

## **Expanding Your Solutions**

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# Manufacturing Facilities City of Industry CA

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## 362VXT150-22 VIPER-X INTERIOR TRACK

Fax: 626.330.7598

## **Geometric Properties**

3-5/8" 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)	<b>Yield</b> (ksi)	Web Depth (W)	Coating <sup>4</sup>	Flange (in)	
362VXT150-22	0.0235	0.0223	57	3-5/8	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): Pink & Black

#### **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

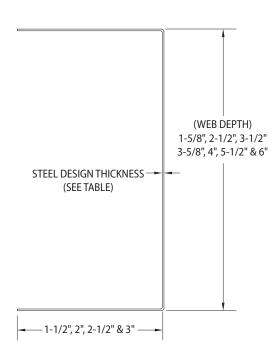
### **LEED v4 for Building and Design Construction**

- 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**

			Gross Properties						Ef	fective I	Properti	es		Torsio	nal Prop	roperties					
	Yield (ksi)		Weight (lb/ft)	Area (in²)	lx (in <sup>4</sup> )	<b>Sx</b> (in³)	Rx (in)	Sy (in³)	ly (in³)	<b>Ry</b> (in)	Ixe (in <sup>4</sup> )	Sxe (in³)	<b>Ma</b> (k-in)	Vag (k)	<b>J</b> (x10 <sup>-6</sup> ) (in <sup>4</sup> )	Cw (in <sup>6</sup> )	<b>Xo</b> (in)	Ro (in)	ß		
362VXT150-22	57	0.0235	0.529	0.156	0.326	0.178	1.448	0.088	0.032	0.455	0.191	0.080	2.276	0.931	28.630	0.080	-0.814	1.722	0.776		

#### Notes

- 1. Section properties are in accordance with AISI S100-16.
- 2. Web depth for track sections is equeal to the nominal height plus 2 times the design thickness plus the bend radius.
- 3. For deflection calculations, use the effective moment of inertia







04-01-21 AT

www.cemcosteel.com

Structural Engineering/Design: 925.473.9340