

**MAGNETI
MARELLI**

PARTS & SERVICES



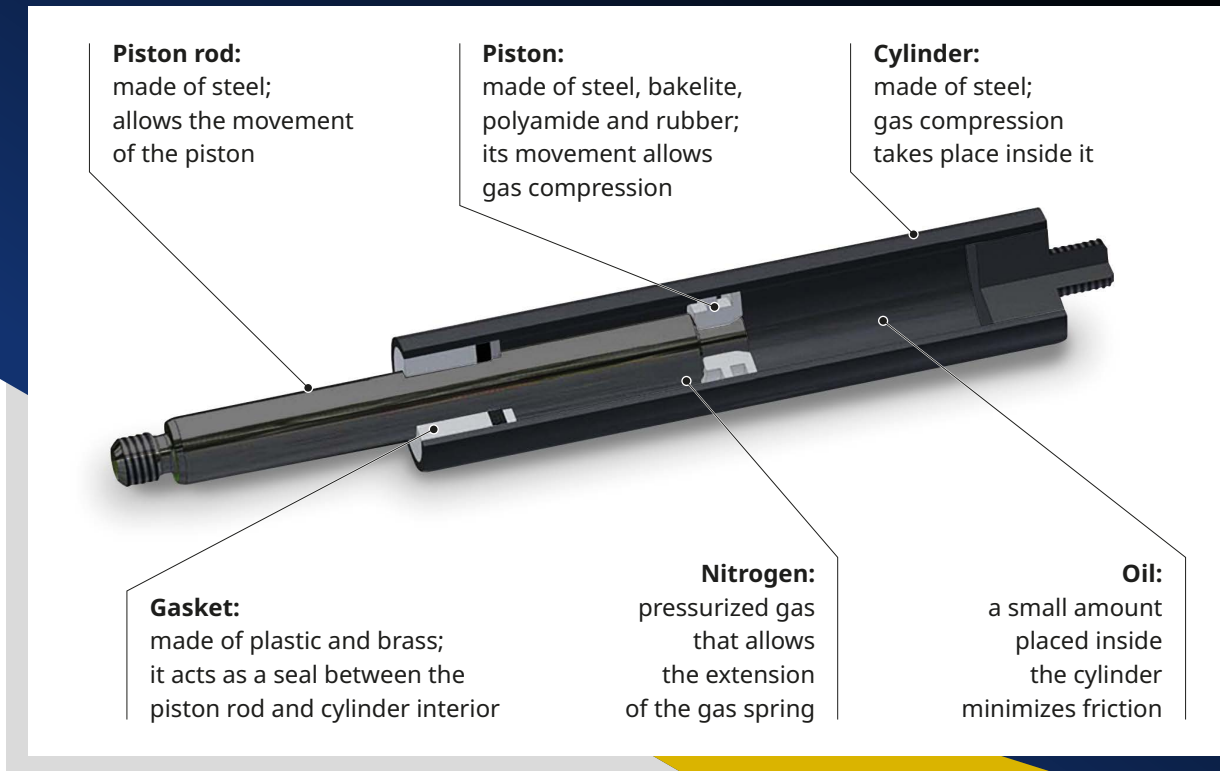
**Magneti Marelli
Parts & Services GAS SPRINGS**

are developed and produced according to the rigorous procedures required by ISO 9001 certification and according to the quality standards of leading car manufacturers.

- ▶ Complete new range of self-extended and self-pressurized gas springs.
- ▶ High-quality materials and design, made of stainless steel capable of withstand intense mechanical stress for maximum service life.
- ▶ Compact design and very easy installation thanks to the development of application-specific connection elements.
- ▶ Available lengths from 155 to 905 mm and forces (F1) from 45 to 985 N.

GAS SPRINGS

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The gas spring works by compressing the pressurized nitrogen inside the cylinder.

This happens when the piston rod is pushed by the weight of the tailgate (or the car hood) inside the cylinder, pushing the piston itself and compressing the gas, providing the so-called 'extension force' when the tailgate is reopened.

Gas Springs are in the extended position when not pressurized, as when the tailgate is open.

In addition, there is a small amount of oil inside them, which minimizes friction between the internal parts.

This small amount of oil also provides the damping function: smooth opening and closing with safe movement cycles, maximizing product life.

