



Expanding Your Solutions

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## 250VXT150-18 VIPER-X INTERIOR TRACK

### Geometric Properties

2-1/2" x 1-1/2" flange Viper-X Tracks 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

| Member       | Design Thickness (in) | Minimum Thickness (in) | Yield (ksi) | Web Depth (W) (in) | Coating <sup>4</sup> | Flange (in) |
|--------------|-----------------------|------------------------|-------------|--------------------|----------------------|-------------|
| 250VXT150-18 | 0.0188                | 0.0179                 | 57          | 2-1/2              | G40                  | 1-1/2       |

**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):** Dark Gray

#### ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/1003, C645 & C754, E119
- IAPMO ER-0524
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019
- AISI: S100, S220

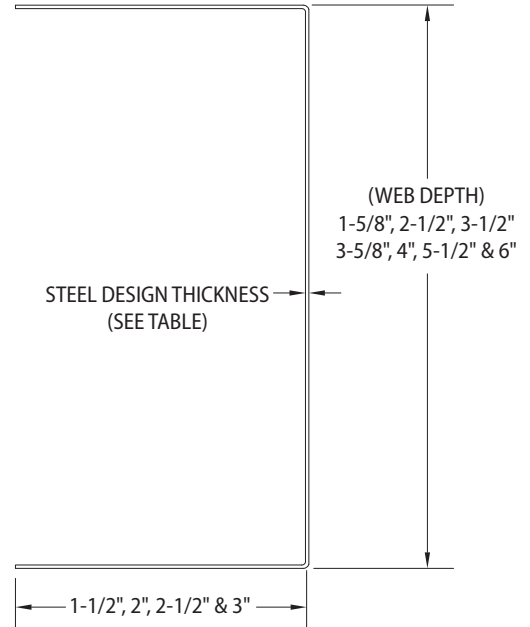
#### LEED v4 for Building and Design Construction

- 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%

**CSI Division:** 09.22.16 – Non-Structural Metal Framing



### Interior Non-Load Bearing Track Section Properties

| Member       | Yield (ksi) | Design Thickness (in) | Gross Properties |                         |                                   |                                   |                     |                                   |                                   |                     | Effective Properties               |                                    |                       |                     | Torsional Properties                      |                                   |                     |                     |       |
|--------------|-------------|-----------------------|------------------|-------------------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|-----------------------------------|---------------------|------------------------------------|------------------------------------|-----------------------|---------------------|-------------------------------------------|-----------------------------------|---------------------|---------------------|-------|
|              |             |                       | Weight (lb/ft)   | 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) | S <sub>y</sub> (in <sup>3</sup> ) | I <sub>y</sub> (in <sup>4</sup> ) | R <sub>y</sub> (in) | I <sub>xe</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | M <sub>a</sub> (k-in) | V <sub>ag</sub> (k) | J (x10 <sup>-6</sup> ) (in <sup>4</sup> ) | C <sub>w</sub> (in <sup>6</sup> ) | X <sub>o</sub> (in) | R <sub>o</sub> (in) | β     |
| 250VXT150-18 | 57          | 0.0188                | 0.351            | 0.103                   | 0.113                             | 0.089                             | 1.046               | 0.055                             | 0.024                             | 0.477               | 0.058                              | 0.034                              | 0.964                 | 0.779               | 12.170                                    | 0.027                             | -0.943              | 1.487               | 0.598 |

**Notes:**

1. Section properties are in accordance with AISI S100 & S220.
2. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius.
3. For deflection calculations, use the effective moment of inertia.

#### Technical Services

Technical Services: 800.416.2278  
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www.cemcosteel.com



This technical information reflects the most current information available and supersedes any and all previous publications effective November 10, 2021.

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