

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

1000T200-68G90 **Structural Track**

Product Description 14 GA GALV 10.00" WEB x

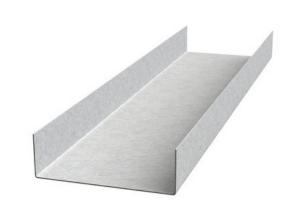
2.00" FLANGE TRACK .068

MIN GAUGE G90

Coating G90

Physical Properties

Design Thickness (in) 0.0713 Minimum Thickness (in) 0.0677 Web Width (in) 10 Flange Width (in) 2 Yield Strength (ksi) 50



Gross Section Properties	
Cross Sectional Area (A)	0.997
Weight of Member (lb/ft)	3.39
Section Modulus (Sx)	2.595
Moment of Inertia (lx)	13.296
Radius of Gyration (Rx)	3.652
Gross Moment of Inertia (ly)	0.284
Gross Radium of Gyration (Ry)	0.534

Effective Section Properties	
Moment of Inertia for deflection (lxe)	11.821
Section Modulus (Sxe)	1.684
Allowable Bending moment (Ma)	50.42
Allowable shear force in web (U)(Vag)	3261

Torsional Properties	
St. Venant torsion constant (J x 1000)	1.6896
Warping constant (Cw)	5.576
Distance from shear center to neutral axis (Xo)	-0.803
Radii of gyration (Ro)	3.777
Torsional flexural constant (Beta)	0.955

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.
- 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 V4 MR Credits · Regional Materials - Mill Steel Framing has manufacturing facilities in Indiana, Alabama & Texas

• Building Product Disclosure and Optimization EPD (1 point)

· Materials Ingredients (1 point) - Construction and Demolition Waste Management (1 point)

