

Product category: T125 (1-1/4" Leg Structural Track)
Product name: **600T125-43 (33ksi, CP60) - Unpunched**
 43mils (18ga) Coating: CP60 per AISI S240
 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 in ²
Member weight per foot of length	1.30 lb/ft
Moment of inertia (Ix)	1.862 in ⁴
Section modulus (Sx)	0.604 in ³
Radius of gyration (Rx)	2.205 in
Gross moment of inertia (Iy)	0.044 in ⁴
Gross radius of gyration (Ry)	0.337 in

Effective Section Properties, Strong Axis

Effective Area (Ae)	0.181 in ²
Moment of inertia for deflection (Ix)	1.768 in ⁴
Section modulus (Sx)	0.461 in ³
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 in ⁴
Warping constant (Cw)	0.307 in ⁶
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

Code Approvals & Performance Standards

AISI S100-16 - North American Specification for the Design of CFS Structural Members

- Effective properties incorporate the strength increase from the cold work of forming

AISI S240-15 - North American Standard for Cold-Formed Steel Structural Framing

- Section A3 - Material - Chemical & mechanical requirements (Referencing ASTM A1003/A1003M)
- Section A4 - Corrosion Protection (Referencing ASTM A653/A653M)
- Section A5 - Products - Thickness, shapes, tolerances, identification
- Section C - Installation - (Referencing ASTM C1007)

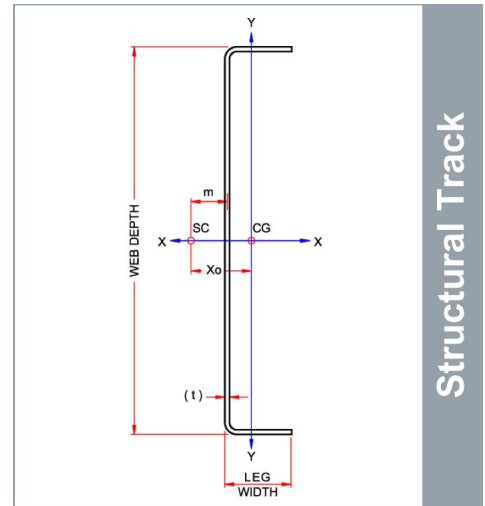
AISI S202-15 - Code of Standard Practice for Cold-Formed Steel Structural Framing

- Section F3 - Delivery, Handling and Storage of Materials

ClarkDietrich's structural framing comply with:

- Intertek CCRR-0206
- SFIA Code Compliance Certification Program
- ICC-ES ESR-1166P
- ICC-ES ESR-1166P - LABC and LARC Supplement
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

05.40.00 (Cold-Formed Metal Framing)



Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses

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)