

SUSPENSION SYSTEMS

making everyday smoother



airsuspension



DISCOVER WHAT VB-AIRSUSPENSION CAN DO FOR YOU

BETTER SAFETY AND COMFORT ON THE ROAD.

VB-CoilSpring

Helper and reinforced springs



OUR VB-COILSPRING SYSTEMS COME WITH THE FOLLOWING BENEFITS: INCREASED COMFORT – GREATER STABILITY – OPTIMUM DRIVEABILITY.

IMPROVED DRIVING CHARACTERISTICS THANKS TO SUSPENSION APPLICATIONS.

VB-CoilSpring: 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. Our helper and reinforced springs - also called the VB-CoilSpring - are either fitted to the existing leaf suspension/coil spring suspension or they replace the original coil spring suspension. A helper spring or replacement spring is used on vehicles that already have coil spring suspension. Helper springs are fitted on vehicles with leaf suspension. Reinforced springs will normally ensure that the vehicle returns to its original or a higher ride height, which increases spring travel and thus improves stability and, to some extent, comfort levels.

PERMANENT SPRING FORCE.

VB-CoilSprings are a good option for vehicles that are always (heavily) laden and that have to carry variable loads every once in a while. This is because the reinforcement to the spring force is permanent and cannot be adjusted. The two systems are available for both the front and rear axle.

	Increases ride height	Minimises sagging	Reduces vehicle roll	Improves suspension comfort
VB-COILSPRING Helper and reinforced springs	++	++	++	++
	Improves driving characteristics			
	++			



VB-COILSPRING IS OFTEN FITTED TO MEET THE FOLLOWING REQUIREMENTS:

- INCREASE RIDE HEIGHT
- REDUCE SAGGING
- REDUCE VEHICLE ROLL
- IMPROVE SUSPENSION COMFORT
- IMPROVE DRIVING CHARACTERISTICS



AVAILABLE IN TWO VERSIONS.

- Replacement spring
 - *Front axle*
 - *Rear axle*
- Helper spring
 - *Front axle*
 - *Rear axle*

BENEFITS OF VB-COILSPRING:

- SUPPLIED AS A COMPLETE KIT
- LESS SAGGING
- INCREASED COMFORT
- INCREASED STABILITY
- STRONGER SUSPENSION
- LESS CROSSWIND SENSITIVITY

RESTORE SPRING TRAVEL.

Replacement spring

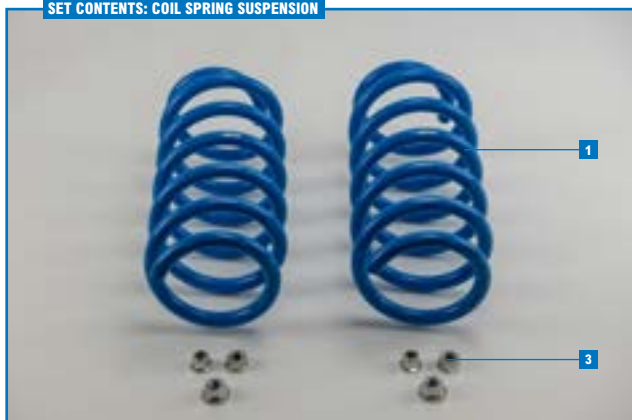
As the name suggests, the original coil spring is removed and replaced by a replacement spring, i.e. by a reinforced version.

Reinforced springs will normally ensure that the vehicle returns to its original or a higher ride height, which increases spring travel and thus improves stability and, to some extent, comfort levels.

- On a vehicle with coil spring suspension, a reinforced replacement spring is fitted between the chassis and the axle. This reinforced replacement spring replaces the original coil spring.



SET CONTENTS: COIL SPRING SUSPENSION



VB-COILSPRING KIT CONTENTS:

VB-COILSPRING KIT CONTENTS:		COIL SPRING SUSPENSION
1	Replacement springs	+
3	Fasteners	+
+	Fitting instructions	+
+	Approval documentation (TÜV/ABE)	+



KIT PHOTO: LEAF SUSPENSION & COIL SPRING SUSPENSION



SUPPORTS EXISTING SUSPENSION.

Helper spring

The original suspension is retained when a helper spring is fitted. The helper spring is installed alongside the original. Installing the helper spring reinforces the original suspension.

Helper springs will normally ensure that the vehicle returns to its original or higher ride height, which increases spring travel and thus improves stability and, to some extent, comfort levels.

- On a vehicle with [leaf or coil spring suspension](#), the helper spring is fitted between the chassis and the axle. This helper spring supports the original leaf suspension or coil spring suspension.



VB-COILSPRING KIT CONTENTS:

		LEAF SUSPENSION	COIL SPRING SUSPENSION
2	Helper springs	+	+
+	Fasteners	+	+
+	Fitting instructions	+	+
+	Approval documentation (TÜV/ABE)	+	+

REPLACEMENT SPRING



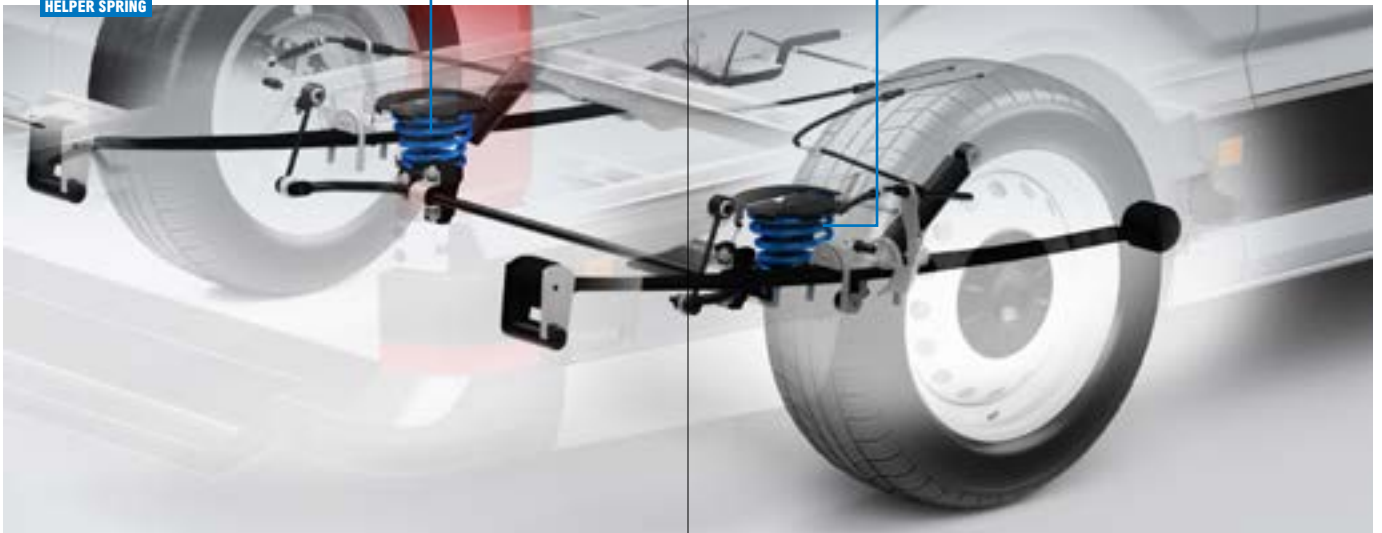
2

1

2

1

HELPER SPRING



2

2

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



THE IDEAL SOLUTION.

Product Finder

Is extensive expertise a requirement when looking for a suitable solution for your vehicle? *Certainly not.* Our website's Product Finder is the perfect tool to help you find the best solution for your vehicle. Simply enter some basic data about the vehicle in question and set out your specific issues and/or preferences to determine the most suitable vehicle solution. If the list of issues and/or requirements in our Product Finder seems overly extensive, that is because we offer just the right solutions for many issues and requirements.

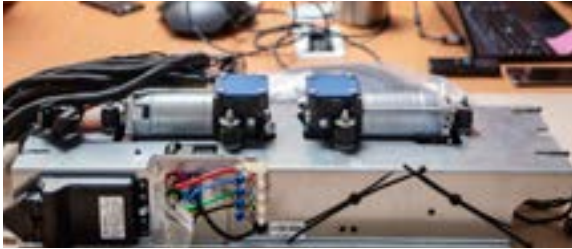
VB-Wizard

Does this make it hard for you to know which issue or requirement to focus on in order to determine the most suitable solution for your vehicle? *We understand.* If that is the case, we recommend using our VB-Wizard. On our website, you will find the VB-Wizard at the bottom right in our Product Finder. This feature goes through the most common issues and/or requirements with you step by step, with detailed descriptions (and animations) to make everything recognisable.

HEAD TO OUR WEBSITE AT WWW.VBAIRSUSPENSION.COM AND SEE FOR YOURSELF JUST HOW EASY IT IS TO USE OUR PRODUCT FINDER AND THE VB WIZARD.

Once you have established a top three of suitable VB products for your vehicle, simply request your quote from one of our local VB Partners. If you have any further questions, our VB-Partners will be happy to help you!





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



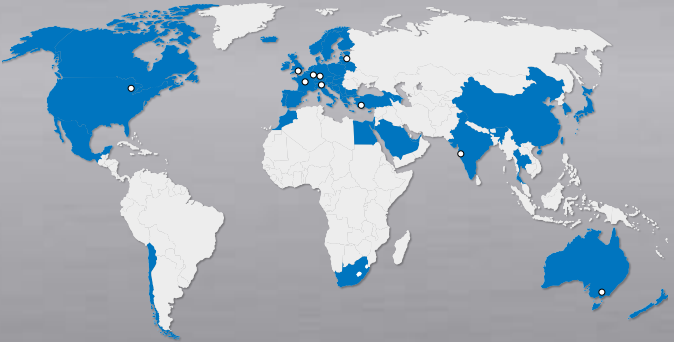
VB-AIRSUSPENSION IS ACTIVE WORLDWIDE.

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 30 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, Stellantis 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 30 YEARS OF EXPERIENCE
- MORE THAN 200 ENTHUSIASTIC EMPLOYEES
- 8 SUBSIDIARIES WORLDWIDE
- REPRESENTED BY PARTNERS IN 42 COUNTRIES
- DELIVERY TO MORE THAN 60 COUNTRIES
- MORE THAN 375 ACCREDITED INSTALLATION PARTNERS
- MORE THAN 900 TRAINED SPECIALISTS
- MORE THAN 300,000 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.