6V-SH Anti-Seismic Spring Isolator

Six-spring anti-seismic spring isolator 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 Isolator** 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 while 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 **mid- and high-frequency vibration** that may propagate through the steel springs. The combination of **springs + Sylomer®** therefore provides effective vibration isolation over a wide frequency range.

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

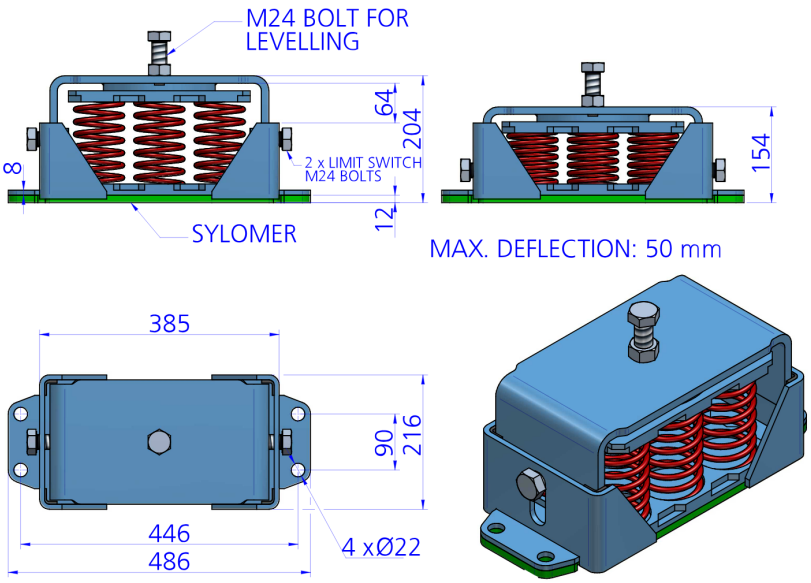
The 6V-SH range is particularly suitable for **HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, generator sets, and other heavy mechanical equipment**.

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Drawings

6V-SH ANTI SEISMIC + SYLOMER

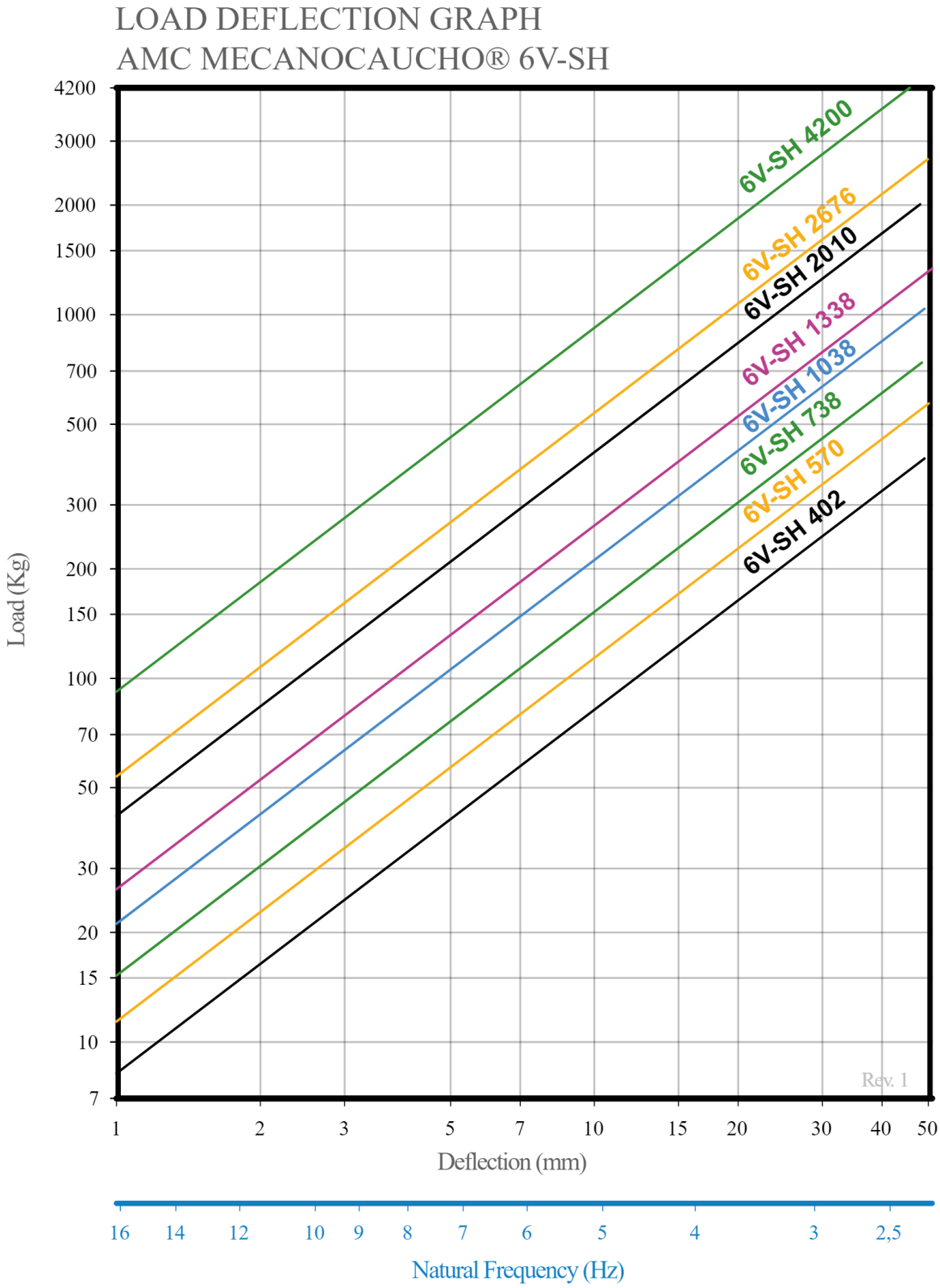


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
6V-SH ANTI SEISMIC + SYLOMER	20861	BLUE	886	80	66
	20862	WHITE	1256	112	67
	20863	BLACK	1627	149	67
	20864	BEIGE	2288	208	69
	20865	RED	2949	258	73
	20866	GREY	4430	410	76
	20867	GREEN	5898	527	80
	20868	BROWN	9257	902	80

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Elastic properties



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Technical characteristics

The mounts are able to reach low natural frequencies from 3 to 5 Hz. The spring combined with Sylomer® is able to provide high isolation at low-medium-high frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring. Working range temperature from -30°C to +70°C. 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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