

www.millsteelframing.com | 2905 Lucerne Dr. SE Grand Rapids, MI 49546 | (812) 670-4195

## Structural Track 800t300-97

Product Description 12 GA GALV 8.00" WEB X 3.00"

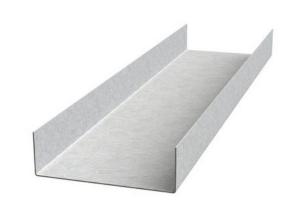
**FLANGE TRACK .097** 

MIN GAUGE

Coating G60

**Physical Properties** 

Design Thickness (in) 0.1017
Minimum Thickness (in) 0.0966
Web Width (in) 8
Flange Width (in) 3
Yield Strength (ksi) 50



| Gross Section Properties      |   |
|-------------------------------|---|
| Cross Sectional Area (A)      | _ |
| Weight of Member (lb/ft)      | _ |
| Section Modulus (Sx)          | _ |
| Moment of Inertia (lx)        | _ |
| Radius of Gyration (Rx)       | _ |
| Gross Moment of Inertia (ly)  | _ |
| Gross Radium of Gyration (Ry) | _ |

| <b>Effective Section Properties</b>    |   |
|--|---|
| Moment of Inertia for deflection (lxe) | _ |
| Section Modulus (Sxe)                  | _ |
| Allowable Bending moment (Ma)          | _ |
| Allowable shear force in web (U)(Vag)  | _ |

| Torsional Properties                            |   |
|---|---|
| St. Venant torsion constant (J x 1000)          | _ |
| Warping constant (Cw)                           | _ |
| Distance from shear center to neutral axis (Xo) | _ |
| Radii of gyration (Ro)                          | _ |
| Torsional flexural constant (Beta)              | _ |

## **ASTM & Code Standards**

- AISI S100-12 & ICC ES ESR-4062
- Framing meets ASTM A1003, A653 & C955

## Notes

- Calculated properties are based on AISI S100-16, North American Specification for Design of Cold-Formed Steel Structural Members.
- 2. The centerline bend radius is based on inside corner radii shown in thickness chart.
- 3. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A3.3.2.
- 4. Tabulated gross properties are based on full-unreduced cross section of the studs, away from punchouts.
- 5. For deflection calculations, use the effective moment of inertia.
- 6. Allowable moment includes cold-work of forming.
- 7. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

## Mill Steel Framing LEED Green Credits

MR Credit 2 MR Credit 4

- ConstructionWaste Management Mill Steel Framing steel framing is 100% recyclable
- WIR Credit 4 Recycle
- Recycled Content Mill Steel Framing products contain no less than 25.5% post-consumer and 6.8% pre-consumer recycled content

MR Credit 5 V4 MR Credits • Regional Materials - Mill Steel Framing has manufacturing facilities in Indiana, Alabama & Texas

**4 MR Credits** • Building Product Disclosure and Optimization EPD (1 point)

• Materials Ingredients (1 point) – Construction and Demolition Waste Management (1 point)

