3V-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® 3V-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**.

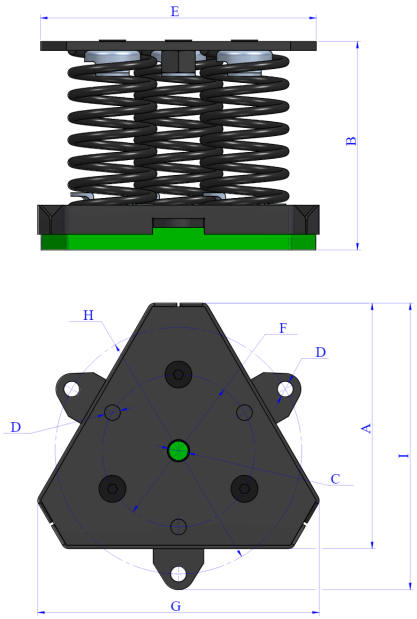
The spring isolator incorporates a **leveling system** and a **Sylomer® pad**, complementing the action of the springs by improving vibration isolation at medium and high frequencies.

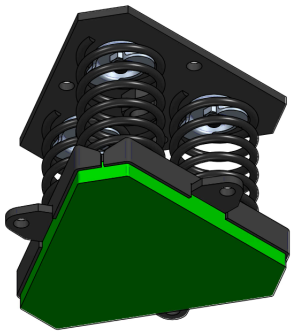
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Drawings

3V-SH



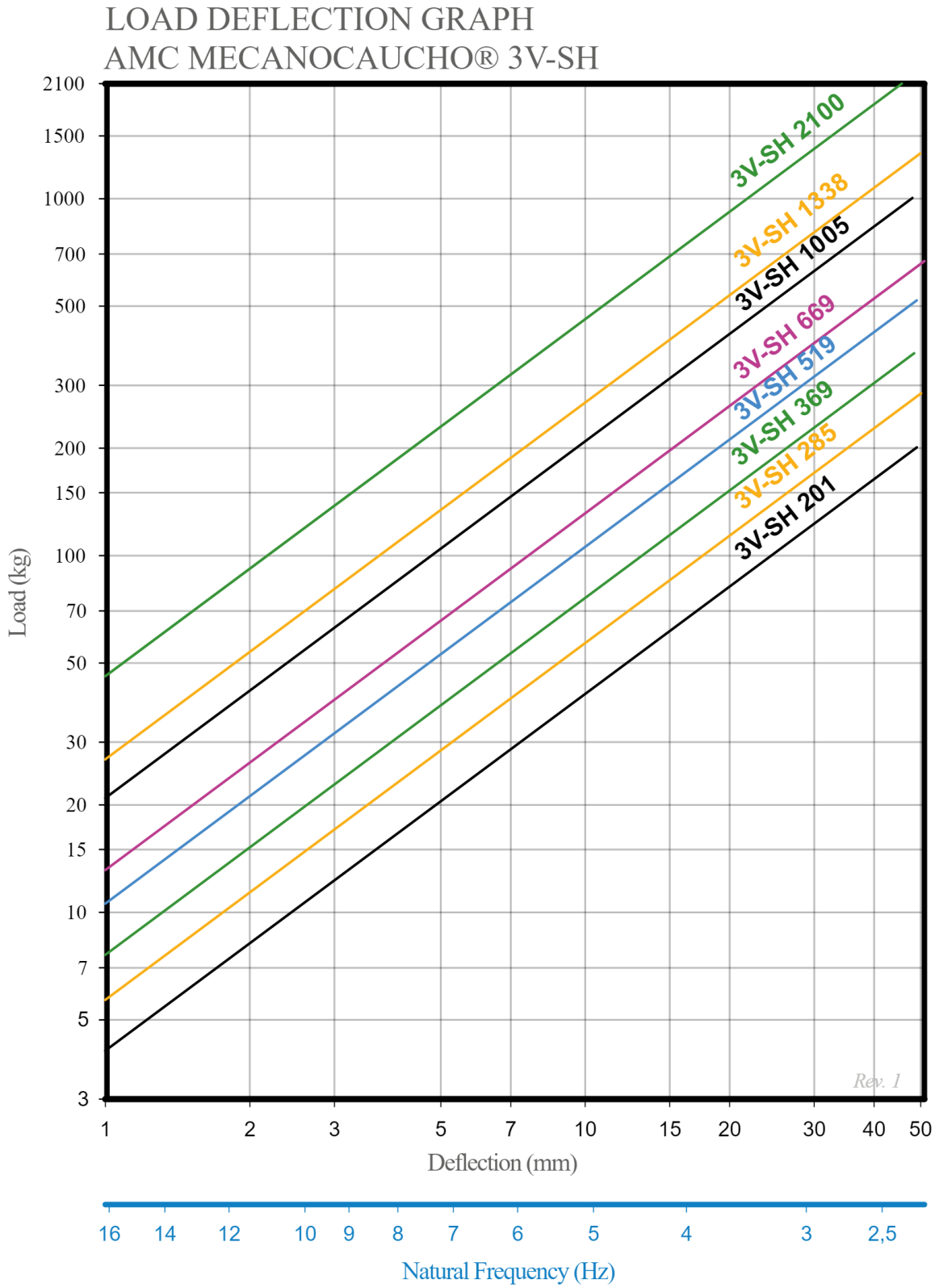


Type	Code	Spring color	Max. Load (lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	Weight(lbs)
3V-SH	21020	BLUE	443	40	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	11
	21021	WHITE	628	56	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	11
	21022	BLACK	813	75	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	12
	21023	BEIGE	1144	104	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	11
	21024	RED	1474	129	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	13
	21025	GREY	2215	205	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	11
	21026	GREEN	2949	263	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	15
	21029	BROWN	4628	451	8.62	7.09	M20	0.55	9.69	5.35	9.88	8.66	10.07	24

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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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