

**Product Name:** 12" Stud  
**Description:** 1200S162-68

### Physical Properties

Web Depth (in)	12.00	Gauge	14
Flange Width (in)	1.625	Mils	68
Return Lip (in)	0.500	Design Thickness (in)	0.0713
Standard Coating	CP60	Minimum Thickness (in)	0.0677
Available Coating *	CP90	Yield Stress Fy (ksi)	50
Weight (lb/ft)	3.810	Ultimate, Fu (ksi)	65

### Section Properties

Cross Sectional Area (A)	1.121 in <sup>2</sup>
Moment of Inertia (Ix)	19.518 in <sup>4</sup>
Radius of Gyration (Rx)	4.173 in
Gross Moment of Inertia (Iy)	0.255 in <sup>4</sup>
Gross Radius of Gyration (Ry)	0.477 in

### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	18.39 in <sup>4</sup>
Section Modulus (Sxe)	2.645 in <sup>3</sup>
Allowable Bending Moment (Ma)	79.190 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.899 in <sup>4</sup>
Warping Constant (Cw)	7.739 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-0.719 in
Radii of Gyration (Ro)	4.261 in
Torsional Flexural Constant (Beta)	0.972

\*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