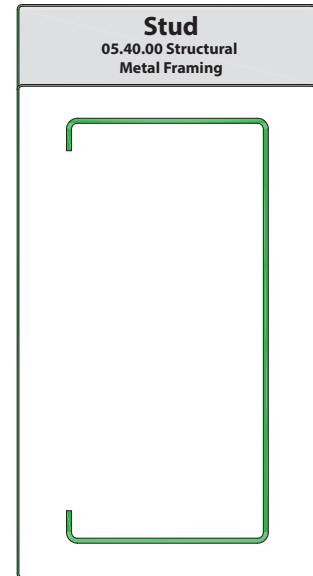
### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	44.707 in <sup>4</sup>
Section Modulus (Sxe)	4.709 in <sup>3</sup>
Allowable Bending Moment (Ma)	141.000 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	2.715 in <sup>4</sup>
Warping Constant (Cw)	94.534 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-2.190 in
Radii of Gyration (Ro)	5.848 in
Torsional Flexural Constant (Beta)	0.860

\*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