



Bilstein also offers Performance Suspension Systems for many popular sport compacts and performance vehicles. The B12, B14 and B16 kits include shocks or struts and springs tuned for performance driving. Some kits feature both ride height and damping adjustability. Get the Performance Suspension System literature to find out more.

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 literature for more information.

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

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Bilstein Gas Pressure Shock Absorbers
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BILSTEIN[®] SHOCKS AND STRUTS



**The World
Leader In
Monotube
Gas Pressure
Shock Absorber
Technology**

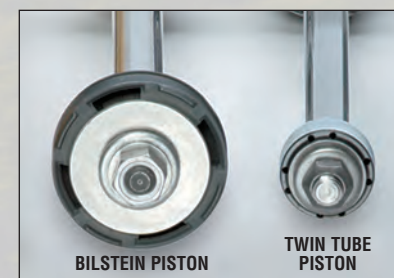
Superior Design from Advanced Technology

Bilstein has always been a driving force in the development of automotive suspension technology. We introduced the world's first monotube gas pressure shock absorber and no other shock manufacturer has been able to equal the performance and enhanced ride characteristics or broad range of applications. From worldwide motorsports competition, to original equipment on the finest sedans, trucks, SUVs and motorhomes; Bilstein Gas Pressure Shock Absorbers have proven to be the best...unbelievable control, precise handling, incredible comfort and durable performance.

The Advantage of Bilstein's Monotube Design

Heat is one of the major detriments to the performance and longevity of any shock absorber. Conventional designed shocks trap the heat within the shock body and do not let it adequately dissipate, making them prone to heat build up, fade and eventual failure.

Bilstein's technically superior, monotube gas charged design allows the excessive heat from the oil to transfer to the outer surface of the shock body and dissipate more efficiently. Gas pressure on the dividing piston exerts force on the oil column which prevents aeration (foaming) and viscosity loss. This allows the shock to maintain full damping characteristics under all conditions.



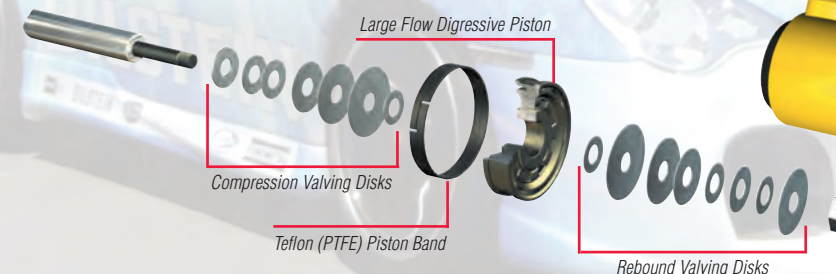
Monotube VS. Twin Tube Shock Design

The photo on the left dramatically illustrates the size difference between the working piston inside a Bilstein monotube shock and one found in a typical "twin tube" shock.

The Bilstein piston has 228% larger surface area than the average conventional twin tube piston offering greater sensitivity and superior vehicle control.

Digressive Working Piston Assembly

The piston head design allows independent tuning of the compression and rebound damping forces to provide optimum ride comfort and performance without compromise. It features fewer parts than most conventional twin tube and so called "road sensing" shock designs. This simple, yet exceptionally functional digressive design contributes to the extreme durability and long life of Bilstein shock absorbers.



**One Piece Aluminum
Rod Guide & Seal**
Keeps dirt out and
maintains a nearly
friction-free surface for
longer life.

**Massive Self-Adjusting
Digressive Piston**
Instantly reacts and adjusts for
any condition...smooth road,
rough road or no road. Provides
maximum vehicle body motion
control while maintaining
superior comfort.

**Bilstein's Industry Leading
Monotube Design**
Provides superior tube strength while
maximizing heat dissipation and
shock life.

**High Pressure Nitrogen Gas
& "Floating" Dividing Piston**
Eliminates the possibility of oil foaming
and performance loss.

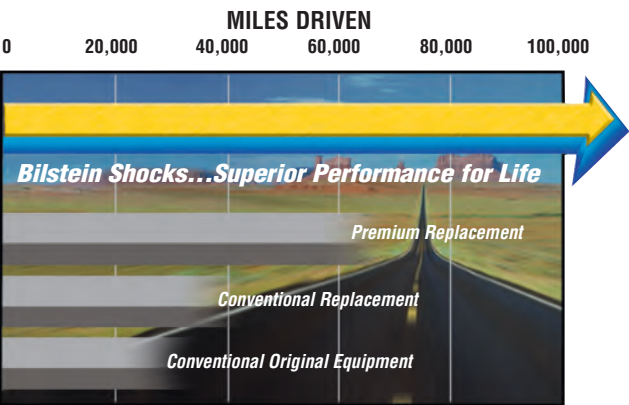
Bilstein Gas Pressure Shock Absorbers
ThyssenKrupp Bilstein of America



BILSTEIN® Monotube Gas Pressure Shocks and Struts are the Least Expensive, Fastest Way, to dramatically Improve the Ride, Handling and Control of Any Vehicle



Bilstein Shock Absorbers and Struts provide a level of vehicle control, handling performance, comfort and safety that is without equal. That's because our engineers and shock technicians spend endless hours designing and developing the proper valving. They then conduct extensive ride tests to ensure the vehicle handling characteristics are tuned exactly for your specific application. Regardless of vehicle type, when it comes to overall ride quality, no other shock manufacturer can match the degree of perfection that Bilstein has to offer.



Passenger Cars...Sports cars to family sedans, every passenger car has its own unique ride and handling characteristics. However, when it comes to delivering a premium ride and superior performance, there can be only one choice, **BILSTEIN**.

Bilstein shocks and struts provide the necessary damping to react quicker to road conditions without sacrificing ride comfort. This keeps the tires in constant contact with the road helping to ensure the highest level of vehicle control.

In some cases, there may be a choice of valving types or suspension systems to better suit your driving style and the level of sport performance you desire. Bilstein even manufactures a line of shocks specifically tailored to the needs of street rods, customs and the muscle cars of the 60s and 70s.

Pickups & SUVs...Due to their larger tires, greater overall weight and increased load carrying capability, these vehicles place extra demands on a shock absorber's damping ability. Bilstein's monotube design and patented deflective disc split valving is uniquely suited to confront these demands. On road or off, loaded or unloaded, Bilstein shocks instantly react to changing road inputs to maintain a stable, controlled and comfortable ride.

Bilstein and trucks have always been a winning combination. From the famous Dakar rally to the grueling Baja 1000, our off-road racing performance is legendary. And every shock we build is filled with the knowledge we've gained from decades of crossing the finish line first. From original equipment replacement to lifted or custom off-road applications, Bilstein has the right shock for it.

Recreational Vehicles...RV suspensions are often designed around old twin tube shock technology causing them to be a real handful to drive. You can dramatically change that by upgrading to Bilstein shocks. Bilstein's monotube gas pressure design provides you with a precise and compliant ride.

Bilstein shock absorbers virtually eliminate the excessive sway and bouncing down the road associated with conventional shocks, making RVs more stable, easier to handle and ride better than ever before. This is why many of the top RV manufacturers have chosen Bilstein shocks as original equipment. For any class of motorhome or fifth wheel tow vehicle, Bilstein shocks are simply the best choice.

The best value for a lifetime...Of all a vehicle's suspension components, nothing works harder than the shocks and struts, making it critical to pick the right ones. Conventional shocks slowly lose efficiency and eventually fail over a period of time causing excessive tire and suspension component wear. Bilstein shocks continue to deliver optimum performance for life. Bilstein gives you the confidence of our lifetime aftermarket warranty.

On road or off road, luxury sedans to hot rods, lifted trucks to rock crawlers, sprint cars to Baja race trucks, original equipment replacement to fully custom...no other shock manufacturer can match Bilstein's selection and broad range of applications...

