1V-SR DB Spring Isolator

Spring isolator with double Sylomer® isolation, offering up to 1.2 in (30 mm) static deflection and a natural frequency as low as 4 Hz, without rigid mechanical anchoring.



The **AMC-MECANOCAUCHO® 1V-SR DB Spring Isolator** is designed for **low-frequency vibration isolation** of machinery and equipment where installation without rigid mechanical anchoring is required.

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

The **DB configuration incorporates Sylomer® on both the upper and lower surfaces of the Spring Isolator**. This double elastic decoupling prevents direct metal-to-metal contact with the equipment and supporting structure, while reducing the transmission of **mid and high frequencies that may propagate through the steel spring**.

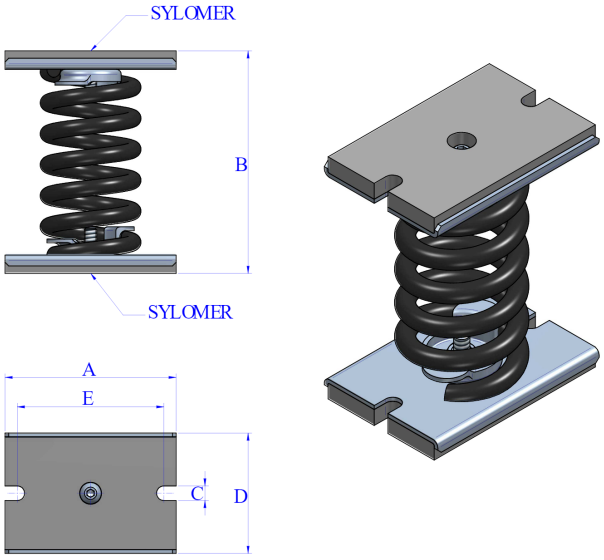
The combination of **spring + double Sylomer® isolation** therefore provides effective vibration isolation over a **broad frequency range**, while allowing straightforward installation by direct support.

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Drawings

V-SR-DB

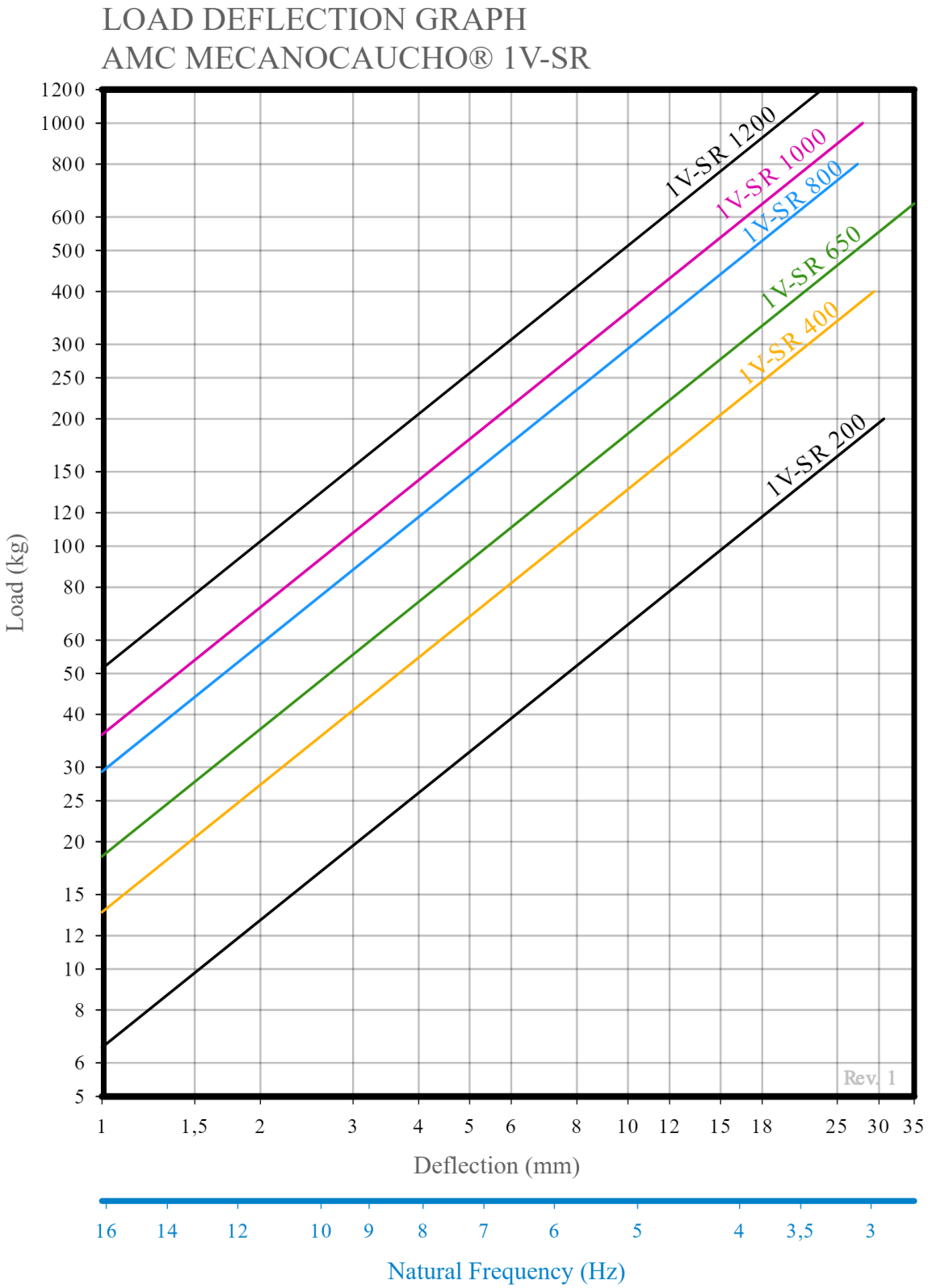


Type	Code	Spring color	Max. Load(lbs)	K(N/mm)	A(in)	B(in)	C(in)	D(in)	E(in)	Weight(lbs)
V-SR-DB	20557	BLACK	441	64	5.51	7.17	0.47	3.88	4.72	3
	20558	BLACK	882	134	5.51	7.17	0.47	3.88	4.72	4
	20403	BLACK	1433	181	5.51	7.17	0.47	3.88	4.72	5
	20458	BLACK	1763	267	5.51	7.17	0.47	3.88	4.72	6
	20662	BLACK	2204	351	5.51	7.17	0.47	3.88	4.72	7
	20559	BLACK	2645	503	5.51	7.17	0.47	3.88	4.72	7

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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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