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## Structural Track 800T150-54

Product Description 16 GA GALV 8.00" WEB x 1.50"

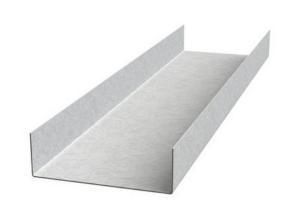
**FLANGE TRACK .054 MIN** 

**GAUGE** 

Coating G60

**Physical Properties** 

Design Thickness (in) 0.0566
Minimum Thickness (in) 0.0428
Web Width (in) 8
Flange Width (in) 1.5
Yield Strength (ksi) 50



Gross Section Properties	
Cross Sectional Area (A)	0.622
Weight of Member (lb/ft)	2.12
Section Modulus (Sx)	1.272
Moment of Inertia (lx)	5.216
Radius of Gyration (Rx)	2.896
Gross Moment of Inertia (ly)	0.096
Gross Radium of Gyration (Ry)	0.393

<b>Effective Section Properties</b>	
Moment of Inertia for deflection (lxe)	4.693
Section Modulus (Sxe)	0.844
Allowable Bending moment (Ma)	25.27
Allowable shear force in web (U)(Vag)	2039

Torsional Properties	
St. Venant torsion constant (J x 1000)	0.6641
Warping constant (Cw)	1.215
Distance from shear center to neutral axis (Xo)	-0.58
Radii of gyration (Ro)	2.98
Torsional flexural constant (Beta)	0.962

## **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

- 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)

