



Product category: T125 (1-1/4" Leg Structural Track)
Product name: **600T125-54 (50ksi, CP60) - Unpunched**
54mils (16ga) Coating: CP60 per AISI S240
Color coding: Green

Geometric Properties

Web depth 6.198 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) 0.480 in²
Member weight per foot of length 1.63 lb/ft
Moment of inertia (Ix) 2.345 in⁴
Section modulus (Sx) 0.757 in³
Radius of gyration (Rx) 2.209 in
Gross moment of inertia (Iy) 0.054 in⁴
Gross radius of gyration (Ry) 0.335 in

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.234 in²
Moment of inertia for deflection (Ixe) 2.241 in⁴
Section modulus (Sxe) 0.592 in³
Allowable bending moment (Ma) 17.74 in-k
Allowable shear force in web 2728 lb

Torsional Properties

St. Venant torsion constant (J x 1000) 0.513 in⁴
Warping constant (Cw) 0.384 in⁶
Distance from shear center to neutral axis (Xo) -0.508 in
Distance between shear center and web centerline (m) 0.332 in
Radii of gyration (Ro) 2.292 in
Torsional flexural constant (Beta) 0.951

Code Approvals & Performance Standards

AISI S100-16 - North American Specification for the Design of CFS Structural Members

- Effective properties incorporate the strength increase from the cold work of forming

AISI S240-15 - North American Standard for Cold-Formed Steel Structural Framing

- Section A3 - Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
- Section A4 - Corrosion Protection (Referencing ASTM A653/A653M)
- Section A5 - Products - Thickness, shapes, tolerances, identification
- Section C - Installation - (Referencing ASTM C1007)

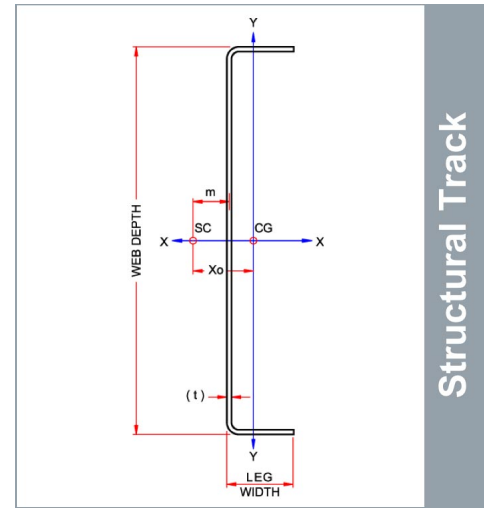
AISI S202-15 - Code of Standard Practice for Cold-Formed Steel Structural Framing

- Section F3 - Delivery, Handling and Storage of Materials

ClarkDietrich's structural framing comply with:

- Intertek CCRR-0206
- SFIA Code Compliance Certification Program
- ICC-ES ESR-1166P
- ICC-ES ESR-1166P - LABC and LARC Supplement
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

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

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)