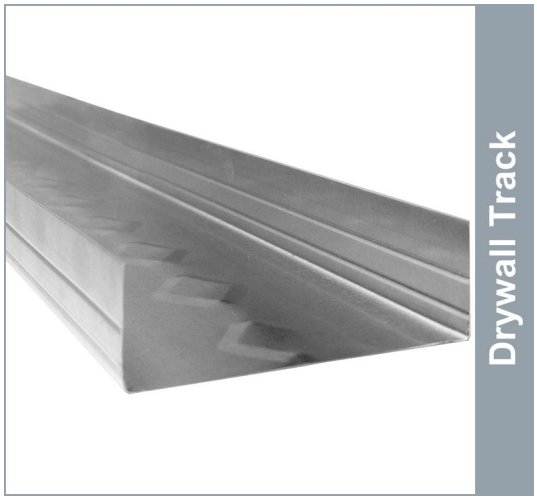
Product Submittal Sheet

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

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

09.22.16 (Non-Structural Metal Framing)



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

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

ASTM & Code Standards:

- AISI-NASPEC 2007
- Meets or exceeds ASTM C645 & C754
- ASTM E119, E72 & E90
- IAPMO #0171 & #0189
- Multiple UL® Design Listing including: V438, V450 & U419
- MSDS & Product Certification Information available at www.clarkdietrich.com.

Notes:

- Calculated properties are based on AISI S100-07, 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.
- 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 non-structural track sections are ignored.

GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.
LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

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