4V-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® 4V-SH spring isolator** is designed for applications requiring **very low-frequency vibration isolation** and high load capacity.

With a **static deflection of up to 2 inches (50 mm)**, 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 center of gravity**.

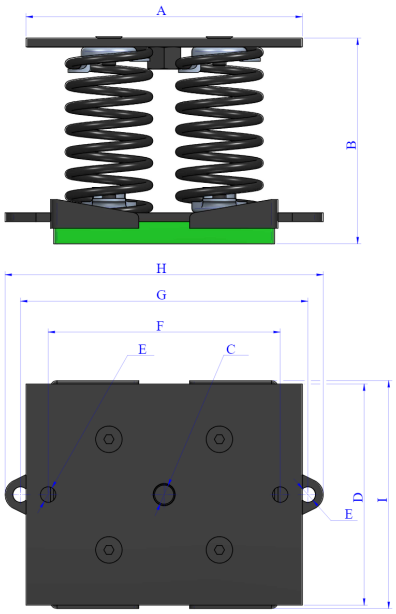
The spring isolator incorporates a **leveling system** and a **Sylomer® pad**, complementing the action of the springs by improving vibration isolation at medium and high frequencies.

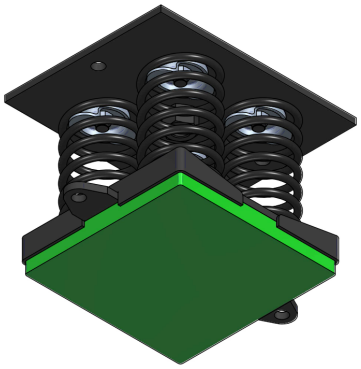
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Drawings

4V-SH



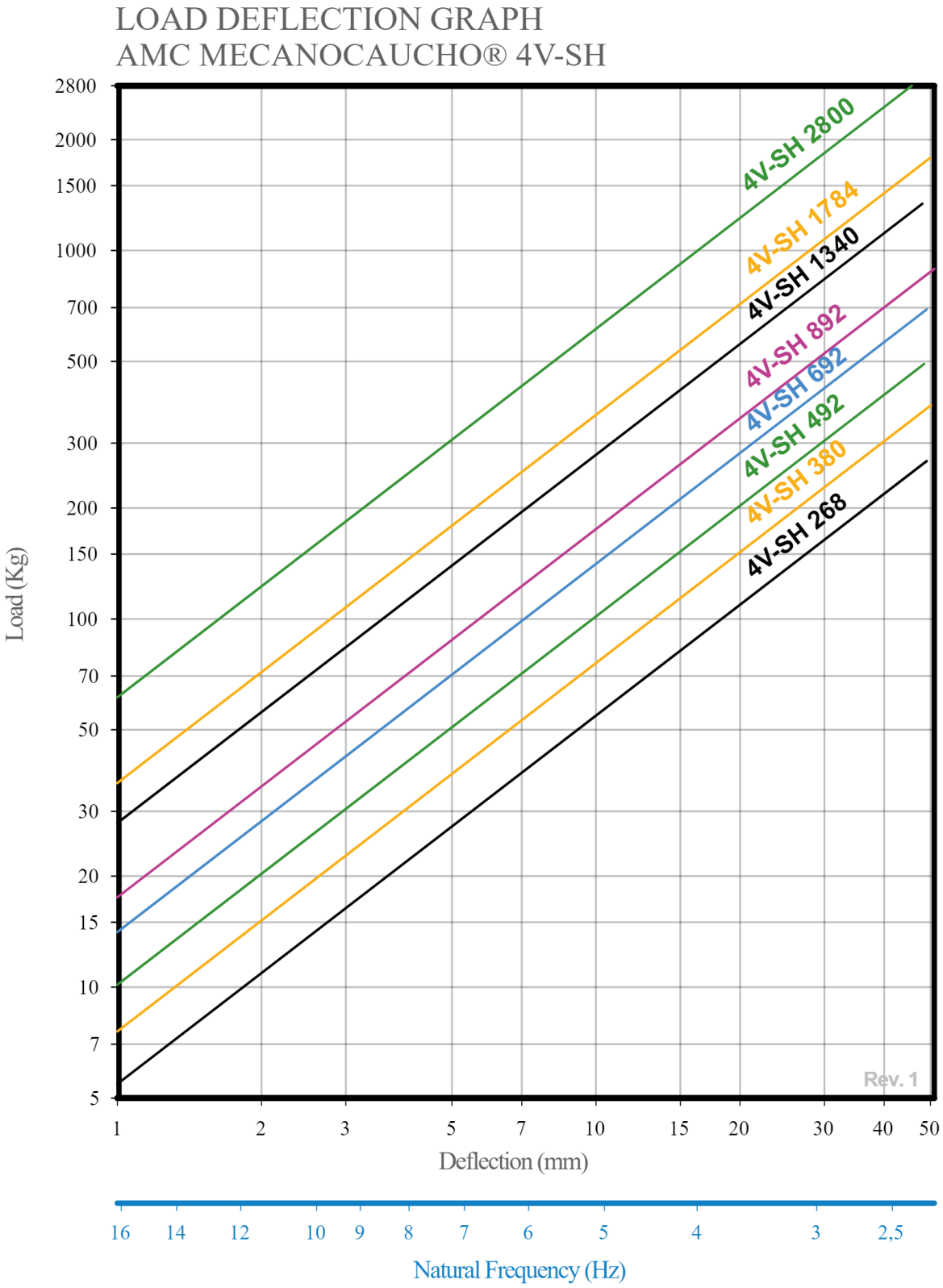


Type	Code	Spring color	Max. Load (lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	Weight(lbs)
4V-SH	21030	BLUE	591	54	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	25
	21031	WHITE	838	74	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	26
	21032	BLACK	1084	100	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	27
	21033	BEIGE	1525	138	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	28
	21034	RED	1966	172	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	28
	21035	GREY	2953	274	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	29
	21036	GREEN	3932	351	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	30
	21039	BROWN	6171	601	9.84	7.09	M20	7.87	0.55	8.27	10.24	11.34	8.11	30

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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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