

Product category: (TTS) TRAKLOC® Track
Product name: 400TTS137-33 33ksi G40
4" TRAKLOC® Track 33 mils (20ga)
Coating: G40
Color coding: White

Geometric Properties

Inside web depth	4.000 in	Weight	0.794 lb/ft
Leg width	1.375 in	Minimum thickness	0.0330 in
Design thickness	0.0347 in		
Yield stress, Fy	33 ksi		

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.233 in ²
Moment of inertia (Ix)	0.582 in ⁴
Radius of gyration (Rx)	1.579 in
Gross moment of inertia (Iy)	0.040 in ⁴
Gross radius of gyration (Ry)	0.415 in

Effective Section Properties

Effective area (Ae)	0.109 in ²
Moment of Inertia (Ix)	0.497 in ⁴
Section Modulus (Sx)	0.203 in ³
Allowable bending moment (Mal)	4006 in-lbs
Allowable shear force in web (Vag)	935 lb

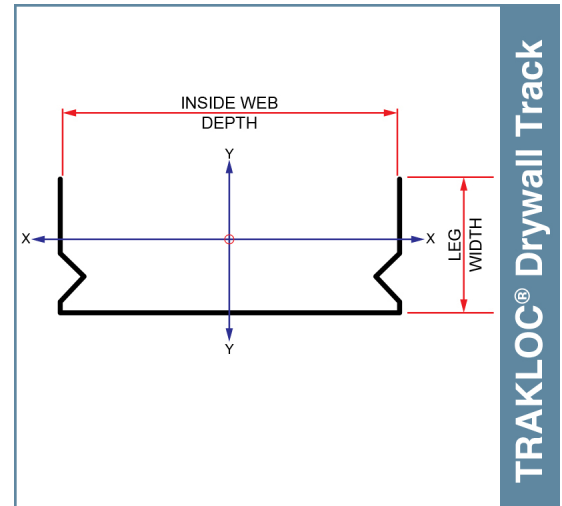
Torsional Properties

St. Venant torsion constant (J x 1000)	0.0931 in ⁴
Warping constant (Cw)	0.121 in ⁶
Distance from shear center to neutral axis (Xo)	-0.725 in
Radii of gyration (Ro)	1.787 in
Torsional flexural constant (Beta)	0.835

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.

09.22.16 (Non-Structural Metal Framing)



ASTM & Code Standards:

- AISI-NASPEC 2007 w/S2-10
- Meets or exceeds ASTM C645
- 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:
Phone:
Fax: