Conical Vibration Isolators with Mounting Base

Conical vibration isolators with an integrated mounting base, designed for easy installation while providing effective vibration isolation and high robustness.



The **AMC-MECANOCAUCHO® Conical Vibration Isolators with Mounting Base** are rubber-to-metal isolators in which the elastomer works in **compression and shear**, combining effective vibration isolation, stability, and movement control.

Their design combines a **robust external metal casing** with a concentric internal conical element. This geometry provides **different stiffness characteristics along the different axes** and stable performance under static and dynamic loads.

The **integrated mounting base**, provided with mounting holes, allows the isolator to be installed directly onto the chassis, providing a simple and reliable attachment of the equipment.

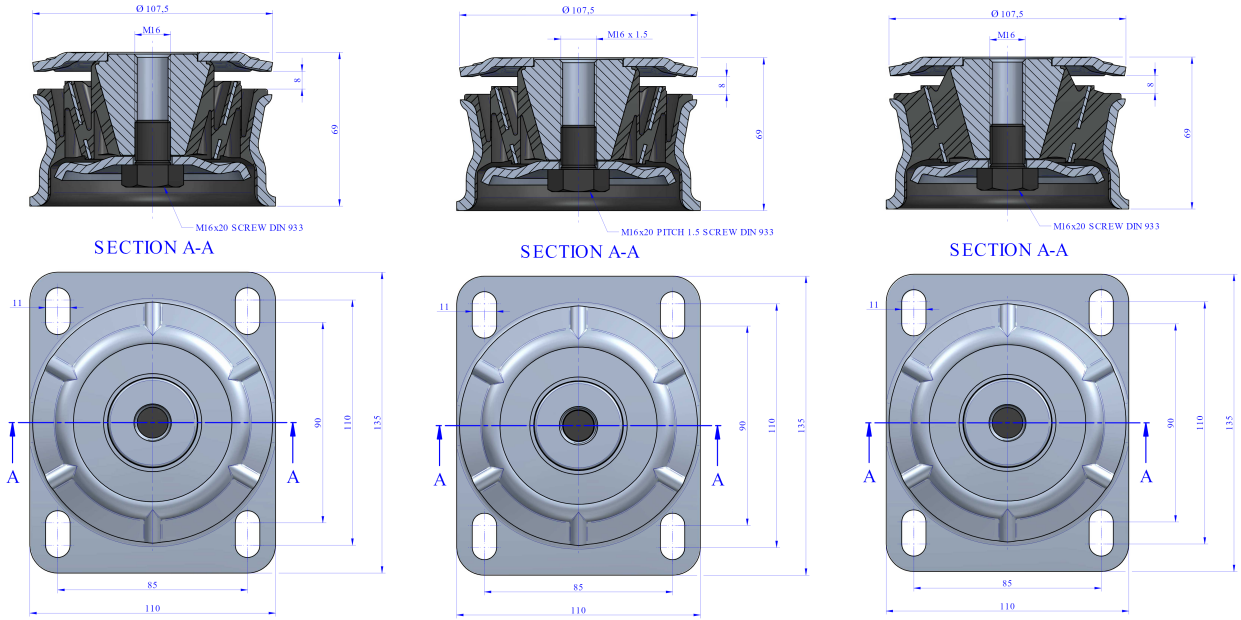
Thanks to their robust design, these vibration isolators are particularly suitable for **engines, generator sets, auxiliary machinery, industrial vehicles, and mobile machinery** subjected to vibrations, shocks, and demanding dynamic loads.

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Drawings

Cone 50 M16x2 / Cone 50 M16x1,5 / Cone 51 M16x2

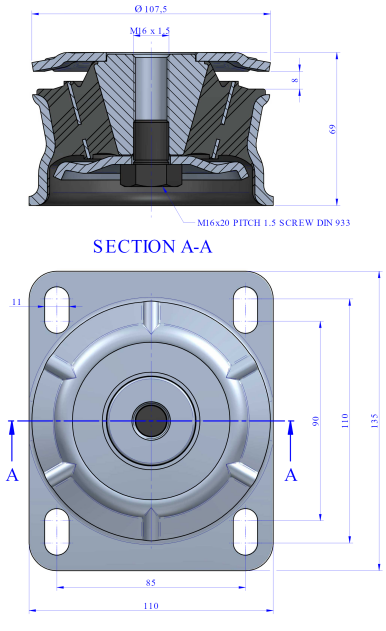


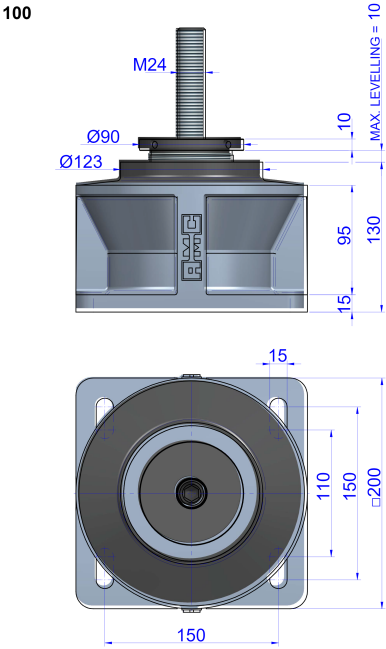
Type	Tightening torque Max. (Nm)	Weight(lbs)	Code	Max. Load(lbs)	Shore
Cone 50 M16x2	6.69	4	137085	264	40 Sh
			137086	375	50 Sh
			137087	551	60 Sh
			137088	661	70 Sh
Cone 50 M16x1,5	6.69	4	137231	264	40 Sh
			137233	375	50 Sh
			137235	551	60 Sh
			137237	661	70 Sh
Cone 51 M16x2	6.69	4	137095	331	40 Sh
			137096	485	50 Sh
			137097	705	60 Sh
			137098	926	70 Sh

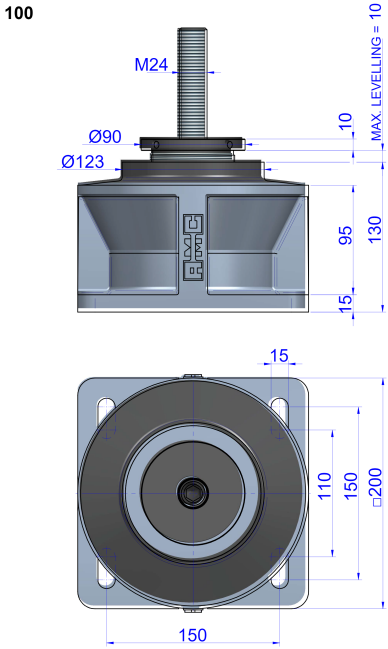
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Cone 51 M16x1,5 / Cone 100 A / Cone 100 B

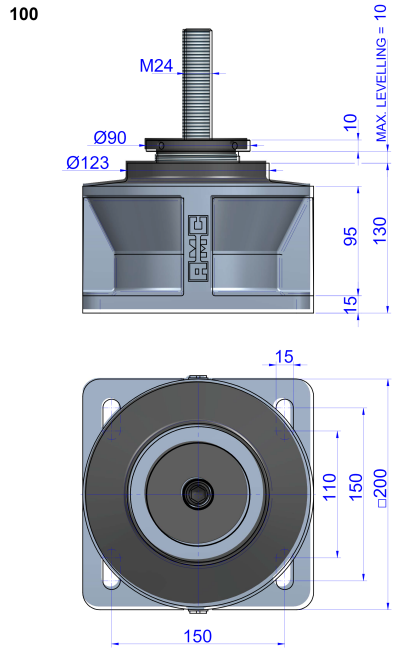


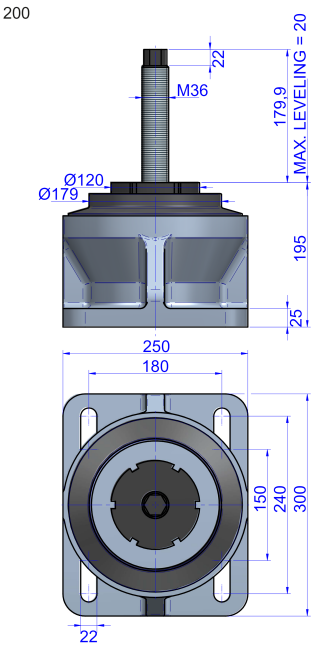


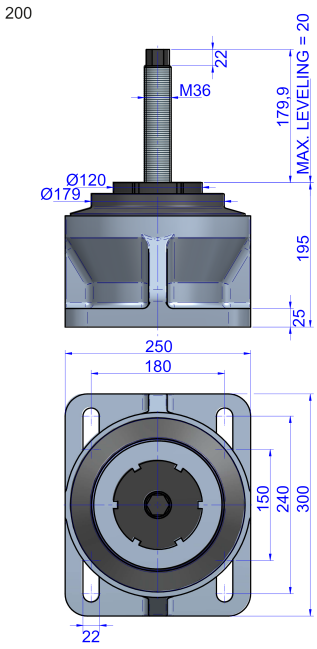


Type	Tightening torque Max. (Nm)	Weight(lbs)	Code	Max. Load(lbs)	Shore
Cone 51 M16x1,5	6.69	4	137241	331	40 Sh
			137243	485	50 Sh
			137245	705	60 Sh
			137247	926	70 Sh
Cone 100 A	23.62	21	137213	8265	-
Cone 100 B	23.62	21	137214	5069	-

Cone 100 C / Cone 200 A / Cone 200 B







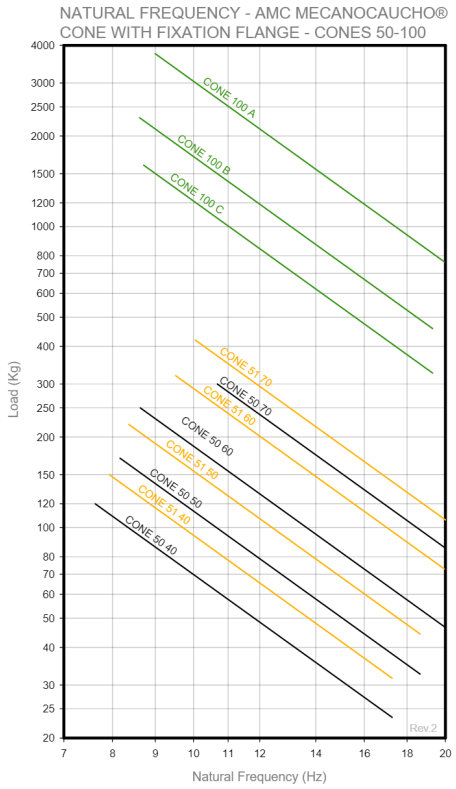
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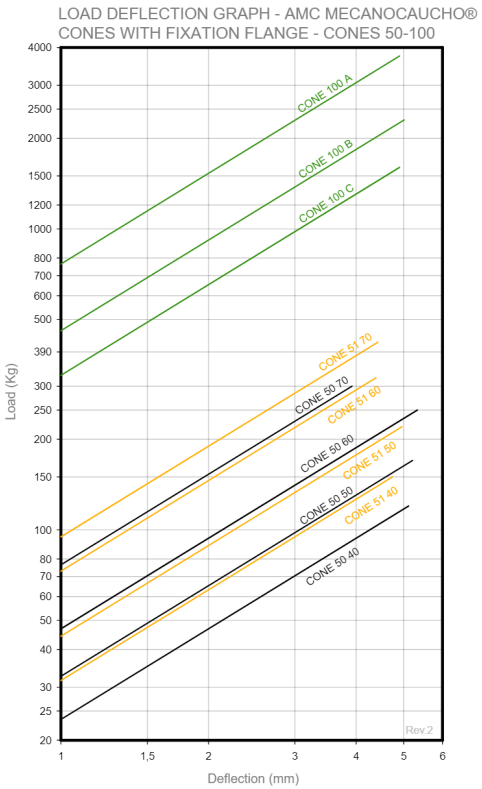
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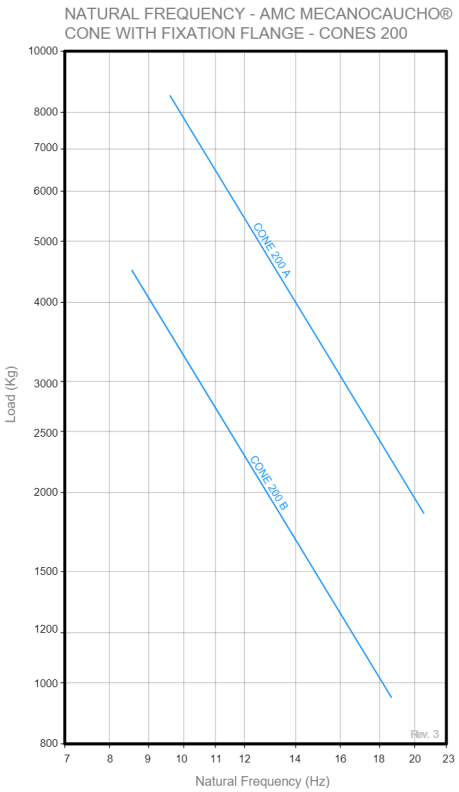
Type	Tightening torque Max. (Nm)	Weight(lbs)	Code	Max. Load(lbs)	Shore
Cone 100 C	23.62	21	137215	3526	-
Cone 200 A	82.68	63	137438	18734	-
Cone 200 B	82.68	63	137437	9918	-

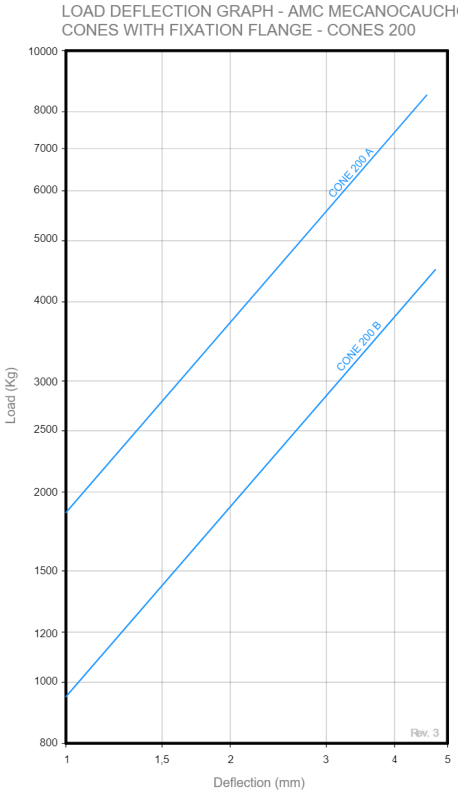
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Elastic properties









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Technical characteristics

The cones with fixation flange from AMC-Mecanocaucho® were designed to offer excellent axial elasticity under heavy loads. The elastomer used is a low dynamic stiffness compound , which makes it possible to obtain low natural frequencies thus maintaining excellent stability of the suspended unit. The mounts radial stiffness is greater than the axial rate . This is particularly interesting for applications where horizontal stability needs to be maintained. The AMC-Mecanocaucho® Cone 100 mount is supplied with a height adjuster. This makes it possible to easily align transmission shafts without having to use additional accessories to do so. All models also incorporate an interlocking metal part that acts as a FAILSAFE system. Thanks to this, and to the ruggedness of the metal parts, this mount is suitable for applications where the suspended unit is submitted to great shocks.

Advantages

Easy installation

This mount requires no major modifications to the structure for installation.

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.

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 when good durability is required in demanding applications.

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