

Structural Track 362T125-54G90

Product Description 16 GA GALV 3.62" WEB x 1.25" FLANGE TRACK .054 MIN GAUGE G90

Coating G90

Physical Properties

Design Thickness (in) 0.0566
Minimum Thickness (in) 0.0538
Web Width (in) 3.625
Flange Width (in) 1.25
Yield Strength (ksi) 50



Gross Section Properties

Cross Sectional Area (A)	0.346
Weight of Member (lb/ft)	1.18
Section Modulus (Sx)	0.378
Moment of Inertia (Ix)	0.723
Radius of Gyration (Rx)	1.445
Gross Moment of Inertia (Iy)	0.048
Gross Radium of Gyration (Ry)	0.373

Effective Section Properties

Moment of Inertia for deflection (Ixe)	0.678
Section Modulus (Sxe)	0.312
Allowable Bending moment (Ma)	9.34
Allowable shear force in web (U)(Vag)	3372

Torsional Properties

St. Venant torsion constant (J x 1000)	0.3695
Warping constant (Cw)	0.123
Distance from shear center to neutral axis (Xo)	-0.648
Radii of gyration (Ro)	1.627
Torsional flexural constant (Beta)	0.841

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.

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- MR Credit 2** • ConstructionWaste Management – Mill Steel Framing steel framing is 100% recyclable
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- 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)

