



**Product category:** T150 (1-1/2" Leg Structural Track)  
**Product name:** 1350T150-97 (50ksi, CP60) - Unpunched  
97mils (12ga) Coating: CP60 per ASTM C955  
Color coding: Red

**Geometric Properties**

Web depth 13.856 in  
Leg width 1.5 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**

Cross sectional area (A) 1.676 in<sup>2</sup>  
Member weight per foot of length 5.70 lb/ft  
Moment of inertia (Ix) 35.161 in<sup>4</sup>  
Section modulus (Sx) 5.075 in<sup>3</sup>  
Radius of gyration (Rx) 4.581 in  
Gross moment of inertia (Iy) 0.179 in<sup>4</sup>  
Gross radius of gyration (Ry) 0.327 in

**Effective Section Properties, Strong Axis**

Effective Area (Ae) 0.734 in<sup>2</sup>  
Moment of inertia for deflection (Ix) 34.163 in<sup>4</sup>  
Section modulus (Sx) 4.153 in<sup>3</sup>  
Allowable bending moment (Ma) 124.34 in-k  
Allowable shear force in web 7014 lb

**Torsional Properties**

St. Venant torsion constant (J x 1000) 5.778 in<sup>4</sup>  
Warping constant (Cw) 6.924 in<sup>6</sup>  
Distance from shear center to neutral axis (Xo) -0.408 in  
Distance between shear center and web centerline (m) 0.281 in  
Radii of gyration (Ro) 4.610 in  
Torsional flexural constant (Beta) 0.992

**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 [tools.clarkdietrich.com](http://tools.clarkdietrich.com)

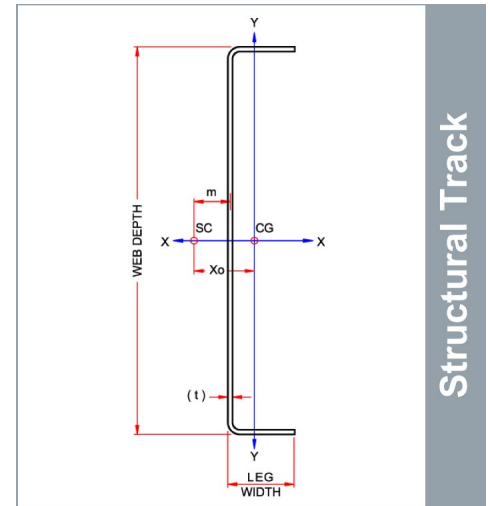
**Sustainability Credits:**

For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://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](mailto:info@clarkdietrich.com) / 888-437-3244)

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



Structural Track

**Used in framing applications:**

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

**Project Information**

Name:  
Address:

**Contractor Information**

Name:  
Contact:  
Phone:  
Fax:

**Architect Information**

Name:  
Contact:  
Phone:  
Fax: