

Product Category: structural metal stud framing: specification section 05 40 00
Available Coatings: G60 (standard), G90. **Yield Strength:** 50 ksi
Product Name: 8TW10 **AISI Nomenclature:** 800T200-118
Product Description: 8 inch deep 10 gauge stud/joist member with 2" flanges

Material and Shape Property Notes:

Thickness: Design: 0.1242" • Minimum: 0.1180" • Designation: 118 mil • Gauge: 10
Flange width: 2" • Web Depth: 8"

SECTION PROPERTIES

Gross Section Properties:

Cross Section Area (**A**): 1.487 in²
Member Weight: 5.056 pounds per foot
Moment of Inertia, strong axis (**I_x**): 13.79 in⁴
Radius of Gyration, strong axis (**R_x**): 3.045 in.
Moment of Inertia, weak axis (**I_y**): 0.457 in⁴
Radius of Gyration, weak axis (**R_y**): 0.554 in.



Effective Section Properties:

Effective Moment of Inertia (**I_{x eff}**): 13.214 in⁴
Effective Section Modulus (**S_{x eff}**): 3.066 in³
Allowable Moment (**M_a**): 91.78 inch-kips
For torsional properties, see our catalog at www.buysuperstud.com.

CODES & STANDARDS

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

International Building Code (IBC) 2006 - 2018
Sheet Steel: ASTM A1003 & ASTM A653
Galvanized Coating: ASTM A653
Members & Tolerances: ASTM C955
Meets ASTM C1007 when installed properly in structure

3rd Party Certification: Manufacturing verified & inspected
by Home Innovation Research Labs, Inc.

