

Structural Track 362T125-33

Product Description 20 GA GALV 3.62" WEB x 1.25" FLANGE TRACK .033 MIN GAUGE
Coating G60

Physical Properties

Design Thickness (in) 0.0346
Minimum Thickness (in) 0.0329
Web Width (in) 3.625
Flange Width (in) 1.25
Yield Strength (ksi) 33



Gross Section Properties

Cross Sectional Area (A)	0.212
Weight of Member (lb/ft)	0.72
Section Modulus (Sx)	0.232
Moment of Inertia (Ix)	0.438
Radius of Gyration (Rx)	1.439
Gross Moment of Inertia (Iy)	0.03
Gross Radius of Gyration (Ry)	0.377

Effective Section Properties

Moment of Inertia for deflection (Ixe)	0.385
Section Modulus (Sxe)	0.174
Allowable Bending moment (Ma)	3.44
Allowable shear force in web (U)(Vag)	1024

Torsional Properties

St. Venant torsion constant (J x 1000)	0.0845
Warping constant (Cw)	0.076
Distance from shear center to neutral axis (Xo)	-0.658
Radii of gyration (Ro)	1.626
Torsional flexural constant (Beta)	0.836

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
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 • Materials Ingredients (1 point) – Construction and Demolition Waste Management (1 point)

