6V-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® 6V-SH spring mount** is designed for applications requiring **very low-frequency vibration isolation** and high load capacity.

With a **static deflection of up to 50 mm (2 inches)**, the springs 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 springs by improving vibration isolation at medium and high frequencies.

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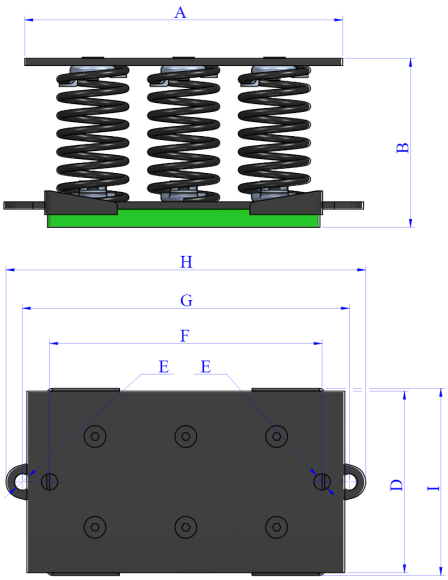
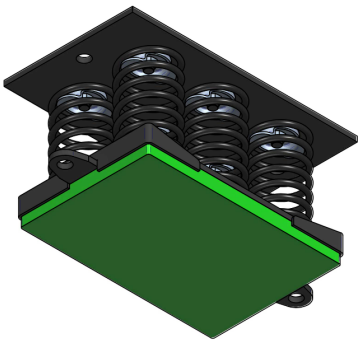
Drawings

6V-SH





Type	Code	Spring color	Max. Load (kg)	K(N/mm)	A(mm)	B(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	Weight(kg)
6V-SH	21050	BLUE	402	80	350	180	200	18	300	360	396	206	13.87
	21051	WHITE	570	112	350	180	200	18	300	360	396	206	14.212
	21052	BLACK	738	149	350	180	200	18	300	360	396	206	14.356
	21053	BEIGE	1038	208	350	180	200	18	300	360	396	206	14.896
	21054	RED	1338	258	350	180	200	18	300	360	396	206	17.122
	21055	GREY	2010	410	350	180	200	18	300	360	396	206	18.328
	21056	GREEN	2676	527	350	180	200	18	300	360	396	206	19.924
	21059	BROWN	4200	902	350	180	200	18	300	360	396	206	19.924

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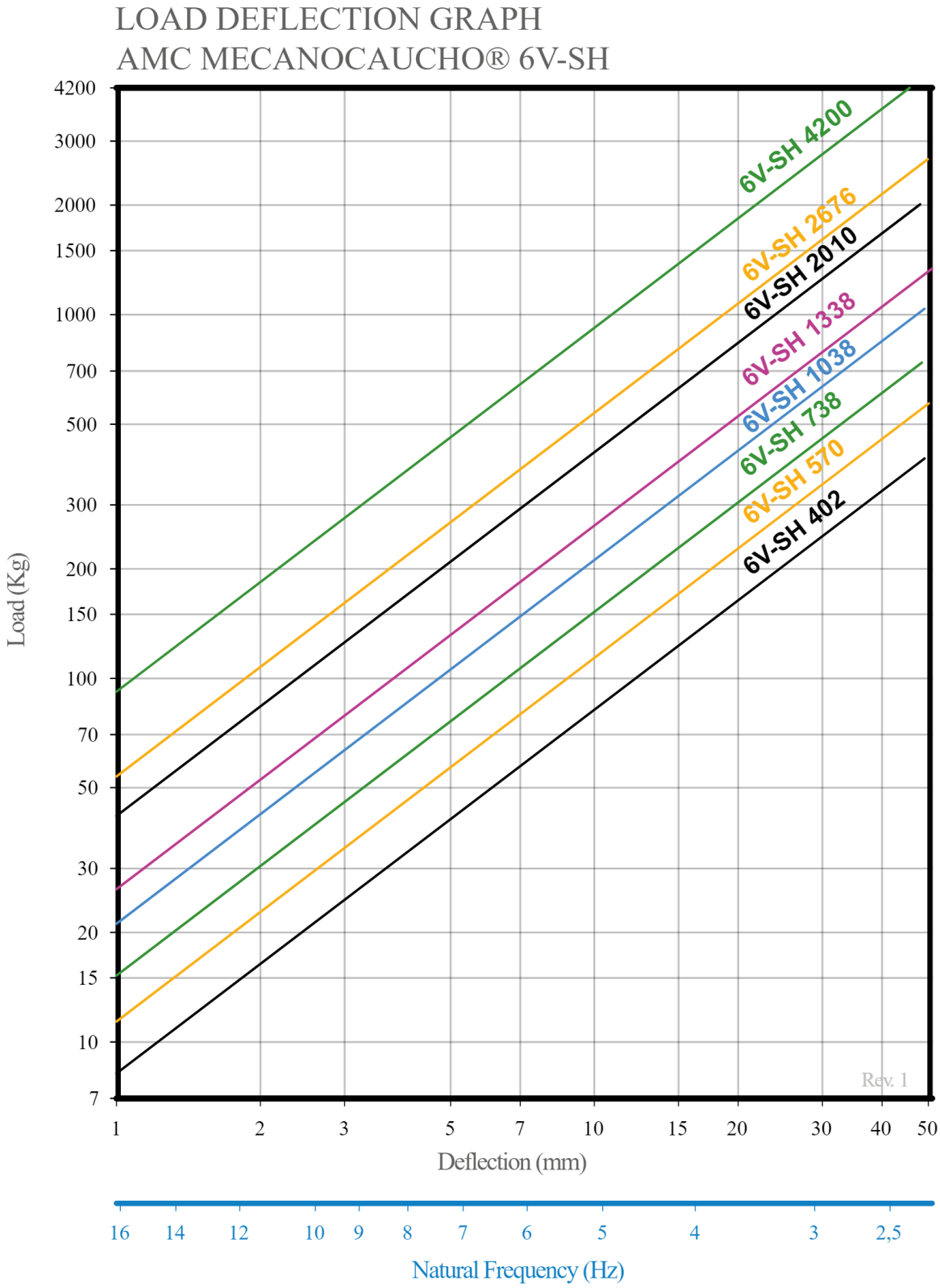
Elastic properties



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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 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.

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