V-shaped Generator Mounts

Highly elastic V-shaped anti-vibration mounts with a low natural frequency, designed for effective vibration isolation of generator sets, engines and rotating equipment.

The **AMC-MECANOCAUCHO® V-shaped Generator Mounts** are specifically designed for the vibration isolation of **generator sets, engines and rotating equipment** requiring high elasticity combined with good stability.

Their design consists of **two elastomer elements symmetrically arranged in a V configuration**. This geometry allows the rubber to work in **compression and shear**, providing **low vertical stiffness and a low natural frequency** for effective isolation of vibrations generated by the equipment.

The symmetrical arrangement of the elastomer elements also provides **good lateral stability** and helps control movement of the suspended equipment during **start-up, shutdown and transient dynamic conditions**.

Thanks to their combination of **high elasticity, low natural frequency and stability**, V-Type Generator Mounts are particularly suitable for **generator sets and engines operating at low and medium speeds**, where a high level of vibration isolation is required.

AMC MECANOCAUCHO
Industrialdea Zona A - Pab. 35.
Asteasu E-20159, Gipuzkoa
Spain
Tel.: +34 843 74 00 13
sales@amcsa.es
www.mecanocaucho.com

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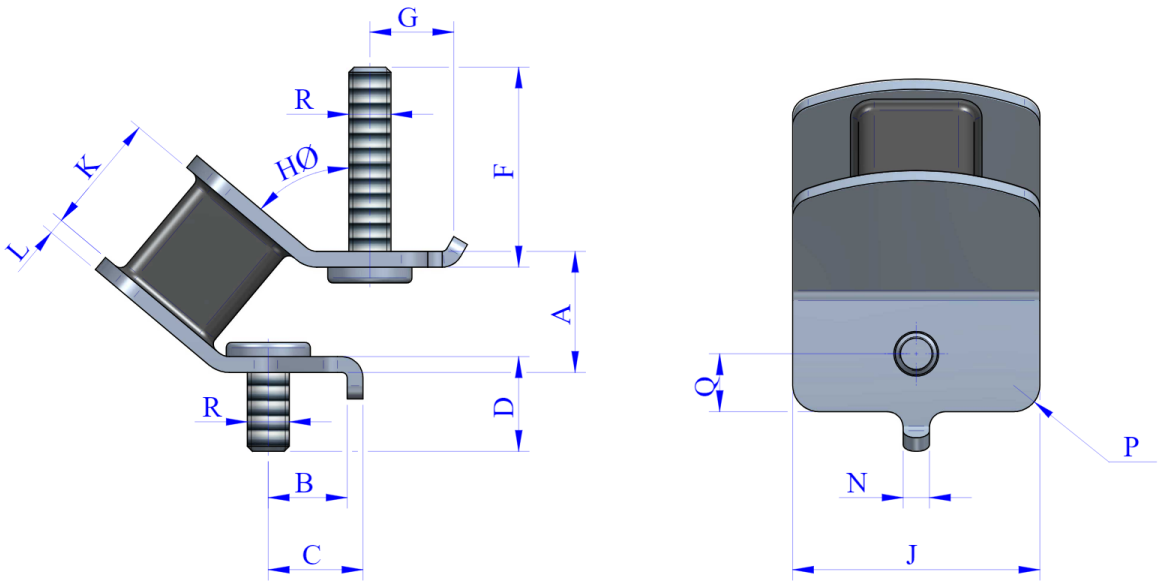
Drawings

Small



Type	A (mm)	B (mm)	C (mm)	D (mm)	H (º)	F (mm)	G (mm)	J (mm)	K (mm)	L (mm)	N (mm)	P (mm)	Q (mm)	Weight (gr)	R (mm)	Code	Max. Load (kg)	Shore
Small	23	14,5	18	18	50º	38	15,9	47	23	3	5	5	11	150	M8	148151	5	45 Sh
																148153	15	60 Sh

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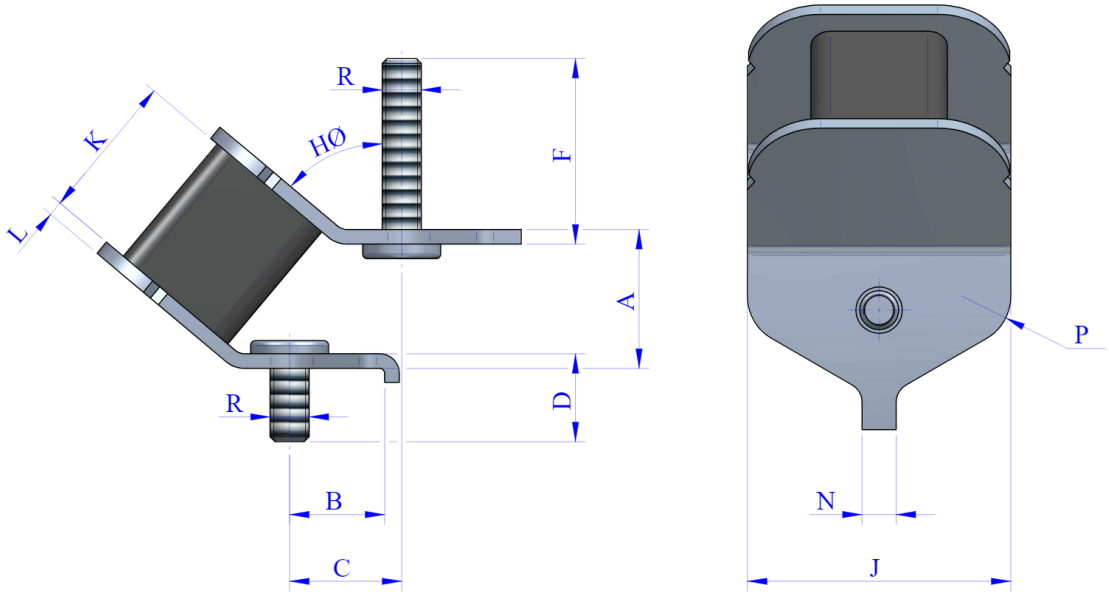
Large



Type	A (mm)	B (mm)	C (mm)	D (mm)	H (°)	F (mm)	G (mm)	J (mm)	K (mm)	L (mm)	N (mm)	P (mm)	Q (mm)	Weight (gr)	R (mm)	Code	Max. Load (kg)	Shore
Large	28	19,5	22	18	50°	38	20	54	31	3	7	10	-	205	M8	148171	40	45 Sh
																148173	90	60 Sh

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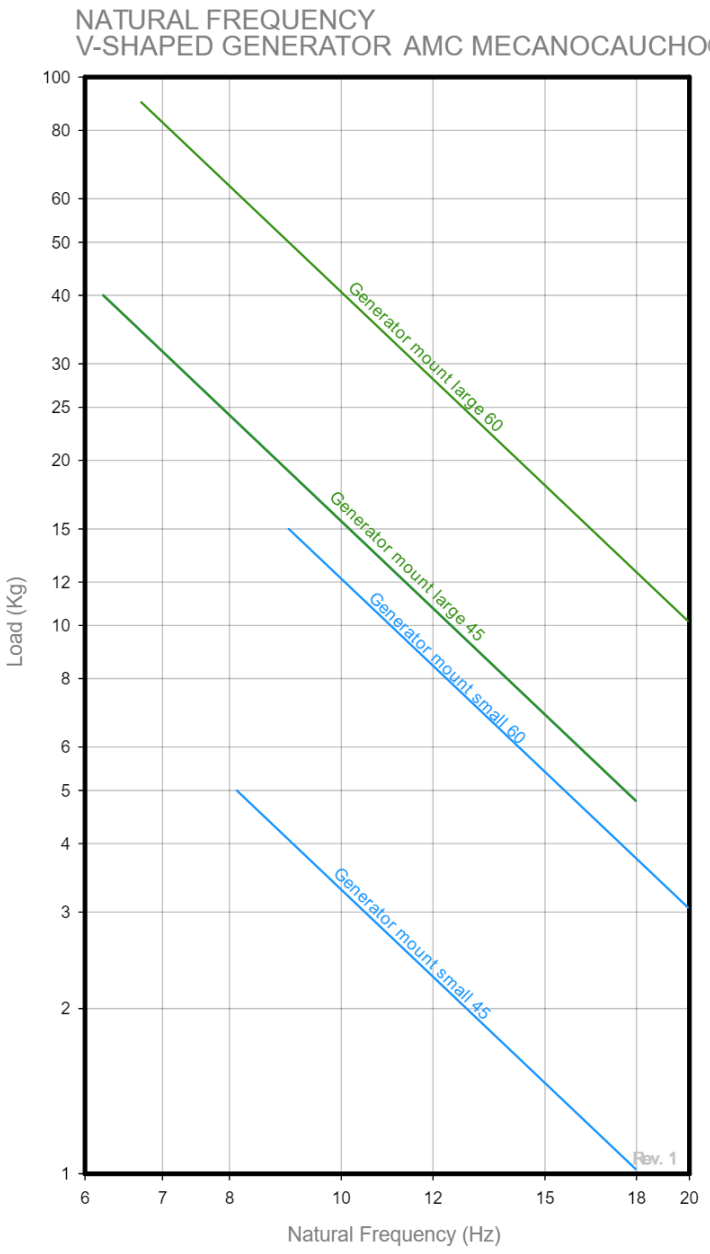
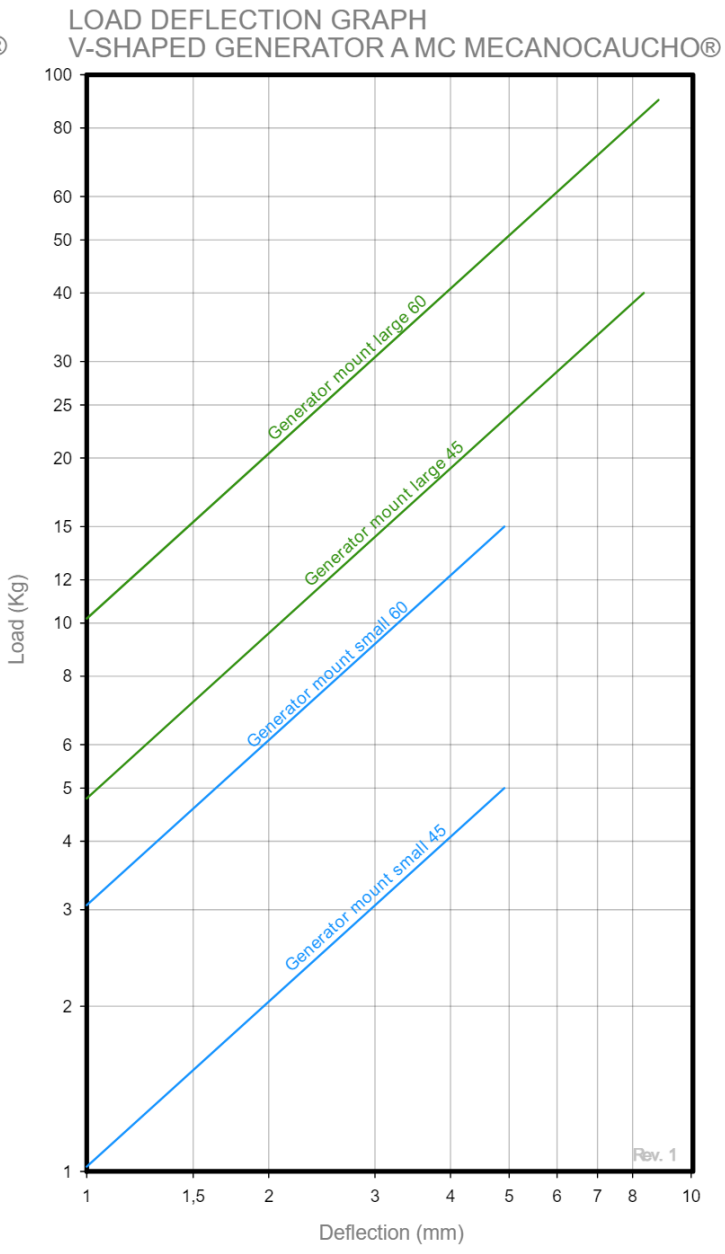
Elastic properties





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Technical characteristics

The V-Shaped Generator mounts render it possible to make installations which are more flexible than ones that can normally be made with cylindrical or Bobbin mounts. This makes it possible to achieve lower system frequencies and consequently improved vibration isolation.

- Stability is enhanced when two are installed, symmetrically opposed See fig. 1.
- They have two different length screws which facilitate the assembly of the engine to the chassis. The screws can be supplied in different lengths to order.
- They have to "'anti-turn" tabs which stop the mount from turning when strong tightening torque is applied (very frequently) with pneumatic tools.
- They are supplied in 2 hardnesses to adapt to different load ranges.
- They provide vibration attenuation or above 90% in diesel or petrol single-cylinder engines running at 3000 rpm.

Advantages

Easy Installation

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

Improved isolation

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

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