



Expanding Your Solutions

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## 400VT125-15 (25EQ) VIPERTRACK

### Geometric Properties

4" X 1-1/4" flange 15 mil ViperTracks are manufactured from standard G40 hot-dipped galvanized steel. G60 and G90 coatings are available through special order, and may require up-charges and extended lead times.

### Steel Thickness

| Model No.          | Design Thickness (in) | Minimum Thickness (in) | Yield (ksi) | Web Depth (W) (in) | Coating <sup>4</sup> | Flange (in) |
|--------------------|-----------------------|------------------------|-------------|--------------------|----------------------|-------------|
| 400VT125-15 (25EQ) | 0.0155                | 0.0147                 | 50          | 4                  | G40                  | 1-1/4       |

**Notes:**

1. Uncoated steel thickness. Thickness is for carbon sheet steel.
2. Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness.
3. Per ASTM C645 & A1003.
4. G60 and G90 available upon request. Will require extended lead time and upcharge.

**Color Code (painted on ends):** 15 mil: None with Dark Grey band on pallet

### ASTM & Code Standards:

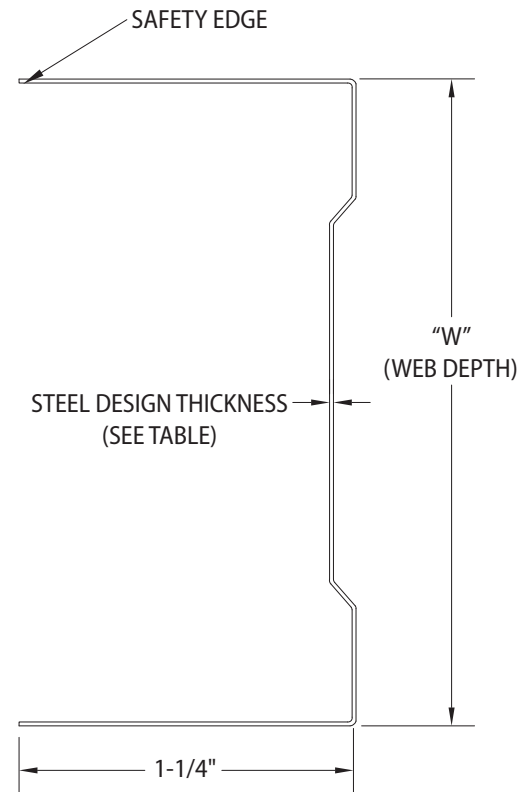
- ASTM A653/A653M, A924/A924M, A1003/1003, C645 & C754
- ICC-ES & SFIA Code Compliance Certification Program
- ICC ESR-2620
- IBC: 2015, 2018, 2021
- ATI CCRR-0154
- CBC: 2016, 2019, 2022
- AISI: S100, S220

### LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

**CEMCO cold-formed steel framing products contain 30% to 37% recycled steel.**

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%



### Interior Non-Load Bearing Track Section Properties

| Member             | Leg Size (in) | Gross Properties |             |          |             |                         |                                   |                                   |                     |                                   |                                   |                     | Effective Properties               |                                    |           | Torsional Properties |                                      |                     |                     |       |
|--------------------|---------------|------------------|-------------|----------|-------------|-------------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|------------------------------------|------------------------------------|-----------|----------------------|--------------------------------------|---------------------|---------------------|-------|
|                    |               | Weight (lb/ft)   | Design (in) | Min (in) | Yield (ksi) | Area (in <sup>2</sup> ) | I <sub>x</sub> (in <sup>4</sup> ) | S <sub>x</sub> (in <sup>3</sup> ) | R <sub>x</sub> (in) | I <sub>y</sub> (in <sup>4</sup> ) | S <sub>y</sub> (in <sup>3</sup> ) | R <sub>y</sub> (in) | I <sub>xd</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | Ma (in-k) | X <sub>o</sub> (in)  | J <sub>x103</sub> (in <sup>4</sup> ) | C <sub>w</sub> (in) | R <sub>o</sub> (in) | β     |
| 400VT125-15 (25EQ) | 1.25          | 0.34             | 0.0155      | 0.0147   | 50          | 0.101                   | 0.247                             | 0.120                             | 1.560               | 0.014                             | 0.0141                            | 0.374               | 0.141                              | 0.043                              | 1.27      | -0.638               | 0.0081                               | 0.043               | 1.73                | 0.864 |

**Notes:**

1. Section properties are in accordance with AISI S100-16/S2-20.
2. Cold-work of forming is not included.
3. The effective moment of inertia for deflection is calculated based on AISI S100-16/S2-20 procedure 1 for serviceability determination.
4. The center line bend radius is greater than 2 times the design thickness or 3/32".
5. Web-to-thickness ratio exceeds 200.
6. Web-to-thickness ratio exceeds 260.
7. Flange-width-to-thickness-ratio exceeds 60, only gross properties will be determined.

Check the updated list of Certified Production Facilities at Intertek's website at <http://www.intertek.com/building/sfia>



This technical information reflects the most current information available and supersedes any and all previous publications effective September 25, 2023.

09-25-23 AT