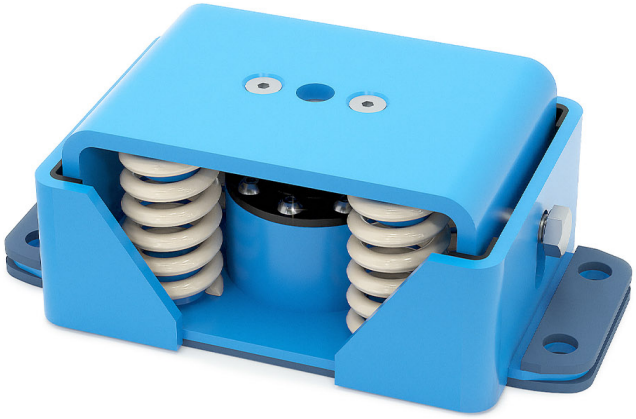
Anti-Seismic Spring Isolator VISCO

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



The **AMC-MECANOCAUCHO® Anti-Seismic Spring Isolators with Viscous Dampers** combine **high-deflection steel springs** with an **integrated viscous damper**, providing effective vibration isolation while 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, startup, 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-isolated 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 while allowing the movement required for effective vibration isolation during normal operation. Its **fail-safe design** also contributes to the mechanical security of the installation.

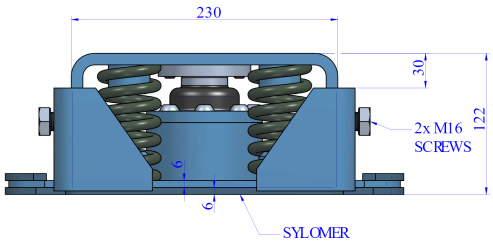
The **epoxy-coated finish** provides good corrosion resistance, making these spring isolators suitable for **demanding industrial environments**.

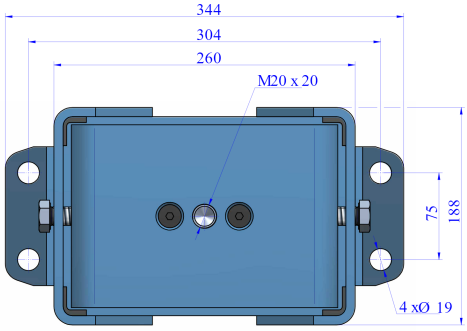
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Drawings

ANTI SEISMIC VISCO MOUNT





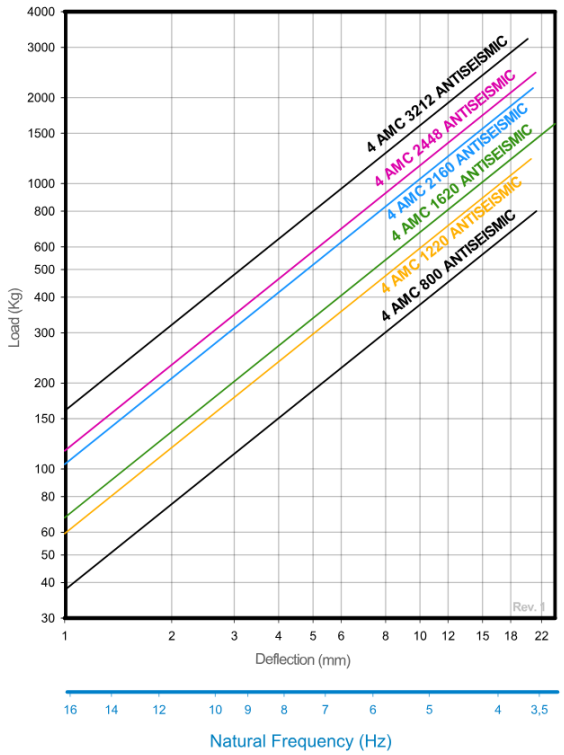
Type	Code	No. Springs	Spring color	Max. Load(lbs)	Deflection(in)	K(N/mm)
ANTI SEISMIC VISCO MOUNT	21269	4	YELLOW	1763	0.87	364
	21256	4	PURPLE	2689	0.87	556
	21255	4	GREEN	3570	0.87	736
	21257	4	GREY	4761	0.87	982
	21258	4	WHITE	5395	0.87	1113
	21259	4	RED	7079	0.87	1380

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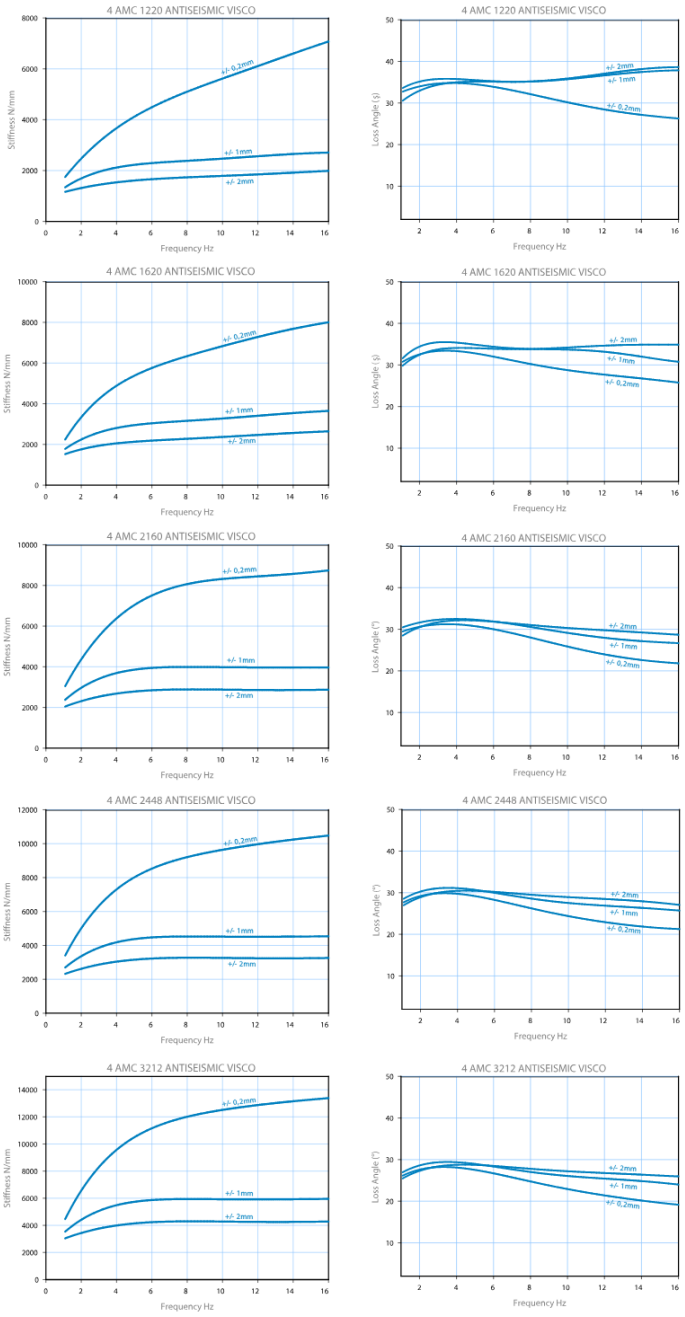
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Elastic properties

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 to 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 startup 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 when good durability is required in demanding applications.

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