Product Submittal Sheet

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

Product Submittal Sheet

Product category: T125 (1-1/4" Leg Structural Track)
Product name: 600T125-54 (50ksi, CP60) - Unpunched

Coating: CP60 per ASTM C955
Color coding: Green

Geometric Properties

Web depth: 6.198 in
Leg width: 1.25 in
Design thickness: 0.0566 in
Min. steel thickness: 0.0538 in
Yield strength, Fy: 50 ksi
Ultimate, Fu: 65.0 ksi

Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A) = 0.480 in²
Member weight per foot of length = 1.63 lb/ft
Moment of inertia (Ix) = 2.345 in⁴
Section modulus (Sx) = 0.757 in³
Radius of gyration (Rx) = 2.209 in
Gross moment of inertia (Iy) = 0.054 in⁴
Gross radius of gyration (Ry) = 0.335 in

Effective Section Properties, Strong Axis

Effective Area (Ae) = 0.234 in²
Moment of inertia for deflection (Ix) = 2.241 in⁴
Section modulus (Sx) = 0.592 in³
Allowable bending moment (Ma) = 17.74 in-k
Allowable shear force in web = 2728 lb

Torsional Properties

St. Venant torsion constant (J x 1000) = 0.513 in⁴
Warping constant (Cw) = 0.384 in⁶
Distance from shear center to neutral axis (Xo) = -0.508 in
Distance between shear center and web centerline (m) = 0.332 in
Radii of gyration (Ro) = 2.292 in
Torsional flexural constant (Beta) = 0.951

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 the chemical and mechanical 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)

Project Information
Name:
Address:

Contractor Information
Name:
Contact:
Phone:
Fax:

Architect Information
Name:
Contact:
Phone:
Fax:

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