

VT-HD Spring Hanger

Spring hanger for high loads and large deflections, with up to 2 in. deflection and natural frequencies down to 3 Hz.



The **AMC-MECANOCAUCHO® VT-HD spring hanger** is designed for the suspension of **heavy suspended ceilings and equipment** requiring a high level of low-frequency vibration isolation.

Its **high-deflection spring**, with a **deflection of up to 2 in. (50 mm)**, allows **natural frequencies down to 3 Hz** to be achieved, effectively reducing the transmission of vibration and **structure-borne noise** to the supporting structure.

The high-performance spring provides a **stable elastic response under load**, while the robust hanger design allows **high loads** to be supported while maintaining high vertical flexibility.

The VT-HD range is particularly suitable for installations requiring a combination of **high load capacity, large deflection and very low-frequency vibration isolation**.



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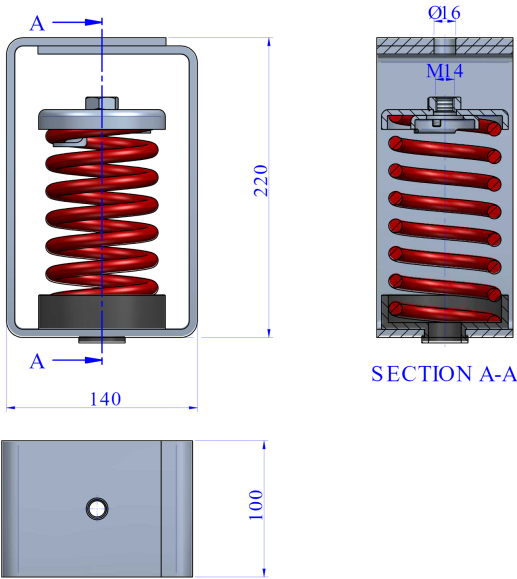
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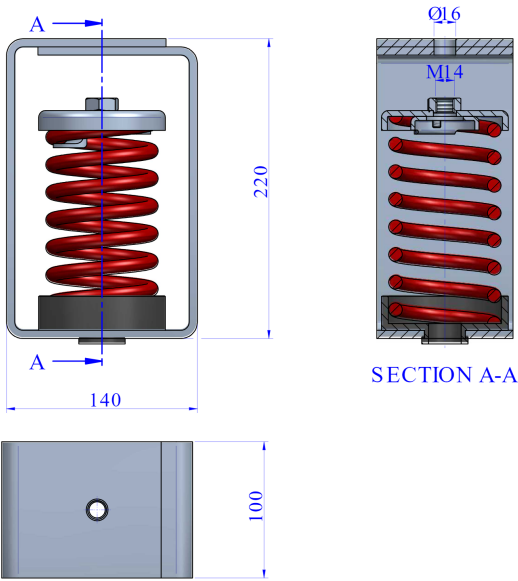
Drawings

VT-67 HD / VT-95 HD / VT-123 HD / VT-173 HD / VT-223 HD / VT-335 HD / VT-446 HD



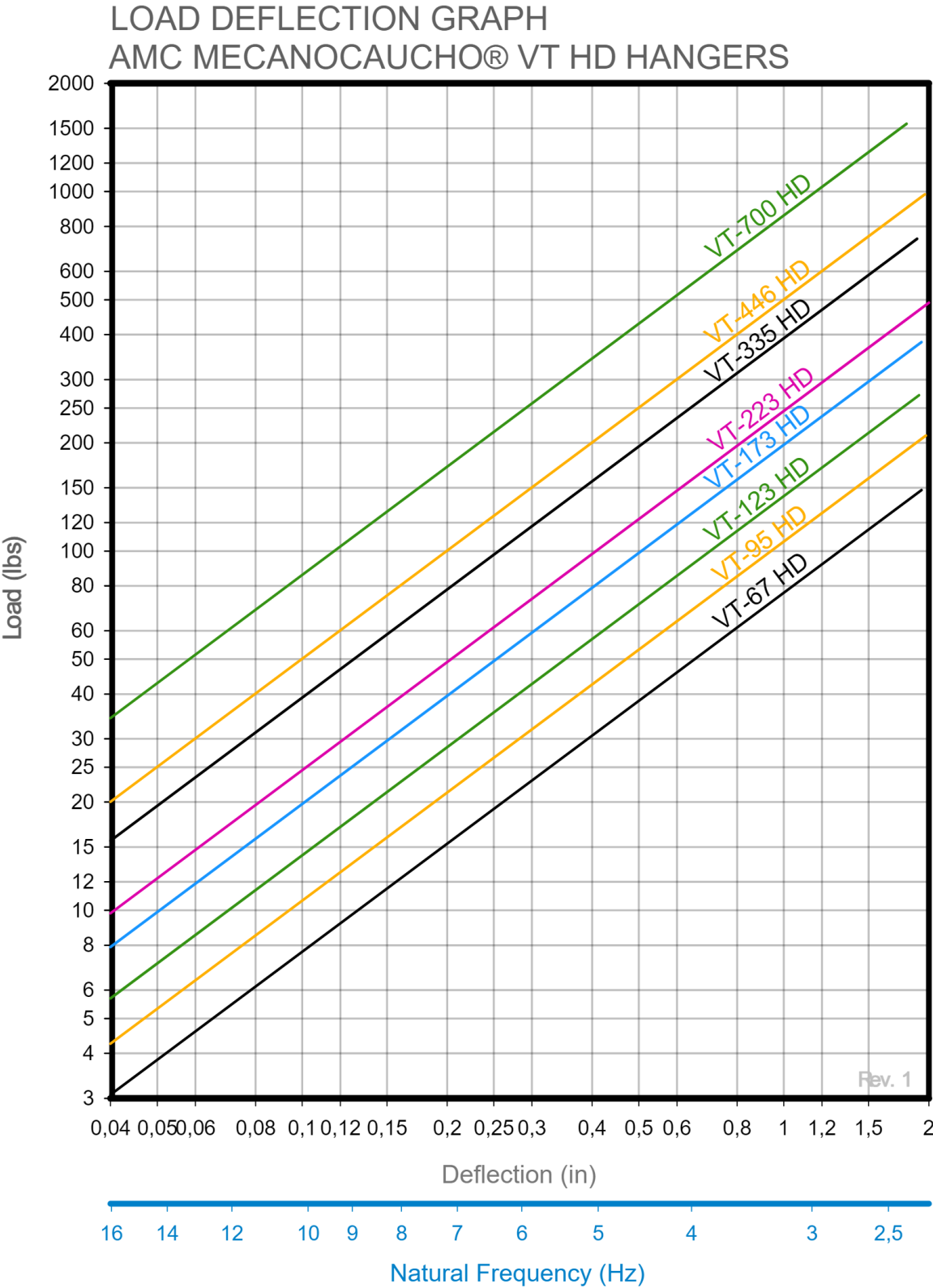
Type	Max. Permanent Load (lbs)	Spring color	Deflection(in)	Code	K(N/mm)
VT-67 HD	148	BLUE	1.97	20235	13
VT-95 HD	209	WHITE	1.97	20239	19
VT-123 HD	271	BLACK	1.97	20236	25
VT-173 HD	381	BEIGE	1.97	20240	35
VT-223 HD	491	RED	1.97	20237	43
VT-335 HD	738	GREY	1.97	20241	68
VT-446 HD	983	GREEN	1.97	20238	88

VT-700 HD



Type	Max. Permanent Load (lbs)	Spring color	Deflection(in)	Code
VT-700 HD	3401	BROWN	0.08	20243

Elastic properties



Technical characteristics

The metallic structure is very robust and it is supplied with an anti-corrosive zinc-plated coat.

The assembly of this hanger is very simple, as it can be directly fastened to the ceiling through its top hole and a stud bolt can be directly fastened to the nut placed over the spring.

AMC-MECANOCAUCHO® VT HD Hangers, due to their low stiffness, are able to reach natural frequencies from 2 to 5Hz, and are specially suitable for applications where high isolation level is required.

<Moreover, these hangers assure the stability of the suspended equipment by limiting the deflection that can be achieved.

NEVER METAL TO METAL CONTACT

The hanger has a clearance that allows the threaded rod to swing within a 35° angle envelope to absorb irregularities in the ceiling.