# Product Submittal Sheet

Technical Services: 888-437-3244
Engineering Services: 877-832-3206
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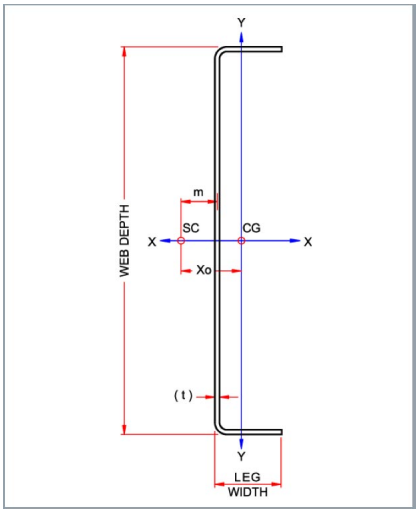
clarkdietrich.com

**Product category:** T125 (1-1/4" Leg Structural Track)
**Product name:** **362T125-43 (33ksi, CP60) - Unpunched**
43mils (18ga)
Coating: CP60 per AISI S240
Color coding: Yellow

**05.40.00 (Cold-Formed Metal Framing)**




## Geometric Properties

| | | | |
|---|---|---|---|
| Web depth | 3.786 in | | |
| Leg width | 1.25 in | | |
| Design thickness | 0.0451 in | Min. steel thickness | 0.0428 in |
| Yield strength, Fy | 33 ksi | *Fy with Cold-Work, Fya | 33.0 ksi |
| Ultimate, Fu | 45.0 ksi | | |

## Gross Section Properties of Full Section, Strong Axis

| | |
|---|---|
| Cross sectional area (A) | 0.276 $in^2$ |
| Member weight per foot of length | 0.94 lb/ft |
| Moment of inertia (Ix) | 0.571 $in^4$ |
| Section modulus (Sx) | 0.302 $in^3$ |
| Radius of gyration (Rx) | 1.439 in |
| Gross moment of inertia (Iy) | 0.039 $in^4$ |
| Gross radius of gyration (Ry) | 0.375 in |

## Effective Section Properties, Strong Axis

| | |
|---|---|
| Effective Area (Ae) | 0.174 $in^2$ |
| Moment of inertia for deflection (Ix) | 0.531 $in^4$ |
| Section modulus (Sx) | 0.245 $in^3$ |
| Allowable bending moment (Ma) | 4.84 in-k |
| Allowable shear force in web | 1739 lb |

## Torsional Properties

| | |
|---|---|
| St. Venant torsion constant (J x 1000) | 0.187 $in^4$ |
| Warping constant (Cw) | 0.098 $in^6$ |
| Distance from shear center to neutral axis (Xo) | -0.654 in |
| Distance between shear center and web centerline (m) | 0.407 in |
| Radii of gyration (Ro) | 1.625 in |
| Torsional flexural constant (Beta) | 0.838 |

Used in framing applications:

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

## Code Approvals & Performance Standards

**AISI S100-16 - North American Specification for the Design of CFS Structural Members**
- Effective properties incorporate the strength increase from the cold work of forming

**AISI S240-15 - North American Standard for Cold-Formed Steel Structural Framing**
- Section A3 - Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
- Section A4 - Corrosion Protection (Referencing ASTM A653/A653M)
- Section A5 - Products - Thickness, shapes, tolerances, identification
- Section C - Installation - (Referencing ASTM C1007)

**AISI S202-15 - Code of Standard Practice for Cold-Formed Steel Structural Framing**
- Section F3 - Delivery, Handling and Storage of Materials

**ClarkDietrich's structural framing comply with:**
- Intertek CCRR-0206
- SFIA Code Compliance Certification Program
- ICC-ES ESR-1166P
- ICC-ES ESR-1166P - LABC and LARC Supplement
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

**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 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)

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