

The Full Range



The benchmark in technology and quality.

Now that you are holding this brochure in your hands, it is only a small step to the wide variety of products from BILSTEIN. For roughly 60 years, BILSTEIN has stood for top quality and performance in suspension construction both at home and abroad, no matter whether in the field of original equipment, series replacement, tuning or motorsport. We stock our high-quality products – all of which have been tested in elaborate road tests – in OE quality for all vehicle classes and specially tailored to the intended purpose of each suspension. Numerous national and international motorsport successes with BILSTEIN suspensions and a number of “Best Brand” awards, with which you demonstrate your trust in us, are evidence and incentive at the same time. Trust that the big automobile brands also show us. Together with our partners, we develop and produce for series production and the aftermarket. Get to know the versatility of BILSTEIN. Convince yourself and experience the unique BILSTEIN driving feeling!

ThyssenKrupp BILSTEIN GmbH
Division Aftermarket



All of them have two things in common: perfect equipment.

There's no future without a past. Take Formula 1 champions like Niki Lauda and Alain Prost, 24-hour winners such as Jacky Ickx and Hans-Joachim Stuck, rally champions like Walter Röhrl and DTM champions like Bernd Schneider. All of them have two things in common: their innate driving ability that makes them unique, and the perfect equipment.

And for all of them, the biggest success stories have happened with BILSTEIN suspensions. For over 50 years, we have been right by the side of international motor sports, offering innovative technology such as threaded ride height adjustable kits, gas pressure technology, Upside-Down technology and parallel damping adjustment.

Our experience and our commitment offer every ambitious racing driver the right tools for success – in all classes, whether as official supplier of Aston Martin Racing or of many successful teams in the VLN, on all tracks around the world.



Our technology highlights at a glance



Goes with
lowering kits



Goes with
body lift kits



1-way adjustment



2-way adjustment



Road-tested
by BILSTEIN



DampMatic®



DampTronic®



ridecontrol®



iRC®



BILSTEIN®



Don't settle for standard: go for BILSTEIN technology.



BILSTEIN-Original Equipment

The world's foremost automotive brands put their confidence in our quality. Why? Because we develop and series-produce suspension components in collaboration with our partners from the automotive industry. By placing your trust in our experience too, you'll be opting for the BILSTEIN driving experience when you exchange your suspension components.

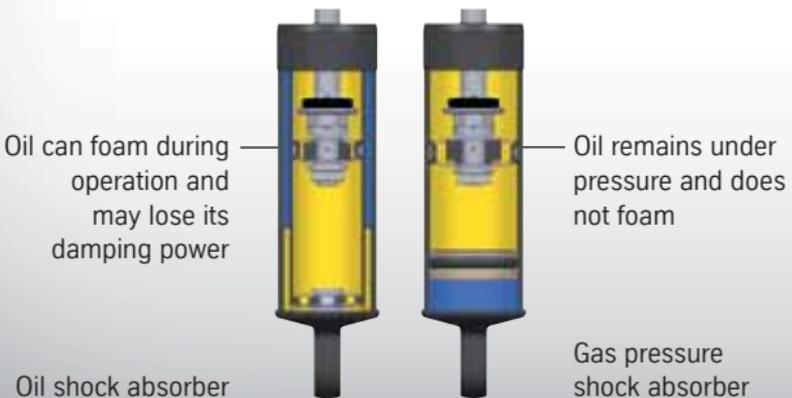
- Technology transfer from original equipment manufacturing and motor sports
- Expert knowledge of the world's most renowned brands, such as Mercedes-Benz, Porsche, BMW, Audi, Bugatti, Ferrari, Lotus, Jaguar and many more
- Comprehensive product range
- High market coverage and availability



BILSTEIN gas pressure technology

Over time, the mono-tube gas pressure technology developed by BILSTEIN has established itself as a standard in automotive construction. This technology involves keeping the oil in the absorber under pressure, which prevents it from foaming when temperatures and loads are increasing. As a result, full damping power is retained even when the system is placed under extreme stress, a feature that can be observed in the self-lowering piston.

- Ensures a high level of traction and more precise handling
- A must-have for powerful sport suspensions
- Added safety in all dynamic driving situations





BILSTEIN mono-tube/Upside-Down technology

The original and best: The original mono-tube gas pressure shock absorbers bore the BILSTEIN name, and we're still responsible for producing the best there is. BILSTEIN's mono-tube technology is the number-one choice in motor sports and series-production sports cars: no other type gives engineers the same freedom to choose the perfect installation location or position (e.g. Upside-Down technology).

- Large effective surface on the working piston creates increased damping power and better handling
- Improved dissipation of thermal energy outwards enables a consistently high level of absorber performance
- Sturdy structure for added safety in Upside-Down technology



Twin-tube technology

The proven technology of a twin-tube absorber is applied in the vast majority of all vehicles. BILSTEIN's twin-tube absorbers, featuring "original equipment manufacturer" quality that has undergone rigorous testing, offer a marked improvement in driving characteristics with universal spare parts replaced in a timely and efficient manner.

- Oil or gas pressure technology
- Only tested, OEM quality is provided
- A favourably priced alternative at the highest level
- Technology transfer from series production

The perfect balance in no time at all.



BILSTEIN round threads

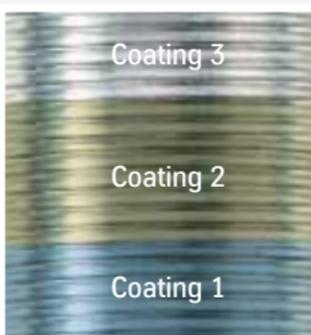
To ensure that you can fine-tune your vehicle exactly how you want it, our threaded ride height adjustable kits are easy to adjust – even when they're installed. Allowing you to find the perfect balance for your vehicle.

- The special thread has no sharp edges that could be open to aggressive environmental influences
- The secured aluminium spring plates ensure the utmost level of safety
- The right hook spanners are provided in the scope of supply



BILSTEIN-Triple-C-Technology®

Our 3-layer coating system, developed especially with threaded ride height adjustable kits in mind, guarantees high-quality, enduring corrosion protection.



Coating 1: The special zinc alloy ensures excellent adherence to the base material, and forms the basis for long-lasting corrosion protection.

Coating 2: The middle coating transforms the zinc layer into a closed-formation, homogenous surface.

Coating 3: Not only is the top coat aesthetically pleasing, it also provides additional, long-term protection against mechanical wear and corrosion. Endurance tests to DIN 50021 SS also testify to this: for our material, being subjected to salt spray for over 600 hours is like water off a duck's back – compare that with the 418 hours boasted by stainless steel.

As individual as you are.



Threaded body adjustable range

Just as no two vehicles are the same, each driver has their own unique style too. As a result, our threaded ride height adjustable kits even enable you to alter the height of your vehicle when they are installed.



- Spring plates and lock nuts made from a special aluminium alloy ensure maximum stability at a minimum weight
- Specially developed round threads and coating technology for easy adjustment by up to 20 mm with German TÜV certificate
- Perfect pre-tensioning of sport springs made from highly durable material, at each setting and in every situation, for solid driving characteristics



Air suspension

BILSTEIN is a technology leader in the air suspension technology sector and the first choice in replacement series. Unlike mechanical suspensions, air suspensions can also in the case of high loads, still maintain familiar driving level – and moreover over the entire vehicle life.

The higher load is compensated by a correspondingly higher counter-pressure in the bellows. This as such provides for unparalleled dynamics of vehicle movement.

- Seamlessly instantaneous adaptation to the street and vehicle condition
- Excellent comfort and perfect driving characteristics
- Constant damping power under any load
- High reserve capacity for maximum safety

Alteration of the vehicle ride height: A matter of character.

Ride height change

A multitude of tests involving a wide variety of equipment helps our test engineers determine what the perfect lowering height should be. During this process, we consider aerodynamics, residual spring travel, driving characteristics, comfort, suitability for everyday use, behaviour in limited applications, and aesthetics.



Reducing / increasing the vehicle suspension clearance

Our custom-made kits for the alteration of the vehicle ride height consist of shock absorbers with associated suspension springs.



Goes with lowering kits / body lift kits

Shock absorbers can be suitable combined with existing kits, in order to achieve a suspension clearance reduction or else increase.



The perfect settings for every setting.

It's all about the setting

Take the children to school in the morning, go to the shops in convenience and comfort in the afternoon – and get the most out of every curve in the road in between. For drivers who don't want to compromise on comfort or sportiness, our engineers have developed the perfect technology.

- Characteristic curve pairs given a multitude of road tests
- Driving characteristics settings that suit individual needs perfectly



1-way adjustment

- Parallel setting of the rebound and compression phases using one adjuster
- Setting possible by simply turning the adjuster on the shock absorber with the unit in situ



2-way adjustment

- Separate adjustment of the rebound and compression phases using two adjusters
- Setting possible by simply turning the two adjusters on the shock absorber with the unit in situ
- Setting the position of the shock absorber (below)
- 100 setting variations that can be experienced and manually selected with tangible differences
- Adjuster with clearly visible and easy-to-read scale from 1 (soft) to 10 (hard)



SOFT / COMFORT



HARD / SPORT

BILSTEIN®



You can never get enough of some good things. Like experience, for example.



Road-tested by BILSTEIN

To achieve that celebrated BILSTEIN driving experience, our BILSTEIN engineers rely on not only technology that is truly at the cutting edge, but also something that has withstood the test of time: how it feels to the driver. As a result, all of our high-performance absorbers, as well as our sport suspensions and threaded ride height adjustable kits, undergo a rigorous testing programme. On the Nürburgring and in our own test centre at the Papenburg test track, our drivers test how balanced the driving characteristics of various vehicles are in a variety of different driving situations. Only when they have passed this programme of tests with distinction are they allowed to bear the BILSTEIN name. This way, we can guarantee that celebrated BILSTEIN driving experience.

BILSTEIN-TECHNOLOGY *tested on*
NÜRBURGRING-NORDSCHLEIFE



BILSTEIN Vehicle suspension control: Uncompromising dynamics.

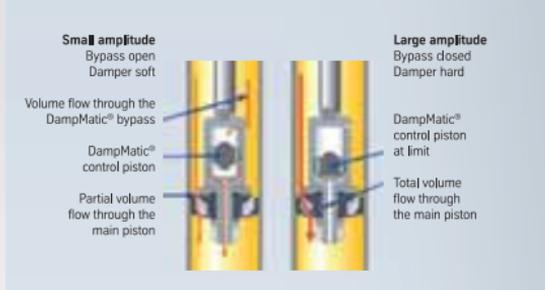


DampMatic®

As factory-fitted to many Mercedes Benz models, the BILSTEIN DampMatic® range offers exceptional levels of safety and control. Limousine levels of ride quality and instant chassis

response come from the unit's automatic damping force adjustment. Under spirited driving, the damper rate firms up for total driving enjoyment and enhanced vehicle stability. At lower speeds and on smoother surfaces, the suspension remains compliant and cossetting. The best of both worlds to ensure your vehicle is ready for every driving situation. Enjoy the comfort and control of BILSTEIN.

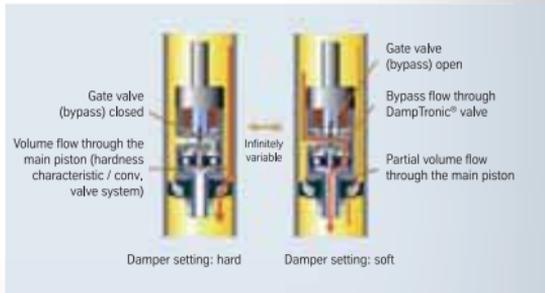
- For all vehicles that are equipped with DampMatic® as a standard.



DampTronic®

BILSTEIN DampTronic® is an active damping system that integrates seamlessly with the OEM electronics on your car. As a Plug & Play solution it works perfectly with any factory-fitted adjust-

ment systems, offering peerless driving dynamics. In-built sensors monitor vibrations and movement, immediately relaying dynamic information to your car's ECU – and then instantaneously through to each damper, adjusting it to your driving situation. Whether you're flat-out on track or cruising the highway, you will always have optimum traction, stability and safety.



Control not only your vehicle, but also your vehicle suspension!



ridecontrol®

Experience the ultimate in driving pleasure and get the most out of every curve. BILSTEIN ridecontrol® allows you to adjust the performance of your suspension system on the move, allowing it to adapt to any driving situation in an instant. Switch instantly from 'Comfort' to 'Sport' at the touch of a button, where Comfort smooths out bumps and undulations and Sport offers peerless driving dynamics and high damping reserves at the stability limit. With BILSTEIN ridecontrol®, there are simply no compromises. You get the complete package and are always in total control.

- An electric system enables adjustment by pressing a button on the dashboard
- Seamlessly instantaneous switching from the comfortable "Normal" mode to the ambitious "Sport"-Setting





iRC®

The BILSTEIN-App for active suspension control.

- Comfortable and individual suspension setting via smartphone
- Precision adjustment of the three preset auto-modes (Comfort, Normal and Sport) by varying the acceleration thresholds, switching times and filter parameters to create an individual suspension setting
- Storage of individual suspension settings possible
- Compatible with all BILSTEIN RC suspensions



The Full Range



BILSTEIN B1

Perfectly tailored.

Any shock absorber is only as good as the equipment around it. So when you're replacing shock absorbers, make sure you have the right service parts. Replacing bump stops and dust tubes is an absolute must.

The product benefits at a glance:

- All components designed to suit our BILSTEIN shock absorbers, down to the last detail
- Wide range of support bearings for almost every type of car
- Original BILSTEIN service parts with the high level of OEM quality that is expected from us



BILSTEIN®



BILSTEIN B2

This is how simple quality can be.

Our BILSTEIN B2 oil dampers are cost-effective alternatives for timely and efficient repair work.

The product benefits at a glance:

- Only tested, OEM quality is provided
- A favourably priced alternative at the highest level
- Technology transfer from series production



BILSTEIN B3

If you're looking for quality, look no further.

By choosing BILSTEIN springs, you're backing an uncontested champion: a successful motor sports fitter and a leading original equipment manufacturer of automotive springs.

The product benefits at a glance:

- Innovative technical designs, such as Pigtail ends, Minibloc forms and central force design
- High-quality chrome vanadium or chrome silicone steel for an extremely high level of break resistance
- Seated after forming process to prevent heat losses
- Careful surface compression and coating for a long service life
- Uncompromising OEM quality



BILSTEIN B4

Power under pressure.

The original and best: For over 55 years now, the original mono-tube gas pressure shock absorbers have come from their founding source – BILSTEIN – and used in practically every car model of recent decades.

The product benefits at a glance:

- Constant damping power under any load
- High power reserves for maximum safety
- Drive as though it's the first time, every time
- High OEM quality
- BILSTEIN gas pressure technology



BILSTEIN B4 Air Suspension Module Like driving on a cloud.

Working together with Mercedes-Benz, our engineers have developed a top-of-the-range suspension for top-of-the-range models: the air suspension system. The Mercedes-Benz S-Class has this system to thank for its famed driving comfort – not to mention the fact that it is one of the world's first series production vehicles to be equipped with active springs and absorbers.

The product benefits at a glance:

- High OEM quality
- BILSTEIN gas pressure technology
- Lightning-quick reactions to road and vehicle conditions
- Excellent comfort and perfect driving characteristics



BILSTEIN B6

Performance you can feel.

If you expect more damping power from your shock absorber – even under loads – but don't want to opt for an all-out sports model, the BILSTEIN B6 is the ideal solution.

The product benefits at a glance:

- Increased power reserves and service life, even when pulling transporters and trailers or during frequent journeys with loads
- Optimum adhesion and enhanced lane change stability in both day to day and extreme situations
- Marked improvement in safety and sportiness without additional spring changes (lowering)
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Upside-Down technology, made in Germany
- Road-tested by BILSTEIN and fine-tuned
- No German TÜV registration required



BILSTEIN-TECHNOLOGY tested on
NÜRBURGRING-NORDSCHLEIFE



BILSTEIN B6 Offroad

For off-road performance too.

For off-road vehicles, we offer a version of the BILSTEIN B6 that is adapted to special requirements. The precise settings reduce uncontrolled movements by the high structure and increase steering precision and the suspension's load carrying capacity, as well as guaranteeing more vehicle control and, therefore, safer handling and better traction.

The product benefits at a glance:

- Greater performance reserves and service life, even when towing or in off-road applications
- Optimum adhesion and enhanced lane change stability in both day-to-day and extreme situations
- Marked improvement in safety and performance without additional spring changes (standard springs can be used)
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Up-side-Down technology, made in Germany
- Road and track tested by BILSTEIN for fine tuning
- No German TÜV registration required



BILSTEIN B8

Performance you can feel and see.

What lowering or sport springs are to aesthetics, BILSTEIN B8 is to performance!

The product benefits at a glance:

- Shortened high-performance shock absorbers for virtually every lowering spring set and series production sport vehicles
- Marked improvement in safety and performance with additional spring changes (lowering)
- Sporty approach with high level of comfort
- Precision handling and optimised vehicle control
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Upside-Down technology, made in Germany
- Road-tested by BILSTEIN and fine-tuned



BILSTEIN-TECHNOLOGY tested on
NÜRBURGRING-NORDSCHLEIFE



BILSTEIN B8 Offroad

Performance at a higher level.

The ideal shock absorber for increased ground clearance and optimum adhesion. The freedom to find enjoyment off the beaten track.

The product benefits at a glance:

- Greater performance reserves and longer service life even when towing trailers and in off-road applications
- Optimum traction and increased directional stability both in everyday and extreme driving situations
- Noticeably improved safety
- Can be combined with suspension lift kits
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Up-side-Down technology made in Germany
- Road-tested and fine-tuned by BILSTEIN



BILSTEIN B12 Pro-Kit

The choice of professionals.

If you're looking for the perfect combination of a superior appearance, sporty dynamics and high performance, you're on exactly the right track with this sport suspension.

The product benefits at a glance:

- Professional Cornering System PCS
- Precise response, excellent driving performance and high reserves of safety
- Lowering up to 40 mm
- EIBACH Pro-Kit performance springs with progressive characteristic
- Springs and shock absorbers road-tested and fine-tuned to complement one other perfectly
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Up-side-Down technology
- German TÜV certificate
- Made in Germany



BILSTEIN B12 Sportline

Sporty look and technology for great performance.

You will impress others with the sporty lowering – and yourself with the fantastic handling: precise responses, dynamics and comfort rolled into one.

The product benefits at a glance:

- Professional Cornering System Sport PCSS
- Direct response, good driving performance and sporty look
- Lowering up to 50 mm
- EIBACH Sportline Performance sports springs with progressive characteristic
- Springs and shock absorbers road-tested and fine-tuned to complement one other perfectly
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/UpSide-Down technology
- German TÜV certificate
- Made in Germany



BILSTEIN B14

Sport makes you flexible.

With the BILSTEIN B14 threaded ride height adjustable kit, we're bringing technology from the race track onto the street.

The product benefits at a glance:

- Threaded body adjustable range of 20 mm at both axles, while installed
- Lowering of approx. 30-50 mm at front and rear
- Road-tested by BILSTEIN under motor sports conditions and fine-tuned
- Spring plates and lock nuts made from a special aluminium alloy
- Surface coating using Triple-C-Technology® for long-lasting corrosion resistance
- Round threads for perfect handling
- Quality sport springs made from highly durable material
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Upside-Down technology, made in Germany
- German TÜV certificate



BILSTEIN-TECHNOLOGY tested on
NÜRBURGRING-NORDSCHLEIFE



BILSTEIN B16

Driving enjoyment – it's all about the setting.

The new power class created by BILSTEIN engineers aims to achieve the ultimate in driving enjoyment based on individual requirements.

The product benefits at a glance:

- Damper setting in situ
- Nominal adjustment range of 20 mm at both axles when installed
- Lowering of approx. 30-50 mm at front and rear
- Road-tested by BILSTEIN under motor sports conditions and fine-tuned
- Disc springs and lock nuts made of a special aluminium alloy
- Surface coating using Triple-C-Technology® for long-lasting corrosion resistance
- Round threads for perfect handling
- Quality sport springs made from high-strength material
- BILSTEIN gas pressure technology
- BILSTEIN mono-tube/Upside-Down technology made in Germany



BILSTEIN-TECHNOLOGY tested on
NÜRBURGRING-NORDSCHLEIFE



BILSTEIN Clubsport

Racing and road driving united.

The BILSTEIN Clubsport suspension kit is a fully street-legal, TÜV-certified high-end coilover package that is also designed for uncompromising use in the fields of racing and clubsport. The suspension combines the tried-and-tested BILSTEIN mono-tube gas pressure technology with the highest levels of engineering from the field of motor sport.

The product benefits at a glance:

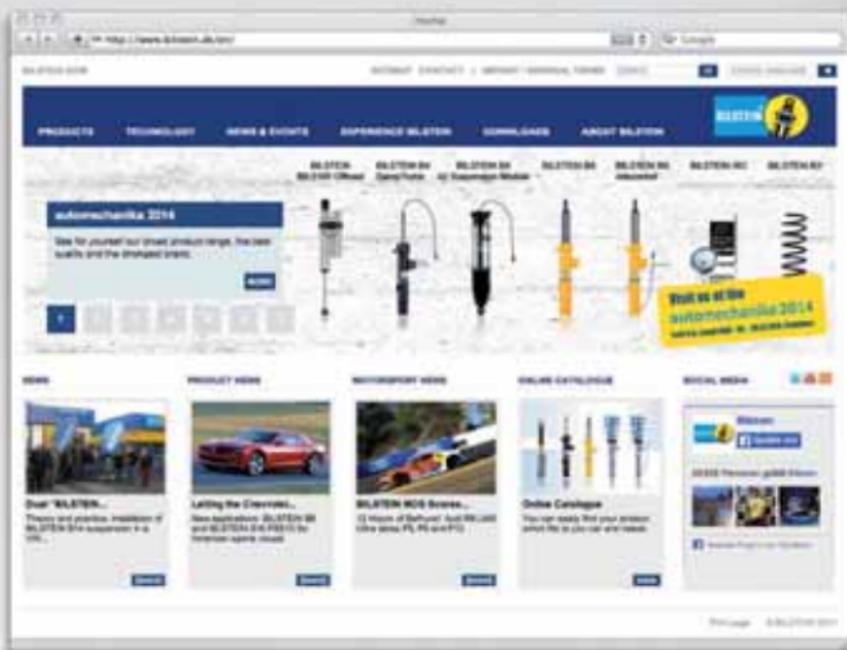
- Separate adjustment of the rebound and compression phases using two adjusters
- 100 setting variations that can be experienced and manually selected with tangible differences
- Aluminium adjusters with clearly visible and an easy-to-read scale from 1 (soft) to 10 (hard) on the shock absorber
- Positive engagement and colour-coding: Red for rebound phase, blue for compression phase
- Simple set-up changes in installed state without additional tools
- Camber adjustment with uniball supporting bearing
- Weight and installation space advantages thanks to integrated reservoir
- Quality sport springs made from high-strength material
- Disc springs and lock nuts made of a special aluminium alloy
- Aluminium uniball supporting bearing
- Highest force closure by BILSTEIN mono-tube gas pressure technology from the field of motorsport: "Made in Germany":
- Surface coating using Triple-C-Technology® for long-lasting corrosion resistance
- Basis for further customisation for use in racing
- Street-legal: German TÜV certificate



BILSTEIN-TECHNOLOGY tested on
NÜRBURGRING-NORDSCHLEIFE



Always there for you. Also online.



You will find further information about our products and our company at our website at www.bilstein.com.



The BILSTEIN online catalogue offers a quick and easy solution to find the right product for your vehicle.



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