1V-SH DB Spring Isolator

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



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

With a **static deflection of up to 2 inches (50 mm)**, 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 isolator**. These provide decoupling between the equipment, spring and supporting structure, while improving **vibration isolation at medium and high frequencies**.

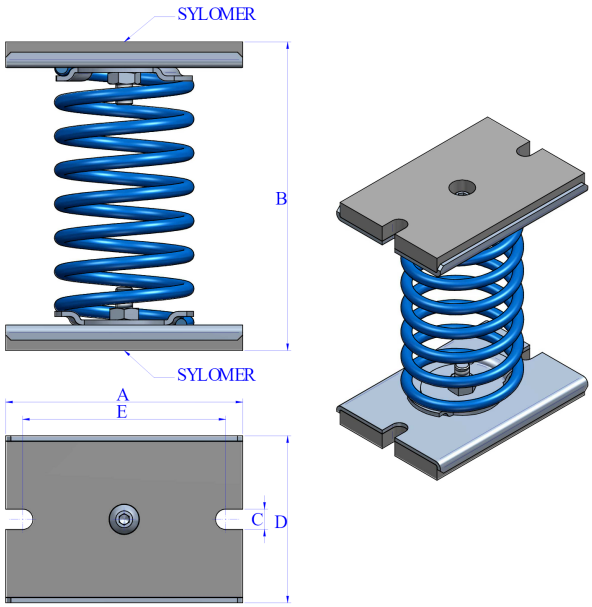
This combination of a **high-deflection spring and Sylomer®** provides effective vibration isolation over a **particularly wide frequency range**.

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Drawings

V-SH-DB

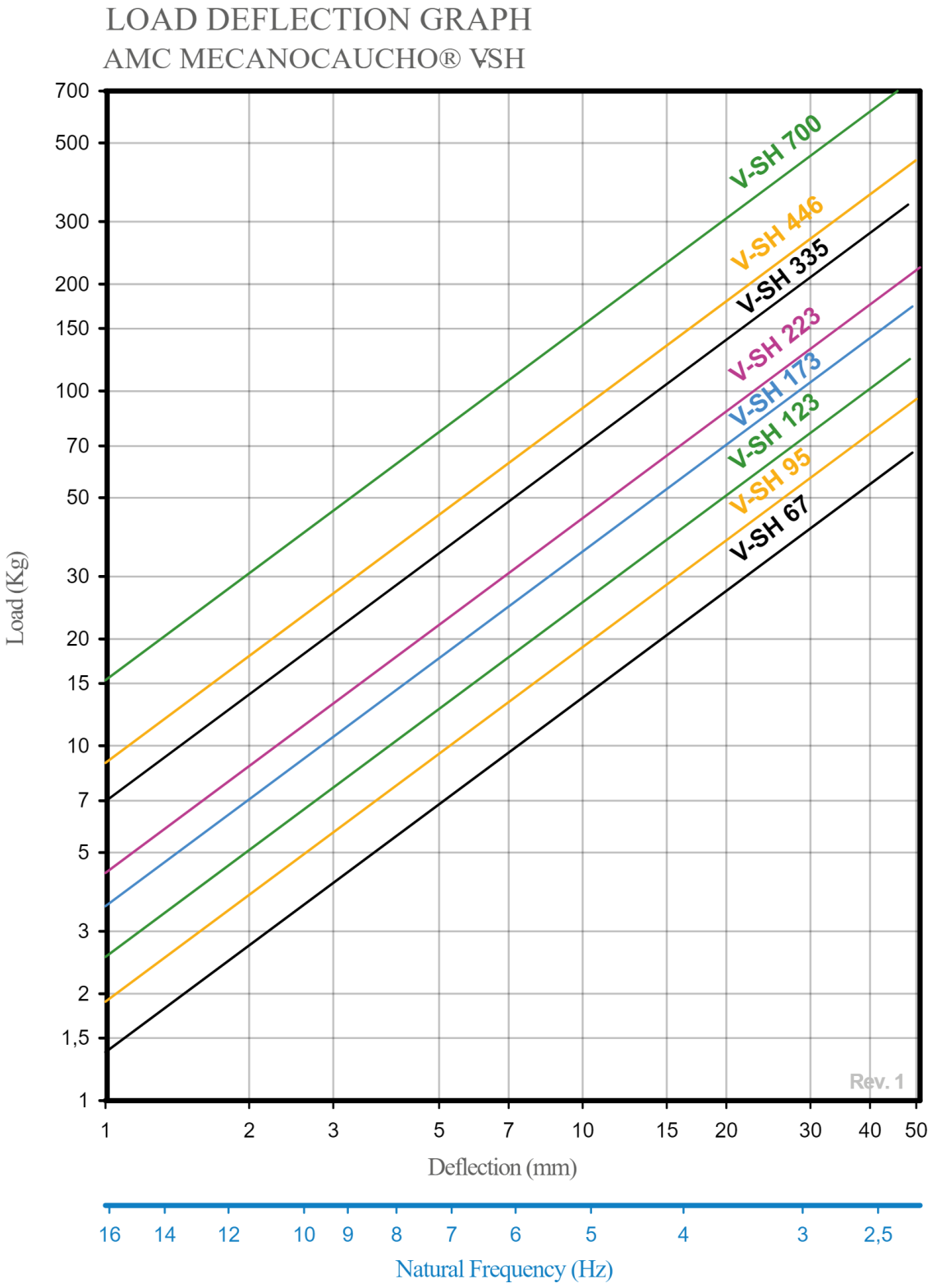


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	Weight(lbs)
V-SH-DB	20512	BLUE	148	13	5.51	7.17	0.47	3.88	4.72	3
	20513	WHITE	209	19	5.51	7.17	0.47	3.88	4.72	3
	20514	BLACK	271	25	5.51	7.17	0.47	3.88	4.72	3
	20515	BEIGE	381	35	5.51	7.17	0.47	3.88	4.72	3
	20516	RED	491	43	5.51	7.17	0.47	3.88	4.72	3
	20517	GREY	738	68	5.51	7.17	0.47	3.88	4.72	3
	20518	GREEN	983	88	5.51	7.17	0.47	3.88	4.72	3
	20530	BROWN	1543	150	5.51	7.17	0.47	3.88	4.72	6

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Elastic properties



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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 no major modifications to the structure for installation.

Improved isolation

It offers improved isolation compared to 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.

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