

SUSPENSION SYSTEMS

making everyday smoother



airsuspension

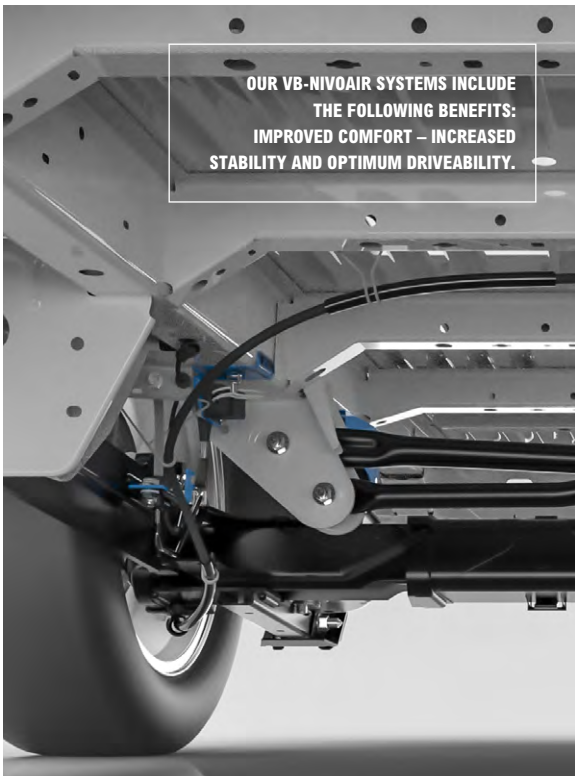


DISCOVER THE POSSIBILITIES OF VB-AIRSUSPENSION

BETTER SAFETY AND COMFORT ON THE ROAD.

VB-NivoAir

Full air suspension



OUR VB-NIVOAIR SYSTEMS INCLUDE THE FOLLOWING BENEFITS: IMPROVED COMFORT – INCREASED STABILITY AND OPTIMUM DRIVEABILITY.



A GOOD SOLUTION FOR SUSPENSION PROBLEMS.

VB-NivoAir: full air suspension without control options

VB-NivoAir is a complete air suspension system with automatic level control. The system has been specially designed for vehicles with coil spring suspension. The existing coil spring suspension is replaced with a full air suspension system. This system includes air springs, height sensors, a compressor and an electronic control unit (VB-ASCU).

OUR AIR SUSPENSION SYSTEMS GIVE YOUR VEHICLE MORE STABLE DRIVEABILITY.

The air suspension system filters out unevenness in the road surface, improving ride comfort. The VB-NivoAir system ensures that the vehicle always remains at the same ride height. Unlike the VB-FullAir systems, the VB-NivoAir system cannot be adjusted manually, so it is not possible to raise or lower the rear axle.

The ride height is the ideal height for comfort and stability. The driveability and stability of the vehicle are improved, which in turn increases safety. The ride height is calibrated to a fixed value.

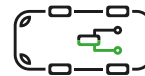
	Increasing the ride height	Minimising sagging	Reducing vehicle roll	Improving suspension comfort
VB-NIVOAIR Full air suspension	++	++	++	++
	Improving driving characteristics	Increasing safety	Improving stability	Control options
	++	+	+	



CONSTANT RIDE-HEIGHT AT ALL TIMES.

VB-NivoAir is a complete air suspension system for vehicles with coil spring suspension. The driver of the vehicle has no influence on the ride height and the system cannot be adjusted manually.

VB-NivoAir:



A VB-NIVOAIR SYSTEM IS OFTEN FITTED TO MEET THE FOLLOWING REQUIREMENTS:

- INCREASED RIDE HEIGHT ■
- REDUCES THE OFF-CENTRE LEVEL ■
- REDUCED VEHICLE ROLL ■
- IMPROVED SUSPENSION COMFORT ■
- IMPROVED DRIVING CHARACTERISTICS ■
- INCREASED SAFETY ■
- IMPROVED STABILITY ■



BENEFITS OF VB-NIVOAIR:

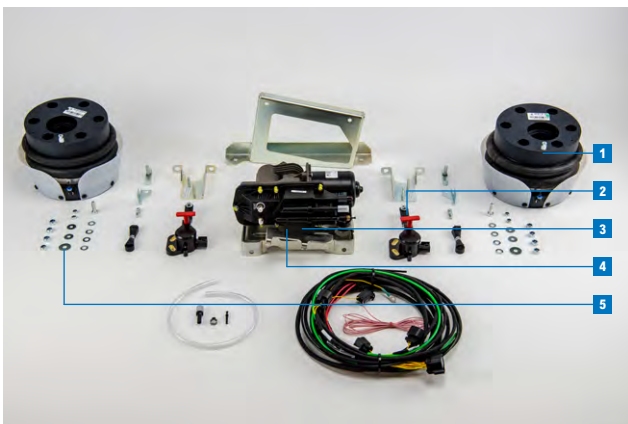
- CONSTANT RIDE HEIGHT
- IMPROVED COMFORT
- OPTIMUM DRIVABILITY
- INCREASED STABILITY
- COMFORTABLE RIDE FOR PASSENGERS
- IMPROVED PROTECTION FOR FRAGILE GOODS
- LESS WEAR ON TYRES/BRAKES

'PLUG-AND-PLAY' SYSTEM ALLOWS FOR QUICK INSTALLATION.

The VB-NivoAir system is supplied as a complete 'plug-and-play' system, so there is no need to do any welding, drilling, grinding or sawing work on the vehicle.

Optional equipment: emergency valve kit

The VB-NivoAir system can be pressurised by means of filling valves in the event of a possible electronic failure or a defect in the compressor. The vehicle can be brought up to driving height again by means of an external air supply so that the journey can be continued.



THE VB-NIVOAIR KIT CONSISTS OF:

THE VB-NIVOAIR KIT CONSISTS OF:		VB-NivoAir kit
1	Air springs	+
2	Height sensors	+
3	VB-ASCU (control unit)	+
4	Compressor	+
5	Fasteners	+
+	Fitting instructions	+
+	User manual	+
+	Approval documentation	+

In addition to the products from the 'full air suspension' product group, we also offer a wide range of other products. Our products fall into one of four product groups. These product groups contain a variety of systems for many different makes and models, meaning that there is always a suitable solution for you.



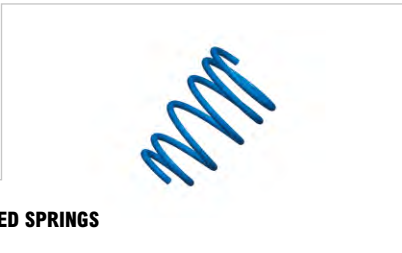
FULL AIR SUSPENSION



SEMI AIR SUSPENSION



HELPER AND REINFORCED SPRINGS



SPECIAL COMPONENTS



DISCOVER OUR PRODUCT GROUPS.

Semi air suspension

Semi air suspension is a suspension system that helps the existing suspension on the vehicle to correct suspension problems. The auxiliary air suspension system is fitted between the original leaf suspension and the vehicle chassis.

Semi air suspension is available for the vehicle's rear axle.

Helper and reinforced springs

Helper and reinforced springs are suspension systems that support or reinforce the existing suspension system in order to correct a suspension problem. The helper and reinforced springs are either fitted to the existing suspension or replace the original spring suspension. The two systems are available for both the front and rear axle.

Special components

Reinforced stabiliser

A reinforced stabiliser is a solid rod of the same material as the springs. This roll stabiliser supports the existing suspension. The roll stabiliser is added to the existing suspension system and is available for both the front and rear axle.

Reinforced shock absorbers

Reinforced shock absorbers have their own suspension characteristics. They replace the original shock absorbers, thus becoming part of the existing suspension.

Reinforced shock absorbers are available for both the front and rear axle.

VB-FSD technology

VB-FSD shock absorbers use VB-FSD technology (FSD stands for 'Frequency Selective Damping'). The VB-FSD shock absorbers have double damping characteristics. They replace the original shock absorbers and thus become part of the existing suspension. Shock absorbers with VB-FSD technology are available for both the front and rear axle.



**WE MAKE EVERY JOURNEY
A GOOD ONE.**



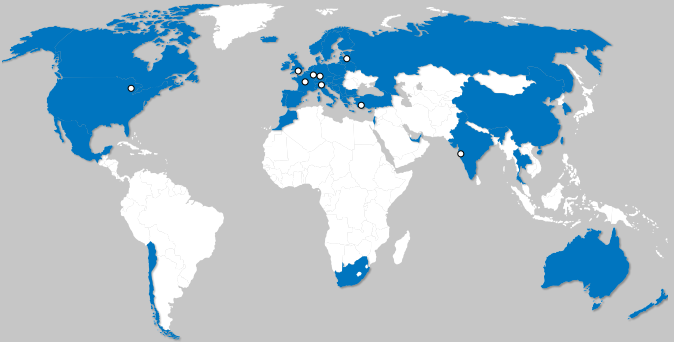
VB-AIRSUSPENSION IS ACTIVE WORLDWIDE.

As a leading company experiencing rapid growth, we want all our customers across the globe to benefit from our premium suspension applications. These suspension applications provide improved comfort, better driving characteristics and improved safety, in turn making every day smoother.

MAKING EVERYDAY SMOOTHER.

According to this motto, we aim to provide our customers with the best possible service – and we've been very successful so far! After all, our highly motivated team has been developing and building suspension applications and various air suspension systems for light commercial vehicles, ambulances, car transporters, motorhomes, 4x4 vehicles and off-road vehicles for more than 28 years. Our product portfolio ranges from reinforced springs to full air suspension solutions with active shock absorbers for front and rear axles. We are especially proud of our official recognition from big names such as Mercedes-Benz, Volkswagen, Ford, Renault, PSA and AL-KO – the highest recognition that an accessory specialist can receive from a vehicle manufacturer. TÜV approvals and 'Letters Of No Objection' (LONO) from various vehicle manufacturers mean that our products are also available for other vehicles.

- MORE THAN 28 YEARS OF EXPERIENCE
- 150 EMPLOYEES
- 8 SUBSIDIARIES WORLDWIDE
- REPRESENTED BY PARTNERS IN 40 COUNTRIES
- DELIVERY TO MORE THAN 60 COUNTRIES
- MORE THAN 225 ACCREDITED INSTALLATION PARTNERS
- MORE THAN 825 TRAINED SPECIALISTS
- MORE THAN 200,000 AIR SUSPENSION SYSTEMS SOLD



DISCOVER OUR PRODUCTS.

Our products find their way to satisfied users through an extensive network of international partners and dealers. Our partners and dealers are authorised specialists that have received extensive training in the installation of our products and in the provision of a high-quality service and appropriate advice.

To find your nearest partner or dealer,
visit www.vbairsuspension.com.