

Product category: ProTRAK® 20 Drywall Track 1-1/4" leg
Product name: 250PDT125-19 50ksi G40EQ - Unpunched
 2-1/2" ProTRAK 20 (19mil)

Coating: G40EQ
 Color coding: Pink

Geometric Properties

Inside web depth	2.500 in	Weight	0.340 lb/ft
Leg width	1.250 in	Minimum thickness	0.0190 in
Design thickness	0.0200 in		
Yield stress, Fy	50 ksi		

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.100 in ²
Moment of inertia (Ix)	0.108 in ⁴
Radius of gyration (Rx)	1.063 in
Gross moment of inertia (Iy)	0.026 in ⁴
Gross radius of gyration (Ry)	0.488 in

Effective Section Properties, Strong Axis

Effective area (Ae)	0.032 in ⁴
Moment of inertia for deflection (Ixe)	0.084 in ⁴
Section modulus (Sxe)	0.038 in ³
Allowable bending moment (Ma)	1,129 in-lbs
Allowable shear force in web (Vag)	289 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	0.0147 in ⁴
Warping constant (Cw)	0.030 in ⁶
Distance from shear center to neutral axis (Xo)	-0.983 in
Radii of gyration (Ro)	1.528 in
Torsional flexural constant (Beta)	0.586

09.22.16 (Non-Structural Metal Framing)



Drywall Track

* Embossments in web are only placed on sections 2-1/2" and wider.

ASTM & Code Standards:

- AISI S100-12 & S220-15
- Meets or exceeds ASTM C645 & C754
- ASTM E119, E72 & E90
- ATI CCRR-0207, LA RR 26019
- ProSTUD complies with the SFIA Code Compliance Certification Program
- Multiple UL® Design Listing including: V438, V450 & U419
- SDS & Product Certification Information available at www.clarkdietrich.com.
- U.S. Patent No. 9,010,070



Notes:

- Calculated properties are based on AISI S100-12, North American Specification for Design of Cold-Formed Steel Structural Members and AISI S220-15, North American Standard for Cold-Formed Steel Framing - Nonstructural Members.
- Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
- Tabulated gross properties, including torsional properties, are based on full-unreduced cross section of the tracks.
- For deflection calculations, use the effective moment of inertia.
- Allowable moment includes cold work of forming.
- Allowable moment is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a k-phi = 0.
- Web depth for track sections is equal to the nominal height plus two times the design thickness plus the bend radius. Hems on nonstructural track sections are ignored.

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 minimum 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)

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Project Information

Name:
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Contractor Information

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Architect Information

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