4V-SH Anti-Seismic Spring Mount

Four-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® 4V-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 **four steel spring configuration** provides increased 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.

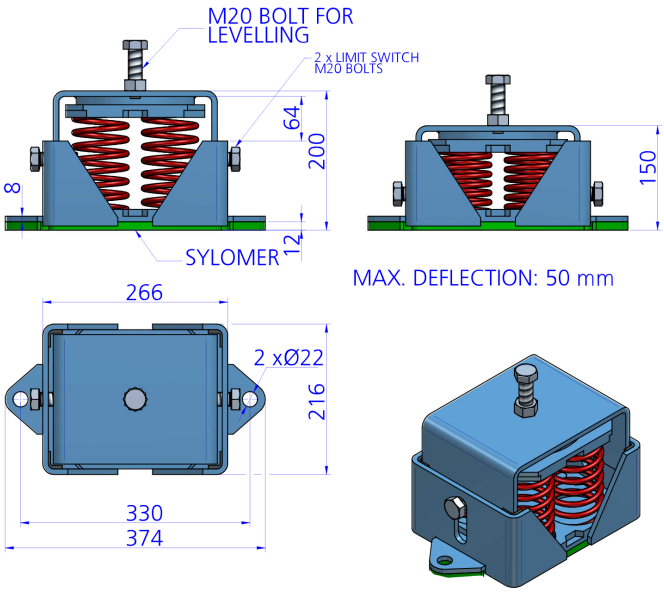
The 4V-SH range is particularly suitable for **HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, generator sets and other heavy technical equipment**.

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Drawings

4V-SH ANTI SEISMIC + SYLOMER

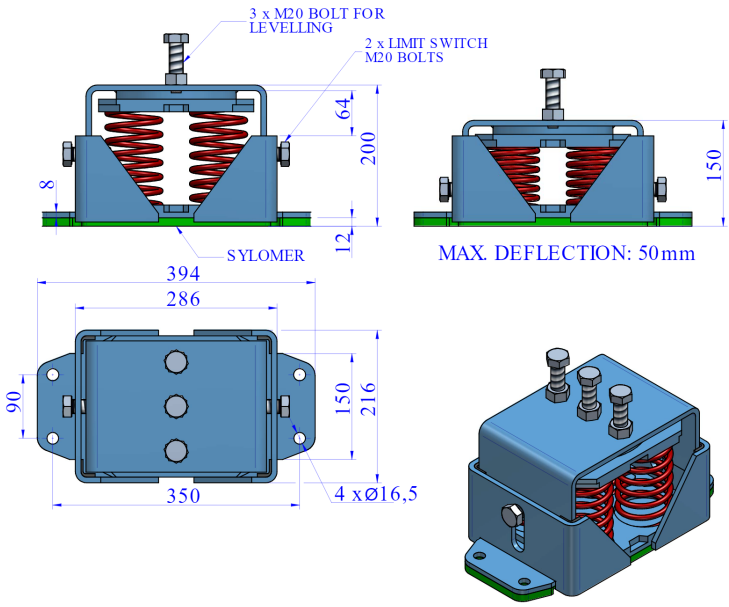


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	Weight(kg)
4V-SH ANTI SEISMIC + SYLOMER	20752	BLUE	268	54	19.909
	20753	WHITE	380	74	20.137
	20754	BLACK	492	100	20.233
	20755	BEIGE	692	138	20.593
	20756	RED	892	172	22.077
	20757	GREY	1340	274	22.881
	20758	GREEN	1784	351	23.945
	20759	BROWN	2800	601	29

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4V-SH ANTI SEISMIC + SYLOMER 4 Holes

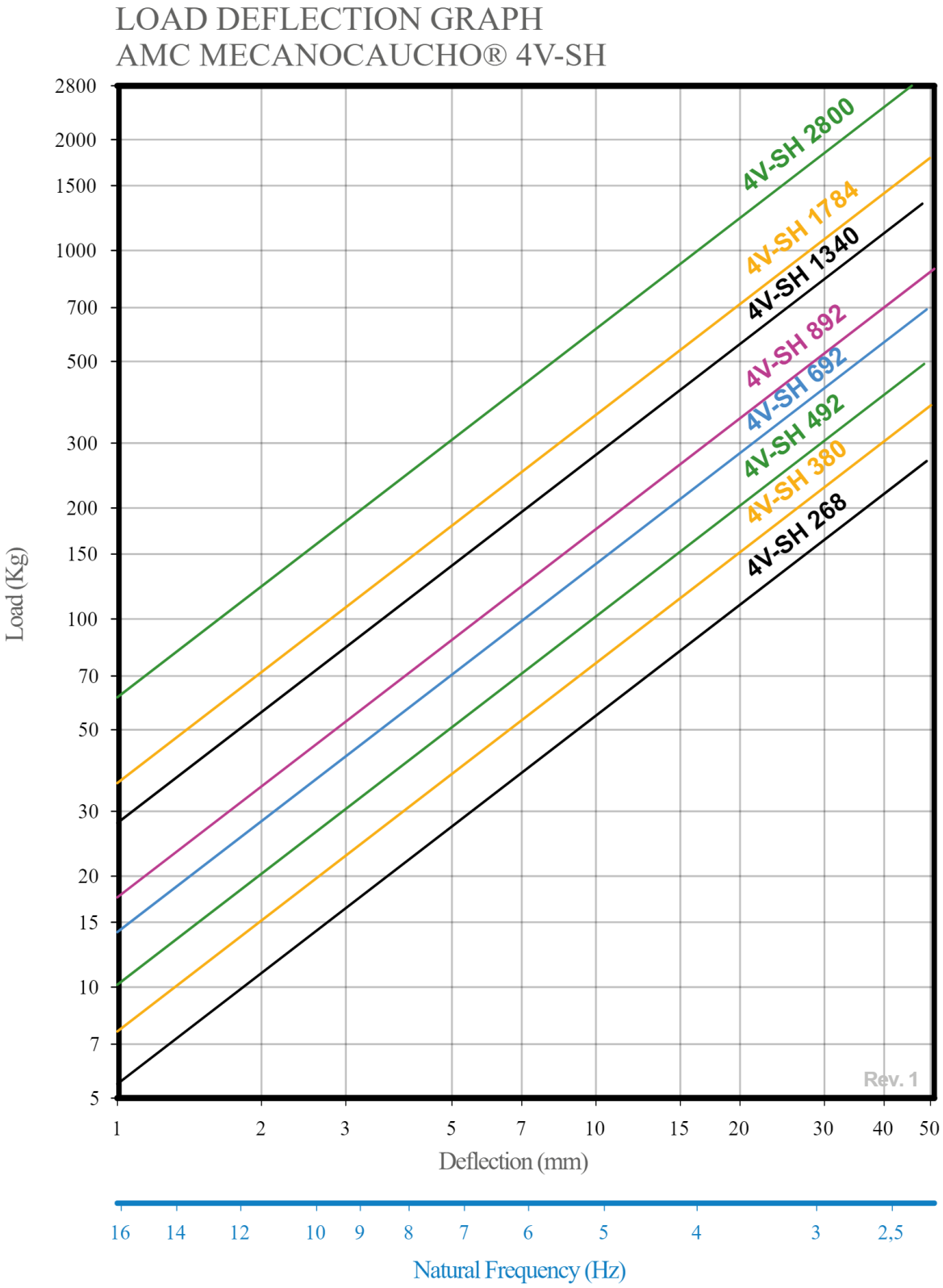


Type	Code	Spring color	Max. Load(kg)	K(N/mm)	Weight(kg)
4V-SH ANTI SEISMIC + SYLOMER 4 Holes	21584	BLUE	268	54	26.982
	21585	WHITE	380	74	27.182
	21586	BLACK	492	100	27.302
	21587	BEIGE	692	138	27.662
	21588	RED	892	172	29.502
	21589	GREY	1340	274	30.302
	21590	GREEN	1784	351	31.102
	21591	BROWN	2800	601	31.102

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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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