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1.50"

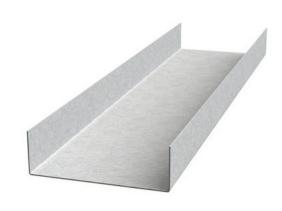
## Structural Track 250T150-33

Product Description	20 GA GALV 2.50" WEB X FLANGE TRACK .033 MIN GAUGE
Coating	G60
Physical Properties	
Design Thickness (in)	0.0346
Minimum Thickness (in)	0.0329
Web Width (in)	2.5
Flange Width (in)	1.5
Yield Strength (ksi)	33

Gross Section Properties	
Cross Sectional Area (A)	0.19
Weight of Member (lb/ft)	0.65
Section Modulus (Sx)	0.167
Moment of Inertia (lx)	0.221
Radius of Gyration (Rx)	1.079
Gross Moment of Inertia (ly)	0.045
Gross Radium of Gyration (Ry)	0.485

Effective Section Properties	
Moment of Inertia for deflection (lxe)	0.18
Section Modulus (Sxe)	0.107
Allowable Bending moment (Ma)	2.11
Allowable shear force in web (U)(Vag)	1024

Torsional Properties	
St. Venant torsion constant (J x 1000)	0.0759
Warping constant (Cw)	0.054
Distance from shear center to neutral axis (Xo)	-0.973
Radii of gyration (Ro)	1.532
Torsional flexural constant (Beta)	0.596



## **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	<ul> <li>ConstructionWaste Management – Mill Steel Framing steel framing is 100% recyclable</li> </ul>
MR Credit 4	<ul> <li>Recycled Content – Mill Steel Framing products contain no less than 25.5% post-consumer</li> </ul>
	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)

