6V-SR Anti-Seismic Spring Isolator

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



The **AMC-MECANOCAUCHO® 6V-SR Anti-Seismic Spring Isolator** incorporates **six high-deflection steel springs** and is designed for equipment requiring **high load capacity**, **effective low-frequency vibration isolation**, and mechanical protection under seismic conditions.

The six-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.

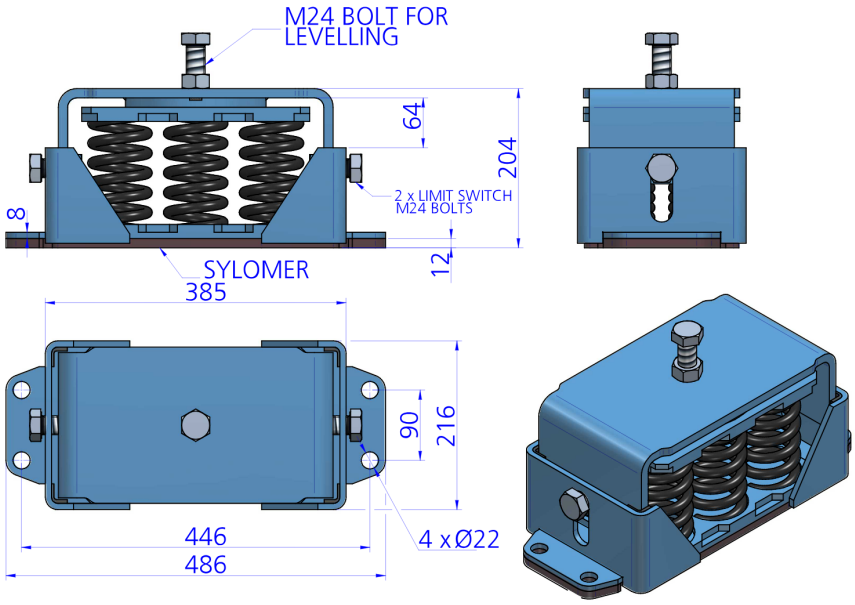
The 6V-SR range is particularly suitable for **heavy HVAC equipment, refrigeration units, air handling units, pumps, fans, compressors, and generator sets** requiring high load capacity.

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Drawings

6V-SR ANTI SEISMIC + SYLOMER

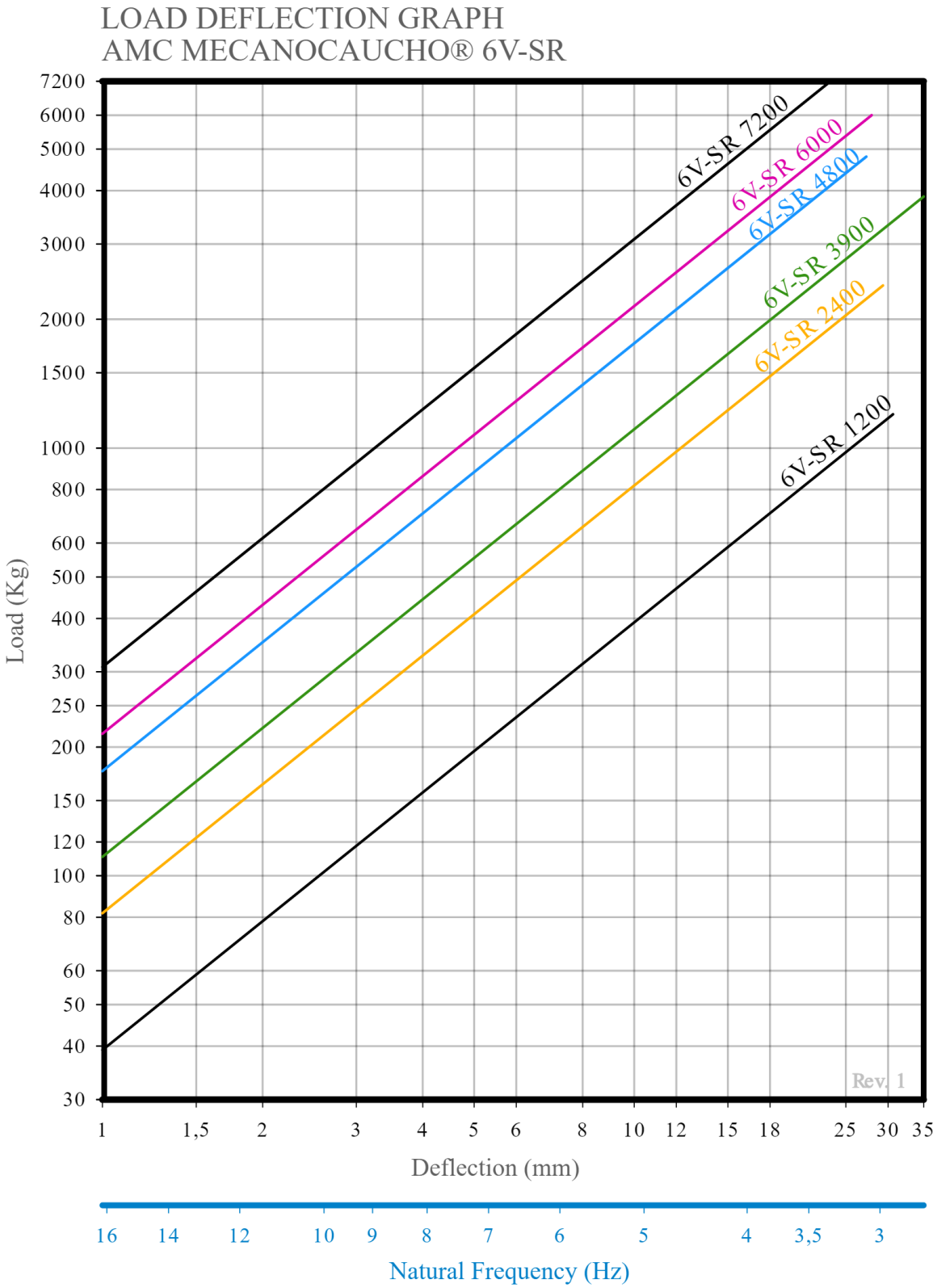


Type	Code	Max. Load(lbs)	Spring color	K(N/mm)	Weight(lbs)
6V-SR ANTI SEISMIC + SYLOMER	21346	2645	BLACK	384	65
	21347	5290	BLACK	802	68
	20877	8596	BLACK	1086	79
	20878	10579	BLACK	1724	79
	20879	13224	BLACK	2107	83
	20880	15869	BLACK	3020	84

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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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