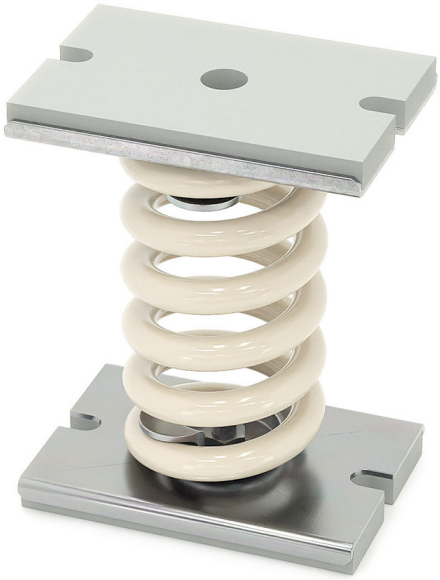
1V-SH DB Spring Mount

High-deflection spring mount with double Sylomer® pads. Static deflection up to 50 mm (2 inches) and natural frequencies as low as 3 Hz.



The **AMC-MECANOCAUCHO® 1V-SH DB spring mount** is designed for applications requiring **very low-frequency vibration isolation** without rigid anchoring.

With a **static deflection of up to 50 mm (2 inches)**, the spring can achieve **natural frequencies as low as 3 Hz**, providing highly effective isolation of very low-frequency vibrations.

The DB design incorporates **Sylomer® pads above and below the spring mount**. These provide decoupling between the equipment, spring and supporting structure, while improving **vibration isolation at medium and high frequencies**.

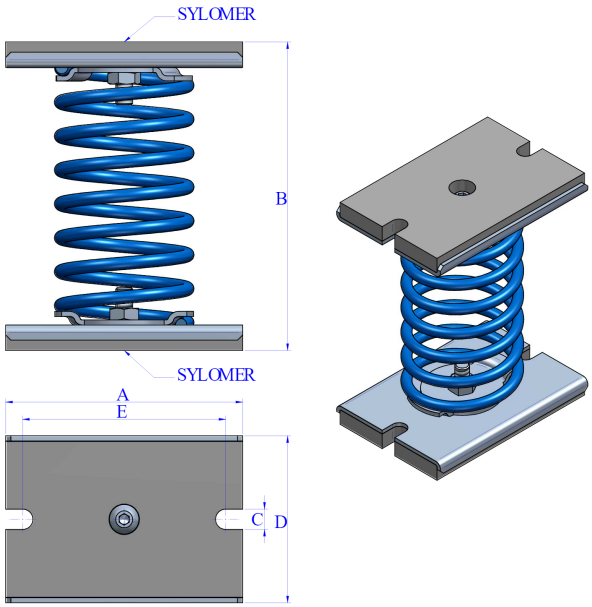
This combination of a **high-deflection spring and Sylomer®** provides effective vibration isolation over a **particularly wide frequency range**.

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

V-SH-DB

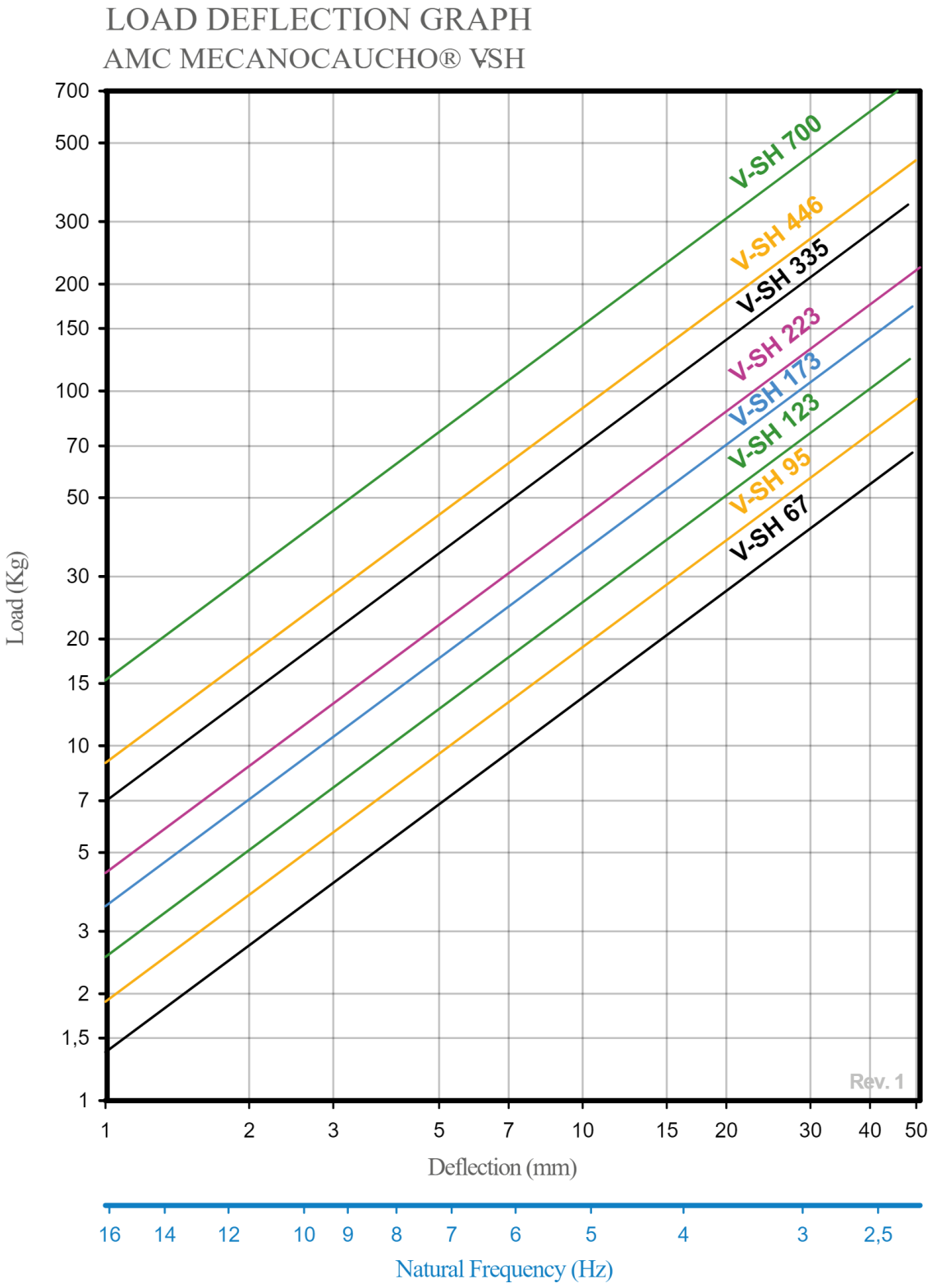


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	Weight(kg)
V-SH-DB	20512	BLUE	67	13	140	182	12	98,5	120	1.48
	20513	WHITE	95	19	140	182	12	98,5	120	1.48
	20514	BLACK	123	25	140	182	12	98,5	120	1.48
	20515	BEIGE	173	35	140	182	12	98,5	120	1.48
	20516	RED	223	43	140	182	12	98,5	120	1.48
	20517	GREY	335	68	140	182	12	98,5	120	1.48
	20518	GREEN	446	88	140	182	12	98,5	120	1.48
	20530	BROWN	700	150	140	182	12	98,5	120	2.72

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.