

**Product Category:** Nonstructural Metal Stud Framing: **Specification Section:** 09 22 16  
**Available Coatings:** G40 (standard); or G60 or G90 **Yield Strength:** 33 ksi  
**Product Name:** 3-5/8 DW 30 mils TW 2 inch leg **AISI Nomenclature:** 362T200-30  
**Product Description:** 3-5/8 inch 20 gauge track member with 2 inch flanges

**Material and Shape Property Notes:**

Thickness: Design: 0.0312" • Minimum: 0.0296" • Designation: 30 mil • Equivalent Gauge: 20  
Flange width: 2" • Web Depth: 3-5/8"

**SECTION PROPERTIES**

**Gross Section Properties:**

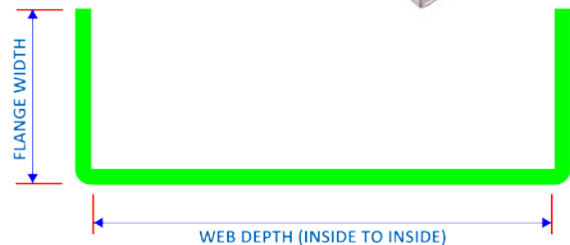
Cross Section Area (**A**): 0.2378 in<sup>2</sup>  
Member Weight: 0.8086 pounds per foot  
Moment of Inertia, strong axis (**I<sub>x</sub>**): 0.5582 in<sup>4</sup>  
Radius of Gyration, strong axis (**R<sub>x</sub>**): 1.5320 in.  
Moment of Inertia, weak axis (**I<sub>y</sub>**): 0.0990 in<sup>4</sup>  
Radius of Gyration, weak axis (**R<sub>y</sub>**): 0.6453 in.

**Effective Section Properties:**<sup>[1]</sup>

Effective Section Modulus (**S<sub>x,eff</sub>**): 0.16653 in<sup>3</sup>  
Allowable Bending Moment (**M<sub>a</sub>**): 2.7477 inch-kips  
Gross Allowable Shear (**V<sub>a</sub>**): 0.762 kips

**Torsional Properties:**

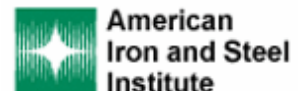
St. Venant Torsional Constant (**J** x 1000): 0.0772 in<sup>4</sup>  
Warping Constant (**C<sub>w</sub>**): 0.2374 in<sup>6</sup>  
Polar Radius of Gyration (**R<sub>o</sub>**): 2.0998 in  
Distance from shear center (**X<sub>o</sub>**): -1.2828 in  
Beta (**β**): 0.6268



**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 C645
- Meets ASTM C754 when installed properly in structure
- UL designs: U419, V438, V498
- 3<sup>rd</sup> 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).

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