

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

05.40.00 (Cold-Formed Metal Framing)

725T350-97 (50ksi, CP60)

725 (7-1/4") structural track with T350 (3-1/2") leg - 97mils (12ga)

Coating: CP60 per AISI S240

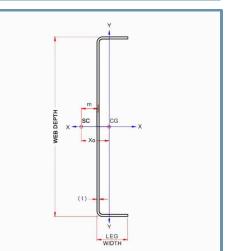
Color Code: Red

Geometric Properties

Web depth: 7.606 in
Leg width: 3.50 inThickness: 97mils (12ga)
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)	1.447 in ²
Member weight per foot of length	4.92 lb/ft
Moment of inertia (Ix)	13.206 in ⁴
Section Modulus (Sx)	3.473in ³
Radius of gyration (Rx)	3.021 in
Gross moment of inerita (ly)	1.769 in ⁴
Gross radius of gyration (Ry)	1.106 in
Effective Section Properties, Strong Axis	
Effective Area (Ae)	0.754 in ²
Moment of inertia for deflection (Ix)	10.901 in ⁴
Section modulus (Sx)	2.318 in ³
Allowable bending moment (Ma)	69.40 in-k
Allowable shear force in web	10885 lb
Torsional Properties	
St. Venant torsional constant (J x 1000)	4.989 in ⁴
Warping constant (Cw)	17.609 in ⁶
Distance from shear center to neutral axis (Xo)	-2.102 in
Distance between shear center and web centerline (m)	1.266 in
Radii of gyration (Ro)	3.843 in
Torsional flexural constant (Beta)	0.701



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).