

Product category: T250 (2-1/2" Leg Structural Track)
Product name: 1000T250-68 (50ksi, CP60) - Unpunched
 68mils (14ga) Coating: CP60 per ASTM C955
 Color coding: Orange

Geometric Properties

Web depth 10.250 in
 Leg width 2.5 in
 Design thickness 0.0713 in Min. steel thickness 0.0677 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) 1.068 in²
 Member weight per foot of length 3.64 lb/ft
 Moment of inertia (Ix) 15.143 in⁴
 Section modulus (Sx) 2.955 in³
 Radius of gyration (Rx) 3.765 in
 Gross moment of inertia (Iy) 0.536 in⁴
 Gross radius of gyration (Ry) 0.708 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.388 in²
 Moment of inertia for deflection (Ix) 12.711 in⁴
 Section modulus (Sx) 1.726 in³
 Allowable bending moment (Ma) 51.68 in-k
 Allowable shear force in web 3261 lb

Torsional Properties

St. Venant torsion constant (J x 1000) 1.810 in⁴
 Warping constant (Cw) 10.240 in⁶
 Distance from shear center to neutral axis (Xo) -1.135 in
 Distance between shear center and web centerline (m) 0.730 in
 Radii of gyration (Ro) 3.995 in
 Torsional flexural constant (Beta) 0.919

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

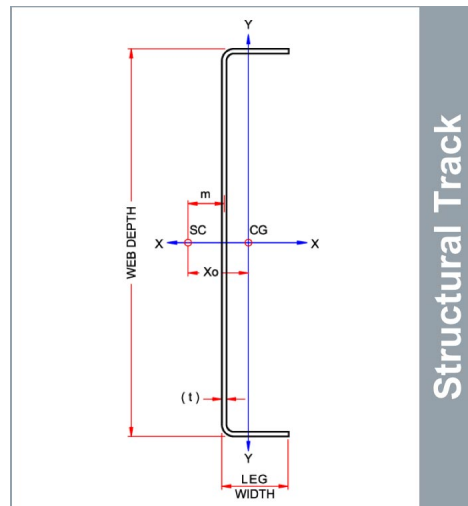
Sustainability Credits:

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: