

Product Submittal Sheet

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

Product category: Product name:		T150 (1-1/2" Leg Structural Track) 550T150-97 (50ksi, CP60) - Unpunched				05.40.00 (Cold-Formed Metal Framing)	
						Y	
		97mil	s (12ga)	Coating: Color coding:	CP60 per ASTM C955 Red		
Geometric Pro	perties	S					×
Web depth	5.856						Track
Leg width	1.5 in					m	Ē
Design thickness	0.1017		Min. steel		0.0966 in	sc cg	
Yield strength, Fy	50 ksi		*Fy with C	old-Work, Fya	50.0 ksi		6
Ultimate, Fu	65.0 k	SI				5 - 70	t
Gross Section	Prope	rties (of Full Sect	tion, Strong	Axis		Structural
Cross sectional ar	Cross sectional area (A)				0.862 in ²		E.
Member weight pe	Member weight per foot of length				2.93 lb/ft	(t) <u>- </u>	0)
Moment of inertia	Moment of inertia (Ix)				3.905 in⁴		
Section modulus (Sx)					1.334 in ³	Y	
Radius of gyration	Radius of gyration (Rx)				2.128 in	UIDTH	
Gross moment of i	Gross moment of inertia (ly)				0.153 in⁴		
Gross radius of gyration (Ry)					0.421 in	Used in framing applications:	
Effective Section	on Pro	norti	es Strong	Avis		 Load-bearing walls 	
Effective Section Properties, Strong Axis Effective Area (Ae) 0.678 in ²					Curtain walls		
Effective Area (Ae) Moment of inertia for deflection (Ix)					3.905 in⁴	 Tall interior walls 	
Section modulus (Sx)					1.278 in ³		
Allowable bending moment (Ma)					38.28 in-k	 Floor & ceiling joists 	
, alonablo bollarig					00120 111 1	Table a sec	

10197 lb

Trusses

Torsional Properties

Allowable shear force in web

St. Venant torsion constant (J x 1000)	2.973 in ⁴
Warping constant (Cw)	0.937 in ⁶
Distance from shear center to neutral axis (Xo)	-0.684 in
Distance between shear center and web centerline (m)	0.436 in
Radii of gyration (Ro)	2.275 in
Torsional flexural constant (Beta)	0.909

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: