



## **STāSIS B8- A4 Monobloc Brake System**

### **General Description**

The STāSIS/Alcon 2 piece aluminum hat/rotor assembly replaces the original equipment manufacturer (OEM) 321 mm 1 piece cast iron rotor with a 370mm floating rotor. Coupled with our monobloc 6piston caliper, this system saves approximately 14lb of unsprung weight per corner. This system has withstood the rigors of professional racing, and the fluctuating environments in day to day driving. Greatly lowering the rotating mass of your vehicle, in conjunction with vastly enhancing stopping power brings our kit full circle.

“STāSIS is the latin root for balance. This is our philosophy in everything we design”

### **System Contents**

- (2) STāSIS/ALCON 2 piece floating rotor assemblies
- (2) ALCON Mono 6 Calipers
- (2) STāSIS caliper mounting brackets
- (1) Set of high performance brake pads
- (1) High temp brake fluid
- (1) Goodridge brake lines
- (1) Necessary mounting hardware

### **Supported Audi Vehicles**

Model: A4  
Model Years: 2009-Present

### **Features**

- 370mm STāSIS/Alcon Turbulator rotor
  - Very large air gap with directional, turbulence inducing aerofoils which provides optimized air flow characteristics to enhance cooling
  - 2-piece floating rotor construction utilizes a 6061 aluminum hat, enables up to .080” radial expansion, and .030” axial expansion
  - Able to operate at temperatures breaching 1000° F
- Alcon monobloc 6 piston caliper
  - Stronger, and 45% lighter than the OEM units
  - Unique internal, high resilient piston seals, allow quick piston activation/retraction for linear pedal input to piston output
  - Firm, linear pedal feel and largely unaffected by temperature increase



- STāSIS high performance brake pads
  - Great initial bite while maintaining exceptional rotor wear
  - Maintain high coefficient of friction up to approximately 1000° F
  - High fade resistance, great cold stopping power
- STāSIS high performance brake lines
  - Stainless Steel brake lines reduce volume changes during pressure modulation
  - Helps to reduce pedal fade, making interaction between pedal and caliper more predictable and constant
- High performance brake fluid
  - High boiling point, greatly reducing brake fade after repeated stops

	OEM Audi B8 S4	STāSIS/ALCON
Rotor Diameter (mm)	321	370
Rotor Thickness (mm)	30	32
Air Gap (mm)	11.6	19
Rotor Weight (lbs)	22	14
Caliper Description	2 piece single piston slider	Monoblock 6 piston
Caliper Weight (lbs)	14	7.80
Piston Sizes (mm)	57.15	30.13/34.95/37.82
Pad Annulus (mm)	62	49.25

**Table 1: Comparison of OEM B8 A4 and STāSIS/ALCON Brake Systems**