9V-SR Spring Isolator

High-capacity spring isolator with Sylomer® base, offering up to 1.2 in (30 mm) static deflection and a natural frequency as low as 4 Hz.

The **AMC-MECANOCAUCHO® 9V-SR Spring Isolator** is designed for the **vibration isolation of machinery and equipment with high loads**, requiring a low natural frequency and effective low-frequency vibration isolation.

With a **static deflection of up to 1.2 in (30 mm)**, the springs provide **natural frequencies as low as 4 Hz**, ensuring effective low-frequency vibration isolation.

An **integrated leveling system** facilitates height adjustment and accurate leveling of the equipment during installation.

The 9V-SR Spring Isolator is supplied as standard with a **Sylomer® base**, which complements the action of the springs by reducing the transmission of **mid and high frequencies that may propagate through the steel springs**. The **springs + Sylomer® combination** therefore provides effective vibration isolation over a broader frequency range.

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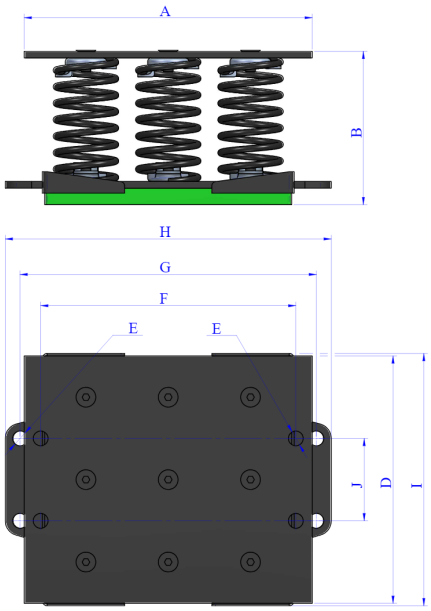
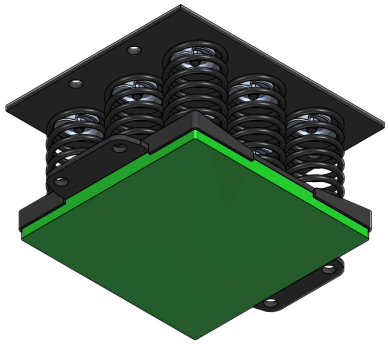
Drawings

9V-SR





Type	Code	Max. Load (lbs)	Spring color	K(N/mm)	A(in)	B(in)	D(in)	E(in)	F(in)	G(in)	H(in)	I(in)	J(in)	Weight(lbs)
9V-SR	21332	3967	BLACK	576	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	62
	21333	7934	BLACK	1203	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	44
	21111	12893	BLACK	1629	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	44
	21112	15869	BLACK	2587	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	44
	21113	19836	BLACK	3160	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	48
	21114	23803	BLACK	4530	13.78	7.09	11.81	0.71	12.2	14.17	15.59	12.05	3.94	49

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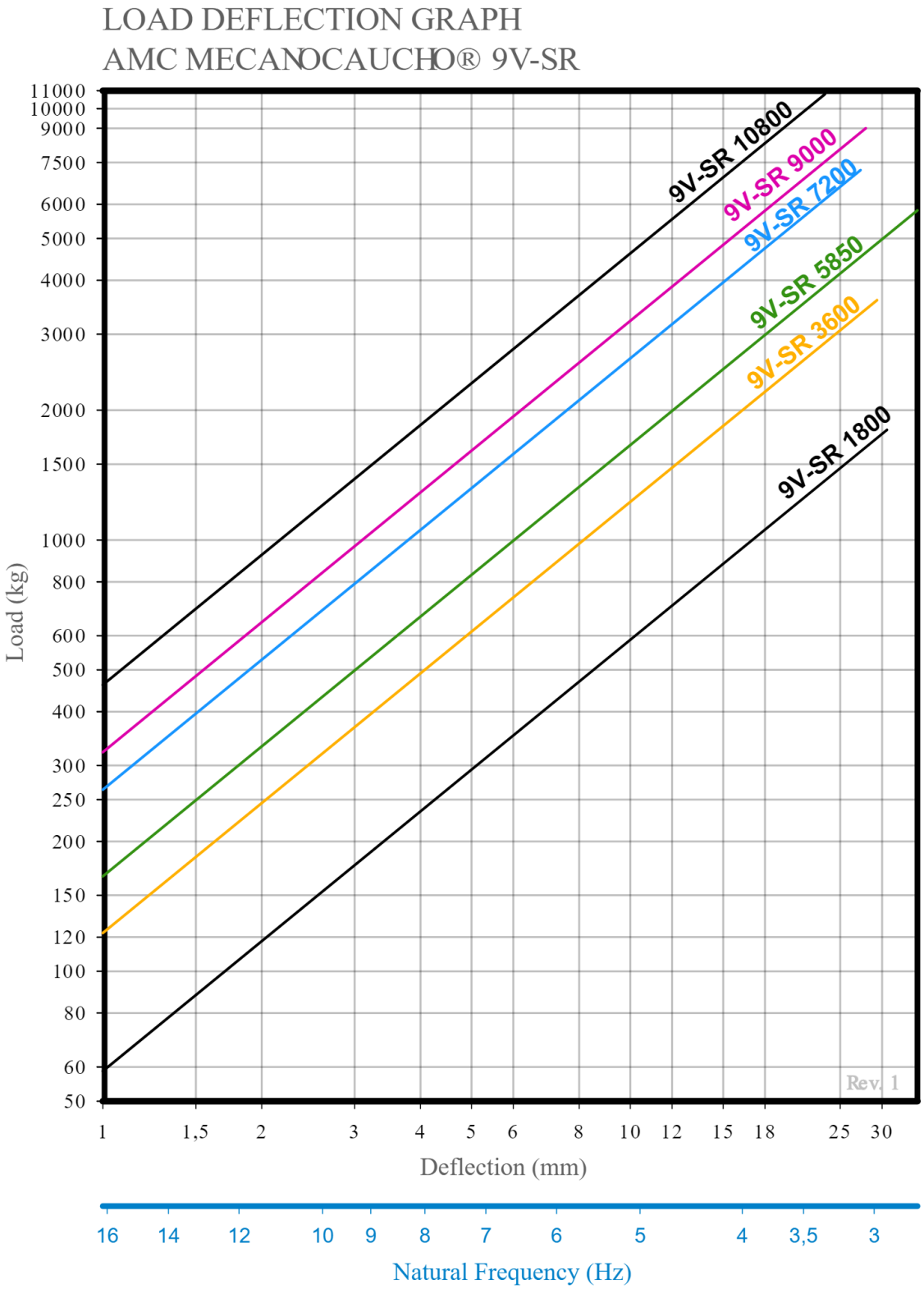
Elastic properties



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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 and medium frequencies.

The curves are showing the deflection and natural frequencies according to the load of the spring. Temperature working range from -30 to 70º. Short term higher temperatures are possible.

Advantages

Easy installation

This mount requires no major modifications to the structure for installation.

Improved isolation

It offers improved isolation compared to conventional anti-vibration mounts of similar geometry.

Incorporates Sylomer® elastomer, highly effective for isolating both high and low frequencies

Sylomer® provides high isolation across a wide frequency range and is particularly effective at high frequencies, effectively eliminating the transmission of structure-borne noise.

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