4V-SR Anti-Seismic Spring Isolator

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



The **AMC-MECANOCAUCHO® 4V-SR Anti-Seismic Spring Isolator** incorporates **four 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 four-spring configuration provides a **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 extends the effective vibration isolation 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.

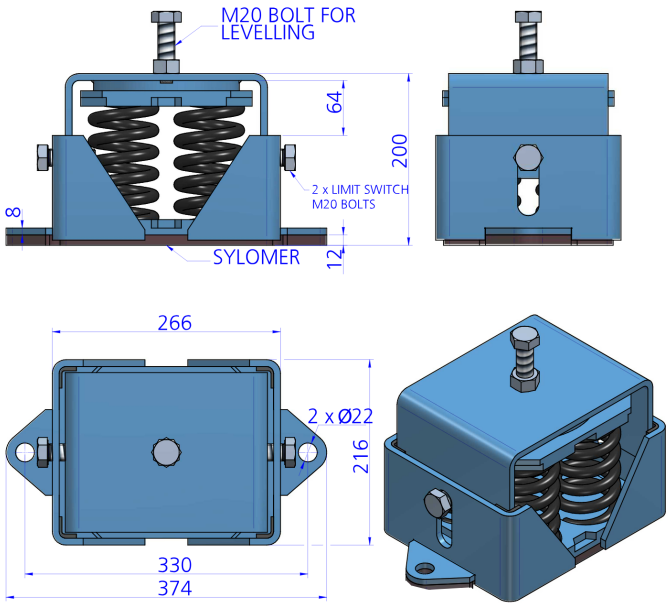
The 4V-SR range is particularly suitable for **HVAC equipment, refrigeration units, pumps, fans, compressors, generator sets, and other heavy mechanical equipment**.

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Drawings

4V-SR ANTI SEISMIC + SYLOMER

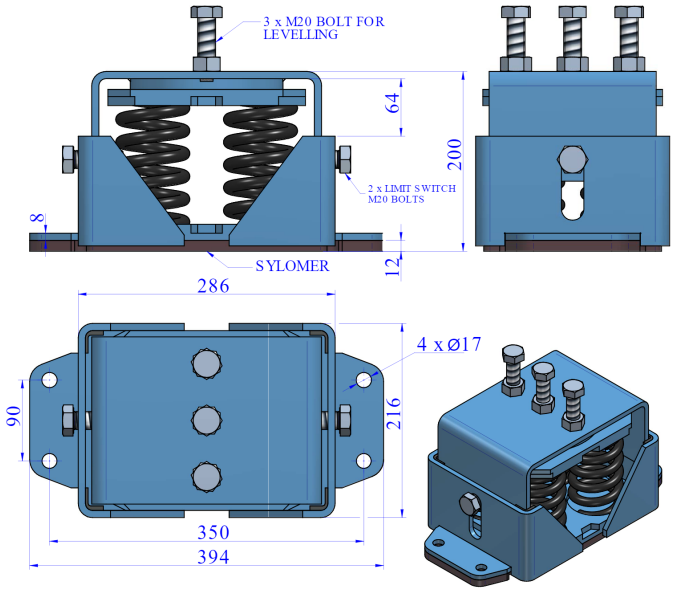


Type	Code	Max. Load(lbs)	Spring color	K(N/mm)	Weight(lbs)
4V-SR ANTI SEISMIC + SYLOMER	21344	1763	BLACK	256	52
	21345	3526	BLACK	535	54
	21141	5730	BLACK	724	52
	21142	7053	BLACK	1150	53
	21143	8816	BLACK	1404	61
	21144	10579	BLACK	2013	56

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4V-SR ANTI SEISMIC + SYLOMER 4 Holes

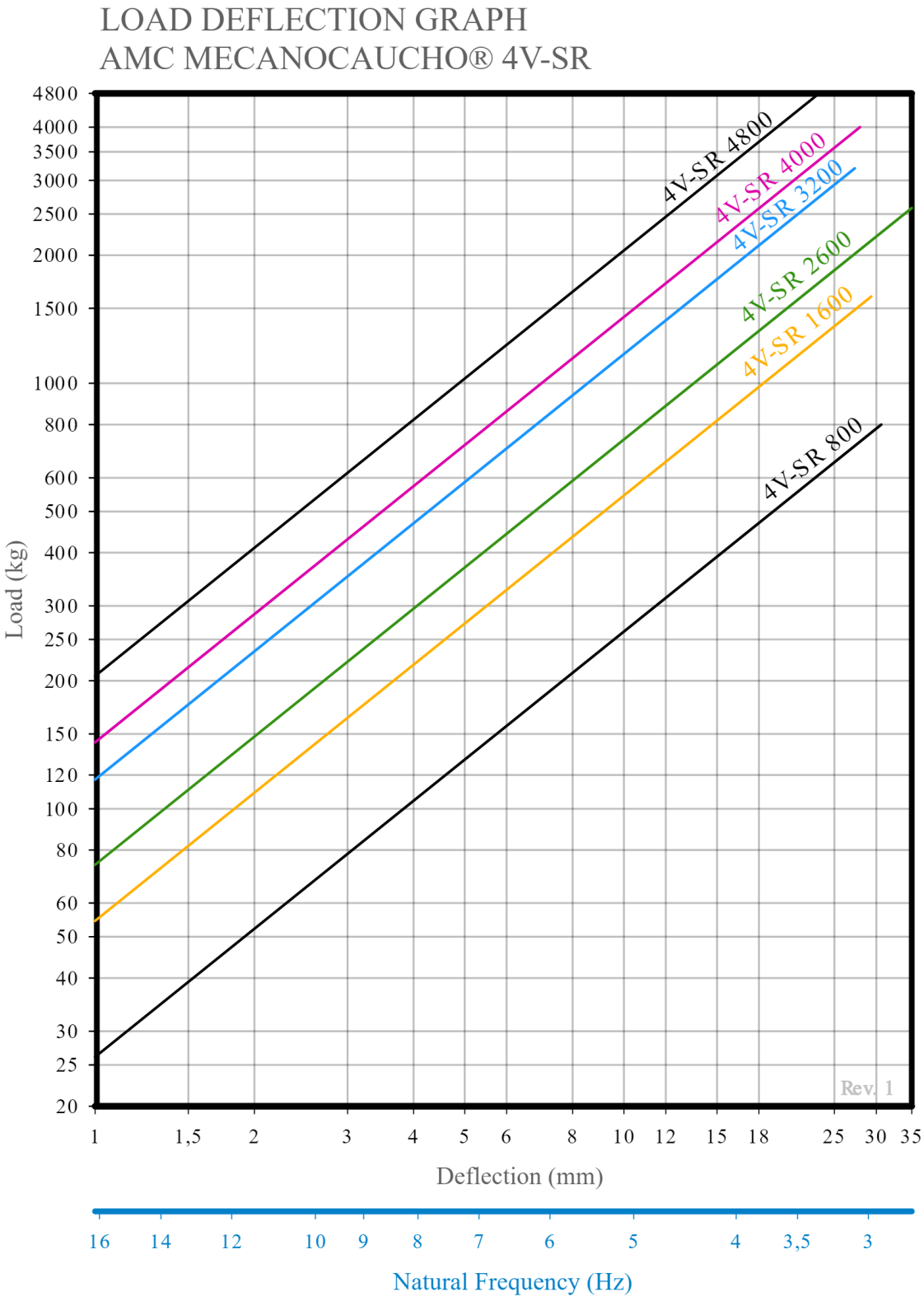


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
4V-SR ANTI SEISMIC + SYLOMER 4 Holes	21562	BLACK	1763	256	66
	21563	BLACK	3526	535	69
	21564	BLACK	5730	724	76
	21565	BLACK	7053	1150	76
	21566	BLACK	8816	1404	80
	21567	BLACK	10579	2013	81

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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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