

ST + SYLOMER®

Spring and Sylomer® acoustic hanger for high-performance vibration isolation across a broad frequency range. Ideal for ductwork and suspended mechanical systems.



The **ST + SYLOMER® acoustic hanger** is designed for high-performance vibration isolation in building services and stationary mechanical applications where effective reduction of **structure-borne noise** is required.

The system combines a **low-stiffness steel spring** with a **Sylomer® microcellular polyurethane element**, providing effective isolation across a broad frequency range. The spring provides excellent isolation at low frequencies, while the Sylomer® element helps attenuate higher-frequency vibration and structure-borne noise.

With natural frequencies typically in the **3-4 Hz range**, ST + SYLOMER® hangers are particularly suitable for equipment operating at relatively low speeds, including applications in the **600-1,000 rpm range**, where conventional rubber hangers may not provide sufficient isolation.



AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain

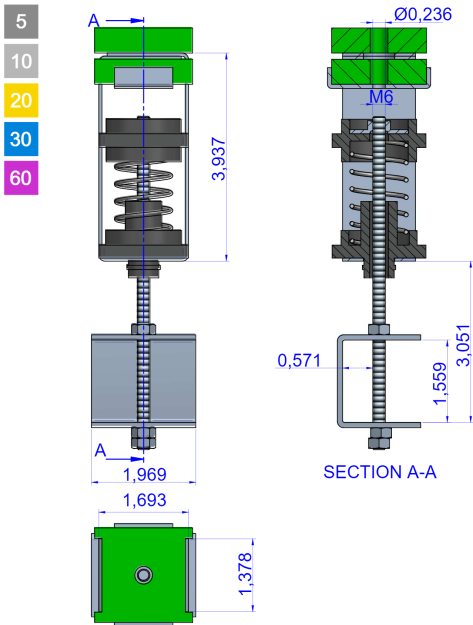
Tel.: +34 843 74 00 13

sales@amcsa.es

www.mecanocaucho.com

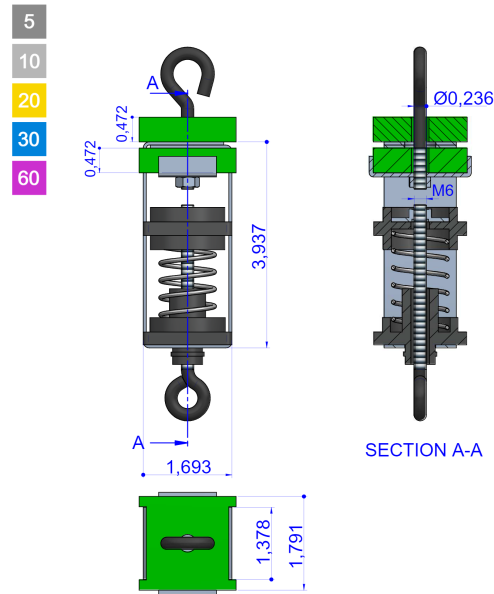
Drawings

ST + Sylomer® ST-5 Type C / ST + Sylomer® ST-10 Type C / ST + Sylomer® ST-20 Type C / ST + Sylomer® ST-30 Type C / ST + Sylomer® ST-60 Type C



Type	Max. Permanent Load (lbs)	Spring color	Code
ST + Sylomer® ST-5 Type C	11	Silver	25606
ST + Sylomer® ST-10 Type C	22	White	25607
ST + Sylomer® ST-20 Type C	44	Yellow	25608
ST + Sylomer® ST-30 Type C	66	Blue	25609
ST + Sylomer® ST-60 Type C	132	Magenta	25610

**ST + Sylomer® ST-5 Type D / ST + Sylomer® ST-10 Type D / ST + Sylomer® ST-20 Type D /
ST + Sylomer® ST-30 Type D / ST + Sylomer® ST-60 Type D**



Type	Max. Permanent Load (lbs)	Spring color	Code
ST + Sylomer® ST-5 Type D	11	Silver	23082
ST + Sylomer® ST-10 Type D	22	White	23083
ST + Sylomer® ST-20 Type D	44	Yellow	23084
ST + Sylomer® ST-30 Type D	66	Blue	23085
ST + Sylomer® ST-60 Type D	132	Magenta	23086

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.



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