

**Product category:** ProTRAK® 25 Drywall Track 1-1/4" leg  
**Product name:** 250PDT125-15 50ksi G40EQ - Unpunched  
 2-1/2" ProTRAK 25 (15mil) Finish: G40EQ  
 Color coding: None

**Geometric Properties**

Inside web depth	2.500 in	Weight	0.269 lb/ft
Leg width	1.250 in	Minimum thickness	0.0150 in
Design thickness	0.0158 in		
Yield stress, Fy	50 ksi		

**Gross Section Properties of Full Section, Strong Axis**

Cross sectional area (A)	0.079 in <sup>2</sup>
Moment of inertia (Ix)	0.085 in <sup>4</sup>
Radius of gyration (Rx)	1.038 in
Gross moment of inertia (Iy)	0.013 in <sup>4</sup>
Gross radius of gyration (Ry)	0.400 in

**Effective Section Properties, Strong Axis**

Effective area (Ae)	0.020 in <sup>4</sup>
Moment of inertia for deflection (Ixe)	0.059 in <sup>4</sup>
Section modulus (Sxe)	0.024 in <sup>3</sup>
Allowable bending moment (Ma)	724 in-lbs
Allowable shear force in web (Vag)	143 lb

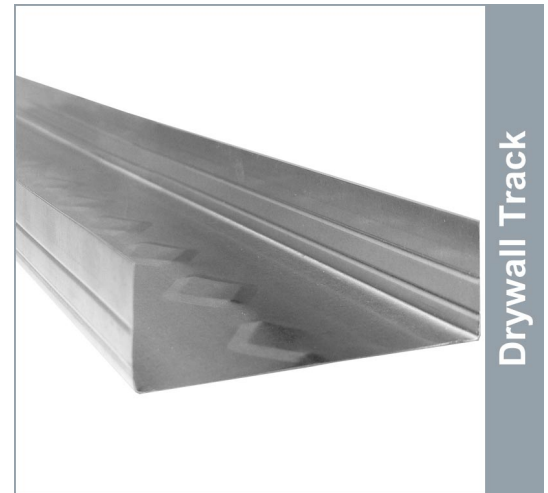
**Torsional Properties**

St. Venant torsion constant (J x 1000)	0.0066 in <sup>4</sup>
Warping constant (Cw)	0.015 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.771 in
Radii of gyration (Ro)	1.353 in
Torsional flexural constant (Beta)	0.675

**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.

**09.22.16 (Non-Structural Metal Framing)**



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

**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](http://www.clarkdietrich.com).



**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](http://www.clarkdietrich.com).

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<p><b>Project Information</b>          Name: cavobuilderssupplies.com          Address:</p>	<p><b>Contractor Information</b>          Name:          Contact:          Phone:          Fax:</p>	<p><b>Architect Information</b>          Name:          Contact:          Phone:          Fax:</p>
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