

# **Product Submittal Sheet**

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

Product catego	ory: T125	T125 (1-1/4" Leg Structural Track)		05.40.00 (Cold-Formed Met
Product name:		125-43 (33ksi, CP60) - Unp	•	Y
	43mil	ls (18ga) Coating Color coding	: CP60 per ASTM C955 : Yellow	
<b>Geometric Pro</b>	perties			
Web depth	6.161 in			
Leg width	1.25 in			m
Design thickness	0.0451 in	Min. steel thickness	0.0428 in	
Yield strength, Fy	33 ksi	*Fy with Cold-Work, Fya	33.0 ksi	
Ultimate, Fu	45.0 ksi			× Xo
Gross Section	Properties	of Full Section, Strong	Axis	
Cross sectional are	ea (A)		0.383 in <sup>2</sup>	
Member weight per foot of length			1.30 lb/ft	(t) <b></b>
Moment of inertia	(Ix)		1.862 in⁴	
Section modulus (Sx)			0.604 in <sup>3</sup>	Y
Radius of gyration (Rx)			2.205 in	LEG WIDTH
Gross moment of i	nertia (ly)		0.044 in⁴	
Gross radius of gy	ration (Ry)		0.337 in	Used in framing applicat
Effective Section	on Properti	es Strong Axis		<ul> <li>Load-bearing walls</li> </ul>
Effective Section Properties, Strong Axis Effective Area (Ae)			0.181 in <sup>2</sup>	<ul> <li>Curtain walls</li> </ul>
• •		(IX)	1.768 in <sup>4</sup>	<ul> <li>Tall interior walls</li> </ul>
Moment of inertia for deflection (Ix) Section modulus (Sx)			0.461 in <sup>3</sup>	
Allowable bending moment (Ma)			9.11 in-k	<ul> <li>Floor &amp; ceiling joists</li> </ul>
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Trusses

#### **Torsional Properties**

Allowable shear force in web

St. Venant torsion constant (J x 1000)	0.260 in <sup>4</sup>
Warping constant (Cw)	0.307 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-0.513 in
Distance between shear center and web centerline (m)	0.335 in
Radii of gyration (Ro)	2.289 in
Torsional flexural constant (Beta)	0.950

### **ASTM & Code Standards:**

- AISI North American Specification [NASPEC] S100-16
- \* 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

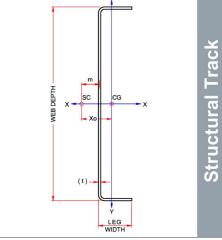
LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

1377 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:

## etal Framing)



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