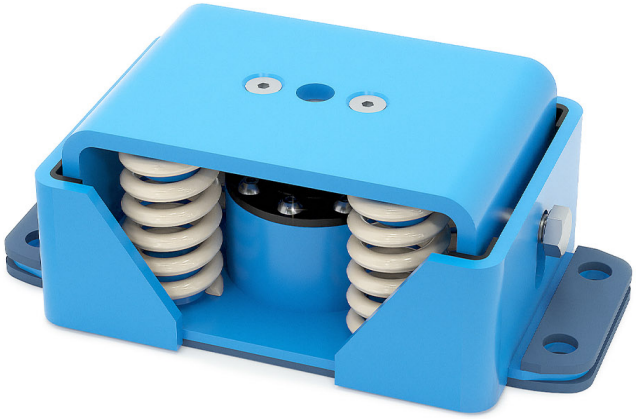
Anti-Seismic Spring Mount VISCO

Anti-seismic spring mount with integrated viscous damper, designed to combine low-frequency vibration isolation, dynamic control and seismic protection.



The **AMC-MECANOCAUCHO® Anti-Seismic Spring Mounts with Viscous Dampers** combine **high-deflection steel springs** with an **integrated viscous damper**, providing effective vibration isolation whilst improving control of equipment movement.

The springs provide a **low natural frequency** for effective low-frequency vibration isolation. The **viscous damper** dissipates energy and limits movement amplitudes during transient conditions, start-up, shutdown and significant dynamic excitation.

The additional viscous damping is particularly beneficial for equipment with a highly eccentric mass distribution or significant rocking and rotational motion. It improves the dynamic stability of the spring-mounted system and, in suitable applications, can avoid the need for additional inertia masses or inertia bases.

The **integrated seismic restraint system** limits excessive equipment displacement under seismic conditions whilst allowing the movement required for effective vibration isolation during normal operation. Its **fail-safe design** also contributes to the mechanical security of the installation.

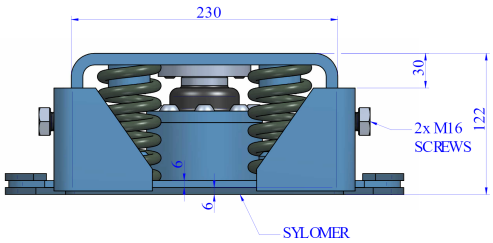
The **epoxy-coated finish** provides good corrosion resistance, making these spring mounts suitable for **demanding industrial environments**.

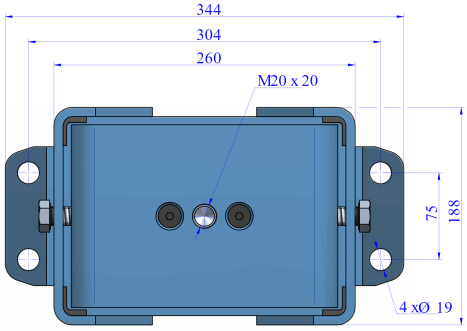
AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

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Drawings

ANTI SEISMIC VISCO MOUNT





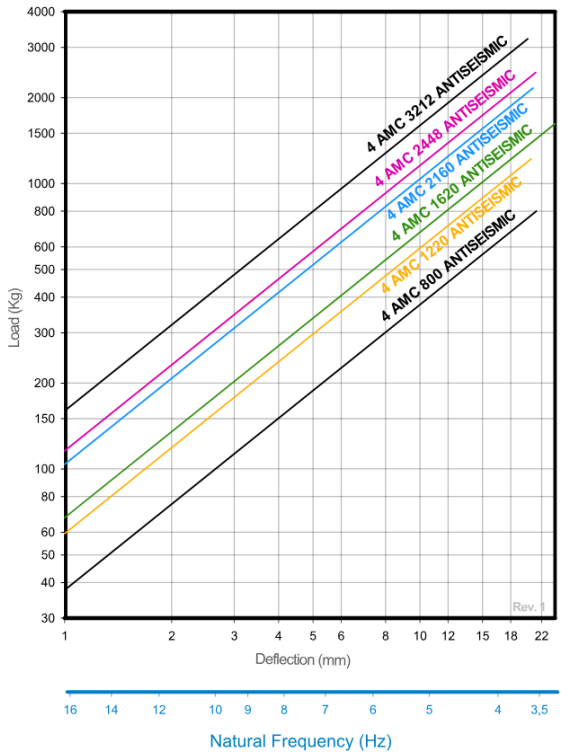
Type	Code	No. Springs	Spring color	Max. Load(kg)	Deflection(mm)	K(N/mm)
ANTI SEISMIC VISCO MOUNT	21269	4	YELLOW	800	22	364
	21256	4	PURPLE	1220	22	556
	21255	4	GREEN	1620	22	736
	21257	4	GREY	2160	22	982
	21258	4	WHITE	2448	22	1113
	21259	4	RED	3212	22	1380

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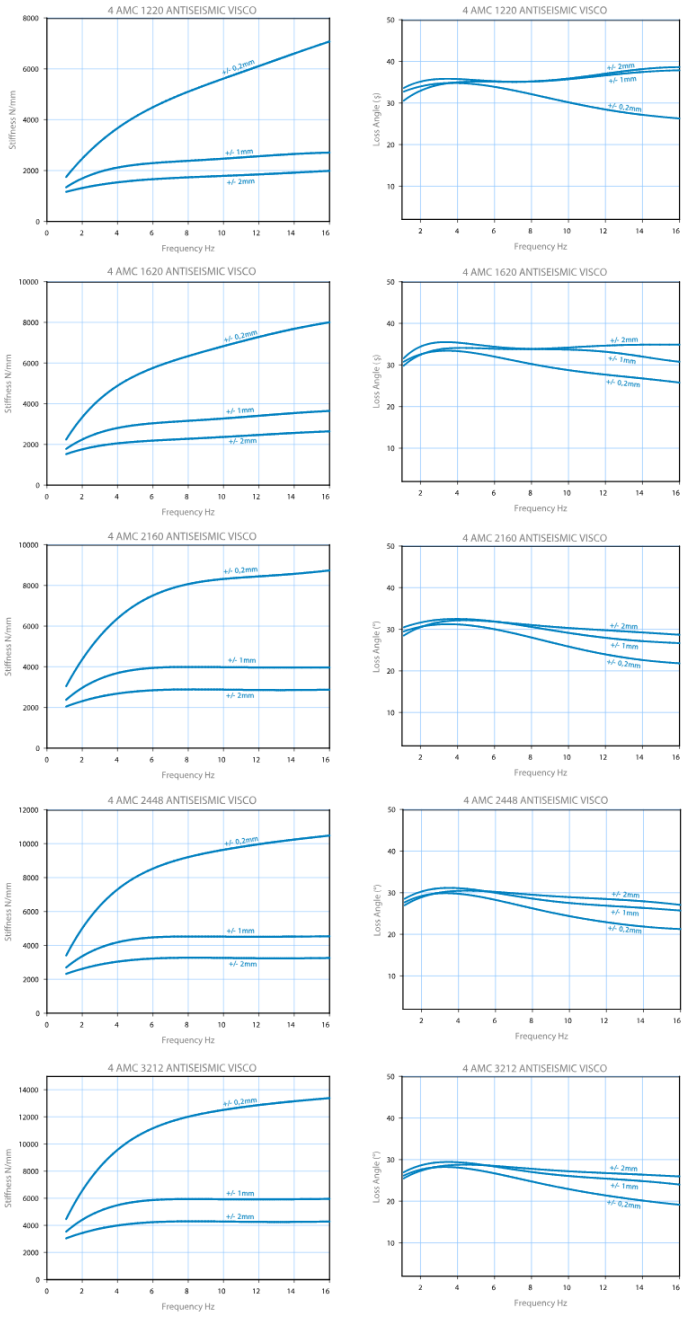
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Elastic properties

LOAD DEFLECTION CURVE
4 AMC ANTISEISMIC VISCO + SYLOMER



DYNAMIC BEHAVIOUR



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Technical characteristics

The AMC-MECANOCAUCHO® **Antiseismic with viscous damper spring mountings**, the lateral buffers incorporate a combination of Sylomer and steel, structurally capable of withstanding to high lateral forces that occur on seismic events.

A layer of Sylomer underneath the mount allows isolation to high frequencies capable of getting through the steel coil springs, allowing a high isolation of noise.

The viscous damper allows critical dampening ratios of above 30%.

The mount is coated in Cataphoreses electro coating to resist at extreme corrosive environments.

Advantages

Improved isolation

It offers improved isolation compared with conventional anti-vibration mounts of similar geometry.

Superior damping that reduces amplification and controls movement

The superior damping enhances equipment stability: when passing through resonance during start-up and shutdown, energy is absorbed, resulting in reduced amplitude.

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended where good durability is required in demanding applications.

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