

**MAGNETI  
MARELLI**

PARTS & SERVICES



# VIBRATION DAMPERS

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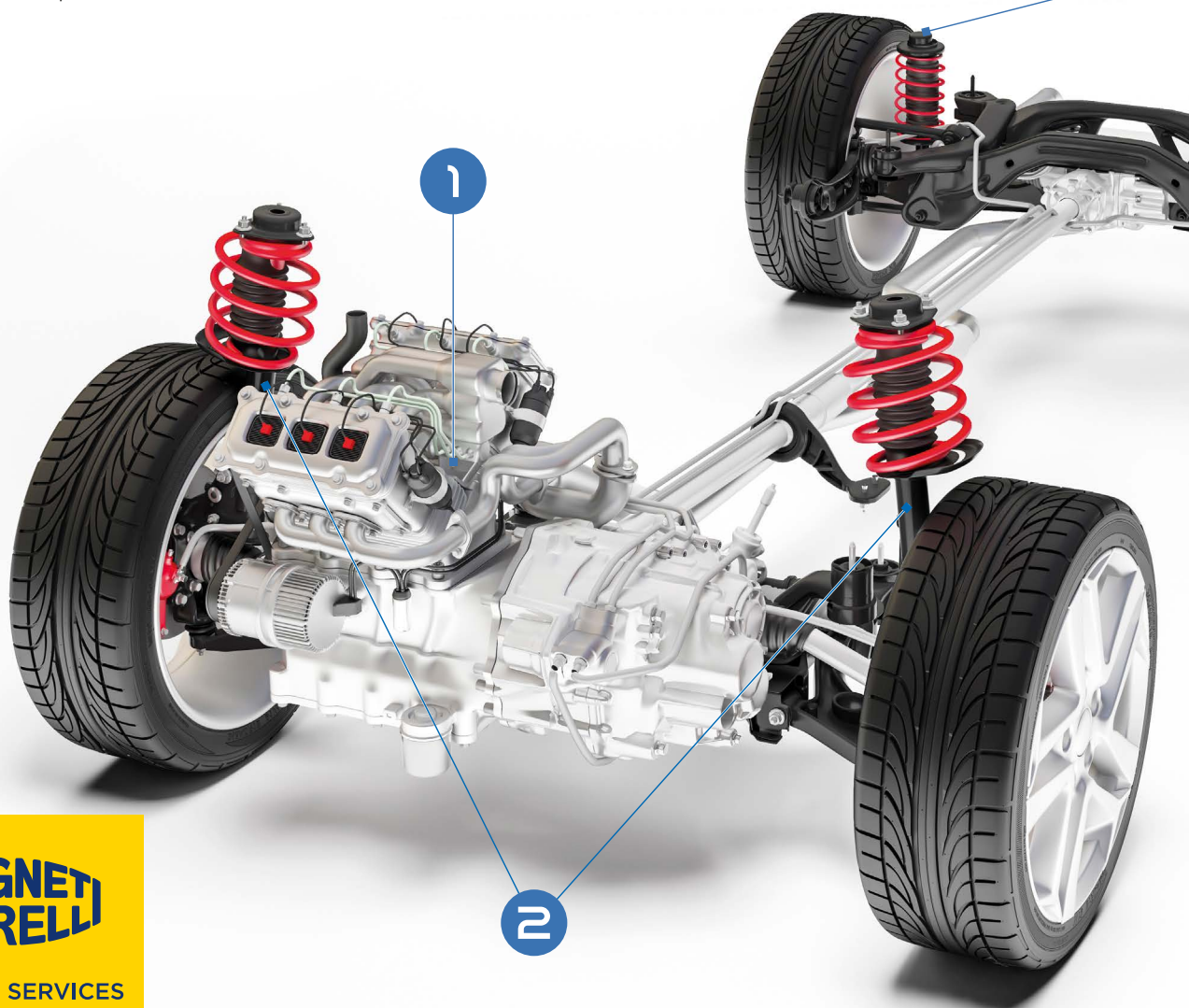
# VIBRATION DAMPERS

## MAGNETI MARELLI PARTS & SERVICES

**Magneti Marelli Parts & Services** vibration dampers represent a high-quality solution for the automotive industry, aimed at ensuring maximum comfort and optimum driving performance. The components are manufactured to meet the strict standards of the original equipment, offering a complete range of products for the best distribution professionals.

Vibration dampers are designed to ensure an elastic connection between the rigid parts of the vehicle, effectively reducing the transmission of vibrations and noise. Over time, these components are subject to continuous stress that can cause changes in their shape and characteristics. In case of wear, it is essential to replace the component to restore optimal vehicle performance.

Magneti Marelli vibration dampers offer has been carefully developed to cover a wide range of passenger cars and commercial vehicles in the European market. The components are made of high-quality materials and designed to effectively reduce vibrations and noise generated by the engine, transmission and wheels.



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The main families of vibration dampers in the catalogue are:



### ENGINE MOUNTS

**Engine mounts** reduce vibrations transmitted from the engine to the chassis, caused by various factors such as the balance of the engine itself, the harmonization of rotating components and the transmission of mechanical stress. Due to their elastic properties, these mounts significantly dampen vibrations perceptible inside the passenger compartment, improving comfort and durability of adjacent components.



### SUSPENSION BUSHINGS

**Suspension bushings** play a crucial role in connecting the suspension arms to the vehicle chassis. Made of high-quality elastomeric materials, these components reduce the stresses caused by acceleration, braking and cornering, ensuring optimal road holding and stable driving in all conditions.



### SHOCK ABSORBER MOUNTS

**Shock absorber mounts** dampen vibrations generated by external forces acting on the moving vehicle. Installed between the shock absorber and the chassis, these components reduce vibration, improving the driving experience and preventing excessive wear of the shock absorbers themselves.



The comprehensive range of anti-vibration solutions includes a wide selection of products such as bushings, joints, guides, tie rods, silent blocks, suspension support mounts, engine mounts, control arm mounts and rubber buffers. This range covers most of the European vehicles, providing a suitable solution for most of the car repair professionals needs.

## Why choose Magneti Marelli Parts & Services anti-vibration components:

**Quality materials:** careful selection of materials based on the specific applications and the level of insulation required. The most used materials are rubber and metal, capable of resisting fatigue and repeated stress over time.

**Optimal design:** geometric features such as shape, size and positioning are optimized to neutralize vibrations at specific frequencies and reduce the transmission of vibrational energy to other parts of the vehicle.

**Testing and certification:** vibration dampers undergo rigorous testing and certification to ensure that they meet the safety and performance standards required by the automotive industry. These tests may include evaluations of dynamic properties, fatigue resistance and stability over time.

**Durability:** the components are designed to withstand mechanical stress and wear over time. The use of durable materials and the implementation of high-quality manufacturing processes ensure the performance of the vibration dampers over all their expected lifetime.



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