

**Product category:** T350 (3-1/2" Leg Structural Track)  
**Product name:** 1200T350-68 (50ksi, CP60) - Unpunched  
 68mils (14ga)      Coating: CP60 per ASTM C955  
   Color coding: Orange

**Geometric Properties**

Web depth              12.250 in  
 Leg width              3.5 in  
 Design thickness    0.0713 in      Min. steel thickness      0.0677 in  
 Yield strength, Fy    50 ksi             \*Fy with Cold-Work, Fya    50.0 ksi  
 Ultimate, Fu          65.0 ksi

**Gross Section Properties of Full Section, Strong Axis**

Cross sectional area (A)                  1.354 in<sup>2</sup>  
 Member weight per foot of length    4.61 lb/ft  
 Moment of inertia (Ix)                    28.730 in<sup>4</sup>  
 Section modulus (Sx)                    4.691 in<sup>3</sup>  
 Radius of gyration (Rx)                 4.607 in  
 Gross moment of inertia (Iy)            1.435 in<sup>4</sup>  
 Gross radius of gyration (Ry)         1.030 in

**Effective Section Properties, Strong Axis**

Effective Area (Ae)                        0.395 in<sup>2</sup>  
 Moment of inertia for deflection (Ix)    23.491 in<sup>4</sup>  
 Section modulus (Sx)                    2.268 in<sup>3</sup>  
 Allowable bending moment (Ma)        67.89 in-k  
 Allowable shear force in web           2713 lb

**Torsional Properties**

St. Venant torsion constant (J x 1000)    2.294 in<sup>4</sup>  
 Warping constant (Cw)                    38.623 in<sup>6</sup>  
 Distance from shear center to neutral axis (Xo)    -1.725 in  
 Distance between shear center and web centerline (m)    1.092 in  
 Radii of gyration (Ro)                    5.026 in  
 Torsional flexural constant (Beta)        0.882

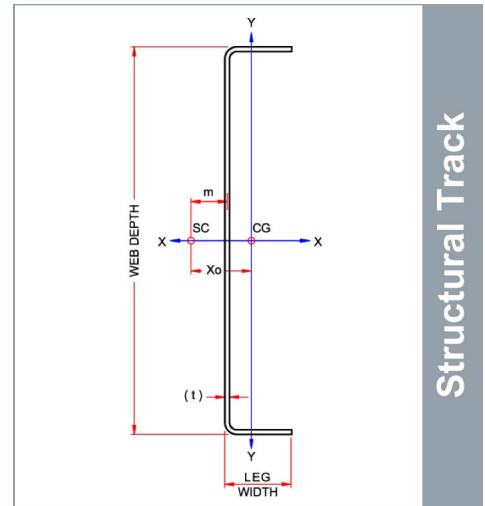
**ASTM & Code Standards:**

- 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 [tools.clarkdietrich.com](http://tools.clarkdietrich.com)

**Sustainability Credits:**

For more details and LEED letters contact Technical Services at 888-437-3244 or visit [www.clarkdietrich.com/LEED](http://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](mailto:info@clarkdietrich.com) / 888-437-3244)

**05.40.00 (Cold-Formed Metal Framing)**



Structural Track

**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: