6V-SH Anti-Seismic Spring Mount

Six-spring anti-seismic spring mount with high static deflection, designed to achieve a natural frequency as low as 3 Hz and support high loads.



The **AMC-MECANOCAUCHO® 6V-SH Anti-Seismic Spring Mount** is designed for equipment requiring **high load capacity and high-performance low-frequency vibration isolation**, combined with mechanical protection under seismic conditions.

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

Its **six steel spring configuration** provides high load capacity whilst maintaining the high deflection required for effective low-frequency vibration isolation.

A **Sylomer® layer** complements the action of the springs by reducing the transmission of **medium and high frequencies** that may propagate through the steel springs. The combination of **springs + Sylomer®** therefore provides effective vibration isolation over a wide frequency range.

The spring mount also incorporates an **integrated levelling system** and an **anti-slip rubber base**. Under exceptional or seismic loads, the **integrated seismic restraint system** limits excessive equipment movement whilst allowing the movement required for effective vibration isolation under normal operating conditions.

The 6V-SH range is particularly suitable for **HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, generator sets and other heavy technical equipment**.

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

Tel.: +34 843 74 00 13

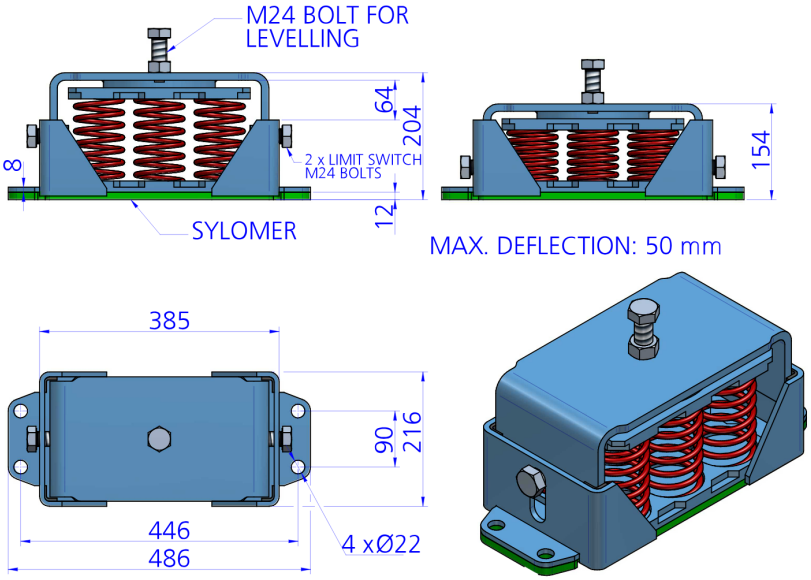
sales@amcsa.es

www.mecanocaucho.com

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Drawings

6V-SH ANTI SEISMIC + SYLOMER

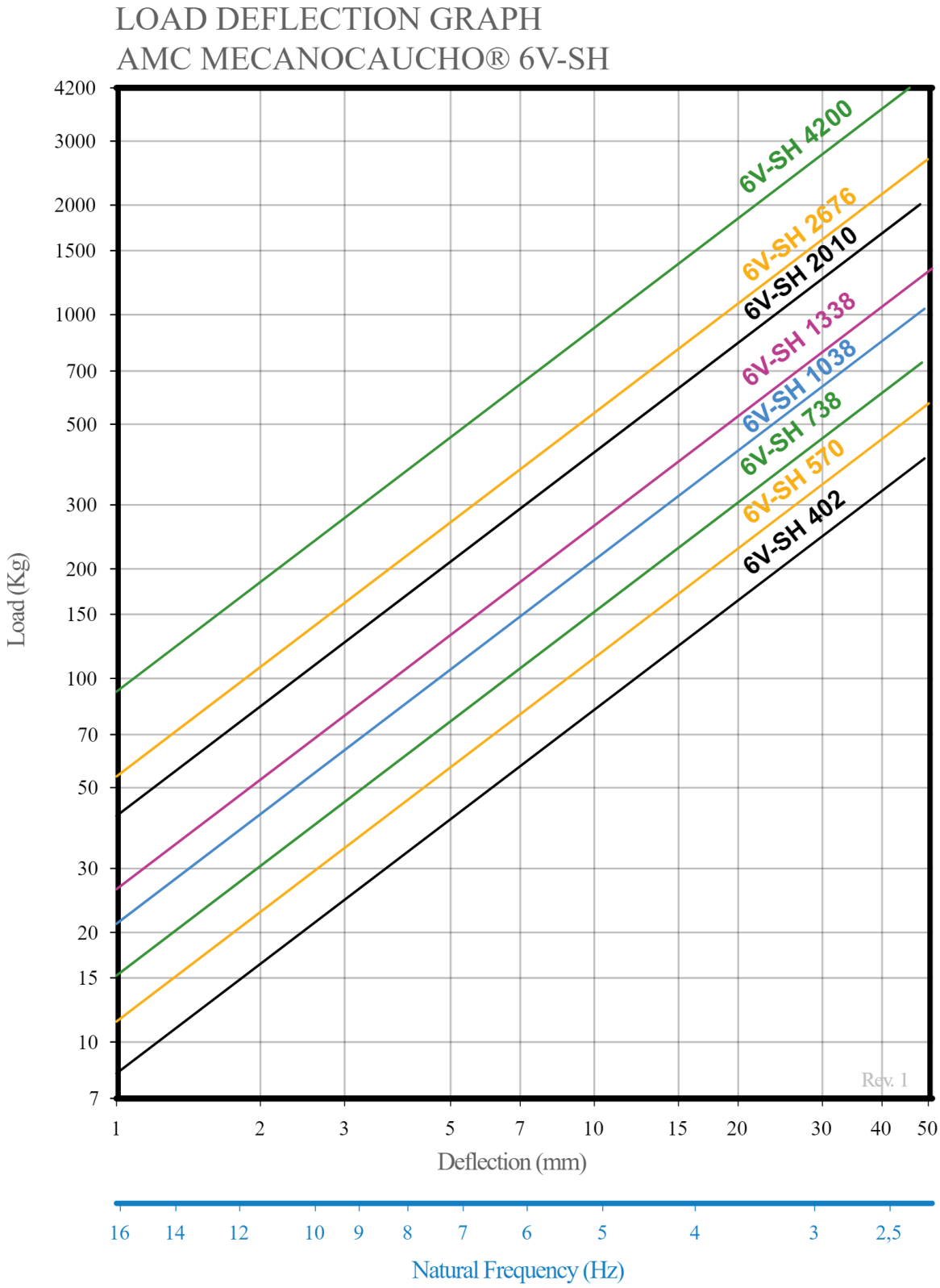


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	Weight(kg)
6V-SH ANTI SEISMIC + SYLOMER	20861	BLUE	402	80	30.076
	20862	WHITE	570	112	30.418
	20863	BLACK	738	149	30.562
	20864	BEIGE	1038	208	31.102
	20865	RED	1338	258	33.328
	20866	GREY	2010	410	34.534
	20867	GREEN	2676	527	36.13
	20868	BROWN	4200	902	36.13

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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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