

Product Submittal Sheet

Engineering Services: 732-662-6217 Technical Support: 732-662-6220

Sales: 732-662-6200

Super Stud Building Products, Inc. 2960 Woodbridge Ave Edison, NJ 08837 buysuperstud.com

Super Joist [SJ]

Product Name: 1800SJ350-118

Material and Shape Property Notes:

Design Thickness: 0.1242" Minimum Thickness: 0.1180"

Mil Thickness: 118 mils **Gauge**10 Flange Width 3.5" Web Depth...... 18.0" Stiffening Lip Lengths: 1"

Corrosion Protection: G60 (standard) G90 (available) Yield Strength: 50 kips per square inch (KSI) minimum

Product Application & Attributes:

Large stiffened punchouts in joist members provide industry-best accessibility along the length of the web, accommodating all trade installations. In addition to the large reinforced punchouts, SuperMAXX Joists have flanges with double returns for superior strength and stiffness that dramatically increase spans and capacities.

Section Properties:

Gross Section Properties:

Cross Section Area (A): 3.239 in² Member Weight 10.41 pounds per foot Moment of Inertia, strong axis (Ix) 138.580 in⁴ Radius of Gyration, strong axis (r_x) 6.541 in. Moment of Inertia, weak axis (I_y) 4.1600 in⁴ Radius of Gyration, weak axis (r_v) 1.1330 in.

Effective Section Properties:

Effective Moment of Inertia (Ix eff) 122.800 in⁴ Effective Section Modulus (S_{x eff}) 13.650 in³ Allowable Moment (Ma) 408.68 inch-kips

Torsional Properties:

St. Venant Torsional Constant (J x 1000)	. 8.86 in ⁴
Warping Constant (Cw)	. 8.84 in ⁶
Polar Radius of Gyration (ro)	2.63 in
Distance of centroid from shear center (Xo)	. 8.84 in
Beta	. 0.9115

Codes & Standards:

Super Stud products comply with the applicable provisions of the following:

International Building Code (IBC) 2006 - 2018 Sheet Steel: ASTM A1003 and ASTM A653

Galvanized Coating: ASTM A653

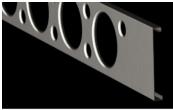
Members & Tolerances: ASTM C955 and AISI S240 Meets ASTM C1007 when installed properly in structure 3rd Party Certification: Manufacturing verified & inspected

by Home Innovation Research Labs, Inc.

SUPER-IDIST







Super Joist has a single flange return

Super Joist & SuperMAXX Hole Pattern: 8" - 18" Web Depth

Joist Member Hole Sizing & Spacing

Α	В	С	D	E
Section Web Depth (in.)	Large Hole Diameter (in.)	Large Hole Spacing (in. O.C.)	Small Hole Diameter (in.)	Min. Distance from end to center of First Large Hole (in.)
16	12.25	18	3.25	44
18	12.25	18	3.25	44

