Product Category: 600S162-33
Product Name: 6" Stud

Physical Properties
Web Depth (in) 6.000  Gauge 20
Flange Width (in) 1.625  Mils 33
Return Lip (in) 0.500  Design Thickness (in) 0.0346
Standard Coating CP60  Minimum Thickness (in) 0.0329
Available Coating * CP90  Yield Stress Fy (ksi) 33
Weight (lb/ft) 1.170  Ultimate, Fu (ksi) 45

Section Properties
Cross Sectional Area (A) 0.344 in²
Moment of Inertia (Ix) 1.793 in⁴
Radius of Gyration (Rx) 2.282 in
Gross Moment of Inertia (Iy) 0.116 in⁴
Gross Radius of Gyration (Ry) 0.581 in

Effective Section Properties
Moment of Inertia for Deflection (Ixe) 1.793 in⁴
Section Modulus (Sxe) 0.577 in³
Allowable Bending Moment (Ma) 11.41 in-k

Torsional Properties
St. Venant Torsion Constant (Jx1000) 0.137 in⁴
Warping Constant (Cw) 0.861 in⁶
Distance from Shear Center to Neutral Axis (Xo) -1.072 in
Radii of Gyration (Ro) 2.587 in
Torsional Flexural Constant (Beta) 0.828

*By request

MANUFACTURING Codes & Standards
- NASPEC AISI S10007 IBC 2009 2012 Compliant
- Coated in accordance to ASTM A1003 & A653
- Meets or exceeds ASTM C955
- For installation & storage, refer to ASTM C1007 & C754

GREEN Benefits & Recycled Content:
- 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
- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%