

Product Submittal Sheet

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

Product category:	T250	T250 (2-1/2" Leg Structural Track)		05.40.00 (Cold-Formed Metal Framing)	
Product name:		250-68 (50ksi, CP60) - Unpi		Y	
	68mil	s (14ga) Coating	: CP60 per ASTM C955		
		Color coding			
Geometric Proper	ties	0	0		×
	250 in				Track
	5 in			m	<u> </u>
)713 in	Min. steel thickness	0.0677 in		
-	ksi	*Fy with Cold-Work, Fya	50.0 ksi		ច
	.0 ksi			₩ - Xo	i
Gross Section Pro	perties (of Full Section, Strong	Axis		Structural
Cross sectional area (A)			0.926 in ²		
Member weight per foot of length			3.15 lb/ft	(t)	S
Moment of inertia (Ix)			8.981 in ⁴		
Section modulus (Sx)			2.177 in ³	ţ	
Radius of gyration (Rx)			3.115 in		
Gross moment of inertia (ly)			0.509 in ⁴		
Gross radius of gyration (Ry)		0.741 in	Used in framing applications:		
Effective Section Properties, Strong Axis			 Load-bearing walls 		
Effective Area (Ae)			0.383 in ²	Curtain walls	
Moment of inertia for deflection (Ix)			7.589 in⁴	Tall interior walls	
Section modulus (Sx)			1.560 in ³	Floor & coiling joists	

- Floor & ceiling joists
- Trusses

Allowable shear force in web **Torsional Properties**

Allowable bending moment (Ma)

St. Venant torsion constant (J x 1000)	1.569 in⁴
Warping constant (Cw)	6.151 in ⁶
Distance from shear center to neutral axis (Xo)	-1.261 in
Distance between shear center and web centerline (m)	0.793 in
Radii of gyration (Ro)	3.441 in
Torsional flexural constant (Beta)	0.866

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).

46.72 in-k

4087 lb

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:
1		