9V-SH Anti-Seismic Spring Isolator

Nine-spring anti-seismic spring isolator with static deflection up to 50 mm (2 inches) and a natural frequency as low as 3 Hz, designed for high loads.

The **AMC-MECANOCAUCHO® 9V-SH Anti-Seismic Spring Isolator** is designed for equipment requiring **high load capacity, high-performance low-frequency vibration isolation, and 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 **nine steel spring configuration** provides high load capacity while maintaining the large deflection required for effective low-frequency vibration isolation.

An **integrated leveling system** facilitates equipment adjustment. A **Sylomer® layer beneath the spring isolator** also helps reduce the transmission of **mid- and high-frequency vibration** that may propagate through the steel springs.

The **integrated seismic restraint system** limits excessive equipment movement under seismic loads while allowing the movement required for effective vibration isolation during normal operation.

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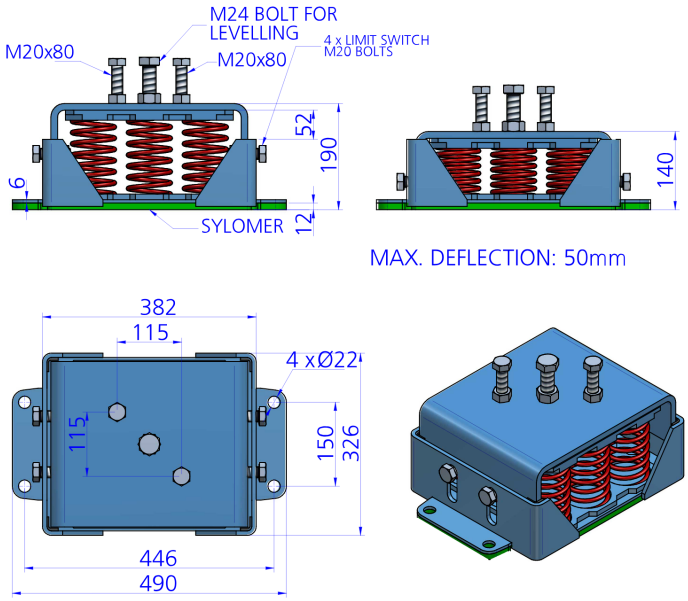
Drawings

9V-SH ANTI SEISMIC + SYLOMER



Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
9V-SH ANTI SEISMIC + SYLOMER	20887	BLUE	1329	121	102
	20888	WHITE	1884	167	103
	20889	BLACK	2440	224	104
	20890	BEIGE	3432	311	105
	20891	RED	4423	387	113
	20892	GREY	6645	616	117
	20893	GREEN	8847	790	122
	20900	BROWN	13885	1353	122

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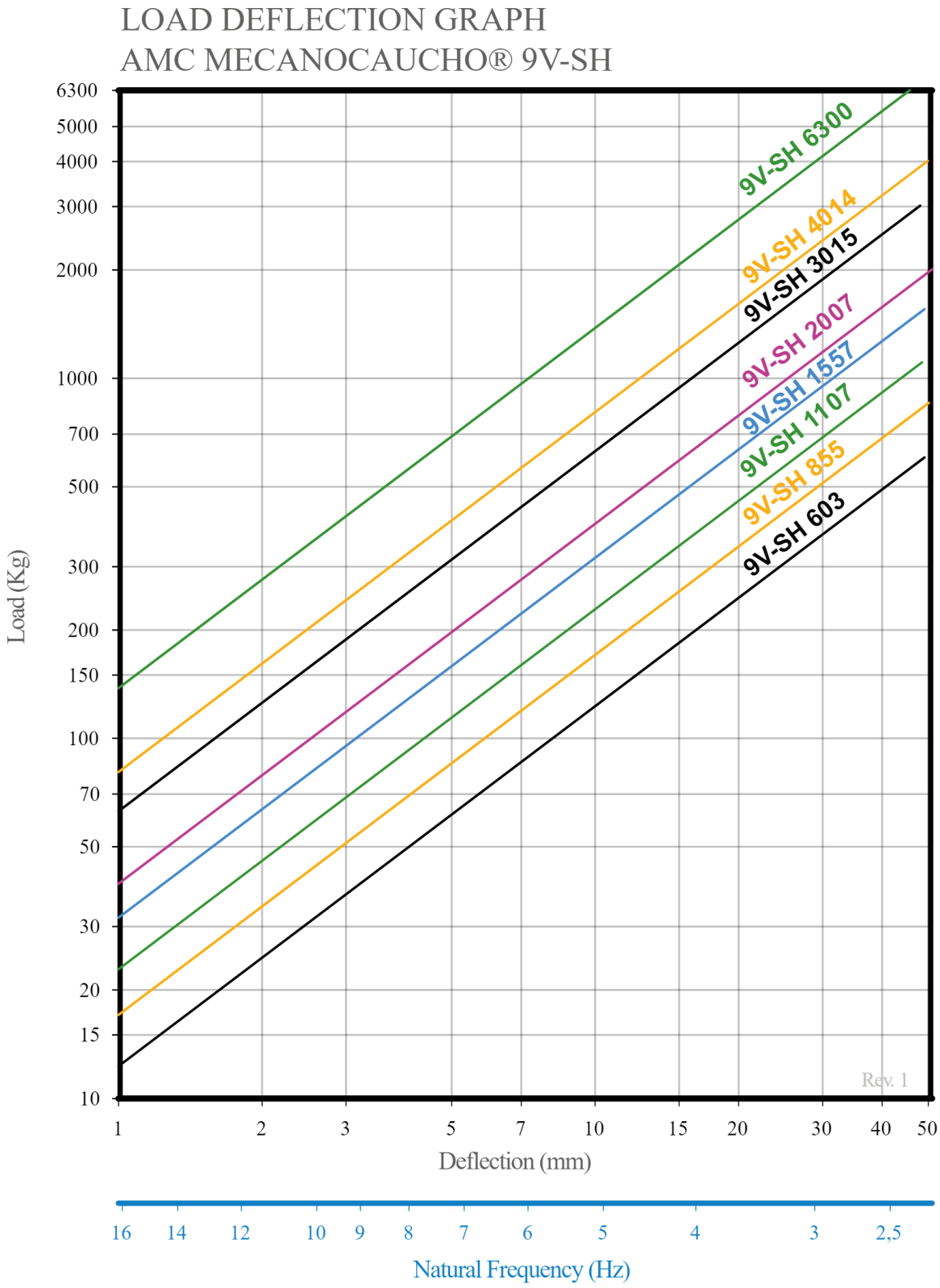
Elastic properties



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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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