



Mini Braking Components



Mini 4 pot billet alloy calipers:

The calipers are CNC machined from HE30 (6082) extruded billets, which has improved the caliper body stiffness over our previous sand cast caliper. The pistons are anodised aluminium and are fitted with dust seals. Fluid feed is via a single 3/8UNF fluid feed port. Stainless steel bolts and bleed screws are used throughout.

Weight less pads 1.26kg

Brake pads available in all compounds from fast road to full race.

1012000 7.9" solid disc for most 10" wheels

1012001 8.4" solid disc for 12&13" wheels

1012004 7.5/7.75" solid disc for restrictive 10" wheels

1012002 7.9" vented disc for most 10" wheels

1012003 8.4" vented disc for 12&13" wheels

1012005 7.5/7.75" vented disc for restrictive 10" wheels

1012070 Mini Rear Disc Conversion

This has been developed as a lightweight alternative to drum brakes. The rear disc brake conversion combines hydraulic operation for the foot brake with an effective mechanical handbrake allowing discs to be fitted to both road legal and competition cars.

The calipers are a single piston sliding type, fully dust sealed and machined from billet aluminium. The hubs, carrying a lightweight steel drilled disc are CNC machined from billet aluminium and accept standard Mini taper wheel bearings. The kits are supplied complete with all of the parts to convert from drum to disc brake and use the standard handbrake cables. The kit will fit under 10" wheels and has been designed with both road and competition usage in mind.

Weighing in at 2.8kg it is substantially lighter than any alloy drum.

KAD Brake Discs

KAD offers a range of performance brake discs for the Mini in three diameters and three face styles on solid or ventilated disc castings.

For 12" and 13" wheels, standard diameter 8.4" discs are used. For most 10" wheels, 7.9" diameter solid or vented discs can be fitted and where the 10" wheel has a more restrictive inner profile, 7.75" discs and the smaller diameter 4 pot caliper can be used. Face options are plain, grooved or cross drilled and grooved.

KAD brake discs should be fitted to the 12" wheel drive flanges and can be used with either the four pot or six pot calipers for 7.9" and 8.4" diameters and the four pot calipers for 7.75" discs.



KAD Adjustable Bias Pedal Box

KAD's adjustable bias pedal box allows accurate tuning of the front to rear brake bias. The horizontally mounted steel fabricated pedal box bolts to the existing brake master cylinder mounting studs and faces forward into engine bay. Primary bias adjustment is made by the choice of front and rear master cylinder bores and then fine tuning can be achieved by altering the pivot point of the balance bar assembly. An optional cable adjuster allows fine tuning of brake bias whilst seated in the car.

1012280 Pedal box with bias bar

1012281 2 integral reservoir master cylinders

1012282 cable adjuster



KAD Mini 6 pots and Big Disc kit

KAD manufacture two 6 pot calipers, the Type A for 7.9"-8.4" discs and the Type B for 265mm discs under 13" wheels.

Where a no compromise front brake setup is required the Mini 6 pot calipers combine super stiff caliper bodies, light weight and big pad areas for consistent, controllable and powerful brake performance.

The Type A can use Vented discs from 7.9" to 8.4" diameter due to its radial mount to the hub. The Type B is used in our big disc conversion.

This combines with a 265x20mm grooved vented disc with separate alloy mounting bell which controls disc distortion under competition heat. The 6 pots are a competition oriented brake upgrade as the calipers are not fitted with dust seals.

