4V-SH Anti-Seismic Spring Isolator

Four-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® 4V-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 **four 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 4V-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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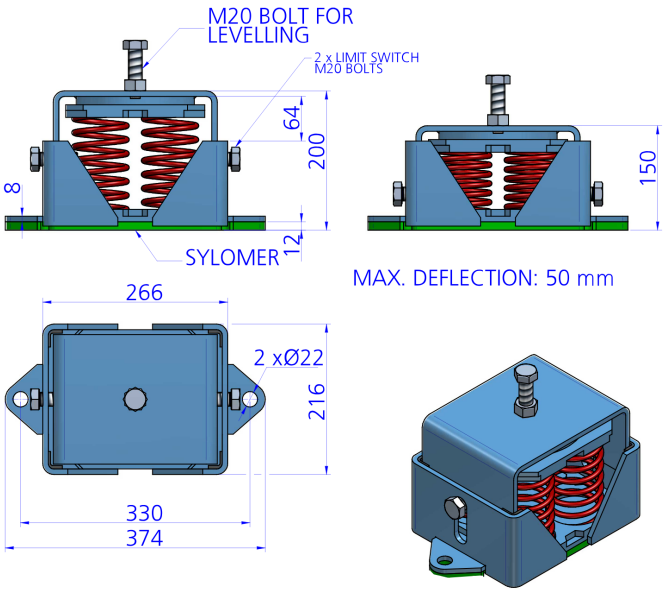
Drawings

4V-SH ANTI SEISMIC + SYLOMER



Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
4V-SH ANTI SEISMIC + SYLOMER	20752	BLUE	591	54	44
	20753	WHITE	838	74	44
	20754	BLACK	1084	100	45
	20755	BEIGE	1525	138	45
	20756	RED	1966	172	49
	20757	GREY	2953	274	50
	20758	GREEN	3932	351	53
	20759	BROWN	6171	601	64

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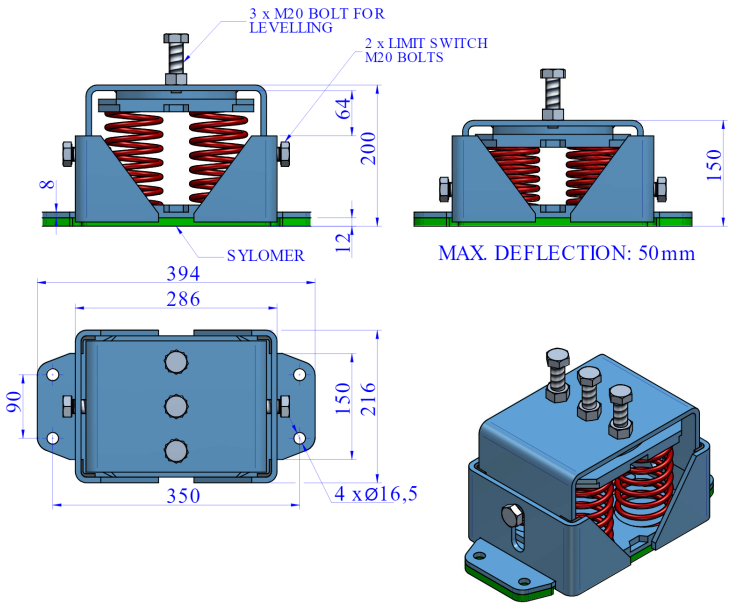
4V-SH ANTI SEISMIC + SYLOMER 4 Holes



Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
4V-SH ANTI SEISMIC + SYLOMER 4 Holes	21584	BLUE	591	54	59
	21585	WHITE	838	74	60
	21586	BLACK	1084	100	60
	21587	BEIGE	1525	138	61
	21588	RED	1966	172	65
	21589	GREY	2953	274	67
	21590	GREEN	3932	351	69
	21591	BROWN	6171	601	69

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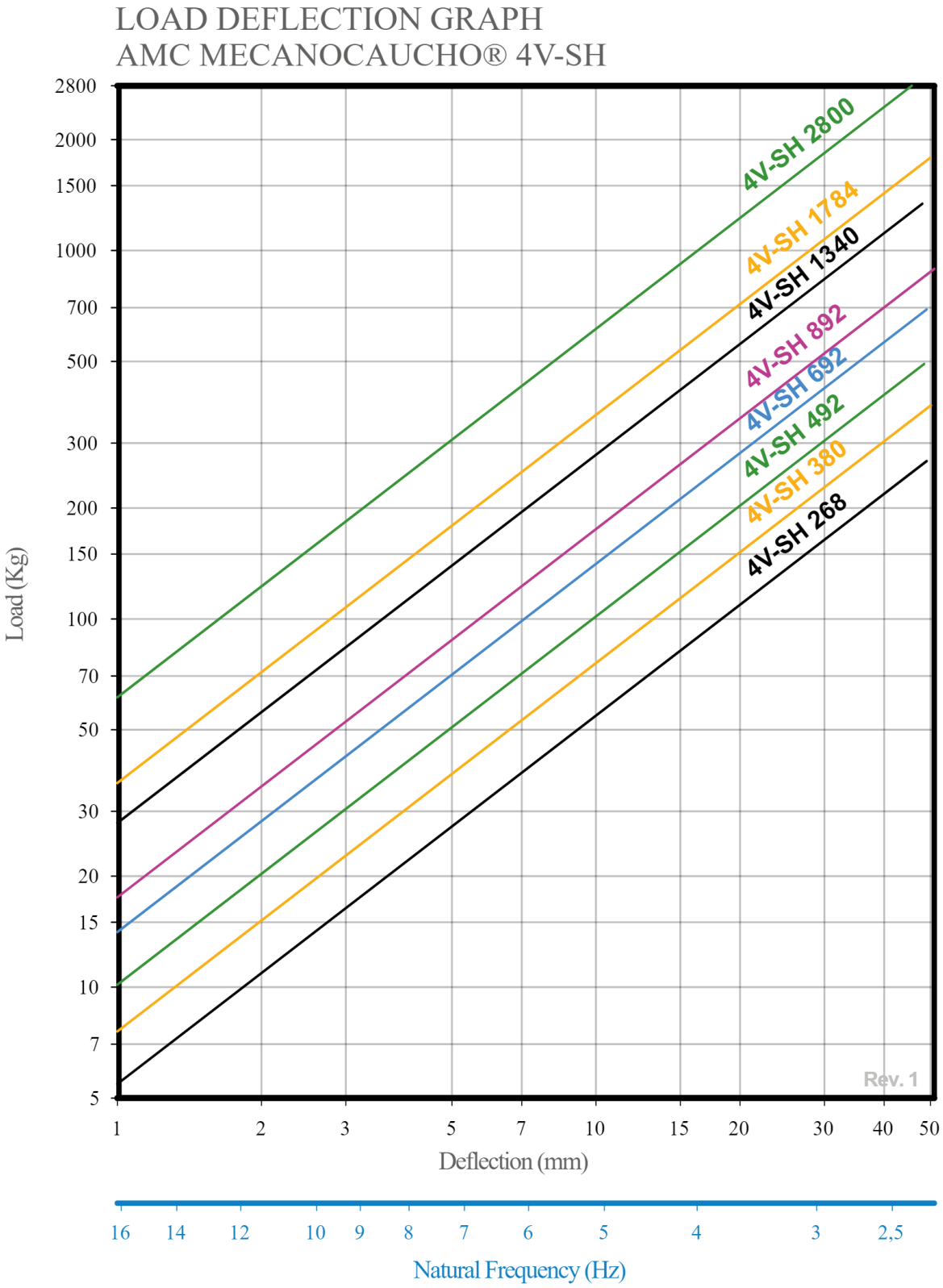
Elastic properties



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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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