

# **Product Submittal Sheet**

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

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

**Product name:** 350T300-43 (33ksi, CP60) - Unpunched

> 43mils (18ga) Coating: CP60 per ASTM C955

> > Color coding: Yellow

### **Geometric Properties**

Web depth 3.661 in Lea width 3 in

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

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

Cross sectional area (A)	0.428 in <sup>2</sup>
Member weight per foot of length	1.46 lb/ft
Moment of inertia (Ix)	1.044 in <sup>4</sup>
Section modulus (Sx)	0.570 in <sup>3</sup>
Radius of gyration (Rx)	1.562 in
Gross moment of inertia (Iy)	0.420 in <sup>4</sup>
Gross radius of gyration (Ry)	0.991 in

# **Effective Section Properties, Strong Axis**

0.181 in<sup>2</sup> Effective Area (Ae) Moment of inertia for deflection (Ix) 0.710 in4 Section modulus (Sx) 0.276 in<sup>3</sup> Allowable bending moment (Ma) 5.45 in-k Allowable shear force in web 1739 lb

This section does not meet the requirements of AISI North American Specifications. Increase the thickness or contact ClarkDietrich Technical Services @ 888-437-3244 for design solutions.

### **Torsional Properties**

St. Venant torsion constant (J x 1000)	0.290 in⁴
Warping constant (Cw)	0.976 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-2.172 in
Distance between shear center and web centerline (m)	1.238 in
Radii of gyration (Ro)	2.853 in
Torsional flexural constant (Beta)	0.420

### **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

Fax:

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)

# (t)

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:

Phone: Fax:

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