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.

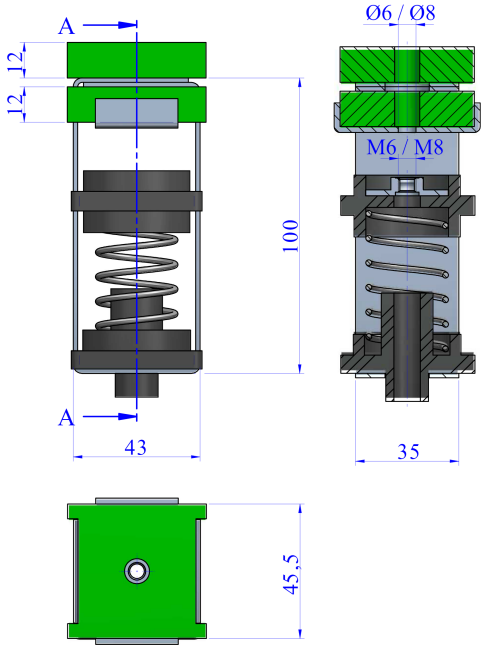
Typical applications include HVAC ducts, suspended mechanical services, piping systems, ceilings and other installations requiring high-performance vibration isolation.

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Drawings

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

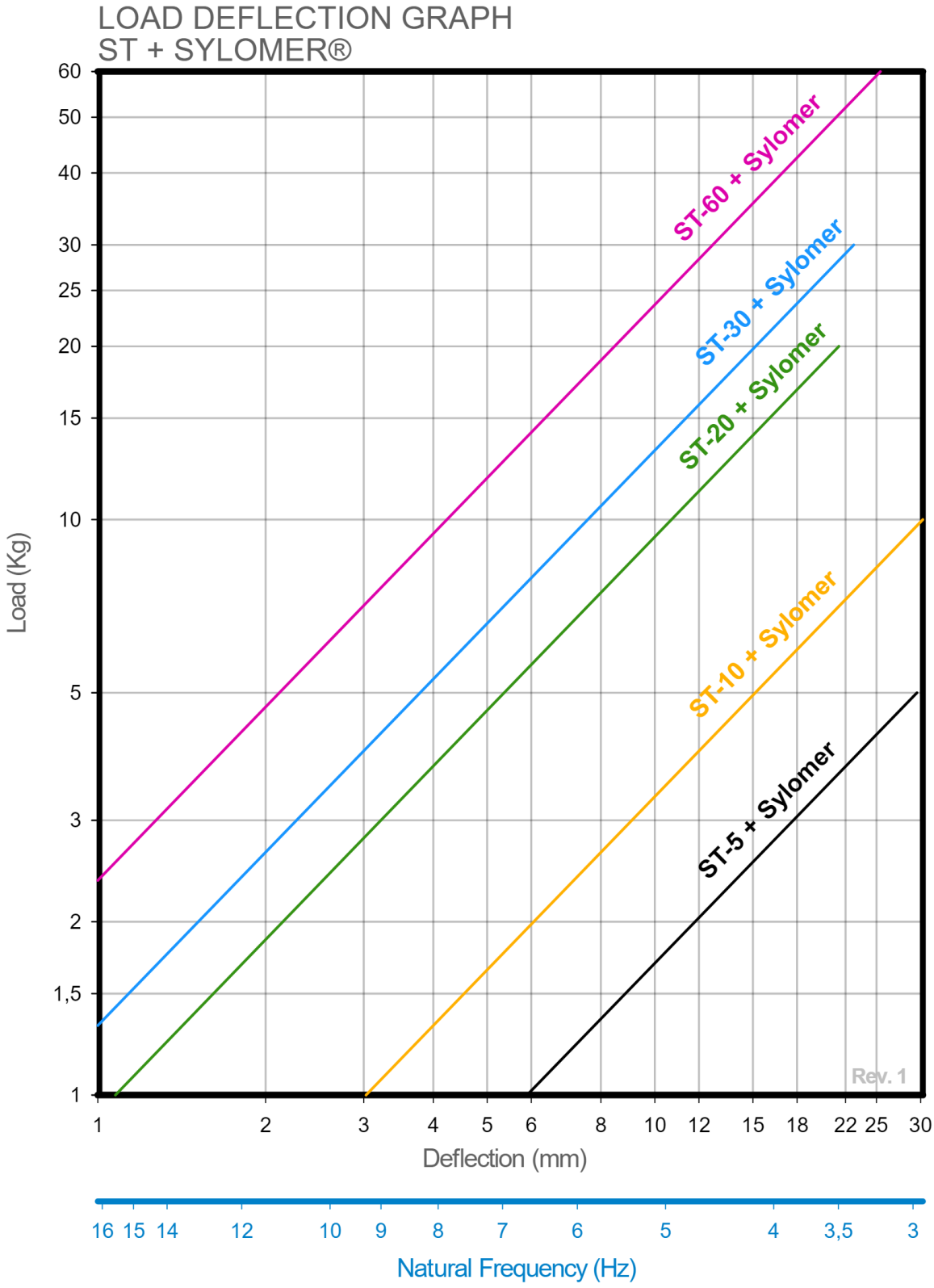


Type	Max. Permanent Load (kg)	Spring color	Code	M	Weight(kg)
ST + Sylomer ST-5	5	Silver	23425	M6	0.198
			23336	M8	0.198
ST + Sylomer ST-10	10	White	23398	M6	0.198
			23446	M8	0.198
ST + Sylomer ST-20	20	Yellow	23420	M6	0.198
			23447	M8	0.198
ST + Sylomer ST-30	30	Blue	23400	M6	0.198
			23338	M8	0.198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