Marine XT Mounts

Marine anti-vibration mounts with differentiated stiffness in each axis, designed for engines generating high propeller thrust loads.



The **AMC-MECANOCAUCHO® Marine XT anti-vibration mounts** are specifically designed for the elastic suspension of **marine engines generating high thrust loads**, whilst providing a high level of vibration isolation.

Their design allows the elastomer to work in **compression and shear**, providing **differentiated stiffness in all three axes**. A **high longitudinal stiffness** helps limit engine movement caused by propeller thrust, whilst lower stiffness in the other directions promotes effective isolation of engine-generated vibrations.

This combination provides an excellent balance between **vibration isolation, engine stability and movement control**, particularly in installations where the forces transmitted through the propulsion system are significant.

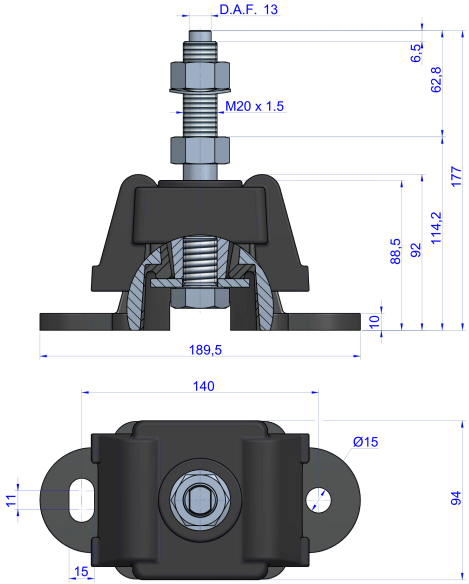
Their robust construction and resistance to **oil, diesel fuel and demanding marine environmental conditions** make Marine XT mounts particularly suitable for **propulsion engines and other onboard equipment subjected to high dynamic loads**.

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Drawings

MARINE MOUNT Type XT

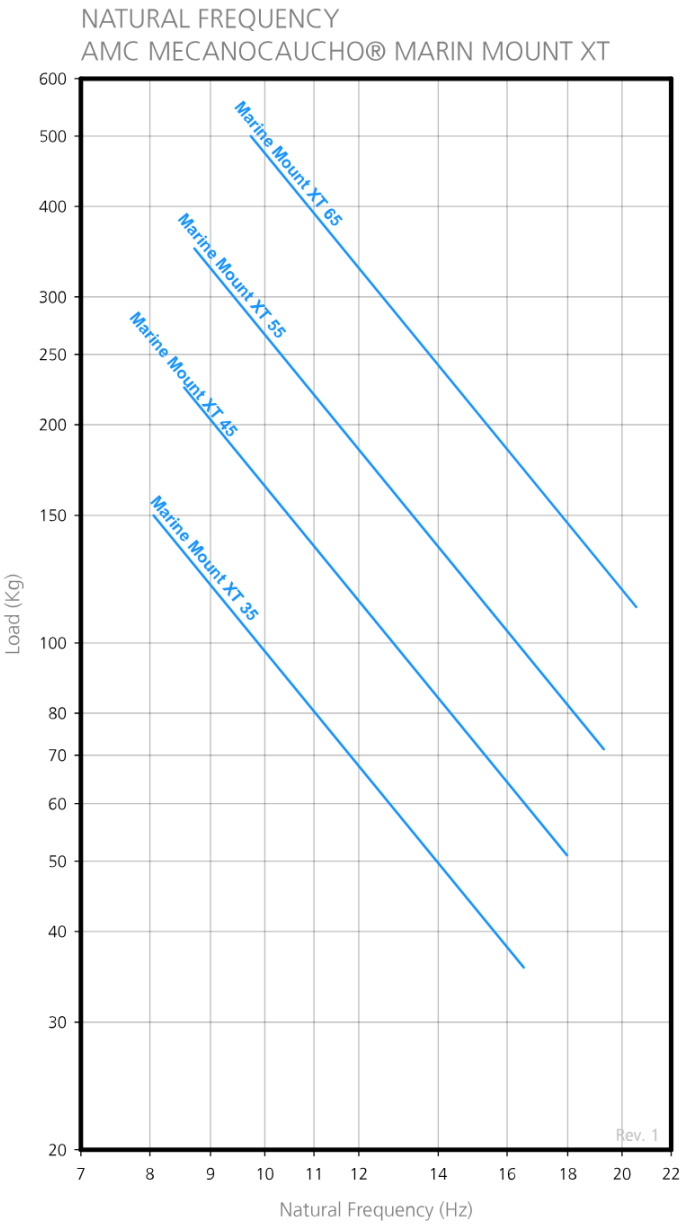


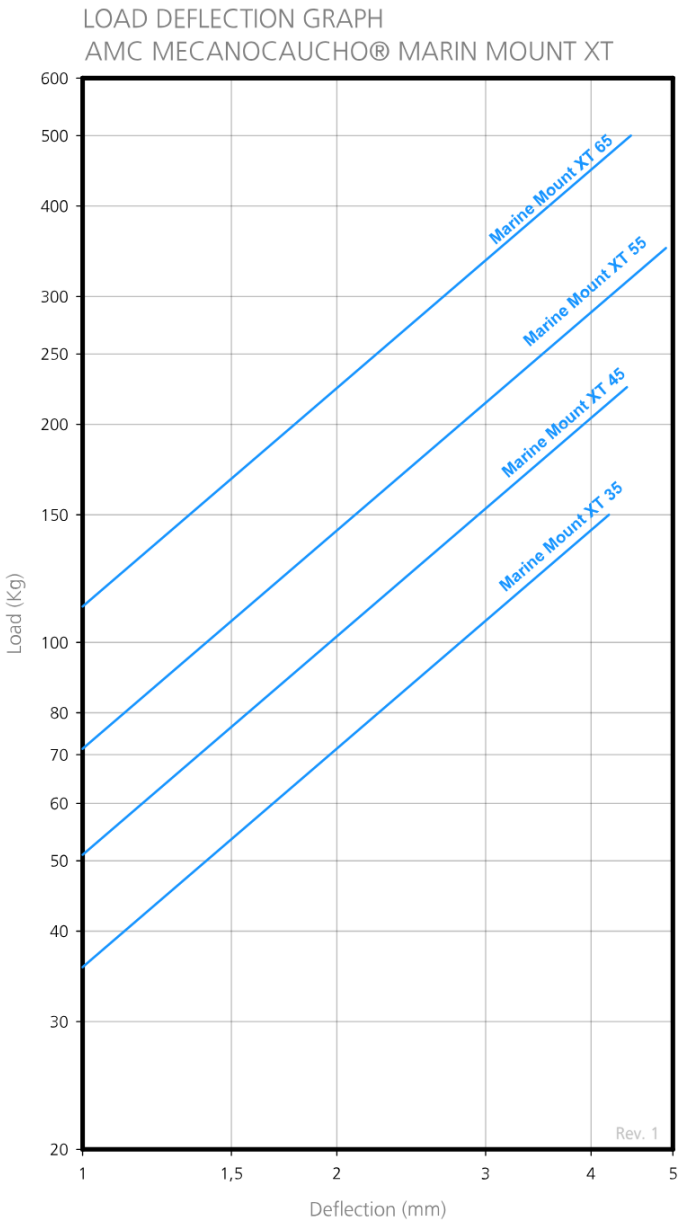
Type	Weight(gr)	Code	Max.Load (kg)	Shore
MARINE MOUNT Type XT	4659	136330	150	35 Sh
		136331	225	45 Sh
		136332	350	55 Sh
		136333	500	65 Sh

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Elastic properties





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Technical characteristics

AMC-MECANOCAUCHO® Marine XT anti vibration mounts have a special design that provides 3 different stiffness values in the 3 different directions, the highest being the one in the longitudinal direction. This design allows the mounts to face high longitudinal loads (thrust loads produced by marine engines) while their low lateral and vertical stiffness values allow them to keep a high isolation level against the main excitations from the crankshaft of the engine (which occurs at the plane with the lowest stiffness values of the mount).

- The top metal hood protects the rubber from the Ozone, UV rays, diesel or oils which could damage the rubber.
- The metal parts have a suitable anticorrosive treatment for outdoor applications. RoHs compliant.
- They have an interlocking metal component that provides a fail-safe protection for mobile applications. This device limits vertical movement when the mounting is submitted to shock inputs.
- The mounts are clearly identified, the baseplates are engraved with the type and hardness making it possible to easily recognize the part even after several years of use.
- Maximum leveling: 3 mm. For further leveling, we recommend to use **shims**.

Advantages

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.

Easy Installation

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

High robustness in dynamic applications for improved durability

These mounts offer enhanced robustness and are designed to withstand extreme load peaks. They are especially recommended where good durability is required in demanding applications.

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