

# **Product Submittal Sheet**

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

T250 (2-1/2" Leg Structural Track) **Product category:** 

**Product name:** 1150T250-54 (50ksi, CP60) - Unpunched

> 54mils (16ga) Coating: CP60 per ASTM C955

> > Color coding: Green

### **Geometric Properties**

Web depth 11.698 in Lea width 2.5 in

Design thickness 0.0566 in Min. steel thickness 0.0538 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**

0.933 in <sup>2</sup>
3.18 lb/ft
16.739 in⁴
2.862 in <sup>3</sup>
4.235 in
0.442 in <sup>4</sup>
0.688 in

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

0.250 in<sup>2</sup> Effective Area (Ae) Moment of inertia for deflection (Ix) 12.508 in4 Section modulus (Sx) 1.314 in<sup>3</sup> Allowable bending moment (Ma) 39.33 in-k Allowable shear force in web 1414 lb

### **Torsional Properties**

St. Venant torsion constant (J x 1000) 0.997 in4 Warping constant (Cw) 11.194 in<sup>6</sup> -1.063 in Distance from shear center to neutral axis (Xo) Distance between shear center and web centerline (m) 0.692 in Radii of gyration (Ro) 4.420 in Torsional flexural constant (Beta) 0.942

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

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 - 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)

# (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:

Fax:

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