V-Shaped Marine Engine Mounts

High-elasticity, low-natural-frequency marine anti-vibration mounts, particularly suitable for 1 to 4-cylinder sailing yacht diesel engines.



The **AMC-MECANOCAUCHO® V-Shaped Marine Engine Mounts** are specifically designed for the vibration isolation of **marine diesel engines**, particularly **1, 2, 3 and 4-cylinder engines commonly used in sailing yachts**.

Their V-shaped geometry allows the elastomer to work in **compression and shear**, providing **high elasticity and a low natural frequency**. This design is particularly effective at improving vibration isolation **at low engine speeds and at idle**, where diesel engines with a low number of cylinders can generate significant vibration levels.

Different stiffness characteristics in the three axes help control engine movement while providing greater flexibility in the directions where vibration isolation is most required. This provides an excellent balance between **vibration isolation, engine stability and control of propeller thrust loads**.

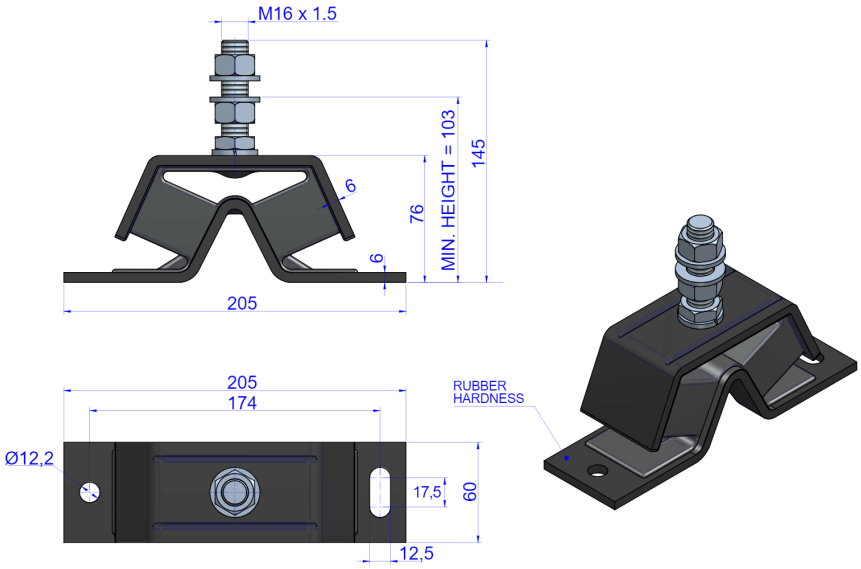
Their robust construction and **corrosion protection** ensure long-term performance in demanding marine environments. The upper stud and two base fixing points also facilitate engine installation and alignment.

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Drawings

V-shaped marine



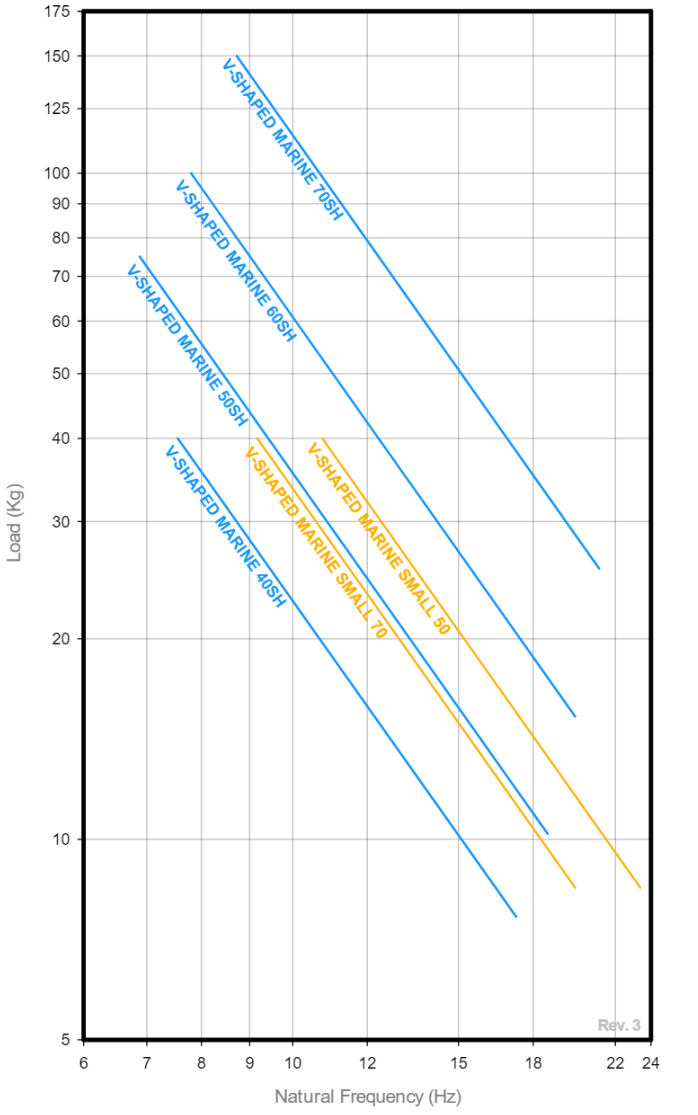
Type	Weight(gr)	Code	Descrip.	Max. Load(kg)	Shore
V-shaped marine	1720	148001	75	40	40 Sh
		148003	100	75	50 Sh
		148004	150	100	60 Sh
		148006	200	150	70 Sh

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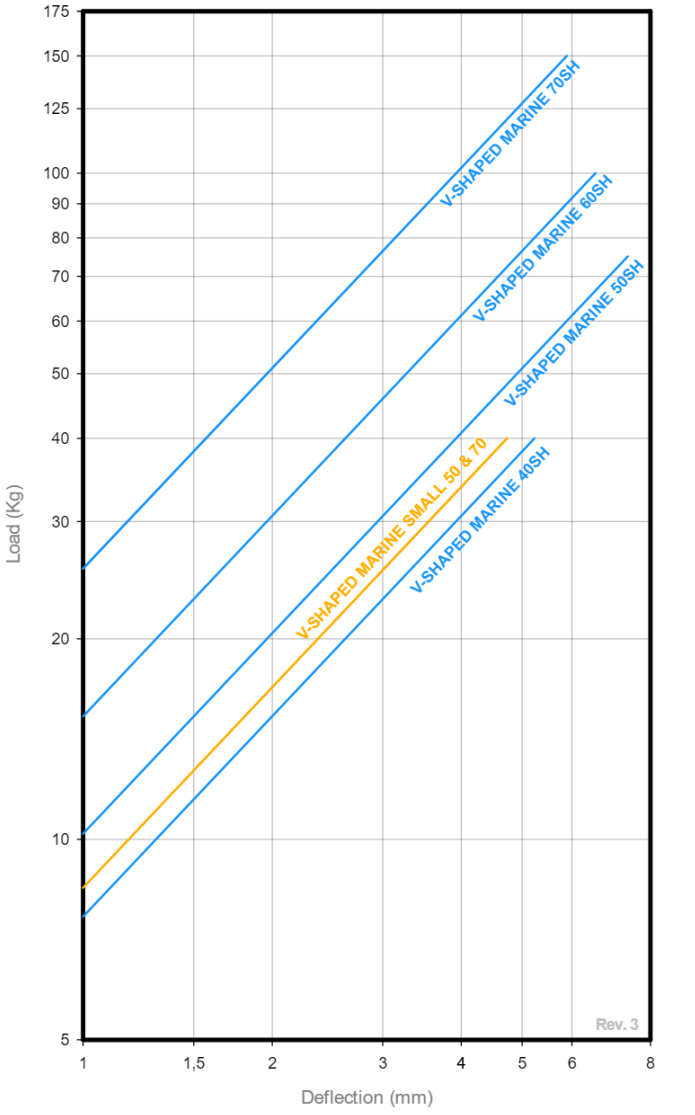
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Elastic properties

NATURAL FREQUENCY
AMC MECANOCAUCHO® V-SHAPED MARINE MOUNT



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® V-SHAPED MARINE MOUNT



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Technical characteristics

The AMC-Mecanocaucho® V-Marine Engine Mount shape design provides high deflections for relatively low loads. This means that the natural frequency is low and ideal for engines which frequently work at idle speed. It has different stiffness rates in the Vertical , Horizontal and Lateral axes which permits adjustments to the system modes for optimal isolation and stability.

Maximum leveling: 3 mm.

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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