5V-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® 5V-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.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain

Tel.: +34 843 74 00 13

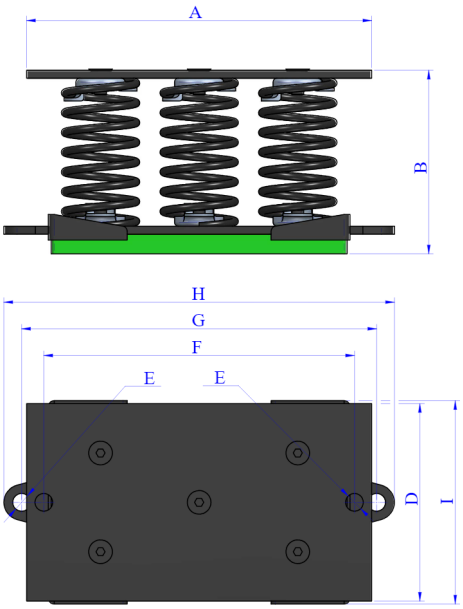
sales@amcsa.es

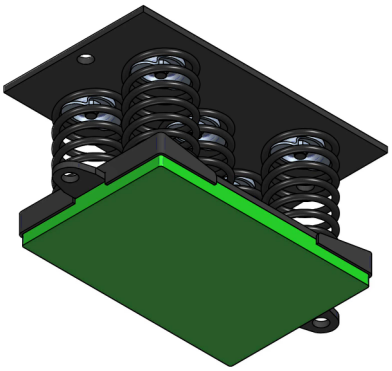
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalog without prior notice.
Document generated on 16/11/2026.

Drawings

5V-SH



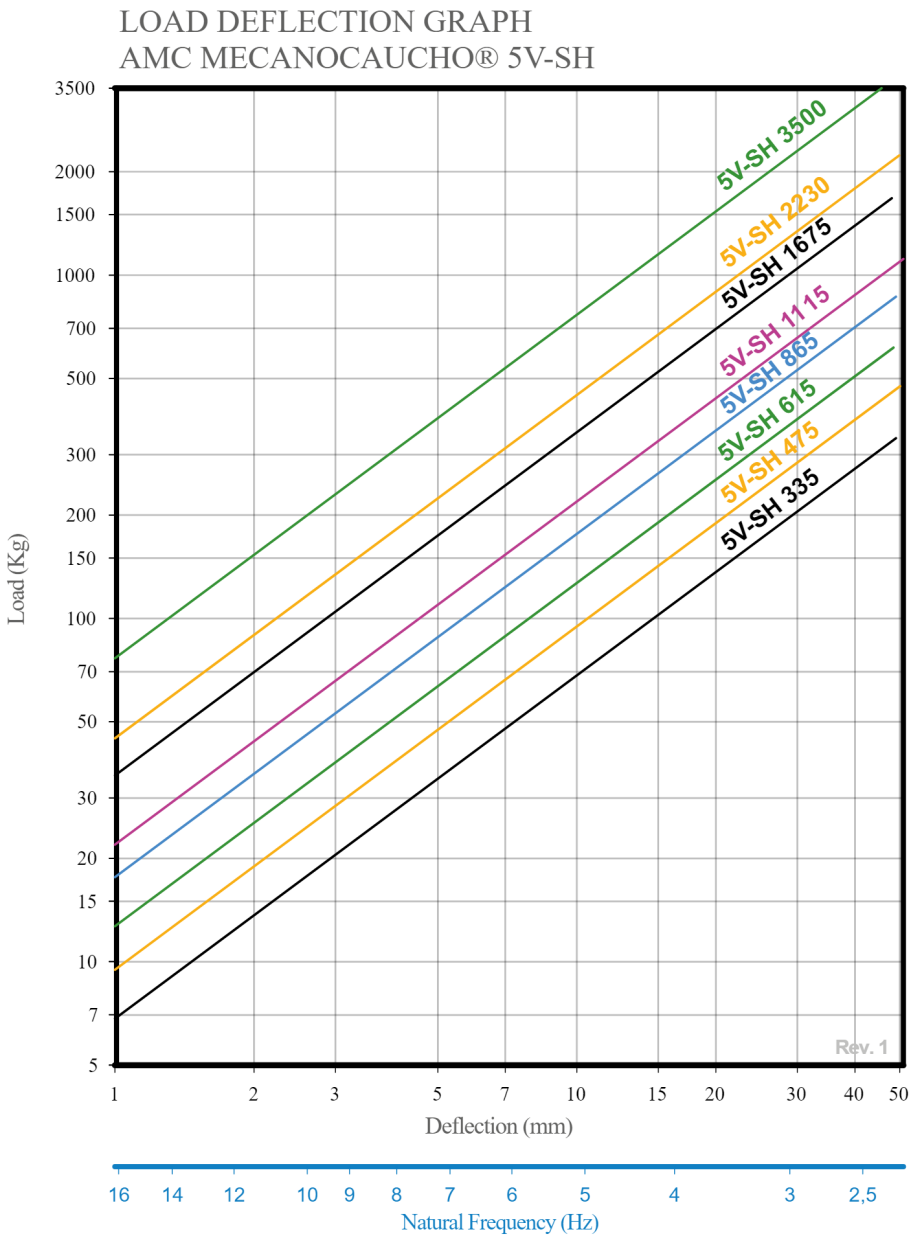


Type	Code	Spring color	Max. Load (lbs)	K(N/mm)	A(in)	B(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	Weight(lbs)
5V-SH	21040	BLUE	738	67	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	29
	21041	WHITE	1047	93	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	29
	21042	BLACK	1355	125	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	30
	21043	BEIGE	1906	173	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	31
	21044	RED	2457	215	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	35
	21045	GREY	3692	342	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	37
	21046	GREEN	4915	439	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	40
	21049	BROWN	7714	752	13.78	7.09	7.87	0.71	12.4	14.17	15.59	8.11	40

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalog without prior notice.
Document generated on 16/11/2026.

Elastic properties



AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain

Tel.: +34 843 74 00 13

sales@amcsa.es

www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalog without prior notice.
Document generated on 16/11/2026.

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.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalog without prior notice.
Document generated on 16/11/2026.