

Product Submittal Sheet

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

Product category: T250 (2-1/2" Leg Structural Track)
Product name: 350T250-97 (50ksi, CP60) - Unpunched

97mils (12ga) Coating: CP60 per ASTM C955

Color coding: Red

Geometric Properties

Web depth 3.856 in Leg width 2.5 in

Design thickness 0.1017 in Min. steel thickness 0.0966 in Yield strength, Fy 50 ksi *Fy with Cold-Work, Fya 50.0 ksi

Ultimate, Fu 65.0 ksi

Gross Section Properties of Full Section, Strong Axis

| 0.862 in ² |
|-----------------------|
| 2.93 lb/ft |
| 2.139 in⁴ |
| 1.110 in ³ |
| 1.575 in |
| 0.564 in⁴ |
| 0.808 in |
| |

Effective Section Properties, Strong Axis

| Effective Area (Ae) | 0.661 in ² |
|---------------------------------------|-----------------------|
| Moment of inertia for deflection (Ix) | 1.924 in⁴ |
| Section modulus (Sx) | 0.815 in ³ |
| Allowable bending moment (Ma) | 24.40 in-k |
| Allowable shear force in web | 6383 lb |

Torsional Properties

| St. Venant torsion constant (J x 1000) | 2.973 in⁴ |
|--|-----------------------|
| Warping constant (Cw) | 1.413 in ⁶ |
| Distance from shear center to neutral axis (Xo) | -1.684 in |
| Distance between shear center and web centerline (m) | 0.975 in |
| Radii of gyration (Ro) | 2.443 in |
| Torsional flexural constant (Beta) | 0.525 |

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-12
- * Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206
- For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at itools.clarkdietrich.com

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)

Structural Track

05.40.00 (Cold-Formed Metal Framing)

Used in framing applications:

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

| Project Information | Contractor Information | Architect Information |
|---------------------|------------------------|--|
| Name: | Name: | Name: |
| Address: | Contact: | Contact: |
| | Phone: | Phone: |
| | Fax: | Fax: |
| | | |
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