

1V-SH Spring Mount

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



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

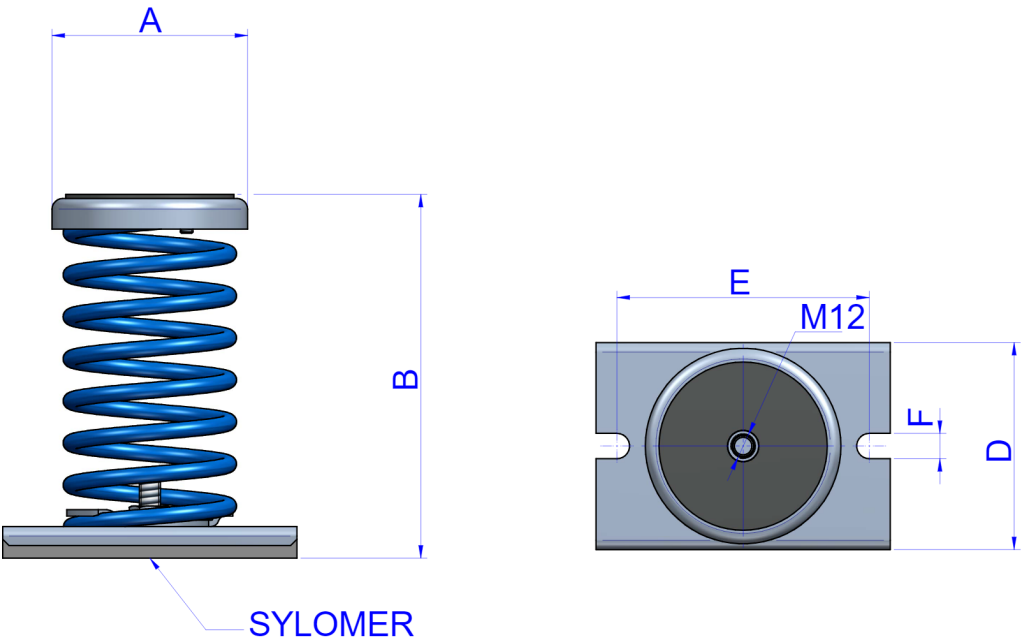
With a **static deflection of up to 50 mm (2 inches)**, the spring can achieve **natural frequencies as low as 3 Hz**, providing highly effective isolation for low-speed equipment or machinery generating very low-frequency vibrations.

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

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

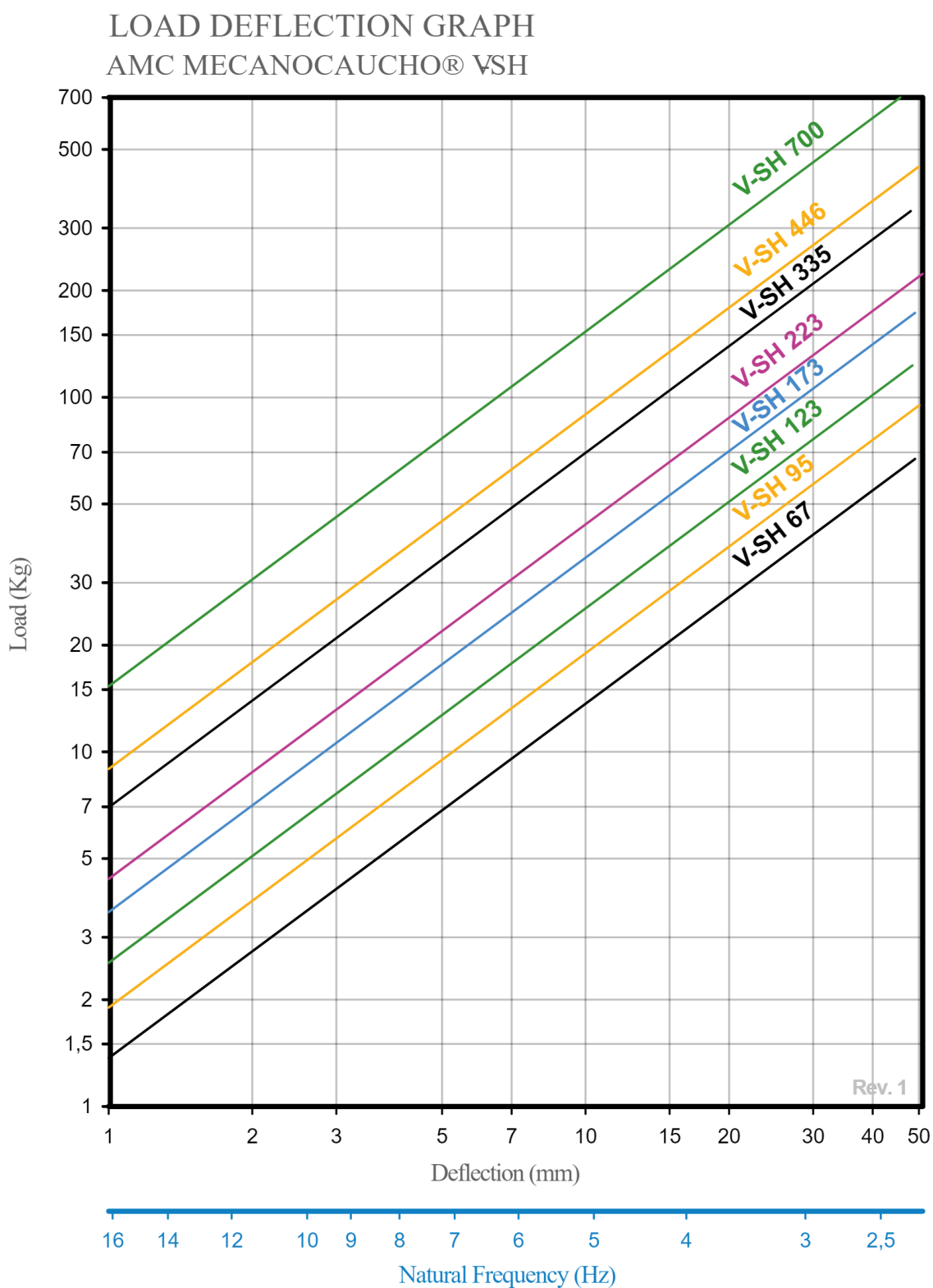
Drawings

1V-SH



Type	Code	Max. Load (kg)	Spring color	K(N/mm)	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	Weight(kg)
1V-SH	21001	67	BLUE	13	93	173	M12	98,5	120	12	1.616
	21002	95	WHITE	19	93	173	M12	98,5	120	12	1.668
	21003	123	BLACK	25	93	173	M12	98,5	120	12	1.694
	21004	173	BEIGE	35	93	173	M12	98,5	120	12	1.786
	21005	223	RED	43	93	173	M12	98,5	120	12	2.154
	21006	335	GREY	68	93	173	M12	98,5	120	12	2.327
	21007	446	GREEN	88	93	173	M12	98,5	120	12	2.628
	20462	700	BROWN	150	93	173	M12	98,5	120	12	1.542

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.