

**Product category:** (TTS) TRAKLOC® Track  
**Product name:** **250TTS137-18 33ksi G40**  
2-1/2" TRAKLOC® Track 18 mils (25ga)  
Coating: G40  
Color coding: None

### Geometric Properties

Inside web depth	2.500 in	Weight	0.336 lb/ft
Leg width	1.375 in	Minimum thickness	0.0179 in
Design thickness	0.0188 in		
Yield stress, Fy	33 ksi		

### Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.099 in <sup>2</sup>
Moment of inertia (Ix)	0.110 in <sup>4</sup>
Radius of gyration (Rx)	1.057 in
Gross moment of inertia (Iy)	0.019 in <sup>4</sup>
Gross radius of gyration (Ry)	0.444 in

### Effective Section Properties

Effective area (Ae)	- in <sup>2</sup>
Moment of Inertia (Ix)	- in <sup>4</sup>
Section Modulus (Sx)	- in <sup>3</sup>
Allowable bending moment (Mal)	- in-lbs
Allowable shear force in web (Vag)	- lb

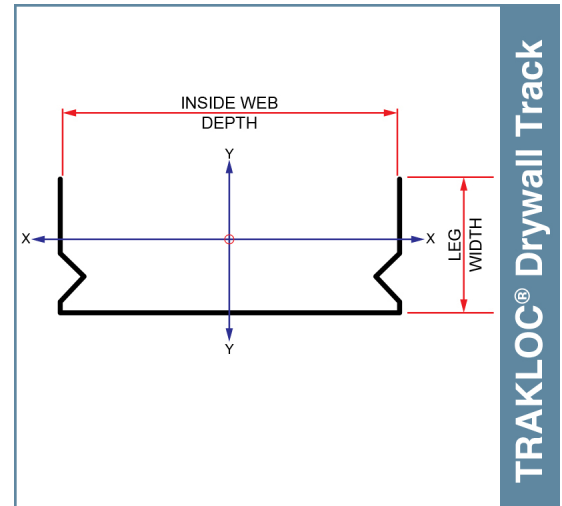
### Torsional Properties

St. Venant torsion constant (J x 1000)	0.0116 in <sup>4</sup>
Warping constant (Cw)	0.023 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.875 in
Radii of gyration (Ro)	1.442 in
Torsional flexural constant (Beta)	0.632

### Notes:

- 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.
- **Web-height to thickness ratio exceeds 260.**

### 09.22.16 (Non-Structural Metal Framing)



### ASTM & Code Standards:

- AISI-NASPEC 2007 w/S2-10
- Meets or exceeds ASTM C645
- ICC ESR-1464 - Evaluation Report
- SDS & Product Certification Information available at [www.clarkdietrich.com](http://www.clarkdietrich.com).



### Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://www.clarkdietrich.com/LEED)

**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).

**LEED 2009 Credit MR 2 & MR 4** -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at ([info@clarkdietrich.com](mailto:info@clarkdietrich.com) / 888-437-3244)

### Project Information

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### Architect Information

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