

Product category: T200 (2" Leg Structural Track)
Product name: **1150T200-43 (33ksi, CP60) - Unpunched**
 43mils (18ga) Coating: CP60 per ASTM C955
 Color coding: Yellow

Geometric Properties

Web depth	11.661 in		
Leg width	2 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)	0.699 in ²
Member weight per foot of length	2.38 lb/ft
Moment of inertia (Ix)	11.790 in ⁴
Section modulus (Sx)	2.022 in ³
Radius of gyration (Rx)	4.108 in
Gross moment of inertia (Iy)	0.188 in ⁴
Gross radius of gyration (Ry)	0.519 in

Effective Section Properties, Strong Axis

Effective Area (Ae)	0.192 in ²
Moment of inertia for deflection (Ix)	9.241 in ⁴
Section modulus (Sx)	0.999 in ³
Allowable bending moment (Ma)	19.75 in-k
Allowable shear force in web	714 lb

Torsional Properties

St. Venant torsion constant (J x 1000)	0.474 in ⁴
Warping constant (Cw)	4.871 in ⁶
Distance from shear center to neutral axis (Xo)	-0.752 in
Distance between shear center and web centerline (m)	0.500 in
Radii of gyration (Ro)	4.208 in
Torsional flexural constant (Beta)	0.968

Web-depth to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

ASTM & Code Standards:

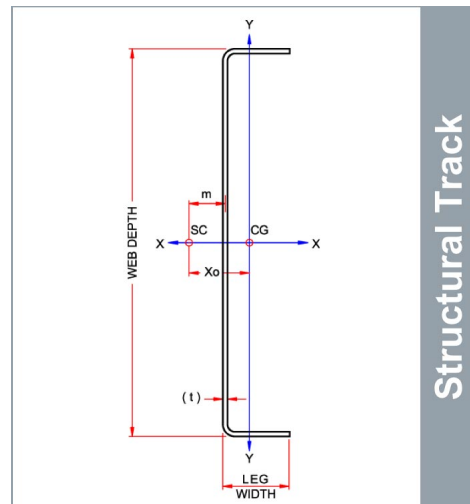
- AISI North American Specification [NASPEC] S100-07 with 2010 supplement
- * Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the gross section away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955
- Sheet 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 ATI CCRR-0206
- For installation & storage information refer to ASTM C1007
- MSDS & Product Certification Information is available at www.clarkdietrich.com

GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.

LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

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

Name:
Address:

Contractor Information

Name:
Contact:
Phone:
Fax:

Architect Information

Name:
Contact:
Phone:
Fax: