

362TTS137-24 (33ksi, G40)

3-5/8" (TTS) TRAKLOC® Track with 1-3/8" leg - 24 mils (20ga EQ)

Coating: G40

Color Code: Pink

Geometric Properties

Web depth: 3.625 in

Leg width: 1.375 in

Yield strength, F_y : 33 ksi

Thickness: 24 mils (20ga EQ)

Design Thickness: 0.0250 in

Min. steel thickness: 0.0238 in

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.159 in ²
Member weight per foot of length	0.542 lb/ft
Moment of inertia (Ix)	0.335 in ⁴
Radius of gyration (Rx)	1.451 in
Gross moment of inertia (Iy)	0.029 in ⁴
Gross radius of gyration (Ry)	0.424 in

Effective Section Properties

Effective Area (Ae)	0.048 in ²
Moment of inertia for deflection (Ix)	0.258 in ⁴
Section modulus (Sx)	0.082 in ³
Allowable bending moment (Mal)	2813 in-lbs
Allowable shear force in web (Vag)	390 lb

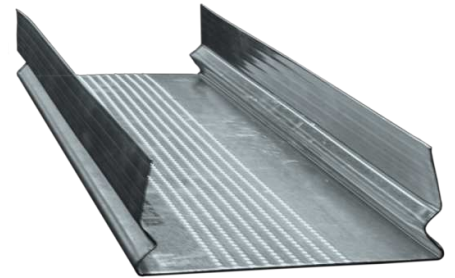
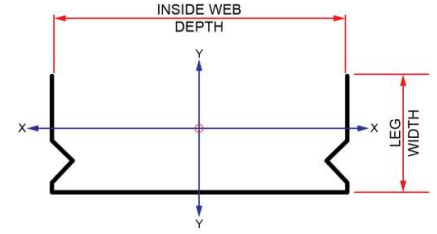
Torsional Properties

St. Venant torsional constant (J x 1000)	0.0332 in ⁴
Warping constant (Cw)	0.070 in ⁶
Distance from shear center to neutral axis (Xo)	-0.760 in
Radius of gyration (Ro)	1.692 in
Torsional flexural constant (Beta)	0.798

- Calculated properties are based on AISI S100-07 w/ S2-10 Supplement and AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members.
- Effective properties incorporate the strength increase from the cold-work of forming as applicable per AISI A7.2.
- For deflection calculations, use the effective moment of inertia.
- Allowable moment includes cold-work of forming.

Code Approvals & Performance Standards

- **AISI S100-12** North American Specification for the Design of Cold-Formed Steel Framing Structural Members
- **AISI S220-11** North American Standard for Cold-Formed Steel Framing - Nonstructural Members
 - (Compliant to ASTM C645, but IBC replaced with AISI S220 in IBC 2015)
 - Section A4 Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
 - Section A5 Corrosion Protection (Referencing ASTM A653/A653M)
 - Section C Installation - (Referencing ASTM C754)
- **ICC-ES ESR-1464** TRAKLOC
- **SDS For ASTM A1003 Steel Framing Products** For Interior Framing, Exterior Framing and Clips/Accessories



Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).