



AIR SPRINGS FOR HEAVY COMMERCIAL VEHICLES AND BUSES

Air Springs are a key component in the suspension systems of trucks, buses, and trailers, working together with shock absorbers.

WHAT ARE THEY FOR?

SABO air springs are designed to reduce vibrations, improving comfort, safety, and durability.

HOW IS AN AIR SPRING MADE?

SABO air springs are typically made of **high-strength synthetic rubber or reinforced rubber (membrane)** that contains pressurized air. This membrane is sealed at both ends with metal plates that allow the air spring to be mounted to the chassis.

The fabric is made of nylon with a specific pattern that ensures high resistance.

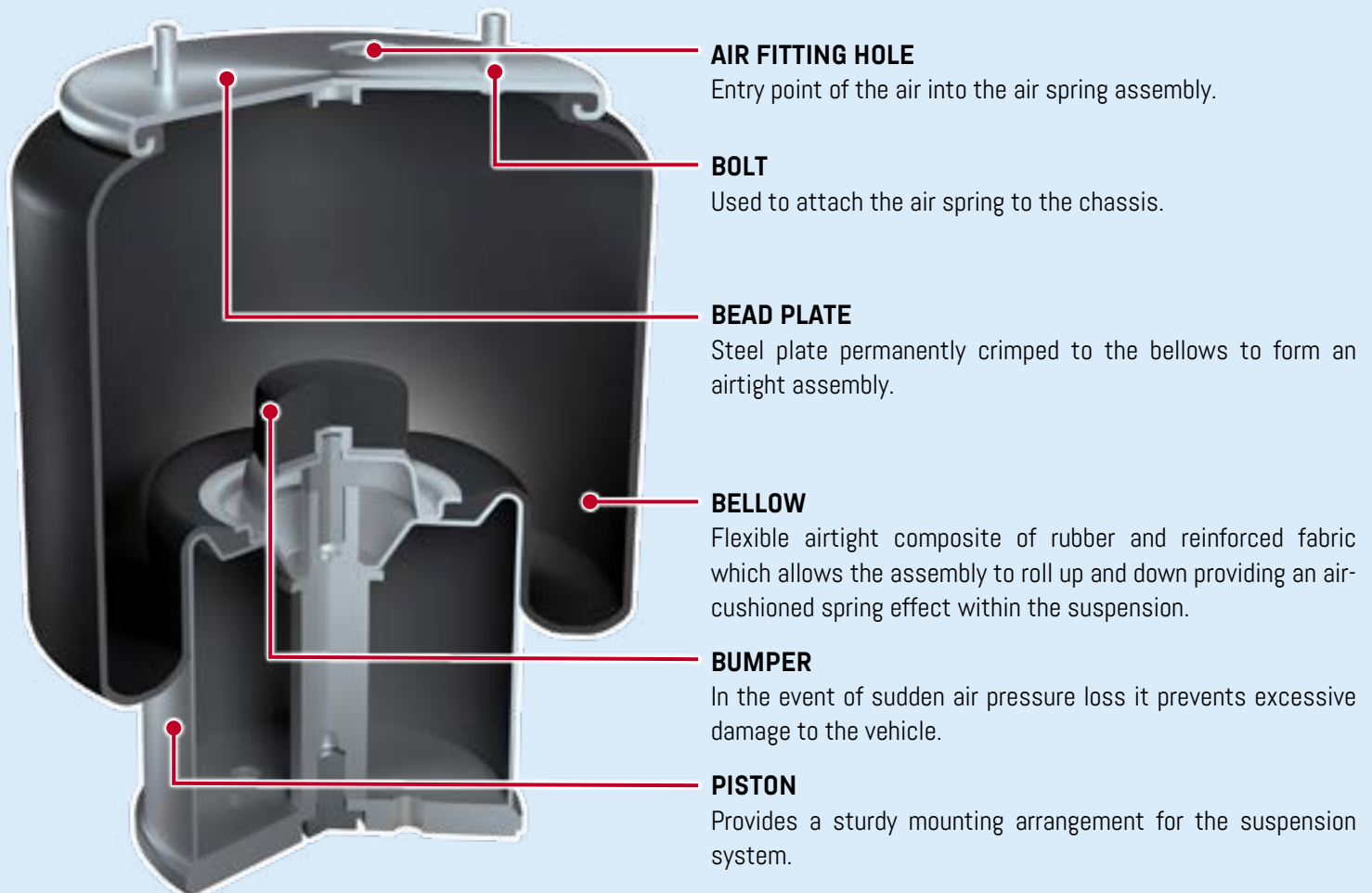
The rubber layer serves to waterproof the fabric and is made from a neoprene-based compound that protects the air spring from oil or diesel splashes and from weather conditions.

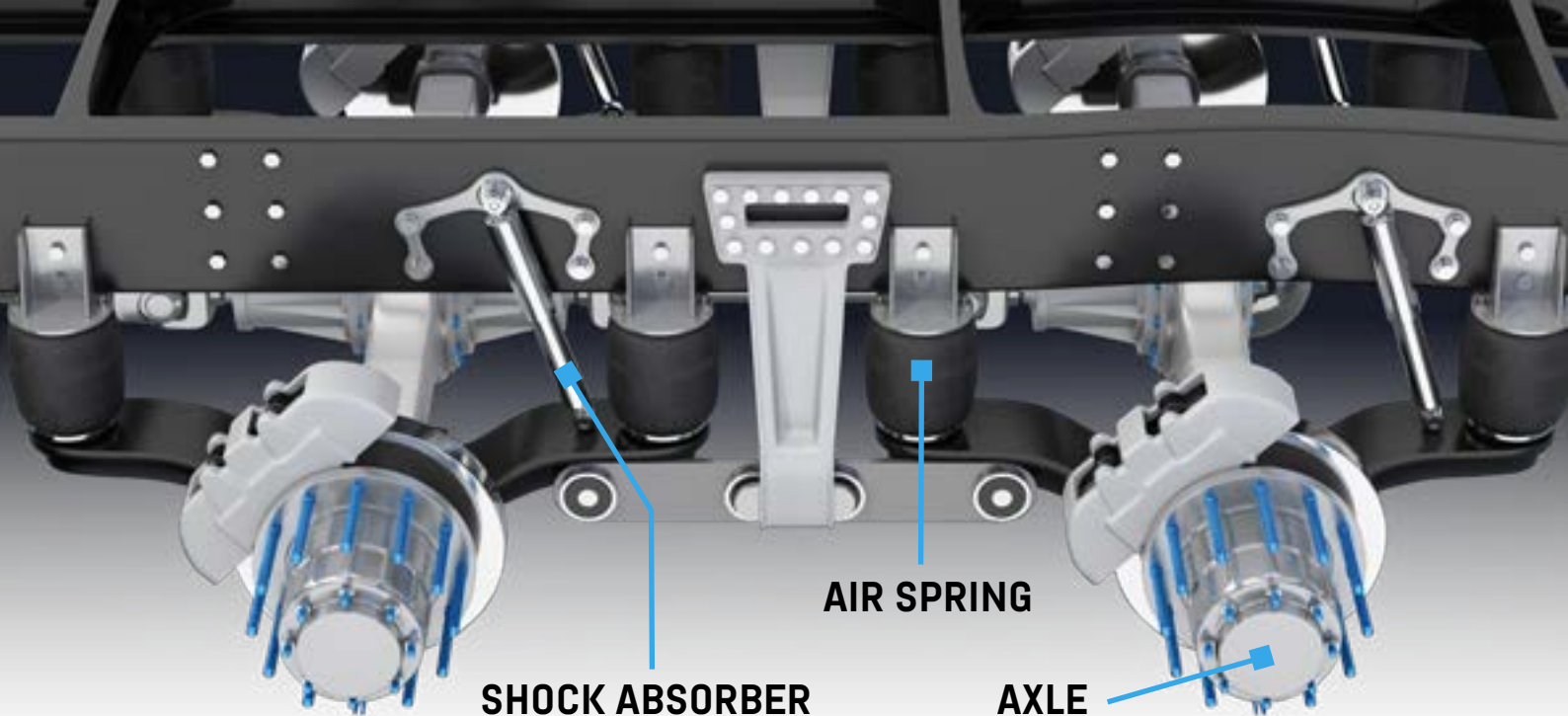
WHY CHOOSE SABO AIR SPRINGS?

For over 60 years, **SABO** has been investing in **product quality and range expansion**.

We stock a complete range of ready-to-deliver products for trucks, buses, and trailers from the leading manufacturers.

Our in-house Research and Development team is also capable of **designing customized products** in collaboration with our customers.





ADVANTAGES OF SABO AIR SPRINGS

- **Load adjustment:** they allow the suspension to adapt based on the weight of the load, ensuring stable and safe driving and minimizing oscillations.
- **Driving comfort:** they offer greater shock absorption than metal springs, providing better comfort on uneven terrain and over long distances.
- **Lower maintenance costs and reduced component wear,** as air generates less friction compared to rigid materials.
- **Increased stability and safety:** they help keep the vehicle stable, preventing rollover in case of heavy loads and improving cornering on rough surfaces.
- **Automatic suspension adjustment:** some heavy-duty vehicles are equipped with electronic systems that automatically regulate air pressure, optimizing performance based on load and road conditions.
- **3-year warranty.**



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