

# **Product Submittal Sheet**

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

**Product category:** T300 (3" Leg Structural Track)

Product name: 1350T300-68 (50ksi, CP60) - Unpunched

68mils (14ga) Coating: CP60 per ASTM C955

Color coding: Orange

### **Geometric Properties**

Web depth 13.750 in Leg width 3 in

Design thickness 0.0713 in Min. steel thickness 0.0677 in Yield strength, Fy 50 ksi \*Fy with Cold-Work, Fya 50.0 ksi

Ultimate, Fu 65.0 ksi

### **Gross Section Properties of Full Section, Strong Axis**

Cross sectional area (A)	1.389 in <sup>2</sup>	
Member weight per foot of length	4.73 lb/ft	
Moment of inertia (Ix)	34.578 in <sup>4</sup>	
Section modulus (Sx)	5.030 in <sup>3</sup>	
Radius of gyration (Rx)	4.989 in	
Gross moment of inertia (Iy)	0.955 in⁴	
Gross radius of gyration (Ry)	0.829 in	

### **Effective Section Properties, Strong Axis**

Effective Area (Ae)	0.395 in <sup>2</sup>
Moment of inertia for deflection (Ix)	26.520 in⁴
Section modulus (Sx)	2.427 in <sup>3</sup>
Allowable bending moment (Ma)	72.67 in-k
Allowable shear force in web	2409 lb

### **Torsional Properties**

St. Venant torsion constant (J x 1000)	2.354 in⁴
Warping constant (Cw)	33.361 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-1.289 in
Distance between shear center and web centerline (m)	0.838 in
Radii of gyration (Ro)	5.219 in
Torsional flexural constant (Beta)	0.939

### **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)

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05.40.00 (Cold-Formed Metal Framing)

## Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fav:	Fav:

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