

BILSTEIN®

OFF-ROAD SHOCKS



LIFTED TRUCKS • SUVs • OFF-ROAD RACING

SETTING THE PACE FOR OVER 40 YEARS

BILSTEIN introduced the very first monotube gas pressure shock absorber to the extremely challenging world of off-road racing. It didn't take long for Baja racers to recognize the superior performance that this new technology provided and the wins started stacking up. In fact, most of off-road racing's renowned drivers have won on BILSTEIN shocks.

After 40 years of evolving monotube shock technology, the winning tradition continues, not only in Baja, but throughout the entire world of off-road racing. Every BILSTEIN off-road shock featured in this catalog is a true monotube high pressure gas shock; no emulsion, no foam cells, just performance. From the new 9200 Series for professional off-road racing, to the new 6112 Series 60mm shock for your lifted truck or SUV, count on BILSTEIN to deliver the terrain-taming performance you're looking for. After all, we've been the leader since the very beginning.

DIRECT FIT PRODUCTS.....	04
5100 SERIES	07
5100 RIDE-HEIGHT ADJUSTABLE	08
5160 SERIES	10
6112 SERIES	11
DIRECT FIT APPLICATIONS.....	12
 CUSTOM FIT PRODUCTS.....	21
5125 SERIES	22
5165 SERIES	22
7100 CLASSIC SERIES	23
7100 SERIES	24
8125 SERIES	25
CUSTOM FIT APPLICATIONS.....	26
 PROFESSIONAL RACING PRODUCTS.....	31
9200 SERIES	32
BLACKHAWK® 9300 SERIES	34
PROFESSIONAL RACING APPLICATIONS.....	36
 ACV AND BUMP STOP.....	38
 WARRANTY AND SERVICE.....	39



Official shock of:



DIRECT FIT
LIFTED TRUCK & SUV

- 5100 Series <
- 5100 Ride-Height Adjustable <
- 5160 Series <
- 6112 Series <

DIRECT FIT

TECHNOLOGY

The Technology of BILSTEIN's Monotube Design

Heat is one of the major detriments to the performance and longevity of any shock absorber. Conventional twintube 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.

By contrast, BILSTEIN's superior monotube high gas pressure design allows the excessive heat from the oil to transfer to the outer surface of the shock body and dissipate more efficiently. The dividing piston also permits the oil to expand as heat builds, preventing aeration (foaming) and viscosity loss. This allows the shock to maintain full damping characteristics as temperatures rise.

Pressure Differentials

Shock oils contain roughly 10% gas molecules. The compression and rebound strokes of the shock piston in the oil column cause pressure differentials. When the piston rod is forced quickly into the shock tube, the pressure increases in front of the piston and decreases behind it.

These pressure differentials release gas molecules from the oil column which forms small bubbles (foaming). The foaming can become so excessive that damping force is severely reduced. The shock becomes unresponsive with a corresponding loss of vehicle control.

In a monotube gas pressure shock absorber, the nitrogen is separated from the oil by a dividing piston. This keeps the oil column under pressure at all times to prevent the release of gas molecules while enabling the shock to deliver consistent performance under all driving conditions.



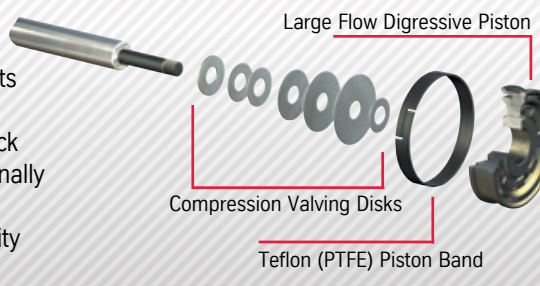
Monotube vs. Twintube Shock Design

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 twintube shock.

BILSTEIN's piston has 228% larger surface area than the average conventional twintube piston offering greater sensitivity and superior vehicle control.

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 twintube and so-called "road sensing" shock designs. This simple, yet exceptionally functional digressive design contributes to the extreme durability and long life of BILSTEIN shocks.

BILSTEIN's Digressive Working Piston Assembly



Hard Chrome Piston Rod
Features a super finished hard chrome plated surface with a maximum peak-to-valley measurement of .0002mm.

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

Self-Adjusting Digressive Piston
Instantly reacts and adjusts for any condition. 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
Nitrogen gas maintains constant pressure against the low mass "floating" dividing piston and column of hydraulic oil, eliminating the possibility of oil foaming and performance loss.



5100 SERIES

DIRECT FIT

5100 SERIES Monotube Gas Pressure Shock Absorber for Lifted Trucks, Jeeps and SUVs

Due to their larger tires and a heightened stance, lifted vehicles place extra demands on a shock absorbers damping ability. The 5100 monotube design and patented digressive valving is uniquely suited to confront these demands. On or off-road, loaded or unloaded, BILSTEIN shocks instantly react to changing road inputs to maintain a stable, controlled, and comfortable ride.

Product Highlights

- > 46mm monotube design for consistent fade-free performance
- > Patented digressive valving instantly reacts to changing surface conditions for maximum comfort, and control on and off-road
- > Vehicle specific tuning optimizes performance for ride and handling
- > OEM certified mounting hardware allows for easy installation
- > Zinc plated for resistance to harsh elements
- > Black boot included
- > Made in the USA
- > Limited Lifetime Warranty

Watch Video:



OEM Certified Shock Mounts

Each 5100 Series has extremely durable and long lasting vulcanized neoprene rubber bushings with vehicle specific sleeves or cast crossbars.



5112 Series (kit)*

Levels vehicle, increases ground clearance, and allows for larger diameter tires. Kit includes (2) front 5100 shocks and (2) custom tuned springs to enhance vehicle control.

*5112 Series available for 05-'15 Ford F-250/F-350 4x4

Contact your BILSTEIN distributor for additional applications.



DIRECT FIT

5100 RIDE-HEIGHT

5100 RIDE-HEIGHT

DIRECT FIT



Designed to level out the front end of half-ton trucks and SUVs equipped with OEM coilover suspension.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Extremely affordable and practical alternative to coil spring spacers, with the benefit of BILSTEIN's superior monotube design
- > Increases suspension travel
- > Utilizes the vehicle's stock front coil springs
- > Vehicle specific tuning for maximum performance
- > Made in the USA
- > Limited Lifetime Warranty

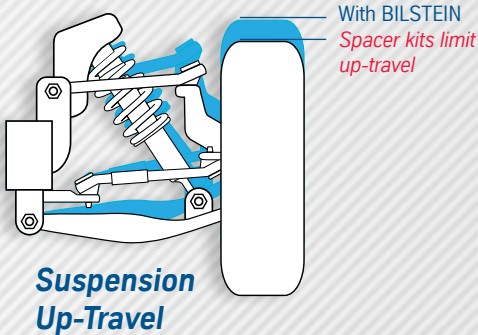
Adjustable Spring Perch

- > Levels and lifts vehicle 0" to 2.75" depending on application
- > Multiple snap-ring grooves allow for different spring seat positions
- > OEM specified snap-ring design



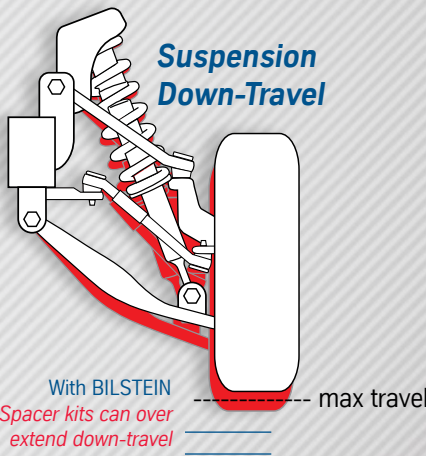
Read more on the advantages of the BILSTEIN 5100 Ride-Height Adjustable Shock

BILSTEIN 5100 Ride-Height Adjustable Shocks account for the shortcomings found in spacer kits:



Full stock suspension up-travel is maintained with the BILSTEIN 5100 Ride-Height Adjustable Shocks installed.

Up-travel is restricted when the shock assembly bottoms out with the strut extension spacer installed.



BILSTEIN 5100 Ride-Height Adjustable Shocks prevent over extension of the suspension.

Strut extension spacers can create over extended down-travel causing possible ball joint, CV joint, or driveline component damage.

DIRECT FIT

5160 SERIES

6112 SERIES

DIRECT FIT



5160 SERIES



Swivel Mount

Unique swivel banjo fittings allow for 360° of rotation.

Optional Aluminum Clamp

Optional billet aluminum reservoir mounting clamp available. Part #11-176015

Watch Video:



Similar to the 5100 Series, but with the added benefits of a remote reservoir resulting in increased wheel travel and improved long-term durability for off-road use.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Designed to easily install in the stock mounting locations
- > Unique digressive valving system instantly reacts to changing road surface conditions
- > Remote reservoir increases shock oil capacity for greater heat dissipation
- > Vehicle specific tuning for maximum performance
- > Increases wheel travel on most applications
- > Includes reservoir mount kit and detailed installation instructions
- > Made in the USA



6112 SERIES (kit)



60mm Digressive Piston

The 6112 Series optimizes on and off-road performance with a 60mm digressive piston for increased damping control.

Bottom Mount

Utilizes a high quality OEM lower mount for long-term durability and a perfect fit.

Watch Video:



Adjustable Spring Seat

Offers 0-2.5" of adjustable lift depending on the application.



Designed for the serious off-road adventure seeker, the all-new BILSTEIN 6112 Series kit is the ultimate suspension solution.

Product Highlights

- > Large 60mm monotube for increased oil capacity, cooling, and long-term durability
- > 60mm digressive piston for improved ride comfort and control over rough terrain
- > 18mm hard chrome piston rod
- > Custom engineered cold wound linear springs for enhanced vehicle control
- > Monotube design for consistent, fade-free performance
- > Application specific for maximum performance
- > Reuses OEM top mount and rubber isolator
- > Made in the USA
- > Limited lifetime warranty

Kit includes (2) front 60mm shocks, (2) spring seats and (2) springs.

DIRECT FIT

APPLICATIONS

Model	Year	Lifted Height		Front Shock			Rear Shock		
		Front	Rear	Part #	Series	Note	Part #	Series	Note
CHEVROLET TRUCKS & SPORT UTILITY VEHICLES									
4WD Pickups (Lifted Suspension)									
Silverado 1500	14-'15	0-1.8"	0-1"	24-238304	5100 R.H.A		33-238319	5100	
		0-1.8"	0-2"	Coming Soon	6112		Coming Soon	5160	
	07-'13	0-1.75"	0-1"	24-186940	5100 R.H.A	18	24-186957	5100	17
		0-1.75"	0-2"	Coming Soon	6112	18	Coming Soon	5160	
	99-'06	6"	4"	24-186940	5100 R.H.A	18	24-186636	5100	2
		0-2.5"	0-1"	24-186643	5100	99,19	24-186742	5100	99
		0-2.5"	0-2"	25-176407	5160	99,19	25-176414	5160	99
		4"	2"	24-185950	5100	99	24-191203	5100	2,99
		4"	0-2"	25-177411	5160	99	25-176414	5160	2,99
		6"	4"	24-185950	5100	99	24-186636	5100	2,99
		6"	4"	25-177411	5160	99	25-177428	5160	2,99
		6"		33-187112	5125	10			
		6"		33-185590	5125	10			
K1500	88-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
Silverado 2500HD / 3500HD	11-'15	0-1.5"	0-1"	24-196451	5100	19	24-196468	5100	
		0-1.5"	0-2"	25-196474	5160	19	25-196481	5160	
		4-6"	3-"4	24-218023	5100		24-218030	5100	2
		4-6"	3-5"	25-218190	5160		25-218206	5160	2
				33-196619	5100				
Silverado 1500HD / 2500 / 2500HD / 3500 / 3500HD	99-'10	0-2.5"	0-1"	24-186735	5100	19,94	24-186742	5100	94,95
		0-2.5"	0-2"	25-187618	5160	19,94	25-187625	5160	94,95
		4"	2"	24-187183	5100	94	24-191203	5100	2,94,95
		4"	2"	25-187687	5160	94	25-187625	5160	2,94,95
		6"	4"	24-187183	5100	94	24-186636	5160	2,94,95
		6"	3-5"	25-187687	5160	94	25-187694	5160	2,94,95
				33-174525	5100				
K2500 / K3500	88-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
K10 / K20	73-'87	3-4"	3-4"	24-187077	5100	2	24-187084	5100	2

4WD Sport Utility Vehicles (Lifted Suspension)									
1500 Tahoe/Suburban/Avalanche	07-'14	0-1.75"	0-1"	24-186940	5100 R.H.A.	97	24-187237	5100	97
			0-1"				25-177893	5160	97
	00-'06	0-2.5"	0-1"	24-186643	5100	19,97	24-187237	5100	96,97
		0-2.5"	0-1"	25-176407	5160	19,97	25-177893	5160	96,97
		4"	3"	24-185950	5100	97	24-185783	5100	2,96,97
		4"	3"	25-177411	5160	97	25-187625	5160	2,96,97
		6"	5"	25-177411	5160	97	25-187601	5160	2,96,97
		4-6"	5"	24-185950	5100	97	24-187237	5100	96, 97
		4-6"	5"	25-177411	5160	97	25-177893	5160	96,97
	92-'94	4-6"	2-4"	33-061399	5100		24-067379	5100	2
		4-6"	2-4"	33-061399	5100		24-067379	5100	2
	95-'99	4-6"	2-4"	33-061399	5100		24-185615	5100	2
		0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	97
	02-'06	0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	97
		0-2.5"	0-2"	25-187618	5160	19,97	25-187625	5160	97
Suburban 2500	00-'13			33-174525	5100				
		0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	97
		0-2.5"	0-2"	25-187618	5160	19,97	25-187625	5160	97
Suburban K1500 / K2500	92-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
		73-'91	3-4"	24-187077	5100	2	24-187084	5100	2

2WD Pickups (Lifted Suspension)									
Silverado 1500	14-'15	0-1.8"	0-1"	24-238304	5100 R.H.A		33-238319	5100	
		0-1.8"	0-2"	Coming Soon	6112		Coming Soon	5160	
	07-'13	0-1.75"	0-1"	24-186940	5100 R.H.A	18	24-186957	5100	17
		0-1.75"	0-2"	Coming Soon	6112	18	Coming Soon	5160	
	99-'06	6"	4"	24-186940	5100 R.H.A	18	24-186636	5100	2
		3"	0-1"	24-185400	5100	93,99	24-029032	4600	99
		6"	4"	24-185400	5100	93,99	24-191203	5100	2,99
		6"	5"	24-236942	5100	93,99	24-191203	5100	2,99
	88-'99	3"	0-1"	24-062107	5100	3	24-016988	4600	
		6"	3"	24-062107	5100	3	24-067379	5100	2
C1500									

APPLICATIONS

DIRECT FIT

Model	Year	Lifted Height		Front Shock			Rear Shock		
		Front	Rear	Part #	Series	Note	Part #	Series	Note
Silverado 2500HD / 3500HD	11-'15	0-1.5"	0-1"	24-196451	5100	19	24-196468	5100	
		0-1.5"	0-2"	25-196474	5160	19	25-196481	5160	
		4-6"	3-4"	24-218023	5100		24-218030	5100	2
		4-6"	3-5"	25-218190	5160		25-218206	5160	2
				33-196619	5100				
Silverado 1500HD / 2500 / 2500HD / 3500 / 3500HD	99-'10	0-2.5"	0-1"	24-186735	5100	19,94	24-186742	5100	94,95
		0-2.5"	0-2"	25-187618	5160	19,94	25-187625	5160	94,95
		4"	2"	24-187183	5100	94	24-191203	5100	2,94,95
		4"	2"	25-187687	5160	94	25-187625	5160	2,94,95
		6"	4"	24-187183	5100	94	24-186636	5160	2,94,95
		6"	3-5"	25-187687	5160	94	25-187694	5160	2,94,95
				33-174525	5100				

2WD Sport Utility Vehicles (Lifted Suspension)									
Avalanche / Suburban 1500 / Tahoe	07-'14	0-1.75"	0-1"	24-186940	5100 R.H.A	97	24-187237	5100	97
						97	25-177893	5160	97
	00-'06	0-2.5"	0-1"	24-186643	5100	19,97	24-187237	5100	96,97
		0-2.5"	0-1"	25-176407	5160	19,97	25-177893	5160	96,97
Crossmember Kit		4"	3"	24-185950	5100	97	24-185783	5100	2,96,97
Crossmember Kit		4"	3"	25-177411	5160	97	25-187625	5160	2,96,97
Crossmember Kit		6"	5"	24-185950	5100	97			
Crossmember Kit		6"	5"	25-177411	5160	97	25-187601	5160	2,96,97
Crossmember Kit		4-6"	5"	24-185950	5100	97	24-187237	5100	96, 97
Crossmember Kit		4-6"	5"	25-177411	5160	97	25-177893	5160	96,97
Avalanche 2500	02-'06	0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	
		0-2.5"	0-2"	25-187618	5160	19,97	25-187625	5160	97
				33-174525	5100				
Suburban 2500	00-'13	0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	97
		0-2.5"	0-2"	25-187618	5160	19,97	25-187625	5160	97
				33-174525	5100				
Tahoe 4dr & 2dr / C1500 Suburban	92-'99	3"	0-1"	24-062107	5100	3	24-016988	4600	
		6"	4-5"	24-062107	5100	3	24-067379	5100	2
		6"	4-5"	24-236942	5100		24-067379	5100	2
Blazer 2dr (Full Size)	92-'94	3"	0-1"	24-062107	5100	3	24-016988	4600	
		6"	4-5"	24-062107	5100	3	24-067379	5100	2
		6"	4-5"	24-236942	5100		24-067379	5100	2

DODGE TRUCKS & SPORT UTILITY VEHICLES

4WD Pickups (Lifted Suspension)											
Ram 1500		Excludes Megacab	09-'10	0-2.75"	0-1"	24-187367	5100 R.H.A	24-187374	5100		
			06-'08	0-2"	0-1"	24-186988	5100 R.H.A	24-185783	5100		
			94-'01	3"	0-1"	24-185776	5100	2	24-185783	5100	2
				5-6"	4"	24-066464	5100	2	24-191203	5100	2
Ram 1500 Mega Cab		Steering Stabilizer	06-'08	0-2.5"	0-1"	24-185776	5100	24-191203	5100		
				0-3"	0-1.5"	25-187595	5160	25-187601	5160		
				4-5"	2"	24-066464	5100	2	24-186636	5100	2
				4-6"	3.4"	25-197754	5160	2	25-197761	5160	2
				6-8"	3-5"	24-187213	5100	2	33-187228	5100	2
		Steering Stabilizer	06-'07		24-164870	5100					
		Steering Stabilizer	07-'08		33-170794	5100					
		Ram 2500 Power Wagon		10-'13	0-1"	0-1"	25-187595	5160	25-187601	5160	
Ram 2500 / 3500		Steering Stabilizer	03-'10	0-2.5"	0-1"	24-185776	5100	24-191203	5100		
				0-3"	0-1.5"	25-187595	5160	25-187601	5160		
				4-5"	2"	24-066464	5100	2	24-186636	5100	2
				4-6"	3.4"	25-197754	5160	2	25-197761	5160	2
				6-8"	3-5"	24-187213	5100	2	33-187228	5100	2
		Steering Stabilizer	03-'07		24-164870	5100					
		Steering Stabilizer	07-'10		33-170794	5100					
		Steering Stabilizer	94-'02	0-2.5"	0-1"	24-185776	5100	24-185783	5100		
				0-3"	0-2"	25-187595	5160	25-187601	5160		
				4"	2"	24-066464	5100	2	24-191203	5100	2
4"	0-2"			25-197754	5160	2	25-187601	5160			
6"	3-4"			24-187213	5100	2	33-187228	5100	2		

DIRECT FIT

APPLICATIONS

Model	Year	Lifted Height		Front Shock			Rear Shock			
		Front	Rear	Part #	Series	Note	Part #	Series	Note	
FORD TRUCKS & SPORT UTILITY VEHICLES										
4WD Pickups (Lifted Suspension)										
F-150		09-'13	0-2"	0-1"	24-239394	5100 R.H.A		33-187501	5100	
		04-'08	0-2"	0-1"	24-239363	5100 R.H.A		33-186009	5100	
		97-'03	4"	0-2"	24-185523	5100		24-185417	5100	
	Auxiliary	80-'96	4"	2"	24-185523	5100	2	24-185530	5100	2
			4"		24-186513	5100	2			
			6"	4"	24-065283	5100	2	24-065276	5100	2
F-250 / F-350	05-'15	0-2"	0-1"	24-186018	5100		24-186025	5100		
		2"	0-1"	F4-SE5-C765-H0	5112 Series		24-186025	5100		
		0-2.5"	0-2"	25-187779	5160		25-187786	5160		
		4"	2"	24-185776	5100		24-062466	5100	2	
		4-6"	4-5"	25-177435	5160	2	25-177442	5160	2	
		6"	4"	24-186681	5100	2	24-062466	5100	2	
	Steering Stabilizer	05-'07		33-170862	5100					
	Steering Stabilizer	08-'13		24-196284	5100					
	99-'04	0-2.5"	0-1"	33-187297	5100	2	24-186025	5100	2	
		0-3"	0-2"	25-188387	5160		25-188394	5160		
		4-6"	2-4"	33-185545	5100	2	24-062466	5100	2	
		4-6"	3-5"	25-188363	5160	2	25-188370	5160	2	
		4-6"		33-104645	5125					
		4-6"		25-187700	5165					
	Double Shock Front			24-158848	5100					
	Double Shock Front									
	Steering Stabilizer									
Ranger	83-'97	4-5"	0-1"	24-185493	5100	2	24-185509	5100	2	
		6"	2-3"	24-185684	5100	2	24-065276	5100	2	

4WD Sport Utility Vehicles (Lifted Suspension)									
Excursion	00-'05	0-2.5"	0-1"	33-187297	5100		24-185479	4600	
		4-6"	3-5"	33-185545	5100	2	33-236964	5100	2
		4-6"		33-104645	5125				
				24-158848	5100				
Bronco	80-'96	4"	2-4"	24-185523	5100	2	24-185530	5100	2
		4"		24-186513	5100	2			
		6"	2-4"	24-065283	5100	2	24-185530	5100	2
		66-'77	0-1.5"	0-1.5"	24-185493	5100	33-185590	5100	
Bronco II	83-'90	2-4"	2-4"	24-065283	5100	2	33-186542	5100	2
		4"	4"	24-185493	5100	2	24-185509	5100	2
Explorer	90-'94	4"		24-185493	5100	2			

2WD Pickups (Lifted Suspension)											
F-150			09-'13	0-2.5"	0-1"	24-187466	5100 R.H.A	33-187471	5100		
			04-'08	0-2"	0-1"	24-186698	5100 R.H.A	24-186704	5100		
		W/ A-Arm	97-'03	3"	0-1"	24-185400	5100	24-024792	4600		
				6"	4-5"	24-185400	5100	24-185417	5100		
		W/ A-Arm & Lift Spindle		6"	4-5"	24-236942	5100	24-185417	5100		
		W/ Crossmember Kit	85-'96	4"	2-4"	24-185523	5100	2	24-185530	5100	2
				6"	2-4"	24-065283	5100	2	24-185530	5100	2
F-250 / F-350 W/ Stock Radius Arms Only			99-'14	4"	0-1"	24-185523	5100	2	24-065276	5100	2
			6"	2-4"	24-065283	5100	2	24-062466	5100	2	
		Steering Stabilizer	99-'14			24-158930	5100				
F-250 / F-350			80-'98	4"	2"	24-185523	5100	2	24-185530	5100	2
			6"	3-4"	24-065283	5100	2	24-065276	5100	2	
Ranger (Excludes Edge, Sport and EV models)		W/ Lift Spindle	98-'11	3"	0-1"	24-196260	4600		24-196277	4600	2
				3"	0-1"	24-187107	5100		24-196277	4600	2
		W/ A-Arm		6"	4"	24-187107	5100		24-185509	5100	2
		W/ A-Arm & Lift Spindle	83-'97	4-5"	0-1"	24-185493	5100	2	24-196277	4600	2
				4-5"	1-3"	24-185493	5100	2	24-185509	5100	2
	6"		4-6"	24-185684	5100	2	24-065276	5100	2		

2WD Sport Utility Vehicles (Lifted Suspension)									
Expedition	97-'02	W/ Upper A-Arm & Coil Lift	3"	0-1"	24-185400	5100	24-185202	5100	
		W/ Upper A-Arm, Coil & Lift Spindle	6"	3"	24-185400	5100	24-185530	5100	2
Excursion	00-'05	W/ Stock Radius Arms	4"		24-185523	5100	2		

APPLICATIONS

DIRECT FIT

Model	Year	Lifted Height		Front Shock		Note	Rear Shock		Note
		Front	Rear	Part #	Series		Part #	Series	
Excursion	00-'05			24-158930	5100				
Bronco II	83-'90	4"	4"	24-185493	5100	2	24-185509	5100	2
Explorer	95-'01	3"		24-021319	4600				
	90-'94	4"		24-185493	5100	2			
Explorer Sport Trac	95-'01	3"		24-021319	4600				

GMC TRUCKS & SPORT UTILITY VEHICLES									
4WD Pickups (Lifted Suspension)									
Sierra 1500	14-'15	0-1.8"	0-1"	24-238304	5100 R.H.A		33-238319	5100	
		0-1.8"	0-2"	Coming Soon	6112		Coming Soon	5160	
	07-'13	0-1.75"	0-1"	24-186940	5100 R.H.A	18	24-186957	5100	17
		0-1.75"	0-2"	Coming Soon	6112	18	Coming Soon	5160	
	99-'06	6"	4"	24-186940	5100 R.H.A	18	24-186636	5100	2
		0-2.5"	0-1"	24-186643	5100	19,99	24-186742	5100	99
		0-2.5"	0-2"	25-176407	5160	19,99	25-176414	5160	99
		4"	2"	24-185950	5100	99	24-191203	5100	2,99
		4"	0-2"	25-177411	5160	99	25-176414	5160	2,99
		6"	3"	24-185950	5100	99	24-186636	5100	2,99
		6"	4"	25-177411	5160	99	25-177428	5160	2,99
	Fabtech double shock front	6"		33-187112	5125	10			
		Superlift double shock front	6"		33-185590	5125	10		
K1500 Sierra	88-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
Sierra 2500HD / 3500HD	11-'15	0-1.5"	0-1"	24-196451	5100	19	24-196468	5100	
		0-1.5"	0-2"	25-196474	5160	19	25-196481	5160	
		4-6"	3-4"	24-218023	5100		24-218030	5100	
		4-6"	3-4"	25-218190	5160		25-218206	5160	
Sierra 1500HD / 2500 / 2500HD / 3500 / 3500HD	99-'10	0-2.5"	0-1"	24-186735	5100	19,94	24-186742	5100	94,95
		0-2.5"	0-2"	25-187618	5160	19,94	25-187625	5160	94,95
		4"	2"	24-187183	5100	94	24-191203	5100	2,94,95
		4"	0-2"	25-187687	5160	94	25-187625	5160	2,94,95
		6"	4"	24-187183	5100	94	24-186636	5100	2,94,95
		6"	4"	25-187687	5160	94	25-187694	5160	2,94,95
	Steering Stabilizer	99-'10		33-174525	5100				
K2500 Sierra / K3500 Sierra	88-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
K15 / K1500 / K25 / K2500	73-'87	3-4"	3-4"	24-187077	5100	2	24-187084	5100	2

4WD Sport Utility Vehicles (Lifted Suspension)										
Yukon / Yukon XL 1500		07-'14	0-1.75"	0-1"	24-186940	5100 R.H.A	97	24-187237	5100	97
				0-1"				25-177893	5160	97
		00-'06	0-2.5"	0-1"	24-186643	5100	19,97	24-187237	5100	96,97
			0-2.5"	0-1"	25-176407	5160	19,97	25-177893	5160	96,97
			4"	3"	24-185950	5100	97	24-185783	5100	2,96,97
			4"	3"	25-177411	5160	97	25-187625	5160	2,96,97
			6"		24-185950	5100	97			
			6"	5"	25-177411	5160	97	25-187601	5160	2,96,97
		W/ Rear Stock Shock Relocation Bracket	4-6"	5"	24-185950	5100	97	24-187237	5100	96,97
			W/ Rear Stock Shock Relocation Bracket	4"-6"	5"	25-177411	5160	97	25-177893	5160
Yukon 2dr		92-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
Yukon 4dr		95-'99	4-6"	2-4"	33-061399	5100		24-185615	5100	2
Yukon XL 2500		00-'13	0-2.5"	0-1"	24-186735	5100	19,97	24-185783	5100	97
			0-2.5"	0-1"	25-187618	5160	19,97	25-187625	5160	97
			Steering Stabilizer		33-174525	5100				
K1500 Suburban / K2500 Suburban		92-'99	4-6"	2-4"	33-061399	5100		24-067379	5100	2
K15 Jimmy / K1500 Suburban		73-'91	3-4"	3-4"	24-187077	5100	2	24-187084	5100	2

2WD Pickups (Lifted Suspension)										
Sierra 1500	14-'15	0-1.8"	0-1"	24-238304	5100 R.H.A	33-238319	5100			
		0-1.8"	0-2"	Coming Soon	6112	Coming Soon	5160			
	07-'13	0-1.75"	0-1"	24-186940	5100 R.H.A	18	24-186957	5100	17	
		0-1.75"	0-2"	Coming Soon	6112	18	Coming Soon	5160		
	For kits utilizing front OEM shock w/ lift spacer w/ A-Arm & Coil Lift w/ A-Arm, Coil & Lift Spindle		6"	4"	24-186940	5100 R.H.A	18	24-186636	5100	2
		99-'06	3"	0-1"	24-185400	5100	93,99	24-029032	4600	99
			6"	4"	24-185400	5100	93,99	24-191203	5100	2,99

DIRECT FIT

APPLICATIONS

Model		Year	Lifted Height		Front Shock			Rear Shock		
			Front	Rear	Part #	Series	Note	Part #	Series	Note
GMC TRUCKS & SPORT UTILITY VEHICLES <i>continued</i>										
2WD Pickups (Lifted Suspension) <i>continued</i>										
Sierra 1500	w/ Cross Member Kit	99-'06	6"	5"	24-236942	5100	93,99	24-191203	5100	2,99
C1500 Sierra	w/ A-Arm & Coil Lift	88-'99	3"	0-1"	24-062107	5100	3	24-016988	4600	
	w/ A-Arm, Coil & Lift Spindle		6"	3"	24-062107	5100	3	24-067379	5100	2
Sierra 2500HD / 3500HD		11-'15	0-1.5"	0-1"	24-196451	5100	19	24-196468	5100	
			0-1.5"	0-2"	25-196474	5160	19	25-196481	5160	
			4-6"	3-4"	24-218023	5100		24-218030	5100	
			4-6"	3-4"	25-218190	5160		25-218206	5160	
Sierra 1500HD / 2500 / 2500HD / 3500 / 3500HD		99-'10	0-2.5"	0-1"	24-186735	5100	19,94	24-186742	5100	94,95
			0-2.5"	0-2"	25-187618	5160	19,94	25-187625	5160	94,95
			4"	2"	24-187183	5100	94	24-191203	5100	2,94,95
			4"	0-2"	25-187687	5160	94	25-187625	5160	2,94,95
			6"	4"	24-187183	5100	94	24-186636	5100	2,94,95
			6"	4"	25-187687	5160	94	25-187694	5160	2,94,95
						33-174525	5100			
	Steering Stabilizer									

<i>2WD Sport Utility Vehicles (Lifted Suspension)</i>									
Yukon / Yukon XL 1500	07-'14	0-1.75"	0-1"	24-186940	5100 R.H.A	97	24-187237	5100	97
			0-1"		5160		25-177893	5160	97
	00-'06	0-2.5"	0-1"	24-186643	5100	19,97	24-187237	5100	96,97
		0-2.5"	0-1"	25-176407	5160	19,97	25-177893	5160	96,97
		4"	3"	24-185950	5100	97	24-185783	5100	2,96,97
		4"	3"	25-177411	5160	97	25-187625	5160	2,96,97
	Crossmember Kit	6"	5"	25-177411	5160	97	25-187601	5160	2,96,97
		4"-6"	5"	24-185950	5100	97	24-187237	5100	96,97
		4"-6"	5"	25-177411	5160	97	25-177893	5160	96,97
Yukon XL 2500	00-'13	2"	0-1"	24-186735	5100	19,97	24-185783	5100	97
		0-2.5"	0-1"	25-187618	5160	19,97	25-187625	5160	97
				33-174525	5100				
Yukon 4dr & 2dr / C1500 Suburban	92-'99	3"	0-1"	24-062107	5100	3	24-016988	4600	
		6"	4-5"	24-062107	5100	3	24-067379	5100	2
		6"	4-5"	24-236942	5100		24-067379	5100	2

HUMMER SPORT UTILITY VEHICLES									
<i>4WD Sport Utility Vehicles (Lifted Suspension)</i>									
H2	03-'09	0-2.5"	0-1"	24-186735	5100	19	24-016988	4600	16
H3	06-'10	0-2.5"	0-2"	25-187618	5160	19	25-187625	5160	
		6"	5"	24-187206	5100		33-187228	5100	2
		0-2.5"	0-1"	24-186643	5100	19	24-185615	5100	
		0-2.5"		25-176407	5160	19			

INFINITI SPORT UTILITY VEHICLES									
<i>4WD Sport Utility Vehicles (Lifted Suspension)</i>									
QX56	04-'10	0-2"		24-197649	5100 R.H.A				

<i>2WD Sport Utility Vehicles (Lifted Suspension)</i>									
QX56	04-'10	0-2"		24-197649	5100 R.H.A				

JEEP SPORT UTILITY VEHICLES									
<i>4WD Pickups (Lifted Suspension)</i>									
Comanche	(M,J)	86-'92	2-3"	24-185622	5100	2			
			3.5-4"	24-188197	5100	2			
			3.5-4"	25-187670	5160	2			
			5-6"	24-185943	5100	2			
Pioneer J10/J20 (Pick-up)	(S,J)	55-'75	3-4"	33-186542	5100	2	33-186542	5100	2

<i>4WD Sport Utility Vehicles (Lifted Suspension)</i>									
Wrangler	(JK)	07-'15	1.5-3"	24-146708	5100	2,13	24-146715	5100	2,13
			1.5-3"	25-187656	5160	2,13	25-187663	5160	2,13
			3.5-5"	24-186995	5100	2	33-186887	5100	2
			3.5-5"	25-229738	5160	2	25-229745	5160	2

APPLICATIONS

DIRECT FIT

Model		Year	Lifted Height		Front Shock			Rear Shock				
			Front	Rear	Part #	Series	Note	Part #	Series	Note		
Wrangler	Long Arm	07-'15	3.5-5"	4"	24-186872	5100	2	33-186887	5100	2		
	Long Arm		3.5-5"	4"	25-187632	5160	2	25-187649	5160	2		
	Steering Stabilizer			24-158428	5100							
		(TJ)	96-'06	0-2"	0-2"	24-186810	5100	17	24-186827	5100	17	
		0-2.5"		0-2.5"	25-193138	5160		25-193145	5160			
	Short Arm	3"		3"	24-185257	5100	2	24-185264	5100	2		
	Short Arm	3"		3"	25-193114	5160	2	25-193145	5160			
	Short Arm	3.5-4"		3.5-4"	24-188180	5100	2	33-185514	5100	2		
	Short Arm	3.5-4.5"		3.5-4.5"	25-193114	5160	2	25-193121	5160	2		
	Long Arm	3.5-4"		3.5-4"	24-185929	5100	2	33-185934	5100	2		
	Long Arm	3.5-4.5"		3.5-4.5"	25-194012	5160	2	25-187793	5160	2		
	Long Arm	4.5"		4.5"	24-187190	5100	2	33-185934	5100	2		
	Long Arm	5-6"		5-6"	24-185943	5100	2	33-185934	5100	2		
	Long Arm	5-5.5"		5-5.5"	25-187809	5160	2	25-187793	5160	2		
	Long Arm			6"	6"	25-187809	5160	2	25-212662	5160	2	
		(YJ)		86-'95	3-4"	3-4"	24-064576	5100	2	24-185660	5100	2
		Springover		Springover	Springover	24-185653	5100	2	24-185660	5100	2	
Cherokee		(XJ)	84-'01	2-3"	2-3"	24-185622	5100	2	24-185639	5100	2	
		3.5-4"		3.5-4"	24-188197	5100	2	33-066868	5100	2		
		3.5-4"		3.5-4"	25-187670	5160	2	25-187816	5160	2		
		5-6"		5-6"	24-185943	5100	2	33-151663	5100	2		
		(S,J)	81-'83	3-4"	3-4"	33-186542	5125	2	33-186542	5125	2	
Wagoneer		(XJ)	84-'90	2-3"	2-3"	24-185622	5100	2	24-185639	5100	2	
		3.5-4"		3.5-4"	24-188197	5100	2	33-066868	5100	2		
		3.5-4"		3.5-4"	25-187670	5160	2	25-187816	5160	2		
		5-6"		5-6"	24-185943	5100	2	33-151663	5100	2		
Grand Cherokee		(WK2)	11-'15	.5-1.6"	0-1"	Coming Soon	5100 R.H.A		Coming Soon	5100		
		(WK)	05-'10	.75-2"	0-1.5"	24-225793	5100 R.H.A		33-225807	5100		
		(WJ)	99-'04	1.5-2"	1.5-2"	24-185622	5100	2	33-236957	5100	2	
	3.5-4"			3.5-4"	24-188197	5100	2	33-151632	5100	2		
		(ZJ)	93-'98	1.5-2"	1.5-2"	24-185622	5100	2	33-151670	5100	2	
	3"			3"	24-186216	5100	2	24-186223	5100	2		
	3.5-4"			3.5-4"	24-188197	5100	2	24-186223	5100	2		
	6"			6"	24-185943	5100	2	33-151618	5100	2		
Grand Wagoneer		(ZJ)	'93	1.5-2"	1.5-2"	24-185622	5100	2	33-151670	5100	2	
		3"		3"	24-186216	5100	2	24-186223	5100	2		
		3.5-4"		3.5-4"	24-188197	5100	2	24-186223	5100	2		
		6"		6"	24-185943	5100	2	33-151618	5100	2		
		(S,J)	84-'91	3-4"	3-4"	33-186542	5125	2	33-186542	5125	2	
CJ (CJ5 / CJ7)		76-'86	2-2.5"	2-2.5"	33-233970	5125		33-230313	5125			
	3-4"		3-4"	33-185606	5125	2	33-186542	5125	2			
		59-'75	2-2.5"	2-2.5"	33-185606	5125	2	33-186542	5125	2		
	3-4"		3-4"	33-186542	5125	2	33-186542	5125	2			

2WD Pickups (Lifted Suspension)						
Comanche	(M,J)	86-'92	2-3"	24-185622	5100	2
			3.5-4"	24-188197	5100	2
			3.5-4"	25-187670	5160	2
			5-6"	24-185943	5100	2

DIRECT FIT			APPLICATIONS						
Model	Year	Lifted Height		Front Shock			Rear Shock		
		Front	Rear	Part #	Series	Note	Part #	Series	Note
JEEP SPORT UTILITY VEHICLES <i>continued</i>									
<i>2WD Sport Utility Vehicles (Lifted Suspension) continued</i>									
Wagoneer	84-'90	3.5-4"	3.5-4"	25-187670	5160	2	25-187816	5160	2
		5-6"	5-6"	24-185943	5100	2	33-151663	5100	2
Grand Cherokee	(WK2) 11-'15	.5-1.6"	0-1"	Coming Soon	5100 R.H.A		Coming Soon	5100	
	(WK) 05-'10	.75-2"	0-1.5"	24-225793	5100 R.H.A		33-225807	5100	
	(WJ) 99-'04	1.5-2"	1.5-2"	24-185622	5100	2	33-236957	5100	2
		3.5-4"	3.5-4"	24-188197	5100	2	33-151632	5100	2
	(ZJ) 93-'98	1.5-2"	1.5-2"	24-185622	5100	2	33-151670	5100	2
		3"	3"	24-186216	5100	2	24-186223	5100	2
		3.5-4"	3.5-4"	24-188197	5100	2	24-186223	5100	2
		6"	6"	24-185943	5100	2	33-151618	5100	2

MAZDA TRUCKS									
<i>2WD Pickups (Lifted Suspension)</i>									
B2300 / B2500 / B3000 / B4000		W/ Lift Spindle	98-'09	3"	0-1"	24-196260	4600	24-196277	4600
(Coil Spring Front Only)		W/ A-Arm		3"	0-1"	24-187107	5100	24-196277	4600
		W/ A-Arm & Lift Spindle		6"	4"	24-187107	5100	24-185509	5100 2

NISSAN TRUCKS & SPORT UTILITY VEHICLES									
<i>4WD Pickups (Lifted Suspension)</i>									
Titan		04-'14	0-2"	0-1"	24-197649	5100 R.H.A	24-186766	5100	
Frontier		05-'14	0-2"	0-1"	24-187053	5100 R.H.A	24-187152	5100	
		98-'04	0-3"	0-2"	24-187824	4600	24-021289	4600	

<i>4WD Sport Utility Vehicles (Lifted Suspension)</i>									
Armada		05-'14	0-2"		24-197649	5100 R.H.A			
Pathfinder Armada		'04	0-2"		24-197649	5100 R.H.A			
Xterra		05-'14	0-2"	0-1"	24-187053	5100 R.H.A	24-187169	5100	
		00-'04	0-3"	0-2"	24-187824	4600	24-184908	4600	11

<i>2WD Pickups (Lifted Suspension)</i>									
Titan		04-'14	0-2"	0-1"	24-197649	5100 R.H.A	24-186773	5100	
Frontier		05-'14	0-2"	0-1"	24-187053	5100 R.H.A	24-187152	5100	

<i>2WD Sport Utility Vehicles (Lifted Suspension)</i>									
Armada		05-'14	0-2"		24-197649	5100 R.H.A			
Pathfinder Armada		'04	0-2"		24-197649	5100 R.H.A			
Xterra		05-'14	0-2"	0-1"	24-187053	5100 R.H.A	24-187060	5100	
		00-'04	0-3"	0-2"	24-187824	4600	24-184908	4600	11

RAM TRUCKS									
<i>4WD Pickups (Lifted Suspension)</i>									
1500		11-'15	0-2.75"	0-1"	24-187367	5100 R.H.A	24-187374	5100	
2500 Power Wagon		11-'13	0-1"	0-1"	25-187595	5160	25-187601	5160	
2500		14-'15	2-2.5"	0-1"	24-239448	5100	24-239455	5100	
			2-2.5"	0-1"	25-240429	5160	25-240436	5160	
		11-'13	0-2.5"	0-1"	24-185776	5100	24-191203	5100	
			0-3"	0-1.5"	25-187595	5160	25-187601	5160	
			4-5"	2"	24-066464	5100	24-186636	5100	2
			4-6"	3.4"	25-197754	5160	25-197761	5160	2
			6-8"	3-5"	24-187213	5100	33-187228	5100	2
					33-170794	5100			
		13-'15	2-2.5"	0-1"	24-238540	5100	33-238555	5100	
			2-2.5"	0-1"	25-240405	5160	25-240412	5160	
		11-'12	0-2.5"	0-1"	24-185776	5100	24-191203	5100	
			0-3"	0-1.5"	25-187595	5160	25-187601	5160	
			4-5"	2"	24-066464	5100	24-186636	5100	2
			4-6"	3.4"	25-197754	5160	25-197761	5160	2
			6-8"	3-5"	24-187213	5100	33-187228	5100	2
3500					33-170794	5100			

Steering Stabilizer

			APPLICATIONS				DIRECT FIT		
Model	Year	Lifted Height		Front Shock		Note	Rear Shock		Note
		Front	Rear	Part #	Series		Part #	Series	
SUZUKI TRUCKS									
4WD Pickups (Lifted Suspension)									
Equator	09-'12	0-2"	0-1"	24-187053	5100 R.H.A		24-187152	5100	

<i>2WD Pickups (Lifted Suspension)</i>									
Equator		09-'12	0-2"	0-1"	24-187053	5100 R.H.A	24-187152	5100	

TOYOTA TRUCKS & SPORT UTILITY VEHICLES									
<i>4WD Pickups (Lifted Suspension)</i>									
Tacoma	05-'15	0-2.5"	0-1"	24-239370	5100 R.H.A	24-186728	5100		
	05-'15	.06-2.5"	0-1"	46-241627	6112	25-177343	5160		
Pick-up	86-'95	3-4"	3-4"	24-185745	5100	24-185752	5100		2
Tundra	07-'15	0.875-2.5"	0-1"	24-232173	5100 R.H.A	24-186971	5100		
	07-15	.75-2.5"	0-1.5"	46-206084	6112	25-237429	5160		
	00-'06	0-2.5"	0-1"	24-188265	5100 R.H.A	24-100144	5100		

<i>4WD Sport Utility Vehicles (Lifted Suspension)</i>									
4-Runner	10-'15	0-2.5"	0-2"	24-196499	5100 R.H.A	33-187174	5100		
		0-2.5"	0-2"	46-227294	6112	25-227611	5160		
	03-'09	0-2.5"	0-2"	24-239370	5100 R.H.A	33-187174	5100		
		0-2.5"	0-2"	46-227287	6112	25-227611	5160		
	90-'95	3-4"		24-185745	5100				
FJ Cruiser	86-'89	3-4"	3-4"	24-185745	5100	24-185752	5100		2
	10-'14	0-2.5"	0-2"	24-196499	5100 R.H.A	33-187174	5100		
		0-2.5"	0-2"	46-227294	6112	25-227611	5160		
	07-'09	0-2.5"	0-2"	24-239370	5100 R.H.A	33-187174	5100		
Landcruiser <i>FJ40</i>	60-'82	0-2"	0-2"	33-062518	5125	33-185606	5125		
		4"	4"	33-185606	5125	33-185552	5125		2
Sequoia	08-'14	0-2.5"	0-1"	24-239387	5100 R.H.A	33-187280	5100		
	00-'07	0-2.5"	0-1"	24-188265	5100 R.H.A	24-185813	4600		

<i>2WD Pickups (Lifted Suspension)</i>									
Tacoma PreRunner		05-'15	0-2.5"	0-1"	24-239370	5100 R.H.A.	24-186728	5100	
			1-2.5"	0-1.5	46-241627	6112	25-177343	5160	
Tundra	07-'15	0.875-2.5"	0-1"	24-232173	5100 R.H.A	24-186971	5100		
		.75-2.5"	0-1.5	46-206084	6112	25-237429	5160		
	00-'06	0-2.5"	0-1"	24-188265	5100 R.H.A	24-100144	5100		

<i>2WD Sport Utility Vehicles (Lifted Suspension)</i>									
4-Runner	10-'15	0-2.5"	0-2"	24-196499	5100 R.H.A	33-187174	5100		
		0-2.6"	0-2"	46-227294	6112	25-227611	5160		
	03-'09	0-2.5"	0-2"	24-239370	5100 R.H.A	33-187174	5100		
		0-2.6"	0-2"	46-227287	6112	25-227611	5160		
	90-'95	3-4"		24-185745	5100				
FJ Cruiser	86-'89	3-4"	3-4"	24-185745	5100	24-185752	5100		
	10-'14	0-2.5"	0-2"	24-196499	5100 R.H.A	33-187174	5100		
		0-2.6"	0-2"	46-227294	6112	25-227611	5160		
	07-'09	0-2.5"	0-2"	24-239370	5100 R.H.A	33-187174	5100		
		0-2.6"	0-2"	46-227287	6112	25-227611	5160		
Sequoia	08-'14	0-2.5"	0-1"	24-239387	5100 R.H.A	33-187280	5100		
	01-'07	0-2.5"	0-1"	24-188265	5100 R.H.A	24-185813	4600		

- 2** Compression bump stop on chassis may need to be modified to prevent damage to the shock absorber.

3 Shocks are banded compressed to aid installation.

10 Do not use stock shock in conjunction with dual shock setup.

11 Will not work with stock swaybar. Shock body is too large and will interfere.

13 Must use wheel spacers or offset aftermarket wheels.

16 Zinc plated 4600 Series

17 Zinc plated blue boot 5100 series

18 Excludes 2007 1500 Classic Models

19 Torsion Key Lift

93 Excludes 2WD GM 1500 Pickup with front torsion bars
- 94** Excludes Electronic Suspension

95 Excludes vehicles equipped with rear Quadrateer

96 If equipped with ZW7 Premium Smooth Ride Nivomat Suspension, you must replace the rear coil spring when replacing the shock absorber. For the Tahoe/Yukon use spring part #199021. For the 1500 Suburban/1500 Yukon XL use spring part #199020. These replacement springs will maintain stock ride height.

97 Excludes Z55 Autoride Suspension Package

98 With Independent Front Suspension

99 Excludes ZX3 Electronic Suspension

DIRECT FIT

APPLICATIONS

Part #	Extended (in)	Collapsed (in)	Part #	Extended (in)	Collapsed (in)	Part #	Extended (in)	Collapsed (in)
5100/5160 SERIES COLLAPSED AND EXTENDED LENGTHS								
24-062107	15.43	10.04	24-186995	27.56	16.41	25-187687	22.48	13.48
24-062466	32.01	20.28	24-187053	15.26	10.55	25-187694	31.46	18.25
24-064576	28.44	16.97	24-187060	20.06	12.81	25-187779	22.34	13.58
24-065276	28.01	17.01	24-187077	21.62	13.66	25-187786	31.24	18.03
24-065283	21.52	13.27	24-187084	26.15	16.14	25-187793	24.92	14.87
24-066464	27.32	16.34	24-187107	15.43	10.15	25-187809	28.39	16.44
24-067379	28.29	17.28	24-187152	21.65	13.84	25-187816	24.92	14.87
24-100144	22.40	13.84	24-187169	20.87	13.54	25-188363	26.99	15.96
24-146708	24.63	14.98	24-187183	21.46	13.52	25-188370	34.39	20.28
24-146715	25.00	15.39	24-187190	26.50	16.51	25-188387	23.72	14.33
24-158428	20.01	13.19	24-187206	21.46	13.52	25-188394	31.24	18.03
24-158848	23.03	14.96	24-187213	30.31	19.57	25-193114	24.70	14.53
24-158930	21.06	13.39	24-187237	24.33	15.55	25-193121	25.00	14.95
24-164870	23.54	15.12	24-187367	21.40	15.12	25-193138	21.87	13.11
24-185257	24.00	14.88	24-187374	26.73	16.75	25-193145	22.00	13.44
24-185264	23.07	14.63	24-187466	21.91	16.22	25-194012	26.39	15.37
24-185400	17.58	11.30	24-188180	24.63	14.98	25-196474	18.64	13.90
24-185417	27.32	16.38	24-188197	24.61	14.98	25-196481	28.09	16.54
24-185493	18.98	12.17	24-188265	18.68	13.23	25-197754	28.33	16.38
24-185509	26.16	16.14	24-191203	27.36	16.95	25-197761	31.81	18.70
24-185523	18.98	12.17	24-196284	27.44	19.13	25-212662	26.93	15.91
24-185530	26.16	16.14	24-196451	18.64	14.06	25-218190	24.23	15.57
24-185615	26.20	16.18	24-196468	26.79	16.42	25-218206	31.26	18.17
24-185622	22.09	13.58	24-196499	22.48	17.58	25-227611	23.50	14.84
24-185639	21.85	13.68	24-197649	15.61	11.37	25-229738	27.46	15.91
24-185653	28.44	16.97	24-218023	24.23	15.98	25-229745	27.42	16.12
24-185660	23.68	14.63	24-218030	29.92	18.17	25-237429	25.69	15.22
24-185684	20.49	12.87	24-225434	32.09	26.28	33-061399	22.78	14.37
24-185745	17.95	11.67	24-225441	16.02	22.54	33-066868	23.84	14.88
24-185752	25.63	16.00	24-225793	19.20	13.35	33-104645	25.89	15.91
24-185776	24.37	14.88	24-232173	24.21	17.77	33-151618	25.93	15.91
24-185783	26.14	16.16	24-236942	21.50	13.27	33-151632	25.93	15.91
24-185929	24.63	14.98	24-238304	18.86	15.00	33-151663	25.93	15.91
24-185943	28.44	16.97	24-238540	23.84	15.04	33-151670	22.58	14.13
24-185950	21.38	14.15	24-239363	21.89	16.34	33-170794	23.64	14.72
24-186018	21.42	13.59	24-239370	22.56	17.03	33-170862	27.56	18.11
24-186025	29.70	18.04	24-239387	24.32	17.76	33-174525	20.08	12.83
24-186216	23.70	14.88	24-239394	21.83	16.93	33-185514	25.00	15.41
24-186223	24.59	15.48	24-239448	23.84	15.04	33-185545	26.02	15.96
24-186513	21.52	13.27	24-239455	24.96	16.73	33-185934	25.00	15.41
24-186636	29.92	18.17	25-176407	16.30	12.83	33-186009	27.11	16.69
24-186643	16.30	12.54	25-176414	27.17	16.14	33-186887	27.36	16.96
24-186681	26.61	16.33	25-177343	23.23	13.84	33-187174	23.50	14.91
24-186698	20.83	15.37	25-177411	21.38	13.96	33-187228	31.93	20.37
24-186704	24.94	15.31	25-177428	31.38	18.27	33-187280	19.29	13.71
24-186728	22.94	14.02	25-177435	26.61	15.59	33-187297	23.23	14.44
24-186735	15.76	11.30	25-177442	34.39	20.28	33-187471	28.03	17.07
24-186742	26.15	16.14	25-177893	24.43	14.82	33-187501	28.90	17.68
24-186766	25.00	15.79	25-187595	25.96	15.20	33-196619	22.44	14.55
24-186773	23.76	14.96	25-187601	28.09	16.54	33-225807	24.76	15.39
24-186810	21.18	13.06	25-187618	16.24	10.79	33-236957	24.35	15.12
24-186827	20.08	12.81	25-187625	27.17	16.14	33-236964	32.01	20.28
24-186872	27.56	16.41	25-187632	27.46	15.91	33-238319	16.18	25.79
24-186940	18.48	12.95	25-187649	27.42	16.12	33-238555	29.88	18.33
24-186957	25.39	16.53	25-187656	24.70	14.53			
24-186971	24.80	15.33	25-187663	25.00	14.95			
24-186988	21.26	15.18	25-187670	24.49	14.44			

OFF-ROAD
CUSTOM FIT

- 5125 Series <
- 5165 Series <
- 7100 Classic Series <
- 7100 Series <
- 8125 Series <



CUSTOM FIT

5125 SERIES

5165 SERIES

7100 CLASSIC SERIES

CUSTOM FIT



5125 SERIES

Same performance features as the 5100 Series. Available in a selection of lengths and valvings for use on modified or specialty vehicle applications.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Self-adjusting deflective disc valving
- > High-flow piston reduces harshness
- > Available in stem-to-eye and eye-to-eye mounting configurations
- > Zinc coating for resistance to off-road elements
- > Custom valving available
- > Factory rebuildable
- > Made in the USA



5165 SERIES

Same performance features as the 5160 Series. Available in a selection of lengths and valvings for use on modified or specialty vehicle applications.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Remote reservoir allows for greater heat dissipation
- > Available in stem-to-eye and eye-to-eye mounting configurations
- > Zinc coating for resistance to off-road elements
- > Custom valving available
- > Factory rebuildable
- > Billet aluminum reservoir clamp available (as shown) *Part #11-176015*
- > Made in the USA



7100 CLASSIC SERIES

Since their inception in the early 70's, the 7100 Classic Series have equipped more winning off-road cars and trucks than any other shock. Today, the 7100 Classic Series is perfect for meeting the demands of these vintage race vehicles.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Available for standard and coilover applications in a wide variety of lengths
- > Self-adjusting deflective disc valving
- > High-flow piston reduces harshness
- > Custom valving available
- > Factory rebuildable
- > Spherical bearing end loops accept 1/2" and 12mm mounting bolts
- > Made in Germany

Steve Rountree - Mexican NORRA 1000

22

23

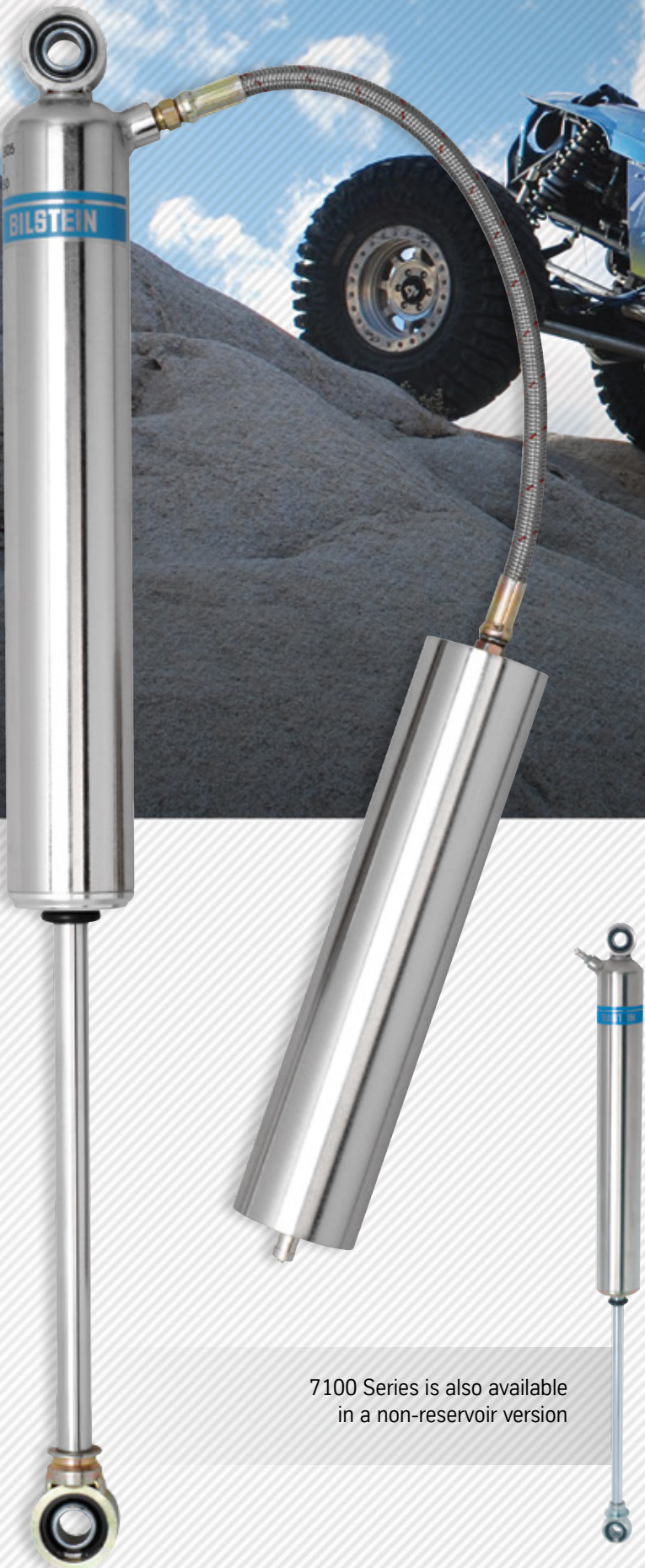


7100 SERIES

The versatile 7100 Series shocks are completely owner rebuildable, and available in various lengths and valvings. These shocks come in remote reservoir or non-reservoir designs.

Product Highlights

- > 46mm monotube design for consistent, fade-free performance
- > Self-adjusting deflective disc valving
- > High-flow piston reduces harshness
- > Nickel plated with clear coat
- > Owner rebuildable
- > 1/2" spherical heim mounts
- > Made in the USA



7100 Series is also available in a non-reservoir version

8125 SERIES

Designed for the serious off-road enthusiast. Available in multiple lengths for a wide range of custom applications, the 8125 Series features the highest quality machined components for long lasting durability.

Product Highlights

- > Available in 46mm* and 60mm* monotube design for consistent, fade-free performance
- > Threaded body with dual-rate coilover hardware
- > Remote reservoir for greater resistance to heat and increased travel length
- > High temperature seal extends life of shock
- > 22mm case hardened piston rod provides brute tensile strength while resisting sand blasting and rock chipping
- > Zinc plated for resistance to off-road elements
- > -8 high temperature hose
- > Owner rebuildable
- > Industry standard 5/8" spherical heim bearings
- > All components are billet machined. No cast parts
- > Made in the USA



8125 Series uses industry standard coilover springs

- > 46mm* shock uses a 2.5" ID Coilover Spring
- > 60mm* shock uses a 3.0" ID Coilover Spring

*BILSTEIN measures shock size by piston diameter. Outer body diameter is the industry standard measurement for off-road shocks.

BILSTEIN Piston Diameter	Outer Body Diameter
46mm	2.0"
60mm	2.65"

CUSTOM FIT		APPLICATIONS							
Part #	Travel	Extended Length	Collapsed Length	Mounting		Sleeves	Boot	Valving	Shaft Diameter
5125 SERIES									
EYE TO EYE									
33-187112	5.33"	16.45"	11.12"	EB1*	EB1*	1/2"	No	223/90	14mm
33-062518	6.63"	18.50"	12.03"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-233970	7.30"	20.40"	13.00"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-230313	8.00"	21.70"	13.70"	EB1*	EB1*	1/2"	Yes	170/60	14mm
33-185590	8.13"	21.54"	13.58"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-230443	8.40"	22.50"	14.10"	EB1*	EB1*	1/2"	Yes	170/60	14mm
33-185606	8.60"	22.50"	14.06"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-186542	9.24"	24.35"	15.11"	EB1*	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230320	9.24"	24.35"	15.11"	EB1*	EB1*	1/2"	Yes	360/80	14mm
33-214672	9.59"	25.00"	15.41"	EB1*	EB1*	1/2"	Yes	201/87	14mm
33-104645	10.17"	25.93"	15.91"	EB1*	EB1*	1/2"	Yes	170/60	14mm
33-185552	10.17"	25.93"	15.91"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-230344	10.00"	25.90"	15.90"	EB1*	EB1*	1/2"	Yes	360/80	14mm
33-186559	11.00"	28.01"	17.00"	EB1*	EB1*	1/2" 12mm	Yes	170/60	14mm
33-104652	11.00"	28.01"	17.00"	EB1*	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230382	11.94"	29.70"	17.90"	EB1*	EB1*	1/2"	Yes	170/60	14mm
33-185569	11.94"	29.70"	17.91"	EB1*	EB1*	1/2"	Yes	255/70	14mm
33-185576	14.30"	34.90"	20.75"	EB1*	EB1*	1/2"	No	255/70	14mm

<i>STEM TO EYE</i>									
33-230306	4.50"	13.90"	9.40"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
33-230405	5.70"	16.40"	10.70"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
33-186504	6.65"	18.42"	11.77"	Stem	EB1*	No	Yes	366/240	14mm
24-185684	7.62"	20.45"	12.83"	Stem	EB1*	1/2" 12mm	Yes	224/100	14mm
24-065283	8.23"	21.50"	13.27"	Stem	EB1*	1/2" 12mm	Yes	398/94	14mm
33-230450	8.60"	22.90"	14.30"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
33-230337	9.40"	24.40"	15.00"	Stem	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230412	9.20"	24.40"	15.20"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
24-214667	9.84"	25.98"	16.14"	Stem	EB1*	1/2"	Yes	178/94	14mm
33-230351	10.20"	26.40"	16.10"	Stem	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230368	10.40"	26.40"	16.30"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
33-230375	11.20"	28.30"	17.10"	Stem	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230429	11.20"	28.30"	17.10"	Stem	EB1*	1/2" 12mm	Yes	360/80	14mm
33-230399	11.50"	29.40"	17.90"	Stem	EB1*	1/2" 12mm	Yes	255/70	14mm
33-230436	12.20"	30.90"	18.70"	Stem	EB1*	1/2" 12mm	Yes	255/70	14mm

* 5/8" ID hourglass bushing

5165 SERIES									
<i>EYE TO EYE</i>									
25-187878	6.30"	17.30"	11.00"	EB1*	EB1*	1/2"	No	360/80	14mm
25-187861	7.50"	19.80"	12.30"	EB1*	EB1*	1/2"	No	170/60	14mm
25-187885	7.50"	19.80"	12.30"	EB1*	EB1*	1/2"	No	255/70	14mm

				APPLICATIONS			CUSTOM FIT		
Part #	Travel	Extended Length	Collapsed Length	Mounting		Sleeves	Boot	Valving	Shaft Diameter
5165 SERIES <i>continued</i>									
25-176223	8.80"	22.40"	13.60"	EB1*	EB1*	1/2"	No	170/60	14mm
25-176230	8.80"	22.40"	13.60"	EB1*	EB1*	1/2"	No	255/70	14mm
25-176124	9.40"	23.60"	14.20"	EB1*	EB1*	1/2"	No	170/60	14mm
25-176117	9.40"	23.60"	14.20"	EB1*	EB1*	1/2"	No	255/70	14mm
25-176100	9.40"	23.60"	14.20"	EB1*	EB1*	1/2"	No	360/80	14mm
25-177510	9.80"	24.40"	14.60"	EB1*	EB1*	1/2"	No	255/70	14mm
25-177503	9.80"	24.40"	14.60"	EB1*	EB1*	1/2"	No	360/80	14mm
25-187700	11.00"	27.40"	16.40"	EB1*	EB1*	1/2"	No	170/60	14mm
25-187717	11.00"	27.40"	16.40"	EB1*	EB1*	1/2"	No	255/70	14mm
25-187724	11.00"	27.40"	16.40"	EB1*	EB1*	1/2"	No	360/80	14mm
25-175783	11.60"	28.50"	16.90"	EB1*	EB1*	1/2"	No	255/70	14mm
25-187731	13.10"	31.00"	17.90"	EB1*	EB1*	1/2"	No	170/60	14mm
25-187748	13.10"	31.00"	17.90"	EB1*	EB1*	1/2"	No	255/70	14mm
25-187755	14.20"	34.90"	20.70"	EB1*	EB1*	1/2"	No	170/60	14mm
25-187762	14.20"	34.90"	20.70"	EB1*	EB1*	1/2"	No	255/70	14mm

<i>STEM TO EYE</i>									
25-177497	7.40"	19.20"	11.80"	Stem	EB1*	1/2" 12mm	No	366/240	14mm
25-177480	8.40"	21.20"	12.80"	Stem	EB1*	1/2" 12mm	No	366/240	14mm
25-177473	8.80"	22.00"	13.20"	Stem	EB1*	1/2" 12mm	No	366/240	14mm

Part #	Travel	Description	Valving	Extended	Collapsed	Finish
7100 CLASSIC SERIES						
<i>8" Travel</i>						
F4-B46-0359-H1	8"	Standard Body	180/75	22.05"	13.82"	Classic Yellow
F4-B46-0349-H2	8"	Standard Body	275/78	22.05"	13.82"	Classic Yellow
<i>10" Travel</i>						
F4-B46-1362-H1	10"	Standard Body	170/60	25.82"	15.79"	Classic Yellow
F4-B46-1361-H1	10"	Standard Body	180/75	25.82"	15.79"	Classic Yellow
F4-B46-0360-H1	10"	Standard Body	275/78	25.82"	15.79"	Classic Yellow

<i>12" Travel</i>						
F4-B46-1353-H1	12"	Standard Body	170/60	31.10"	19.37"	Classic Yellow
F4-B46-1351-H1	12"	Standard Body	275/78	31.10"	19.37"	Classic Yellow
F4-B46-0350-H1	12"	Standard Body	360/80	31.10"	19.37"	Classic Yellow

<i>14" Travel</i>						
F4-B46-1072-H1	14"	Standard Body	150/50	34.80"	20.75"	Classic Yellow

<i>VW Off-Road</i>						
24-000338	5.02"	Rear Swing Axle	330/130	15.43"	10.41"	Classic Yellow
F4-B46-0930-H0*	5.36"	Rear Swing Axle or IRS	345/135	16.22"	10.86"	Zinc Plated
24-000321	4.96"	Front King Pin Stock Beam	289/104	15.24"	10.28"	Classic Yellow
F4-BOA-0000304	6.65"	Front Ball Joint Beam Cut and Turned	220/115	18.58"	11.93"	Zinc Plated

*Optional coilover kit available (Part #B4-BOA-0000117)

CUSTOM FIT		APPLICATIONS				
Part #	Travel	Description	Valving	Extended	Collapsed	Finish
7100 CLASSIC SERIES <i>continued</i>						
<i>Coilover Shocks</i> (Supplied with 2.5" single rate spring hardware)						
F4-B46-0204-H0	5"	<i>Coilover w/ Hardware</i>	Custom	16.25"	11.25"	Zinc Plated
B46-02050R	6"	<i>Coilover w/ Hardware</i>	Custom	18.25"	12.00"	Zinc Plated
B46-0206W	8"	<i>Coilover w/ Hardware</i>	Custom	22.25"	14.00"	Zinc Plated
F4-B46-1103-H1	10"	<i>Coilover w/ Hardware</i>	255/100	26.65"	17.44"	Zinc Plated
Part #	Travel	Description	Valving	Reservoir	Extended	Collapsed
7100 SERIES						

<i>8" Travel</i>						
AK7108R01	8"	<i>Reservoir Shock</i>	150/50	Y	22.29"	14.06"
AK7108S01	8"	<i>Non-Reservoir Shock</i>	150/50	N	22.29"	14.06"
AK7108R02	8"	<i>Reservoir Shock</i>	170/60	Y	22.29"	14.06"
AK7108S02	8"	<i>Non-Reservoir Shock</i>	170/60	N	22.29"	14.06"
B46-0359R	8"	<i>Reservoir Shock</i>	180/75	Y	22.29"	14.06"
B46-0359S	8"	<i>Non-Reservoir Shock</i>	180/75	N	22.29"	14.06"
AK7108R04	8"	<i>Reservoir Shock</i>	255/70	Y	22.29"	14.06"
AK7108S04	8"	<i>Non-Reservoir Shock</i>	255/70	N	22.29"	14.06"
B46-0349R	8"	<i>Reservoir Shock</i>	275/78	Y	22.29"	14.06"
B46-0349S	8"	<i>Non-Reservoir Shock</i>	275/78	N	22.29"	14.06"
AK7108R06	8"	<i>Reservoir Shock</i>	360/80	Y	22.29"	14.06"
AK7108R06	8"	<i>Non-Reservoir Shock</i>	360/80	N	22.29"	14.06"
AK7108R99	8"	<i>Reservoir Shock</i>	Custom	Y	22.29"	14.06"
AK7108R99	8"	<i>Non-Reservoir Shock</i>	Custom	N	22.29"	14.06"

<i>10" Travel</i>						
AK7110R01	10"	<i>Reservoir Shock</i>	150/50	Y	25.77"	16.10"
AK7110S01	10"	<i>Non-Reservoir Shock</i>	150/50	N	25.77"	16.10"
AK7110SB01	10"	<i>Reservoir Short Body</i>	150/50	Y	24.31"	14.21"
B46-1362R	10"	<i>Reservoir Shock</i>	170/60	Y	25.77"	16.10"
B46-1362S	10"	<i>Non-Reservoir Shock</i>	170/60	N	25.77"	16.10"
AK7110SBA	10"	<i>Reservoir Short Body</i>	170/60	Y	24.31"	14.21"
B46-1361R	10"	<i>Reservoir Shock</i>	180/75	Y	25.77"	16.10"
B46-1361S	10"	<i>Non-Reservoir Shock</i>	180/75	N	25.77"	16.10"
AK7110SB03	10"	<i>Reservoir Short Body</i>	180/75	Y	24.31"	14.21"
AK7110R04	10"	<i>Reservoir Shock</i>	255/70	Y	25.77"	16.10"
AK7110S04	10"	<i>Non-Reservoir Shock</i>	255/70	N	25.77"	16.10"
AK7110SB	10"	<i>Reservoir Short Body</i>	255/70	Y	24.31"	14.21"
B46-0360R	10"	<i>Reservoir Shock</i>	275/78	Y	25.77"	16.10"
B46-0360S	10"	<i>Non-Reservoir Shock</i>	275/78	N	25.77"	16.10"
AK7110SB05	10"	<i>Reservoir Short Body</i>	275/78	Y	24.31"	14.21"
AK7110R	10"	<i>Reservoir Shock</i>	360/80	Y	25.77"	16.10"
AK7110S	10"	<i>Non-Reservoir Shock</i>	360/80	N	25.77"	16.10"
AK7110SB06	10"	<i>Reservoir Short Body</i>	360/80	Y	24.31"	14.21"
AK7110R99	10"	<i>Reservoir Shock</i>	Custom	Y	25.77"	16.10"
AK7110S99	10"	<i>Non-Reservoir Shock</i>	Custom	N	25.77"	16.10"
AK7110SB99	10"	<i>Reservoir Short Body</i>	Custom	Y	24.31"	14.21"

CUSTOM FIT		APPLICATIONS				
Part #	Travel	Description	Valving	Reservoir	Extended	Collapsed
<i>12" Travel</i>						
AK7112R01	12"	<i>Reservoir Shock</i>	150/50	Y	31.10"	19.53"
AK7112S01	12"	<i>Non-Reservoir Shock</i>	150/50	N	31.10"	19.53"
AK7112SB01	12"	<i>Reservoir Short Body</i>	150/50	Y	27.68"	16.10"
B46-1353R	12"	<i>Reservoir Shock</i>	170/60	Y	31.10"	19.53"
B46-1353S	12"	<i>Non-Reservoir Shock</i>	170/60	N	31.10"	19.53"
AK7112SB	12"	<i>Reservoir Short Body</i>	170/60	Y	27.68"	16.10"
AK7112R03	12"	<i>Reservoir Shock</i>	180/75	Y	31.10"	19.53"
AK7112S03	12"	<i>Non-Reservoir Shock</i>	180/75	N	31.10"	19.53"
AK7112SB03	12"	<i>Reservoir Short Body</i>	180/75	Y	27.68"	16.10"
AK7112R04	12"	<i>Reservoir Shock</i>	255/70	Y	31.10"	19.53"
AK7112S04	12"	<i>Non-Reservoir Shock</i>	255/70	N	31.10"	19.53"
AK7112SBB	12"	<i>Reservoir Short Body</i>	255/70	Y	27.68"	16.10"
B46-1351R	12"	<i>Reservoir Shock</i>	275/78	Y	31.10"	19.53"
B46-1351S	12"	<i>Non-Reservoir Shock</i>	275/78	N	31.10"	19.53"
AK7112SBA	12"	<i>Reservoir Short Body</i>	275/78	Y	27.68"	16.10"
B46-0350R	12"	<i>Reservoir Shock</i>	360/80	Y	31.10"	19.53"
B46-0350S	12"	<i>Non-Reservoir Shock</i>	360/80	N	31.10"	19.53"
AK7112SB06	12"	<i>Reservoir Short Body</i>	360/80	Y	27.68"	16.10"
AK7112R99	12"	<i>Reservoir Shock</i>	Custom	Y	31.10"	19.53"
AK7112S99	12"	<i>Non-Reservoir Shock</i>	Custom	N	31.10"	19.53"
AK7112SB99	12"	<i>Reservoir Short Body</i>	Custom	Y	27.68"	16.10"

<i>14" Travel</i>						
AK7114R01	14"	<i>Reservoir Shock</i>	150/50	Y	35.22"	20.83"
AK7114S01	14"	<i>Non-Reservoir Shock</i>	150/50	N	35.22"	20.83"
AK7114SB01	14"	<i>Reservoir Short Body</i>	150/50	Y	33.84"	19.53"
AK7114RA	14"	<i>Reservoir Shock</i>	170/60	Y	35.22"	20.83"
AK7114SA	14"	<i>Non-Reservoir Shock</i>	170/60	N	35.22"	20.83"
AK7114SBA	14"	<i>Reservoir Short Body</i>	170/60	Y	33.84"	19.53"
AK7114R03	14"	<i>Reservoir Shock</i>	180/75	Y	35.22"	20.83"
AK7114S03	14"	<i>Non-Reservoir Shock</i>	180/75	N	35.22"	20.83"
AK7114SB03	14"	<i>Reservoir Short Body</i>	180/75	Y	33.84"	19.53"
AK7114R04	14"	<i>Reservoir Shock</i>	255/70	Y	35.22"	20.83"
AK7114S04	14"	<i>Non-Reservoir Shock</i>	255/70	N	35.22"	20.83"
AK7114SB	14"	<i>Reservoir Short Body</i>	255/70	Y	33.84"	19.53"
AK7114R05	14"	<i>Reservoir Shock</i>	275/78	Y	35.22"	20.83"
AK7114S05	14"	<i>Non-Reservoir Shock</i>	275/78	N	35.22"	20.83"
AK7114SB05	14"	<i>Reservoir Short Body</i>	275/78	Y	33.84"	19.53"
AK7114R06	14"	<i>Reservoir Shock</i>	360/80	Y	35.22"	20.83"
AK7114S06	14"	<i>Non-Reservoir Shock</i>	360/80	N	35.22"	20.83"
AK7114SB06	14"	<i>Reservoir Short Body</i>	360/80	Y	33.84"	19.53"
AK7114R99	14"	<i>Reservoir Shock</i>	Custom	Y	35.22"	20.83"
AK7114S99	14"	<i>Non-Reservoir Shock</i>	Custom	N	35.22"	20.83"
AK7114SB99	14"	<i>Reservoir Short Body</i>	Custom	Y	33.84"	19.53"

CUSTOM FIT		APPLICATIONS				
Part #	Travel	Description	Valving	Reservoir	Extended	Collapsed
7100 SERIES <i>continued</i>						
<i>VW Off-Road</i>						
B46-0930R*	5.36"	Rear Swing Axle or IRS		Y	16.04"	10.81"
B46-0930S*	5.36"	Rear Swing Axle or IRS		N	16.04"	10.81"
B46-1085R	6.65"	Front Ball Joint Beam Cut and Turned		Y	18.46"	11.83"
B46-1085S	6.65"	Front Ball Joint Beam Cut and Turned		N	18.46"	11.83"

*Optional coilover kit available (Part #B4-BOA-0000117)

Part#	Travel	Description	Valving	Reservoir	Shaft Diameter	Extended	Collapsed
8125 SERIES 46mm* (2")							
33-225463	5"	46mm* Coilover w/ Hardware		46mm*	22mm	17.00"	12.00"
33-225487	6"	46mm* Coilover w/ Hardware		46mm*	22mm	19.00"	13.00"
33-225500	8"	46mm* Coilover w/ Hardware		46mm*	22mm	23.00"	15.00"
33-225524	10"	46mm* Coilover w/ Hardware		46mm*	22mm	27.00"	17.00"
33-225548	12"	46mm* Coilover w/ Hardware		46mm*	22mm	31.50"	19.50"
33-225562	14"	46mm* Coilover w/ Hardware		46mm*	22mm	35.50"	21.50"
33-225586	16"	46mm* Coilover w/ Hardware		46mm*	22mm	39.50"	23.50"

Part#	Travel	Description	Valving	Reservoir	Shaft Diameter	Extended	Collapsed
8125 SERIES 60mm* (2.65")							
<i>8" Travel</i>							
33-225494	8"	60mm* Coilover Short Body w/ Hardware		60mm*	22mm	24.00"	16.00"
33-225579	8"	60mm* Coilover w/ Hardware		60mm*	22mm	25.50"	17.50"

<i>10" Travel</i>							
33-225517	10"	60mm* Coilover Short Body w/ Hardware		60mm*	22mm	28.50"	18.50"
33-225593	10"	60mm* Coilover w/ Hardware		60mm*	22mm	29.50"	19.50"

<i>12" Travel</i>							
33-225531	12"	60mm* Coilover Short Body w/ Hardware		60mm*	22mm	32.50"	20.50"
33-225616	12"	60mm* Coilover w/ Hardware		60mm*	22mm	33.50"	21.50"

<i>14" Travel</i>							
33-225555	14"	60mm* Coilover Short Body w/ Hardware		60mm*	22mm	37.00"	23.00"
33-225630	14"	60mm* Coilover w/ Hardware		60mm*	22mm	38.50"	24.50"

<i>16" Travel</i>							
33-225654	16"	60mm* Coilover Standard Body		60mm*	22mm	42.50"	26.50"

*BILSTEIN measures shock size by piston diameter. Outer body diameter is the industry standard measurement for off-road shocks.

BILSTEIN Piston Diameter	Outer Body Diameter
46mm	2.0"
60mm	2.65"



9200 Series Bypass <
9200 Series Coilover <
Blackhawk® 9300 Series <



9200 SERIES Bypass

BILSTEIN 9200 Series Bypass shocks are position sensitive and adjustable, offering 6 zones of damping control and 4 external adjusters: 2 rebound and 2 compression. Utilizing an externally adjustable bypass shock is the easiest and most effective way to tune your off-road suspension for ultimate performance.

**BILSTEIN measures shock size by piston diameter. Outer body diameter is the industry standard measurement for off-road shocks.*

BILSTEIN Piston Diameter	Outer Body Diameter
60mm	2.65"
70mm	3.0"
83mm	3.5"

Product Highlights

- > Available in 60mm*, 70mm* and 83mm* monotubes
- > 4-tube, position sensitive with adjustable rebound and compression
- > Multiple stroke lengths available ranging from 8" to 18"
- > 60mm* piggy back or remote reservoir
- > Case hardened, centerless ground piston rod (22mm or 1 1/8") depending on body diameter
- > Machined billet aluminum components
- > 5/8" uniball mounts with 1/2" step spacers
- > 3 stage high-temp seal
- > Red synthetic high-temp racing oil
- > Zinc plated
- > Multiple valvings available
- > Owner rebuildable
- > Made in the USA

9200 SERIES Coilover

Product Highlights

- > Available in 46mm* and 60mm* monotubes
- > Threaded body with dual rate coilover hardware
- > Multiple stroke lengths available ranging from 8" to 16"
- > Case hardened, centerless ground 22mm piston rod
- > Machined billet aluminum components
- > 5/8" uniball mounts with 1/2" step spacers
- > 60mm* remote reservoir
- > 3 stage high-temp seal
- > Red synthetic high-temp racing oil
- > Zinc plated
- > Multiple valvings available
- > Owner rebuildable
- > Made in the USA

9200 Series Coilover uses industry standard coilover springs

- > 46mm* shock uses a 2.5" ID Coilover Spring
- > 60mm* shock uses a 3.0" ID Coilover Spring

**BILSTEIN measures shock size by piston diameter. Outer body diameter is the industry standard measurement for off-road shocks.*

BILSTEIN Piston Diameter	Outer Body Diameter
46mm	2.0"
60mm	2.65"



Remote Reservoir

- > 4-1/2" diameter x 12" 6061-T6 aluminum reservoir housing
- > Anti-cavitation valve (ACV) (U.S. Patent 7628259) and large reservoir diameter reduces the required gas pressure, lowering the piston rod pressure and giving the vehicle greater damping control

BLACK HAWK® 9300 SERIES

The Black Hawk® 9300 Series is the ultimate in off-road race shock technology. Its Radial Bypass Damping™ (RBD) design provides a superior level of performance and tuning capability. It's big and bold with an unmistakable hard anodized finish.

Product Highlights

- > One piece 6061 extruded aluminum body with hard anodized finish
- > 30% faster heat dissipation
- > 10% - 25% lighter than similar welded bypass steel shocks
- > 4.5" diameter aluminum reservoir with anti-cavitation valve (ACV)
- > Bypass tubes allow for position sensitive damping adjustability
- > Completely owner tunable and rebuildable
- > Made in the USA



Shock Body (U.S. Patent 7191877)

- > Rapid heat dissipating, one piece extruded 6061 aluminum construction featuring Radial Bypass Damping™ (RBD) technology
- > Approximately 30% faster cooling efficiency than steel and up to 100° lower peak operating temperatures
- > Stronger and 10%-25% lighter than similar welded steel bypass shock bodies without the distortion from welding

Incremental Bypass Flow Metering Valve™ (IFMV)
(U.S. Patent 7325660)



- > Extremely accurate, incremental flow adjustment within a sealed mechanism for extreme resistance to dirt contamination
- > Easily adjustable color-coded Rebound (red) and Bump (blue) IFMV adjusters with an internal detent feature providing prominent “clicks” to each of the 9 settings
- > High impact, titanium check valve piston providing excellent wear characteristics

PROFESSIONAL		APPLICATIONS					
Part #	Travel	Description	Valving	Reservoir Body	Shaft Diameter	Extended	Collapsed
9200 SERIES BYPASS							
9200 SERIES BYPASS 83mm* (3.5")							
33-246666	10"	83mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	29.5"	19.5"
33-246673	12"	83mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	33.5"	21.5"
33-246680	14"	83mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	38.5"	24.5"
33-246697	16"	83mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	42.5"	26.5"
33-246703	18"	83mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	46.5"	28.5"

9200 SERIES BYPASS 70mm* (3")							
33-241210	10"	70mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	29.5"	19.5"
33-241227	12"	70mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	33.5"	21.5"
33-241234	14"	70mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	38.5"	24.5"
33-241241	16"	70mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	42.5"	26.5"
33-241258	18"	70mm* Bypass (4 Tube)	Custom	60mm*	1 1/8"	46.5"	28.5"

9200 SERIES BYPASS 60mm* (2.65")							
33-246710	8"	60mm* Bypass Short Body (4 Tube)	Custom	60mm*	22mm	24.0"	16.0"
33-246727	8"	60mm* Bypass (4 Tube)	Custom	60mm*	22mm	25.5"	17.5"
33-246734	10"	60mm* Bypass Short Body (4 Tube)	Custom	60mm*	22mm	28.5"	18.5"
33-246741	10"	60mm* Bypass (4 Tube)	Custom	60mm*	22mm	29.5"	19.5"
33-246758	12"	60mm* Bypass Short Body (4 Tube)	Custom	60mm*	22mm	32.5"	20.5"
33-247120	12"	60mm* Bypass (4 Tube)	Custom	60mm*	22mm	33.5"	21.5"
33-246765	14"	60mm* Bypass Short Body (4 Tube)	Custom	60mm*	22mm	37.0"	23.0"
33-247137	14"	60mm* Bypass (4 Tube)	Custom	60mm*	22mm	38.5"	24.5"
33-246772	16"	60mm* Bypass (4 Tube)	Custom	60mm*	22mm	42.5"	26.5"

9200 SERIES COILOVER

9200 SERIES COILOVER 60mm* (2.65")							
33-243764	8"	60mm* Coilover w/ Hardware	180/75	60mm*	22mm	25.5"	17.5"
33-244464	8"	60mm* Coilover w/ Hardware	255/100	60mm*	22mm	25.5"	17.5"
33-244518	8"	60mm* Coilover w/ Hardware	360/80	60mm*	22mm	25.5"	17.5"
33-243771	10"	60mm* Coilover w/ Hardware	180/75	60mm*	22mm	29.5"	19.5"
33-244471	10"	60mm* Coilover w/ Hardware	255/100	60mm*	22mm	29.5"	19.5"
33-244525	10"	60mm* Coilover w/ Hardware	360/80	60mm*	22mm	29.5"	19.5"
33-243788	12"	60mm* Coilover w/ Hardware	180/75	60mm*	22mm	33.5"	21.5"
33-244488	12"	60mm* Coilover w/ Hardware	255/100	60mm*	22mm	33.5"	21.5"
33-244532	12"	60mm* Coilover w/ Hardware	360/80	60mm*	22mm	33.5"	21.5"
33-243795	14"	60mm* Coilover w/ Hardware	180/75	60mm*	22mm	38.5"	24.5"
33-244495	14"	60mm* Coilover w/ Hardware	255/100	60mm*	22mm	38.5"	24.5"
33-244549	14"	60mm* Coilover w/ Hardware	360/80	60mm*	22mm	38.5"	24.5"
33-243801	16"	60mm* Coilover w/ Hardware	180/75	60mm*	22mm	42.5"	26.5"
33-244501	16"	60mm* Coilover w/ Hardware	255/100	60mm*	22mm	42.5"	26.5"
33-244556	16"	60mm* Coilover w/ Hardware	360/80	60mm*	22mm	42.5"	26.5"

		APPLICATIONS				
Part #	Travel	Description	Valving	Reservoir Body	Shaft Diameter	Extended Collapsed
9200 SERIES COILOVER 46mm* (2")						
33-246789	8"	46mm* Coilover w/ Hardware	180/75	60mm*	22mm	23.0" 15.0"
33-246796	8"	46mm* Coilover w/ Hardware	255/100	60mm*	22mm	23.0" 15.0"
33-246802	8"	46mm* Coilover w/ Hardware	360/80	60mm*	22mm	23.0" 15.0"
33-246819	10"	46mm* Coilover w/ Hardware	180/75	60mm*	22mm	27.0" 17.0"
33-246829	10"	46mm* Coilover w/ Hardware	255/100	60mm*	22mm	27.0" 17.0"
33-246833	10"	46mm* Coilover w/ Hardware	360/80	60mm*	22mm	27.0" 17.0"
33-246840	12"	46mm* Coilover w/ Hardware	180/75	60mm*	22mm	31.5" 19.5"
33-246857	12"	46mm* Coilover w/ Hardware	255/100	60mm*	22mm	31.5" 19.5"
33-246864	12"	46mm* Coilover w/ Hardware	360/80	60mm*	22mm	31.5" 19.5"
33-246871	14"	46mm* Coilover w/ Hardware	180/75	60mm*	22mm	35.5" 21.5"
33-246888	14"	46mm* Coilover w/ Hardware	255/100	60mm*	22mm	35.5" 21.5"
33-246895	14"	46mm* Coilover w/ Hardware	360/80	60mm*	22mm	35.5" 21.5"
33-246901	16"	46mm* Coilover w/ Hardware	180/75	60mm*	22mm	39.5" 23.5"
33-246918	16"	46mm* Coilover w/ Hardware	255/100	60mm*	22mm	39.5" 23.5"
33-246925	16"	46mm* Coilover w/ Hardware	360/80	60mm*	22mm	39.5" 23.5"

9200 SERIES CARRIER 46mm* (2" NON-RESERVOIR)						
33-243528	8"	46mm* Coil-Carrier w/ Hardware	N/A	No	22mm	23.0" 15.0"
33-243535	10"	46mm* Coil-Carrier w/ Hardware	N/A	No	22mm	27.0" 17.0"
33-243542	12"	46mm* Coil-Carrier w/ Hardware	N/A	No	22mm	31.5" 19.5"
33-243559	14"	46mm* Coil-Carrier w/ Hardware	N/A	No	22mm	35.5" 21.5"
33-243566	16"	46mm* Coil-Carrier w/ Hardware	N/A	No	22mm	39.5" 23.5"

9200 Series Technical Specifications

Coilover Body: Monotube Seamless Steel 60mm or 46mm ACME Thread

Bypass Body(4-Tube): Monotube, Seamless Steel 60mm, 70mm, 83mm

Piston Rod (For 70mm and 83mm shocks): 1 1/8" Centerless Ground, Case Hardened

Piston Rod (For 46mm and 60mm shocks): 22mm Centerless Ground, Case Hardened

Piston: 7075 Machined Aluminum, Hard Anodized

Piston (For 46mm shocks): Centered Metal

Valving: Deflective Disc, Velocity Sensitive. Independent Rebound and Compression Tuning

Piston Wear Band: Bronze with DP4 Coating. O-Ring Tensioned

Seal: 3 Stage High Temperature (Cup Seal, High Pressure Seal, Wiper)

Reservoir: 60mm Machined Seamless Steel

Dividing Piston: Machined Aluminum, Hard Anodized with Viton O-ring

Oil: Red High Temp Synthetic

Hose: High Temp Matchmate Aeroquip (Optional Straight, 90 Degree, 45 Degree)

Rod End: Machined Steel, Zinc Plated

Uniball: 5/8" Corn 10, Stainless Steel, Teflon Lined

Top Cap: Machined Aluminum, Black Hard Anodized

Bypass Adjuster: Chromoly Incremental Flow Metering Check Valve

Bypass Tubing (For 60mm Shocks): 5/8" OD

Bypass Tubing (For 70mm and 83mm Shocks): 3/4" OD

Coilover Jounce Stop: 3 Stage Closed Cellular Foam

Finish: Zinc Plated

Coilover Hardware: Machined Aluminum, Hard Anodized Top Adjuster and Spring Hat, Steel Crossover Nuts, Fiberglass Impregnated Nylon Slider

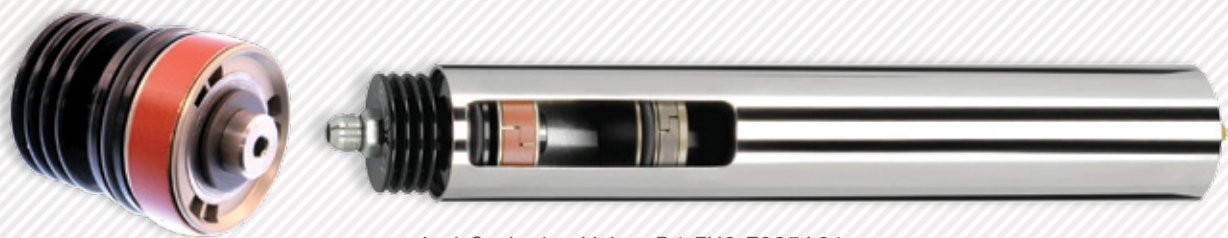
*BILSTEIN measures shock size by piston diameter. Outer body diameter is the industry standard measurement for off-road shocks.

BILSTEIN Piston Diameter	Outer Body Diameter
46mm	2.0"
60mm	2.65"
70mm	3.0"
83mm	3.5"

		APPLICATIONS				
Part #	Travel	Description	Valving	Reservoir Body	Shaft Diameter	Extended Collapsed
BLACK HAWK® 9300 SERIES						
AK9312BY	12"	Black Hawk 4 Tube Bypass	Custom	4.5"	1 1/8"	34.75" 22.75"
AK9314BY	14"	Black Hawk 4 Tube Bypass	Custom	4.5"	1 1/8"	38.75" 24.75"
AK9316BY	16"	Black Hawk 4 Tube Bypass	Custom	4.5"	1 1/8"	42.75" 26.75"
AK9318BY	18"	Black Hawk 4 Tube Bypass	Custom	4.5"	1 1/8"	46.75" 28.75"

Extended rod ends available in 1", 2", 3"

60mm ANTI-CAVITATION VALVE (ACV)



Anti-Cavitation Valve: B4-FU0-Z005A01

The 60mm ACV is a stationary piston which can be optionally located at the port of the remote reservoir attached to 9200 Series shock absorbers. The ACV is designed to exponentially increase the internal pressure on the shock oil as the velocity of the shaft stroke increases. By virtually eliminating the possibility of shock fade due to cavitation, the shock is able to reach high levels of operating performance.

Additionally, the 60mm ACV allows for a broader range of damping, offering a comfortable ride while maintaining a superior level of control. The ability to adjust the valving of both the main piston and the ACV offers a limitless number of achievable combinations for unequaled damping performance. Proper tuning of this system greatly reduces the event of hard bottoming at full compression.

The ACV is primarily recommended for front application coilover and smooth body shock absorbers. If you are interested in this added feature, please consult the BILSTEIN Off-Road Racing Department for proper tuning specifications.



BUMP STOPS

BILSTEIN's new generation bump stops feature extremely durable Delrin® strike pads. The Delrin® pads are simple to replace and offer a cost effective replacement to aluminum tips, plus they can be retrofitted to earlier model bump stops. The new BILSTEIN bump stops are available in 2", 3" and 4" travel models.

Product Highlights

- > Thick-walled monotube design
- > Seamless steel & electroless nickel finished body
- > Universal frame bracket fitment (2" O.D.)
- > 1-1/4" hardened chrome steel shaft
- > Nitrogen pressure adjustable

Part #	Travel		Valving	Extended	Collapsed
F4-BE5-G724-M0	4"	Bump Stop w/ Delrin® Tip	Standard	13.2"	9.42"
F4-BE5-G723-M0	3"	Bump Stop w/ Delrin® Tip	Standard	12.2"	9.42"
F4-BE5-G722-M0	2"	Bump Stop w/ Delrin® Tip	Standard	11.2"	9.42"

SERVICING YOUR SHOCKS (9300/9200/8125/7100 Series) – USE NITROGEN ONLY!

All shocks with a reservoir or schrader valve should be serviced on a regular basis. Failure to service your shock will reduce the life span and damage the shock absorber.

Nitrogen can be serviced through a fill valve located on the shock body (schrader shock) or at the end of the reservoir (reservoir shock).

Tip: If the suspension begins to feel soft, you may need to increase nitrogen pressure. A BILSTEIN Gas Filling Tool (part #193000) is available. Please contact a BILSTEIN dealer for more details. Nitrogen bottles typically can be purchased at a welding supply store.

Do not attempt to repair or rebuild any shock if you are not qualified to do so.

9300 / 9200 / 8125 Series are delivered without nitrogen pressure. These shocks must be filled prior to use. Proper fill level ranges from 180 – 250 PSI on 9200 / 8125. Fill level ranges for 9300 Series are 70 – 100 PSI.

INSTALLATION

9300/9200/8125/7100/7100 Classic/5165/5125 Series

These products are not intended for use on any OEM applications, and may not directly fit in standard mounting locations. **The user is responsible for determining the suitability of these products.**

Incorrect installation can lead to the failure of this product. Below are a few tips:

- These shocks cannot be used as a compression limiter. Failure of the shock and/or mounts will result.
- Limit strap is strongly recommended on any high-speed application where suspension oscillations to “full droop” are a common occurrence.
- The 9300 Series, 9200 Series, 8125 Series, 7100 Series, 7100 Classic Series are supplied with (4) heim spacers, which must be placed on both sides of the spherical bearing (top and bottom). The purpose of these spacers is to allow the spherical bearing to articulate as the shock cycles through its travel. It is very important that the heim spacers, or any part of the mount brackets, etc., do not contact the end loop during operation. Any interference with the free movement of the bearings may result in a bent or broken piston rod.
- It is very important to cycle the suspension to “full bump” and “full droop” before operating the vehicle with this product. Failure can occur if the shock body comes in contact with the chassis, tire and wheel, or suspension of the vehicle.

6112/5160/5100 Series

These shocks may only be used for specific applications. Due to the variations in lift kit manufacturers' systems, it is the responsibility of the installer/end user to confirm that the shocks are dimensionally correct. Most lift kits require lowered bump stops to compensate for longer shocks mounted into the OEM location. BILSTEIN will not be liable for damage caused by a full compression impact of the shock absorber.

OWNER REBUILDABLE SHOCKS (9300/9200/8125/7100 Series)

The 9300 Series, 9200 Series, 8125 Series and 7100 Series are fully owner rebuildable and revalvable. Any component can be purchased through a BILSTEIN dealer or direct from BILSTEIN. Owner rebuildable shocks can also be revalved and serviced by BILSTEIN, if requested. For a complete parts listing please refer to www.bilsteinUS.com. For 9300 Series, please contact BILSTEIN Off-Road Department direct at 1-800-537-1085 for parts, service or technical questions.

FACTORY REBUILDABLE SHOCKS (7100 Classic/6112/5165/5160/5125/5100 Series)

Factory rebuildable shocks can be serviced by the BILSTEIN Technical Center in Poway, California. These shocks can be rebuilt to factory specification or revalved to a new specification. Internal adjustments can be made independently to the rebound and compression damping forces. For more information please contact BILSTEIN at **1-800-537-1085**.

ZINC PLATED FINISH (9200/8125/6112/5165/5160/5125/5100 Series)

9200 Series, 8125 Series, 5165 Series, 5160 Series, 5125 Series, and 5100 Series feature a proprietary BILSTEIN zinc plated finish. This finish must be serviced in order to maintain its luster. Particularly in moist climates, a protective coating, such as a wax or lubricating oil should be periodically applied to prevent tarnishing. This finish is not covered under warranty.

LIMITED 90 DAY WARRANTY (9300/9200/8125/7100/7100 Classic/5165/5160/5125 Series)

BILSTEIN warrants to the original retail purchaser that, for a period of ninety (90) days from the date of purchase, this product shall be free from defects in material and workmanship. Any implied warranty of merchantability, fitness or fitness for particular purpose, except as may be prohibited by applicable law, is likewise limited in duration to ninety (90) days from the date of original retail purchase. Some states do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you.

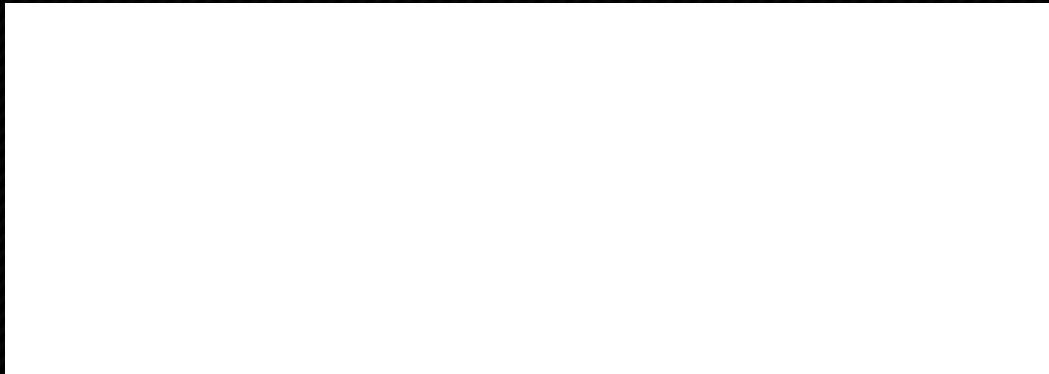
This warranty is non-transferable and does not cover normal wear and tear or any other loss, liability or damage resulting from improper alteration, disassembly, handling, installation, service, repair or use of this product. Should this product fail as a result of a defect in materials or workmanship within the warranty period, contact BILSTEIN's Customer Service Department by telephone at 1-800-537-1085, or in writing at ThyssenKrupp BILSTEIN of America 14102 Stowe Drive, Poway, California 92064 for repair or replacement at manufacturer's option.

Repair or replacement as provided by this warranty is customer's sole and exclusive remedy in the event of a product failure. Manufacturer shall not be liable for any incidental, consequential or other damages resulting from the disassembly, handling, installation, service, repair or use of this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

BILSTEIN Off-Road Racing Department
14102 Stowe Drive, Poway, CA 92064

Phone | (800) 537-1085



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