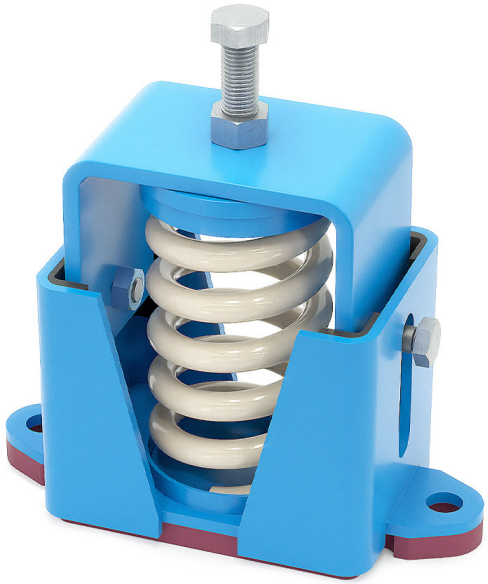
1V-SH Anti-Seismic Spring Mount

High-deflection anti-seismic spring mount designed to achieve a natural frequency as low as 3 Hz and provide high-performance low-frequency vibration isolation.



The **AMC-MECANOCAUCHO® 1V-SH Anti-Seismic Spring Mount** is designed for equipment requiring **high-performance low-frequency vibration isolation**, combined with mechanical protection under seismic conditions.

With a **static deflection of up to 50 mm (2 inches)**, the springs can achieve **natural frequencies as low as 3 Hz**, providing effective isolation for low-speed equipment or machinery generating very low-frequency vibration.

A **Sylomer® layer** complements the action of the springs by reducing the transmission of **medium and high frequencies** that may propagate through the steel springs. The combination of **spring + Sylomer®** therefore provides effective vibration isolation over a wide frequency range.

The spring mount also incorporates an **integrated levelling system** for precise equipment height adjustment and an **anti-slip rubber base**.

Under exceptional or seismic loads, the **integrated seismic restraint system** limits excessive equipment movement whilst allowing the movement required for effective vibration isolation under normal operating conditions.

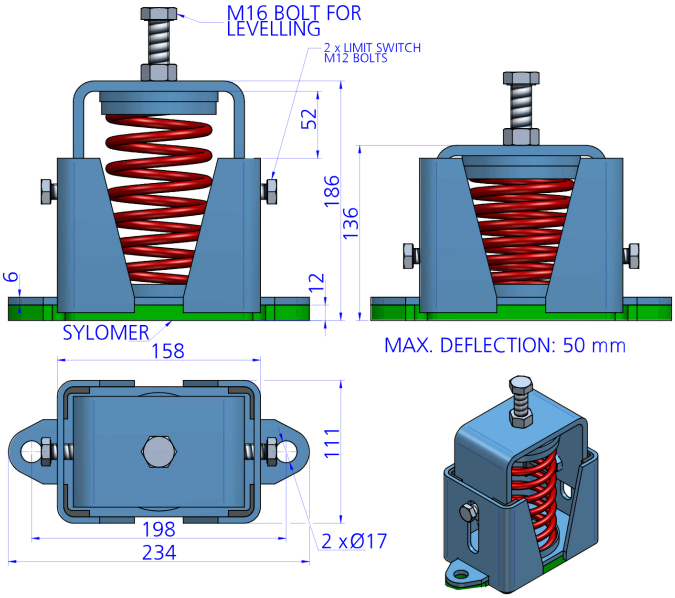
The 1V-SH range is particularly suitable for **HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors and generator sets** requiring high-performance very low-frequency vibration isolation.

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

1V-SH ANTI SEISMIC + SYLOMER

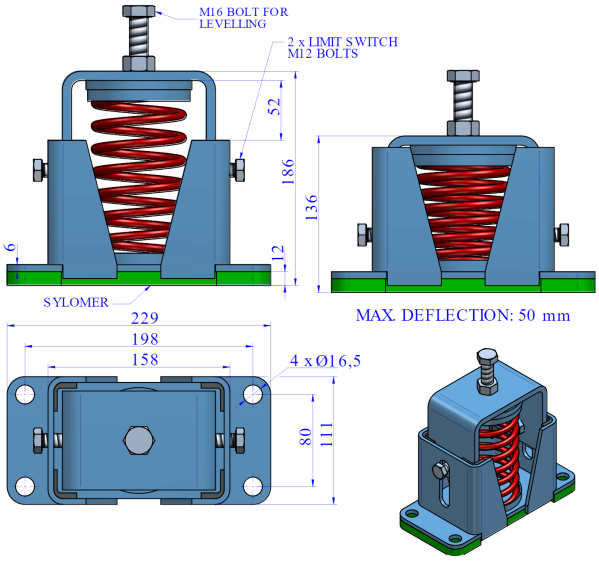


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	Weight(kg)
1V-SH ANTI SEISMIC + SYLOMER	20653	BLUE	67	13	5.759
	20654	WHITE	95	19	5.816
	20655	BLACK	123	25	5.84
	20656	BEIGE	173	35	5.93
	20657	RED	223	43	6.301
	20658	GREY	335	68	6.502
	20659	GREEN	446	88	6.768
	20661	BROWN	700	150	6.768

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.

1V-SH ANTI SEISMIC + SYLOMER 4 Holes

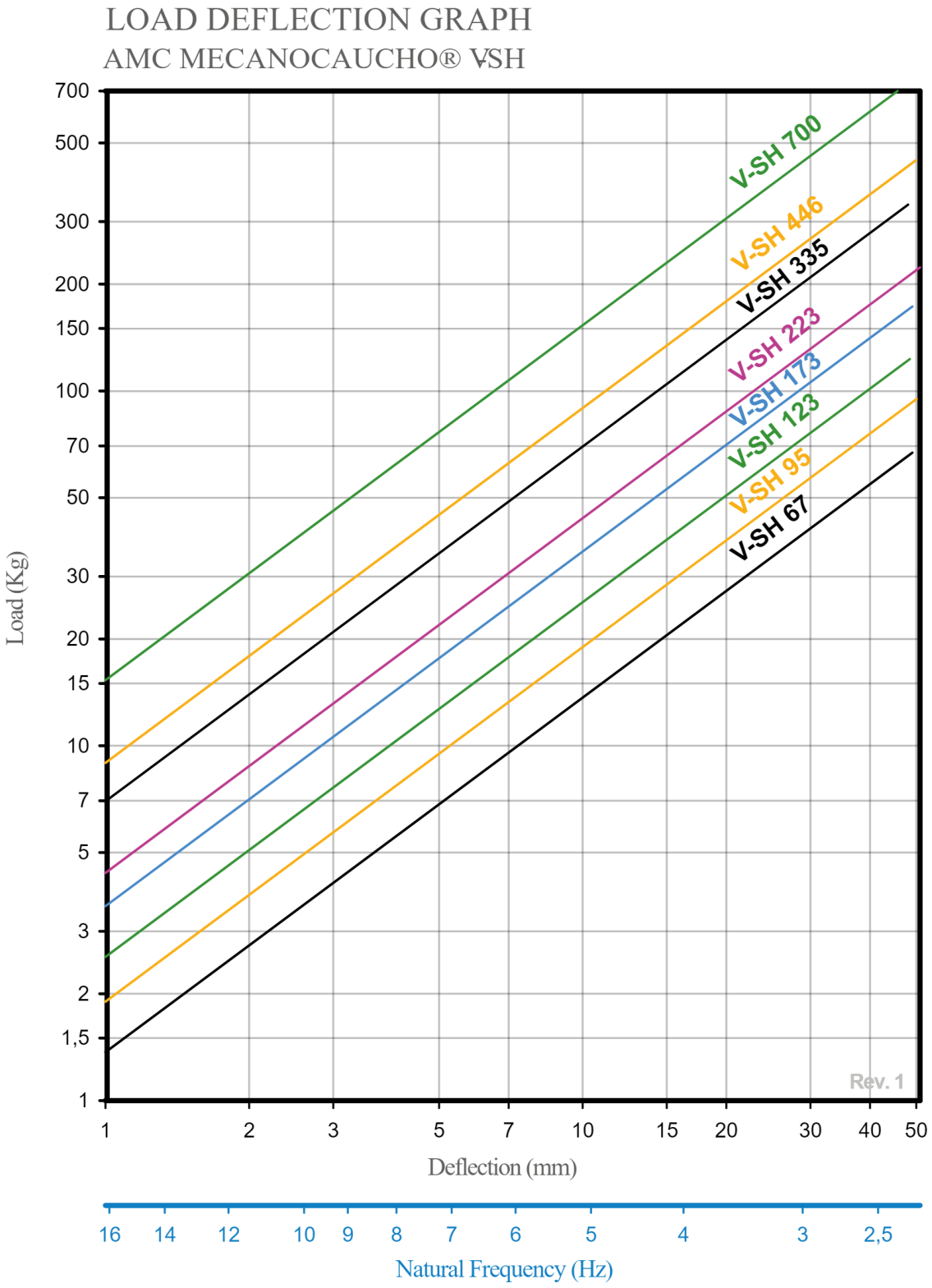


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	Weight(kg)
1V-SH ANTI SEISMIC + SYLOMER 4 Holes	21568	BLUE	67	13	5.996
	21569	WHITE	95	19	6.046
	21570	BLACK	123	25	6.076
	21571	BEIGE	173	35	6.166
	21572	RED	223	43	6.626
	21573	GREY	335	68	6.836
	21574	GREEN	446	88	7.036
	21575	BROWN	700	150	7.036

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 mounts are able to reach low natural frequencies from 2 to 5 Hz. The spring combined with sylomer® is able to provide high isolation at low and medium frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring. Temperature working range from -30 to 70º. Short term higher temperatures are possible.

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.

Incorporates Sylomer® elastomer, highly effective for isolating both high and low frequencies

Sylomer® provides high isolation across a wide frequency range and is particularly effective at high frequencies, effectively eliminating the transmission of structure-borne noise.

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.