

Product category: ProTRAK® 25 Drywall Track 1-1/4" leg
Product name: 362PDT125-15 50ksi G40EQ - Unpunched
 3-5/8" ProTRAK 25 (15mil)

Coating: G40EQ
 Color coding: None

Geometric Properties

| | | | |
|------------------|-----------|-------------------|-------------|
| Inside web depth | 3.625 in | Weight | 0.329 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) | 0.097 in ² |
| Moment of inertia (Ix) | 0.196 in ⁴ |
| Radius of gyration (Rx) | 1.425 in |
| Gross moment of inertia (Iy) | 0.014 in ⁴ |
| Gross radius of gyration (Ry) | 0.381 in |

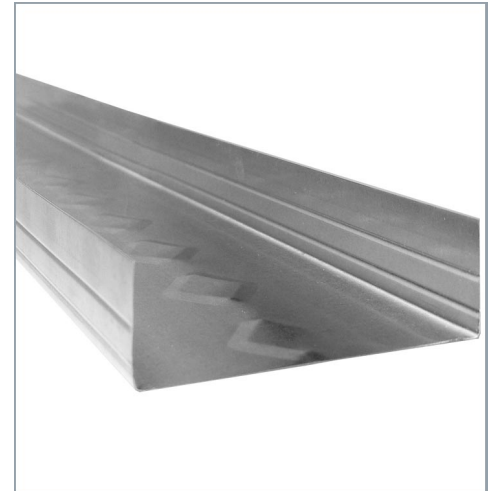
Effective Section Properties, Strong Axis

| | |
|--|-----------------------|
| Effective area (Ae) | 0.021 in ⁴ |
| Moment of inertia for deflection (Ixe) | 0.125 in ⁴ |
| Section modulus (Sxe) | 0.035 in ³ |
| Allowable bending moment (Ma) | 1,059 in-lbs |
| Allowable shear force in web (Vag) | 98 lb |

Torsional Properties

| | |
|---|------------------------|
| St. Venant torsion constant (J x 1000) | 0.0081 in ⁴ |
| Warping constant (Cw) | 0.034 in ⁶ |
| Distance from shear center to neutral axis (Xo) | -0.668 in |
| Radii of gyration (Ro) | 1.619 in |
| Torsional flexural constant (Beta) | 0.830 |

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:
 Address:

Contractor Information

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Architect Information

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