

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.

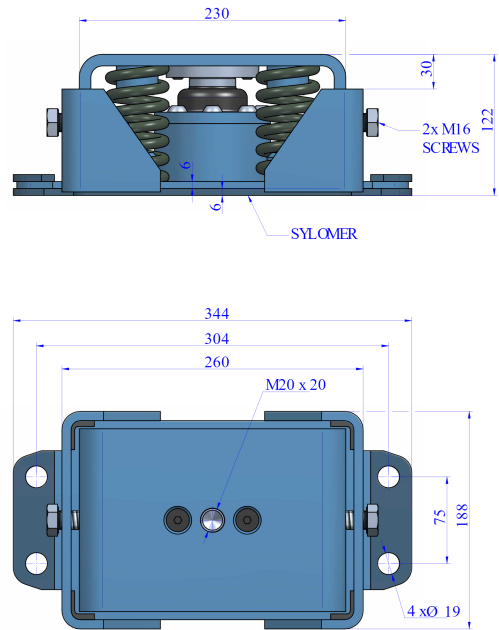
The additional viscous damping is particularly beneficial for equipment with a highly eccentric mass distribution or significant rocking and rotational motion. It improves the dynamic stability of the spring-isolated system and, in suitable applications, can avoid the need for additional inertia masses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

Drawings

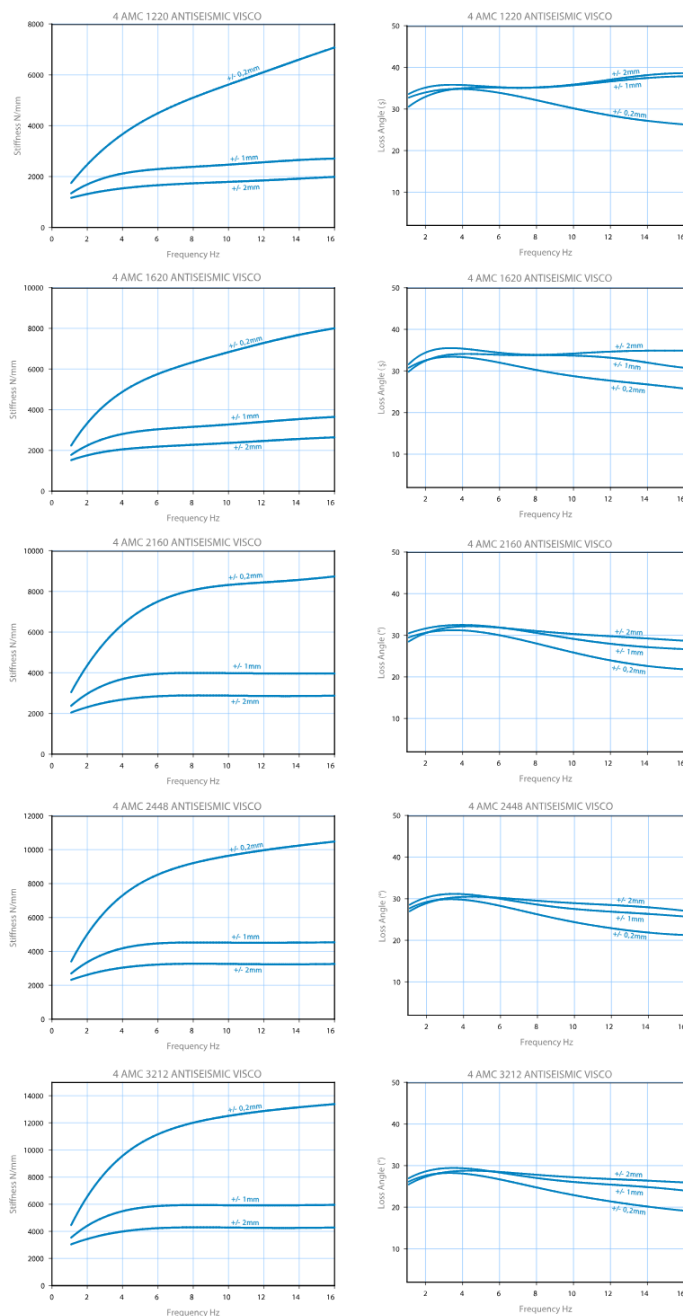
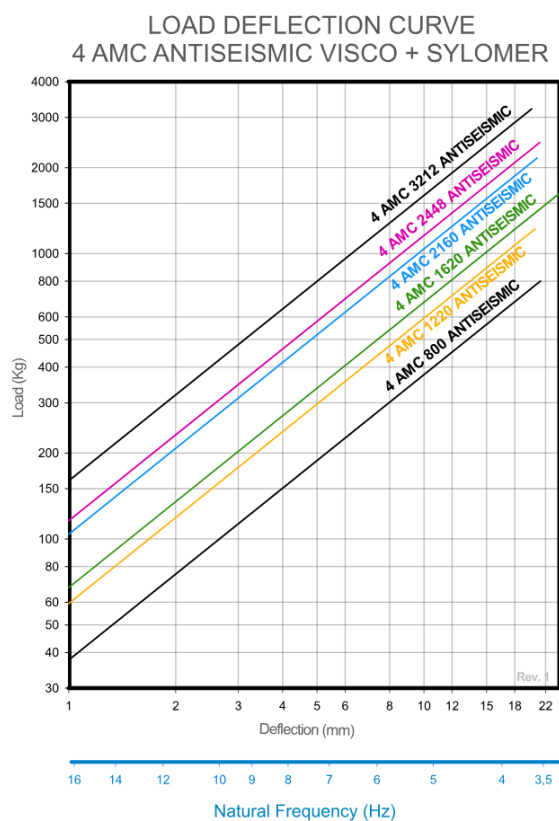
ANTI SEISMIC VISCO MOUNT



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

Elastic properties

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.



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