



Bilstein also offers a full line of original equipment replacement shocks and struts for passenger car, pickup, SUV and recreational vehicle applications. To learn more, please see the Bilstein Shock Absorbers full line brochure.

Bilstein has dominated off-road racing since 1974 when the first set ran the Baja 1000 on a buggy. Now, Bilstein offers a variety of shocks for lifted trucks, rock crawlers, recreational buggies and full blown racing applications. See our Off-Road Shocks brochure for more information.

To locate a Bilstein retailer in your area, call toll free or visit us online:

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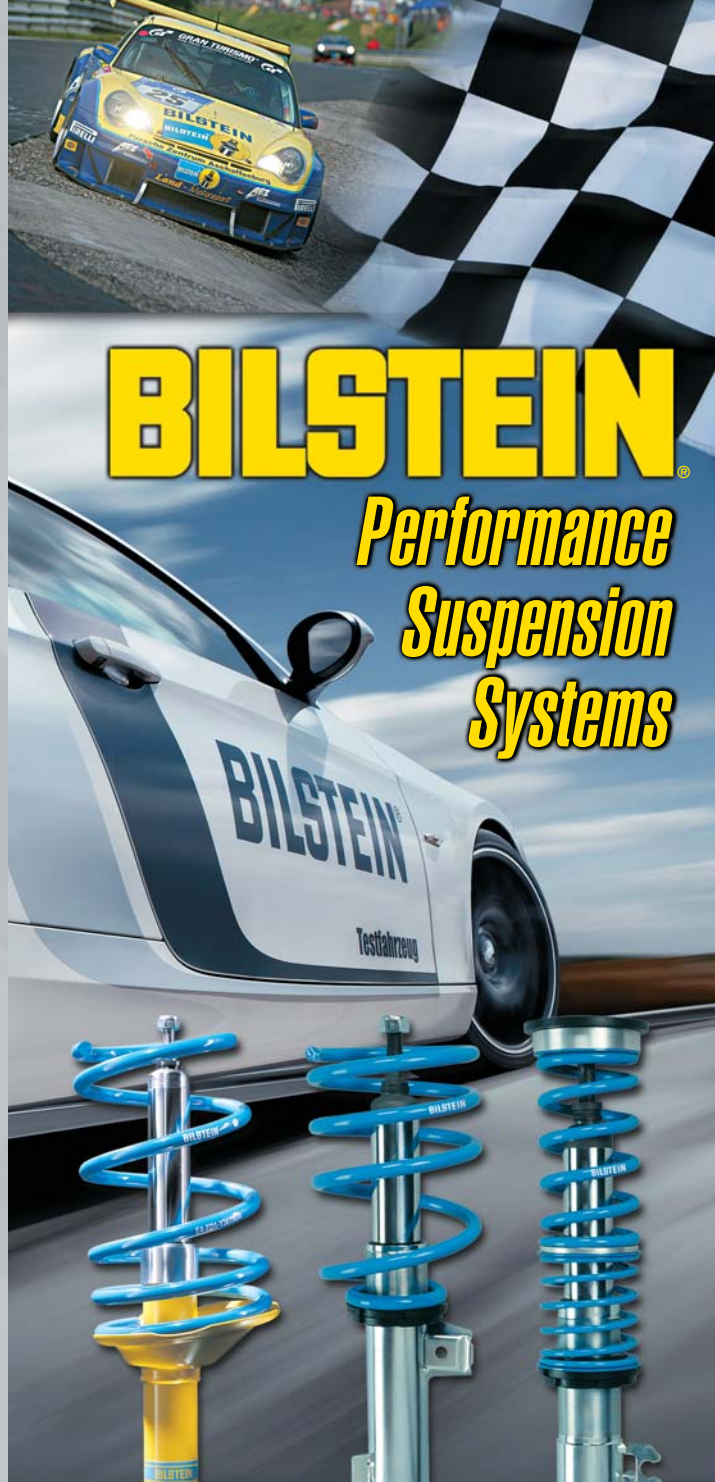
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Bilstein Gas Pressure Shock Absorbers  
ThyssenKrupp Bilstein of America



# BILSTEIN

## Performance Suspension Systems

# BILSTEIN

## SHOCKS AND STRUTS

From hot street performance to competition ready...



### BILSTEIN Inverted Tube Technology

Originally designed for motorsports applications, Bilstein's inverted tube technology utilizes the same technological design advantages as our gas pressure shock absorbers. The Bilstein monotube strut insert is installed with the piston rod at the base of the strut tube. Here the rod is completely protected from road contamination of any kind. The large wear-resistant hard-chromed tube travels up and down through low-friction linear bearings. This distributes the supporting and lateral forces over a wide area to provide exceptional stability.

Bilstein's inverted struts are engineered to provide maximum performance characteristics along with exceptional driver comfort.

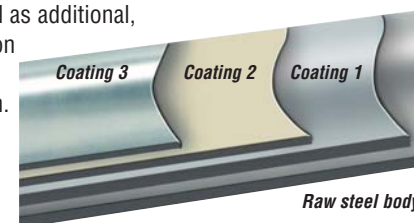
### BILSTEIN Triple-C Technology®

Bilstein's new triple coating process on the B14, B16 and Bilstein Electronic ridecontrol® provides a long lasting, great looking high luster finish.

**Coating 1:** The special zinc alloy ensures excellent adhesion to the base material and is the base for sustained corrosion protection.

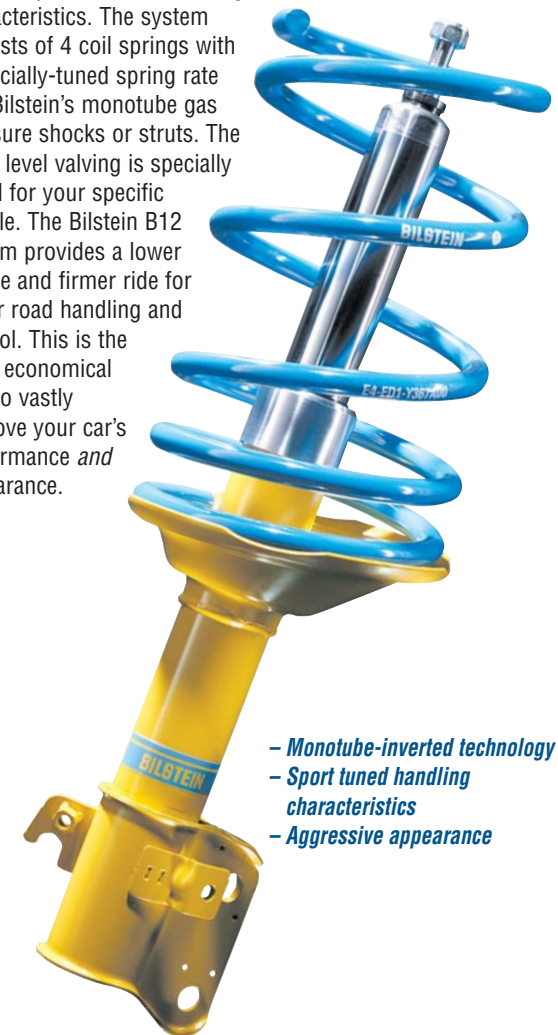
**Coating 2:** The middle coating transforms the zinc layer into a sealed homogenous smooth surface.

**Coating 3:** The top coat is the final step providing the high luster finish as well as additional, long-term protection against mechanical wear and corrosion. Over 600 hours DIN 50021 SS salt spray test.



### Bilstein B12 – BTS Tuning System

The BTS system provides a dramatic increase in your vehicle's performance handling characteristics. The system consists of 4 coil springs with a specially-tuned spring rate and Bilstein's monotube gas pressure shocks or struts. The sport level valving is specially tuned for your specific vehicle. The Bilstein B12 system provides a lower stance and firmer ride for better road handling and control. This is the most economical way to vastly improve your car's performance and appearance.



- Monotube-inverted technology
- Sport tuned handling characteristics
- Aggressive appearance



## Bilstein B14 – PSS System

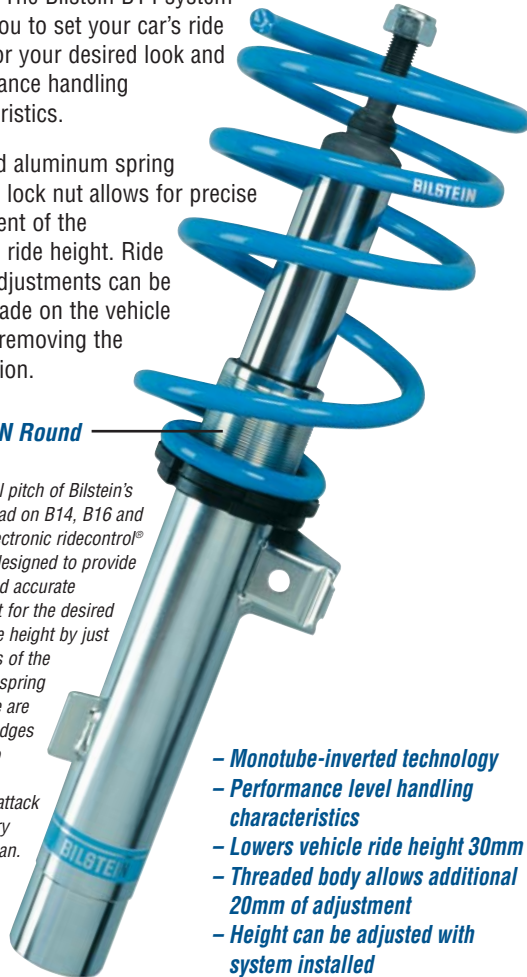
This system features both coilover and standard monotube gas shocks with performance level valving along with application specific, progressive rate coil springs. The Bilstein B14 system allows you to set your car's ride height for your desired look and performance handling characteristics.

The solid aluminum spring seat and lock nut allows for precise adjustment of the vehicle's ride height. Ride height adjustments can be easily made on the vehicle without removing the suspension.

### BILSTEIN Round Thread

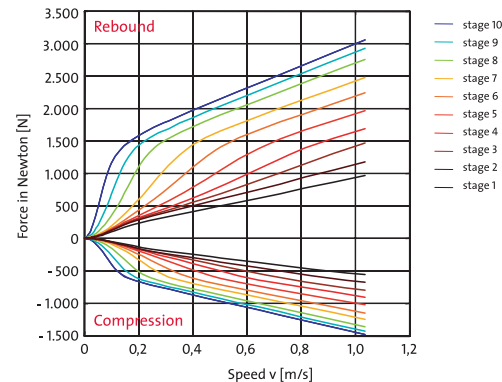
The special pitch of Bilstein's round thread on B14, B16 and Bilstein Electronic ridecontrol® bodies is designed to provide smooth and accurate adjustment for the desired vehicle ride height by just a few turns of the aluminum spring seat. There are no sharp edges exposed to aggressive corrosion attack and it's very easy to clean.

- Monotube-inverted technology
- Performance level handling characteristics
- Lowers vehicle ride height 30mm
- Threaded body allows additional 20mm of adjustment
- Height can be adjusted with system installed



## Bilstein B16 – PSS9/PSS10 System

This "race inspired" system provides the ultimate in high performance tuning. The manually adjustable damping monotube gas shock absorbers feature 9 or 10-stage precise compression and rebound settings, from comfort to competition. The threaded body allows accurate adjustability of the front and rear progressive rate springs to achieve the vehicle ride height, center of gravity and level of performance handling desired.



This chart illustrates the range of damping characteristic curves on the PSS10 system

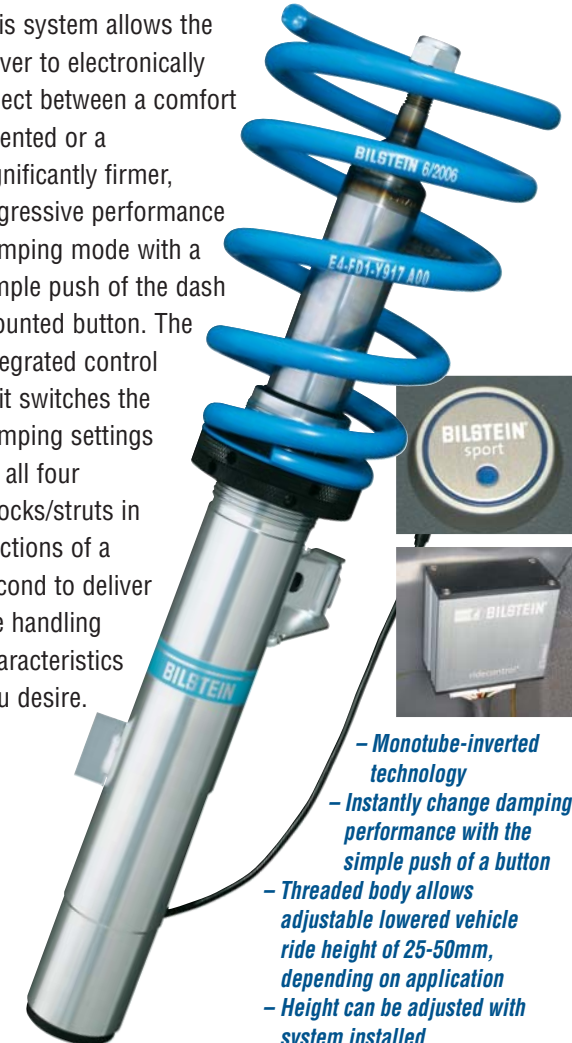
The Bilstein B16 system puts you in complete control providing the kind of precise suspension tuning formerly available only on race cars. From a weekend of competition to daily driving, this system provides perfect handling performance for every situation.



- Monotube-inverted technology
- Manual 9 or 10-stage compression/rebound damping rate adjustment
- Lowers vehicle ride height 30mm
- Threaded body allows additional 20mm of adjustment
- Both height and damping adjustments can be made with system installed

## Bilstein Electronic ridecontrol®

This system allows the driver to electronically select between a comfort oriented or a significantly firmer, aggressive performance damping mode with a simple push of the dash mounted button. The integrated control unit switches the damping settings on all four shocks/struts in fractions of a second to deliver the handling characteristics you desire.



- Monotube-inverted technology
- Instantly change damping performance with the simple push of a button
- Threaded body allows adjustable lowered vehicle ride height of 25-50mm, depending on application
- Height can be adjusted with system installed