

2V-SH Anti-Seismic Spring Mount

VISCO

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



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

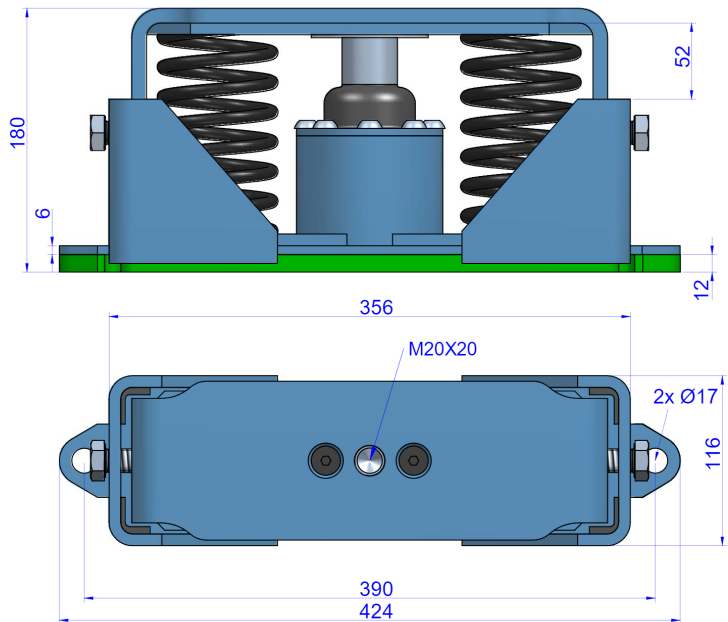
The additional viscous damping is particularly beneficial for equipment with a highly eccentric mass distribution or significant rocking and rotational motion. It improves the dynamic stability of the spring-mounted system and, in suitable applications, can avoid the need for additional inertia masses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

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

Drawings

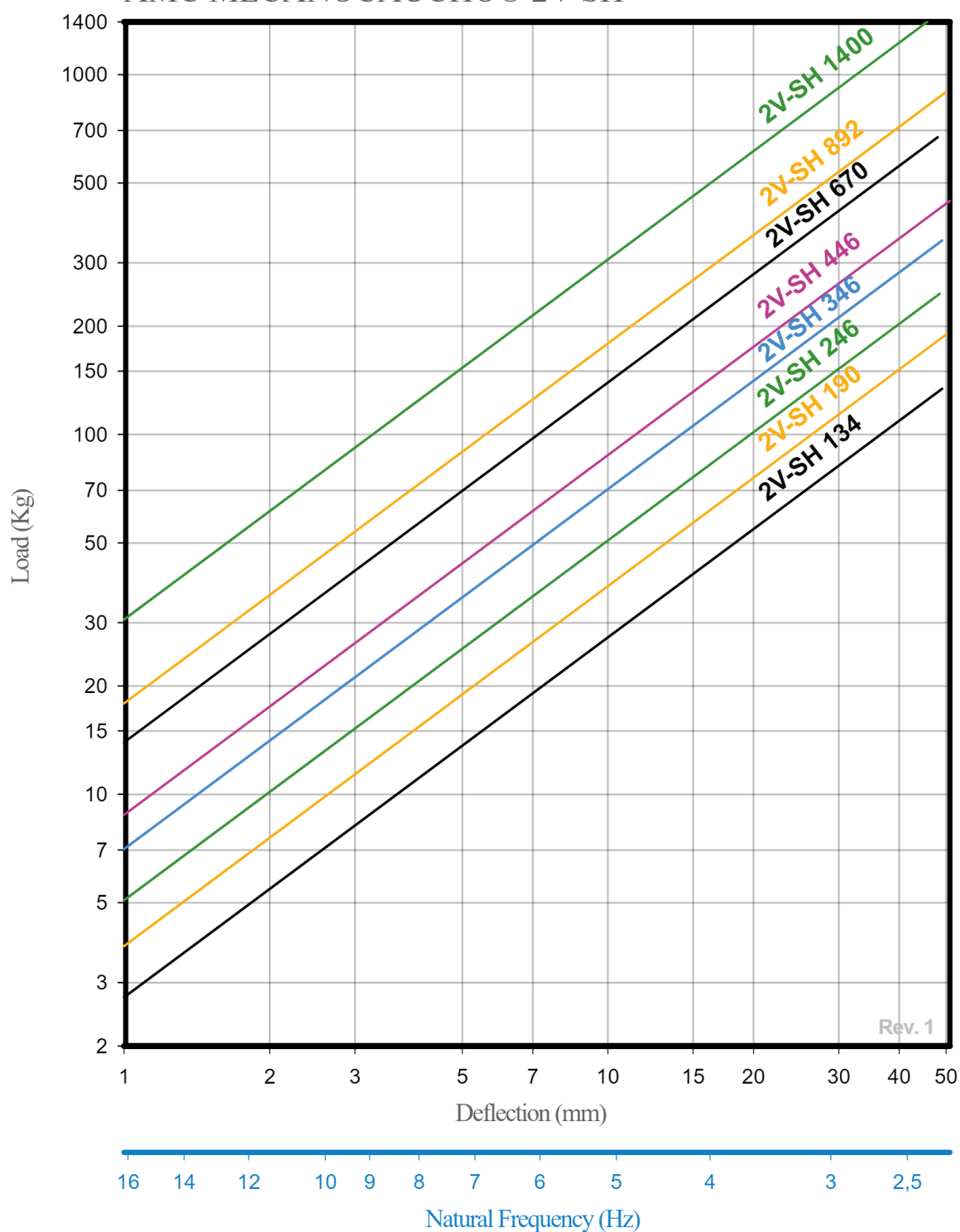
2V-SH ANTI SEISMIC VISCO MOUNT



Type	Code	Spring color	No. Springs	Max.Load (kg)	Deflection(mm)	K(N/mm)
2V-SH ANTI SEISMIC VISCO MOUNT	21600	BLUE	2	134	50	27
	21601	WHITE	2	190	50	37
	21602	BLACK	2	246	50	50
	21603	BEIGE	2	346	50	69
	21604	RED	2	446	50	86
	21605	GREY	2	670	50	137
	21606	GREEN	2	892	50	176
	21607	BROWN	2	1400	50	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.

