FZM Wire Mesh Mounts

Stainless steel wire mesh anti-vibration mounts for high-temperature applications, providing similar stiffness in compression and tension.

The **AMC-MECANOCAUCHO® FZM wire mesh mounts** use a **stainless steel wire mesh elastic element**, specifically designed for environments where conventional elastomers are not suitable. They can operate at **temperatures up to 300 °C** and provide excellent resistance to severe environmental conditions.

Their design provides **similar stiffness characteristics in compression and tension**, resulting in relatively symmetrical behaviour when the equipment is subjected to alternating vertical movements. This characteristic is particularly beneficial for **mobile and on-board applications** exposed simultaneously to vibration, shock and acceleration.

The wire mesh also provides **mechanical damping through internal friction**, dissipating part of the vibrational energy and controlling equipment oscillations. The design incorporates an **integrated mechanical fail-safe feature** capable of withstanding tensile loads and ensuring equipment retention.

FZM mounts are particularly suitable for **on-board equipment, mobile machinery and industrial installations** exposed to high temperatures or severe operating conditions.

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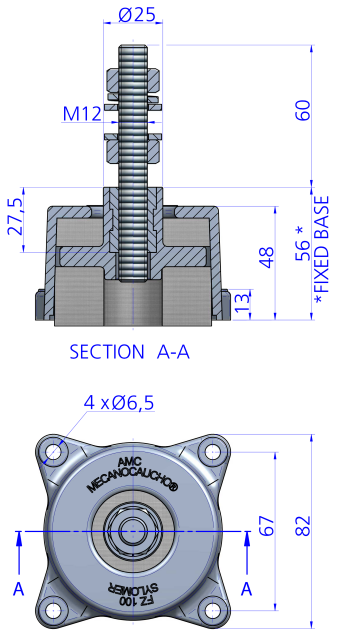
Drawings

FZM 100-015 + KIT M12 / FZM 100-023 + KIT M12 / FZM 100-028 + KIT M12



Type	Max. Load(kg)	Weight(gr)	Code
FZM 100-015 + KIT M12	120	842	176622
FZM 100-023 + KIT M12	180	842	176628
FZM 100-028 + KIT M12	250	842	176634

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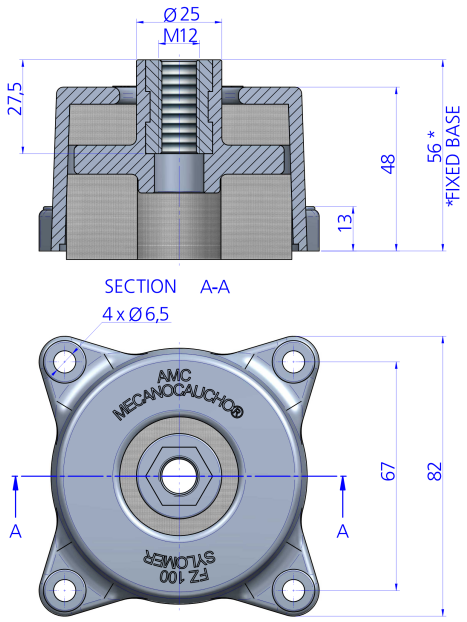
FZM 100-015 / FZM 100-023 / FZM 100-028



Type	Max. Load(kg)	Weight(gr)	Code
FZM 100-015	120	761	176621
FZM 100-023	180	761	176627
FZM 100-028	250	761	176633

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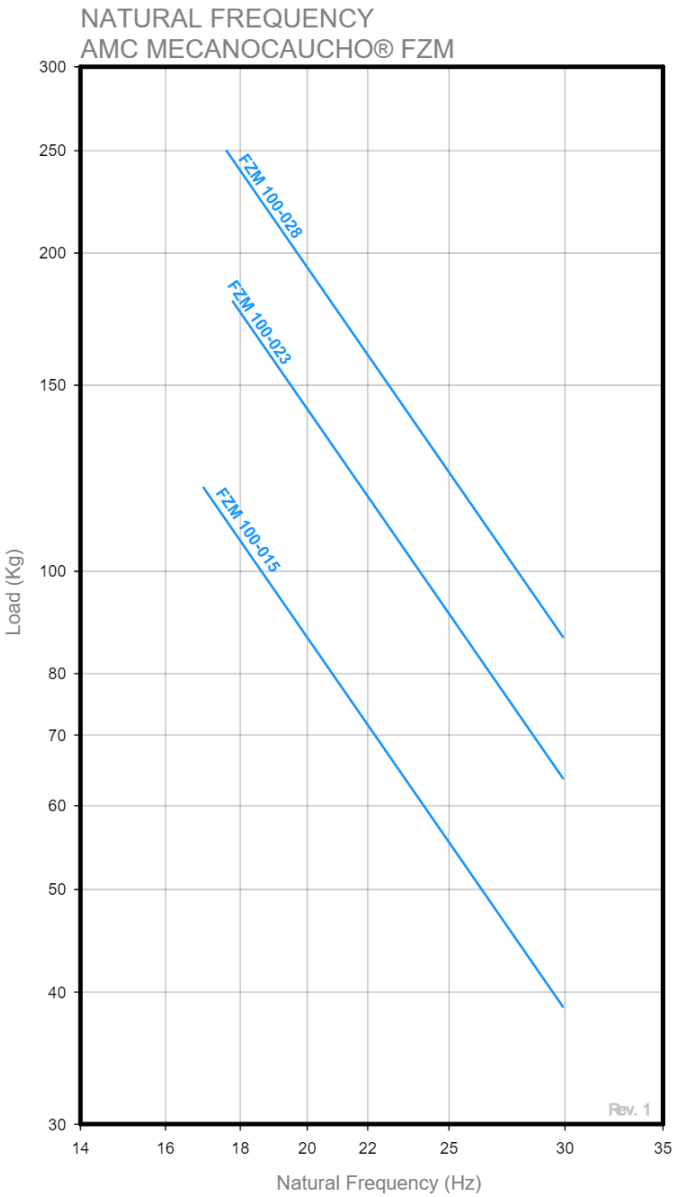
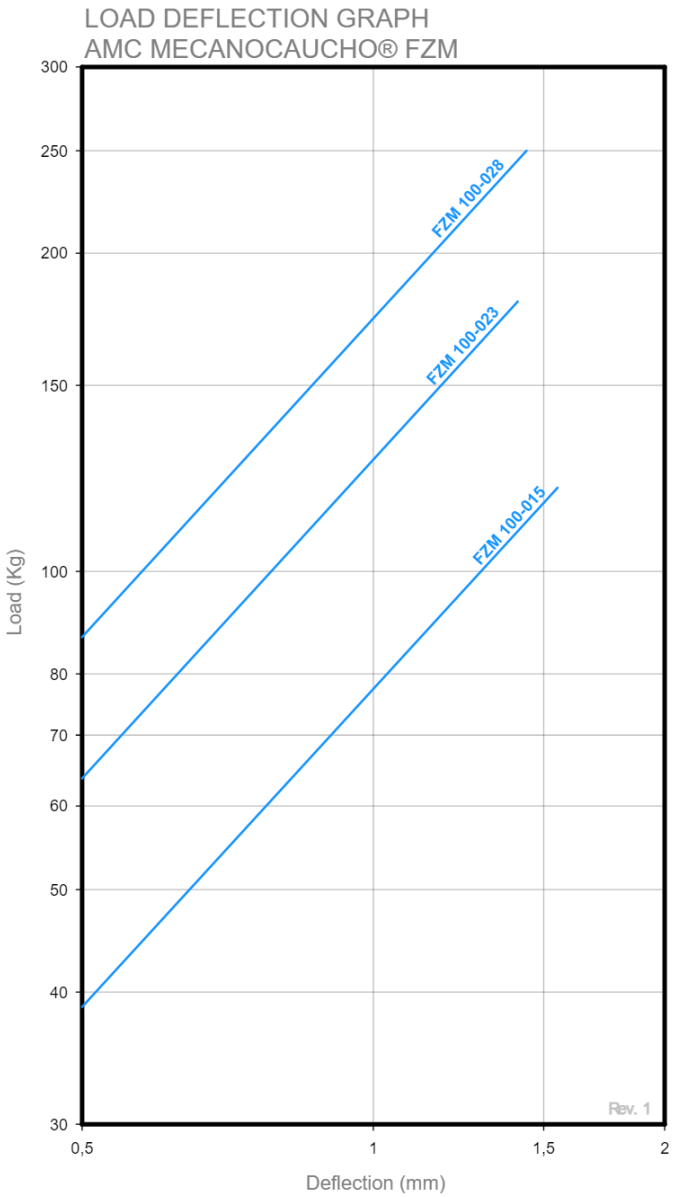
Elastic properties





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Technical characteristics

The cast aluminum bell has been designed to withstand to great dynamic shocks while the stainless steel wire fits tight to avoid relative displacements.

The stainless steel wire mesh and the aluminum top cap provide a higher resistance to marine corrosive environments, improving the performance of traditional marine antivibration mounts. The failsafe device limits the vertical ascendant movement. The damping properties of the stainless steel wire mesh allows low amplification to resonance allowing stable suspended elements.

Advantages

Easy Installation

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

Superior corrosion protection

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

Mount offering high stability

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

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