

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

## 05.40.00 (Cold-Formed Metal Framing)

## 925T200-97 (50ksi, CP60)

Web depth: 9.606 in

Leg width: 2.00 in

## 925 (9-1/4") structural track with T200 (2") leg - 97mils (12ga)

Coating: CP60 per AISI S240 **Geometric Properties** 

Color Code: Red

Thickness: 97mils (12ga) Yield strength, Fy: 50 ksi Design Thickness: 0.1017 in

Min. steel thickness: 0.0966 in

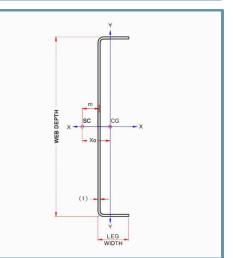
\*Fy with Cold-Work, Fya: 50.0 ksi Ultimate, Fu: 65.0 ksi

Gross Section Properties of Full Section, Strong Axis	
Cross sectional area (A)	1.345 in <sup>2</sup>
Member weight per foot of length	4.58 lb/ft
Moment of inertia (Ix)	15.828 in <sup>4</sup>
Section Modulus (Sx)	3.295in <sup>3</sup>
Radius of gyration (Rx)	3.430 in
Gross moment of inerita (ly)	0.391 in <sup>4</sup>
Gross radius of gyration (Ry)	0.539 in
Effective Section Properties, S	Strong Axis
Effective Area (Ae)	0.741 in <sup>2</sup>
Moment of inertia for deflection (lx)	15.363 in <sup>4</sup>
Section modulus (Sx)	2.805 in <sup>3</sup>
Allowable bending moment (Ma)	83.99 in-k
Allowable shear force in web	10291 lb
Torsional Properties	S
St. Venant torsional constant (J x 1000)	4.638 in <sup>4</sup>
Warping constant (Cw)	6.647 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.825 in
Distance between shear center and web centerline (m)	0.538 in
Radii of gyration (Ro)	3.569 in
Torsional flexural constant (Beta)	0.947

• 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



· 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 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).