Annular Vibration Isolators

Highly flexible ring-shaped vibration isolators designed for vibration isolation of light equipment, fans, and sensitive devices.



The **AMC-MECANOCAUCHO® Annular Vibration Isolators** are rubber-metal vibration isolators whose **annular geometry provides high flexibility**, effectively reducing the transmission of vibration between equipment and its supporting structure.

Their design allows the elastomer to operate with **low stiffness**, helping to achieve a **low natural frequency** and consequently a high degree of vibration isolation when the excitation frequency of the machine is sufficiently above that of the isolator.

Thanks to their compact design and high flexibility, they are particularly suitable for applications requiring **high vibration isolation under relatively low loads**.

Ring Vibration Isolators are particularly suitable for **fans, small motors, measuring instruments, electrical and electronic equipment, and light machinery** sensitive to vibration transmission.

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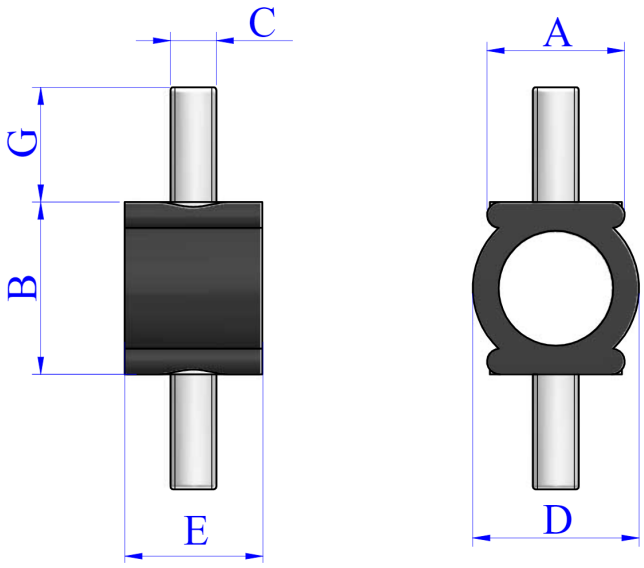
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Drawings

828 / 829 / 830 / 831



Type	Tightening torque Max. (Nm)	A(in)	B(in)	C(in)	D(in)	E(in)	G(in)	Weight(lbs)	Code	Max. Load (lbs)	Deflection(in)
828	-	0.37	0.71	M-4	0.55	0.55	0.39	0.02	130003	3	0.05
829	-	0.37	0.71	M-4	0.55	0.55	0.39	0.02	130001	6	0.04
830	-	0.94	1.18	M-8	1.14	0.94	0.79	0.09	130004	8	0.24
831	-	0.94	1.18	M-8	1.14	0.94	0.79	0.09	130002	18	0.24

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Technical characteristics

Depending on the size of the rubber block, the AMC Mecanocaucho® bobbing has more or less elasticity, which is greater particularly in all directions perpendicular to its axis (shear). The AMC Mecanocaucho® bobbing thus makes it possible to make joins which permit major relative movements, up to several millimetres (in the case of heat expansion, chassis deformations, etc.). The AMC Mecanocaucho® bobbing serves very well for the vibration isolation of machines where the vibrations are perpendicular to their axis, unless these stresses are too much when applied in this direction.

Advantages

Easy installation

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

Improved isolation

It offers improved isolation compared to conventional anti-vibration mounts of similar geometry.

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