

Product Category: structural metal stud framing: specification section 05 40 00
Available Coatings: G60 (standard), G90. **Yield Strength:** 50 ksi
Product Name: 6TH12 **AISI Nomenclature:** 600T300-97
Product Description: 6 inch deep 12 gauge track member with 3" flanges

Material and Shape Property Notes:

Thickness: Design: 0.1017" • Minimum: 0.0966" • Designation: 97 mil • Equivalent Gauge: 12
Flange width: 3" • Web Depth: 6"

SECTION PROPERTIES

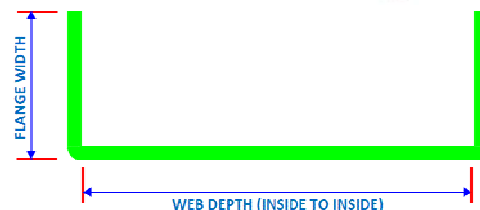
Gross Section Properties:

Cross Section Area (**A**): 1.2182 in²
Member Weight: 4.142 pounds per foot
Moment of Inertia, strong axis (**I_x**): 7.763 in⁴
Radius of Gyration, strong axis (**R_x**): 2.5245 in.
Moment of Inertia, weak axis (**I_y**): 1.097 in⁴
Radius of Gyration, weak axis (**R_y**): 0.9489 in.

Effective Section Properties:¹

Effective Moment of Inertia (**I_{x eff}**): 6.2024 in⁴
Effective Section Modulus (**S_{x eff}**): 1.7288 in³
Allowable Moment (**M_a**): 51.761 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 - 2015
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.



¹ Where "NC" appears, the effective properties have not been calculated, due to limits in the American Iron and Steel Institute (AISI) North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100.)

The Super Stud Building Products Family of Companies