

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)		05.40.00 (Cold-Formed Metal Framing)
Product name:		1600T250-68 (50ksi, CP60) - Ur	punched	Y
	,	Color codin	g: CP60 per ASTM C955 g: Orange	
Geometric Pro Web depth Leg width Design thickness	perties 16.250 2.5 in 0.0713	in	0.0677 in	
Yield strength, Fy Ultimate, Fu	50 ksi 65.0 ksi	*Fy with Cold-Work, Fya	u 50.0 ksi	Structural
Gross Section	Propert	ies of Full Section, Strong	J Axis	.n.ct
Cross sectional area (A)			1.496 in ²	
Member weight per foot of length			5.09 lb/ft	(t) (C)
Moment of inertia (Ix)			47.599 in⁴	
Section modulus (Sx)			5.858 in ³	Y
Radius of gyration				
Gross moment of inertia (ly)			0.586 in⁴	
Gross radius of gyration (Ry)			0.626 in	Used in framing applications:
Effective Section	on Prop	erties, Strong Axis		• Load-bearing walls
Effective Area (Ae)			0.394 in ²	Curtain walls
Moment of inertia for deflection (Ix)			37.067 in ⁴	 Tall interior walls
Section modulus (Sx)			2.864 in ³	 Floor & ceiling joists
Allowable bending moment (Ma)			85.75 in-k	•••
Allowable shear fo	rce in we	b	2030 lb	• Trusses
Torsional Prop	erties			
St. Venant torsion constant (J x 1000)			2.535 in ⁴	
Warping constant (Cw)			29.878 in ⁶	

Distance from shear center to neutral axis (Xo) -0.878 in Distance between shear center and web centerline (m) 0.588 in Radii of gyration (Ro) 5.742 in Torsional flexural constant (Beta) 0.977 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 -- ClarkDietrich'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: