

Product Submittal Sheet

Technical Services: 888-437-3244 Engineering Services: 877-832-3206 Sales: 800-543-7140 clarkdietrich.com

T125 (1-1/4" Lea Structural Track) **Product category:**

Product name: 1000T125-43 (33ksi, CP60) - Unpunched

> 43mils (18ga) Coating: CP60 per ASTM C955

> > Color coding: Yellow

Geometric Properties

Web depth 10.161 in Lea width 1.25 in

Design thickness 0.0451 in Min. steel thickness 0.0428 in Yield strength, Fy *Fy with Cold-Work, Fya 33.0 ksi 33 ksi

Ultimate, Fu 45.0 ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.563 in ²
Member weight per foot of length	1.92 lb/ft
Moment of inertia (Ix)	6.633 in ⁴
Section modulus (Sx)	1.306 in ³
Radius of gyration (Rx)	3.431 in
Gross moment of inertia (ly)	0.047 in ⁴
Gross radius of gyration (Ry)	0.290 in

Effective Section Properties, Strong Axis

Effective Area (Ae)	0.186 in ²
Moment of inertia for deflection (Ix)	5.887 in ⁴
Section modulus (Sx)	0.819 in ³
Allowable bending moment (Ma)	16.19 in-k
Allowable shear force in web	822 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	0.382 in⁴
Warping constant (Cw)	0.973 in ⁶
Distance from shear center to neutral axis (Xo)	-0.379 in
Distance between shear center and web centerline (m)	0.259 in
Radii of gyration (Ro)	3.465 in
Torsional flexural constant (Beta)	0.988

Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-12
- * Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at itools.clarkdietrich.com

Sustainability Credits:

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

Fax:

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 - Clark Dietrich'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)

(t)

05.40.00 (Cold-Formed Metal Framing)

Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:

Fax:

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