



Alcon AE Brake Systems

Fast road cars need powerful brakes. Durability and safety and at all speeds and conditions is the top priority for drivers of the Ultimate Driving Machine.

For every "man in the pub" who brags about the engine power of his car, there is always a quiet, confident man who knows that power is nothing without control. Apart from the fact that the most important component of the car is the nut behind the steering wheel, it's amazing to realise that MITP has never considered the total dynamic package under his rear.

Moreover, if the car is used enthusiastically, it is most likely that the standard brakes will be the first thing to stop your continued fun. Even M-Power cars only last a few laps of a circuit when driven properly. Of course, if you have never experienced brake fade before, then you are probably not driving to the limit of the car. Best value for money would probably be some circuit training....

| We don't understand why BMW make their brakes prone to fade under heavy use. Maybe it's because the brakes act like a safety valve. Rather like inherent chassis under-steer, the car tells you that it's at the limit, and is proposing you don't try harder? More likely, it is down to cost. It is definitely the case that most BMW owners will never get close to the limits of the standard brakes, so BMW don't see fit to over-engineer that element of the car for the few who will notice the difference. Sadly, they don't offer any | Is there a cheap solution? Unfortunately not. No matter which pads, discs, brake fluid or how many braided brake lines you throw at the car, all you can do is move the edges of the performance envelope. For example, if you install pads with a higher temperature rating, you merely delay the onset of fade, maybe for a couple of corners. Yes, braided lines may make the pedal a little firmer, but they can't generate more power. The only option is to install a complete brake kit of callipers, discs and pads. This is the only way you can significantly improve the | With brakes, the enemies are heat generation, heat dissipation, pedal pressure, pedal hysteresis, physical dimensional constraints, and of course ultimately, cost. Alcon brakes are in the "no expense spared" category. Yes, it is possible to spend more, but not, in our experience, alongside an appreciable gain. Below you will find a list of features and benefits that you will not be able to find on any competitive braking solution. Trust us. We have been in the BMW tuning market for nearly 30 years, and you will not find a |
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| solution, even for the M-Power cars. | performance. | more durable solution |
| Models Covered | | |
| 1 Series (E81-E87) | Front, Ø365x32 | Rear, Ø343x28 |
| 3 Series (E46 M3) | Front, Ø365x32 | Rear, Ø343x28 |
| 3 Series (E90-E93) | Front, Ø365x32 | Rear, Ø343x28 |
| Z4 Series (E89) | Front, Ø365x32 | Not Available |
| Z4 Series (E85-E86) | Front, Ø365x32 | Rear, Ø343x28 |
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Alcon AE brake kits can be installed on the front and rear axles, or the fornt axle only. Minimum wheel diameter of 18". Not every 18" wheel can accommodate Alcon brakes. Some wheel versions may require adjustment to the wheel offset.

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