

Product category: T125 (1-1/4" Leg Structural Track)
Product name: **725T125-97 (50ksi, CP60) - Unpunched**
 97mils (12ga) Coating: CP60 per ASTM C955
 Color coding: Red

Geometric Properties

| | | | |
|--------------------|-----------|-------------------------|-----------|
| Web depth | 7.606 in | | |
| Leg width | 1.25 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) | 0.989 in ² |
| Member weight per foot of length | 3.37 lb/ft |
| Moment of inertia (Ix) | 6.763 in ⁴ |
| Section modulus (Sx) | 1.778 in ³ |
| Radius of gyration (Rx) | 2.615 in |
| Gross moment of inertia (Iy) | 0.095 in ⁴ |
| Gross radius of gyration (Ry) | 0.310 in |

Effective Section Properties, Strong Axis

| | |
|---------------------------------------|-----------------------|
| Effective Area (Ae) | 0.676 in ² |
| Moment of inertia for deflection (Ix) | 6.761 in ⁴ |
| Section modulus (Sx) | 1.778 in ³ |
| Allowable bending moment (Ma) | 59.79 in-k |
| Allowable shear force in web | 10885 lb |

Torsional Properties

| | |
|--|-----------------------|
| St. Venant torsion constant (J x 1000) | 3.411 in ⁴ |
| Warping constant (Cw) | 1.042 in ⁶ |
| Distance from shear center to neutral axis (Xo) | -0.442 in |
| Distance between shear center and web centerline (m) | 0.293 in |
| Radii of gyration (Ro) | 2.670 in |
| Torsional flexural constant (Beta) | 0.973 |

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

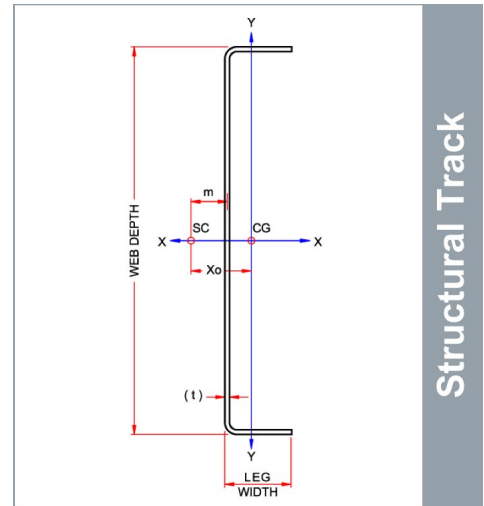
Sustainability Credits:

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)

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: