

BILSTEIN



BILSTEIN SHOCK ABSORBERS ESPECIALLY FOR CAMPERS



Download the new
BILSTEIN Catalog Extract
for Camper Shock Absorbers.

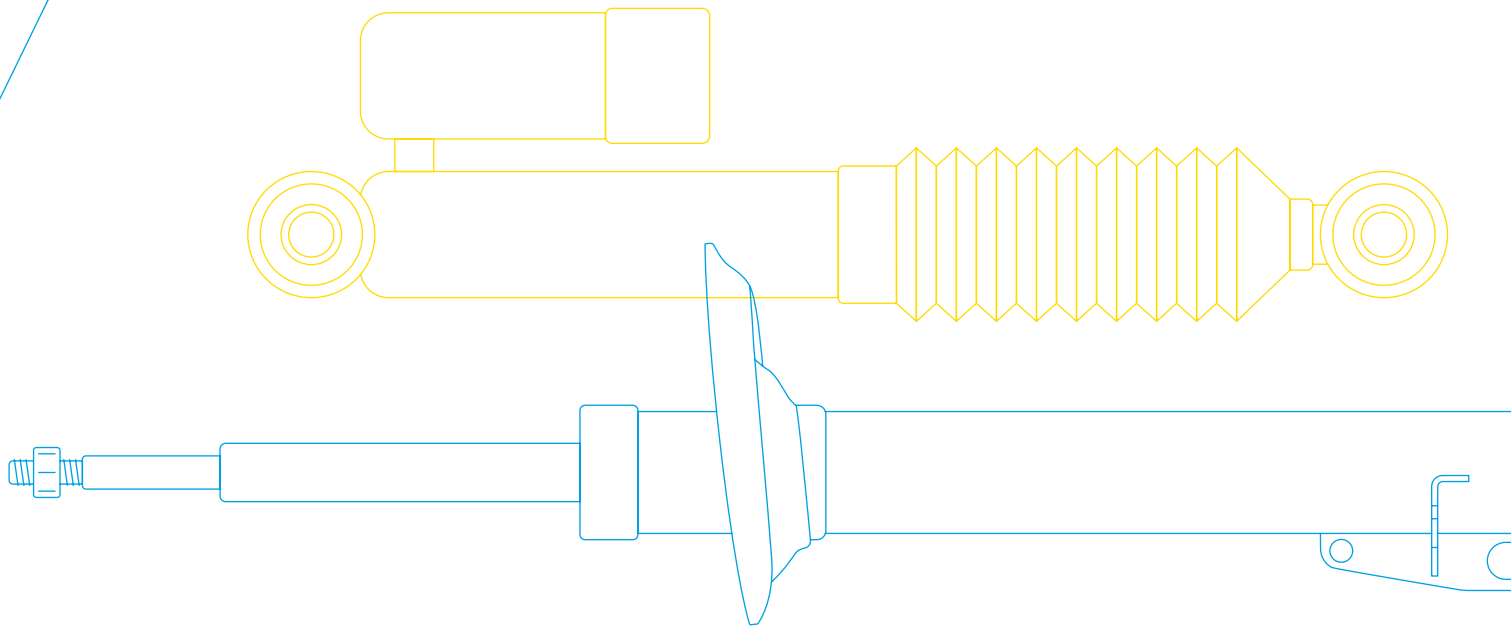
camper.bilstein.com

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. In addition, we have developed the BILSTEIN B6 Camper and BILSTEIN B6 Camper Advanced, two other innovative and adjusted products for converted panel vans and semi-integrated campers.

Around 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. However, when converted into a camper, 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 bends or annoying driving noises - in particular on motorways or rough terrain. 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 specially designed course to determine the ideal characteristic curves. Only when the measurement data are optimal and everyone is satisfied does a shock absorber go into OE production - including our Camper products for panel vans and semi-integrated models.

When the test drivers steer the campers over cobblestones and bumps, they not only collect data for various measurement and test procedures, but they are also meticulous in their attention to how the ride feels in the different situations. Again and again, they 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.



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 wish 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 with regard to driving experience, safety and comfort.

GENERAL ADVANTAGES AT A GLANCE

- Increased comfort thanks to better rolling behaviour on poor road surfaces and cobblestones, at level crossings or on rough terrain
- Extra safety in crosswinds and on bends due to optimum road grip
- More intensive driving experience due to high traction and precise handling
- Coverage of the most popular base vehicles and continuous expansion of the product range
- Attractive alternative and ideal complement to air springs
- Reduction of driving noise due to better damping on roads with changing surfaces
- Time-saving and easy installation, installation, no additional spring change, no registration required

SUITABLE VEHICLES

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

- based on the Mercedes Benz Sprinter (Series 906, 907 und 910)
 - based on the Fiat Ducato from model year 2006 (Light and Heavy), as well as
 - all identically constructed vehicles from Citroën, Peugeot and Opel
- Variants for fully integrated campers will follow.



"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

EXACTLY WHAT YOUR CUSTOMERS NEED

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](#)



BILSTEIN B6 CAMPER AN EXCHANGE WITH MANY ADVANTAGES

Our 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 noticeably improves the overall handling of a camper!

[» BILSTEIN ROAD TEST](#)



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.

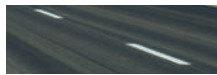
[» BILSTEIN ROAD TEST](#)
[» BILSTEIN DAMPMATIC](#)



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: 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.



Smooth road surfaces



Uneven road surfaces

Volume flow through the DampMatic bypass

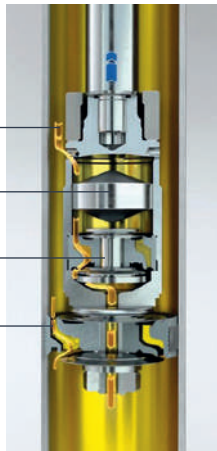
DampMatic control piston

DampMatic II Auxiliary valve

Partial volume flow through the main piston

Small amplitudes

- Bypass open
- Damper is soft

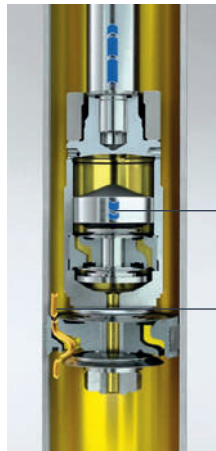


DampMatic control piston closes the bypass

Complete volume flow through the main piston

Large amplitudes

- Bypass closed
- Damper is firm



The adjustment system responds 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 or roots. The effect is also noticeable in bends and when changing lanes: when the bypass closes and the shock absorber is set to firm, the passengers 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
- Continuous product expansion for more vehicle models
- More than 70 years of development expertise
- Competent and fast support in case of questions
- Information material to support your sales
- Additional services for your workshop team Werkstatt-Team

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

ONLINE INFOS & TRAINING OFFER

Take advantage of the special training and e-training courses for all established and new 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 all product information for available models, test reports and a special workshop area with downloads training offers and much more.

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