

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

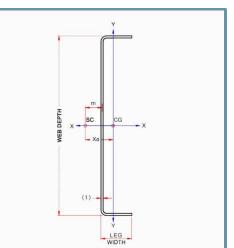
05.40.00 (Cold-Formed Metal Framing)

1350T125-68 (50ksi, CP60)

1350 (13-1/2") structural track with T125 (1-1/4") leg - 68mils (14ga)

Coating: CP60 per AISI S240		Color Code: Orange
Geometric Proper	ties	
Web depth: 13.750 in	Thickness: 68mils (14ga)	Yield strength, Fy: 50 ksi

Leg width: 1.25 in	Design Thickness: 0.0713 in Min. steel thickness: 0.0677 in	*Fy with Cold-Work, Fya: 50.0 ksi Ultimate, Fu: 65.0 ksi
	Gross Section Properties of Full Se	ction, Strong Axis
Cross sectional area (A)		1.140 in ²
Member weight per foot of length		3.88 lb/ft
Moment of inertia (Ix)		22.905 in ⁴
Section Modulus (Sx)		3.332in ³
Radius of gyration (Rx)		4.483 in
Gross moment of inerita (ly)		0.075 in ⁴
Gross radius of gyration (Ry)		0.257 in
	Effective Section Properties,	Strong Axis
Effective Area (Ae)		0.374 in ²
Moment of inertia for deflection (lx)		20.755 in ⁴
Section modulus (Sx)		2.203 in ³
Allowable bending moment (Ma)		65.96 in-k
Allowable shear force in web		2409 lb
	Torsional Propertie	es a la companya de la
St. Venant torsional constant (J x 1000)		1.931 in ⁴
Warping constant (Cw)		2.944 in ⁶
Distance from shear center to neutral axis (Xo)		-0.303 in
Distance between shear center and web centerline (m)		0.211 in
Radii of gyration (Ro)		4.501 in
Torsional flexural constant (Beta)		0.995



Load-bearing walls

Curtain walls

Tall interior wallsFloor & 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).