1V-SR Anti-Seismic Spring Isolator

High-load anti-seismic spring isolator designed for low-frequency vibration isolation, with integrated seismic restraint and Sylomer® layer.



The **AMC-MECANOCAUCHO® 1V-SR Anti-Seismic Spring Isolator** is designed for equipment requiring **high load capacity**, **effective low-frequency vibration isolation**, and mechanical protection under seismic conditions.

Its **high-deflection steel spring** provides a **low natural frequency**, effectively reducing the transmission of low-frequency vibration. A **Sylomer® layer** complements the spring by reducing the transmission of **mid- and high-frequency vibration**, thereby extending the effective vibration isolation range.

The 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.

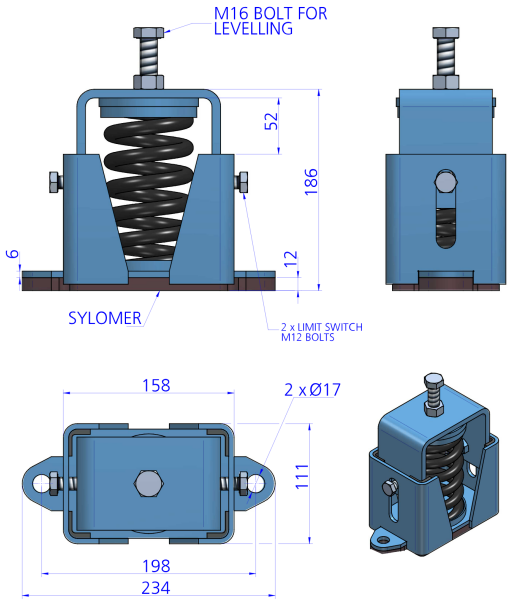
The 1V-SR range is particularly suitable for **HVAC equipment, refrigeration units, pumps, fans, compressors, generator sets, and other heavy mechanical equipment** requiring both vibration isolation and seismic protection.

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Drawings

V-SR ANTI SEISMIC + SYLOMER

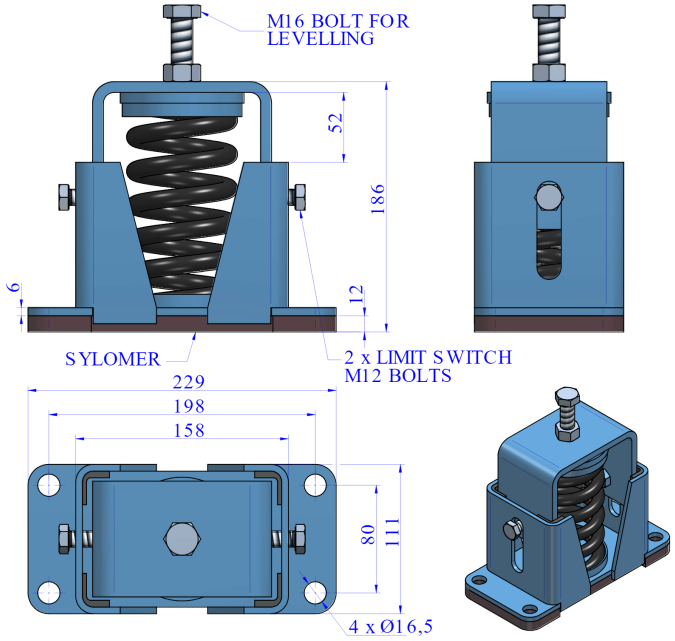


Type	Code	Max. Load(lbs)	Spring color	K(N/mm)	Weight(lbs)
V-SR ANTI SEISMIC + SYLOMER	21340	441	BLACK	64	13
	21341	882	BLACK	134	13
	20502	1433	BLACK	181	15
	20503	1763	BLACK	287	15
	20504	2204	BLACK	351	16
	20505	2645	BLACK	503	16

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V-SR ANTI SEISMIC + SYLOMER 4 Holes

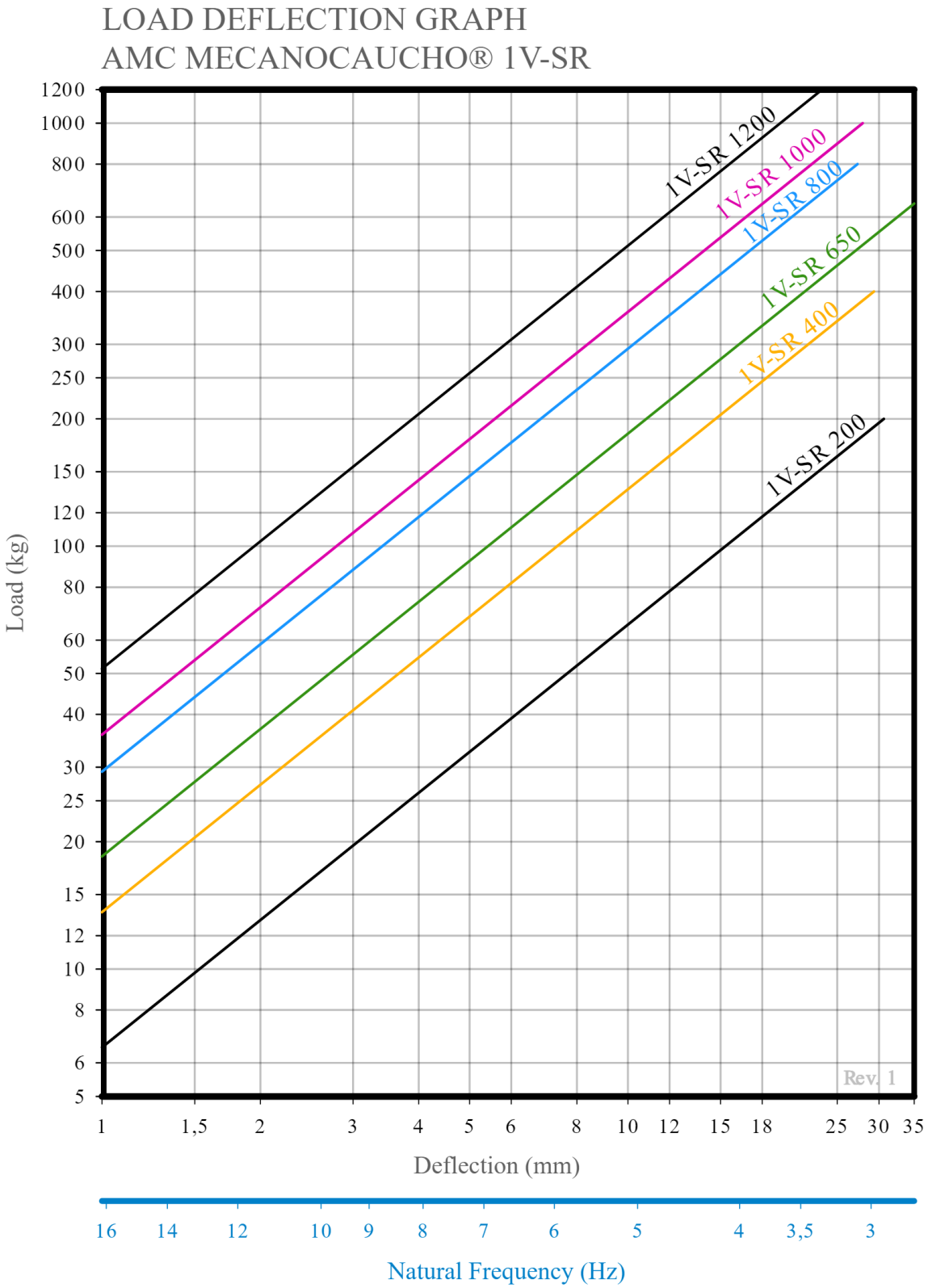


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	Weight(lbs)
V-SR ANTI SEISMIC + SYLOMER 4 Holes	21550	BLACK	441	64	15
	21551	BLACK	882	134	16
	21552	BLACK	1433	181	17
	21553	BLACK	1763	287	17
	21554	BLACK	2204	351	18
	21555	BLACK	2645	503	19

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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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