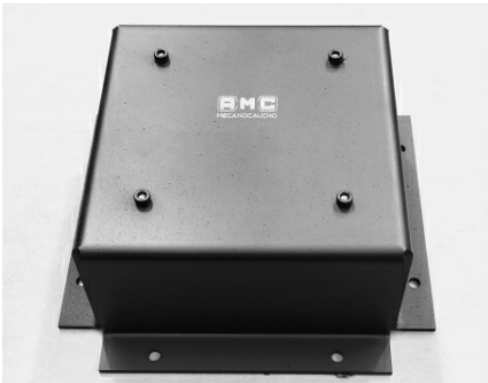


AMORTIGUADOR DE MASA DE BANDA ANCHA BTMD



This product is a novel broadband passive mass damper, used to reduce disturbing vibrations in a broad frequency band in all three directions.

It works without input energy or control, making it a low cost solution.

This proven technology reduces the vibration level at resonance by 50 to 90%, it is used in applications from 0,1kg to 100ton and frequencies from 4 to 1000Hz.

Compared with conventional Tuned Mass Dampers that reduce the vibration level only at specific frequency, AMC-MECANOCAUCHO® broadband tuned mass dampers reduce it at a broad band.

It allows the optimization of the application, as natural frequencies are not limitations of design, enabling lighter structures and money saving.

It is suitable to be installed both in new constructions as well as for retrofits.

Due to its robust construction, it is suitable for harsh environments, like arctic or marine applications.

CARACTERÍSTICAS TÉCNICAS

AMC-MECANOCAUCHO® broadband tuned mass damper is based on a high dampened non-linear mount assembled to a moving mass, which has the target of reducing the amplitude of vibrations in the structure.

The nonlinearity of the mount enable the tuned mass damper to resonate out-of-phase with the structure in a broad frequency band, while the resulting vibration energy is dissipated to the environment as heat.

Its capacity to work in broad frequency band means that small changes in the behavior of the structure or the device will not lead to big

APLICACIONES

- Wind turbines
- Engines
- Circuit boards
- Generators
- Ships
- Land vehicles
- Machines in general



changes in the behavior of the whole system, as it would happen with a conventional tuned mass damper.



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



Tel.: +34 943 69 61 02
Fax: +34 943 69 62 19



sales@amcsa.es



www.mecanocaucho.com
www.akustik.com

AMORTIGUADOR DE MASA DE BANDA ANCHA BTMD

VENTAJAS



MECANOCAUCHO

- Passive solution
- Simple and proven concept
- Broad frequency band
- Works in three directions
- Resistant to harsh environments
- Custom made
- Allows lighter structures
- Maintenance free



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Industrialdea Zona A - Pab. 35.
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Spain



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