

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

## Structural Track 600T200-68G90

Product Description 14 GA GALV 6.00" WEB x 2.00"

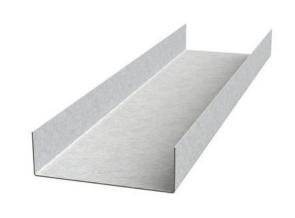
**FLANGE TRACK .068 MIN** 

**GAUGE G90** 

Coating G90

**Physical Properties** 

Design Thickness (in)0.0713Minimum Thickness (in)0.0428Web Width (in)6Flange Width (in)2Yield Strength (ksi)50



Gross Section Properties	
Cross Sectional Area (A)	0.712
Weight of Member (lb/ft)	2.42
Section Modulus (Sx)	1.277
Moment of Inertia (lx)	3.991
Radius of Gyration (Rx)	2.368
Gross Moment of Inertia (ly)	0.254
Gross Radium of Gyration (Ry)	0.597

Effective Section Properties	
Moment of Inertia for deflection (lxe)	3.54
Section Modulus (Sxe)	0.973
Allowable Bending moment (Ma)	29.12
Allowable shear force in web (U)(Vag)	5350

Torsional Properties	
St. Venant torsion constant (J x 1000)	1.2064
Warping constant (Cw)	1.746
Distance from shear center to neutral axis (Xo)	-1.031
Radii of gyration (Ro)	2.651
Torsional flexural constant (Beta)	0.849

## **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
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

• 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)

