



STaSIS B8-A4/S4/A5/S5 SL Suspension

General Description

The STaSIS Challenge Suspension incorporates Ohlins racing damper technology and is a direct, bolt-in replacement for the original manufacturer (OEM) springs and dampers. All appropriate hardware is included, no chassis modifications are required. We engineer our system to eliminate the OEM “compliant” vehicle dynamics. This delivers the driver a vehicle with vastly enhanced performance and control while maintaining ride quality that is closely matched to OEM levels. Our system has undergone extensive testing in real world situations which include urban, suburban, rural areas, and the race track. With our SL suspension, any active damping control from Audi will not be compatible.

STaSIS can be defined as a condition of balance among various forces and that is the driving force behind our unique engineering approach. Drawing on years of motorsport and engineering experience the STaSIS team develops a range of products for a vehicle that work harmoniously together.

System Contents

- (2) STaSIS/Ohlins front dampers
- (2) STaSIS/Ohlins rear dampers
- (2) Eibach linear front springs
- (2) Eibach linear rear springs
- (2) Eibach tender springs
- (4) STaSIS CNC 6061-T6 aluminum and Stainless Steel mounting hardware
- (2) STaSIS CNC 6061-T6 aluminum rear height adjustable spring perch assemblies
- (2) STaSIS delrin front upper spring seats
- (2) STaSIS spring perch wrench

Supported Audi Vehicles

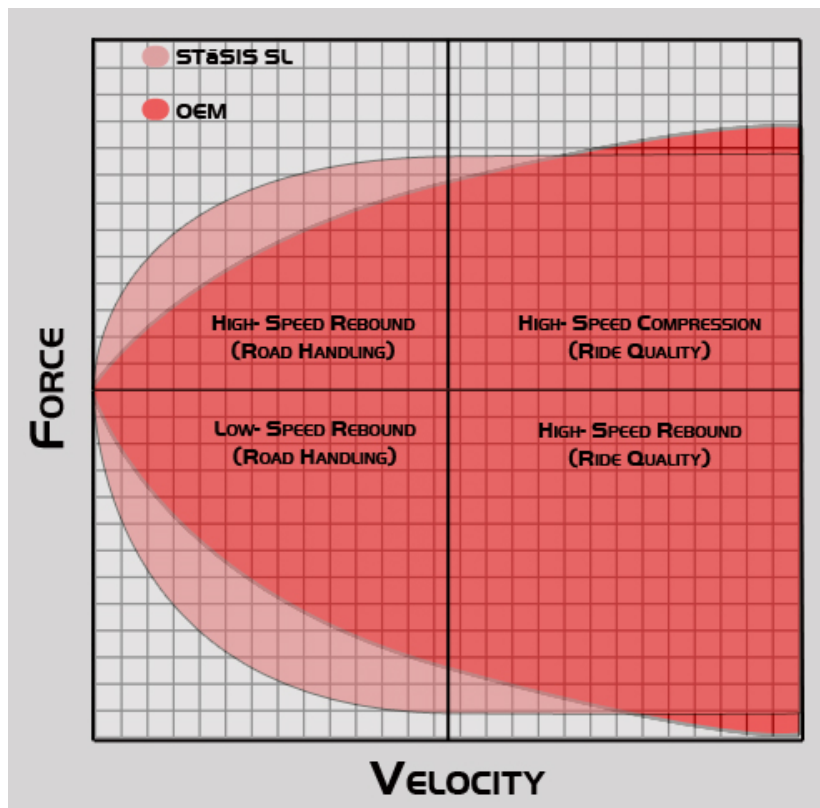
Model: A4/S4/A5/S5
Model Years: 2008-Present



STaSIS
ENGINEERING

Features

- System is a direct replacement for (OEM) dampers and springs
 - Adjustable in height only, our double digressive valving has been specified for each selected vehicle and requires no adjustments
 - Dampers are lightweight monotube and feature a steel body.
 - Height adjustable coil-over front, while rear dampers and springs remain separate with adjustable rear perches
 - De Carbon design uses dividing piston to keep nitrogen and fluid separate, this prevents cavitation and ensures consistent damping in harsh environments
- Suspension system lowers vehicle for a more aggressive stance while improving the grip, feel, balance, and roll stiffness
 - Improves lateral G-Load, skid-pad results show increases up to 19%
 - The front roll stiffness is increased approximately 50% and the rear approximately 140%
 - When paired with our rear anti roll bar, understeer is virtually eliminated
- The STaSIS linear rate spring made from unique, cold wound and shot-peened alloy with a 290,000psi tensile strength
 - Spring rate independent of changes in deflection, variations in contact patch loading remain consistent
 - Springs have been powder-coated to resist damage and corrosion



Sample of STaSIS vs OEM damper curves