

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.

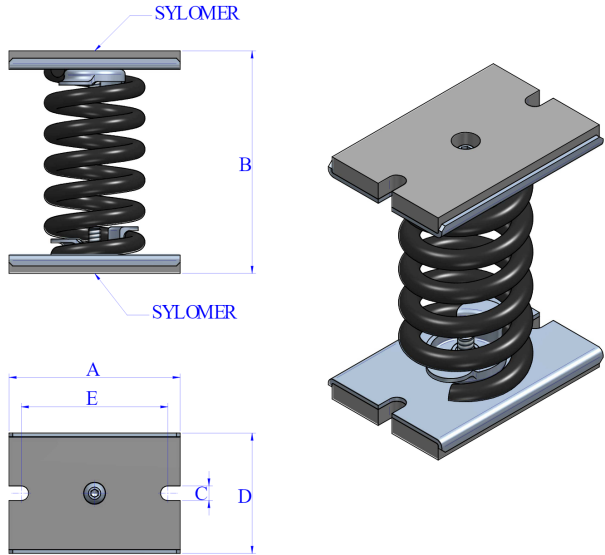
With a **static deflection of up to 1.2 in (30 mm)**, the spring provides a **natural frequency as low as 4 Hz**, ensuring effective low-frequency vibration isolation.

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.

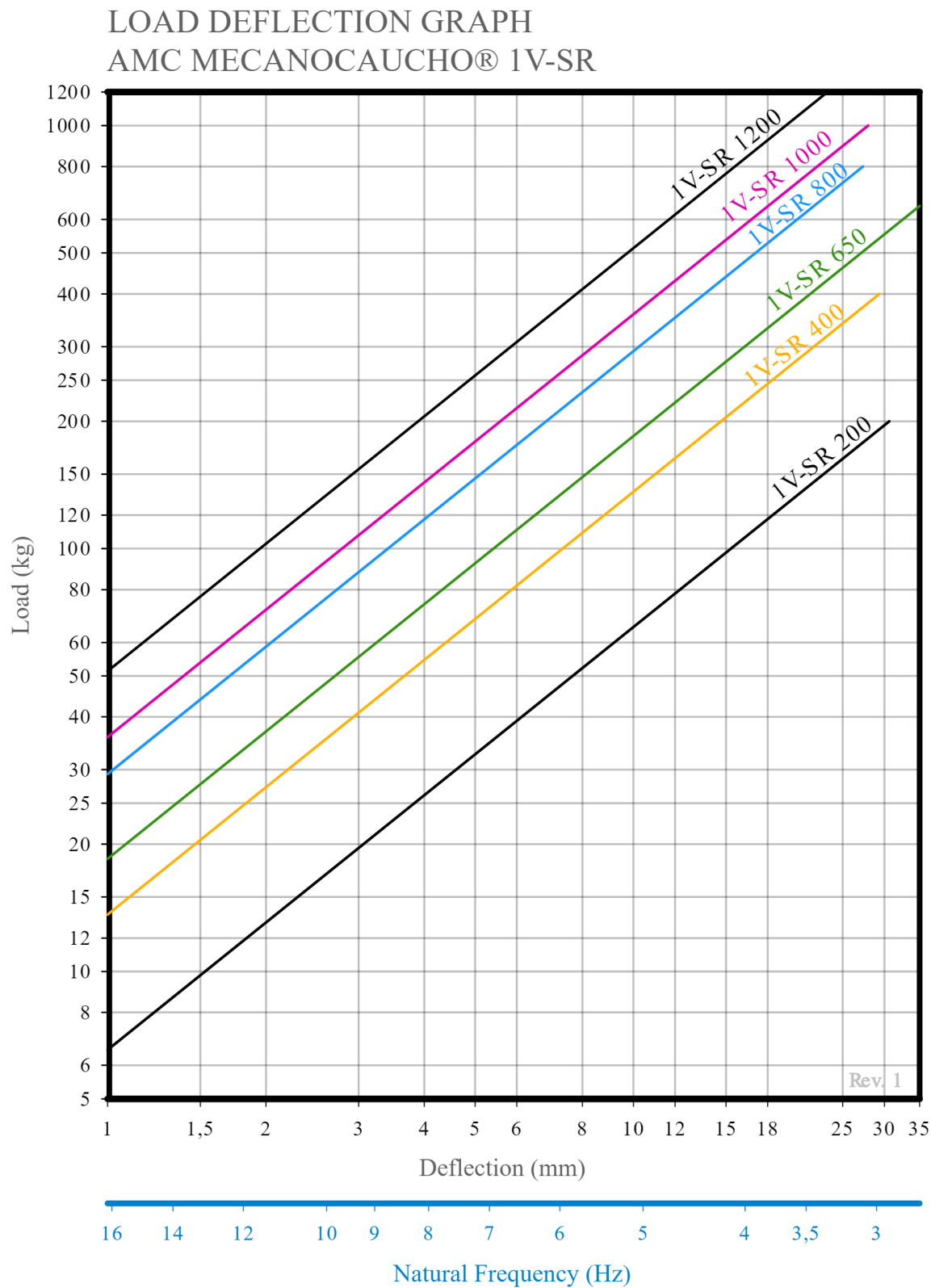
Drawings

V-SR-DB



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

Elastic properties



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 70°. Short term higher temperatures are possible.