9V-SR Anti-Seismic Spring Isolator

Nine-spring anti-seismic isolator for very high loads, with low-frequency vibration isolation, integrated seismic restraint, and Sylomer® layer.



The **AMC-MECANOCAUCHO® 9V-SR Anti-Seismic Spring Isolator** incorporates **nine high-deflection steel springs** and is designed for equipment requiring **very high load capacity**, **effective low-frequency vibration isolation**, and mechanical protection under seismic conditions.

The nine-spring configuration provides a **particularly high load capacity** while maintaining a **low natural frequency**, effectively reducing the transmission of vibration from the equipment to the supporting structure.

A **Sylomer® layer** complements the springs by reducing the transmission of **mid- and high-frequency vibration** that may propagate through the steel springs. The combination of **springs + Sylomer®** therefore provides effective vibration isolation over a wide frequency range.

The spring isolator also incorporates an **integrated leveling system** for precise equipment height adjustment and an **anti-slip rubber base**.

Under exceptional or seismic loads, the **integrated seismic restraint system** limits excessive equipment movement while allowing the movement required for effective vibration isolation under normal operating conditions.

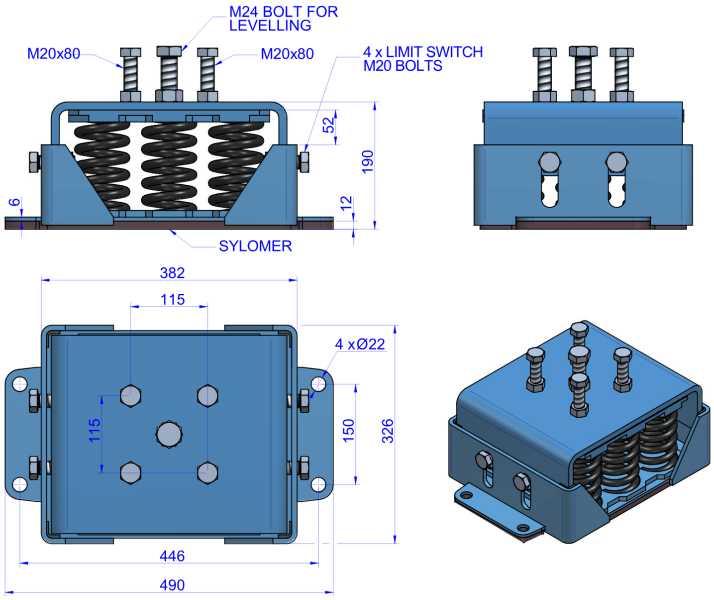
The 9V-SR range is particularly suitable for **heavy HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, and high-capacity generator sets** requiring very high load capacity.

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Drawings

9V-SR ANTI SEISMIC + SYLOMER

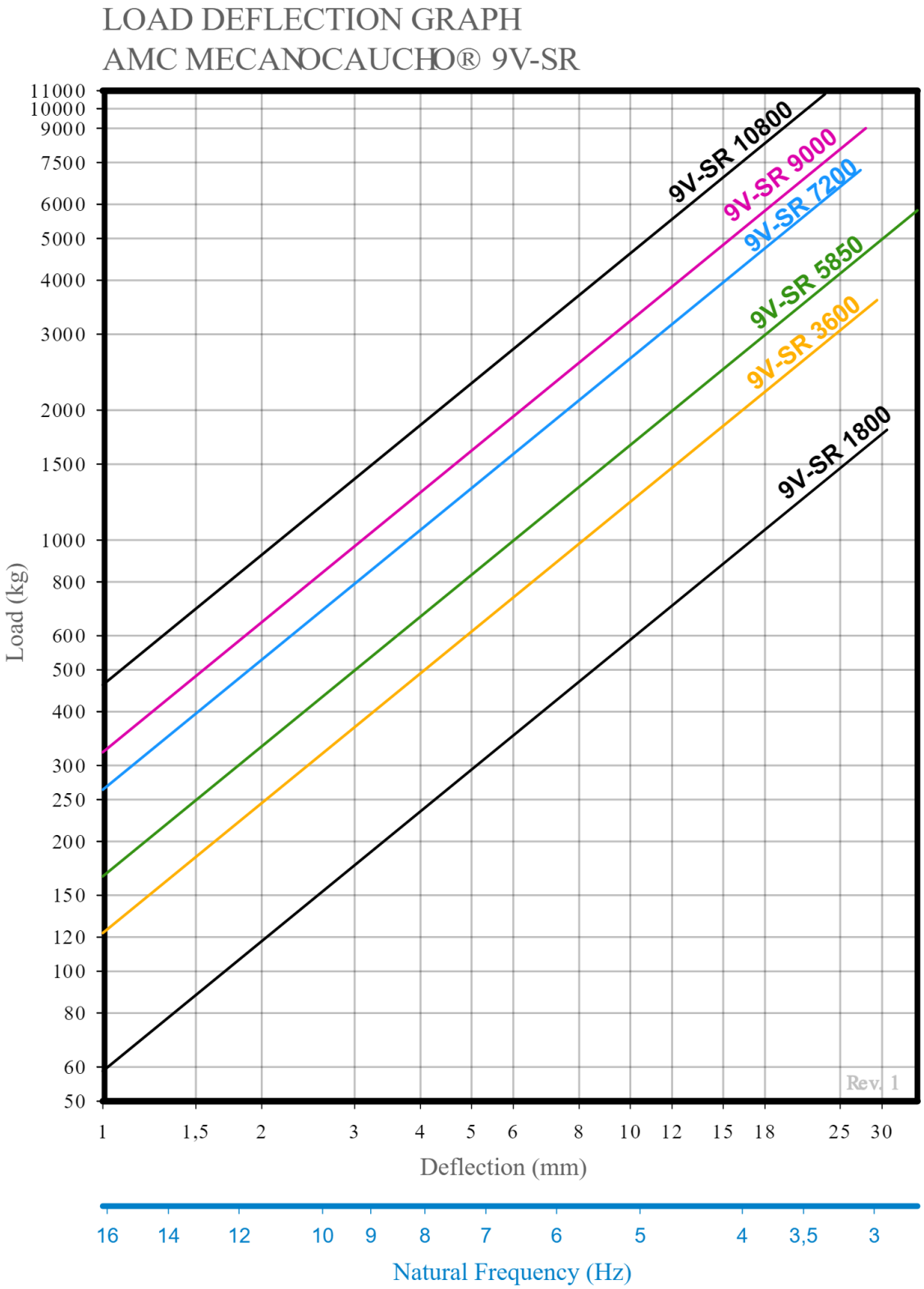


Type	Code	Max. Load(lbs)	Spring color	K(N/mm)	Weight(lbs)
9V-SR ANTI SEISMIC + SYLOMER	21348	3967	BLACK	576	115
	21349	7934	BLACK	1203	121
	20952	12893	BLACK	1629	121
	20953	15869	BLACK	2587	121
	20954	19836	BLACK	3160	127
	20955	23803	BLACK	4530	128

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Elastic properties



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Technical characteristics

The mounts are able to reach low natural frequencies from 3 to 5 Hz. The spring combined with Sylomer® is able to provide high isolation at low-medium-high frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring. Working range temperature from -30°C to +70°C. Short term higher temperatures are possible.

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