

AST Suspension Product Line-up

AST 2000 series

With the 2000 series AST wants to offer a product for a new type of customer. This series is specially setup for tuners and show cars. The performance is up to the AST specifications as far as this is possible for a twin tube system. They are equipped with a fixed damping rate. By doing this we were able to design the shock for a different market.

With the development we really looked at the 4100 series shimstack in order to match these setups. The shocks offer a minimum lowering of 30mm. We have formed springs for most applications, this results in a perfect fitment without need for special spring platforms.

This also keeps the noise down to a minimum and makes fitment with OEM top mounts very easy. Our adjustable platforms are anodized in the well known orange AST color. To ensure the quality of the system we sell them with TÜV.

The 2000 series offers:

- Twin tube system
- Lowering from minimal 30mm up to 60mm
- Formed springs for most applications
- TÜV
- 2 years warranty



AST Suspension Product Line-up

Sportline 1 (4100 serie)

The 4100 Series shocks introduce high performance monotube technology at prices competitive with twin tube insert coilover kits. They include purpose built strut and shock bodies, shortened from stock lengths. All kits come with anodized aluminum adjusters that stay on the shock; no need to keep your pockets full of tools to make quick adjustments. We offer full rebuilding and revalving services for AST shocks at competitive prices. This includes quick turn around when you need it the most.

Benefits include:

- Floating piston design with high pressure nitrogen eliminates cavitation around the piston.
- 22mm / 14mm diameter shaft struts, non-inverted.
- Steel cylinder body shocks, non-inverted.
- Rebound adjustable ("Singles").
- Low friction seal.
- Adjuster knobs permanently mounted on the dampers, no need for special tools.
- Rubber bushings for "eye" shock mounts.
- Optional spherical top mounts.
- Optional DDP piston (double digressive).
- Rebuildable and fully serviceable.
- Optional custom valving



AST Suspension Product Line-up

Sportline II (5100 serie)

The 5100 Series shock absorbers utilise inverted / upside down technology. The inverted design is race proven technology and produces an extremely strong damper, providing better suspension geometry under heavy lateral and braking loads as seen in a road and track environment.

The 5100 Series shock absorbers give your car a better performance than the standard twin tube design. With the 5100 Series suspension you can adjust rebound with one knob. The adjust platform allows you to adjust the ride height of your car. AST suspension shock bodies are specially designed to keep maximum stroke, even with a lower ride height.

Benefits include:

- Floating piston design with high pressure nitrogen means no cavitation around the piston.
- 14mm diameter internal shaft.
- 44.5 mm diameter shaft struts, inverted.
- Steel cylinder body shocks, inverted.
- High end, track ready suspension.
- Rebound adjustable ("Singles").
- Low friction seal.
- Adjuster knobs permanently mounted on the dampers.
- Rubber bushings for "eye" shock mounts.
- Optional spherical top mounts.
- Optional DLC Coated shafts.
- Optional DDP piston (double digressive).



AST Suspension Product Line-up

Sportline II (5200 serie)

The 5200 Series are 2-way adjustable shock absorbers which are based upon competition 3-way adjustable shock absorbers. The 5200 shock absorbers are adjustable in compression and rebound.

The design of the compression adjuster is an evolution of the compression adjuster we provided for the American Grand-Am series for the last few years. The 5200 shock absorbers were designed to achieve a quick and easy set up, allowing separate adjustment of compression and rebound.

In the 5200 Series AST uses an external canister. Throughout testing and competitions, the 5200 has been praised for its performance and capabilities, surpassing other major, more expensive brands and setting a new standard of 2 way damper. Its no surprise that the 5200 is fast becoming a favorite damper amongst race teams and track day enthusiasts world wide.

Benefits include:

- High end, track ready suspension that is totally streetable.
- Fully upgradeable to 5300 spec.
- Rebound and Compression Adjustable ('Doubles'), with a remote reservoir.
- Remote reservoirs allow additional travel, heat dissipation and increased oil/nitrogen gas capacity.
- 44.5mm diameter shaft struts are inverted and offer exceptional strength, which in turn reduces geometry change under corner and braking manoeuvres.
- Aluminum cylinder, threaded body shocks, factory mounting style.
- New low friction seal on all AST dampings.
- Spherical lower "eye" shock mounts.
- Reservoir with hose or piggyback (piggyback examples: '08 STI & BMW E36 rears).
- Spherical upper shock mount assemblies.
- Synthetic hydraulic fluid.
- Optional DLC Coated shafts.
- Optional DDP piston (double digressive).
- Fully service and rebuildable.



AST Suspension Product Line-up

Sportline II (5300 serie)

For the best performance on the track, AST Suspension designed the Competition 3-way adjustable series. The 5300 Series shock absorbers are rebound adjustable in 12 positions on the strut.

The highspeed compression is adjustable in 12 positions and the lowspeed compression is adjustable in 14 positions. Both compression adjustments are made using an external canister. All adjusters work completely independent.

Many years of technical knowledge, testing and experience has been refined, fettled and brought together to create a perfect balance between the choice of springs and the corresponding damping characteristics. This makes it a versatile product for every customer. The 5300 series shock absorbers are the best solution for every race team. Once installed the shock absorbers are easy to setup, highly reliable and require low maintenance during the season because of the high grade of materials used.

All of this together makes the 5300 series shock absorbers a championship winning damper, over and over again. The AST 5300 Suspension is worldwide renowned for its performance at every level.

Benefits include:

- High end, track ready suspension.
- Rebound, Low & Hi Speed Compression Adjustable ('Triples'), with a remote reservoir.
- Remote reservoirs allow additional travel, heat dissipation and oil/nitrogen gas capacity.
- 44.5mm diameter shaft struts are inverted and offer exceptional strength, which in turn reduces geometry change under corner and braking manoeuvres.
- Aluminum cylinder, threaded body shocks, factory mounting style.
- New low friction seal on all AST dampers.
- Spherical lower "eye" shock mounts.
- Reservoir with hose or piggyback (piggyback examples: '08 STI & BMW E36 rears).
- Spherical upper shock mount assemblies.
- Synthetic hydraulic fluid.
- Optional DLC Coated 44,5mm inverted shafts.
- Optional DDP piston (double digressive).
- Fully serviceable and rebuildable.
- Revalvable for specific characteristics.



AST Suspension

AST Lowering Springs

Discover our range of AST Lowering Springs

These springs are made of chrome – silicon material, after winding these springs the material gets heated to relax the metal. They heat the springs from 300 to 460 degrees this depends on the material thickness. After this process the springs get sandblasted with little bullets, so called shot peening. The advantage of shot peening is that the coating will stick better on the surface.



AST Suspension

AST Suspension miscellaneous products

AST Suspension Topmounts

It is not always possible to adjust camber of a racing car perfectly, AST adjustable top mounts brings a change into this. With 4 bolts you can simply adjust the camber of the car. AST uses the same materials and bearings as they use in the aviation industry. That is the reason that the top mounts are almost free of maintenance. AST guarantees a good quality product



Air Jacks

During a pit-stop every second counts. The time taken to jack up your car could mean the difference between first and second place. The air jacks are made from the same material as used for AST's shock absorbers. They are available in 2 different diameters, so they can be used for different competition cars. AST's competition level jacks were available for years under the name ARAGOSTA in the Asia market.

AST covers the full kit including hard tubing , safetystand and elephant feet



AST Suspension

AST Suspension miscellaneous products

Other products

Reservoir clamps to mount the AST Suspension reservoir everywhere you want

These are available for the 2 versions we have

AST-SL-COMP Toolkit for competition sets

AST-SLEUTEL-KIT Toolkit for Sport line sets

AST-STICKERS Various sizes 4 each

AST-TOOLKIT Complete toolkit (only available for AST approved Importers)

AST-TOOLKIT-LIGHT Toolkit for AST approved Dealers

