

Product Submittal Sheet

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

Product category:	T250 (2-1/2" Leg	Structural Track)	1	05.40.00 (Cold-Formed Metal Fram	ing)
Product name:	362T250-97 (50k			Y	
	97mils (12ga)		CP60 per ASTM C955		
Geometric Propertie	es				×
Web depth 3.981	l in				Track
Leg width 2.5 ir Design thickness 0.10 ²		l thickness	0.0966 in	<u>ج</u>	
Yield strength, Fy 50 ks		Cold-Work, Fya	50.0 ksi		a
Ultimate, Fu 65.0	•	5010-7701K, 1 ya	50.0 KSI		tur
Gross Section Prope	erties of Full Sec	tion, Strong	Axis		Structural
Cross sectional area (A)					t.
Member weight per foot of length			2.98 lb/ft	(t)	S
Moment of inertia (Ix)			2.300 in⁴		
Section modulus (Sx)			1.156 in ³	Ŷ	
Radius of gyration (Rx)			1.621 in	LEG WIDTH	
			0.570 in⁴		
Gross radius of gyration	(Ry)		0.807 in	Used in framing applications:	
Effective Section Properties, Strong Axis			 Load-bearing walls 		
Effective Area (Ae)	. /	•	0.666 in ²	 Curtain walls 	
Moment of inertia for deflection (Ix)		2.070 in ⁴	 Tall interior walls 		
Section modulus (Sx)			0.852 in ³		
Allowable bending moment (Ma)		25.50 in-k	 Floor & ceiling joists 		

6622 lb

Trusses

Allowable shear force in web **Torsional Properties**

Torsional Properties	
St. Venant torsion constant (J x 1000)	3.016 in⁴
Warping constant (Cw)	1.524 in ⁶
Distance from shear center to neutral axis (Xo)	-1.667 in
Distance between shear center and web centerline (m)	0.969 in
Radii of gyration (Ro)	2.461 in
Torsional flexural constant (Beta)	0.541

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: