

Product Submittal Sheet

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

Product catego	ory: T150	T150 (1-1/2" Leg Structural Track) 800T150-43 (33ksi, CP60) - Unpunched 43mils (18ga) Coating: CP60 per ASTM C955		05.40.00 (Cold-Formed Meta
Product name:	800T			5
		Color coding		
Geometric Pro	perties			
Web depth	8.161 in			
Leg width	1.5 in			m
Design thickness	0.0451 in	Min. steel thickness	0.0428 in	
Yield strength, Fy		*Fy with Cold-Work, Fya	33.0 ksi	
Ultimate, Fu	45.0 ksi			× × ×
Gross Section	Properties	of Full Section, Strong	Axis	
Cross sectional ar	Cross sectional area (A)			
Member weight per foot of length			1.69 lb/ft	(t)
Moment of inertia (Ix)			4.145 in⁴	
Section modulus (Sx)			1.016 in ³	Ÿ
Radius of gyration (Rx)			2.892 in	
Gross moment of inertia (ly)			0.077 in ⁴	
Gross radius of gyration (Ry)			0.395 in	Used in framing application
Effective Section	on Properti	ies, Strong Axis		 Load-bearing walls
Effective Area (Ae	-	 Curtain walls 		
Moment of inertia for deflection (Ix)			0.186 in² 3.690 in⁴	 Tall interior walls
Section modulus (Sx)			0.655 in ³	
Allowable bending moment (Ma)			12.95 in-k	 Floor & ceiling joists
,on able bending		/	12.00 11 1	T

Trusses

Allowable shear force in web **Torsional Properties**

St. Venant torsion constant (J x 1000)	0.336 in⁴
Warping constant (Cw)	0.972 in ⁶
Distance from shear center to neutral axis (Xo)	-0.584 in
Distance between shear center and web centerline (m)	0.386 in
Radii of gyration (Ro)	2.977 in
Torsional flexural constant (Beta)	0.961

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).

1030 lb

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:

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