

VT-HD Anti-Vibration Spring Hanger

Anti-vibration spring hanger for high loads and large deflections, with up to 50 mm deflection and natural frequencies down to 3 Hz.



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

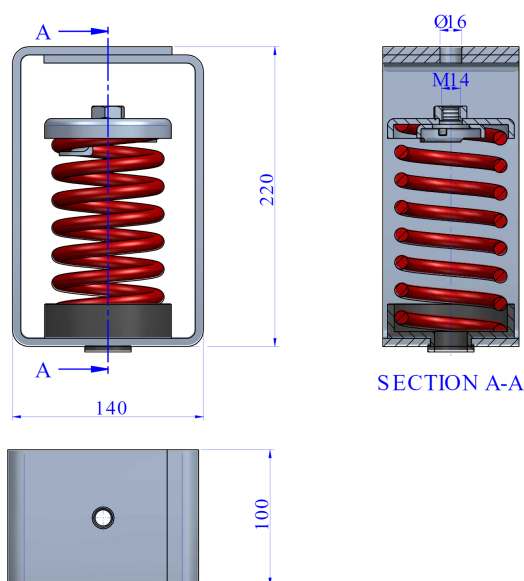
Its **high-deflection spring**, with a **deflection of up to 50 mm (2 inches)**, allows **natural frequencies down to 3 Hz** to be achieved, effectively reducing the transmission of vibration and **structure-borne noise** to the supporting structure.

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

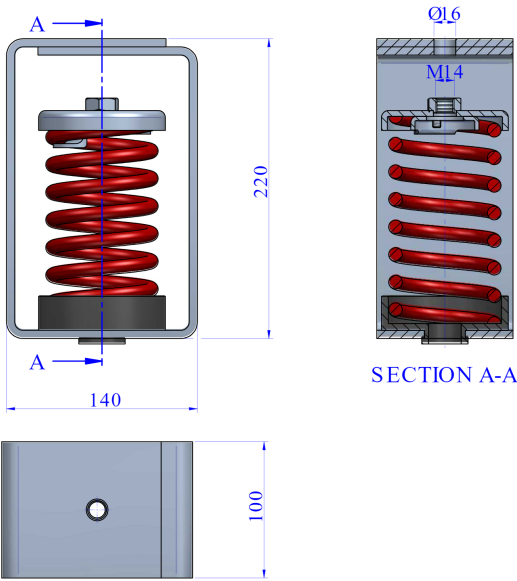
Drawings

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



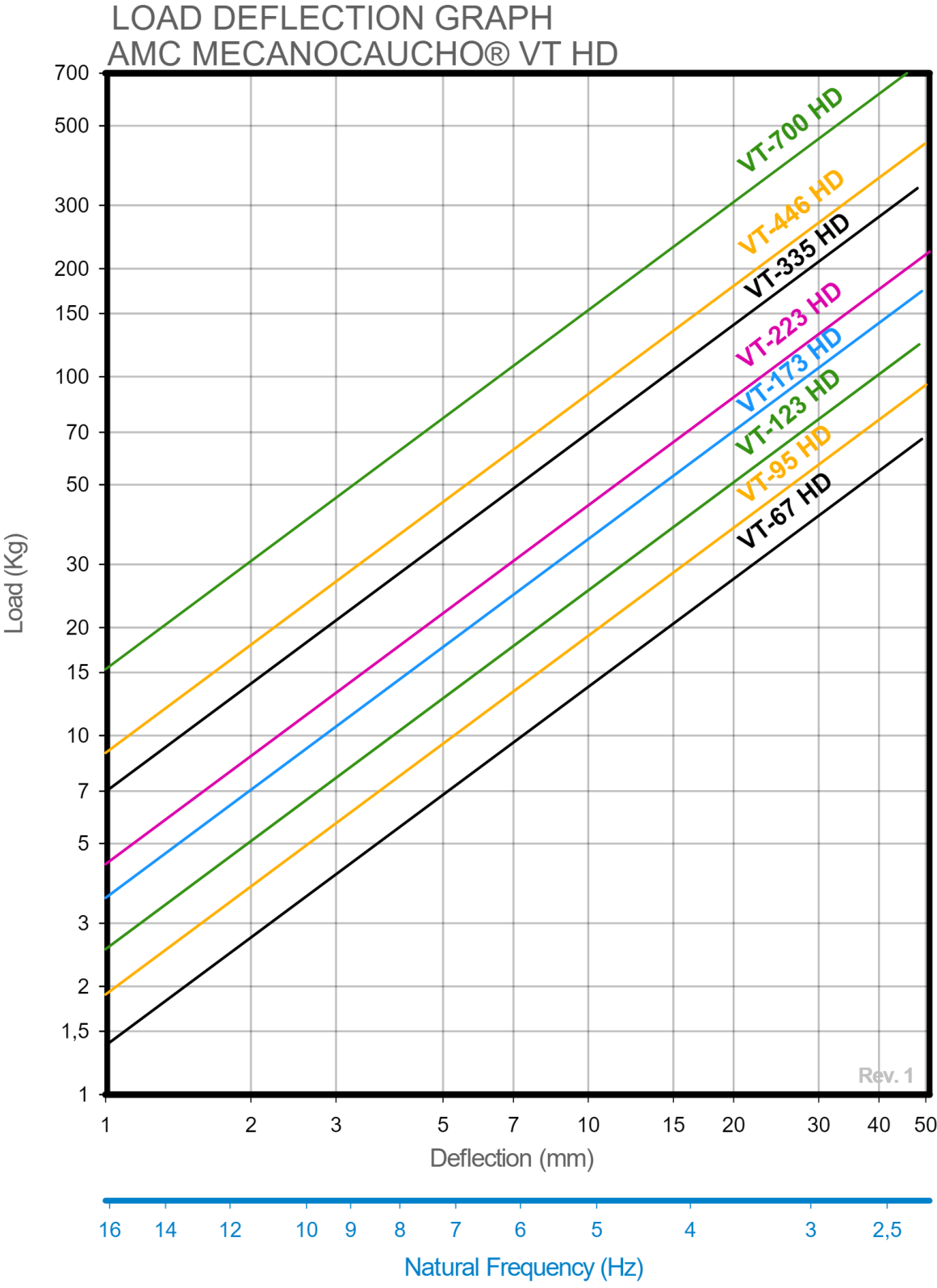
Type	Max. Permanent Load (kg)	Spring color	Deflection(mm)	Code	K(N/mm)
VT-67 HD	67	BLUE	50	20235	13
VT-95 HD	95	WHITE	50	20239	19
VT-123 HD	123	BLACK	50	20236	25
VT-173 HD	173	BEIGE	50	20240	35
VT-223 HD	223	RED	50	20237	43
VT-335 HD	335	GREY	50	20241	68
VT-446 HD	446	GREEN	50	20238	88

VT-700 HD



Type	Max. Permanent Load (kg)	Spring color	Deflection(mm)	Code
VT-700 HD	700	BROWN	50	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.

