

Technical Services: 888-437-3244, Engineering Services: 877-832-3206, Sales 800-543-7140

05.40.00 (Cold-Formed Metal Framing)

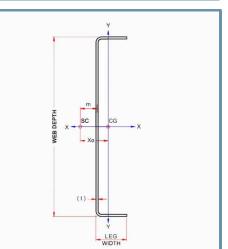
725T125-68 (50ksi, CP60)

725 (7-1/4") structural track with T125 (1-1/4") leg - 68mils (14ga)

Coating: CP60 per AISI S240		Color Code: Orange
Geometric Properties		
Web depth: 7.500 in Leg width: 1.25 in	Thickness: 68mils (14ga) Design Thickness: 0.0713 in Min. steel thickness: 0.0677 in	Yield strength, Fy: 50 ksi *Fy with Cold-Work, Fya: Ultimate, Fu: 65.0 ksi

Gross Section Properties of Full Section, Strong Axis Cross sectional area (A) 0.694 in² 2.36 lb/ft Member weight per foot of length 4.704 in⁴ Moment of inertia (Ix) 1.254in³ Section Modulus (Sx) Radius of gyration (Rx) 2.603 in Gross moment of inerita (ly) 0.069 in⁴ Gross radius of gyration (Ry) 0.316 in **Effective Section Properties, Strong Axis** 0.363 in² Effective Area (Ae) Moment of inertia for deflection (lx) 4.667 in⁴ Section modulus (Sx) 1.081 in³ 32.37 in-k Allowable bending moment (Ma) Allowable shear force in web 4516 lb **Torsional Properties** St. Venant torsional constant (J x 1000) 1.176 in⁴ 0.738 in⁶ Warping constant (Cw) Distance from shear center to neutral axis (Xo) -0.452 in Distance between shear center and web centerline (m) 0.301 in Radii of gyration (Ro) 2.661 in Torsional flexural constant (Beta) 0.971

Cold-Work, Fya: 50.0 ksi



· Load-bearing walls

Curtain walls

• Tall interior walls

Floor & ceiling joists

Trusses



· Effective properties incorporate the strength increase from the cold work of forming.

Code Approvals & Performance Standards

- AISI S100-16 (2020) w/S2-20 North American Specification for the Design of Cold-Formed Steel Structural Members
- AISI S240-20 North American Standard for Cold-Formed Steel Structural Framing
 - (Compliant to ASTM C955, but IBC replaced with AISI S200 in IBC 2015, AISI S240 in IBC 2018)
 - 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 S202-20 Code of Standard Practice for Cold-Formed Steel Structural Framing • Section F3 Delivery, Handling and Storage of Materials
- SDS For ASTM A1003 Steel Framing Products For Interior Framing, Exterior Framing and Clips/Accessories

Sustainability Credits For more details and LEED letters contact Technical Services at 888-437-3244 or visit clarkdietrich.com/LEED.

- LEED v4.1 MR Credit: Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- 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).