

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

## **Structural Track** 600T200-43G90

**Product Description** 18 GA GALV 6.00" WEB x 2.00"

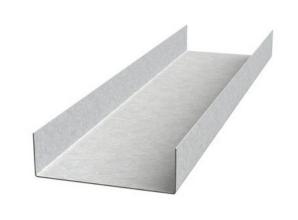
**FLANGE TRACK .043 MIN** 

**GAUGE G90** 

G90 Coating

**Physical Properties** 

Design Thickness (in) 0.0451 Minimum Thickness (in) 0.0428 Web Width (in) Flange Width (in) 2 Yield Strength (ksi) 33



Gross Section Properties	
Cross Sectional Area (A)	0.451
Weight of Member (lb/ft)	1.53
Section Modulus (Sx)	0.81
Moment of Inertia (lx)	2.494
Radius of Gyration (Rx)	2.353
Gross Moment of Inertia (ly)	0.163
Gross Radium of Gyration (Ry)	0.602

Effective Section Properties	
Moment of Inertia for deflection (lxe)	2.076
Section Modulus (Sxe)	0.565
Allowable Bending moment (Ma)	11.16
Allowable shear force in web (U)(Vag)	1377

Torsional Properties	
St. Venant torsion constant (J x 1000)	0.3055
Warping constant (Cw)	1.098
Distance from shear center to neutral axis (Xo)	-1.044
Radii of gyration (Ro)	2.644
Torsional flexural constant (Beta)	0.844

## **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

- 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 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)

