

Structural Track 362T125-43G90

Product Description 18 GA GALV 3.62" WEB X 1.25" FLANGE TRACK .043 MIN GAUGE G90

Coating G90

Physical Properties

Design Thickness (in) 0.0451
 Minimum Thickness (in) 0.0428
 Web Width (in) 3.625
 Flange Width (in) 1.25
 Yield Strength (ksi) 33



Gross Section Properties

Cross Sectional Area (A)	0.276
Weight of Member (lb/ft)	0.94
Section Modulus (Sx)	0.302
Moment of Inertia (Ix)	0.571
Radius of Gyration (Rx)	1.439
Gross Moment of Inertia (Iy)	0.039
Gross Radius of Gyration (Ry)	0.375

Effective Section Properties

Moment of Inertia for deflection (Ixe)	0.531
Section Modulus (Sxe)	0.245
Allowable Bending moment (Ma)	4.84
Allowable shear force in web (U)(Vag)	1739

Torsional Properties

St. Venant torsion constant (J x 1000)	0.187
Warping constant (Cw)	0.098
Distance from shear center to neutral axis (Xo)	-0.654
Radii of gyration (Ro)	1.625
Torsional flexural constant (Beta)	0.838

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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- V4 MR Credits** • Building Product Disclosure and Optimization EPD (1 point)
 • Materials Ingredients (1 point) – Construction and Demolition Waste Management (1 point)

