

Product category: T125 (1-1/4" Leg Structural Track)
Product name: 1150T125-54 (50ksi, CP60) - Unpunched
54mils (16ga) Coating: CP60 per ASTM C955
Color coding: Green

Geometric Properties

Web depth 11.698 in
Leg width 1.25 in
Design thickness 0.0566 in Min. steel thickness 0.0538 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) 0.792 in²
Member weight per foot of length 2.69 lb/ft
Moment of inertia (Ix) 11.945 in⁴
Section modulus (Sx) 2.042 in³
Radius of gyration (Rx) 3.884 in
Gross moment of inertia (Iy) 0.060 in⁴
Gross radius of gyration (Ry) 0.275 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.241 in²
Moment of inertia for deflection (Ix) 10.378 in⁴
Section modulus (Sx) 1.229 in³
Allowable bending moment (Ma) 36.78 in-k
Allowable shear force in web 1414 lb

Torsional Properties

St. Venant torsion constant (J x 1000) 0.845 in⁴
Warping constant (Cw) 1.656 in⁶
Distance from shear center to neutral axis (Xo) -0.343 in
Distance between shear center and web centerline (m) 0.236 in
Radii of gyration (Ro) 3.909 in
Torsional flexural constant (Beta) 0.992

Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

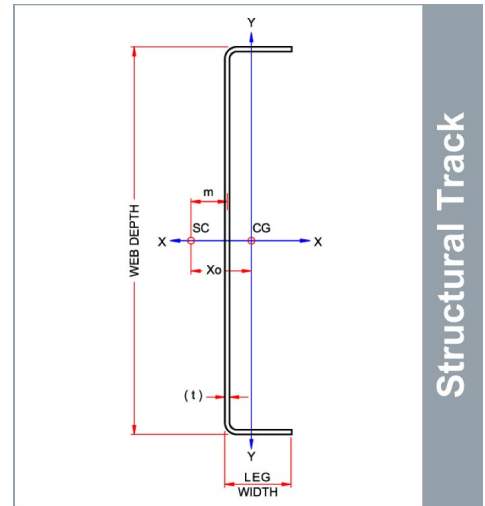
ASTM & Code Standards:

- 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)



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: