

**BILSTEIN**



# **BILSTEIN SHOCK ABSORBERS ESPECIALLY FOR CAMPERS**

thyssenkrupp Bilstein GmbH  
August-Bilstein-Strasse 4  
58256 Ennepetal

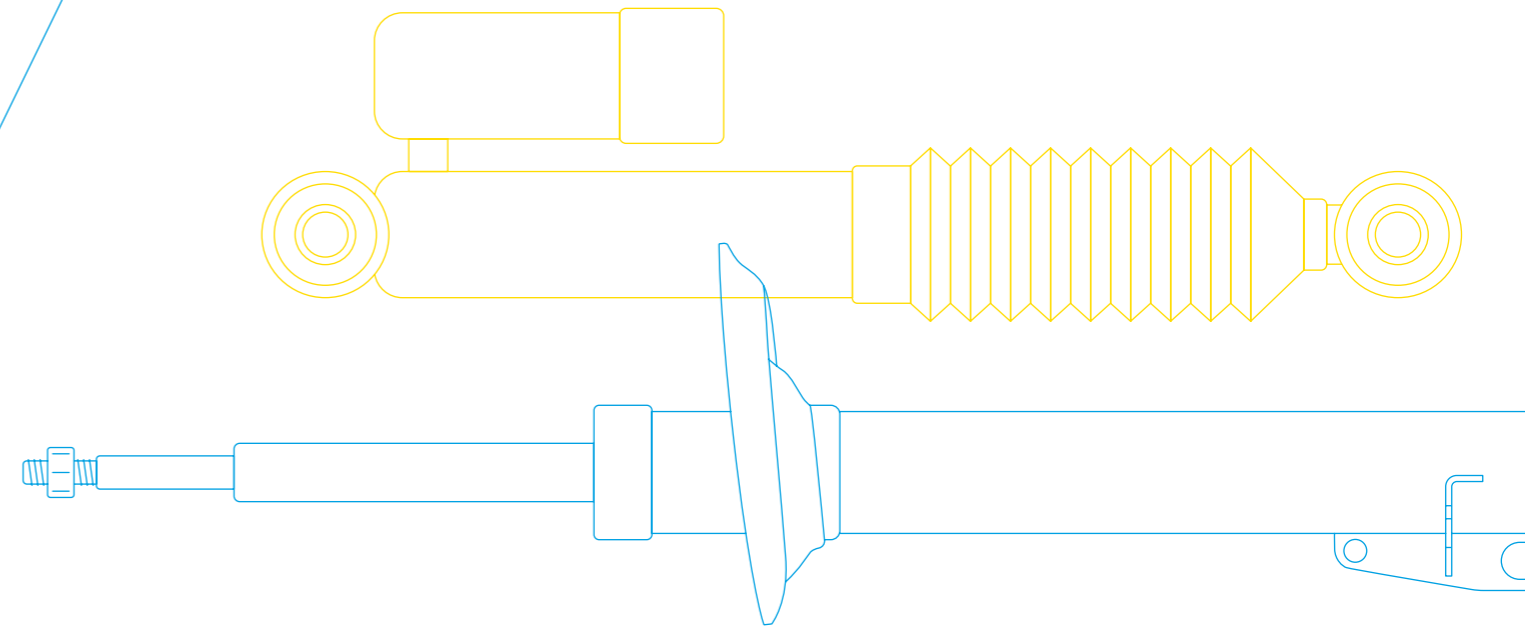
[bilstein.com](https://www.bilstein.com)

**NEW**

# PREMIUM DRIVING EXPERIENCE FOR YOUR CUSTOMERS

As a premium manufacturer of shock absorbers, we have long offered the BILSTEIN B4 as a standard replacement for campers. Now, with the BILSTEIN B6 Camper and BILSTEIN B6 Camper Advanced, we are now launching two innovative and specially products on the market, which are ideally suited for converted vans and semi-integrated campers

round the world, motorhomes are built on platforms that manufacturers have designed for commercial vehicles with solid suspension. They are supposed to transport heavy loads for tradesmen from A to B - and the vehicles do fulfil this purpose. When converted into a camper, however, this priority has a negative effect: Those who want to spend the best days of the year in the vehicle often complain about a lack of driving comfort, poor stability in curves or annoying driving noises. Our high-performance shock absorbers put an end to this: your customers will be thrilled.



## OPTIMISED DOWN TO THE LAST DETAIL: THE BILSTEIN ROAD TEST

Our experienced team of engineers and mechanics tests the prototypes for new shock absorbers on the premises of ATP Automotive Testing Papenburg. Again and again, they drive along a special course to determine the ideal characteristic curves. Only when the measurement data fits and everyone is satisfied does a shock absorber go into series production - including our Camper products.

When the test drivers steer the campers over cobblestones and bumps, they not only collect data for various measurement and test procedures, but they also pay close attention to how the ride feels in the different situations. Again and again, they have to remove and install the shock absorbers, add spring washers and optimise settings - until the incomparable BILSTEIN driving feel is achieved. For our Camper products, we took several weeks to optimise the prototype - no competitor makes this effort.



"In the BILSTEIN road test, we test under extreme conditions, for example at high speed or on poor road surfaces. We take a lot of time to optimise the shock absorber prototypes so that the incomparable BILSTEIN driving experience is created in the end."

**Stefan Pietzyk**, Engineer for the road test





No matter which of our Camper products you choose: Installation is easy thanks to plug & play.

## EXACTLY WHAT YOUR CUSTOMERS NEED

### IN THE STANDARD RANGE

#### **BILSTEIN B4** REPLACEMENT IN OEM QUALITY

Even the most satisfied customers need new shock absorbers from time to time: the BILSTEIN B4 gives them the same driving experience as on day one - because this shock absorber offers 100 percent original equipment quality. As a standard replacement, the BILSTEIN B4 provides exactly the same comfort and safety as the original shock absorber.

[» BILSTEIN ORIGINAL EQUIPMENT](#)



## OUR CAMPER PRODUCTS

The basis of our Camper shock absorbers is the "yellow" BILSTEIN B6 gas pressure shock absorber. It is recommended for all those who do not want to make any compromises, even under increased load - neither in performance nor in comfort. In the optimised adaptations as BILSTEIN B6 Camper and BILSTEIN B6 Camper Advanced, it also meets all the specific demands of camper fans.



*"Our special camper shock absorber range currently includes the BILSTEIN B6 Camper and the BILSTEIN B6 Camper Advanced with automatic damping force adjustment: so we offer a premium solution for every requirement."*

**Ralf Burdinski,**  
Head of Road Test Aftermarket

### GENERAL ADVANTAGES AT A GLANCE

- Safety plus in crosswinds and in curves due to optimal road grip
- More intensive driving experience due to high traction and precise handling
- Reduction of driving noise due to better damping on roads with changing road surfaces
- Increased comfort due to better rolling behaviour on poor road surfaces, cobblestones and at level crossings
- No additional spring change necessary, no registration required

### SUITABLE VEHICLES

At present, the BILSTEIN B6 Camper and the BILSTEIN B6 Camper Advanced fit converted and semi-integrated camper vans based on:

- all Fiat Ducato panel van models from model year 2006 (light and heavy), and
- all identically constructed Citroën and Peugeot vehicles.

Variants for fully integrated campers will follow.

### NEW

#### **BILSTEIN B6 CAMPER** AN EXCHANGE WITH MANY ADVANTAGES

Our new BILSTEIN B6 Camper is aimed at demanding drivers who want more comfort on the one hand and increased directional stability on the other, in everyday and extreme situations. This high-performance shock absorber improves the overall handling of a camper - noticeably!

[» BILSTEIN ROAD TEST](#)



### NEW

#### **BILSTEIN B6 CAMPER ADVANCED** MOVING INTO A DIFFERENT LEAGUE

For camper drivers for whom safety, performance and comfort are equally important, we have developed the BILSTEIN B6 Camper Advanced. Thanks to our DampMatic® technology, it offers automatic damping force adjustment that keeps the vehicle stable at all times: with a soft characteristic damper setting for cruising on coastal roads, and a hard setting for evasive manoeuvres on the motorway.

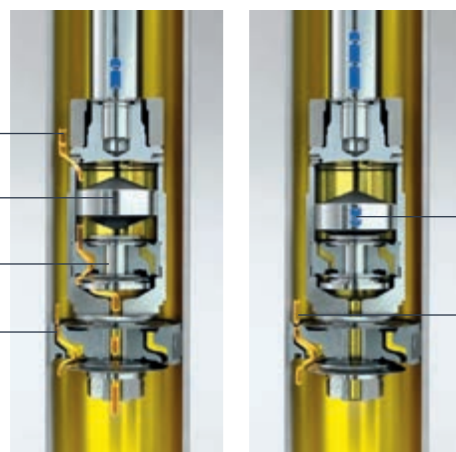
[» BILSTEIN ROAD TEST](#)  
[» BILSTEIN DAMPMATIC®](#)



## THE PATENTED BILSTEIN DAMPMATIC® TECHNOLOGY

**A passive damping system that actively controls?  
Yes - because we invented it!**

DampMatic® is a passive damping system for gas pressure shock absorbers. Actually, passive suspensions are a compromise between safety, comfort and agility, because they cannot adapt to changing driving conditions, i.e. they always follow only one best possible characteristic curve. This is precisely where the special feature of our DampMatic® technology comes into play: dampers such as the BILSTEIN B6 Camper Advanced can switch between two characteristic curves without a solenoid valve, i.e. mechanically, because they have a second chamber inside the damper. The vehicle remains stable due to the deflection of the amplitudes - without additional components, cables or control units.



Volume flow through the DampMatic® bypass

DampMatic® control piston

DampMatic® II Auxiliary valve

Partial volume flow through the main piston

**Small amplitudes**  
 ■ Bypass open  
 ■ Damper is soft

DampMatic® control piston closes the bypass

Complete volume flow through the main piston

**Large amplitudes**  
 ■ Bypass closed  
 ■ Damper is firm

The adjustment system reacts very sensitively and quickly: for example, it swallows the noise on rough asphalt and improves the rolling behaviour at the edges of bridges or on cobblestones. The effect is also noticeable in bends and when changing lanes: when the bypass is closed and the shock absorber is set to firm, the occupants do not perceive this as hard, but as comfortable.

**You can obtain BILSTEIN shock absorbers for campers directly from your wholesaler.**

## A PARTNERSHIP THAT IS WORTHWHILE

*Many workshops already rely on BILSTEIN as a reliable and competent partner when it comes to high-quality shock absorbers, springs, air springs and complete suspension systems in the series replacement and aftersales business. Become a member of the BILSTEIN family.*

### YOUR ADVANTAGES AT A GLANCE

- Attractive additional business with premium shock absorbers
- Competent and fast support in case of questions
- Information material to support your sales
- Additional services for your workshop team

📞 **Technical Support: +49 2333 791 4222**

### ONLINE-INFOS & TRAINING OFFER

Take advantage of the special training and e-training courses for Camper products at the BILSTEIN Academy. Our experts from the field explain the technologies and give tips on installing the shock absorbers. In compact units, with time for your questions as well as comprehensible documents to read up on.



Visit our Camper website with product information and a special workshop area with downloads and registration option for the training courses.

[camper.bilstein.com](http://camper.bilstein.com)