www.millsteelframing.com | 2905 Lucerne Dr. SE Grand Rapids, MI 49546 | (812) 670-4195

Structural Track 1000T125-97G90

Product Description **12 GA GALV 10.00" WEB X 1.25" FLANGE TRACK .097 MIN GAUGE G-90**

Coating G90

Physical Properties

Design Thickness (in)	0.1017
Minimum Thickness (in)	0.0428
Web Width (in)	10
Flange Width (in)	1.25
Yield Strength (ksi)	50

Gross Section Properties	
Cross Sectional Area (A)	1.269
Weight of Member (lb/ft)	4.32
Section Modulus (Sx)	2.913
Moment of Inertia (Ix)	15.083
Radius of Gyration (Rx)	3.448
Gross Moment of Inertia (Iy)	0.1
Gross Radium of Gyration (Ry)	0.281

Effective Section Properties	
Moment of Inertia for deflection (Ixe)	15.077
Section Modulus (Sxe)	2.753
Allowable Bending moment (Ma)	82.42
Allowable shear force in web (U)(Vag)	9507

Torsional Properties	
St. Venant torsion constant (J x 1000)	4.3751
Warping constant (Cw)	2.123
Distance from shear center to neutral axis (Xo)	-0.363
Radii of gyration (Ro)	3.478
Torsional flexural constant (Beta)	0.989

ASTM & Code Standards

- AISI S100-12 & ICC ES ESR-4062
- Framing meets ASTM A1003, A653 & C955

Notes

1. 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)