

Product Submittal Sheet

Technical Services: 888-437-3244 Engineering Services: 877-832-3206 Sales: 800-543-7140 clarkdietrich.com

Product category:		T125 (1-1/4" Leg Structural Track)			05.40.00 (Cold-Formed Metal Framing)	
Product name:		1600T125-68 (50) 68mils (14ga)	· · ·		, in the second se	
		connic (1 igu)	Color coding:	CP60 per ASTM C955 Orange		
Geometric Pro	-					Track
Web depth	16.250					Ŋ
Leg width	1.25 in				m_ _	Ē
Design thickness	0.0713		l thickness	0.0677 in	sc cg	
Yield strength, Fy Ultimate, Fu	50 ksi 65.0 ks	•	Cold-Work, Fya	50.0 ksi		nra
Gross Section	Proper	ties of Full Sec	tion, Strong	Axis		Structural
Gross Section Properties of Full Section, Strong Cross sectional area (A)				1.318 in ²		t
Member weight per foot of length				4.48 lb/ft	(t)	S
Moment of inertia (Ix)				35.935 in⁴		
Section modulus (Sx) 4.423 in ³					‡	
Radius of gyration (Rx)				5.222 in	LEG WIDTH	
Gross moment of inertia (ly)				0.077 in ⁴		
Gross radius of gyration (Ry)				0.241 in	Used in framing applications:	
Effective Section Properties, Strong Axis					 Load-bearing walls 	
Effective Area (Ae) 0.376 in ²					 Curtain walls 	
Moment of inertia for deflection (Ix)				31.009 in⁴	 Tall interior walls 	
				2.651 in ³		
				79.38 in-k	 Floor & ceiling joists 	
Allowable shear force in web				2030 lb	• Trusses	
Torsional Prop	erties					
St Venant tersion constant (1x 1000)				2.222 in ⁴		

St. Venant torsion constant (J x 1000)	2.233 in⁴			
Warping constant (Cw)	4.273 in ⁶			
Distance from shear center to neutral axis (Xo)	-0.268 in			
Distance between shear center and web centerline (m)	0.189 in			
Radii of gyration (Ro)	5.234 in			
Torsional flexural constant (Beta)	0.997			
Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.				

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-12
- * Effective properties incorporate the strength increase from the cold work of forming
- · Gross properties are based on the cross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance
- Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206 • For installation & storage information refer to ASTM C1007
- SDS & Product Certification Information is available at itools.clarkdietrich.com

Sustainability Credits:

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

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).

LEED 2009 Credit MR 2 & MR 4 -- Clark Dietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: