SVT Vibration Isolators

Stainless steel wire mesh vibration isolators for vibration and shock isolation in high-temperature and severe environments.

The **SVT vibration isolators from AMC-MECANOCAUCHO®** use a resilient **stainless steel wire mesh element**, specifically designed to provide effective **vibration isolation in high-temperature applications** and in environments where conventional elastomers are not suitable.

Their design provides **similar stiffness in compression and tension**, making them particularly suitable for equipment subjected to **vertical vibration, shock and high dynamic loads**. The wire mesh also provides a **high level of damping**, helping to minimize vibration amplification when passing through resonance.

The robust metal housing withstands **tensile loads**, while the stainless steel wire mesh provides excellent resistance to **corrosion, high temperatures and severe environmental conditions**.

SVT vibration isolators are particularly suitable for **marine, rail, transportation and mobile equipment applications**, as well as **engines, pumps, auxiliary equipment and exhaust systems** exposed to high temperatures and severe dynamic loads.

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

Tel.: +34 843 74 00 13

sales@amcsa.es

www.mecanocaucho.com

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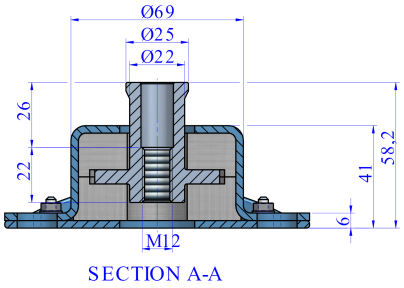
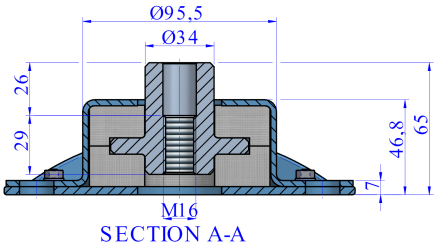
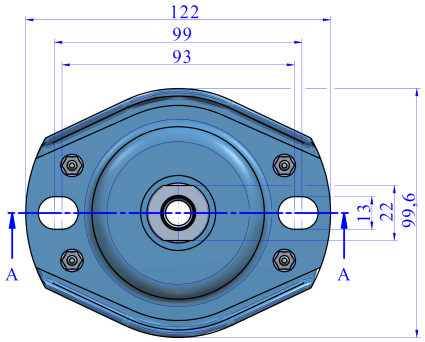
Document generated on 07/11/2026.

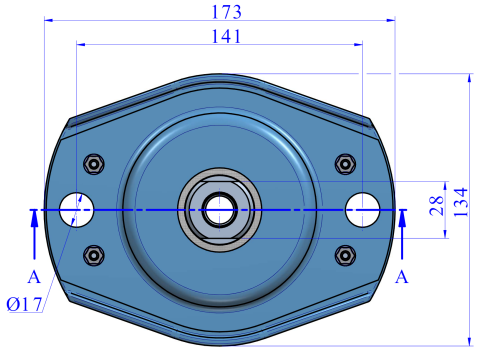
Drawings

SVT-70 / SVT-95









Type	Max. Load (lbs)	Weight(lbs)	Code
SVT-70	661	3	176650
SVT-95	3086	6	176670

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Technical characteristics

SVT mounts are anti vibration mounts that use a pre-stressed stainless steel mesh as elastic element.
They are ideal for applications in which high temperatures are present. Its specific design allows very similar tensile and compression stiffness rates. This feature is particularly useful on those applications where vibration in the vertical sense is predominant. The metal parts are robust and incorporate a fail-safe device in order toresist tensile loads.

The steel housing has been designed to withstand to great dynamic shocks while the stainless steelmesh fits tight to avoid relative displacements.
The stainless steelwire mesh and the PU coated carbon steel housing provide a higher resistance to corrosive environments.
Moreover, the damping properties of the stainless steelwire mesh allows low amplification on resonance, allowing stable suspended elements.

Advantages

Easy installation

This mount requires no major modifications to the structure for installation.

Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

Superior corrosion protection

The metal parts of this anti-vibration mount are made of stainless steel to prevent corrosion in the most demanding environments.

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