# PRODUCT SUBMITTAL SHEET

For more information or questions, please contact:
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## 800T125-33[1] Track

Product Description: 8” Track STR 20GA (1-1/4” Leg, 33mil)

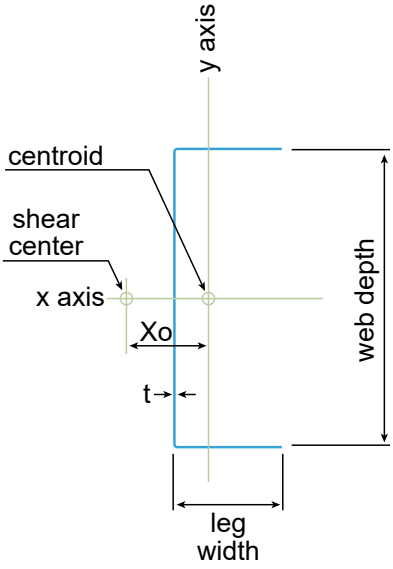
Coating: G60 (standard), G90 (special order)

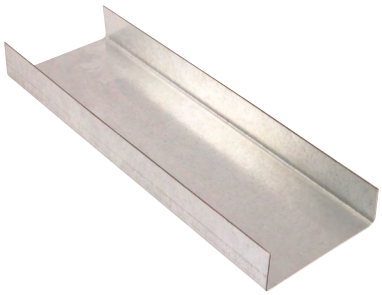
Specification Section: 05.40.00 (Cold-Formed Metal Framing)

| GEOMETRIC PROPERTIES | | | |
|---|---|---|---|
| Web Depth | 8 in. | Yield Strength, Fy | 33 ksi |
| Leg Width | 1.25 in. | Design Thickness | 0.0346 in. |
| | | Min. Steel Thickness | 0.0329 in. |

| GROSS PROPERTIES | | |
|---|---|---|
| Area (in2) | Total cross-sectional steel area | 0.363 |
| Weight (lb/ft) | Linear weight per foot | 1.24 |
| Ix (in$^4$) | Moment of inertia about the x-axis | 2.897 |
| Sx (in$^3$) | Section modulus about the x-axis | 0.711 |
| Rx (in) | Radius of gyration about the x-axis | 2.824 |
| Iy (in$^4$) | Moment of inertia about the y-axis | 0.036 |
| Ry (in) | Radius of gyration about the y-axis | 0.313 |
| | | |
| EFFECTIVE PROPERTIES | | |
| Ix (in$^3$) | Effective moment of inertia (x-axis) | 2.441 |
| Sx (in$^3$) | Effective section modulus (x-axis) | 0.407 |
| Ma (in-k) | Allowable bending moment-effective section modulus | 6.71 |
| $Va_g$ (lb) | Allowable shear force in web | 465 |
| | | |
| TORSIONAL PROPERTIES | | |
| J x 1000 (in$^4$) | St. Venant torsional constant | 0.1449 |
| Cw (in$^6$) | Warping constant | 0.456 |
| Xo (in) | Distance from shear center to centroid | -0.439 |
| m (in) | Distance from shear center to mid-plane of web | 0.294 |
| Ro (in) | Polar radius of gyration | 2.875 |
| Beta | Torsional Flexural Constant | 0.977 |

**1 Web-height to thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.*



**Codes & Standards:**

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
- **Building Codes**
  - International Building Code (IBC) 2006–2024

- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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