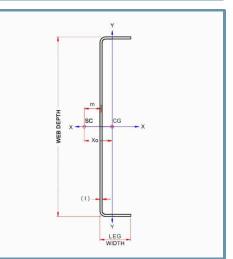


Technical Services: 888-437-3244, Engineering Services: 877-832-3206, Sales 800-543-7140

05.40.00 (Cold-Formed Metal Framing)

<mark>362T250-68 (50ksi, CP60)</mark> 362 (3-5/8'') structural track with T250 (2-1/2'') leg - 68mils (14ga)		
Coating: CP60 per AISI S240 Colo		Color Code: Orange
Geometric Properties		
Web depth: 3.875 in Leg width: 2.50 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: 50.0 ksi Ultimate, Fu: 65.0 ksi
Gross Section Properties of Full Section, Strong Axis		
Cross sectional area (A)		0.614 in ²
Member weight per foot of length		2.09 lb/ft
Moment of inertia (Ix)		1.565 in ⁴
Section Modulus (Sx)		0.808in ³
Radius of gyration (Rx)		1.597 in
Gross moment of inerita (ly)		0.406 in ⁴
Gross radius of gyration (Ry)		0.813 in
Effective Section Properties, Strong Axis		
Effective Area (Ae)		0.357 in ²
Moment of inertia for deflection (Ix)		1.260 in ⁴
Section modulus (Sx)		0.503 in ³
Allowable bending moment (Ma)		15.05 in-k
Allowable shear force in web		4703 lb
Torsional Properties		
St. Venant torsional constant (J x 1000)		1.040 in ⁴



Load-bearing walls

- Curtain walls
- Tall interior walls
- · Floor & ceiling joists
- Trusses



Code Approvals & Performance Standards

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

- 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)

1.038 in⁶

-1.686 in

0.980 in

2.460 in

0.530

- 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
- IBC 2021 International Building Code

Warping constant (Cw)

Radii of gyration (Ro)

Torsional flexural constant (Beta)

- ICC-ES ESR-1166P Structural Studs and Track
- ESR-1166P LABC and LARC Supplement

Distance from shear center to neutral axis (Xo) Distance between shear center and web centerline (m)

- ESR-1166P Catalog ClarkDietrich Structural Technical Design Guide (6/22/20)
- Intertek CCRR-0206 Structural Studs and Track
- SFIA Stud Code Compliance Certification Program
- 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).