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## Structural Track 362T150-97

Product Description 12 GA GALV 3.62" WEB X 1.50"

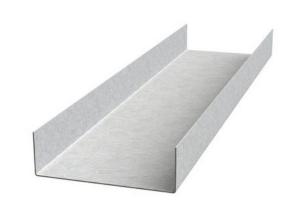
**FLANGE TRACK .097 MIN** 

**GAUGE** 

Coating G60

**Physical Properties** 

Design Thickness (in) 0.1017
Minimum Thickness (in) 0.0966
Web Width (in) 3.625
Flange Width (in) 1.5
Yield Strength (ksi) 50



| <b>Gross Section Properties</b> |       |
|---------------------------------|-------|
| Cross Sectional Area (A)        | 0.672 |
| Weight of Member (lb/ft)        | 2.28  |
| Section Modulus (Sx)            | 0.771 |
| Moment of Inertia (lx)          | 1.535 |
| Radius of Gyration (Rx)         | 1.512 |
| Gross Moment of Inertia (ly)    | 0.138 |
| Gross Radium of Gyration (Ry)   | 0.453 |

| Effective Section Properties           |       |
|--|-------|
| Moment of Inertia for deflection (lxe) | 1.535 |
| Section Modulus (Sxe)                  | 0.733 |
| Allowable Bending moment (Ma)          | 21.94 |
| Allowable shear force in web (U)(Vag)  | 6574  |

| Torsional Properties                            |        |
|---|--------|
| St. Venant torsion constant (J x 1000)          | 2.3152 |
| Warping constant (Cw)                           | 0.374  |
| Distance from shear center to neutral axis (Xo) | -0.82  |
| Radii of gyration (Ro)                          | 1.779  |
| Torsional flexural constant (Beta)              | 0.787  |

## **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
- Recycled Content Mill Steel Framing products contain no less than 25.5% post-consumer and 6.8% pre-consumer recycled content

MR Credit 5

• Regional Materials - Mill Steel Framing has manufacturing facilities in Indiana, Alabama & Texas

**V4 MR Credits** • Building Product Disclosure and Optimization EPD (1 point)

· Materials Ingredients (1 point) - Construction and Demolition Waste Management (1 point)

