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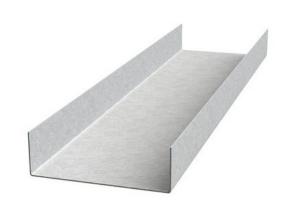
Structural Track 600T150-43

| Product Description | 18 GA GALV 6.00" WEB x 1.50" FLANGE TRACK .043 MIN GAUGE |
|--|--|
| Coating | G60 |
| Physical Properties Design Thickness (in) Minimum Thickness (in) Web Width (in) Flange Width (in) Yield Strength (ksi) | 0.0451 0.0428 6 1.5 33 |

| Gross Section Properties | |
|-------------------------------|-------|
| Cross Sectional Area (A) | 0.405 |
| Weight of Member (lb/ft) | 1.38 |
| Section Modulus (Sx) | 0.673 |
| Moment of Inertia (lx) | 2.073 |
| Radius of Gyration (Rx) | 2.261 |
| Gross Moment of Inertia (ly) | 0.073 |
| Gross Radium of Gyration (Ry) | 0.424 |

| Effective Section Properties | |
|--|-------|
| Moment of Inertia for deflection (lxe) | 1.89 |
| Section Modulus (Sxe) | 0.474 |
| Allowable Bending moment (Ma) | 9.36 |
| Allowable shear force in web (U)(Vag) | 1377 |

| Torsional Properties | |
|---|--------|
| St. Venant torsion constant (J x 1000) | 0.2749 |
| Warping constant (Cw) | 0.504 |
| Distance from shear center to neutral axis (Xo) | -0.68 |
| Radii of gyration (Ro) | 2.399 |
| Torsional flexural constant (Beta) | 0.92 |



ASTM & Code Standards

- AISI \$100-12 & 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 | ConstructionWaste Management – Mill Steel Framing steel framing is 100% recyclable |
|---------------|---|
| MR Credit 4 | 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) |

