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Structural Track 600T150-33G90

Product Description 20 GA GALV 6.00" WEB x 1.50"

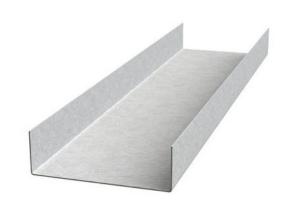
FLANGE TRACK .033 MIN

GAUGE G90

Coating G90

Physical Properties

Design Thickness (in)0.0346Minimum Thickness (in)0.0428Web Width (in)6Flange Width (in)1.5Yield Strength (ksi)33



| Gross Section Properties | |
|-------------------------------|-------|
| Cross Sectional Area (A) | 0.311 |
| Weight of Member (lb/ft) | 1.06 |
| Section Modulus (Sx) | 0.517 |
| Moment of Inertia (lx) | 1.59 |
| Radius of Gyration (Rx) | 2.26 |
| Gross Moment of Inertia (ly) | 0.057 |
| Gross Radium of Gyration (Ry) | 0.426 |

| Effective Section Properties | |
|--|-------|
| Moment of Inertia for deflection (lxe) | 1.335 |
| Section Modulus (Sxe) | 0.303 |
| Allowable Bending moment (Ma) | 5.99 |
| Allowable shear force in web (U)(Vag) | 622 |

| Torsional Properties | |
|---|--------|
| St. Venant torsion constant (J x 1000) | 0.1242 |
| Warping constant (Cw) | 0.39 |
| Distance from shear center to neutral axis (Xo) | -0.684 |
| Radii of gyration (Ro) | 2.4 |
| Torsional flexural constant (Beta) | 0.919 |

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)

