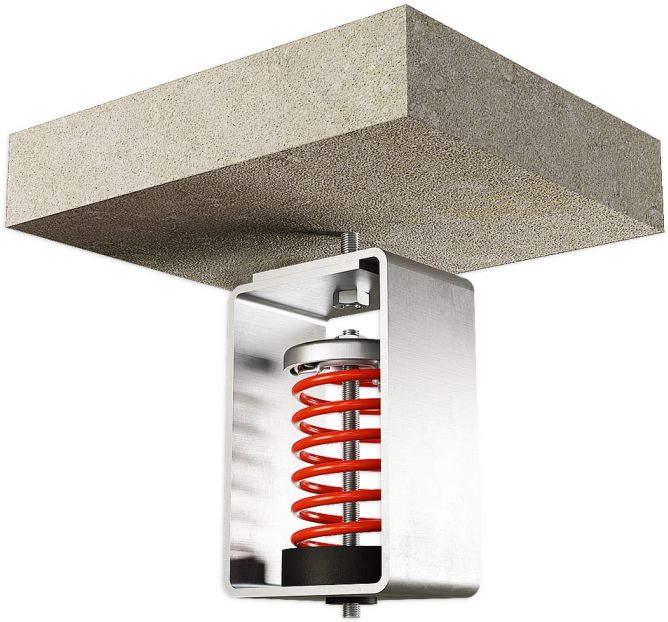
VT-HD Anti-Vibration Spring Hanger

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.

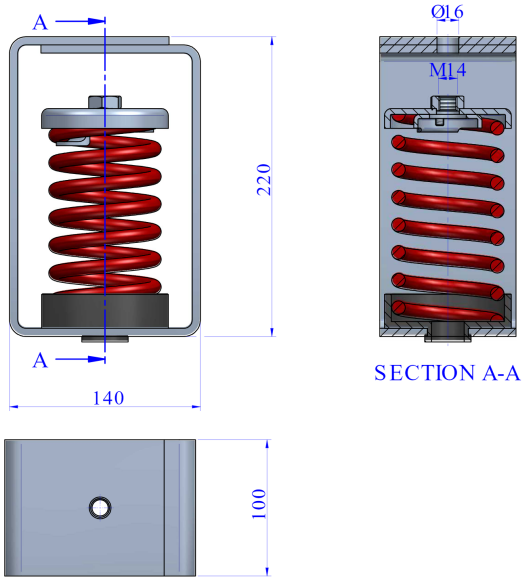
The VT-HD range is particularly suitable for installations requiring a combination of **high load capacity, large deflection and very low-frequency vibration isolation**.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
Document generated on 16/11/2026.

Drawings

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

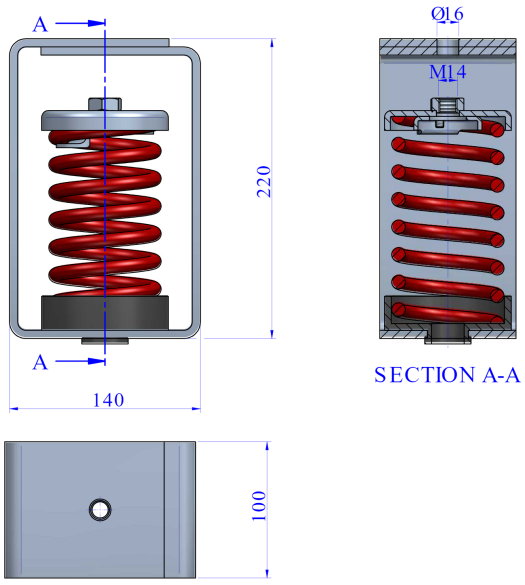


Type	Max. Permanent Load (kg)	Spring color	Deflection(mm)	Code	K(N/mm)
VT-67 HD	67	BLUE	50	20235	13
VT-95 HD	95	WHITE	50	20239	19
VT-123 HD	123	BLACK	50	20236	25
VT-173 HD	173	BEIGE	50	20240	35
VT-223 HD	223	RED	50	20237	43
VT-335 HD	335	GREY	50	20241	68
VT-446 HD	446	GREEN	50	20238	88

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
Document generated on 16/11/2026.

VT-700 HD

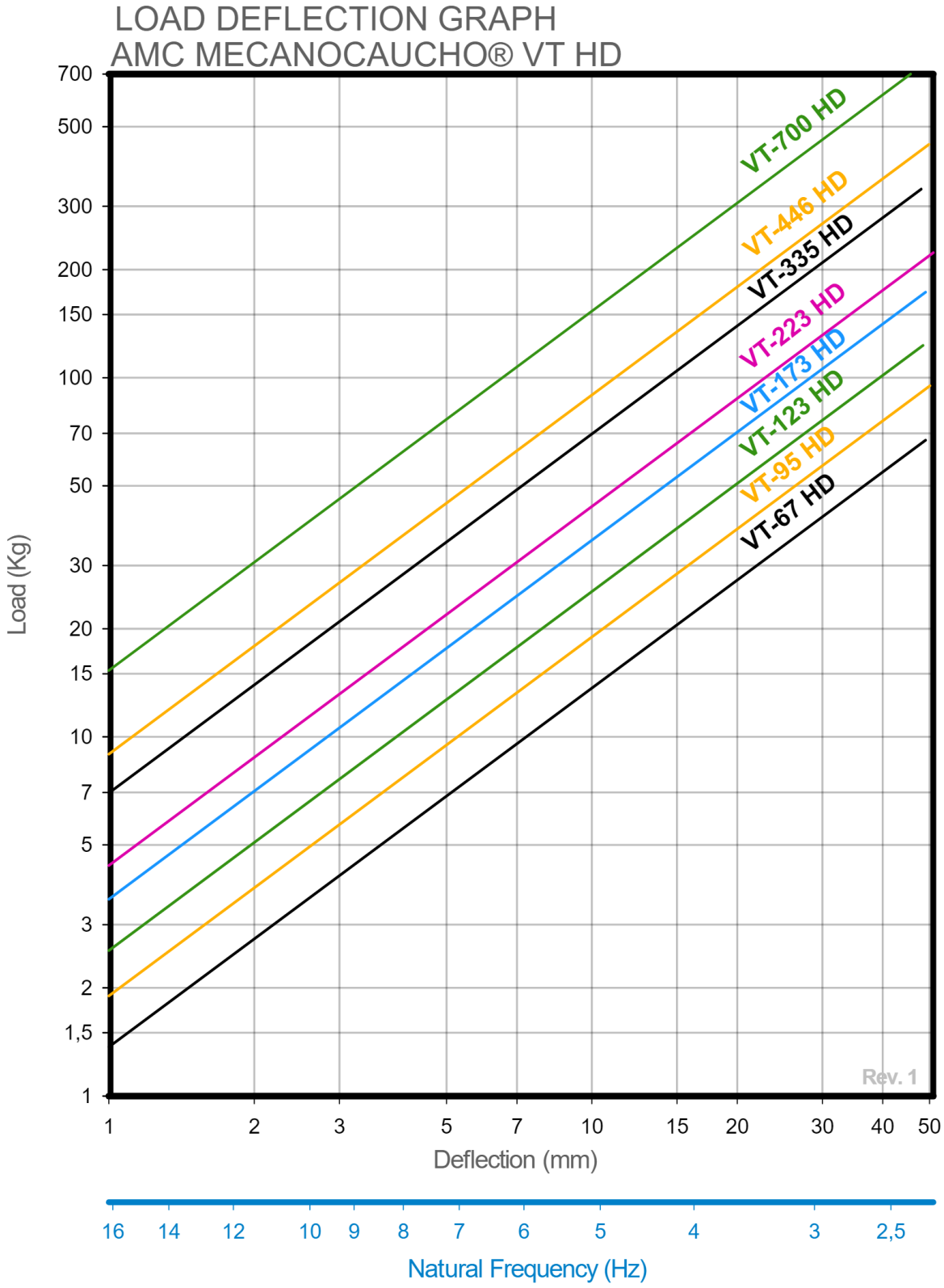


Type	Max. Permanent Load (kg)	Spring color	Deflection(mm)	Code
VT-700 HD	700	BROWN	50	20243

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
Document generated on 16/11/2026.

Elastic properties



AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain

Tel.: +34 843 74 00 13

sales@amcsa.es

www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
Document generated on 16/11/2026.

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.

Advantages

Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

Improved isolation

It offers improved isolation compared with conventional anti-vibration mounts of similar geometry.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
Document generated on 16/11/2026.