

2V-SH Anti-Seismic Spring Isolator

VISCO

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



The **AMC-MECANOCAUCHO® 2V-SH Anti-Seismic Spring Isolator** combines **two 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.

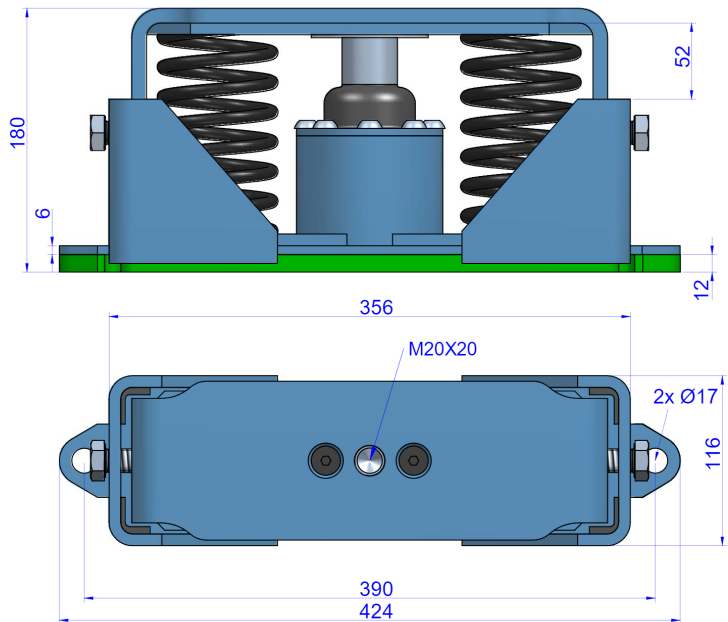
The additional viscous damping is particularly beneficial for equipment with a highly eccentric mass distribution or significant rocking and rotational motion. It improves the dynamic stability of the spring-mounted system and, in suitable applications, can avoid the need for additional inertia masses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

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

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

Drawings

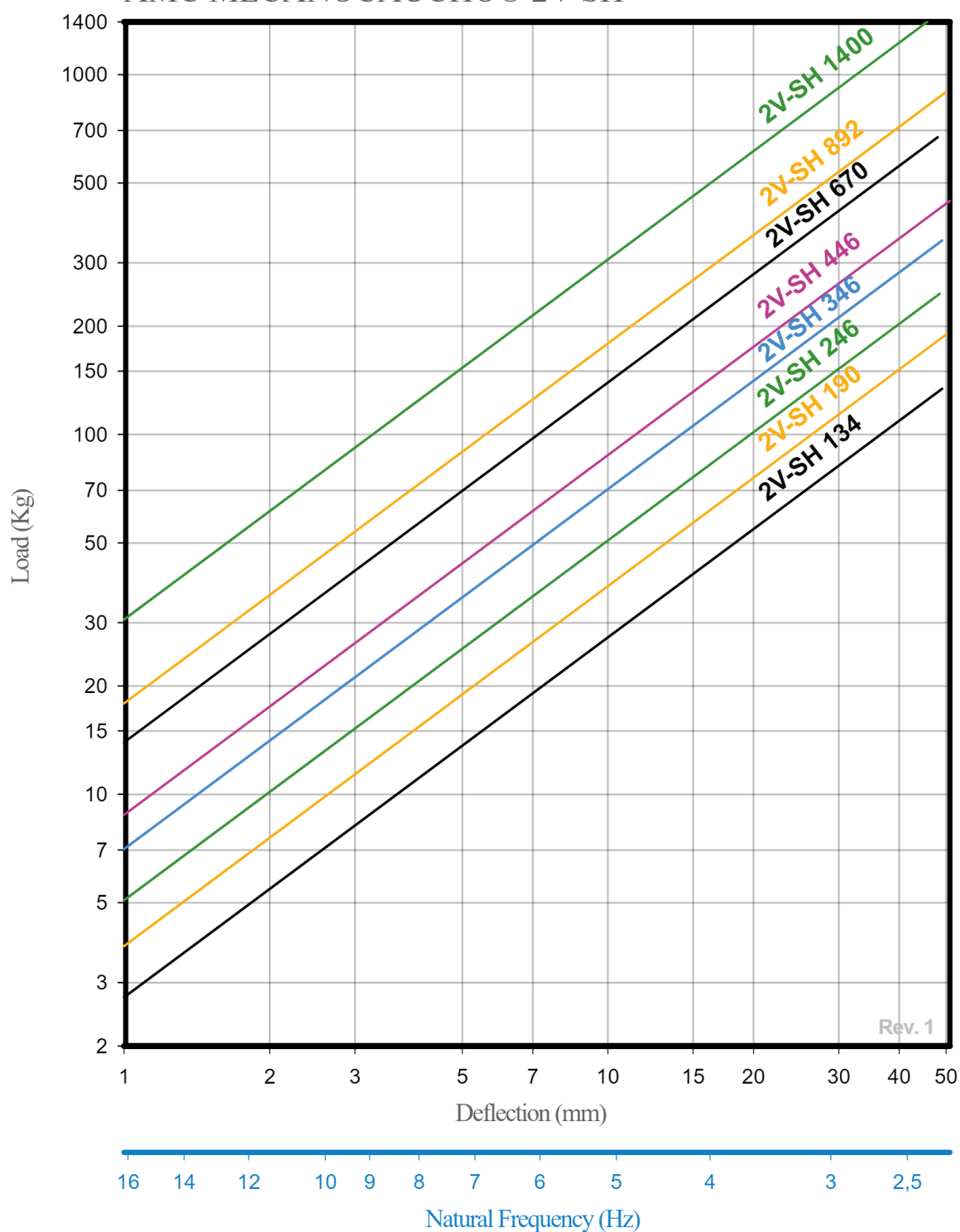
2V-SH ANTI SEISMIC VISCO MOUNT



Type	Code	Spring color	No. Springs	Max. Load (lbs)	Deflection(in)	K(N/mm)
2V-SH ANTI SEISMIC VISCO MOUNT	21600	BLUE	2	295	1.97	27
	21601	WHITE	2	419	1.97	37
	21602	BLACK	2	542	1.97	50
	21603	BEIGE	2	763	1.97	69
	21604	RED	2	983	1.97	86
	21605	GREY	2	1477	1.97	137
	21606	GREEN	2	1966	1.97	176
	21607	BROWN	2	3086	1.97	301

Elastic properties

LOAD DEFLECTION GRAPH AMC MECANOCAUCHO® 2V-SH



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.

