

Product category: (TTS) TRAKLOC® Track
Product name: 400TTS137-18 33ksi G40
4" TRAKLOC® Track 18 mils (25ga)
Coating: G40
Color coding: None

Geometric Properties

Inside web depth	4.000 in	Weight	0.432 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)	0.127 in ²
Moment of inertia (Ix)	0.315 in ⁴
Radius of gyration (Rx)	1.576 in
Gross moment of inertia (Iy)	0.022 in ⁴
Gross radius of gyration (Ry)	0.418 in

Effective Section Properties

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

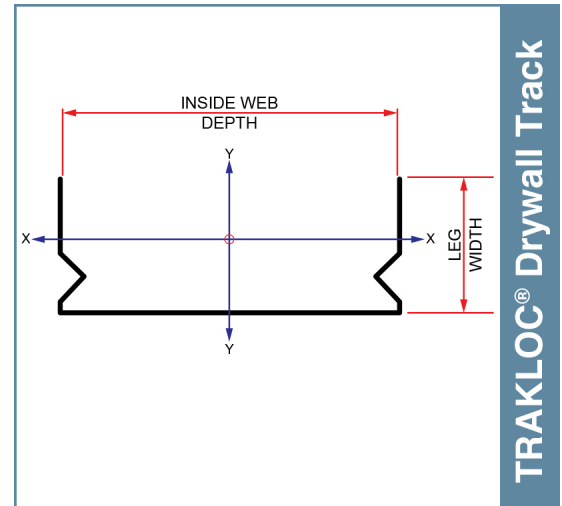
Torsional Properties

St. Venant torsion constant (J x 1000)	0.0150 in ⁴
Warping constant (Cw)	0.066 in ⁶
Distance from shear center to neutral axis (Xo)	-0.732 in
Radii of gyration (Ro)	1.787 in
Torsional flexural constant (Beta)	0.832

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.



Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit 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 / 888-437-3244)

Project Information

Name:
Address:

Contractor Information

Name:
Contact:
Phone:
Fax:

Architect Information

Name:
Contact:
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