

**Product Name:** 10" Stud  
**Description:** 1000S162-68

### Physical Properties

Web Depth (in)	10.00	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)	3.330	Ultimate, Fu (ksi)	65

### Section Properties

Cross Sectional Area (A)	0.978 in <sup>2</sup>
Moment of Inertia (Ix)	12.325 in <sup>4</sup>
Radius of Gyration (Rx)	3.550 in
Gross Moment of Inertia (Iy)	0.246 in <sup>4</sup>
Gross Radius of Gyration (Ry)	0.502 in

### Effective Section Properties

Moment of Inertia for Deflection (Ixe)	11.978 in <sup>4</sup>
Section Modulus (Sxe)	2.154 in <sup>3</sup>
Allowable Bending Moment (Ma)	64.510 in-k

### Torsional Properties

St. Venant Torsion Constant (Jx1000)	1.658 in <sup>4</sup>
Warping Constant (Cw)	2.121 in <sup>6</sup>
Distance from Shear Center to Neutral Axis (Xo)	-0.798 in
Radii of Gyration (Ro)	3.673 in
Torsional Flexural Constant (Beta)	0.953

\*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