



Expanding Your Solutions

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350VXT125-18 VIPER-X INTERIOR TRACK

Geometric Properties

3-1/2" x 1-1/4" 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 ⁴ | Flange (in) |
|--------------|-----------------------|------------------------|-------------|--------------------|----------------------|-------------|
| 350VXT125-18 | 0.0188 | 0.0179 | 57 | 3-1/2 | 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): Dark Gray

ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/1003, C645 & C754, E119
- IAPMO ER-0524
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016, 2019
- AISI: S100-07, S100-12, S100-16, S220-11, S220-15

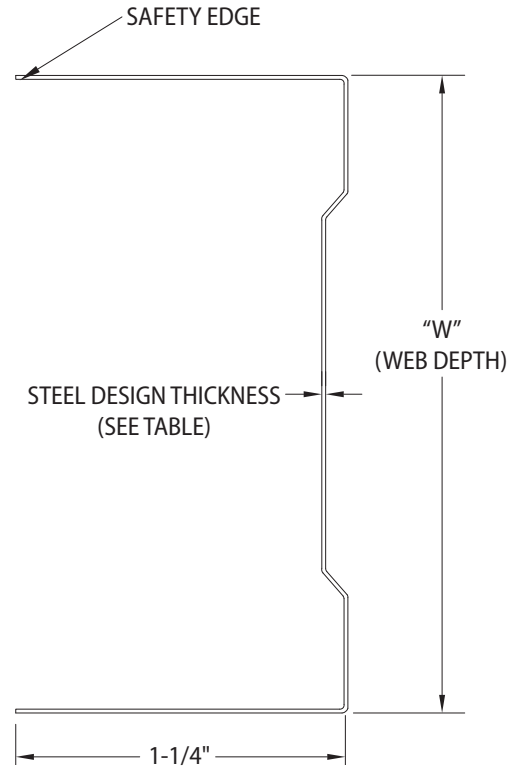
LEED v4 for Building and Design Construction

- 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 ²) | I _x (in ⁴) | S _x (in ³) | R _x (in) | S _y (in ³) | I _y (in ⁴) | R _y (in) | I _{xe} (in ⁴) | S _{xe} (in ³) | Ma (k-in) | Vag (k) | J (x10 ⁻⁶) (in ⁴) | Cw (in ⁶) | Xo (in) | Ro (in) | β |
| 350VXT125-18 | 57 | 0.0188 | 0.383 | 0.113 | 0.211 | 0.120 | 1.369 | 0.054 | 0.015 | 0.369 | 0.119 | 0.051 | 1.458 | 0.630 | 13.280 | 0.036 | -0.631 | 1.552 | 0.835 |

Notes:

1. Section properties are in accordance with AISI S100-16.
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

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This technical information reflects the most current information available and supersedes any and all previous publications effective April 01, 2021.

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