Product Submittal Sheet

Product category: T125 (1-1/4" Leg Structural Track)
Product name: 600T125-43 (33ksi, CP60) - Unpunched
43mils (18ga)
Coating: CP60 per ASTM C955
Color coding: Yellow

Geometric Properties
Web depth 6.161 in
Leg width 1.25 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) 0.383 in²
Member weight per foot of length 1.30 lb/ft
Moment of inertia (Ix) 1.862 in⁴
Section modulus (Sx) 0.604 in³
Radius of gyration (Rx) 2.205 in
Gross moment of inertia (Iy) 0.044 in⁴
Gross radius of gyration (Ry) 0.337 in

Effective Section Properties, Strong Axis
Effective Area (Ae) 0.181 in²
Moment of inertia for deflection (Ix) 1.768 in⁴
Section modulus (Sx) 0.461 in³
Allowable bending moment (Ma) 9.11 in-k
Allowable shear force in web 1377 lb

Torsional Properties
St. Venant torsion constant (J x 1000) 0.260 in⁴
Warping constant (Cw) 0.307 in⁶
Distance from shear center to neutral axis (Xo) -0.513 in
Distance between shear center and web centerline (m) 0.335 in
Radii of gyration (Ro) 2.289 in
Torsional flexural constant (Beta) 0.950

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)