ST +Sylomer®

Acoustic spring hanger with spring and Sylomer®. Superior vibration isolation at both low and high frequencies. Ideal for suspended building services, HVAC ducts and mechanical equipment.

The AMC-MECANOCAUCHO® ST+Sylomer® range has been developed for demanding building acoustics and stationary machinery applications where exceptional structure-borne noise isolation is required.

By combining a steel spring with a Sylomer® element, these acoustic hangers provide outstanding vibration isolation across a wide frequency range while maintaining excellent long-term stability. Depending on the model, natural frequencies as low as 3–4 Hz can be achieved, making them ideal for low-speed equipment operating between 600 and 1,000 rpm.

Typical applications include HVAC ducts, suspended mechanical services, piping systems, ceilings and other installations requiring high-performance vibration isolation.

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In order to adapt its products to the state of the art, Aplicaciones Mecánicas del Caucho, S.A. reserves the right to modify the conception and manufacture of the materials presented in this catalogue without prior notice.
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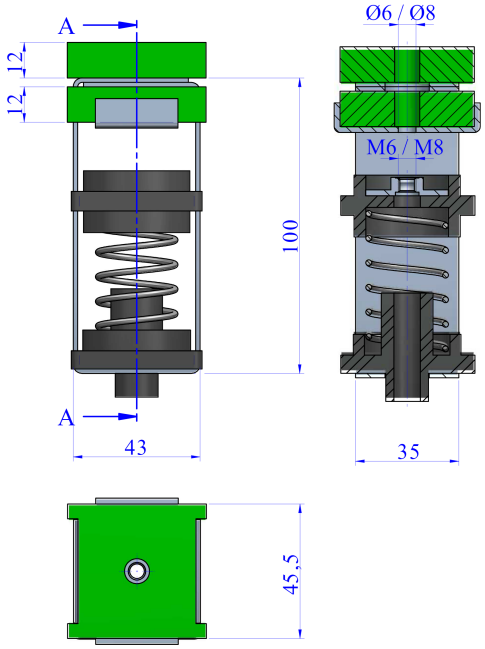
Drawings

ST + Sylomer ST-5 / ST + Sylomer ST-10 / ST + Sylomer ST-20 / ST + Sylomer ST-30 / ST + Sylomer ST-60



Type	Max. Permanent Load (kg)	Spring color	Code	M	Weight(kg)
ST + Sylomer ST-5	5	Silver	23425	M6	0.198
			23336	M8	0.198
ST + Sylomer ST-10	10	White	23398	M6	0.198
			23446	M8	0.198
ST + Sylomer ST-20	20	Yellow	23420	M6	0.198
			23447	M8	0.198
ST + Sylomer ST-30	30	Blue	23400	M6	0.198
			23338	M8	0.198
ST + Sylomer ST-60	60	Magenta	23397	M6	0.198
			23340	M8	0.198

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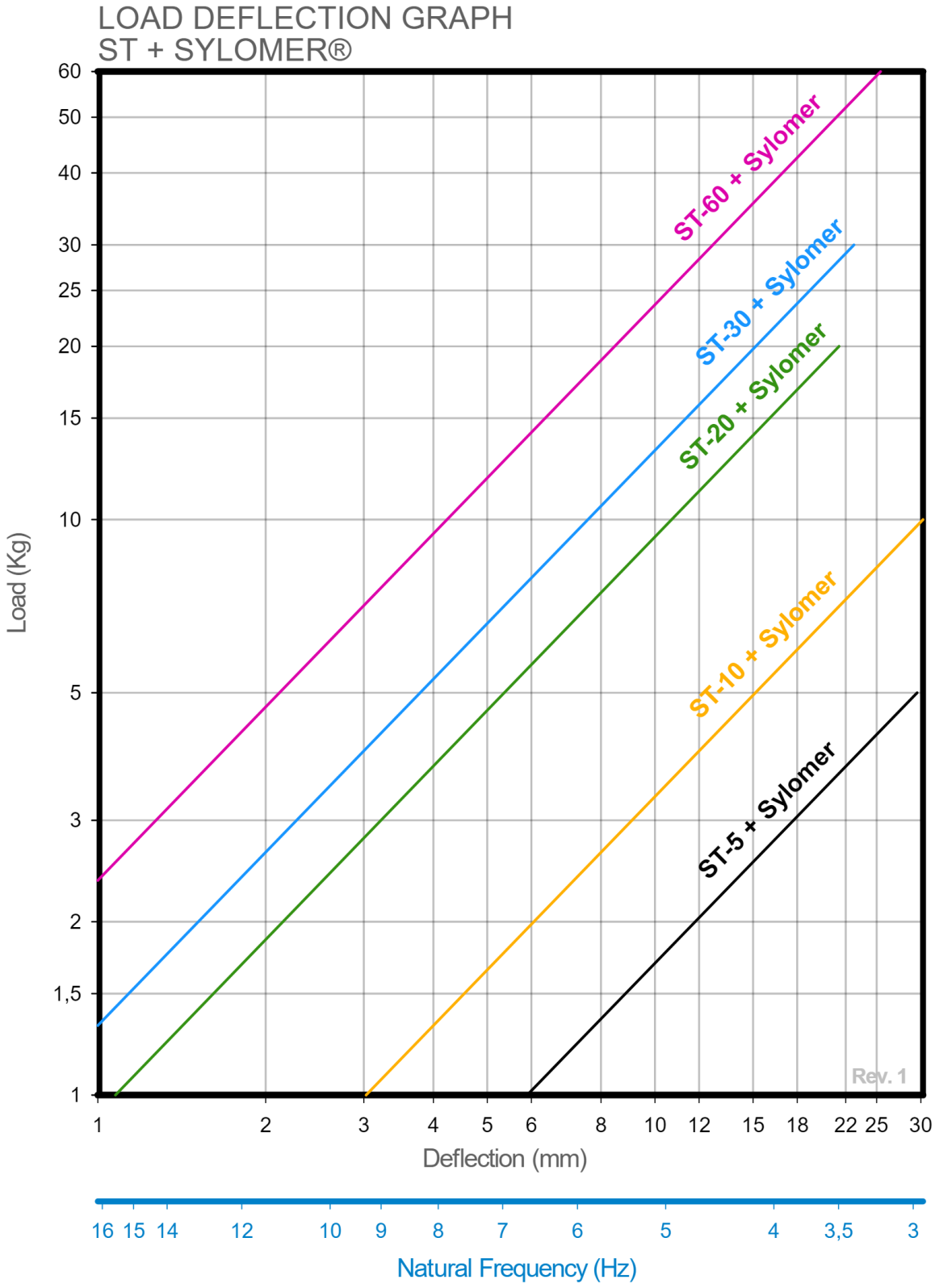
Elastic properties



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Technical characteristics

The design of these acoustic hangers is composed of:

- 1. Metal parts that are mechanically failsafe.
- 2. A rubber moulded part equipped with an end stroke buffer if ever the **acoustic hanger** is overloaded.
- 3. A prime degree steel coil spring to provide low natural frequency to the acoustic hanger.
- 4. A Sylomer® layer to isolate mid-high frequencies that could travel through the coil spring.

These mounts are equipped with different types of coil springs to suit different loading applications from 5 to 60 Kg per hanger.

Advantages

Improved isolation

It offers improved isolation compared with 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.

Easy Installation

This mount requires minimal structural modifications, making installation quick and straightforward.

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