

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

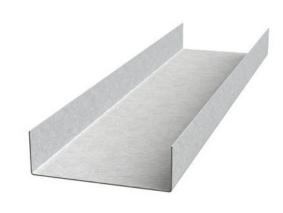
Structural Track 800T125-68

Product Description	14 GA GALV 8.00" WEB x 1.25" FLANGE TRACK .068 MIN GAUGE
Coating	G60
Physical Properties Design Thickness (in) Minimum Thickness (in) Web Width (in) Flange Width (in) Yield Strength (ksi)	0.0713 0.0428 8 1.25 50

Gross Section Properties	
Cross Sectional Area (A)	0.748
Weight of Member (lb/ft)	2.54
Section Modulus (Sx)	1.455
Moment of Inertia (lx)	6
Radius of Gyration (Rx)	2.833
Gross Moment of Inertia (ly)	0.07
Gross Radium of Gyration (Ry)	0.307

Effective Section Properties	
Moment of Inertia for deflection (lxe)	5.956
Section Modulus (Sxe)	1.216
Allowable Bending moment (Ma)	36.4
Allowable shear force in web (U)(Vag)	4087

Torsional Properties	
St. Venant torsion constant (J x 1000)	1.2668
Warping constant (Cw)	0.92
Distance from shear center to neutral axis (Xo)	-0.427
Radii of gyration (Ro)	2.881
Torsional flexural constant (Beta)	0.978



ASTM & Code Standards

- AISI \$100-12 & 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)

