XD Marine Mounts

High-elasticity marine anti-vibration mounts for effective low-frequency isolation, with movement restraint and enhanced protection for demanding environments.



The **AMC-MECANOCAUCHO® XD marine anti-vibration mounts** are designed for mobile applications requiring a **high level of vibration isolation**, including at **low frequencies**.

Their design provides **low vertical and radial stiffness**, resulting in a low natural frequency and effective isolation of vibrations generated by engines and onboard equipment. This characteristic is particularly beneficial when equipment operates at **low speeds** or generates **low-frequency vibration**.

Their robust design incorporates an **integrated movement restraint system** to control excessive displacement and withstand tensile loads under severe operating conditions. This mechanical safety feature makes XD mounts particularly suitable for **mobile applications subjected to movement, shock and acceleration**.

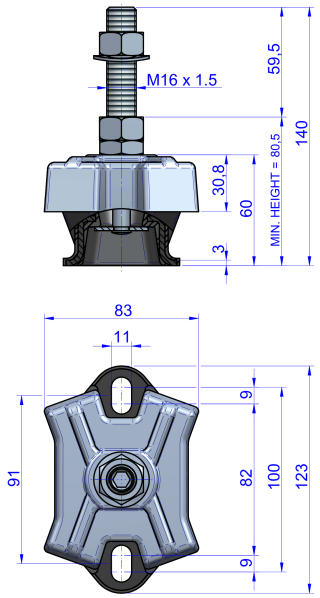
The metal components and elastomer are designed to provide good resistance to **corrosion, oils and demanding environmental conditions**, ensuring reliable operation in **marine and onboard applications**.

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Drawings

MARINE MOUNT Type XD

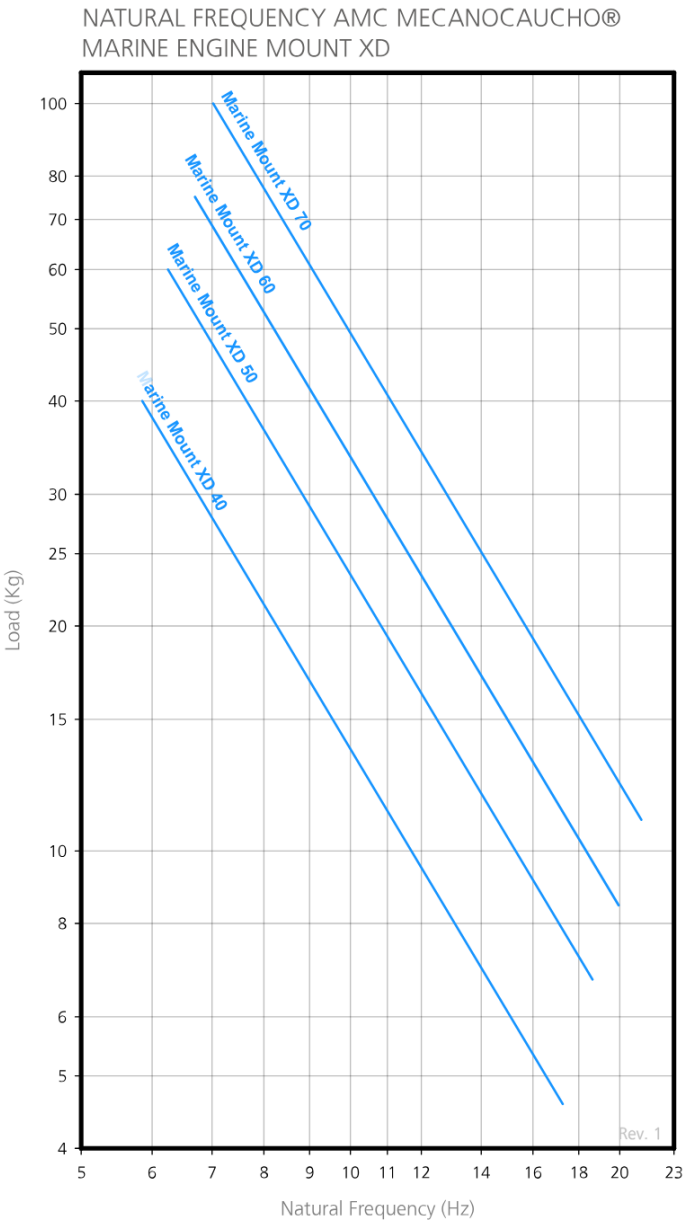


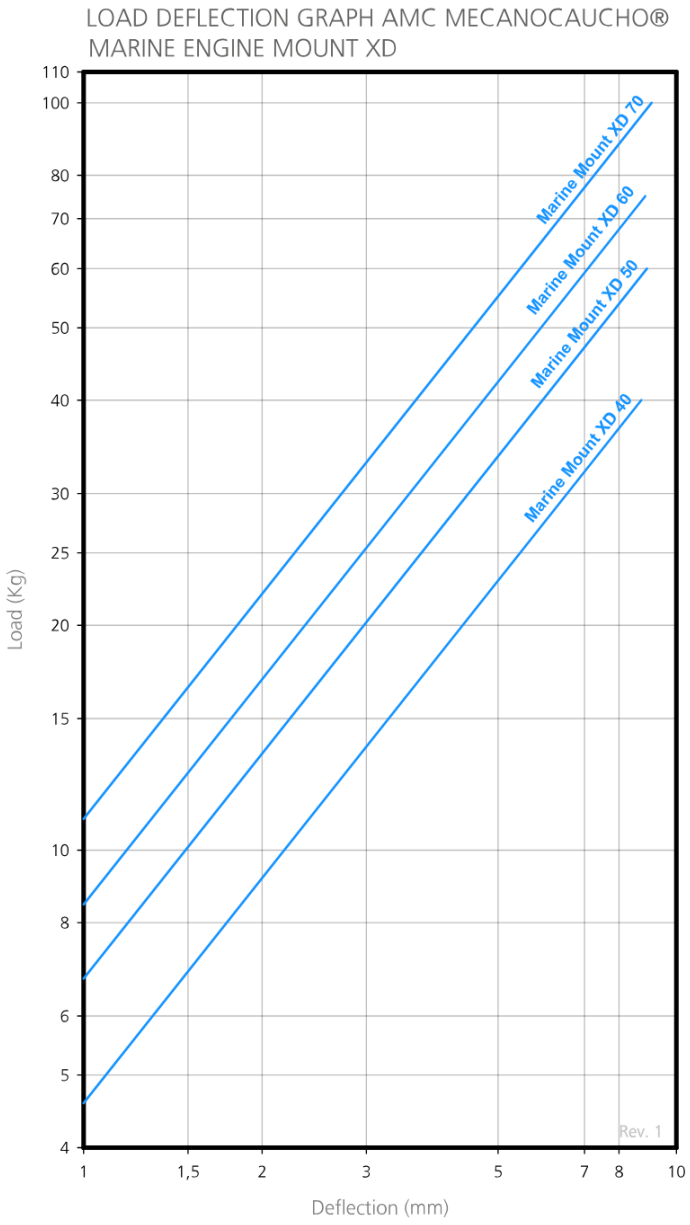
Type	Weight(gr)	Code	Max.Load (kg)	Shore
MARINE MOUNT Type XD	655	136151	40	40 Sh
		136152	60	50 Sh
		136153	75	60 Sh
		136154	100	70 Sh

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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 rubber compound is guided in order to avoid relative displacements.

• The rubberized baseplate and the aluminum top cap provide a higher resistance to marine corrosive environments, improving the performance of traditional marine antivibration mounts.

• The mounts have a clear identification of rubber hardness on the baseplate.

• The rubber compound is protected against oil contamination, O3 and UV rays.

• The failsafe device avoids rubber working at traction and limits the vertical ascendant movement.

• The different stiffness rates per axis, allow low roll natural frequencies of the system. This feature provides a higher vibration isolation degree on engines. The fact of having a lower vertical stiffness perfectly suits 3 cylinder engines working at low idle speeds.

• The higher longitudinal stiffness allows the mount to withstand thrust forces. This feature provides stability and reduces longitudinal movements of the engine. For marine application installations, please contact the technical department of AMC-MECANOCAUCHO®.

• Maximum leveling: 3 mm. For further leveling, we recommend to use **shims**.

Advantages

Easy Installation

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

Improved isolation

It offers improved isolation compared with conventional anti-vibration mounts of similar geometry.

High protection against weathering and chemical contamination

The bell housing protects the rubber from ozone and UV radiation, while also preventing contact with diesel, oils or other chemicals that could damage it.

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