



## Light Vehicle Air Springs

Air Springs keep the vehicle at a constant level, regardless of load. They allow to lower the car at high speeds to enhance aerodynamics and thus increase range. Additionally, they can optimize airflow under the car for passive battery cooling in electric vehicles, protect the batteries in bad road conditions and secure ground clearance. Air Springs offering a firm suspension for safe driving, and a more comfortable setup for long road trips.

## Air Spring Rear Axle

- Air Springs with cross-ply bellows, primarily used on the rear axle, offer comfort optimized air sleeves with high precision fiber reinforcement. Their advantages include superior robustness, air tightness and dimensional stability at all temperatures.
- The cross-ply bellows uses two layers of reinforcement fibers, angled against each other to define the pressure resilience. Both sides of the layers are coated with a sealing or protective elastomer layer.
- An intermediate elastomer layer is applied between the two layers of threads, to reach higher service life and better comfort.
- The original quality and robustness of Vibracoustic axial sleeves ensure a longer vehicle service life, less downtime and lower operating costs due to reduced replacement intervals

Improved driving comfort

Keep the vehicle level constant  
regardless of load



Enable automatic adjustment of  
vehicle height

Effectively absorb vibrations and  
shocks

