Cone Mounts with Slots

Conical antivibration support with washers, great elasticity, high durability and insulation, ideal for motors and heavy machinery.



The **AMC-MECANOCAUCHO® Cone Mounts with slots** are rubber-to-metal mounts designed to provide **effective vibration isolation with different stiffness characteristics along each axis**.

The **cavities incorporated into the elastomer** modify the elastic behaviour of the mount depending on the direction of the applied load. This makes it possible to achieve **lower stiffness along a specific axis**, while maintaining higher stiffness in the other directions.

This characteristic is particularly beneficial when the application requires a **lower natural frequency in a specific direction** to improve vibration isolation, while maintaining stability and movement control along the other axes.

The conical geometry also allows the elastomer to work in **compression and shear**, providing multidirectional behaviour suitable for both static and dynamic loads.

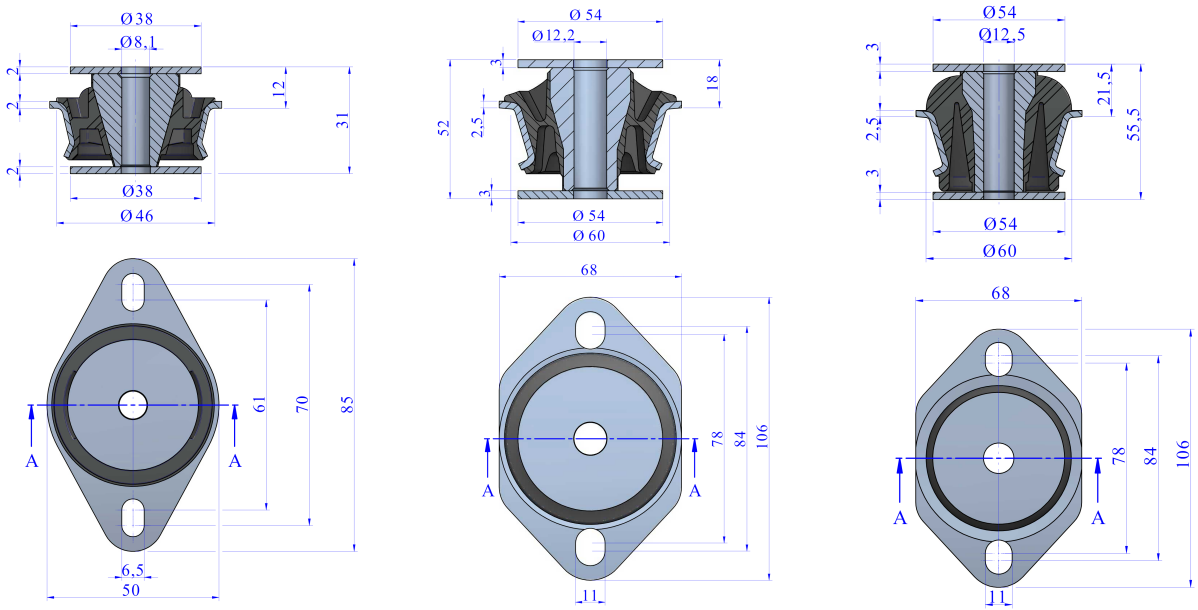
Thanks to this combination of **different stiffness characteristics, vibration isolation, stability and robustness**, these mounts are particularly suitable for **engines, generator sets, auxiliary machinery, industrial vehicles and mobile machinery**.

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Drawings

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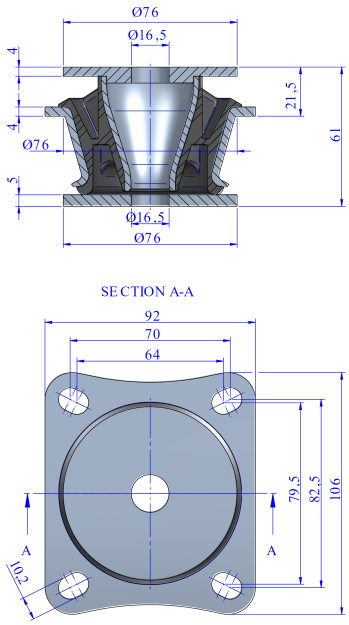
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
00	20,5	126	137007	25	45 Sh
			137008	50	60 Sh
			137009	75	70 Sh
10	71	406	137001	75	45 Sh
			137002	140	60 Sh
			137003	210	70 Sh
12	71	407	137914	80	45 Sh
			137916	120	55 Sh
			137918	200	70 Sh

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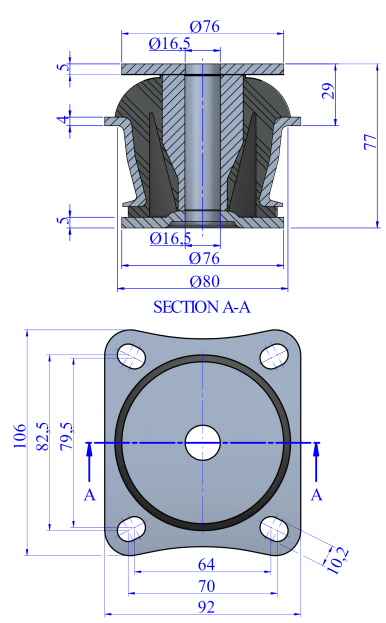
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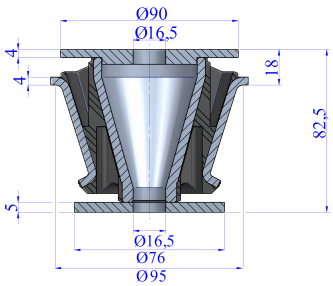
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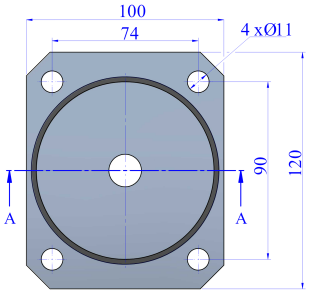
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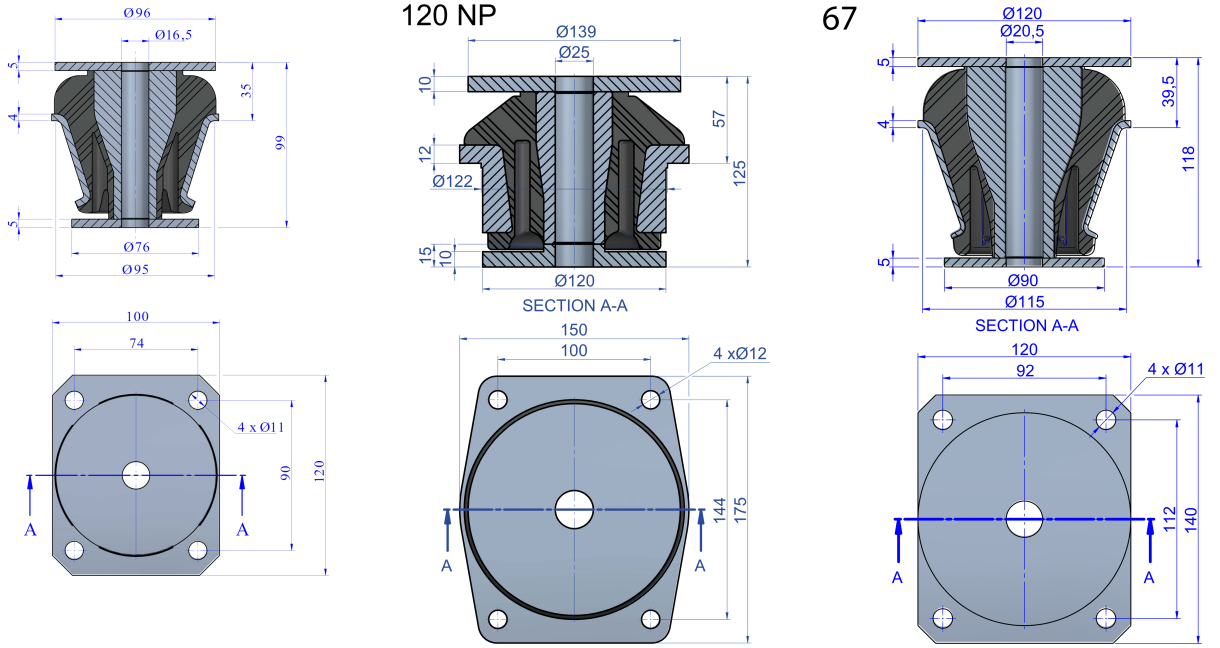


Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
20	113	554	137031	120	45 Sh
			137034	200	60 Sh
			137039	330	70 Sh
30	170	1167	137041	140	40 Sh
			137043	190	50 Sh
			137042	300	60 Sh
			137044	370	70 Sh
35	170	1328	137065	200	45 Sh
			137067	450	60 Sh
			137068	760	70 Sh

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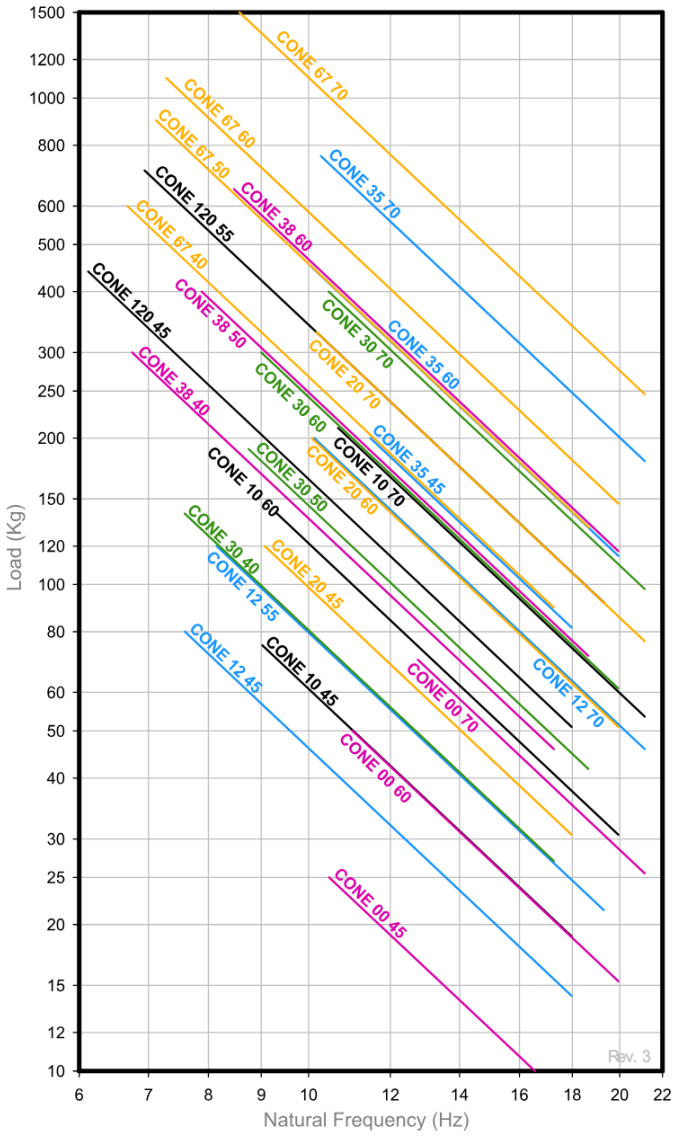
Type	Tightening torque Max. (Nm)	Weight(gr)	Code	Max. Load(kg)	Shore
38	170	1438	137961	300	40 Sh
			137962	400	50 Sh
			137963	650	60 Sh
			137964	900	70 Sh
120 NP	600	6890	137871	440	45 Sh
			137872	720	55 Sh
67	350	3242	137730	600	40 Sh
			137731	900	50 Sh
			137732	1100	60 Sh
			137733	1500	70 Sh

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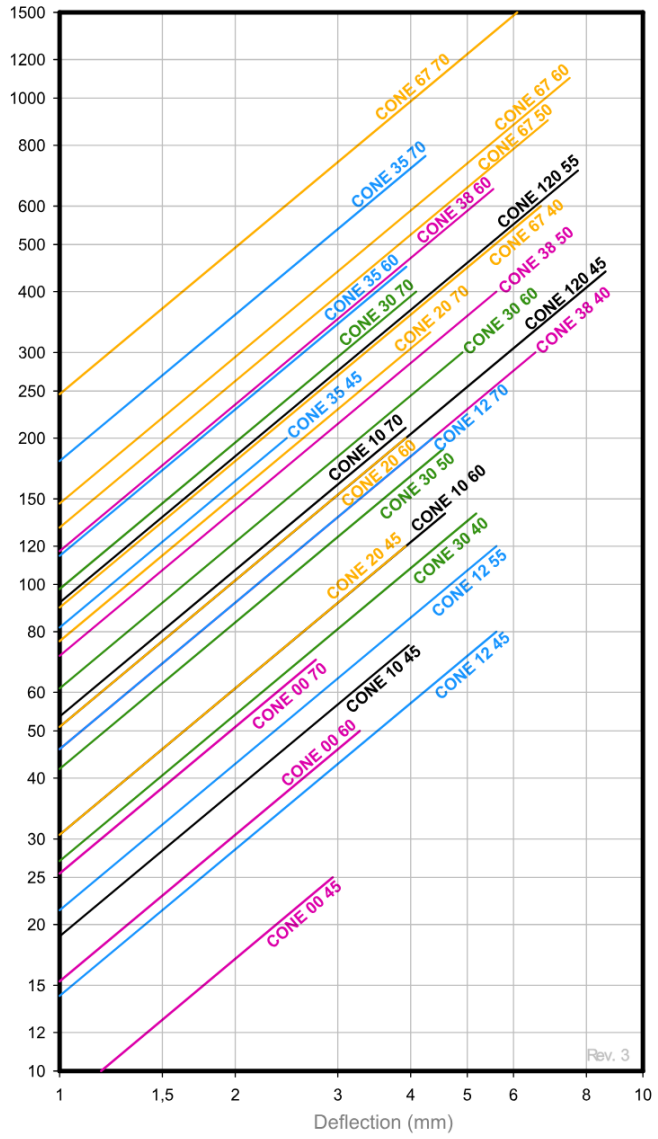
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Elastic properties

NATURAL FREQUENCY
AMC MECANOCAUCHO® CONE WITH CUTOUTS



LOAD DEFLECTION GRAPH
AMC MECANOCAUCHO® CONE WITH CUTOUTS



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Technical characteristics

The AMC-Mecanocaucho® Cone mounts are safe and stable elements. They do not allow the suspended elements to tilt, whilst being flexible enough to avoid the transmission of noise and vibration through the support structure.

They are supplied complete with bump stop and centering washers. This renders deflection above the limits of the Mecanocaucho® Cones impossible, even at extreme loads.

The washers protect the natural rubber (which is highly elastic and highly resistant) from ozone and ageing, as well as from metal knocks and dripping oil. The characteristic deflection curves of the AMC-Mecanocaucho® Cone mounts with centering washer are quite linear, increasing progressively as the load increases. Thanks to this they can safely dampen overloads of up to three times the maximum admissible load.

The cutouts on the rubber section offer different horizontal/vertical stiffness ratios. This feature is especially interesting far those applications where a lower stiffness is required in one of the axes. Our technical department can provide you the elastical constants and can recommend you the optimal position of the cutouts.

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.

Mount offering high stability

Suspensions built with this mount barely move, thanks to a geometry designed to control the movement of the suspended element.

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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