Product Submittal Sheet

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

05.40.00 (Cold-Formed Metal Framing)

Geometric Properties

- Web depth: 3.786 in
- Leg width: 1.25 in
- Design thickness: 0.0451 in
- Min. steel thickness: 0.0428 in
- Yield strength, Fy: 33 ksi
- Ultimate, Fu: 45.0 ksi
- *Fy with Cold-Work, Fya: 33.0 ksi

Gross Section Properties of Full Section, Strong Axis

- Cross sectional area (A): 0.276 in²
- Member weight per foot of length: 0.94 lb/ft
- Moment of inertia (Ix): 0.571 in⁴
- Section modulus (Sx): 0.302 in³
- Radius of gyration (Rx): 1.439 in
- Gross moment of inertia (Iy): 0.039 in⁴
- Gross radius of gyration (Ry): 0.375 in

Effective Section Properties, Strong Axis

- Effective Area (Ae): 0.174 in²
- Moment of inertia for deflection (Ix): 0.531 in⁴
- Section modulus (Sx): 0.245 in³
- Allowable bending moment (Ma): 4.84 in-k
- Allowable shear force in web: 1739 lb

Torsional Properties

- St. Venant torsion constant (J x 1000): 0.187 in⁴
- Warping constant (Cw): 0.098 in⁶
- Distance from shear center to neutral axis (Xo): -0.654 in
- Distance between shear center and web centerline (m): 0.407 in
- Radii of gyration (Ro): 1.625 in
- Torsional flexural constant (Beta): 0.838

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, IIC-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:

CD-STRT © 07/20 ClarkDietrich Building Systems

Product category: T125 (1-1/4" Leg Structural Track)
Product name: 362T125-43 (33ksi, CP60) - Unpunched
43mils (18ga)

Coating: CP60 per ASTM C955
Color coding: Yellow

Used in framing applications:
- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

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