

# PHOENIX Air Springs

The strong brand in the  
replacement market.



 **PHOENIX**  
Air Springs



## A strong brand – Quality for the replacement market

For more than 50 years now, air spring systems from the PHOENIX brand have proven their worth in the international commercial vehicle market. Our strengths are our broad product range and the consistent expansion for our range combined with perfect service and the high levels of availability in our central warehouse.

## PHOENIX Air Springs *proven high performance*

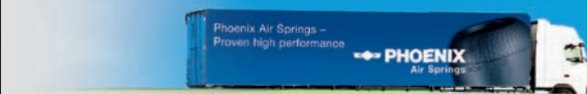


## Production location

Our plant in Hungary has been manufacturing PHOENIX air springs for many years now. The quality standard in this plant meets the demanding requirements of vehicle manufacturers, which we regard as the standard for the replacement market as well. Products for various applications are produced on modern production lines, and have been valued highly by our customers for decades.

## Service

Our paramount goal is to ensure our partners rapid availability and reliable delivery of PHOENIX air springs. That's why we attach so much importance to a strong service team and effective warehousing of all the most frequently ordered types. As a rule, delivery is effected directly from our central warehouse in northern Germany.







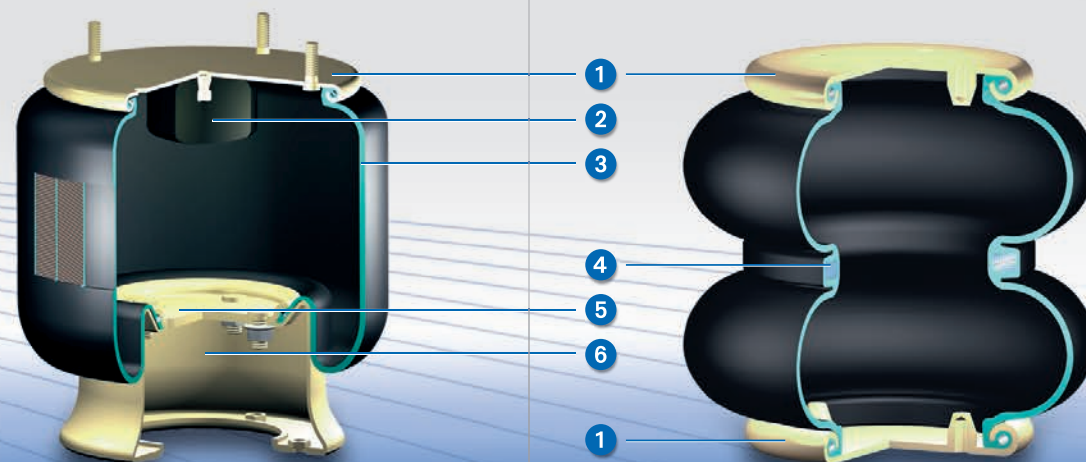
## PHOENIX air spring systems for commercial vehicles

The PHOENIX brand's product range is being continuously expanded and is regularly supplemented with new market launches. Available in a broad assortment of common products, air springs of the PHOENIX brand are specifically tailored to the exacting requirements of the replacement market.

PHOENIX brand air springs have proven their effectiveness over many years and represent a very reliable choice, because the suspension properties are designed according to the specifications for the vehicle in question and therefore provide the highest levels of comfort and effective level control. At the same time, this is achieved amidst the rigors of everyday use, on all roads all over the world and under climatic conditions that run the full scale of possibilities.

As well as classic applications in commercial vehicles such as buses, trucks, trailers and semi trailers, PHOENIX brand air springs are also used in cabs and driver's seats as well as in rail vehicles and machine mounts.

## Proven technology – the high-performance air spring



### Components in detail:

- 1** The crimping plate is used for attaching the air spring onto the vehicle frame.
- 2** The bumper is used for limiting the compression travel and provides limp-home capabilities.
- 3** The air spring bellows, which is the actual spring element, consists of an inner layer, the reinforcement and the outer covering layer.
- 4** The middle ring is used for stabilizing the air spring.
- 5** The clamping plate is the connecting element between the air spring and piston. Depending on the article, it can be vulcanized in or configured as a true clamping element.
- 6** The piston is the connection between the air spring and the axle.

## Truck air suspension

Nowadays, heavy range trucks in particular (> 16 t) are equipped with air springs as a matter of course. Increasingly, however, manufacturers are also equipping even medium range trucks (7.5 – 16 t) with air springs.

## Air suspension systems in buses

Some 50 years ago, it was determined that air springs could be used to enhance comfort in buses, and were thus put into standard production. Nowadays, almost 100 % of buses in Europe are equipped with air springs. In this case, the air springs not only ensure a high level of ride comfort but also a constant vehicle height. Furthermore, they are offering the opportunity of lowering the bus when passengers are boarding or deboarding.

## Modern trailers/semi trailers

Trailers and semi trailers are now almost exclusively equipped with air suspension in order to protect the cargo and the vehicle's body as well as to guarantee safe driving characteristics. It is now also common knowledge that semi trailers with air suspension do much less damage to roads than trailers with steel suspension do.





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[www.phoenix-airsprings.com](http://www.phoenix-airsprings.com)

**ContiTech Service worldwide**

**Your contact person:**

ContiTech Contact Locator

• [www.contitech.de](http://www.contitech.de)

Certification in the ContiTech Air Spring Systems business unit

ISO TS 16949

ISO 9001

ISO 14001



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