

BRAKE CALIPERS



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BRAKE CALIPERS - General Information

INTRODUCTION.

For over 50 years AP Racing has been a world leader in the technology and manufacture of motorsport and high performance brake calipers.

During this period many of the world's premier races and championships have been won using AP Racing braking systems.

With one of the most comprehensive ranges available, AP Racing can offer a brake caliper suitable for every category of motorsport supplemented with a wide range of brake calipers to suit high performance road car applications for both OE and upgrade brake conversion kits. The AP Racing caliper range has been separated into the following groups to aid selection: PRO 5000 , Formula cars, GT, Rally, Touring Cars, 2 Piston, Historic, Motorcycle and Road Car.

The calipers shown from pages 5 to 30 are the most popular calipers selected from the extensive AP Racing range and will provide the solution to most, if not all, applications. The standard calipers benefit from a more competitive price structure coupled with preferential delivery times.

Specialist caliper ranges such as those used in Formula One are not shown in this catalogue. The complete range however includes many other options and the majority can be found on www.apracing.com, so if you require a caliper not illustrated please contact AP Racing for information on availability, price and delivery.



ROAD OR RACE ?

It is important to choose the correct type of brake caliper for the intended application. The design requirements for a brake caliper to be used on the public highway (Road) or for competition use are significantly different. A road caliper often has to go for long periods without servicing or maintenance therefore corrosion protection and durability are primary considerations.

A brake caliper designed for competition use must be lightweight yet capable of operating reliably at high temperatures, however it is normally cleaned and serviced very frequently. AP Racing produce brake calipers optimised for these two very different applications. Although generally derived from our racing calipers, all AP Racing road calipers have a protective paint finish, wiper (dirt) seals or boot seals to prevent dirt ingress and are of a heavier construction than calipers intended solely for competition use. We strongly recommend that only purpose designed 'Road' calipers are used on vehicles intended for regular use on the public highways.

DESIGN & DEVELOPMENT.



The whole process of design and development is carried out at our headquarters in Coventry. With our two brake dynamometers we are able to reproduce the most demanding test environments. AP Racing designers use the latest technologies to produce some of the most aesthetic and effective brake calipers at the affordable prices the markets request.

Radi-CAL™

Developed in 2007, this break from traditional design concepts has allowed AP Racing to lead the way in brake caliper design and manufacture, producing over 90 different variants for a cross selection of motorsport categories. Radi-CAL™ enabled AP Racing to take a fresh look at how the design envelope could be used and based its qualities around making calipers lighter, stiffer and run cooler, therefore making them more aesthetic to the eye.

STANDARD CALIPER FEATURES.

- ▣ **Differential Bores** and/or piston positioning are used on all AP Racing multi-piston calipers to combat pad taper.
- ▣ **High Temperature Seals** are standard on all AP Racing race (competition) calipers.
- ▣ **Hard Anodised Surface Treatment** is standard on all AP Racing competition calipers for optimum durability. (Except iron calipers and where indicated).
- ▣ **Road Calipers** have a high performance paint finish applied on top of the hard anodising for maximum durability and protection against road salts.
- ▣ Radial Mount fixings are standard unless indicated otherwise.
- ▣ All AP Racing Road calipers have piston dirt seals to protect against ingress of harmful debris.
- ▣ Where fitted, all Bridge Pipes on AP Racing calipers are Stainless Steel.
- ▣ Most AP Racing calipers are fitted with replaceable Steel Wear Plates to protect pad and caliper body.

CALIPER, SEALS & TEMPERATURE.

Because race Brake Calipers are sometimes subjected to very high and unpredictable operating temperatures, they must be examined and seals must be replaced on a regular basis to maintain efficiency and safety. Seal life is governed by time at temperature which should therefore be kept as low as possible by provision of cooling airflow. For guidance only, AP Racing offer the following recommendations (temperatures measured on outside of Caliper adjacent to logo):

- ▣ Calipers that regularly run at up to 200°C – Re-seal every other event.
- ▣ Calipers that run intermittently from 200°C to 220°C and above – Re-seal as soon as possible.
- ▣ Reduce "soak" temperatures after the car has come to rest where possible (e.g. do not leave foot on brake pedal when stationary with hot brakes) as this can cause excessive caliper temperatures.

CALIPER HANDING.

- Calipers are available to suit installation in front (Leading) or behind (Trailing) the axle.

- The following abbreviations are used in this publication:-

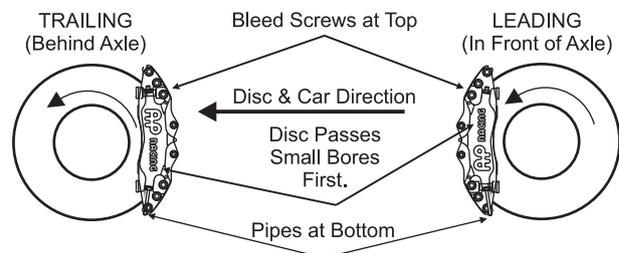
▣ RHT = Right Hand Trailing. ▣ LHT = Left Hand Trailing.

▣ RHL = Right Hand Leading. ▣ LHL = Left Hand Leading.

- Bleed screws must always be positioned at the top.

- Discs must always pass the small piston first on differential bore calipers.

- Cross over pipes must always be positioned at the bottom.



PART NUMBERING SYSTEM.

An explanation of a Brake Caliper part number;

1. 2. 3. 4. 5. 6. 7.
CP5785-2S0MPD

No.	Explanation	Description
1.	Caliper Family No.	Base Caliper No.
2.	Stroke No.	Even No. = Right hand caliper. Odd No. = Left hand caliper.
3.	Position of inlet Adaptor.	S = Sidefeed. / E = Endfeed.
4.	Anti-knockback Spring.	0 = No spring. / 4 = 4lbs. / 7 = 7lbs / 9 = 9lbs.
5.	Piston Material.	No character = Aluminium Alloy. L = Stainless Steel. & M = Titanium.
6 & 7	Options	C = Pistons fitted with caps. P = Pistons can accept caps. D = Cooling duct supplied.

SERVICING AND RECONDITIONING.

- ▣ Regular examination and maintenance of brake calipers is essential to maintain safety and efficiency of operation.
- ▣ AP Racing recommend that brake calipers should be cleaned with soapy water only, as this will not damage any of the seals.
- ▣ Replacement seals should be soaked in brake fluid for 30 minutes prior to fitment.
- ▣ AP Racing will no longer supply replacement fluid pipes for road calipers. Return to AP Racing for replacing.
- ▣ **A complete reconditioning service is available.**
- ▣ Seal repair kits and other spare parts e.g. pistons, bleed screws etc, for calipers detailed, and older obsolete calipers, are available and can be identified by referring to our website page:
- ▣ For more information please contact AP Racing.

DRY BLEED SYSTEMS (DRY BREAKS).

A Dry Bleed System has been designed for use with any AP Racing calipers suitable for 'O' Ring sealed bleed screws. The male dry bleed valve is fitted in place of the bleed screw, once fitted there should be no need to loosen or remove the coupling unless it is being replaced. For detailed information please go to page 87.

PRO 5000



INTRODUCTION.

Pro 5000 is an entry level option of Radi-CAL™ brake calipers, designed as the next generation of our popular Pro 5000 branded ranges.

Pro 5000 was developed from our experience in all areas of motorsport, the new forged designs feature the latest innovations from our pioneering asymmetric design concept. Manufactured with the same ideology as Pro 5000+ this range offers the same costing benefits but will not directly replace Pro 5000+. It should be noted that there are dimensional differences between + and ranges and all installations require checking before specifying.

- The range consists of 13 caliper variants and 16 different discs, which cover 6 & 4 piston calipers and ventilated discs from Ø390mm to Ø280mm and 36mm down to 18mm thickness.

- The 13 caliper variants are based on radially mounted two piece forged aluminium calipers and are fitted with 4lb anti-knockback springs (where applicable) with stainless steel pistons on all.

- All calipers run full depth pads.

- The discs are available with a straight or curved grooved or 'J' Hook face configurations.

- The main objective of the range is to provide a high quality "off the shelf" Radi-CAL™ brake system at a competitive price. The range will be kept to the part numbers listed in this catalogue and no variations are available.

- Alternative strength anti-knockback springs are available, please refer to AP Racing for details.

- This section provides the basic installation dimensions for both the calipers and the discs, if further information is required please contact AP Racing Technical Section.

NOTE. All dimensions in (mm) unless otherwise stated.

CUSTOMER NOTES

CP9440 & CP9441 4 Piston, Radi-CAL™



TECHNICAL SPECIFICATION

Piston Sizes	
CP9440-2/3	Ø36.0mm x 2 Ø41.3mm x 2
CP9441-2/3	Ø31.8mm x 2 Ø36.0mm x 2
Piston Area	
CP9440-2/3	47.12cm²
CP9441-2/3	36.19cm²
Weight No Pads	
CP9440-2/3	2.16Kg
CP9441-2/3/	2.1Kg
Hydraulic Thread	
M10x1.0	
Mounting Type	
Radial	
Mtg centres	
152.0mm	
Mounting offset	
44.0mm	
Mtg hole Ø	
12.15mm	
'PL' Dimension	
57.8mm	

TYPICAL APPLICATION

- General competition use.

FEATURES

- Radial mount, 152 x 44mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits Ø330/Ø315x28mm discs.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.
- Smaller bore version for rear applications available - CP9441 Family - See Website for details.**

PART NUMBERS

- RH, CP9440-2S4L.
- LH, CP9440-3S4L.

Smaller bore version Part Nos.

- RH, CP9441-2S4L.
- LH, CP9441-3S4L.

Note: For handing information check Installation drawing at: www.apracing.com

SPARE PARTS

CP9440 Pistons	
Ø36.0 Pistons	CP9440-107
Ø41.3 Pistons	CP9440-106
CP9441 Pistons	
Ø31.8 Pistons	CP9441-101
Ø36.0 Pistons	CP9440-106
Seal Repair Kit -	
CP9440	CP8518-HK
CP9441	CP8518-EH
RH - Wear Plate	CP9440-108
LH - Wear Plate	CP9440-109
Bleed Screw Kit	CP3880-1

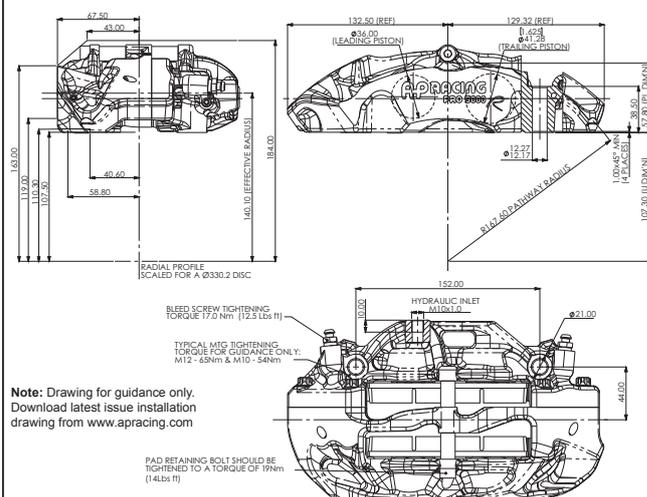
PAD INFORMATION

Pad Family - See page 52 for Profile.	CP3215D50
Pad Area	57.4cm²
Pad Volume	70.44cm³
Pad Thickness	16.8mm

BRAKE DISC INFORMATION

Part Number.	CP5000-210/1CG8	CP3580-2898/9CG8	CP5000-220/1CG8
- Diameter.	Ø330.0	Ø330.0	Ø315.0
- Thickness.	28.0	28.0	28.0
- PCD.	Ø203.2mm	Ø203.2mm	Ø177.8mm
- Eye Diameter	Ø227.4mm	Ø230.0mm	Ø210.3mm
- Inside Flange Ø.	Ø185.0mm	Ø190.0mm	Ø164.3mm
- Flange Thickness.	5.1mm	5.6mm	5.95/6.10mm
- Mounting Holes.	12	12	12
- Mounting Hole Ø.	6.4mm	6.4mm	6.4mm
- Airgap.	15.25mm	14.0mm	14.0mm
- No of Vanes.	36	48	36
- Disc Weight.	4.94Kg	5.94Kg	5.6Kg
- Face Depth.	D50	D50	D52

CP9440 - INSTALLATION DRAWING



CP9444 & CP9445

4 Piston, Radi-CAL™ - Suits 13" Wheels.



TECHNICAL SPECIFICATION

Piston Sizes	
CP9444-2/3/4/5	Ø34.9mm x 2 Ø41.3mm x 2
CP9445-2/3/4/5	Ø31.8mm x 2 Ø38.1mm x 2

Piston Area	
CP9444-2/3/4/5	45.9cm ²
CP9445-2/3/4/5	38.9cm ²

Weight No Pads	
CP9444-2/3/4/5	1.86Kg
CP9445-2/3/4/5	1.85Kg
Hydraulic Thread	
M10x1.0	
Mounting Type	
Radial	
Mtg centres	
152.0mm	

Mounting offset's	
CP9444 & 5-2/3S0L =	40.0mm
CP9444 & 5-4/5S0L =	38.0mm
Mtg hole Ø	
10.0mm	
'PL' Dimension	
57.0mm	

SPARE PARTS

Ø31.8 Pistons	CP9444-108
Ø34.9 Pistons	CP9444-110
Ø38.1 Pistons	CP9444-109
Ø41.3 Pistons	CP9444-111
Seal Repair Kit -	
CP9444	CP8518-GK
CP9445	CP8518-EJ
RH - Wear Plate	CP9444-112
LH - Wear Plate	CP9444-113
Bleed Screw Kit	CP3880-1

PAD INFORMATION

Pad Family - See page 51 for Profile.	CP3215D42
Pad Area	48.3cm ²
Pad Volume	60.9cm ³
Pad Thickness	16.75mm

TYPICAL APPLICATION

■ Designed to suit a 13" wheel, generally for single seaters.

FEATURES

- Radial mount, 152 mtg ctrs.
- Benefits from a radical asymmetric design concept. Offering superior dynamic performance.
- Forged, two piece Aluminium alloy body.
- Integral pad retainer to enhance caliper stiffness.
- Suits disc up to Ø280 x 18/21/22 & 25mm thicknesses.
- Internally ported.
- **Smaller bore version for rear applications available - CP9445 Family - See Website for details.**

PART NUMBERS

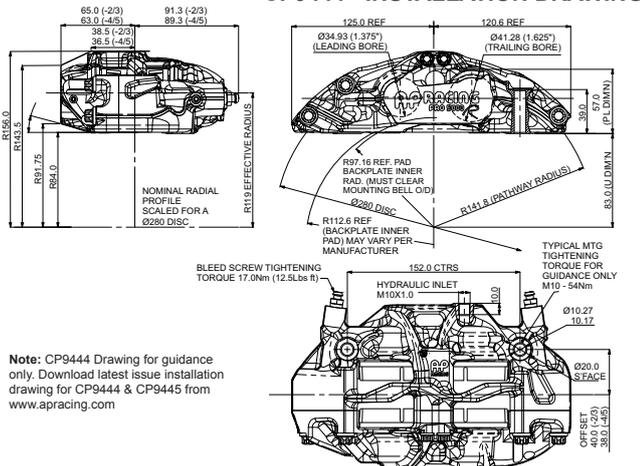
- To suit disc Ø280x22-25.4mm. - RH, CP9444-2S0L. - LH, CP9444-3S0L.
- To suit disc Ø280x18-21mm. - RH, CP9444-4S0L. - LH, CP9444-5S0L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

VENTILATED BRAKE DISC INFORMATION

- Part Number.	CP3947-138/139CG4	CP3947-140/141CG4	CP4448-208/209CG4	CP4448-210/211CG4
- Diameter.	Ø280.0	Ø280.0	Ø280.0	Ø280.0
- Thickness.	18.0	21.0	22.0	25.4
- PCD.	175.0	175.0	175.0	175.0
- Eye Diameter	193.44	193.44	193.44	193.44
- Inside Flange Ø.	151.0	151.0	151.0	151.0
- Flange Thickness.	4.325	5.625	5.05/5.00	6.35/6.30
- Mounting Holes.	8 - Floating	8 - Floating	8 - Floating	8 - Floating
- Bobbin P/No.	CP2494-595MA	CP2494-589MJ	CP2494-592MC	CP2494-504MP
- Airgap.	8.0	8.0	10.5	10.5
- No of Vanes.	47	47	48	48
- Disc Weight.	2.8	3.5	3.3	4.1
- Face Depth.	D42	D42	D42	D42

CP9444 - INSTALLATION DRAWING



CP9446

4 Piston, Radi-CAL™ - 180mm ctrs.



TECHNICAL SPECIFICATION

Piston Sizes	Ø34.9mm x 2 Ø41.3mm x 2
Piston Area	45.6cm ²
Weight No Pads	2.23Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mounting offset	35.0mm
Mtg hole Ø	12.00mm
'PL' Dimension	58.0mm

TYPICAL APPLICATION

■ General competition use.

FEATURES

- Radial mount, 180x35mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits upto Ø380 x 32 or 28mm discs.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.

SPARE PARTS

Pistons	
Ø34.9 Pistons	CP9444-110
Ø41.3 Pistons	CP9444-111
Seal Repair Kit -	CP8518-GK
RH - Wear Plate	CP9446-110
LH - Wear Plate	CP9446-111
Bleed Screw Kit	CP3880-1

PAD INFORMATION

Pad Family - See page 55 for Profile.	CP6820D48
Pad Area	63.2cm ²
Pad Volume	101.12cm ³
Pad Thickness	16.0mm

PART NUMBERS

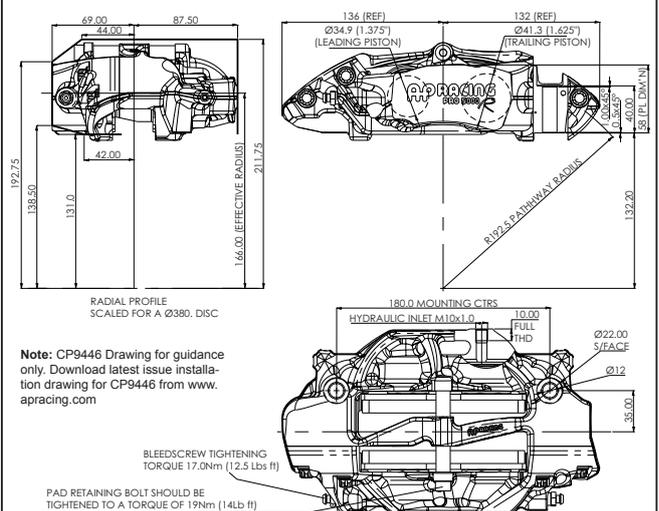
- RH, CP9446-2S4L.
- LH, CP9446-3S4L.

Note: For handing information check Installation drawing at: www.apracing.com

BRAKE DISC INFORMATION

- Part Number.	CP5772-1128/9CG8	CP5914-110/1G8	CP5772-1010/1GA
- Diameter.	Ø356.0	Ø378.0	Ø378.0
- Thickness.	32.0	28.0	32.0
- PCD.	Ø240.0mm	Ø260.3mm	Ø260.4mm
- Eye Diameter	Ø258.6mm	Ø282.0mm	Ø282.0mm
- Inside Flange Ø.	Ø215.0mm	Ø235.3mm	Ø235.35mm
- Flange Thickness.	5.6mm	5.62mm	5.6mm
- Mounting Holes.	12 - Floating	12 - Floating	12 - Floating
- Bobbin Part No.	CP2494-589MJ	CP2494-589MJ	CP2494-589MJ
- Airgap.	19.5mm	13.5mm	19.5mm
- No of Vanes.	72	48	72
- Disc Weight.	5.94Kg	6.28Kg	6.2Kg
- Face Depth.	D46	D46	D46

CP9446 - INSTALLATION DRAWING





CP9448

4 Piston, Radi-CAL™ Front - 152mm ctrs.



TYPICAL APPLICATION

- Front - General competition use.

FEATURES

- Radial mount, 152 x 44mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits disc upto Ø380mm x 28 or 32mm thickness.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.
- 4Lb Anti-knockback springs fitted as standard.

PART NUMBERS

- RH, CP9448-2S4L.
- LH, CP9448-3S4L.

Note: For handing information check Installation drawing at: www.apracing.com

TECHNICAL SPECIFICATION

Piston Sizes	Ø38.1mm x 2 Ø41.3mm x 2
Piston Area	49.4cm ²
Weight No Pads	2.24
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mounting offset	44.0mm
Mtg hole Ø	12.2mm
'PL' Dimension	58.0mm

SPARE PARTS

Ø38.1 Pistons	CP9445-109
Ø41.3 Pistons	CP9444-111
Seal Repair Kit -	CP8518-JK
RH - Wear Plate	CP9444-112
LH - Wear Plate	CP9444-113
Bleed Screw Kit	CP3880-1

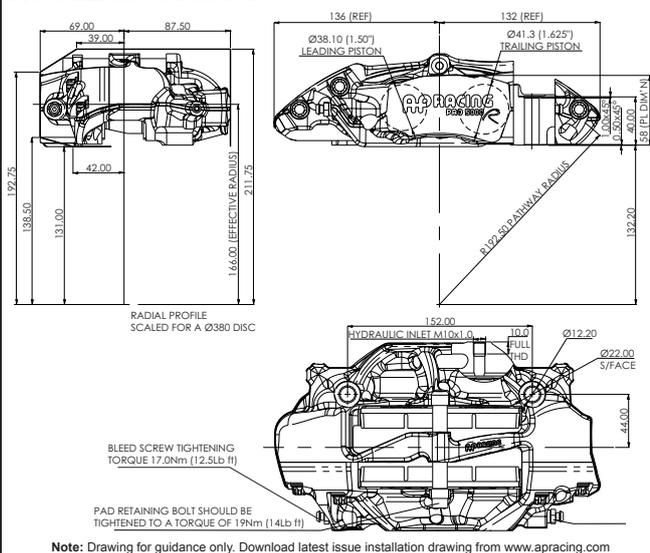
PAD INFORMATION

Pad Family - See page 52 for Profile.	CP3215D46
Pad Area	48.3cm ²
Pad Volume	60.9cm ³
Pad Thickness	16.75mm

BRAKE DISC INFORMATION

- Part Number.	CP5914-116/7G12	CP5914-110/1G8	CP5772-1010/1GA
- Diameter.	Ø378.0	Ø378.0	Ø378.0
- Thickness.	28.0	28.0	32.0
- PCD.	Ø260.3mm	Ø260.3mm	Ø260.4mm
- Eye Diameter	Ø282.0mm	Ø282.0mm	Ø282.0mm
- Inside Flange Ø.	Ø235.5mm	Ø235.3mm	Ø235.35mm
- Flange Thickness.	5.62mm	5.62mm	5.6mm
- Mounting Holes.	12 - Bolted	12 - Floating	12 - Floating
- Bobbin Part No.	N/A	CP2494-589MJ	CP2494-589MJ
- Airgap.	13.5mm	13.5mm	19.5mm
- No of Vanes.	48	48	72
- Disc Weight.	6.1Kg	6.28Kg	6.2Kg
- Face Depth.	D46	D46	D46

INSTALLATION DRAWING



CP9449 / CP9450 / CP9451

4 Piston, Radi-CAL™ Rears - 152mm ctrs.



TYPICAL APPLICATION

- Rear - General competition use.

FEATURES

- Radial mount, 152 x 44mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits upto Ø380 x 32 or 28mm discs.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.

PART NUMBERS

- Ø28.6 / Ø34.0 bore versions.
- RH, CP9449-2S4L.
- LH, CP9449-3S4L.

- Ø27.0 / Ø31.8 bore versions.
- RH, CP9450-2S4L.
- LH, CP9450-3S4L.

- Ø25.4 / Ø28.6 bore versions.
- RH, CP9451-2S4L.
- LH, CP9451-3S4L.

Note: For handing information check Installation drawing at: www.apracing.com

TECHNICAL SPECIFICATION

Piston Sizes (in mm)	
CP9449-2/3	Ø28.6x2 / Ø34.0x2
CP9450-2/3	Ø27.0x2 / Ø31.8x2
CP9451-2/3	Ø25.4x2 / Ø28.6x2
Piston Area	
CP9449-2/3	30.9cm ²
CP9450-2/3	27.2cm ²
CP9451-2/3	22.8cm ²
Weight No Pads	2.20Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mounting offset	44.0mm
Mtg hole Ø	10.20mm
'PL' Dimension	52.0mm

SPARE PARTS

Pistons	
Ø25.4 Pistons	CP9451-106
Ø27.0 Pistons	CP9450-106
Ø28.6 Pistons	CP9449-106
Ø31.8 Pistons	CP9445-108
Ø34.0 Pistons	CP9449-107
Seal Repair Kit -	
CP9449	CP8518-DF
CP9450	CP8518-CE
CP9451	CP8518-AD
RH - Wear Plate	CP9444-112
LH - Wear Plate	CP9444-113
Bleed Screw Kit	CP3880-1

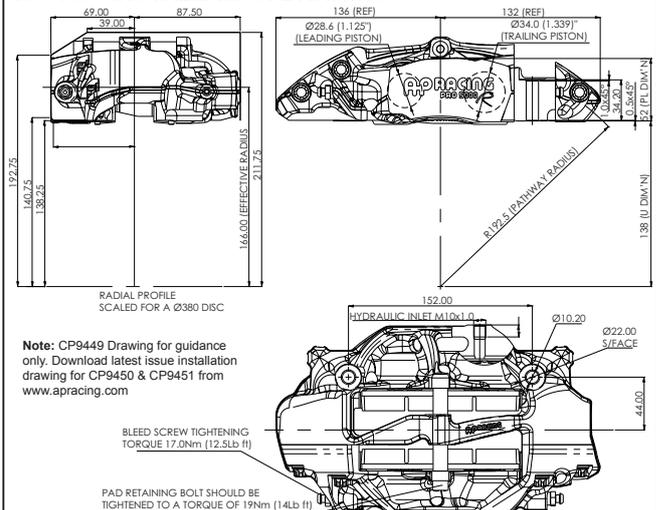
PAD INFORMATION

Pad Family - See page 52 for Profile.	CP3215D46
Pad Area	48.3cm ²
Pad Volume	60.9cm ³
Pad Thickness	16.75mm

BRAKE DISC INFORMATION

- Part Number.	CP5914-116/7G12	CP5914-110/1G8	CP5772-1010/1GA
- Diameter.	Ø378.0	Ø378.0	Ø378.0
- Thickness.	28.0	28.0	32.0
- PCD.	Ø260.3mm	Ø260.3mm	Ø260.4mm
- Eye Diameter	Ø282.0mm	Ø282.0mm	Ø282.0mm
- Inside Flange Ø.	Ø235.5mm	Ø235.3mm	Ø235.35mm
- Flange Thickness.	5.62mm	5.62mm	5.6mm
- Mounting Holes.	12 - Bolted	12 - Floating	12 - Floating
- Bobbin Part No.	N/A	CP2494-589MJ	CP2494-589MJ
- Airgap.	13.5mm	13.5mm	19.5mm
- No of Vanes.	48	48	72
- Disc Weight.	6.1Kg	6.28Kg	6.2Kg
- Face Depth.	D46	D46	D46

CP9449 - INSTALLATION DRAWING



CP9660

6 Piston, Radi-CAL™ - 180mm ctrs - 18mm Pad.



TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm x 2
	Ø31.8mm x 2
	Ø38.1mm x 2
Piston Area	50.1cm ²
Weight No Pads	2.78Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

TYPICAL APPLICATION

- General competition use.

FEATURES

- Radial mount, 180 x 42mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits disc up to Ø380 max / Ø356 min x 36 or 32mm thickness.
- Internally ported.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.

PART NUMBERS

- RH, CP9660-2S4L.
- LH, CP9660-3S4L.

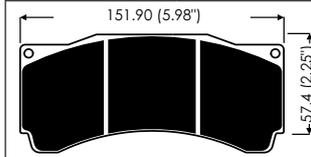
Note: For handing information check Installation drawing at: www.apracing.com

SPARE PARTS

Ø27.0 Pistons	CP9660-114
Ø31.8 Pistons	CP9660-115
Ø38.1 Pistons	CP9660-116
Seal Repair Kit	CP8518-CEJ
AKB Spring kit. - CP6518-4LBSSL	
Pad Retainer - CP9660-113 x 2	
Ret/Bolt P/No. - CP3596-112ST	
RH - Wear Plate	CP9660-110
LH - Wear Plate	CP9660-111
Bleed Screw Kit	CP3880-1

PAD INFORMATION

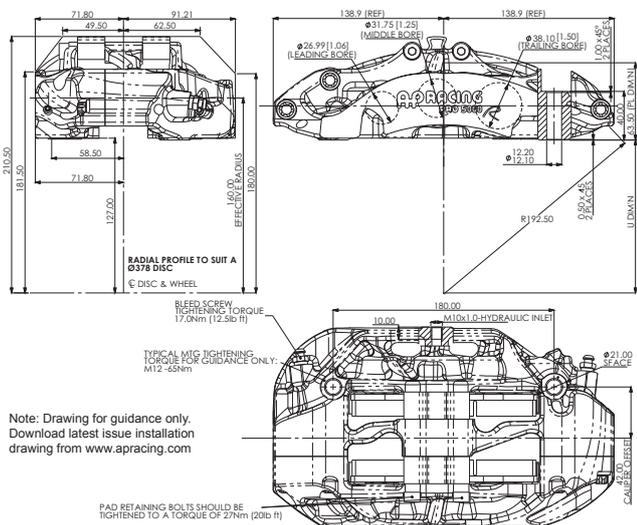
Pad Family	CP3905D54
Pad Area	77.4cm ²
Pad Volume	100.1cm ³
Pad Thickness	18.0mm



VENTILATED BRAKE DISC INFORMATION

- Part Number.	CP5772-1032/-1033G8	CP5000-218/-219CG8
- Diameter.	Ø378.0	Ø356.0
- Thickness.	36.0	32.0
- PCD.	Ø240.0	Ø228.6
- Eye Diameter	Ø266.0	Ø250.4
- Inside Flange Ø.	Ø215.0	Ø214.0
- Flange Thickness.	5.6mm	5.3mm
- Mounting Holes.	12 - Floating	12
- Mounting Hole Ø.	Bobbin - CP2494-589MJ	6.4mm
- Airgap.	20.0mm	19.5mm
- No of Vanes.	72	48
- Disc Weight.	7.4Kg	6.5Kg
- Face Depth.	D56	D53

INSTALLATION DRAWING



CP9665

6 Piston, Radi-CAL™ - 210mm ctrs



TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm x 2
	Ø31.8mm x 2
	Ø38.1mm x 2
Piston Area	50.1cm ²
Weight No Pads	3.1Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.25mm
'PL' Dimension	63.5mm

TYPICAL APPLICATION

- General competition use.

FEATURES

- Radial mount, 210 x 42mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged, two piece Aluminium alloy body.
- Suits Ø390/362 x 36/32mm discs.
- Internally ported.
- Stainless Steel pistons fitted.
- Stainless Steel wear plates.

PART NUMBERS

- RH, CP9665-2S7L.
- LH, CP9665-3S7L.

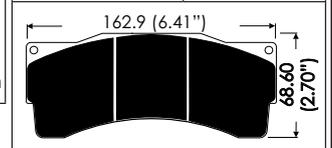
Note: For handing information check Installation drawing at: www.apracing.com

SPARE PARTS

Ø27.0 Pistons	CP9665-114
Ø31.8 Pistons	CP9665-115
Ø38.1 Pistons	CP9665-116
Seal Repair Kit	CP8518-CEJ
AKB Spring kit. - CP6518-7LBSSL	
Pad Retainer - CP9665-119A x 2	
Ret/Bolt P/No. - CP3715-117ST	
RH - Wear Plate	CP9665-112
LH - Wear Plate	CP9665-113
Bleed Screw Kit	CP3880-1

PAD INFORMATION

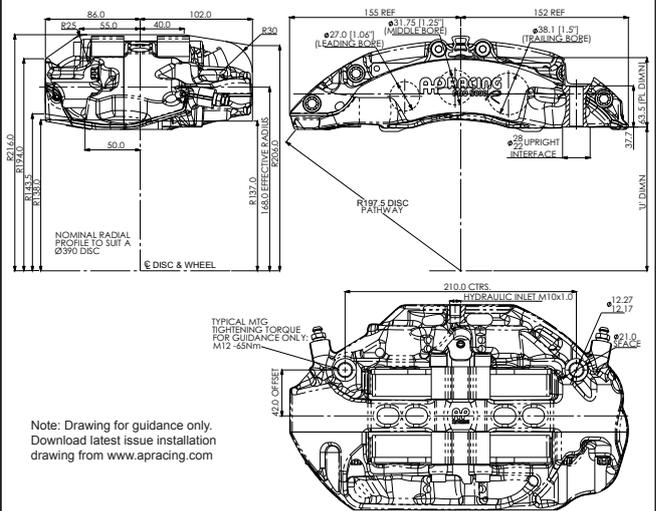
Pad Family	CP6230D54
Pad Area	81.6cm ²
Pad Volume	164.3cm ³
Pad Thickness	25.0mm



VENTILATED BRAKE DISC INFORMATION

- Part Number.	CP4284-134/-135CG8	CP5772-1030/-1031CG8
- Diameter.	Ø390.0mm	Ø378.0mm
- Thickness.	36.0mm	32.0mm
- PCD.	Ø260.0mm	Ø240.0mm
- Eye Diameter	Ø278.75mm	Ø266.8mm
- Inside Flange Ø.	Ø235.0mm	Ø215.0mm
- Flange Thickness.	6.80/6.85mm	5.6mm
- Mounting Holes.	12 - Floating	12 - Floating
- Mounting Hole Ø.	Bobbin - CP2494-589MJ	Bobbin - CP2494-589MJ
- Airgap.	21.0mm	20.0mm
- No of Vanes.	84	72
- Disc Weight.	8.7Kg	7.2Kg
- Face Depth.	D54	D56

INSTALLATION DRAWING



CP9668

6 Piston, Radi-CAL™ - 180mm ctrs - 25mm Pad.



TYPICAL APPLICATION

- General competition use.

FEATURES

- Radial mount, 180 x 42mm ctrs.
 - Benefits from a radical asymmetric design concept.
 - Superior dynamic performance.
 - Increased stiffness.
 - Forged, two piece Aluminium alloy body.
 - Suits disc up to Ø390 max / Ø356 min x 36 or 32mm thickness.
 - Internally ported.
 - Stainless Steel pistons fitted.
 - Stainless Steel wear plates.
- Bolted pad retainer with Quick-release spring clip supplied.

PART NUMBERS

- RH, CP9668-2S7L.
- LH, CP9668-3S7L.

Note: For handling information check Installation drawing at: www.apracing.com

TECHNICAL SPECIFICATION

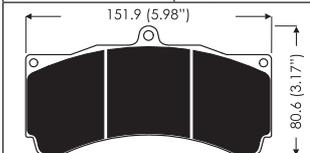
Piston Sizes	Ø27.0mm x 2
	Ø31.8mm x 2
	Ø38.1mm x 2
Piston Area	50.1cm²
Weight No Pads & bolted retainer	3.1Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.25mm
'PL' Dimension	63.5mm

SPARE PARTS

Ø27.0 Pistons	CP9665-114
Ø31.8 Pistons	CP9665-115
Ø38.1 Pistons	CP9665-116
Seal Repair Kit	CP8518-CEJ
AKB Spring kit. - CP6518-7LBSSL	
Pad Retainer kit	CP9665-12
Quick Release Kit	CP9665-13
RH - Wear Plate	CP9668-106
LH - Wear Plate	CP9668-107
Bleed Screw Kit	CP3880-1

PAD INFORMATION

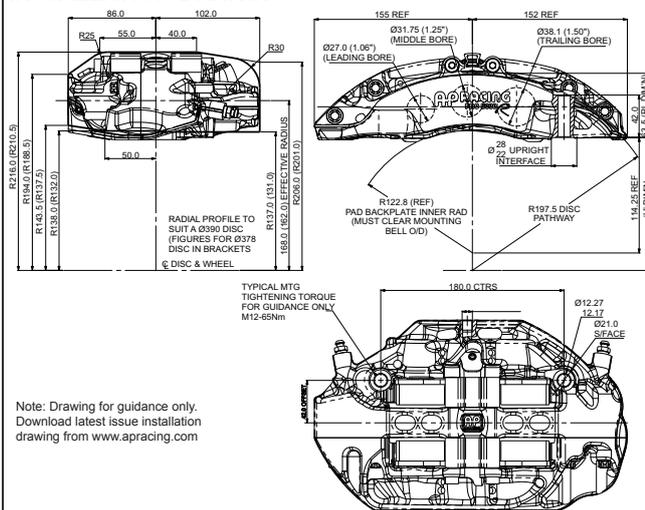
Pad Family	CP3558D54
Pad Area	77.4cm²
Pad Volume	155.8cm³
Pad Thickness	25.0mm



VENTILATED BRAKE DISC INFORMATION

- Part Number.	CP4284-134/-135CG8	CP5772-1030/-1031CG8
- Diameter.	Ø390.0mm	Ø378.0mm
- Thickness.	36.0mm	32.0mm
- PCD.	Ø260.0mm	Ø240.0mm
- Eye Diameter	Ø278.75mm	Ø266.8mm
- Inside Flange Ø.	Ø235.0mm	Ø215.0mm
- Flange Thickness.	6.80/6.85mm	5.6mm
- Mounting Holes.	12 - Floating	12 - Floating
- Mounting Hole Ø.	Bobbin - CP2494-589MJ	Bobbin - CP2494-589MJ
- Airgap.	21.0mm	20.0mm
- No of Vanes.	84	72
- Disc Weight.	8.7Kg	7.2Kg
- Face Depth.	D54	D56

INSTALLATION DRAWING



CP5567

4 Piston, Forged Radi-CAL™



TYPICAL APPLICATION

- Front & Rear for 13" wheels.

FEATURES

- Radial mount, 152 x 30mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Reduced weight.
- Forged monobloc Aluminium alloy body.
- Suits Ø280 x 25.4mm disc.
- Aluminium alloy pistons.
- Stainless Steel option available.
- Stainless Steel wear plates.

PART NUMBERS

- With Aluminium Pistons.
- Right Hand, CP5567-2S4.
- Left Hand, CP5567-3S4.

- With Stainless Steel Pistons.
- Right Hand, CP5567-2S4L.
- Left Hand, CP5567-3S4L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION

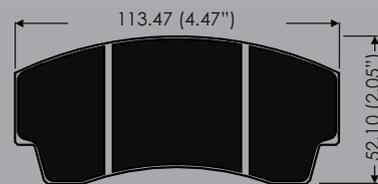
Piston Sizes	Ø34.9mm Ø41.3mm
Piston Area	45.92cm²
Disc Diameter	Ø280.0mm
Disc Thickness	25.4mm
Weight No Pads	1.62Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	30.0mm
Mtg hole Ø	10.15mm
'PL' Dimension	50.51mm

SPARE PARTS

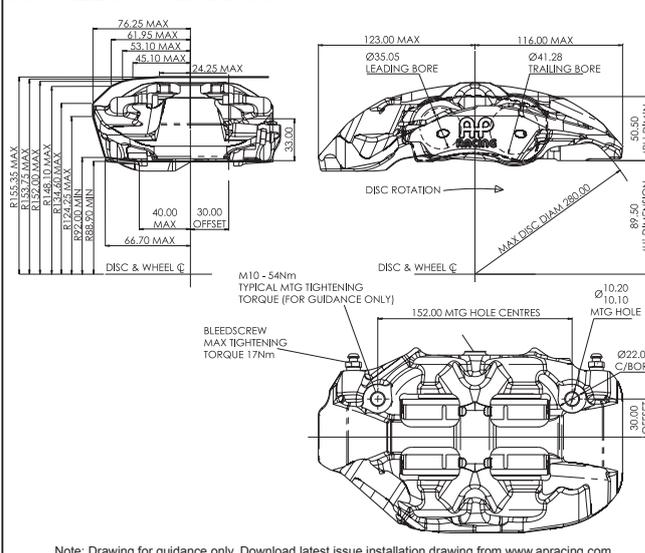
Pistons	
Ø34.9mm	CP5567-106
Ø41.3mm	CP5567-107
Seal Repair Kit	CP4518-GK
Wear Plates	
Pad x 4	CP5567-108
Ctr Beam x 1	CP5567-109
Bleed Screw Kit	CP3880-1
AKB Spring Kit	CP6518-4LBLL

PAD INFORMATION

- Pad Family = CP3345D44
- Pad Area = 43.4cm²
- Pad Depth = 44.1mm
- Pad Thickness = 16.0mm



INSTALLATION DRAWING



CP6169 6 Piston, Slimmed Radi-CAL™



TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm
	Ø31.8mm
	Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	378.0mm
Disc Thickness	32.0mm
Weight No Pads	1.95Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

TYPICAL APPLICATION

- All GT / Endurance Sprint Classes.

NOTE

CP6169 has been designed for narrow carbon stack of 76mm

FEATURES

- Radial mount, 210 x 42mm ctrs.
- Benefits from radical asymmetric design concept.
 - Superior dynamic performance.
- Ducted air cooling features, - reduces caliper temperatures.
- Monobloc Aluminium alloy body - Nickel plated surface finish.
- Designed to operate on Ø378 x 32mm Carbon discs.
- Designed to accept 22mm thick carbon pad.
- Internally ported.
- Domed Titanium pistons fitted.
- Dry Bleeds fitted.

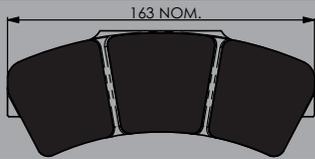
PART NUMBERS

- RH, CP6169-14S7M.
- LH, CP6169-15S7M.

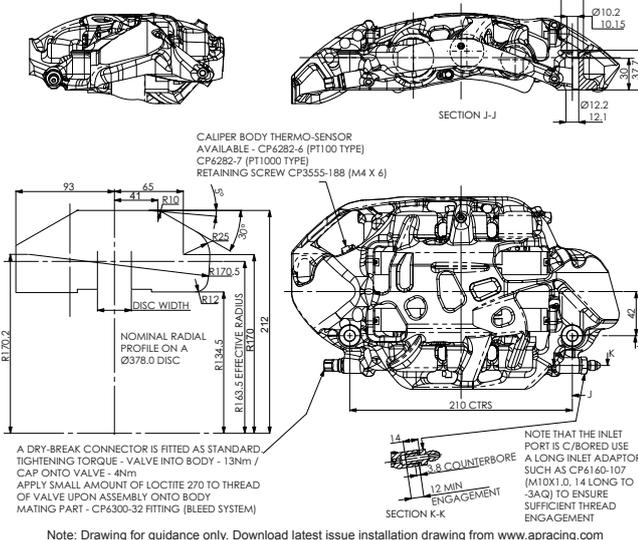
Note: It is important to select the correct hand of caliper. For handing information check Installation drawing at: www.apracing.com

PAD INFORMATION

- PAD FAMILY = CP6169
- Full Pad Area = 80.5cm²
- Pad Depth = 53.0mm
- Pad Thickness = 22.0mm



INSTALLATION DRAWING



CP6269 6 Piston, Forged Radi-CAL™



TECHNICAL SPECIFICATION

Piston Sizes	Ø31.75mm
	Ø33.8mm
	Ø41.3mm
Piston Area	60.75cm ²
Disc Diameter	390mm
Disc Thickness	35.60mm
Weight No Pads	3.3Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

TYPICAL APPLICATION

- GT3

FEATURES

- Radial mount, 210 x 42mm ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Ducted air cooling features, - reduces caliper temperatures.
- Forged monobloc Aluminium alloy body. - Anodised surface finish.
- Designed to operate on Iron discs 390mm x 36mm.
- 95.6mm total stack thickness allowed - 35.6mm disc & 2 x 30mm pads.
- Internally ported.
- Stainless Steel pistons fitted.
- Dry Bleeds available as an option.

PART NUMBERS

- RHT, CP6269-2S7L.
- LHT, CP6269-3S7L.
- RHL, CP6269-4S7L.
- LHL, CP6269-5S7L.

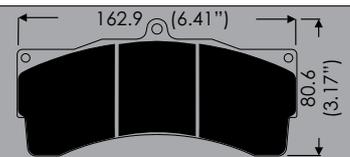
Note: It is important to select the correct hand of caliper. For handing information check Installation drawing at: www.apracing.com

SPARE PARTS

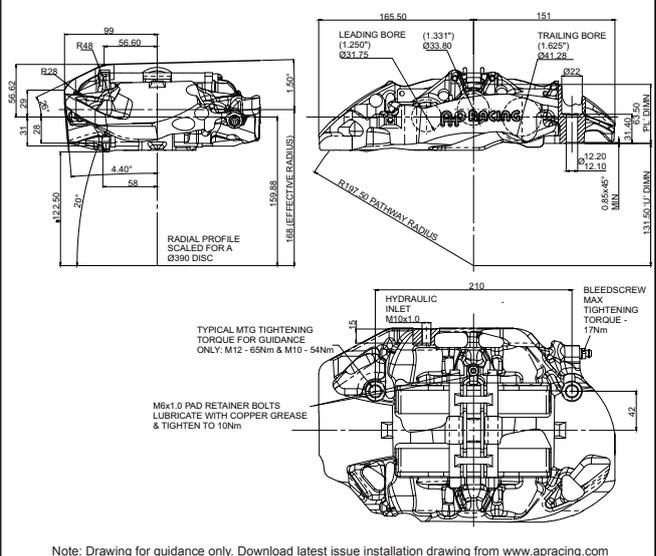
Ø31.75 - Piston	CP6268-104
Ø34.0 - Piston	CP6268-105
Ø41.3 - Piston	CP6268-106
Seal Repair Kit	CP8518-EFK
Pad Abutment Plates	
Leading x 2	CP6269-102
Trailing x 2	CP6269-103
Pad Supports	CP6269-104
M4 Pad Support Cap Heads x 8	CP3215-115
H Piece Pad Retainer Kit	CP6268-20
Quick Release (Clip) Pad Retainer Kit.	CP6268-21
AKB Spring Kit	CP6518-7LB SSL
Bleed Screw	CP3880-1

CP6210D54 IRON PAD

- Area = 83.0cm²
- Depth = 54.0mm
- Thickness = 30.0mm



INSTALLATION DRAWING



CP6480

4 Piston, Forged Radi-CAL™ Rear



TYPICAL APPLICATION

- Rear for All GT / Endurance Classes.

NOTE

CP6480 has been designed to compliment, 6 Piston front caliper CP5095 family.

FEATURES

- Radial mount, 180 x 42mm ctrs.
- Benefits from radical asymmetric design concept.
 - Superior dynamic performance.
- Suits Ø355 x 32mm Iron discs.
- Forged monobloc Aluminium alloy body.
- Stainless steel pistons
- Internally ported.
- Optional Dry-Bleed fittings & body Thermo-Sensor.
- 7lb Anti-Knockback springs fitted.

PART NUMBERS

- RH, CP6480-2S7L.
- LH, CP6480-3S7L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION

Piston Sizes	Ø28.6mm Ø36.0mm
Piston Area	33.2cm ²
Disc Diameter	Ø355.0mm
Disc Thickness	32.0mm
Weight No Pads	2.25Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

SPARE PARTS

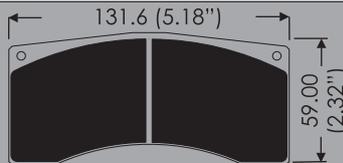
Ø28.6 - Piston	CP6480-104
Ø36.0 - Piston	CP6286-134
Seal Repair Kit	CP4518-DH
Pad Retainer	H Piece
Retainer Part No.	
Right Hand	CP6480-106
Left Hand	CP6480-107
Wear Plates. x 4	CP6470-106
Pad Supports x 4	CP6270-101
AKB Spring Kit	CP6518-7LB SSL
Bleed Screw kit	CP3880-1

AVAILABLE OPTIONS

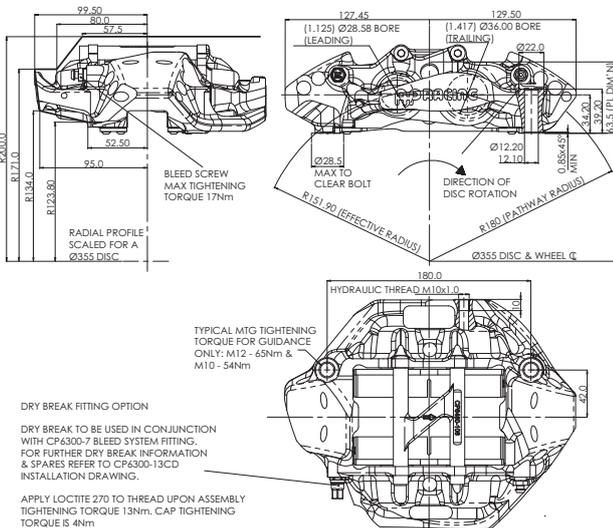
Dry-Bleed Fittings See Page 86

PAD INFORMATION

- PAD FAMILY = CP6070D49
- Pad Area = 61.6cm²
- Pad Depth = 49.0mm
- Pad Thickness = 25.0mm



INSTALLATION DRAWING



CP6720 & CP6730

4 Piston, Front or Rear



TYPICAL APPLICATIONS

- Super 1600.
- S2000 Rally.
- Rally Raid.

FEATURES

- Radial mount, 180 x 35mm ctrs.
- Suits Ø355 / 285mm x 28mm disc.
- Aluminium alloy body.
- Internally ported.
- No external bridge pipes.
- Protected bleed screws.
- Aluminium pistons standard, - Stainless Steel optional.

PART NUMBERS

- **CP6720 Type.**
 - RHT, CP6720-6S4.
 - LHT, CP6720-7S4 .
 - RHL, CP6720-8S4.
 - LHL, CP6720-9S4.
- **CP6730 Type.**
 - RH, CP6730-2S4.
 - LH, CP6730-3S4.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION

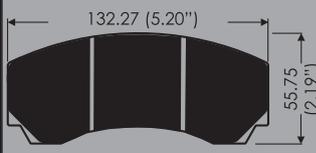
Piston Sizes	
CP6720	Ø34.9mm Ø41.3mm
CP6730	Ø31.8mm x 4
Piston Area	
CP6720	45.93cm ²
CP6730	31.66cm ²
Disc Diameter	
Max	Ø355.0mm
Min	Ø285.0mm
Disc Thickness	
	28.0mm
Weight No Pads	
CP6720	2.5Kg
CP6730	2.6Kg
Hydraulic Thread	
	M10x1.0
Mounting Type	
	Radial
Mtg centres	
	180.0mm
Mtg offset	
	35.0mm
Mtg hole Ø	
	12.15mm
'PL' Dimension	
	57.8mm

SPARE PARTS

Pistons	
Ø34.9mm	CP3567-108
Ø41.3mm	CP3344-109
Ø31.8mm	CP3349-103
Seal Repair Kit	
CP6720	CP4518-GK
CP6730	CP4518-EE
Pad Retainer	
	H/Piece
Retainer P/No.	
	CP6720-101
Ret / Bolt P/No.	
	CP3345-118
Wear Plates	
	CP5200-306
AKB Spring Kits	
CP6720	CP6518-4LBLL
CP6730	CP6518-4LBSS
Bleed Screw Kit	
	CP3880-1

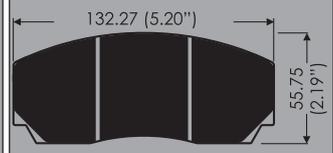
CP3215D46 PAD

- Pad Area = 54.6cm²
- Pad Depth = 45.6mm
- Pad Thickness = 16.8mm

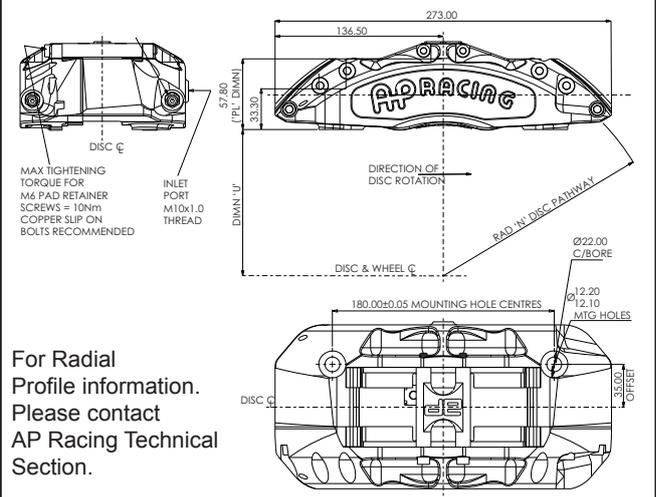


CP3215D50 PAD

- Pad Area = 57.4cm²
- Pad Depth = 50.3mm
- Pad Thickness = 16.8mm



CP6720 - INSTALLATION DRAWING



CP6750 - 6 Piston, Front

TYPICAL APPLICATIONS

- Rally Raid.
- Tarmac Rally.

FEATURES

- Radial mount, 180 x 35mm ctrs.
 - Suits Ø320mm x 32 / 28mm disc.
 - Aluminium alloy body.
 - Internally ported.
 - no external bridge pipes.
 - Stainless Steel pistons.
 - Dirt Seals fitted.
 - Protected bleedscrews.
 - H/Piece pad retainer.
 - Superseded by CP6766.
 - Version to suit Ø355 x 32mm available.
- Refer CP6750-10cd
Customer Drawing for details on
www.apracing.com

PART NUMBERS

- To suit a disc Ø320x28mm
 - RHT, CP6750-2S4L.
 - LHT, CP6750-3S4L.
 - RHL, CP6750-4S4L.
 - LHL, CP6750-5S4L.

- To suit a disc Ø320x32mm
 - CP6750-6S4L RHT.
 - CP6750-7S4L LHT.
 - CP6750-8S4L RHL.
 - CP6750-9S4L LHL.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.



TECHNICAL SPECIFICATION

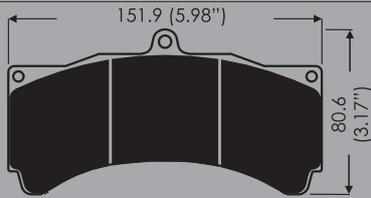
Piston Sizes	Ø27.0mm Ø31.8mm Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	Ø320.0mm
Disc Thickness	
CP6750-2/3/4/5	28.0mm
CP6750-6/7/8/9	32.0mm
Weight No Pads	3.0Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	
CP6750-2/3/4/5	35.0mm
CP6750-6/7/8/9	37.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	62.5mm

SPARE PARTS

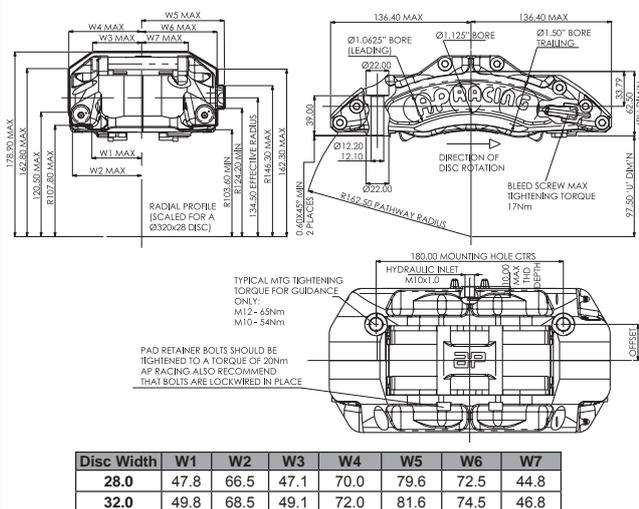
Ø27.0 - Piston	CP6750-106
Ø31.8 - Piston	CP6750-107
Ø38.1 - Piston	CP6750-108
Seal Repair Kit	CP4518-CEJ:RALLY
Pad Retainer	H/Piece
Ret / Part No.	
CP6750-2/3/4/5	CP6750-109
CP6750-6/7/8/9	CP6750-113
Ret / Bolt P/No.	CP3445-123
Wear Plates	
CP6750-110 x 1 / CP6750-111 x 1 & CP6750-112 x 2	
Bleed Screw Kit	CP3880-1

PAD INFORMATION

- Pad Family = CP3894D51
- Pad Area = 73.5cm²
- Pad Depth = 50.8mm
- Pad Thickness = 18.0mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP6760 - 4 Piston



TYPICAL APPLICATIONS

- S2000 Rear.
- Grp 'N' Rear.

FEATURES

- Radial mount, 180 x 35mm ctrs.
- Suits Ø300mm x 28mm disc.
- Aluminium alloy body.
- Internally ported.
 - No external bridge pipes.
- Single protected bleedscrew.
- Stainless Steel pistons.
- H/Piece pad retainer.

PART NUMBERS

- RHT, CP6760-2S4L.
- LHT, CP6760-3S4L.
- RHL, CP6760-4S4L.
- LHL, CP6760-5S4L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.



TECHNICAL SPECIFICATION

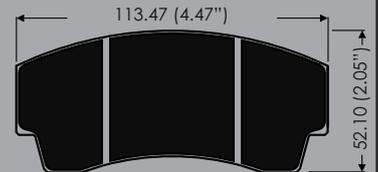
Piston Sizes	Ø27.0mm Ø34.0mm
Piston Area	29.60cm ²
Disc Diameter	Ø300.0mm
Disc Thickness	28.0mm
Weight No Pads	2.1Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	35.0mm
Mtg hole Ø	10.15mm
'PL' Dimension	57.8mm

SPARE PARTS

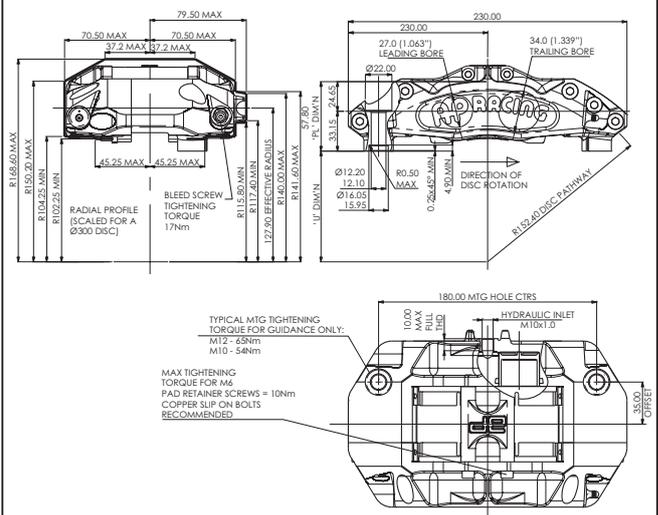
Pistons	
Ø27.0mm	CP4907-106
Ø34.0mm	CP6760-118
Seal Repair Kit	CP4518-CF
Pad Retainer	H/Piece
Retainer P/No.	CP4144-101
Ret / Bolt P/No.	CP3344-165
Wear Plates	CP6561-106
Bleed Screw Kit	CP3880-1

PAD INFORMATION

- Pad Family = CP3345D44
- Pad Area = 43.4cm²
- Pad Depth = 44.1mm
- Pad Thickness = 16.0mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com



CP6840 Internally Ported, 4 Piston, Forged Radi-CAL™

TYPICAL APPLICATIONS

- WRC Turbo.
- S2000 Tarmac / Gravel specifications.
- To meet FIA R4T & R5 cost cap.

FEATURES

- Available with either a "Push In" or an "M10x1.0 threaded" Inlet.
- Radial mount, 180 x 42mm ctrs.
- Forged monobloc Aluminium alloy body.
- Designed to operate on Ø355 or Ø300mm x 32mm Iron disc.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Ducted air cooling features, significantly reduces caliper temperatures.
- Internally ported.
- Stainless Steel pistons.

PART NUMBERS

- Calipers with "Push-In" inlet.
 - RH, CP6840-4S4L.
 - LH, CP6840-5S4L.
- Calipers with "M10 x 1.0 Threaded" inlet.
 - RH, CP6840-6S4L.
 - LH, CP6840-7S4L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.



TECHNICAL SPECIFICATION

Piston Sizes	Ø34.9mm x 2 Ø41.3mm x 2
Piston Area	45.9cm²
Disc Diameter	
Max	Ø355.0mm
Min	Ø300.0mm
Disc Thickness	32.0mm
Weight No Pads	2.16Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	10.175mm
'PL' Dimension	57.5mm

SPARE PARTS

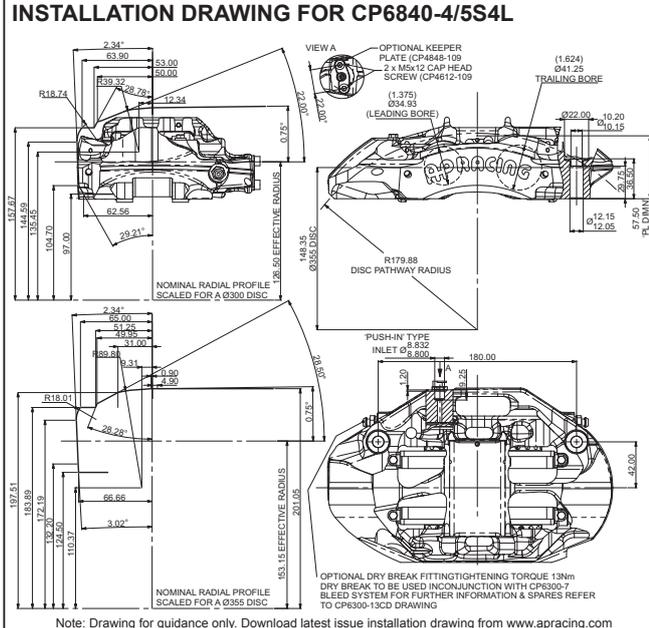
Ø34.9mm Piston	CP6820-106
Ø41.3mm Piston	CP6820-107
Seal Repair Kit	CP8518-GK
Wear Plates. x 4	CP6820-113
Beam W/Plate	CP6820-109
Bleed Screw Kit	CP3880-1
AKB Spring Kit	CP6518-4LBLL
Carbon Duct Kit	CP6820-110

GRAVEL PAD

- Pad Family = CP6820D46
- Pad Area = 61.7cm²
- Pad Depth = 46.0mm
- Pad Thickness = 16.0mm

TARMAC PAD

- Pad Family = CP6820D48
- Pad Area = 63.2cm²
- Pad Depth = 48.0mm
- Pad Thickness = 16.0mm



CP5785 4 Piston, Billet Radi-CAL™

TYPICAL APPLICATION

- World Touring Car Front.

FEATURES

- Radial mount, 180 x 42mm ctrs.
- Benefits from a second generation radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Reduced weight.
- Monobloc Alum-alloy body.
- Suits Ø380 x 34mm Iron disc.
- Titanium pistons standard.
- Stainless Steel option available.
- Carbon duct fitted.
- Stainless Steel wear plates.
- Dry Bleeds fitted.
- Supercedes CP5780 Caliper family.

PART NUMBERS

- Underslung Mounted Caliper with Titanium Pistons.
 - RHT, CP5785-2S0MPD.
 - LHT, CP5785-3S0MPD.
- Radial Mounting.
 - RHL, CP5785-4S0MPD.
 - LHL, CP5785-5S0MPD.

CP5785 also available in conventional mounting/handling leading and trailing configuration. Please contact AP Racing technical section for more information.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.



TECHNICAL SPECIFICATION

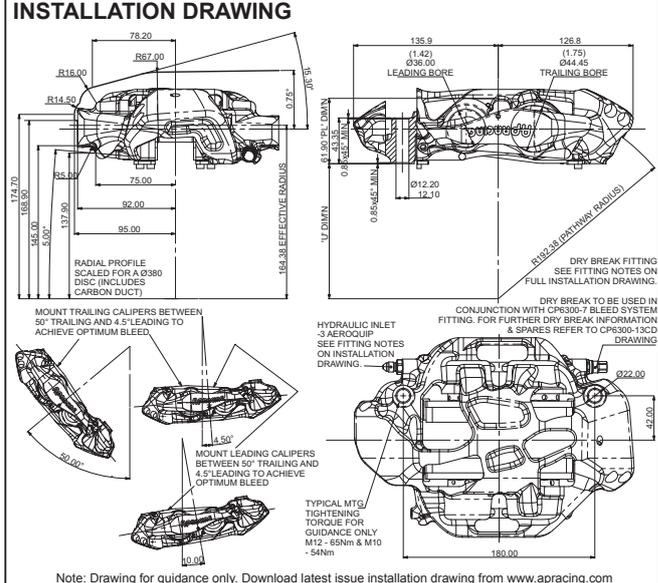
Piston Sizes	Ø36.00mm Ø44.45mm
Piston Area	51.39cm²
Disc Diameter	380.0mm
Disc Thickness	34.0mm
Weight No Pads	
S/Steel Pistons	2.13Kg
Titanium Pistons	1.98Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	61.9mm

SPARE PARTS

Titanium Pistons	
Ø36.00mm	CP5785-106
Ø44.45mm	CP5785-107
Stainless Steel Pistons	
Ø36.00mm	CP5785-108
Ø44.45mm	CP5785-109
Seal Repair Kit	CP4528-HL
Wear Plates x 4	CP5785-113
Pad Retainer Abutment Plates	
RH CP5782-124/LH CP5785-125	
Dry Bleed Fitting	CP6300-21
Inlet Fitting	CP5785-6
Carbon Duct Kits	
RH CP5785-104/LH CP5785-105	

PAD INFORMATION

- Pad Family = CP5788D54 (D48 available for lighter bake package).
- Pad Area = 77.3cm²
- Pad Depth = 54.0mm
- Pad Thickness = 20.0mm



CP6267

4 Piston, Forged Radi-CAL™ Rear



TYPICAL APPLICATIONS

- Touring Car.
- GT.
- Factory Competition Brake Kits.

FEATURES

- Radial mount, 180 x 35mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged monobloc Aluminium alloy body.
- Suits Ø355 x 32mm Iron discs.
- Stainless Steel pistons.
- Stainless Steel wear plates.
- Optional Carbon Duct Kit.

PART NUMBERS

- RHT = CP6267-6S0L.
- LHT = CP6267-7S0L.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION

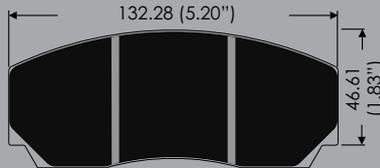
Piston Sizes	Ø28.6mm Ø34.9mm
Piston Area	31.9cm ²
Disc Diameter	355.0mm
Disc Thickness	32.0mm
Weight No Pads	2.4kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	35.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	55.0mm

SPARE PARTS

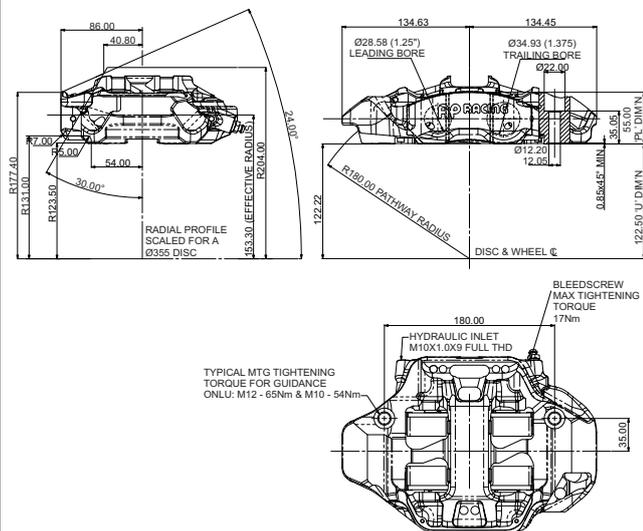
S/Steel Pistons	
Ø28.6mm	CP6266-105
Ø34.9mm	CP6266-106
Seal Repair Kit	CP8518-DG
Wear Plates x 4	CP5760-105
Pad Retainer	CP6266-104
Wear Plate	CP6266-104
Pad Supports x 4	CP5870-108
Bleed Screw Kit	CP3880-1

PAD INFORMATION

- Pad Family = CP6267D50
- Pad Area = 60.4cm²
- Pad Depth = 50.0mm
- Pad Thickness = 25.0mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP6268

6 Piston, Forged Radi-CAL™ Front



TECHNICAL SPECIFICATION

Piston Sizes	Ø31.75mm
	Ø34.0mm
	Ø41.3mm
Piston Area	60.75cm ²
Disc Diameter	395mm
Disc Thickness	40.0mm
Weight No Pads	3.54Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	44.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	76.0mm

TYPICAL APPLICATIONS

- Touring Car.
- GT.
- Factory Competition Brake Kits.

FEATURES

- Radial mount, 210 x 44mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Forged monobloc Aluminium alloy body.
- Designed for Ø395 x 40mm Iron discs.
- Also suitable for Carbon discs.
- Stainless Steel pistons.
- Stainless Steel wear plates.
- Dual pad retainer option.
- H Piece
- Quick Release clip.

PART NUMBERS

- RHT = CP6268-12S7L.
- LHT = CP6268-13S7L.

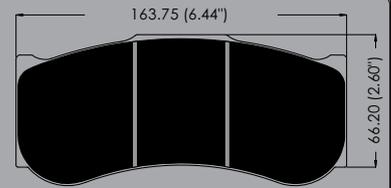
Note: It is important to select the correct hand of caliper, see page 4 for guidance.

SPARE PARTS

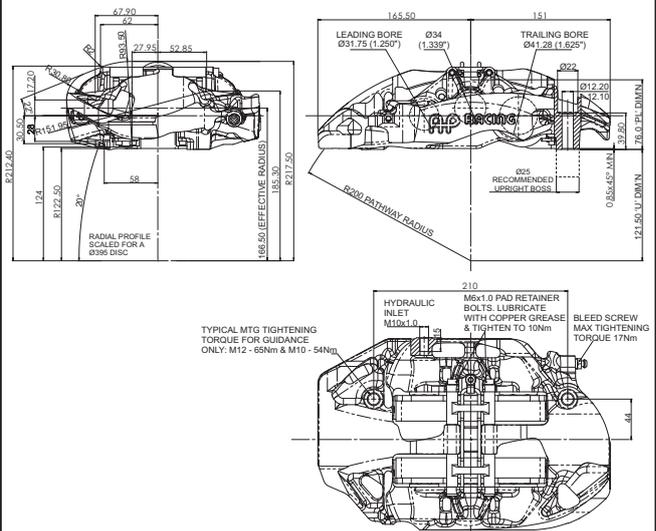
Pistons & Support Rings	
Ø31.75mm	CP6268-104 & CP3804-113
Ø34.0mm	CP6268-105 & CP3804-114
Ø41.3mm	CP6268-106 & CP3804-104
Seal Repair Kit	CP8518-EFK
Pad Abutment Plates x 4	CP6268-111
H Piece Pad Retainer Kit	CP6268-20
Quick Release (Clip) Pad Retainer Kit	CP6268-21
Pad Supports x 4	CP6268-112
Bleed Screw	CP3880-1
AKB Spring Kit	CP6518-7LB SSL

PAD INFORMATION

- Pad Family = CP6268D62
- Pad Area = 97.9cm²
- Pad Depth = 62.0mm
- Pad Thickness = 28.0mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP3676, CP3677, CP4586 & CP4596 Radial Mount



TECHNICAL SPECIFICATION

Piston Size / Piston Area	
CP3676	Ø41.3mm / 26.7cm ²
CP3677	Ø44.5mm / 31.04cm ²
CP4586	Ø36.0mm / 20.4cm ²
CP4596	Ø31.8mm / 15.83cm ²

Disc Diameter	Ø267mm
Disc Thickness	9.7mm
Weight No Pads	1.1Kg
Hydraulic Thread	3/8"x24UNF
Mounting Type	Radial
Mtg centres	95.0mm
Mtg offset	30.5mm
Mtg hole Ø	10.1mm
'PL' Dimension	47.33mm

TYPICAL APPLICATIONS

- Lightweight Single Seater Front.
- Rally / Circuit Rear.

FEATURES

- Radial mount, 95 x 30.5mm ctrs.
- Aluminium alloy body.
- Non handed.
- Suits Ø267 x 9.7mm solid disc. Versions are available for upto Ø300mm disc.
- Aluminium pistons.
- Quick release 'R' Clip pad retainer.

PART NUMBERS

- Ø41.3mm Bore - CP3676-4E0.
- Ø44.5mm Bore - CP3677-4E0.
- Ø36.0mm Bore - CP4586-4E0.
- Ø31.8mm Bore - CP4596-4E0.

INSTALLATION

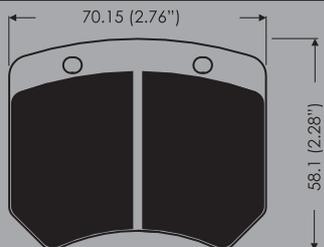
Install with bleed screws at the top (swap with blanking plug as required) to enable a good bleed.

SPARE PARTS

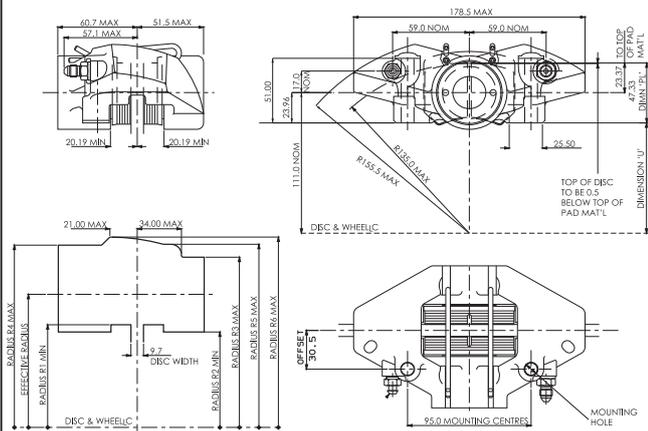
Pistons	
CP3676	CP2576-105
CP3677	CP2577-102
CP4586	CP3177-102
CP4596	CP3178-102
Pad Retainer	R Clip
Retainer P/No.	CP2213-17
Seal Repair Kit	
CP3676	CP4518-K
CP3677	CP4518-L
CP4586	CP4518-H
CP4596	CP4518-E
Bleed Screw	CP3720-182

PAD INFORMATION

- Pad Family = CP2399D43
- Pad Area = 27.4cm²
- Pad Depth = 42.9mm
- Pad Thickness = 14.4mm



INSTALLATION DRAWING FOR CP3676.



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP3696 - Lug Mount



TYPICAL APPLICATIONS

- Formula Ford.
- Rear of lightweight FWD Cars.

FEATURES

- Lug Mount, 89 x 19.1mm ctrs.
- Non handed.
- Two piece Aluminium alloy body.
- Suits Ø267mm x 7.1mm solid disc.
- Aluminium alloy pistons.
- R' Clip pad retainer.
- Interchangeable with CP2505-3S0.

PART NUMBERS

- CP3696-6E0.

INSTALLATION

Install with bleed screws at the top (swap with blanking plug as required) to enable a good bleed.

TECHNICAL SPECIFICATION

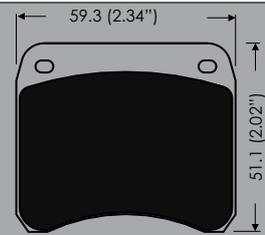
Piston Size	Ø41.3mm
Piston Area	26.7cm ²
Disc Diameter	Ø267mm
Disc Thickness	7.1mm
Weight No Pads	800g
Hydraulic Thread	3/8"x24UNF
Mounting Type	Lug
Mtg centres	89.0mm
Mtg offset	19.1mm
Mtg hole Ø	10.15mm
'PL' Dimension	45.5mm

SPARE PARTS

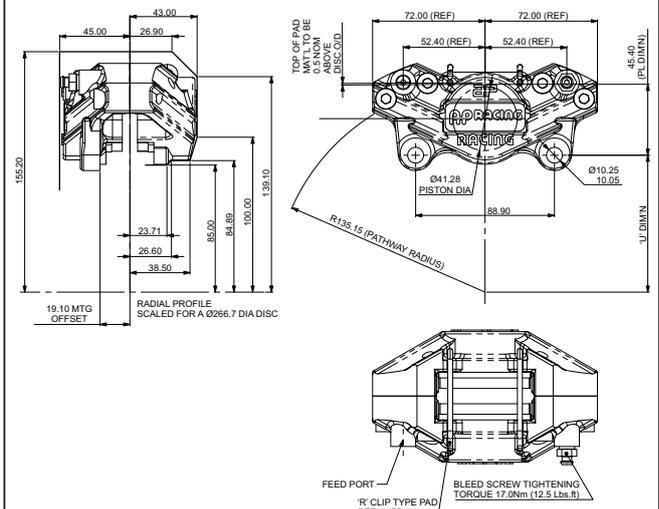
Pistons	CP3696-105
Seal Repair Kit	CP4518-K
Pad Retainer	R Clip
Retainer P/No.	CP3696-106
Bleed Screw	CP3720-182

PAD INFORMATION

- Pad Family = CP2195D38
- Pad Area = 22.4cm²
- Pad Depth = 38.4mm
- Pad Thickness = 10.5mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP5928 - Billet Body



- TYPICAL APPLICATIONS**
- Touring Car Rear.
 - Rally Rear.
 - Lightweight Single Seater Front.

- FEATURES**
- Radial mount, 95 x 33.65mm ctrs.
 - Billet two piece Aluminium alloy body.
 - Non handed.
 - Suits Ø300.0 x 16.0mm ventilated Iron disc.
 - Aluminium pistons.
 - Quick release 'R' Clip pad retainer.
 - Stainless steel wear plates fitted.
 - M10 to 3/8" fitting included.

- PART NUMBERS**
- CP5928-5E0.

INSTALLATION

Install with bleed screws at the top (swap with blanking plug as required) to enable a good bleed.

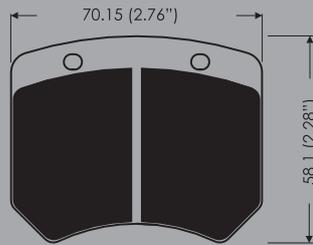
TECHNICAL SPECIFICATION

Piston Size	Ø36.0mm
Piston Area	20.4cm ²
Disc Diameter	Ø300mm
Disc Thickness	16.0mm
Weight No Pads	1.1Kg
Hydraulic Thread	M10 x 1.0
Mounting Type	Radial
Mtg centres	95.0mm
Mtg offset	33.65mm
Mtg hole Ø	10.20mm
'PL' Dimension	46.73mm

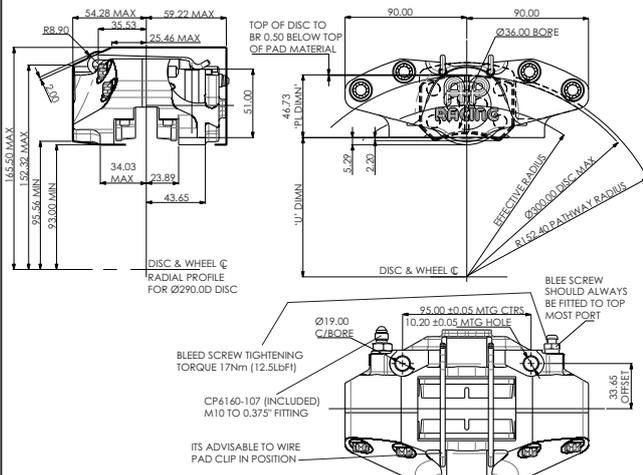
SPARE PARTS

Pistons	CP5569-111
Seal Repair Kit	CP4518-H
Pad Retainer	R Clip
Retainer P/No.	CP4140-110
Bleed Screw	CP3880-1
Wear Plates x 4	CP5586-104
Wear Plate Bolt x 4	CP5166-108

- PAD INFORMATION**
- Pad Family = CP2399D43
 - Pad Area = 27.4cm²
 - Pad Depth = 42.9mm
 - Pad Thickness = 14.4mm



INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

CP6120 & CP6121 - Solid Disc CP6126 - Ventilated Disc



TYPICAL APPLICATIONS

- Formula Ford.
- Rally Rear.
- CP6126 Suitable for Lightweight Sportscars.

FEATURES

- Radial mount, 130 x 20.9mm ctrs.
- Two piece cast Aluminium alloy body.
- CP6120 & CP6121 suitable for solid disc up to Ø282 x 12.7mm, max thickness.
- CP6126 suitable for ventilated discs upto Ø280mm x 17.8mm, max thickness.
- Aluminium pistons.
- High temperature / low drag seals fitted as standard.
- Version with pipe protection available for CP6120 family only.

PART NUMBERS

- Caliper with Ø44.5mm pistons for Solid Disc:
 - CP6120-2S0 RHT / LHL.
 - CP6120-3S0 LHT / RHL.
- Calipers with Ø38.1mm pistons for Solid Disc:
 - CP6121-2S0 RHT / LHL.
 - CP6121-3S0 LHT / RHL.
- Calipers with Ø44.5mm pistons for Vented Disc:
 - CP6126-2S4 RHT / LHL.
 - CP6126-3S4 LHT / RHL.

Note: It is important to select the correct hand of caliper, see page 4 for guidance.



TECHNICAL SPECIFICATION

Piston Size / Piston Area

CP6120 & CP6126	Ø44.5mm / 31.04cm ²
CP6121	Ø38.1mm / 22.8cm ²

Disc Diameter Upto Ø282mm

Disc Thickness

CP6120 / CP6121	12.7mm
CP6126	17.8mm

Weight No Pads 1.5Kg

Hydraulic Thread M10x1.0

Mounting Type Radial

Mtg centres 130.0mm

Mtg offset

CP6120 / CP6121	20.9mm
CP6126	23.86mm

Mtg hole Ø 10.1mm

'PL' Dimension 50.51mm

SPARE PARTS

Pistons

CP6120	CP5235-108
CP6121	CP6121-104
CP6126	CP5119-104

Pin Pad Retainer Part No

CP6120 / CP6121	CP6120-103
CP6126	CP5119-107

Seal Repair Kit

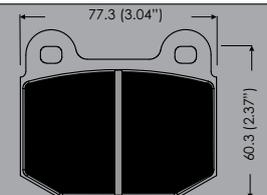
CP6120 / CP6126	CP4518-L
CP6121	CP4518-J

Bleed Screw CP3880-1

Fluid Pipe

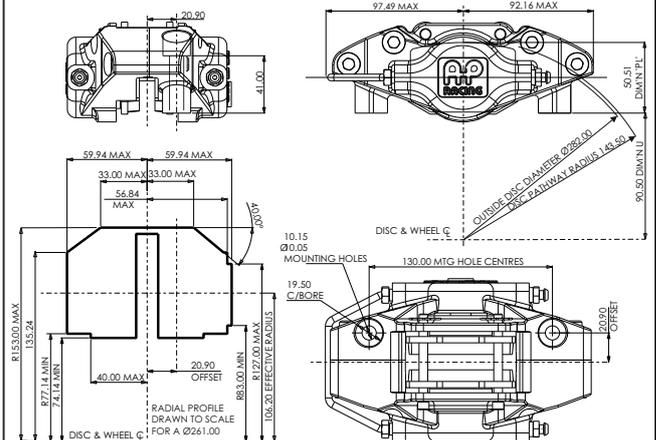
CP6120 / CP6121	CP6120-6
CP6126	CP5119-123

- PAD INFORMATION**
- Pad Family = CP5119D50
 - Pad Area = 33.7cm²
 - Pad Depth = 50.0mm
 - Pad Thickness = 14.3mm



INSTALLATION DRAWING - CP6120-2/3S0

For CP6121 & CP6126 drawings visit www.apracing.com



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

BRAKE CALIPERS - Historic Race



AP Racing's "Historic" Range of calipers are detailed below. These "Classic" items, such as CP2383 and CP2561 and have been reintroduced due to the popularity of various historic racing categories. The "Historic" Range of calipers are usually made to order, however some calipers are stock items, please check availability with AP Racing first. Spare part details for the calipers detailed can be found on our website.



CP2382 and CP2383 2 Piston Calipers.



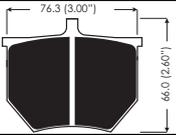
TECHNICAL SPECIFICATION	
Piston Sizes	Ø50.8mm x 2
Disc Dia.	
Max	Ø266.7mm
Min	Ø254.0mm
Disc Thickness	
CP2382	20.7mm
CP2383	
Max	11.2mm
Min	9.7mm
Weight (No Pads)	1.8Kg
Hydraulic Thread	3/8"x24 UNF
Mounting Type	Lug
Mounting centres	88.9mm
Mounting offset	
CP2382	29.7mm
CP2383	24.9mm
Mtg hole Ø	11.27mm
'PL' Dim'n	54.1mm
Seal	
Repair Kit	CP4518-N

APPLICATIONS
<ul style="list-style-type: none"> CP2382, Escort Rear, Grp 4 Rally Vented Disc. CP2383, Escort Rear, Grp 4 rally Solid Disc.

FEATURES
<ul style="list-style-type: none"> Lug mount. Cast Aluminium alloy body. Aluminium alloy pistons. Hard anodised surface treatment.

PART NUMBERS
<ul style="list-style-type: none"> Vented Disc. - CP2382-12E4, RH & -13E4, LH Solid Disc. - CP2383-12E4, RH & -13E4, LH.

Pad Family - CP2372D52
Pad Thickness = 15.9mm



CP2561 2 Piston Caliper.



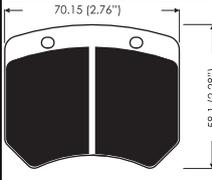
TECHNICAL SPECIFICATION	
Piston Sizes	Ø38.1mm x 2
Disc Dia.	Ø278.0mm
Disc Thickness	
Max	25.4mm
Min	22.8mm
Weight (No Pads)	1.17Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mounting centres	88.9mm
Mounting offset	50.0mm
Mtg hole Ø	9.6mm
'PL' Dim'n	26.0mm
Seal	
Repair Kit	CP4518-J

APPLICATIONS
<ul style="list-style-type: none"> Historic Formula One, Balanced Braking from 1977 - 1985.

FEATURES
<ul style="list-style-type: none"> Lug mount. Balanced braking (2 Calipers per disc). Cast Aluminium alloy body. Hard anodised surface treatment. R Clip pad retainer. High temperature seals.

PART NUMBER
- CP2561-3S4.

Pad Family - CP2554
Pad Thickness = 16.8mm



CP2270 4 Piston Caliper.



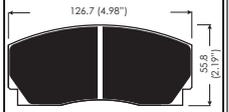
TECHNICAL SPECIFICATION	
Piston Sizes	Ø41.3mm x 4
Disc Dia.	
Max	Ø302.0mm
Min	Ø260.0mm
Disc Thickness	28.0mm
Weight (No Pads)	2.7Kg
Hydraulic Thread	3/8"x24 UNF
Mounting Type	Blank Lug
Mounting centres	76.2 / 94.0mm
Mounting offset	33.3 / 42.4mm
Mtg hole Ø	N / A
'PL' Dim'n	66.3 / 85.6mm
Seal	CP4518-KK

APPLICATIONS
<ul style="list-style-type: none"> Rally. Sports GT. Saloons.

FEATURES
<ul style="list-style-type: none"> Closed back aluminium alloy body. Blank lug mount. Ø41.3mm Aluminium alloy pistons. High temperature seals. Hard anodised surface treatment.

PART NUMBERS
<ul style="list-style-type: none"> Right Hand. CP2270-144S4QR Left Hand. CP2270-145S4QR

Pad Family - CP2270D46
Pad Thickness = 16.6mm



CP2271 4 Piston Caliper.



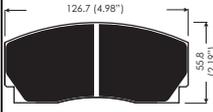
TECHNICAL SPECIFICATION	
Piston Sizes	Ø38.1mm x 4
Disc Dia.	
Max	Ø302.0mm
Min	Ø260.0mm
Disc Thickness	28.0mm
Weight (No Pads)	2.7Kg
Hydraulic Thread	3/8"x24 UNF
Mounting Type	Blank Lug
Mounting centres	76.2 / 94.0mm
Mounting offset	33.3 / 42.4mm
Mtg hole Ø	N / A
'PL' Dim'n	66.3 / 85.6mm
Seal	CP4518-JJ

APPLICATIONS
<ul style="list-style-type: none"> Rally. Sports GT. Saloons.

FEATURES
<ul style="list-style-type: none"> Closed back Aluminium Alloy body. Blank lug mount. Ø38.1mm Aluminium Alloy pistons. Hard anodised surface treatment.

PART NUMBERS
<ul style="list-style-type: none"> Right Hand. CP2271-182S4QR Left Hand. CP2271-183S4QR

Pad Family - CP2270D46
Pad Thickness = 16.6mm



CP2279 4 Piston Caliper.



TECHNICAL SPECIFICATION	
Piston Sizes	Ø44.5mm x 4
Disc Dia.	
Max	Ø330.0mm
Min	Ø260.0mm
Disc Thickness	28.0mm
Weight (No Pads)	3.4Kg
Hydraulic Thread	3/8"x24 UNF
Mtg Type	Blank Lug
Mounting centres	
Max	88.9mm
Min	80.3mm
Mounting offset	
Max	50.0mm
Min	35.8mm
Mtg hole Ø	
Max	12.7mm
Min	10.1mm
'PL' Dimension	
Max	86.4mm
Min	70.6mm
Seal	CP4518-LL

APPLICATIONS
<ul style="list-style-type: none"> Sports GT.

FEATURES
<ul style="list-style-type: none"> Closed back Aluminium Alloy body. Blank lug mount. Ø44.5mm Aluminium alloy pistons. Hard anodised surface treatment.

PART NUMBER
- Non Handed CP2279-400S4BP

Pad Family - CP2279D50
Pad Thickness = 20.4mm



CP2361 4 Piston Caliper.



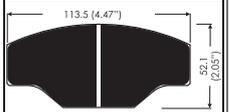
TECHNICAL SPECIFICATION	
Piston Sizes	Ø38.1mm x 4
Disc Dia.	
Max	Ø267.0mm
Min	Ø248.0mm
Disc Thickness	20.7mm
Weight (No Pads)	2.0Kg
Hydraulic Thread	3/8"x24 UNF
Mounting Type	Blank Lug
Mounting centres	76.2 / 94.0mm
Mounting offset	28.7 / 31.2mm
Mtg hole Ø	N / A
'PL' Dimension	55.1 / 81.2mm
Seal	CP4518-JJ

APPLICATIONS
<ul style="list-style-type: none"> Rally. Sports GT.

FEATURES
<ul style="list-style-type: none"> Closed back Aluminium Alloy body. Blank lug mount to suit 13" wheels. Ø38.1mm Aluminium Alloy pistons. Hard anodised surface treatment.

PART NUMBERS
<ul style="list-style-type: none"> Right Hand. CP2361-96S4QR Left Hand. CP2361-97S4QR

Pad Family CP2340D43 or D51
Pad Thickness = 15.9mm




CP2696-38E0

2 Piston, Classic Caliper.



APPLICATIONS

- Solo machines.
- Classic machines.
- F2 Sidecar.

FEATURES

- Classic design.
- Aluminium alloy body.
- Machined from high quality die castings.
- Aluminium alloy pistons.
- Hard anodised surface treatment.
- Split pin pad retainer.

PART NUMBERS

- CP2696-38E0.

TECHNICAL SPECIFICATION

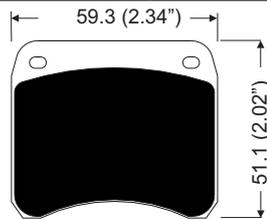
Piston Sizes x 2	Ø41.3mm
Piston Area	26.8cm ²
Disc Diameter	Ø304.0mm
Disc Thickness	6.4mm
Weight No Pads	900g
Hydraulic Thread	3/8" x 24UNF
Mounting Type	Lug
Mtg centres	89.0mm
Mtg offset	19.1mm
Mtg hole Ø	10.2mm
Seal Repair Kit	CP4518-K

SPARE PARTS

Piston	CP2055 x 1
	CP2195-9 x 1
Pad Retainer	Split Pin
Retainer P/No.	CP2696-160
Bleed Screw	CP3720-182
B/Screw Tightening Torque	- 17Nm

BRAKE PAD-CP2195D38

Pad Thickness	10.5mm
Pad Depth	38.4mm
Pad Area	10.5cm ²



CP4227-2S0

2 x 2, Rear Caliper.



APPLICATIONS

- Grand Prix.
- Superbike.
- Road.
- FSAE - Formula Student.

FEATURES

- Dual circuit caliper designed to allow the use of both a foot and thumb master cylinder.
- Aluminium alloy body.
- CNC machined from billet.
- Low Deflection.
- Lightweight.
- Aluminium alloy pistons.
- Hard anodised surface treatment.
- 'R' Clip quick release pad retainer.

PART NUMBERS

- CP4227-2S0

TECHNICAL SPECIFICATION

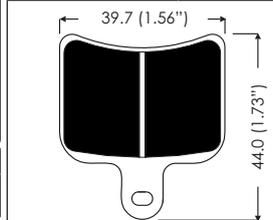
Piston Sizes x 4	Ø25.4mm
Piston Area	20.2cm ²
Disc Diameter	Ø220.0mm
Disc Thickness	4.0mm
Weight No Pads	500g
Hydraulic Thread	M10 x 1.0
Mounting Type	Lug
Mtg centres	96.0mm
Mtg offset	26.5mm
Mtg threads	M8 x 1.25
Seal Repair Kit	CP4518-AA

SPARE PARTS

Piston	CP4226-103
Pad Retainer	R Clip
Retainer P/No.	CP4226-107
Bleed Screw	CP4469-101
B/Screw Tightening Torque	- 5.5Nm

BRAKE PAD-CP4226D27

Pad Thickness	7.0mm
Pad Depth	26.8mm
Pad Area	9.4cm ²



CP4226-2S0

2 Piston, Rear Caliper.



APPLICATIONS

- Moto GP. / ■ Superbike.
- Road. / ■ FSAE - Formula Student.

FEATURES

- Aluminium alloy body.
- CNC machined from billet.
- Aluminium alloy pistons.
- Lightweight.
- Hard anodised surface treatment.
- 'R' Clip quick release pad retainer.

PART NUMBERS

- CP4226-2S0.

TECHNICAL SPECIFICATION

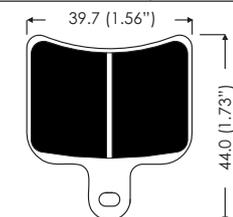
Piston Sizes x 2	Ø25.4mm
Piston Area	10.1cm ²
Disc Diameter	Ø220.0mm
Disc Thickness	4.0mm
Weight No Pads	240g
Hydraulic Thread	M10x1.0
Mounting Type	Lug
Mtg centres	64.0mm
Mtg offset	26.5mm
Mtg Thread	M8x1.25
Seal Repair Kit	CP4518-A

SPARE PARTS

Piston	CP4226-103
Pad Retainer	R/Clip
Retainer P/No.	CP4226-104
Bleed Screw	CP4469-101
B/Screw Tightening Torque	- 5.5Nm

BRAKE PAD-CP4226D27

Pad Thickness	7.0mm
Pad Depth	26.8mm
Pad Area	9.4cm ²



CP7853

4 Piston, 2 Piece, Radial Mount Caliper.



APPLICATIONS

- Performance Road.
- Supermoto.

FEATURES

- Radial mount.
- Two piece aluminium alloy body.
- Machined from billet.
- Aluminium alloy pistons.
- Differential bore diameters. - for extended pad life.
- Pad anti-rattle clip fitted.
- Hard anodised surface treatment.
- 'R' Clip quick release pad retainer.

PART NUMBERS

- CP7853-2E0 Right Hand.
- CP7853-3E0 Left Hand.

TECHNICAL SPECIFICATION

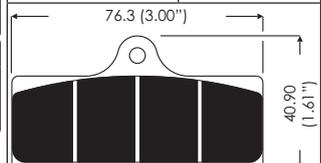
Piston Sizes	Ø31.75mm x 2
	Ø36.0mm x 2
Piston Area	36.2cm ²
Disc Diameter	Ø320.0mm
Disc Thickness	6.0mm
Weight No Pads	760g
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	108.0mm
Mtg offset	22.5mm
Mtg hole	10.15mm
Seal Repair Kit	CP4518-EH

SPARE PARTS

Piston - Ø31.75	CP4484-107
Piston - Ø36.0	CP4484-106
Pad Retainer	R/Clip
Retainer P/No.	CP3696-106
Bleed Screw	CP4469-101
B/Screw Tightening Torque	- 5.5Nm

BRAKE PAD-CP4488D27

Pad Thickness	9.5mm
Pad Depth	27.0mm
Pad Area	18.55cm ²



INTRODUCTION.

Competition is the best of test-beds, and AP Racing's years of close involvement with motorsport also bring benefits for the latest high performance road cars, aftermarket and armoured vehicles. The emphasis may be different, qualified by the everyday demands of modern road conditions, but the essential requirements remain the same. With a dedicated Road Car and Armoured team of engineers and designers AP Racing helps to bring extraordinary capability to extraordinary cars like, Ascari, Aston Martin, Bugatti, Caterham, Ford, HSV, Koenigsegg, Noble, Morgan, Lotus, PSV, Seat and TVR, to name a few. In both brake and clutch requirements AP Racing takes pride in dealing with such prestigious companies and have the systems in place to offer our customers the best possible service available from a proven OE, Aftermarket, Armoured and special project brake system supplier.



SPECIAL VEHICLES

AP Racing can and have engineer unique solutions for various "Special Vehicles" sectors which includes Armoured or Defence, Hybrid, Electric, Land Speed, Bomb Disposal and even Aerospace applications, to a customer's own specific criteria and requirements. With varying duty levels of brake systems available, solutions can be designed and developed based on our specific vehicle testing procedures replicating the environments and scenarios experienced by these vehicles. AP Racings motorsport and OEM experiences breeds excellence which leads to exciting designed tried and tested brake and clutch packages for a selection of vehicles including:

Please contact:

Matthew Dodd for further details and technical information: Tel: +44 (0)24 7688 3339
E-Mail: matthew.dodd@apracings.co.uk



THE RANGE

The calipers detailed on pages 24 to 30 are the most popular from within the range but not all are listed. If your requirements differ from those listed then please contact AP Racing Road Car Technical Section,.

DESIGN & DEVELOPMENT.

The whole process of design and development is carried out at our headquarters in Coventry. With two brake dynamometers we are able to reproduce the most demanding test environments. AP Racing designers use the latest computer technology to produce aesthetic and effective brake calipers at the affordable prices the markets demands.

MANUFACTURING.

The purpose built manufacturing facilities for AP Racing Road Car and Armoured Vehicle products benefit from manufacturing techniques and systems that enable AP Racing the ability to produce brake calipers for models in production at up to 10,000 vehicles per annum.



IMPORTANT SAFETY NOTE FOR CUSTOMERS.

All AP Racing brake calipers are designed and exhaustively tested to ensure they meet a set of specified parameters for both strength and durability. It is important when selecting a brake caliper to ensure that the relevant operating parameters are not exceeded on the application on which the product is to be installed. Technical Data Sheets for Road calipers can be found on our website. It is the responsibility of the person specifying these products for a given application to ensure that the design parameters of the product are not exceeded.

TECHNICAL DATA SHEETS - BRAKE CALIPERS

Each Technical Data Sheet is specific to a caliper or family of calipers and details the maximum working pressure and maximum brake torque for each caliper. In addition they also include a guide to the typical gross vehicle weight to which this relates. These guides assume the application to be a standard passenger vehicle fitted with road tyres and therefore deceleration rates above 13m/s² (1.3g) will not be achievable.

CP5119
2 Piston, Suits Solid Discs



TYPICAL APPLICATION

- Road Lightweight Front or Rear.

FEATURES

- Radial mount, 130 x 33.75mm ctrs.
- Suits Ø282mm x 10mm solid disc.
- Aluminium alloy body.
- Aluminium alloy pistons.
- Piston dirt seals fitted.
- Advanced paint finish, protects against corrosion.
- Pad supports / retained on pins.

PART NUMBERS

- RHT - CP5119-12S4BK.
- LHT - CP5119-13S4BK.

INSTALLATION

It is important to select the correct 'hand' of caliper so that the bridge pipe is below the caliper and bleed screws are at the top to enable a good hydraulic bleed.

TECHNICAL SPECIFICATION

Piston Sizes	Ø44.5 x 2
Piston Area	31.11cm ²
Disc Diameter	Ø282.0
Disc Thickness	10.0mm
Weight No Pads	1.6Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mtg offset	33.75mm
Mtg hole Ø	10.2mm
'PL' Dimension	50.51mm

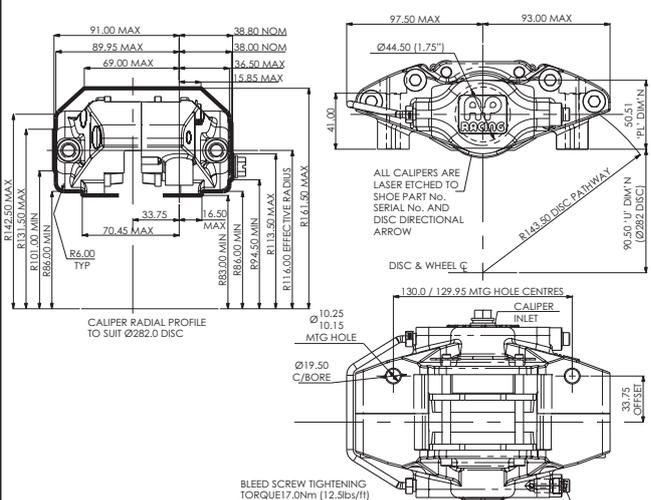
SPARE PARTS

Pistons	CP5119-104
Seal Repair Kit	CP4519-L
Pad Retainer	Pin
Retainer P/No.	CP5119-144
Bleed Screw	CP3720-173

PAD INFORMATION

- Pad Family = CP5119D50
- Pad Area = 33.7cm²
- Pad Depth = 50.0mm
- Pad Thickness = 14.3mm

INSTALLATION DRAWING



Note: Drawing for guidance only. Download latest issue installation drawing from www.apracings.com





CP9200

4 Piston, Two Piece Forged Body - Front



TYPICAL APPLICATION
<ul style="list-style-type: none"> Performance Road Front.

FEATURES
<ul style="list-style-type: none"> Radial mount, 152 x 46.8mm ctrs. Suits Ø330mm x 28mm iron disc. Two piece forged Aluminium alloy body. Aluminium alloy pistons. Boot type dirt seals fitted. Advanced gloss Black or Red anti-corrosion paint finish. Pad anti-rattle clip fitted. Replaces CP5200 Caliper Family.

PART NUMBERS
<ul style="list-style-type: none"> Black calipers - CP9200-2S0BG RHT. - CP9200-3S0BG LHT. - CP9200-4S0BG RHL. - CP9200-5S0BG LHL.
<ul style="list-style-type: none"> For Red Calipers - add 'R2' to end of part number e.g CP9200-2S0R2

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION	
Piston Size	Ø38.1mm
	Ø41.3mm
Piston Area	49.56cm ²
Disc Diameter	330.0mm
Disc Thickness	
Max	28.0mm
Min	26.0mm
Weight No Pads	2.43Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mounting offset	46.86mm
Mtg hole Ø	10.1mm - Nom
'PL' Dimension	60.36mm

SPARE PARTS	
Pistons	
Ø38.1mm	CP9200-108
Ø41.3mm	CP9200-109
Seal Repair Kit	CP4527-JK
Pad Retainer	Bolt
Retainer Part No.	CP5200-124
Retainer Bolt	CP3596-112ST
Bleed Screw	CP4970-125
Pad Anti- Rattle Clip	CP5200-151

CP9202

4 Piston, Two Piece Forged Body - Rear



TYPICAL APPLICATION
<ul style="list-style-type: none"> Performance Road Rear

FEATURES
<ul style="list-style-type: none"> Radial mount, 152 x 46.8mm ctrs. Suits Ø360mm x 28mm iron disc. Two piece forged Aluminium alloy body. Aluminium alloy pistons. Boot type dirt seals fitted. Advanced gloss Black or Red anti-corrosion paint finish. Pad anti-rattle clip fitted.

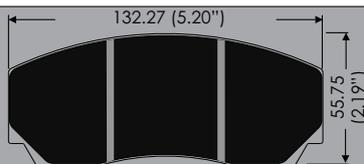
PART NUMBERS
<ul style="list-style-type: none"> Black calipers - CP9202-2S0BG RHT. - CP9202-3S0BG LHT. - CP9202-4S0BG RHL. - CP9202-5S0BG LHL.
<ul style="list-style-type: none"> For Red Calipers - add 'R2' to end of part number e.g CP9202-2S0R2

Note: It is important to select the correct hand of caliper, see page 4 for guidance.

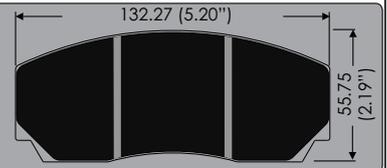
TECHNICAL SPECIFICATION	
Piston Size (x 4)	Ø27.0mm
Piston Area	22.72cm ²
Disc Diameter	360.0mm
Disc Thickness	
Max	28.0mm
Min	26.0mm
Weight No Pads	2.48Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mounting offset	46.86mm
Mtg hole Ø	10.1mm - Nom
'PL' Dimension	60.36mm

SPARE PARTS	
Pistons	CP9202-108
Seal Repair Kit	CP4527-CC
Pad Retainer	Tube
Retainer Part No.	CP5200-124
Retainer Bolt	CP3596-112ST
Bleed Screw	CP4970-125
Pad Anti- Rattle Clip	CP5200-151

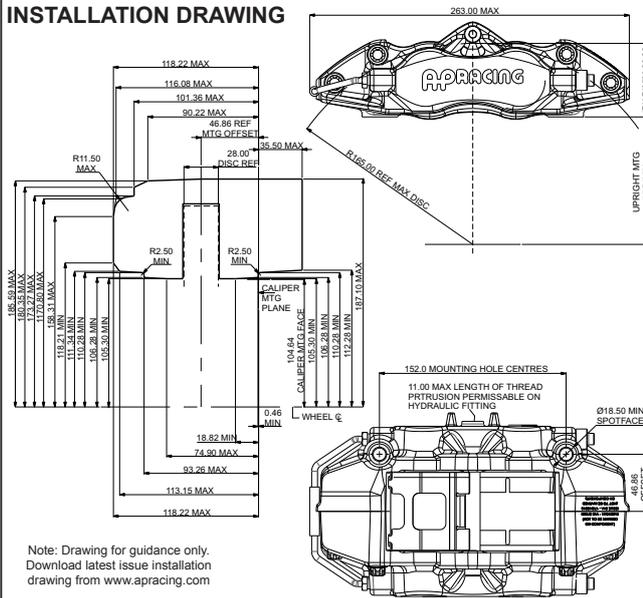
PAD INFORMATION
 - Pad Family = CP3215D50
 - Pad Area = 57.4cm²
 - Pad Depth = 50.3mm
 - Pad Thickness = 16.8mm



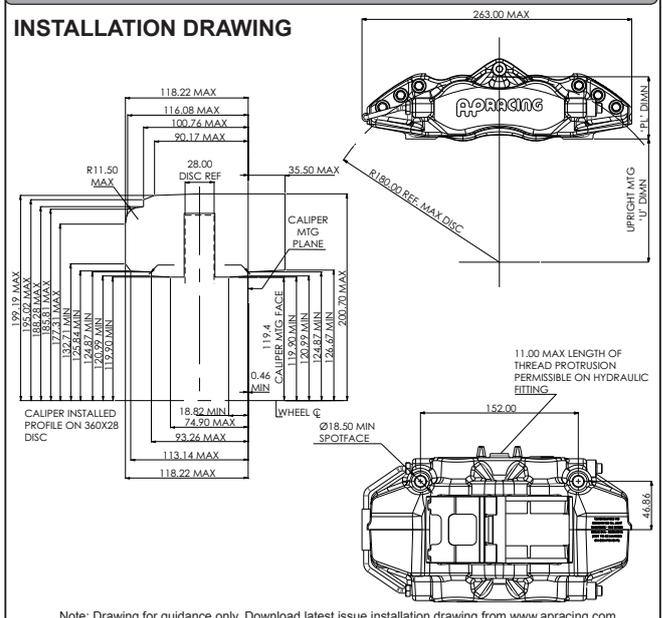
PAD INFORMATION
 - Pad Family = CP3215D50
 - Pad Area = 57.4cm²
 - Pad Depth = 50.3mm
 - Pad Thickness = 16.8mm



INSTALLATION DRAWING



INSTALLATION DRAWING



CP9040 6 Piston, Two Piece Forged Body



TYPICAL APPLICATIONS
<ul style="list-style-type: none"> High Performance Road. Factory Big Kit Caliper.

FEATURES
<ul style="list-style-type: none"> Radial mount, 152 x 53.2mm ctrs. Suits Ø362mm x 32mm iron disc. Two piece forged Aluminium alloy body. Aluminium alloy pistons. Boot type dirt seals fitted. Advanced gloss Black or Red anti-corrosion paint finish. Pad anti-rattle clip fitted.

PART NUMBERS
<ul style="list-style-type: none"> Black calipers - CP9040-2S0BG RHT. - CP9040-3S0BG LHT. - CP9040-4S0BG RHL. - CP9040-5S0BG LHL.
<ul style="list-style-type: none"> For Red Calipers - add 'R2' to end of part number e.g CP9040-2S0R2

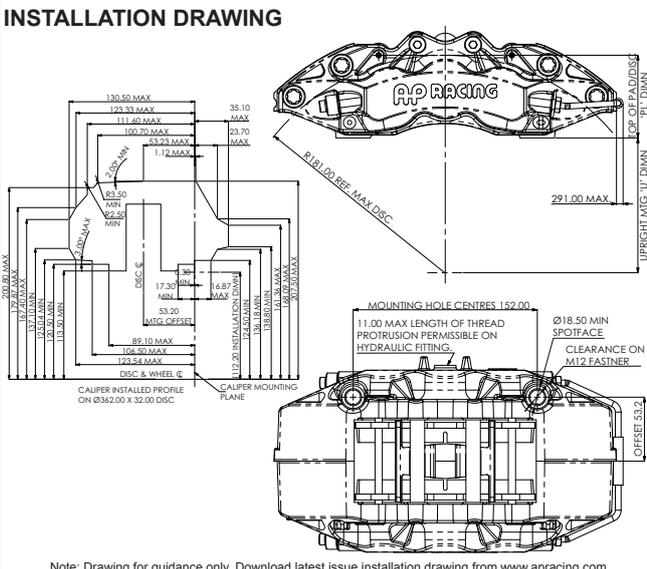
Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION	
Piston Sizes	Ø27.0mm Ø31.8mm Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	Ø362.0mm
Disc Thickness	
Max	32.0mm
Min	30.0mm
Weight No Pads	3.7Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	53.2
Mtg hole Ø	12.1mm
'PL' Dimension	68.8mm

SPARE PARTS	
Ø27.0 - Piston	CP9040-109
Ø31.8 - Piston	CP6696-124
Ø38.1 - Piston	CP6695-124
Seal Repair Kit	CP4527-CEJ
Pad Retainer	Tubes
Retainer Part No.	CP5555-157
Pad retaining pins	CP8335-116
Bleed Screw	CP3880-1
Anti-Rattle Clip	CP9040-108

PAD INFORMATION

- Pad Family = CP7040D61
- Pad Area = 72.50cm²
- Pad Depth = 61.0mm
- Pad Thickness = 16.75mm



WORLD *Radi-CAL II* INTRODUCTION



Following on from the success of our **Pro 5000** *R* range AP Racing has brought the same design philosophy to the road performance market in the form of the World *Radi-CAL II* range.

The forged 4 and 6 Piston range incorporate our patented technology allowing the road user to experience the superior performance that Radi-CAL™ offers.

In addition the calipers incorporate all the features demanded by the road market including, dirt seals, an attractive painted finish and noise abatement solutions.

Offering less mass, improved rigidity and better cooling characteristics than conventional brake caliper designs, the Radi-CAL™ concept represents a major innovation in braking technology when it was introduced.

The patented design was first developed by AP Racing in 2007, since then we have produced over 80 different Radi-CAL™ caliper designs for Race, OEM and now Performance upgrades markets.

AP Racing is constantly refining its Radi-CAL™ brake caliper designs, and the concept is protected by patents across Europe and in numerous other countries including the USA, China and Japan.

To complement these calipers AP Racing also supply a range of discs, pads and fluids. AP Racing always recommend the use of AP Racing brake discs and brake fluids with our calipers to achieve optimum performance and comfort.

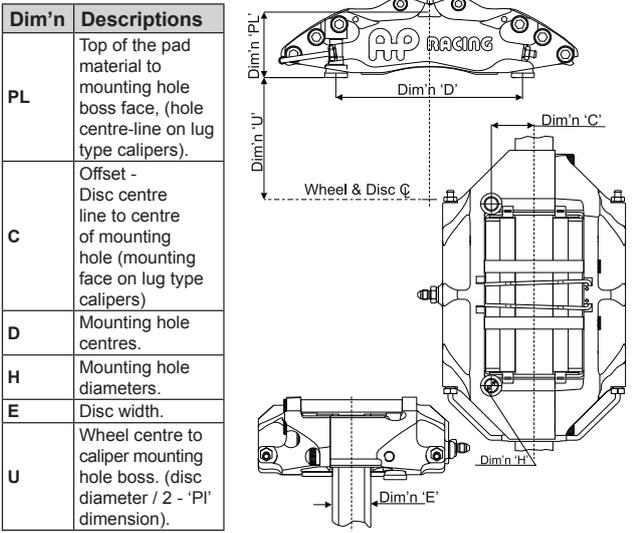
For more detailed information please contact the AP Racing technical department for further assistance.

RECOMMENDED TIGHTENING TORQUES.

- AP Racing recommended tightening torques:
- ▣ M6 & ¼ UNF Pad Retaining Bolts: - **18Nm**
 - ▣ M4 Pad abutment cap head screws: (use loctite 242) - **3.5Nm**
 - ▣ M4 wear sensor clamp screw: (use loctite 243) - **3.0Nm**
 - ▣ Cross pipe tube nuts: (Use loctite 648 inside tube nuts, with 7649 activator) - **24Nm**
 - ▣ 3/8"UNF Adaptors and Banjo bolts:
 - With one copper gasket: - **13Nm + 45°**
 - With two copper gaskets: - **13Nm + 90°**
- Resulting maximum torque must not exceed: - **30Nm**
- ▣ CP6300 Dry Break Connector into caliper: - **13Nm** (Loctite 270 can be used)
 - ▣ Dry Break connector cap: - **4Nm**
 - ▣ Bleed Screws: - **17Nm**

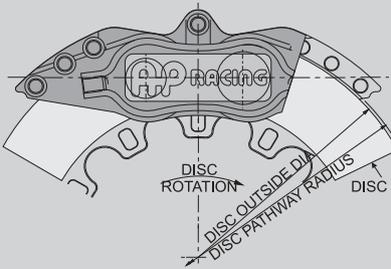
BASIC DIMENSIONS.

The drawing below offers a brief explanation of basic AP Racing Drawing dimensions.



DISC PATHWAY CLEARANCE.

Disc diameter clearance should be 2.5mm nominal from disc outside diameter to caliper pathway. The clearance can be reduced to 1.8mm minimum for smaller diameter discs (Ø280mm and lower). It is recommended that the tighter clearance is only used with radial mounted calipers where some degree of adjustment by using shims can be achieved if required.



ANTI-KNOCKBACK SPRINGS.

A range of anti-knockback springs are available for use with AP Racing calipers. The spring is located behind the piston in the caliper bore and is designed to counteract pad knock off. The springs are available in four loads indicated in lbs/f (force) with 2 sizes dependant upon piston diameter.

Spring Load.	Piston ØF. Up to 34mm.	Free Length & Wire Ø. (mm)	Piston ØG. 34.9mm & above.	Free Length & Wire Ø. (mm)
4lbs	CP2632-113	38.43 & 0.91	CP2667-105	39.88 & 1.22
7lbs	CP4100-121	39.88 & 1.02	CP2667-113	39.88 & 1.29
9lbs	CP3432-134	49.02 & 1.02	CP2667-125	70.36 & 1.29
12lbs	CP2632-129	58.50 & 1.29	CP2667-154	70.36 & 1.49

Anti-Knockback Spring Kits.

Caliper Type	Part Number	Contents
4 Piston	CP6518-4LBSS	4 x CP2632-113
	CP6518-4LBLL	4 x CP2667-105
	CP6518-7LBLL	4 x CP2667-113
	CP6518-9LBLL	4 x CP2667-125
6 Piston	CP6518-4LBSSL	4 x CP2632-113 & 2 x CP2667-105
	CP6518-7LBSSL	4 x CP4100-121 & 2 x CP2667-113
	CP6518-9LBSSL	4 x CP3432-134 & 2 x CP2667-125

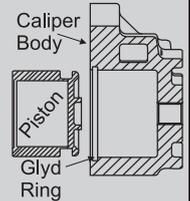
REPLACEMENT CALIPER SEALS

Brake calipers are a safety critical item and AP Racing recommend that calipers are reconditioned and piston seals inspected regularly to maintain optimum performance. Where calipers have been subjected to high temperatures or have been used in adverse conditions e.g. Off Road / Rallying, the calipers should be reconditioned and seals replaced more frequently to ensure that safety and performance levels are maintained. When cleaning calipers use warm soapy water or an alcohol based cleaning fluid e.g. Methylated Spirits.

DO NOT USE PETROL, GASOLINE OR MINERAL OIL CLEANER / LUBRICATE as this will damage the seals. Replacement seal kits are available for all AP Racing brake calipers. Depending on the seal type being replaced the following recommended procedures should be followed. To find correct seal kit see page 33.

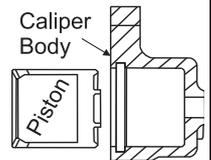
CP4509 (SEAL ON PISTON)

- 1) Soak new seals in brake fluid for minimum of 30 minutes.
 - 2) Clean brake caliper with warm soapy water and dry off.
 - 3) With the pads removed insert a brake disc or block into the centre of the caliper. Using either hydraulic pressure or compressed air carefully extend all pistons against the disc or block. Remove block and remove pistons. **Keep all body parts away from escaping air and caliper pistons.**
- CAUTION:** Your caliper is fitted with a Glyd Ring just inside the opening of each caliper bore. This ring should be examined and replaced if caliper has been subjected to high temperatures or used in adverse conditions e.g. Off Road / Rallying or not changed for a year.
- 4) Carefully remove old seals from piston with a narrow blunt edged tool.
 - 5) Ensure that caliper bores, seal grooves and pistons are clean and free from debris and moisture. **Use only Alcohol based cleaning fluid, not Mineral oil.**
 - 6) Carefully fit replacement seal into groove on piston ensuring that it seats correctly in the groove. Check seals are free from damage and correctly seated in groove not twisted or kinked.
 - 7) Carefully engage piston into caliper bore and using a suitable rigid flat bar to apply even pressure, push pistons fully into body. N.B. Excessive force should not be necessary. If piston does not slide smoothly into bore remove & check seal has been fitted correctly.



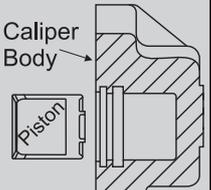
CP4518 & CP8518 (SEAL IN BORE)

- 1) Soak new seals in brake fluid for minimum of 30 minutes.
- 2) Clean brake caliper with warm soapy water and dry off.
- 3) With the pads removed insert a brake disc or block into the centre of the caliper. Using either hydraulic pressure or compressed air carefully extend all pistons against the disc or block. Remove block and remove pistons. **Keep all body parts away from escaping air and caliper pistons.**
- 4) Carefully remove old seals with a narrow blunt edged tool.
- 5) Ensure that caliper bores, seal grooves and pistons are clean and free from debris and moisture. **Use only Alcohol based cleaning fluid, not Mineral oil.**
- 6) Carefully fit replacement seal into groove in caliper body ensuring that it seats correctly in the groove. Check seals are free from damage and correctly seated in groove not twisted or kinked.
- 7) Carefully engage piston into caliper bore and using a suitable rigid flat bar to apply even pressure, push pistons fully into body. N.B. Excessive force should not be necessary. If piston does not slide smoothly into bore remove & check seal has been fitted correctly.



CP4519 (SEAL IN BORE WITH DIRT SEAL)

- 1) Soak new pressure seals in brake fluid for minimum of 30 minutes. Do not soak dirt seals (double lip).
- 2) Clean brake caliper with warm soapy water and dry off.
- 3) With the pads removed insert a brake disc or block into the centre of the caliper. Using either hydraulic pressure or compressed air carefully extend all pistons against the disc or block. Remove block and remove pistons. **Keep all body parts away from escaping air and caliper pistons.**
- 4) Carefully remove both old seals with a narrow blunt edged tool.



BRAKE CALIPERS - Replacement Caliper Seals

CP4519 (SEAL IN BORE WITH DIRT SEAL) CON'T.

5) Ensure that caliper bores, seal grooves and pistons are clean and free from debris and moisture. Use only Alcohol based cleaning fluid, not Mineral oil.

6) Carefully fit both replacement seals into groove in caliper body ensuring that they seat correctly in the grooves. Check seals are free from damage and correctly seated in grooves not twisted or kinked.

7) Carefully engage piston into caliper bore and using a suitable rigid flat bar to apply even pressure, push pistons fully into body. N.B. Excessive force should not be necessary. If piston does not slide smoothly into bore remove & check seals has been fitted correctly.

CP4525 & CP4527 (BOOT TYPE WITH DIRT SEAL)

Removal: Before removal procedure begins the brake caliper should be thoroughly cleaned using warm soapy water only. Ensure that all hydraulic ports are sealed before cleaning and dry caliper thoroughly before work begins.

Do not use chemical cleaners of any kind or petrol/gasoline or mineral oil based, as these will cause permanent damage to the new seals.

1) Use a reaction block selected to fill the full width of the caliper pathway as shown in fig.1. This block must span the length of the caliper opening and be well supported between the brake pad abutments at either end of the caliper.

2) Loosely insert a hydraulic fitting (M10x1.0) into the caliper feed port as shown in fig.2 (a spare Bleed Screw loosely fitted will suffice). Do not tighten to form a seal.

3) Press a hand held air gun against the fitting as shown in fig.3 and allow a short, high pressure burst of air to enter the caliper (a perfect seal between the air gun and fitting is neither necessary or advisable). Keep all body parts away from escaping air and caliper pistons.

4) A single burst of air should be sufficient to extend all pistons at once as shown in fig.4. If one or more pistons remain jammed in the caliper body after repeating this step then the caliper may need to be returned to AP Racing for assessment. Please contact AP Racing Technical for assistance.

5) Remove reaction block. It is possible that the dirt seals may become detached from the caliper body at this point. If so the pistons can be carefully pulled from the caliper body with dirt seals attached. It is also possible that the dirt seal may become detached from the piston in which case the piston should be pulled through the dirt seal to remove. Where dirt seal remains attached to both piston and caliper body a small blunt instrument (such as a rounded off screwdriver, see fig.10) should be used to carefully release the dirt seal from the piston, as shown in fig.5.

6) Fig.6 shows pistons removed with dirt seals remaining attached to caliper body.

7) The dirt seal can now be removed by carefully inserting a narrow, blunt blade (such as a medium sized screwdriver) through the seal opening and between the outer ring of the seal and the back wall of the dirt seal recess as shown in fig.7. By gently turning the screwdriver the seal should work free. Only very light force is required to perform this operation. Never use excessive force as damage to caliper body may result.

8) Once dirt seal is removed the pressure seal will be exposed, located in the groove in the caliper body as shown in fig.8.

9) Using the small blunt instrument from step 5 (see fig.10), carefully remove the pressure seal from the caliper body as shown in fig.9.

10) All dirt and pressure seals should be removed from the caliper by following the above procedure. Before new seals are fitted all pistons and the caliper body should be inspected for damage. If damage of any kind is present on either the caliper bores or piston outer diameters the caliper should be considered unfit for use and either replaced or returned to AP Racing for assessment. If in doubt regarding any aspect of caliper safety please contact AP Racing Technical for assistance.

Refitting:

11) Before re-assembly ensure that all parts are perfectly clean and free from debris or moisture. Replacement pressure seals should be soaked in AP Racing brake fluid for 30 minutes prior to fitment. Do not remove excess brake fluid as the excess will aid fitment of pistons. Do not soak dirt seals.

12) Carefully fit pressure seal into groove in caliper body ensuring that it seats correctly in the groove. Seal should be free from damage and not be twisted or kinked. Pre-assemble dirt seal on piston (seal locates in groove on piston end). Carefully slide piston into caliper bore (pressure seal must already have been installed as shown in fig.11. Only light pressure applied by hand is required. If piston does not slide easily into place remove and inspect parts. If difficulty is experienced when installing pistons please contact AP Racing Technical for assistance.

13) The dirt seals can now be pressed into caliper body. Carefully locate seal in caliper body using finger pressure only. Then select a suitable rigid, flat bar or similar as shown in fig.12. and position to cover dirt seal.

14) Apply slow and even pressure to dirt seal using bar as shown in fig.13. Care must be taken to ensure that dirt seal is inserted square to the caliper body.

15) On correct installation the dirt seal should sit flush with the caliper body as shown in fig.14. Repeat steps 12 to 15 to fit all remaining pistons and seals. Once calipers are refitted to vehicle a pressure test should be carried out to check for leaks. With the engine running press the brake pedal and hold at a constant load for 60 seconds. No 'sinking' of the brake pedal should occur. If the pedal does 'sink' (travel further when under constant/steady load) it should be considered that a leak in the brake system is present. If a leak is suspected check all hydraulic joints and inspect re-conditioned calipers. If cause of leak cannot be identified contact AP Racing Technical for assistance before vehicle is used. The repair kit may also contain 2 off small 'O'Rings for replacement of Bleed Screw seals where fitted. There may also be replacement Bleed Screw dust caps included. Where included these parts should be fitted to the brake caliper. Replacement seal kit details for all piston configurations used in AP Racing brake calipers "seal in bore", "seal on piston" and "seal in bore with dirt seals" are given in the table on page 33.



fig 1.



fig 2.



fig 3.



fig 4.



fig 5.



fig 6.



fig 7.



fig 8.



fig 9.



fig 10.



fig 11.



fig 12.



fig 13.



fig 14.

ORDERING

To determine the correct seal kit proceed as follows:-

1) If you know the part number of your caliper then determine the correct part number of the kit required by referring to the individual caliper listings.

2) If you do not know the part number of your caliper then proceed as follows:-

a) measure the nominal piston diameters.

b) determine the type by comparison with the drawings on pages 31/32.

c) Look at the column (caliper bore in mm) identify your sizes. The relevant kit number can be found on the right.

d) When ordering please quote the seal kit part no, given on the right hand side from the relevant table, then contact your nearest AP Racing stockist for availability.

3) Each kit contains seals to repair one caliper:-

a) One letter after Kit Nos = 2 seals, e.g. -J

b) Two letters after Kit Nos = 4 seals, e.g. -JJ

c) Three letters after Kit Nos = 6 seals, e.g. -CEJ

d) Four letters after kit Nos = 8 seals, e.g. -AEAE

NB. Kits are priced more competitively compared to purchasing individual seals.

NB. With CP4519, CP4525 and CP4527 seal kits, the appropriate number of dirt seals and or boot seals are also included.

NB. Kits contain one caliper set of seals e.g. 2, 4, 6, or 8.

BRAKE CALIPERS - Replacement Caliper Seals

Caliper Bore identification Letters and Size Reference mm (inch)												
A = 25.4 (1.00")	B = 26.0	C = 27.0 (1.06")	D = 28.6 (1.125")	E = 31.8 (1.25")	F = 34.0	G = 34.9 (1.375")	H = 36.0	J = 38.1 (1.50")	K = 41.3 (1.625")	L = 44.5 (1.75")	M = 47.6 (1.875")	N = 50.8 (2.00")
CP4518 & CP8518 - 'Seal in bore' Replacement seals and kit part numbers for Race Calipers												
Caliper Bore	CP4518 - 'Standard' high temperature seals. Individual Part No.	Seal Kits	CP8518 - 'Very' high temperature seals. Individual Part No.	Seal Kits	Caliper							
25.4	CP4900-172	CP4518-A			2 Piston							
31.8	CP4900-168	CP4518-E										
36.0	CP4900-165	CP4518-H										
38.1	CP4900-164	CP4518-J										
41.3	CP4900-163	CP4518-K										
44.5	CP4900-162	CP4518-L	CP4900-282	CP8518-L	4 Piston							
50.8	CP4900-160	CP4518-N										
25.4	CP4900-172	CP4518-AA										
25.4 / 28.6	CP4900-172 / CP4900-169	CP4518-AD										
25.4 / 31.8	CP4900-172 / CP4900-168	CP4518-AE										
27.0 / 28.6	CP4900-170 / CP4900-169	CP4518-CD										
27.0 / 31.8	CP4900-170 / CP4900-168	CP4518-CE	CP4900-290 / CP4900-288	CP8518-CE								
27.0 / 34.0	CP4900-170 / CP4900-167	CP4518-CF										
27.0 / 34.9	CP4900-170 / CP4900-166	CP4518-CG										
28.6	CP4900-169	CP4518-DD										
28.6 / 31.8	CP4900-169 / CP4900-168	CP4518-DE										
28.6 / 34.9	CP4900-169 / CP4900-166	CP4518-DG	CP4900-289 / CP4900-286	CP8518-DG								
28.6 / 36.0	CP4900-169 / CP4900-165	CP4518-DH										
31.8	CP4900-168	CP4518-EE										
31.8 / 34.9	CP4900-168 / CP4900-166	CP4518-EG										
31.8 / 36.0	CP4900-168 / CP4900-165	CP4518-EH		CP8518-EH								
34.0 / 41.3		CP4518-FK										
34.9	CP4900-166	CP4518-GG										
34.9 / 41.3	CP4900-166 / CP4900-163	CP4518-GK	CP4900-286 / CP4900-283	CP8518-GK								
36.0	CP4900-165	CP4518-HH										
36.0 / 38.1	CP4900-165 / CP4900-164	CP4518-HJ										
36.0 / 41.3		CP4518-HL	CP4900-285 / CP4900-283	CP8518-HK CP8518-HL								
36.0 / 44.5	CP4900-165 / CP4900-162	CP4518-HL	CP4900-285 / CP4900-282									
38.1	CP4900-164	CP4518-JJ										
38.1 / 41.3	CP4900-164 / CP4900-163	CP4518-JK	CP4900-284 / CP4900-283	CP8518-JK								
38.1 / 44.5	CP4900-164 / CP4900-162	CP4518-JL										
41.3	CP4900-163	CP4518-KK										
41.3 / 44.5	CP4900-163 / CP4900-162	CP4518-KL										
44.5	CP4900-162	CP4518-LL										
44.5 / 47.6	CP4900-162 / CP4900-161	CP4518-LM										
25.4	CP4900-172	CP4518-AAA										
25.4 / 27.0 / 28.6	CP4900-172 / CP4900-170 / CP4900-169	CP4518-ACD	CP4900-292 / CP4900-290 / CP4900-289	CP8518-ACD								
25.4 / 27.0 / 31.8	CP4900-172 / CP4900-170 / CP4900-168	CP4518-ACE										
25.4 / 28.6	CP4900-172 / CP4900-169	CP4518-ADD										
26.0 / 27.0 / 31.8	CP4900-171 / CP4900-170 / CP4900-168	CP4518-BCE	CP4900-291 / CP4900-290 / CP4900-288	CP8518-BCE								
26.0 / 31.8 / 34.9		CP4518-BEG										
26.0 / 31.8 / 36.0	CP4900-171 / CP4900-168 / CP4900-165	CP4518-BEH	CP4900-291 / CP4900-288 / CP4900-285	CP8518-BEH CP8518-CDE								
27.0 / 28.6 / 31.8		CP4518-BEJ	CP4900-290 / CP4900-288 / CP4900-284	CP8518-CEJ								
27.0 / 31.8 / 38.1	CP4900-170 / CP4900-168 / CP4900-164	CP4518-CEJ										
28.6 / 31.8 / 41.3	CP4900-169 / CP4900-168 / CP4900-163	CP4518-DEK										
31.8	CP4900-168	CP4518-EEE										
31.8 / 34.0 / 41.3	CP4900-168 / CP4900-167 / CP4900-163	CP4518-EFK	CP4900-288 / CP4900-287 / CP4900-283	CP8518-EFK								
31.8 / 34.9 / 44.5	CP4900-168 / CP4900-166 / CP4900-162	CP4518-EGL										
25.4	CP4900-172 / CP4900-168	CP4518-AEAE										
CP4519 - 'Seal in bore' replacement seals and dirt seal Part No.												
41.3	CP4900-163 (CP3477-114) / 113094 Retainer	CP4508-K			2 Piston							
44.5	CP4900-162 (119990) / 3662-298 Retainer	CP4508-L										
31.8	CP4949-110 (CP3477-105)	CP4519-E										
36.0	CP4949-113 (3853-742)	CP4519-H										
38.1	CP4949-114 (CP3477-116)	CP4519-J										
41.3	CP4949-115 (CP3477-114)	CP4519-K										
44.5	CP4949-116 (119990)	CP4519-L										
27.0	CP4949-108 (CP4098-106)	CP4519-CC										
27.0 / 31.8	CP4949-108 (CP4098-106) / CP4949-110 (CP3477-105)	CP4519-CE										
28.6 / 36.0	CP2414-118 (4477-108) / CP4949-113 (CP4477-108)	CP4519-DH										
28.6 / 34.9			CP3724-138 CP3724-135	CP4509-DG								
31.8	CP4949-110 (CP3477-105)	CP4519-EE	CP3724-137	CP4509-EE								
31.8 / 36.0			CP3724-137 / CP3724-134	CP4509-EH								
31.8 / 38.1			CP3724-137 / CP3724-133	CP4509-EJ								
34.9 / 41.3			CP3724-135 / CP3724-132	CP4509-GK								
36.0 / 38.1	CP4949-113 (3853-742) / CP4949-114 (3865-742)	CP4519-HJ										
38.1	CP4949-114 (CP3477-116)	CP4519-JJ	CP3724-133	CP4509-JJ								
38.1 / 41.3	CP4949-114 (CP3477-116) / CP4949-115 (CP3477-114)	CP4519-JK	CP3724-133 / CP3724-132	CP4509-JK								
38.1 / 44.5			CP3724-133 / CP3724-131	CP4509-JL								
41.3 / 44.5	CP4949-115 (CP3477-114) / CP4949-116 (119990)	CP4519-KL	CP3724-132 / CP3724-131	CP4509-KL								
25.4 / 28.6	CP4900-172 (CP4477-109) / CP4900-169 (CP4477-108)	CP4519-ADD										
27.0 / 31.8 / 38.1	CP4949-108 (CP4098-106) / CP4949-110 (CP3477-105) / CP4949-114 (CP3477-116)	CP4519-CEJ	CP3724-139 / CP3724-137 / CP3724-133	CP4509-CEJ								
28.6 / 31.8 / 41.3			CP3724-138 / CP3724-137 / CP3724-132	CP4509-DEK								
CP4525 - 'Seal in bore' - 'Boot type seal' - Replacement seal and kit Part No.												
CP4525 - Individual Seal & Boot Part No.	Seal Kit	CP4527 - 'Seal in bore' - 'Boot type seal' - Replacement seal and kit Part No.	Seal Kit									
38.1	CP4949-114 (CP6200-114)	CP4525-J										
41.3	CP4949-115 (CP6200-115)	CP4525-K										
27.0	CP4949-108 (CP7040-106)	CP4525-CC	CP4949-108 (CP8420-110)									
28.6	CP5107-109 (CP7040-106)	CP4525-DD										
28.6 / 31.8			CP4949-109 (CP6691-101) / CP4949-110 (CP6016-107)									
31.8	CP4949-110 (CP6200-112)	CP4525-EE	CP4949-110 (CP6016-107)									
31.8 / 36.0	CP4949-116 (CP6200-112) / CP4949-113 (CP6200-114)	CP4525-EH										
38.1	CP4949-114 (CP6200-114)	CP4525-JJ	CP4949-113 (CP6696-109)									
38.1 / 41.3	CP4949-114 (CP6200-114) / CP4949-115 (CP6200-115)	CP4525-JK	CP4949-114 (CP7516-108)									
27.0 / 31.8 / 38.1	CP4949-108 (CP7040-106) / CP4949-110 (CP6200-112) / CP4949-114 (CP6200-114)	CP4525-CEJ	CP4949-114 (CP7516-108) / CP4949-115 (CP7516-109)									
31.8 / 31.8 / 41.3			CP4949-108 (CP8420-110) / CP4949-110 (CP6016-107) / CP4949-114 (CP7516-108)									
31.8 / 36.0 / 38.1	CP4949-110 (CP6200-112) / CP4949-113 / CP4949-114 (CP6200-114 x 4)	CP4525-EHJ	CP4949-110 (CP6016-107) / CP4949-115 (CP7516-109)									
36.0 / 38.1 / 41.3	CP4949-113 / CP4949-114 (CP6200-114 x 4) / CP4949-115 (CP6200-115)	CP4525-HJK										
31.8 / 36.0 / 41.3			CP4949-110 (CP6016-107) / CP4949-113 (CP6696-109) / CP4949-115 (CP7516-109)									
41.3 / 41.3 / 44.5			CP4949-115 (CP7516-109) / CP4949-116 (CP8510-109)									