

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) 350T125-97 (50ksi, CP60) - Unpunched		05.40.00 (Cold-Formed Metal Framing)		
Product name:			Y		
	97mils (12ga)	Coating:	CP60 per ASTM C955		
		Color coding:	Red		
Geometric Propertie	S				×
Web depth 3.856					Track
Leg width 1.25 i	n			m	
Design thickness 0.101	7 in Min. steel	thickness	0.0966 in	SC CG	
Yield strength, Fy 50 ks	i *Fy with C	Cold-Work, Fya	50.0 ksi		ສ
Ultimate, Fu 65.0 I	ksi			₩ - X0	tu
Gross Section Prope	rties of Full Sec	tion, Strong	Axis		Structural
Cross sectional area (A)			0.608 in ²		E.
Member weight per foot of length			2.07 lb/ft	(t)	O
Moment of inertia (Ix)			1.243 in⁴		
Section modulus (Sx)		0.645 in ³	Ŷ		
Radius of gyration (Rx)		1.430 in	UEG WIDTH		
Gross moment of inertia (ly)			0.081 in ⁴		
Gross radius of gyration (Ry)		0.366 in	Used in framing applications:	
Effective Section Properties, Strong Axis			 Load-bearing walls 		
Effective Area (Ae)			0.598 in ²	 Curtain walls 	
Moment of inertia for deflection (Ix)		1.243 in ⁴	 Tall interior walls 		
Section modulus (Sx)		0.645 in ³			
	Allowable bending moment (Ma)		21.69 in-k	• Floor & ceiling joists	

6383 lb

Trusses

Torsional Properties

Allowable shear force in web

St. Venant torsion constant (J x 1000)	2.096 in⁴
Warping constant (Cw)	0.209 in ⁶
Distance from shear center to neutral axis (Xo)	-0.636 in
Distance between shear center and web centerline (m)	0.394 in
Radii of gyration (Ro)	1.607 in
Torsional flexural constant (Beta)	0.844

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: