Anti-Seismic Preloaded 4V-SX Spring Isolators

Preloaded anti-seismic spring vibration isolators with static deflection up to 76 mm (3 inches), providing a natural frequency of approximately 2 Hz.



AMC-MECANOCAUCHO® Anti-Seismic Preloaded 4V-SX Spring Isolators are designed for applications requiring **high-performance low-frequency vibration isolation**, combined with **mechanical protection under seismic conditions**.

With a **static deflection of up to 76 mm (3 inches)**, the springs provide a **natural frequency of approximately 2 Hz**, ensuring a very high level of low-frequency vibration isolation.

The **adjustable preload system** facilitates installation by maintaining the spring isolator at a predetermined height before the equipment load is fully applied. This design helps prevent **sudden settlement of the equipment** during installation and facilitates system leveling.

A **Sylomer® layer** helps reduce the transmission of **medium- and high-frequency vibrations that may propagate through the steel springs**. The **spring + Sylomer® combination** therefore provides effective vibration isolation over a very wide frequency range.

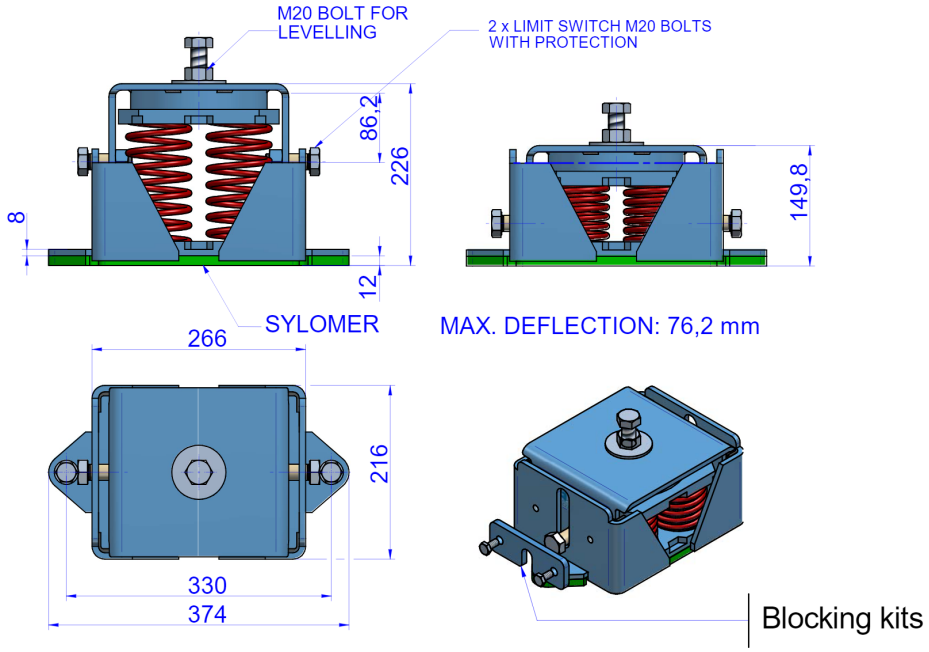
The **integrated seismic restraint system** limits excessive equipment movement under exceptional loads, while allowing the movement required for effective vibration isolation under normal operating conditions.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

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Drawings

4V-SX ANTISÍSMICO PRECARGABLE + SYLOMER®

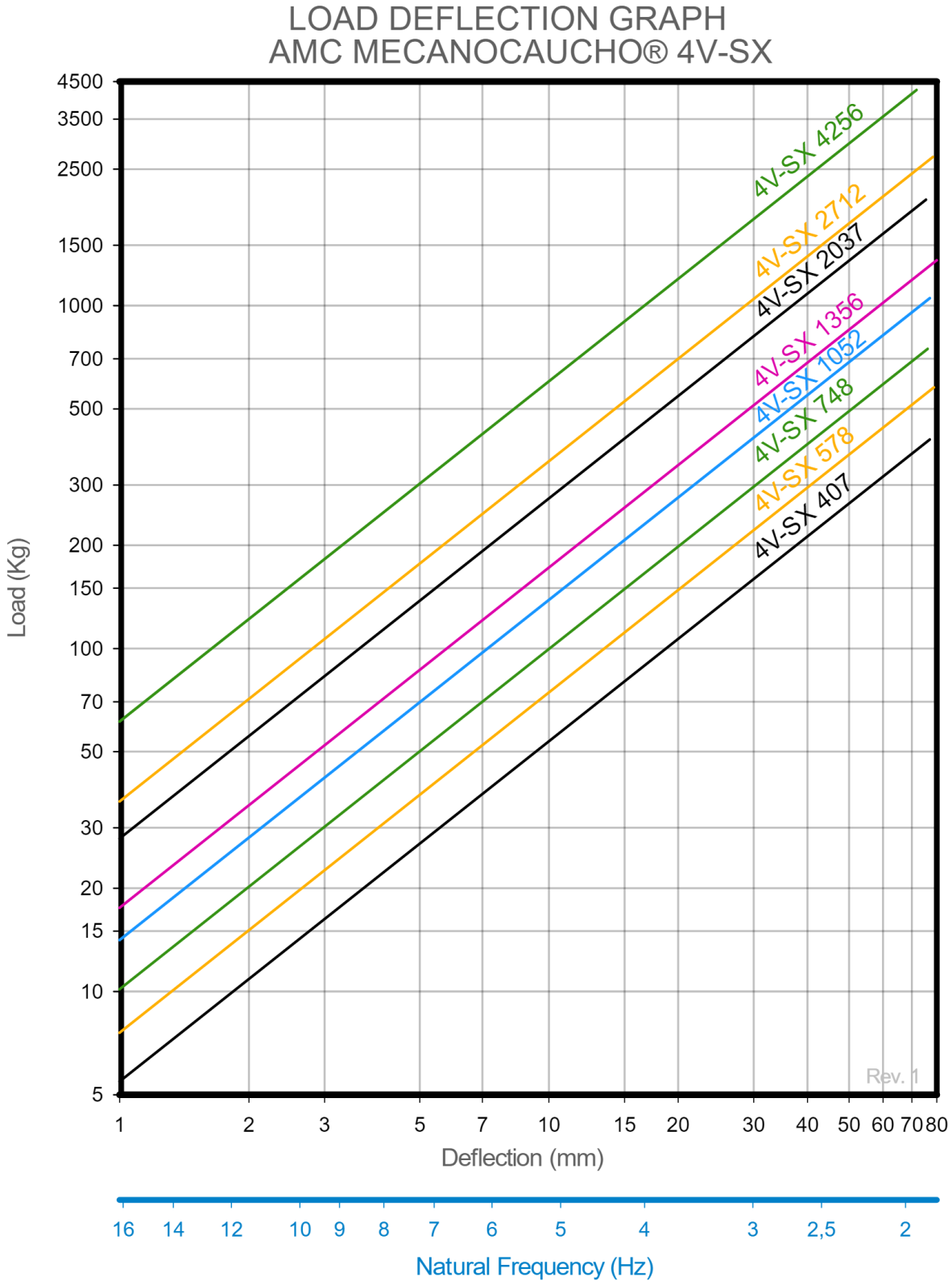


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
4V-SX ANTISÍSMICO PRECARGABLE + SYLOMER®	20802	BLUE	897	53,6	71
	20803	WHITE	1274	74,4	71
	20804	BLACK	1649	99,6	71
	20805	BEIGE	2319	138,4	71
	20806	RED	2989	172	71
	20800	GREY	4490	273,6	71
	20807	GREEN	5977	351,2	71
	20808	BROWN	9380	601,2	71

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Elastic properties



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Technical characteristics

This range of supports consists of:

- A spring with high elasticity and very low natural frequency.
- An incorporated levelling system.
- An incorporated preload system.
- A Sylomer® pad under the mount base in order to isolate mid-high frequencies.

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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