2V-SH Anti-Seismic Spring Isolator

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



The **AMC-MECANOCAUCHO® 2V-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 **twin steel spring configuration** provides increased 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.

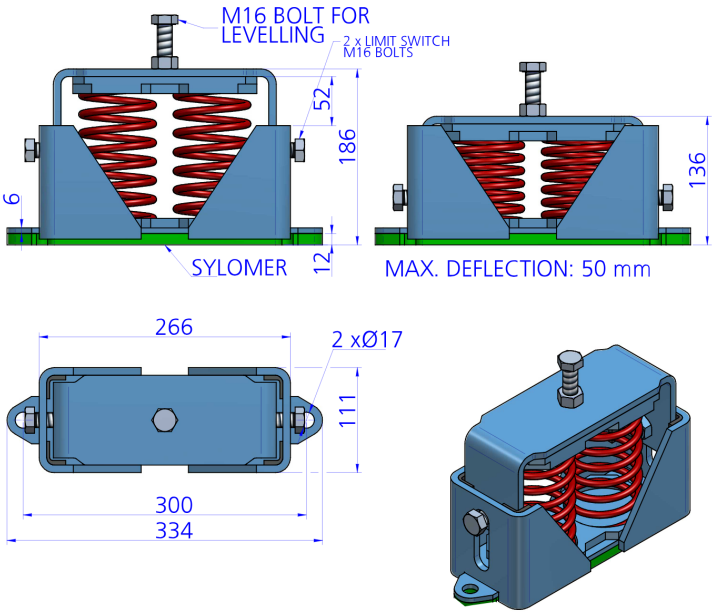
The 2V-SH range is particularly suitable for **HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, generator sets, and other heavy mechanical equipment**.

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Drawings

2V-SH ANTI SEISMIC + SYLOMER

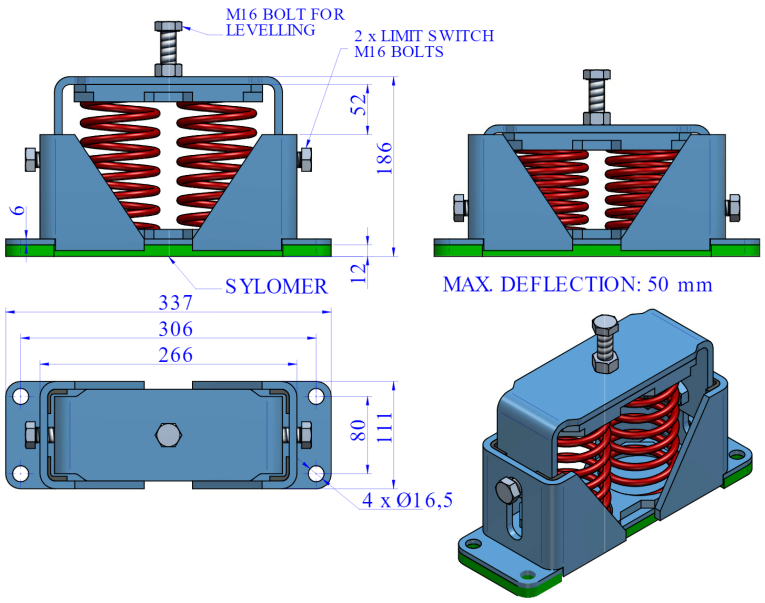


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
2V-SH ANTI SEISMIC + SYLOMER	20587	BLUE	295	27	23
	20588	WHITE	419	37	23
	20589	BLACK	542	50	23
	20590	BEIGE	763	69	23
	20591	RED	983	86	25
	20592	GREY	1477	137	26
	20593	GREEN	1966	176	27
	20594	BROWN	3086	301	27

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2V-SH ANTI SEISMIC + SYLOMER 4 Holes

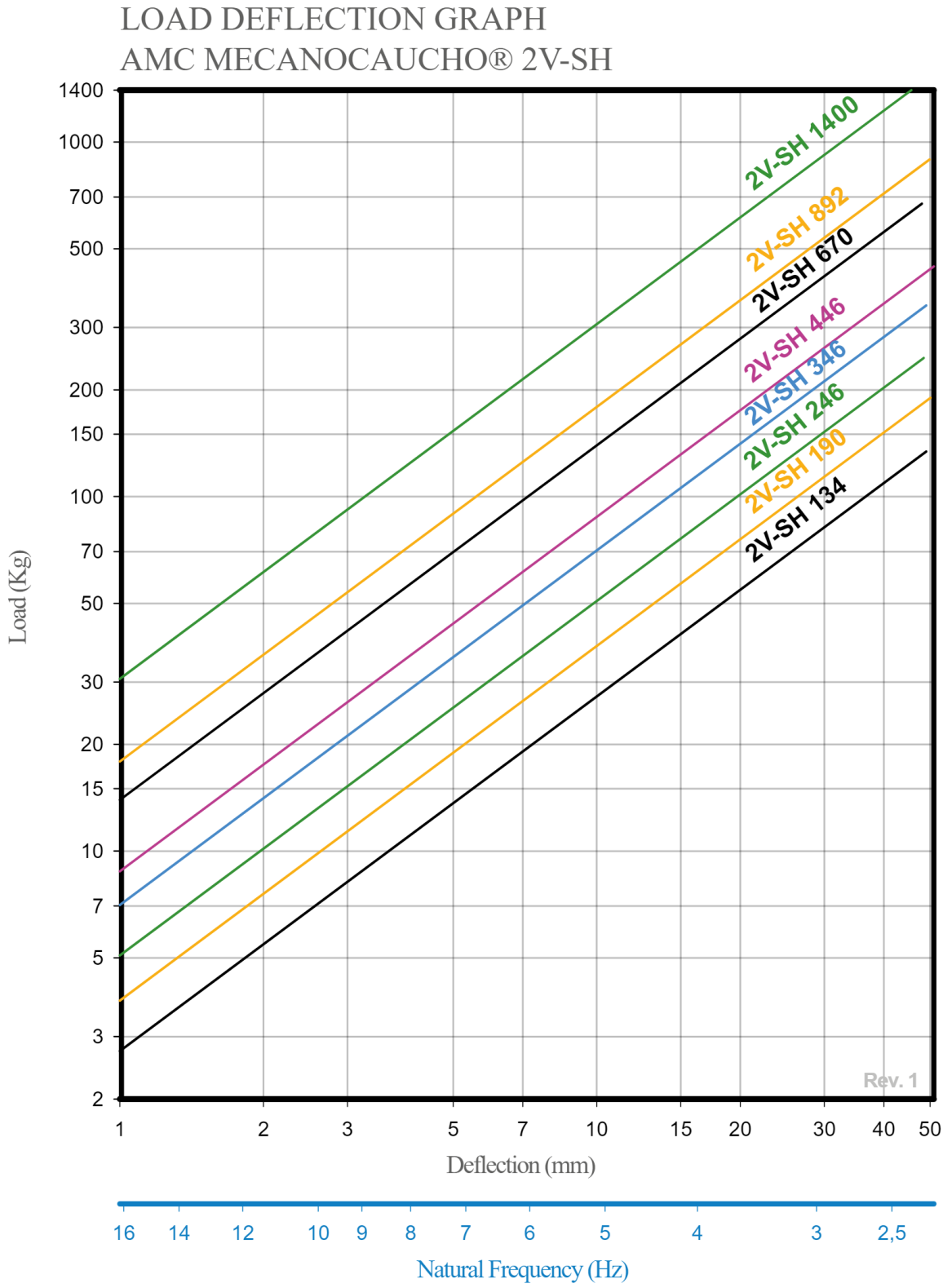


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
2V-SH ANTI SEISMIC + SYLOMER 4 Holes	21576	BLUE	295	27	24
	21577	WHITE	419	37	24
	21578	BLACK	542	50	24
	21579	BEIGE	763	69	25
	21580	RED	983	86	27
	21581	GREY	1477	137	28
	21582	GREEN	1966	176	29
	21583	BROWN	3086	301	29

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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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