

1V-SH Spring Isolator

Open high-deflection spring isolator for very low-frequency vibration isolation. Static deflection up to 2 inches (50 mm) and natural frequencies as low as 3 Hz.



The **AMC-MECANOCAUCHO® 1V-SH spring isolator** is designed for applications requiring **very low-frequency vibration isolation**.

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 for low-speed equipment or machinery generating very low-frequency vibrations.

Its open design provides **no lateral restraint**, so particular attention must be paid to **equipment stability and the position of its center of gravity**.

The spring isolator incorporates a **leveling system** and a **Sylomer® pad**, complementing the action of the spring by improving vibration isolation at medium and high frequencies.



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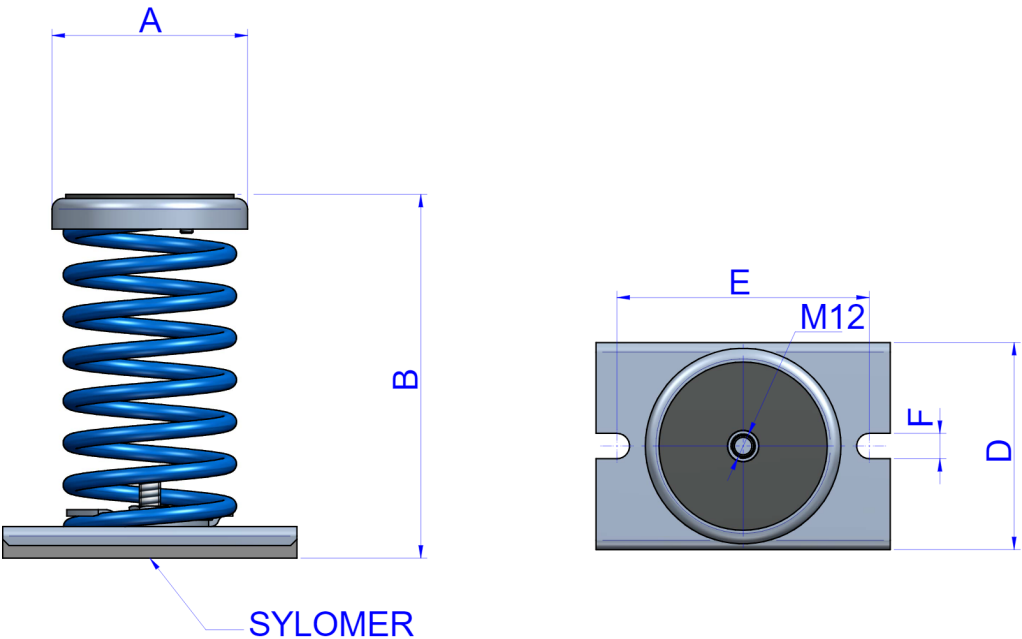
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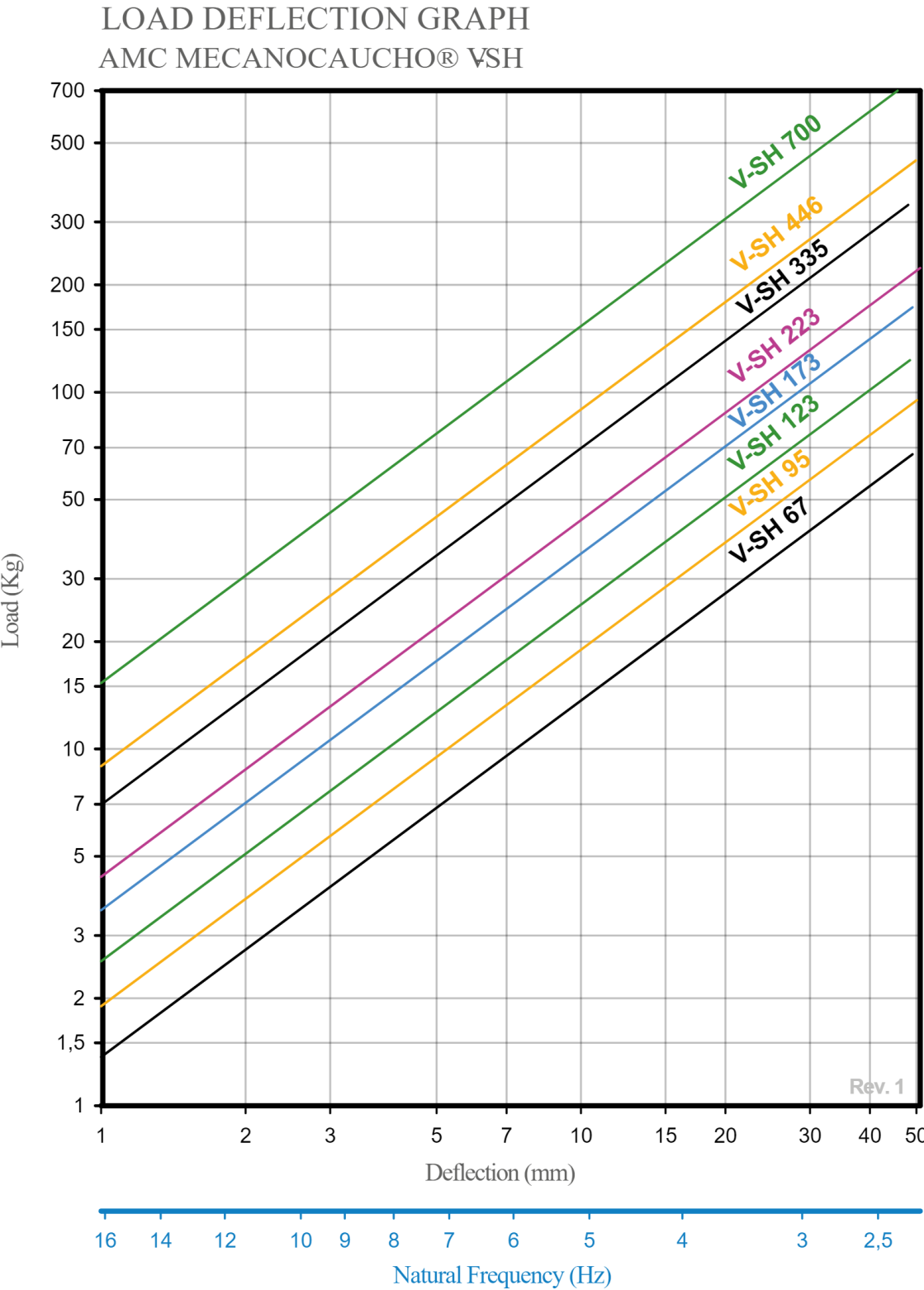
Drawings

1V-SH



Type	Code	Max. Load(lbs)	Spring color	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	Weight(lbs)
1V-SH	21001	148	BLUE	13	3.66	6.81	M12	3.88	4.72	0.47	4
	21002	209	WHITE	19	3.66	6.81	M12	3.88	4.72	0.47	4
	21003	271	BLACK	25	3.66	6.81	M12	3.88	4.72	0.47	4
	21004	381	BEIGE	35	3.66	6.81	M12	3.88	4.72	0.47	4
	21005	491	RED	43	3.66	6.81	M12	3.88	4.72	0.47	5
	21006	738	GREY	68	3.66	6.81	M12	3.88	4.72	0.47	5
	21007	983	GREEN	88	3.66	6.81	M12	3.88	4.72	0.47	6
	20462	1543	BROWN	150	3.66	6.81	M12	3.88	4.72	0.47	3

Elastic properties



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 70°. Short term higher temperatures are possible.