

## 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 <sup>2</sup>
Member weight per foot of length	0.542 lb/ft
Moment of inertia (Ix)	0.335 in <sup>4</sup>
Radius of gyration (Rx)	1.451 in
Gross moment of inertia (Iy)	0.029 in <sup>4</sup>
Gross radius of gyration (Ry)	0.424 in

#### Effective Section Properties

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

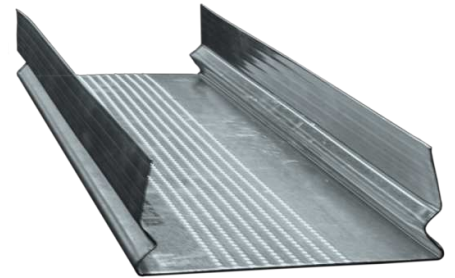
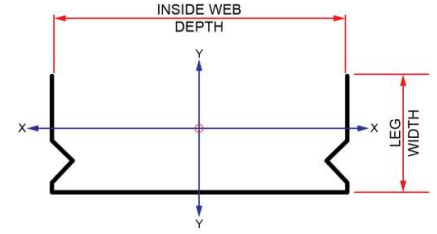
#### Torsional Properties

St. Venant torsional constant (J x 1000)	0.0332 in <sup>4</sup>
Warping constant (Cw)	0.070 in <sup>6</sup>
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](http://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).