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## 250VT250-33 VIPERTRACK

### Geometric Properties

2-1/2" ViperTrack with 2-1/2" legs is 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.

### Physical Properties

Model No.	Design Thickness (in)	Minimum Thickness (in)	Yield (ksi)	Coating <sup>3,4</sup>	Web Depth (in)	Leg Size (in)	GAP <sup>5</sup> (in)	Load <sup>5</sup> (lb.)	Max Height <sup>5</sup> 5 psf, 16" o.c.
250VT250-33	0.0346	0.0329	33	G40	2-1/2	2-1/2	3/4	75	22'-7"

**Notes:**

- Uncoated steel thickness. Thickness is for carbon sheet steel.
- Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness.
- Per ASTM C645 & A1003, Table 1.
- G60 and G90 available upon request. Will require extended lead time and upcharge.
- Use Gap, Load and Maximum Height data when member is used as a top deflection track.

**Color Code (painted on ends):** 33 mil: White

#### ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/A1003M, C645, C754, E119
- IBC: 2015, 2018, 2021
- 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%

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



### ViperTrack 2.50" Leg

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>x</sub> 1000 (in <sup>4</sup> )	C <sub>w</sub> (in)	R <sub>o</sub> (in)	β
250VT250-33	2.50	0.89	0.0346	0.0329	33	0.260	0.344	0.258	1.150	0.178	0.107	0.827	0.218	0.117	2.32	-1.88	0.1040	0.2210	2.35	0.363

**Notes:**

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