

BRAKE CALIPERS



- GENERAL INFORMATION.
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 - GT.
 - RALLY.
 - TOURING CAR.
 - 2 PISTON.
 - HISTORIC RACE.
 - ROADCAR.
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- REPLACING CALIPER SEALS.
- SPARE PARTS.

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 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) and 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 80 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.



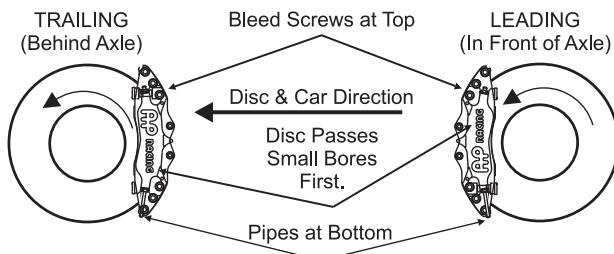
CALIPER, SEALS & TEMPERATURE.

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.
CP 6160-2S7MPD

No.	Explanation	Description
1.	Caliper Family No.	Base Caliper No.
2.	Stroke No. 1	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. A complete reconditioning service is available.
- Seal repair kits and other spare parts e.g. pistons, bleed screws etc, are also available and can be identified by referring to the individual caliper information or the tables on pages 34 to 39.
- Other spare parts e.g. pistons, bleed screws, pad retainers are also available by referring to individual caliper details
- Replacement seals should be soaked in brake fluid for 30 minutes prior to fitment.
- 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 91.

BRAKE CALIPERS - PRO 5000 R

PRO 5000 R

New Product available early 2015



INTRODUCTION.

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

Pro 5000 R has been 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 entry level motorsport range offers the same costing benefits but will not directly replace Pro 5000+. It should be noted that there are dimensional differences between + and R ranges and all installations require checking before specifying.

- The range consists of Four caliper variants and 7 different discs, which cover 6 & 4 piston calipers and ventilated discs from Ø390mm to Ø330mm and 36mm down to 28mm thickness.
- The three 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 curved grooved face configuration only.
- 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.

PRODUCT COMBINATIONS.

The information below offers brief details / dimensions on the range of calipers, discs, and brake pad families.

Caliper Part Numbers.	Caliper Dim'n (mm)			Pad Part No.	Disc Options (mm)		
	Mtg Centers	Offset	PL		Ø	Thick	Example Part No.
4 Piston Calipers							
CP9440-2/3S4L & CP9441-2/3S4L	152.0	44.0	57.8	CP3215D50	330	28	CP5000-210/-211CG8
					330	28	CP3580-2898/-2899CG8
					315	28	CP5000-220/-221CG8
6 Piston Calipers							
CP9660-2/3S4L	180.0	42.0	63.5	CP3905D54	378	36	CP5772-1032/-1033CG8
					356	32	CP5000-218/-219CG8
CP9665-2/3S7L	210.0	42.0	63.5	CP6230D54	390	36	CP4284-135/-135CG8
					378	32	CP5772-1030/-1031CG8



CP9440 4 Piston, Radi-CAL™



TYPICAL APPLICATION

- Budget 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 / Ø315mm x 28mm 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.

CALIPER HANDLING

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

TECHNICAL SPECIFICATION

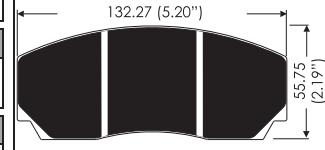
Piston Sizes	Ø36.0mm x 2
	Ø41.3mm x 2
Piston Area	47.12cm ²
Weight - No Pads	2.16Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	44.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	57.8mm

SPARE PARTS

Ø36 Piston	CP9440-107
Ø41.3 Piston	CP9440-106
Seal Repair Kit	CP8518-HK
Tub Pad Retainer	CP9440-110
RH - Wear Plate	CP9440-108
LH - Wear Plate	CP9440-109
Bleed Screw Kit	CP3880-1

PAD INFORMATION

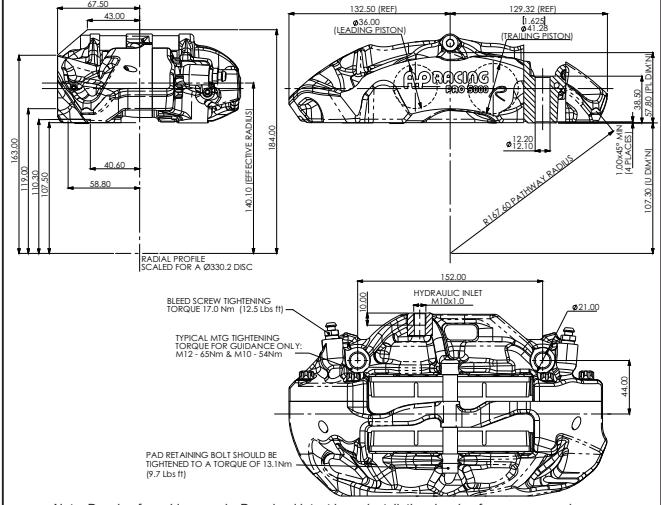
Pad Family	CP3215D50
Pad Area	57.4cm ²
Pad Volume	70.44cm ³
Pad Thickness	16.8mm



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

INSTALLATION DRAWING



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

BRAKE CALIPERS - PRO 5000 R

CP9660

6 Piston, Radi-CAL™ - 180mm ctrs



TYPICAL APPLICATION

- Budget 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.

CALIPER HANDING

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

TECHNICAL SPECIFICATION

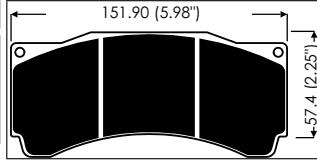
Piston Sizes	Ø27.0mm x 2 Ø31.8mm x 2 Ø38.1mm x 2
Piston Area	50.1cm²
Weight No Pads	2.78Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

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. -	CP3796-121ST
RH - Wear Plate	CP9660-110
LH - Wear Plate	CP9660-111
Bleed Screw Kit	CP3880-1

PAD INFORMATION

Pad Family	CP3905D54
Pad Area	77.4cm²
Pad Volume	100.1cm³
Pad Thickness	18.0mm



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	50.1cm²
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

- Budget 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.

CALIPER HANDING

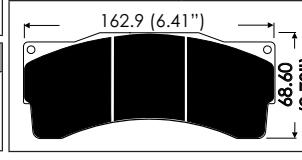
For handing information check
Installation drawing at:
www.apracing.com

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 -	CP9665-119 x 2
Ret/Bolt P/No. -	CP3715-117ST
RH - Wear Plate	CP9665-112
LH - Wear Plate	CP9660-113
Bleed Screw Kit	CP3880-1

PAD INFORMATION

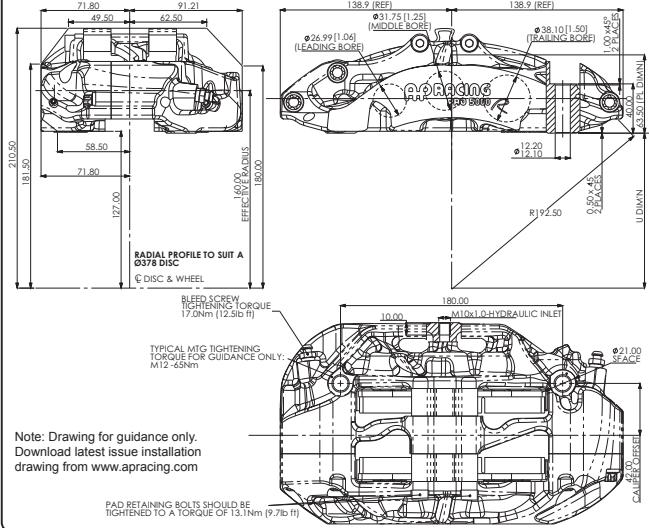
Pad Family	CP6230D54
Pad Area	81.6cm²
Pad Volume	164.3cm³
Pad Thickness	25.0mm



VENTILATED BRAKE DISC INFORMATION

- Part Number.	CP5772-1032/-1033CG8	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

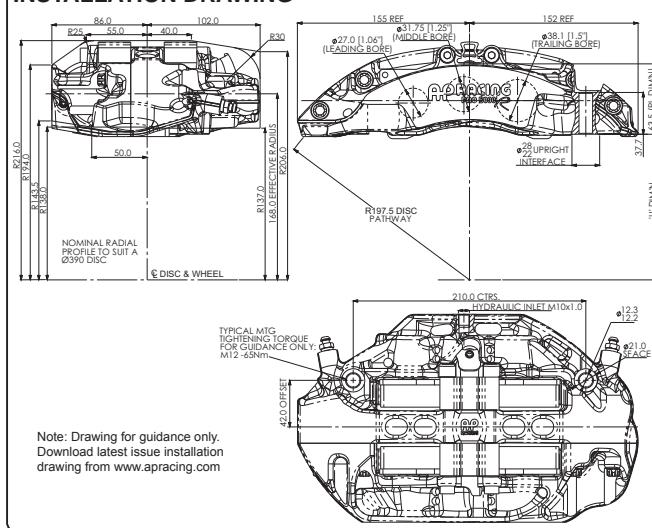
INSTALLATION DRAWING



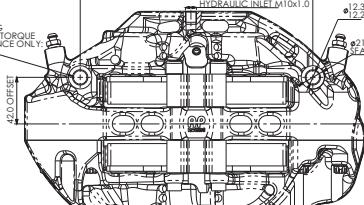
Note: Drawing for guidance only.
Download latest issue installation
drawing from www.apracing.com

PAD RETAINING BOLTS SHOULD BE
TIGHTENED TO A TORQUE OF 13.1Nm (9.7lb ft)

INSTALLATION DRAWING



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



BRAKE CALIPERS - Formula Cars

CP4567 4 Piston, Cast Two Piece



TYPICAL APPLICATION

- Front & Rear for 13" wheels.

FEATURES

- Radial mount, 152mm Mtg ctrs.
- Choice of three disc options.
- Suits Ø280mm x 25.4 or 20.0mm discs.
- Aluminium alloy body.
- Aluminium pistons.
- Single bolt pad retainer.

PART NUMBERS

- To suit disc Ø280 x 25.4mm
 - RHT, CP4567-2S4
 - LHT, CP4567-3S4
 - RHL, CP4567-4S4
 - LHL, CP4567-5S4

- To suit disc Ø280 x 20mm
 - RHT, CP4567-8S4
 - LHT, CP4567-9S4
 - RHL, CP4567-10S4
 - LHL, CP4567-11S4

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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

TECHNICAL SPECIFICATION

Piston Sizes	Ø34.9mm
	Ø41.3mm
Piston Area	45.92cm ²
Disc Diameter	Ø280.0mm
Disc Thickness	25.4mm
-2 / -3 / -4 / -5	25.4mm
-8 / -9 / -10 / -11	20.0mm
Weight No Pads	1.6Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	
-2 / -3 / -4 / -5	30.0mm
-8 / -9 / -10 / -11	27.3mm
Mtg hole Ø	10.2mm
'PL' Dimension	50.5mm

SPARE PARTS

Pistons	
Ø34.9mm	CP3567-114
Ø41.3mm	CP4270-3
Seal Repair Kit	CP4518-GK
Pad Retainer	Bolt
Retainer P/No.	
Ret / Bolt P/No.	See page 35. for details
Wear Plates	
AKB Spring Kit	CP6518-4LBL
Bleed Screw	CP3720-173
Fluid Pipe	
-2 / -3 / -4 / -5	CP4567-6
-8 / -9 / -10 / -11	CP4567-7

CP5219 4 Piston, Billet Two Piece



TYPICAL APPLICATION

- Front & Rear for 13" wheels.

FEATURES

- Radial mount, 152 x 42.78mm Mtg ctrs.
- Suits Ø280.0 x 25.4mm ventilated Iron disc.
- High grade Aluminium alloy body.
- CNC machined from billet.
- Lightweight.
- Superior dynamic performance than that of CP4219
- Aluminium pistons.
- Stainless Steel wear plates.

PART NUMBERS

- RHT, CP5219-16S0.
- LHT, CP5219-17S0.
- RHL, CP5219-18S0.
- LHL, CP5219-19S0.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

TECHNICAL SPECIFICATION

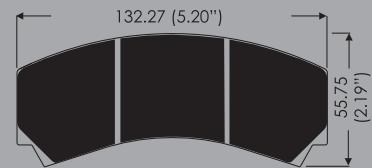
Piston Sizes	Ø34.9mm
	Ø41.3mm
Piston Area	45.92cm ²
Disc Diameter	Ø280.0mm
Disc Thickness	25.4mm
Weight No Pads	1.98Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	42.78mm
Mtg hole Ø	10.27mm
'PL' Dimension	56.81mm

SPARE PARTS

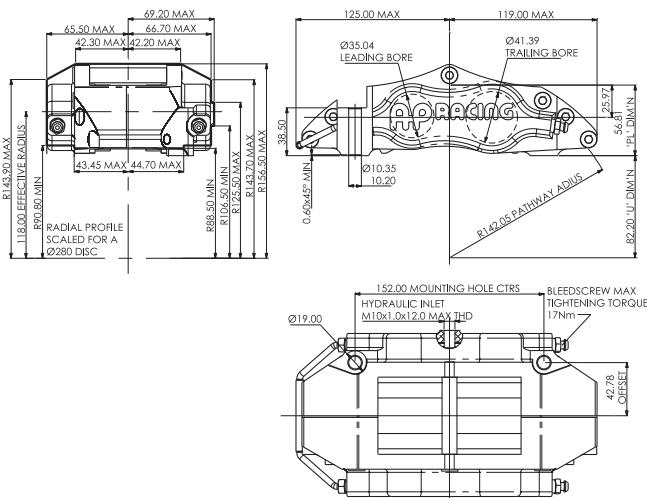
Pistons	
Ø34.9mm	CP2876-101
Ø41.3mm	CP2270-92
Seal Repair Kit	CP4518-GK
Pad Retainer	Bolt
Retainer P/No.	CP4219-122
Ret / Bolt P/No.	CP5100-126
Wear Plates	CP4219-107
Bleed Screw	CP3880-1
Fluid Pipe	CP5219-6

PAD INFORMATION

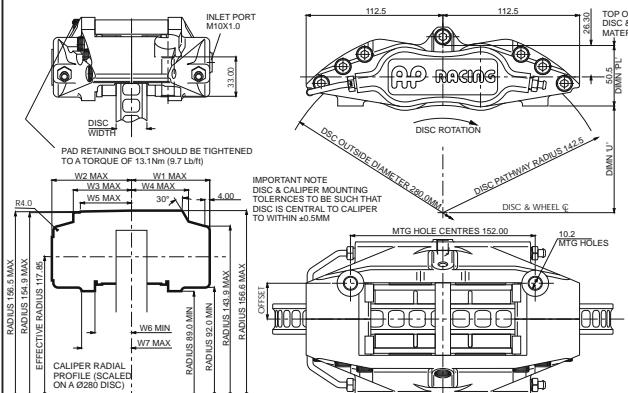
- Pad Family = CP3215D42
- Pad Area = 51.17cm²
- Pad Depth = 42.0mm
- Pad Thickness = 16.75mm



INSTALLATION DRAWING



INSTALLATION DRAWING



Disc	W1	W2	W3	W4	W5	W6	W7
280 x 20.0	62.3	63.5	45.3	44.8	39.3	26.8	38.8
280 x 25.4	65.0	66.2	48.0	47.5	42.0	29.5	41.5

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

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BRAKE CALIPERS - Formula Cars

CP5567

4 Piston, Forged Radi-CAL™



TYPICAL APPLICATION

- Front & Rear for 13" wheels.

FEATURES

- Radial mount, 152.0 x 30.0mm 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.

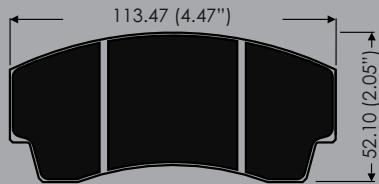
- Left Hand, CP5567-3S4L.

CALIPER HANDING

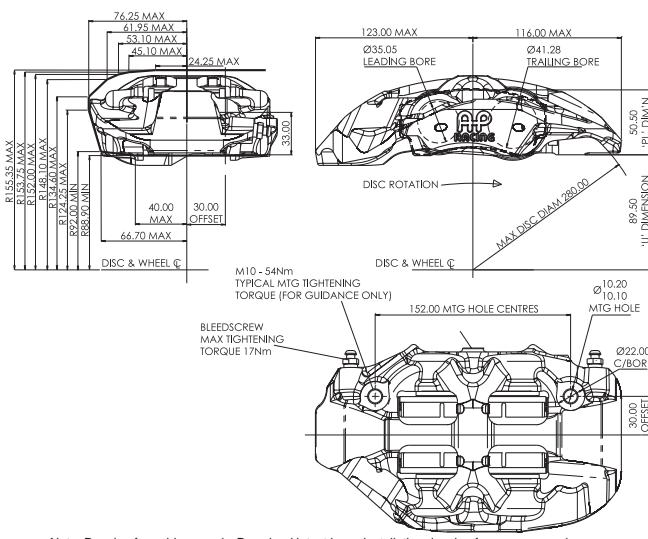
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

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

CP6382

6 Piston, Billet Radi-CAL™



TYPICAL APPLICATION

- Formula Nippon.

FEATURES

- Radial mount, 202 x 30mm ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Billet Aluminium alloy body.
- Nickel plated surface finish as standard.
- Optional anodised finish available.
- Designed to operate on Ø280 x 28 or 31mm Iron disc.
- Also suitable for Carbon disc.
- Internally ported.
- Stainless Steel pistons.
- Can accept piston caps.
- Stainless Steel wear plates fitted.

PART NUMBERS

For Nickel Plated Calipers.

- RHT, CP6382-2S7LP.
- LHT, CP6382-3S7LP.

For Anodised Calipers.

- RHT, CP6382-6S7LP.
- LHT, CP6382-7S7LP.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Shape = PFC7940
- Pad Depth = 40.5mm
- Pad Thickness = 20.0mm

TECHNICAL SPECIFICATION

Piston Sizes	Ø26.92mm
Piston Area	Ø31.75mm
Disc Diameter	Ø36.00mm
Disc Thickness	46.8cm ²
Max	31.0mm
Min	28.0mm
Weight No Pads	1.89Kg
Hydraulic Thread	3/8" x 24UNF
Mounting Type	Radial
Mtg centres	202.0mm
Mtg offset	30.0mm
Nom Mtg hole Ø	9.78mm
'PL' Dimension	63.7mm

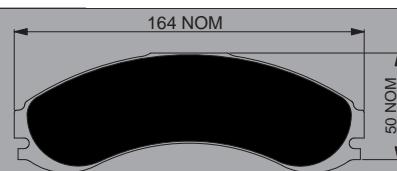
SPARE PARTS

Pistons	CP6382-201
Ø26.92mm	CP6382-202
Ø31.75mm	CP6382-203
Ø36.00mm	CP6382-204
Seal Repair Kit	CP8518-BEH
Wear Plates x 4	CP6382-207
Ctr Beam Wear Plate	CP6382-205
AKB Spring Kit	CP6518-7LB SSL
Bleed Screw Kit	CP6382-9

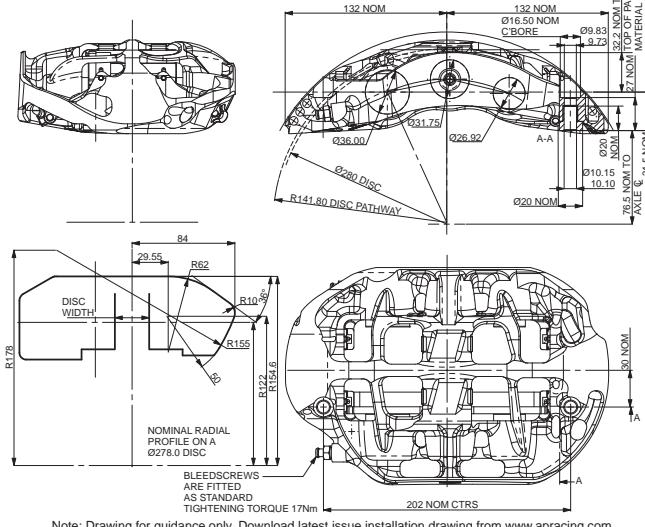
AVAILABLE OPTIONS

- Dry Bleed CP6300-30

164 NOM



INSTALLATION DRAWING



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

BRAKE CALIPERS - Formula Cars

CP7030 - 4 Piston, Two Piece Billet



TYPICAL APPLICATION

- F3 Front & Rear.

FEATURES

- Radial mount, 120 x 40mm ctrs.
- Suits Ø278 x 17.0 / 16.0mm disc.
- Aluminium alloy body,
- CNC machined from billet.
- Lightweight.
- Aluminium pistons.
- Complete system (calipers, discs and bells) available.
- Stainless Steel wear plates.

PART NUMBERS

- RHT, CP7030-2S0.
- LHT, CP7030-3S0.
- RHL, CP7030-4S0.
- LHL, CP7030-5S0.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP3345D38
- Pad Area = 38.7cm²
- Pad Depth = 38.0mm
- Pad Thickness = 16.0mm

TECHNICAL SPECIFICATION

Piston Sizes	Ø34.9mm
	Ø41.3mm
Piston Area	45.92cm ²
Disc Diameter	Ø278.0mm
Disc Thickness	
Max	17.0mm
Min	16.0mm
Weight No Pads	1.5Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	120.0mm
Mtg offset	40.0mm
Mtg hole Ø	10.2mm
'PL' Dimension	50.3mm

SPARE PARTS

Pistons	
Ø34.9mm	CP7030-108
Ø41.3mm	CP7030-107
Seal Repair Kit	CP4518-GK
Wear Plates	CP7030-106
Bleed Screw	CP3720-173
Fluid Pipe	CP7030-6

CP7031 4 Piston, Billet Radi-CAL™



TYPICAL APPLICATION

- Formula 3 Front & Rear.

FEATURES

- Radial mount, 120 x 40mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Reduced weight.
- Monobloc Aluminium alloy body.
- Suits Ø278 x 18mm disc.
- Stainless Steel pistons.
- Stainless Steel wear plates.
- Complete system (calipers, discs and pads) available, overall corner weight 4.37kg.

PART NUMBERS

- RH, CP7031-4S0LP.
- LH, CP7031-5S0LP.

TECHNICAL SPECIFICATION

Piston Sizes	Ø25.4mm
	Ø31.8mm
Piston Area	25.97cm ²
Disc Diameter	Ø278.0mm
Disc Thickness	
Max	18.0mm
Min	16.0mm
Weight No Pads	1.2Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	120.0mm
Mtg offset	40.0mm
Mtg hole Ø	10.15mm
'PL' Dimension	50.30mm

SPARE PARTS

Pistons	
Ø26.0mm	CP7031-113
Ø31.8mm	CP7031-108
Seal Repair Kit	CP4518-AE
Wear Plates	
Pad x 4	CP3307-222
Ctr Beam x 1	CP7031-106
Bleed Screw Kit	CP3880-1

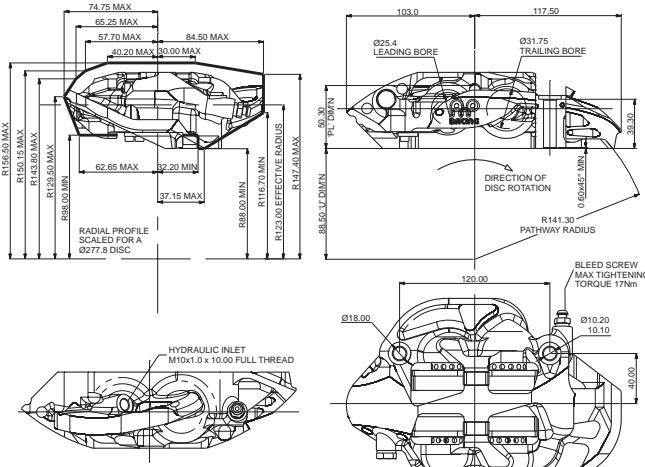
PAD INFORMATION

- Pad Family = CP7031D32
- Pad Area = 30.35cm²
- Pad Depth = 32.0mm
- Pad Thickness = 15.75mm

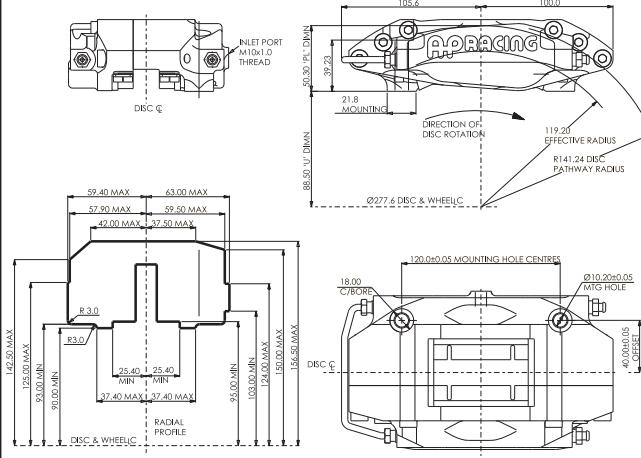
98.80 (3.88")



INSTALLATION DRAWING



INSTALLATION DRAWING



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

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



BRAKE CALIPERS - Formula Cars

CP7606 & CP7613 - 4 Piston



TYPICAL APPLICATION

- Budget Formula Cars.

FEATURES

- Radial mount, 130.0mm ctrs
- Suits Ø295 / 267mm x 20.7 / 18mm thick disc.
- Cast Aluminium alloy body.
- Aluminium alloy pistons.
- Pin pad retainer.
- Stainless Steel wear plates.

PART NUMBERS

With Ø38.1mm bores.

- RHT, CP7606-12S0
- LHT, CP7606-13S0
- RHL, CP7606-14S0
- LHL, CP7606-15S0

With Ø31.8mm bores.

- To Suit 18.0mm disc
- RHL CP7613-4S0 /
- LHL CP7613-5S0
- To Suit 20.7mm disc
- RHT, CP7613-6S0
- LHT, CP7613-7S0
- RHL, CP7613-8S0
- LHL, CP7613-9S0

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

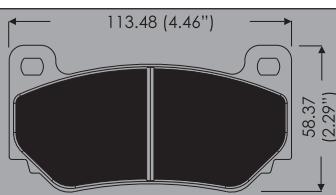
- Pad Family = CP7600D46
- Pad Area = 43.5cm²
- Pad Depth = 46.2mm
- Pad Thickness = 16.0mm

TECHNICAL SPECIFICATION

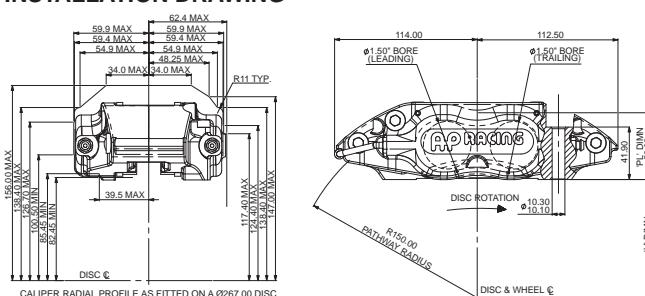
Piston Sizes	
CP7606	Ø38.1mm x 4
CP7613	Ø31.8mm x 4
Piston Area	
CP7606	45.6cm ²
CP7613	31.6cm ²
Disc Diameter	
Max	Ø295.0mm
Min	Ø267.0mm
Disc Thickness	
CP7606 &	18.0mm
CP7613-4 & -5	
CP7613-6/7/8/9	20.7mm
Weight No Pads	1.7Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mtg offset	
CP7606 &	37.25mm
CP7613-4 & -5	
CP7613-6/7/8/9	38.70mm
Mtg hole Ø	10.2mm
'PL' Dimension	53.0mm

SPARE PARTS

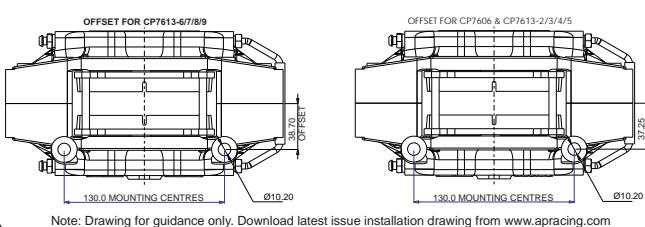
Pistons	
CP7606	CP7605-109
CP7613	CP7613-106
Seal Repair Kit	
CP7606	CP4518-JJ
CP7613	CP4518-EE
Pad Retainer	
CP7606 &	Pin
CP7613-4 & -5	
CP7613-6/7/8/9	CP7613-112
Wear Plates	CP7605-116
Bleed Screw Kit	CP3880-1
Fluid Pipe	
CP7606 &	
CP7613-4 & -5	CP7606-10
CP7613-6/7/8/9	CP7613-10



INSTALLATION DRAWING



NOTE: CP7606 IS LIMITED TO 70 BAR MAXIMUM PRESSURE



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

CUSTOMER NOTES



BRAKE CALIPERS - GT / Endurance

CP5095

6 Piston, Forged Radi-CAL™ Front

TYPICAL APPLICATION

- All GT.

FEATURES

- Radial mount, 210 x 42mm ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Forged monobloc Aluminium alloy body
- Designed to operate on:
 - Ø378 x 36mm Iron disc or
 - Ø378 x 35mm Carbon disc.
- Internally ported.
- Stainless Steel pistons.
- 'Z' Piece pad retainer.
- 7lb Anti-knockback springs fitted.



TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm Ø31.8mm Ø38.1mm
Piston Area	50.1cm²
Disc Diameter	Ø378.0mm
Disc Thickness	
Iron	36.0mm
Carbon	35.0mm
Weight No Pads	2.7Kg
Hydraulic Thread	M10 x 1.0
Mounting Type	Radial
Mtg centres	210mm
Mtg offset	42.0mm
Mtg hole Ø	12.2mm
'PL' Dimension	63.5mm

PART NUMBERS

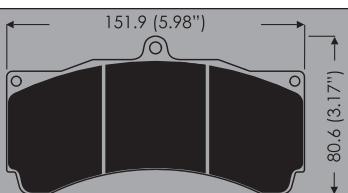
- To suit Iron Disc.
 - RHT, CP5095-2S7L.
 - LHT, CP5095-3S7L.
 - RHL, CP5095-4S7L.
 - LHL, CP5095-5S7L.
- To suit Carbon Disc.
 - RHT, CP5095-2S7LCA.
 - LHT, CP5095-3S7LCA.
 - RHL, CP5095-4S7LCA.
 - LHL, CP5095-5S7LCA.

CALIPER HANDING

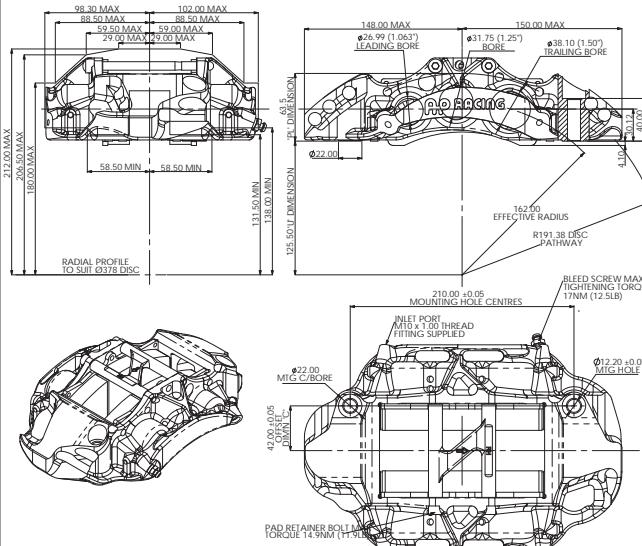
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP3558D54
- Pad Area = 77.4cm²
- Pad Depth = 54.0mm
- Pad Thickness = 25.0mm



INSTALLATION DRAWING



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

CP6078 & CP6077

6 Piston, Billet Radi-CAL™



TECHNICAL SPECIFICATION

Piston Sizes	
CP6078	Ø27.0mm Ø31.8mm Ø38.1mm
CP6077	Ø26.0mm Ø27.0mm Ø31.8mm
Piston Area	
CP6078	50.1cm²
CP6077	37.9cm²
Disc Diameter	
CP6078	Ø355.0mm
CP6077	Ø355.0mm
Disc Thickness	
CP6078	Iron - 36.0mm Car - 35.0mm
CP6077	Iron - 36.0mm Car - 35.0mm
Weight No Pads	
CP6078	2.25Kg
CP6077	2.25Kg
Hydraulic Thread	
CP6078	M10x1.0
CP6077	M10x1.0
Mounting Type	
CP6078	Radial
CP6077	Radial
Mtg centres	
CP6078	210.0mm
CP6077	210.0mm
Mtg offset	
CP6078	42.0mm
CP6077	42.0mm
Mtg hole Ø	
CP6078	12.15mm
CP6077	12.15mm
'PL' Dimension	
CP6078	63.5mm
CP6077	63.5mm

TYPICAL APPLICATION

- GT Cars Front & Rear.

FEATURES

- CP6077 Small bore version.
- Radial mount, 210 x 42mm ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Ducted air cooling features, - reduces caliper temperatures.
- Monobloc Alumin/alloy body.
- Designed to operate on Carbon or Iron Discs.
- Internally ported.
- Titanium pistons.
- Carbon duct fitted.
- Dry Bleeds fitted.

PART NUMBERS

- RH, CP6078-2S7MPD.
- LH, CP6078-3S7MPD.
- RH, CP6077-4S7MPD.
- LH, CP6077-5S7MPD.

CALIPER HANDING

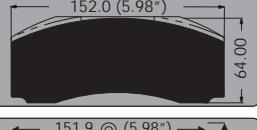
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

AVAILABLE OPTIONS

- Thermo Sensor
- RH = CP6282-2 / LH = CP6282-3

CP4240 CARBON PAD

- Area = 78.12cm²
- Depth = 53.0mm
- Thickness = 25.0mm

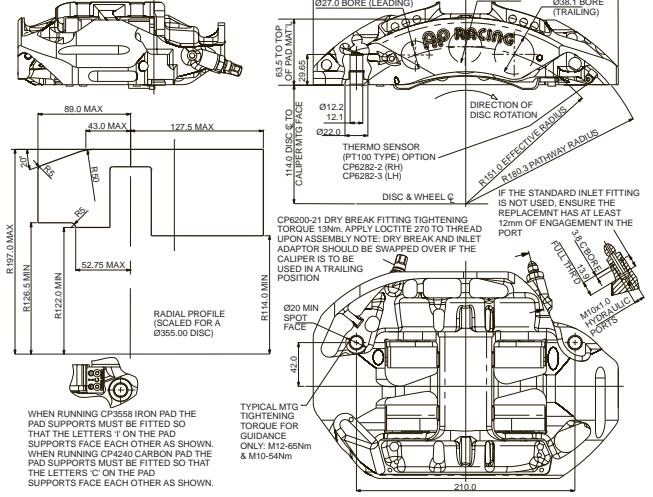


CP3558D54 IRON PAD

- Area = 80.17cm²
- Depth = 54.0mm
- Thickness = 25.0mm



INSTALLATION DRAWING



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

BRAKE CALIPERS - GT / Endurance

CP6083

6 Piston, Billet Radi-CAL™
Swing Bridge, Quick Pad Release.



TYPICAL APPLICATION

- All GT / Endurance Classes.

FEATURES

- Radial mount, 210 x 42mm Ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Extra central bridge increases stiffness
- Swing bridge, quick release pad retainer mechanism.
- Monobloc Aluminium alloy body.
- Designed to operate Ø390 x 36mm Iron Discs.
- Designed to suit upto 32mm thick pad.
- 100mm total stack thickness allowed.
- Internally ported.
- Domed Titanium pistons fitted.
- Stainless steel pistons option available.
- Dry Bleeds fitted.

PART NUMBERS

- RH, CP6083-2S7M.
- LH, CP6083-3S7M.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

CP6210D54 IRON PAD

- Area = 83.0cm²
- Depth = 54.0mm
- Standard Thickness = 30.0mm
- Special Thickness = 32.0mm

TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm Ø31.8mm Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	390.0mm
Disc Thickness	36.0mm
Weight No Pads	2.42Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

SPARE PARTS

Ø27.0 - Piston	CP6083-108
Ø31.8 - Piston	CP6083-107
Ø38.1 - Piston	CP6083-106
Wear Plates. x 4	CP5856-120
Beam W/Plate	CP6066-104
Pad Supports	CP6165-109
Seal Repair Kit	CP4518-CEJ
AKB Spring Kit	CP6518-7LB SSL
Dry-Bleed Fitting	CP6300-21
Quick Release Stud kit	CP6083-6
Quick Release Pad Retainer kit	CP6083-7

AVAILABLE OPTIONS

- Thermo Sensor
- RH = CP6282-2
- LH = CP6282-3

CP6160 & CP6161

6 Piston, Billet Radi-CAL™



TECHNICAL SPECIFICATION

Piston Sizes (mm)	
CP6160	Ø27.0mm Ø31.8mm Ø38.1mm
CP6161	Ø26.0mm Ø27.0mm Ø31.8mm
Piston Area	50.1cm ²
CP6160	37.9cm ²
Disc Diameter	Ø390.0mm
Disc Thickness	36.0mm
Iron	36.0mm
Carbon	37.0mm
Weight No Pads	2.5Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.51mm

TYPICAL APPLICATION

- All GT / Endurance Classes.

FEATURES

- Radial mount, 210 x 42mm ctrs.
- CP6161 Small bore version.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Ducted air cooling features, - reduces caliper temperatures.
- Monobloc Alumin alloy body.
- Designed to operate on Carbon or Iron Discs.
- Internally ported.
- Titanium pistons.
- Carbon duct fitted.
- Dry Bleeds fitted.

PART NUMBERS

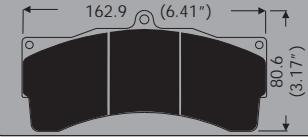
- RH, CP6160-2S7MPD.
- LH, CP6160-3S7MPD.
- RH, CP6161-2S7MPD.
- LH, CP6161-3S7MPD.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

CP6210D54 IRON PAD

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



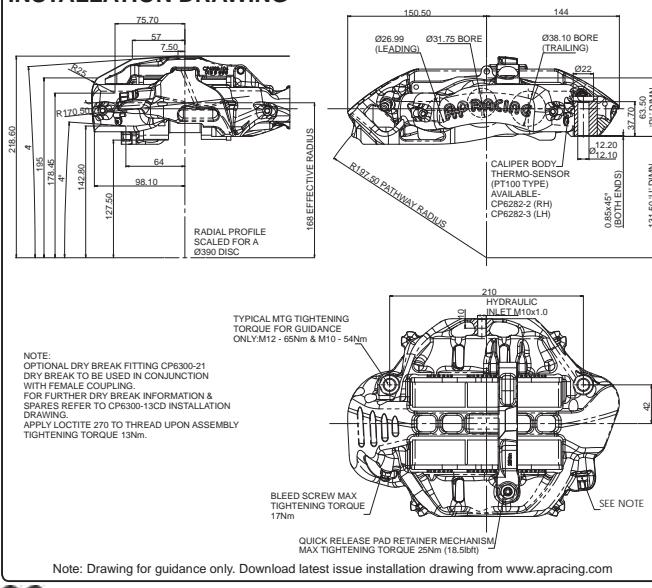
CP4970 CARBON PAD

- Area = 83.0cm²
- Depth = 53.0mm
- Thickness = 30.0mm

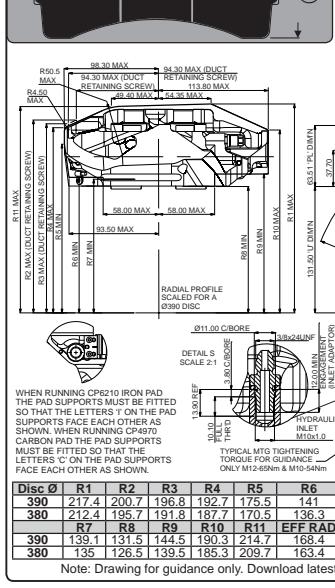


INSTALLATION DRAWING

INSTALLATION DRAWING



INSTALLATION DRAWING



BRAKE CALIPERS - GT / Endurance



CP6169

6 Piston, Slimmed Radi-CAL™



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

- RHT, CP6169-14S7M.
- LHT, CP6169-15S7M.
- RHL, CP6169-16S7M.
- LHL, CP6169-17S7M.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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

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

SPARE PARTS

Ø27.0 - Piston	CP6169-108
Ø31.8 - Piston	CP4969-139
Ø38.1 - Piston	CP6169-106
Wear Plates. x 4	CP6169-113
Seal Repair Kit	CP4518-CEJ
AKB Spring Kit	CP6518-7LB SSL
Dry-Bleed Fitting	CP6300-21
Carbon Cooling Duct	CP6169-110 or -111
Upper Mtg Bush x 2	CP6720-162

AVAILABLE OPTIONS

- Thermo Sensor

- PT100 Type CP6282-6

- PT1000 Type CP6282-7

LDVT Assy Complete.	CP4969-54
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LDVT Rod & Yoke Assy Spares.	CP4969-55
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CP6269

6 Piston, Forged Radi-CAL™



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.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

TECHNICAL SPECIFICATION

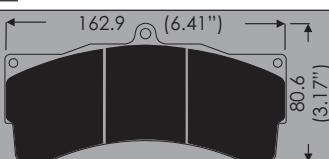
Piston Sizes	Ø31.75mm Ø34.0mm Ø41.3mm
Piston Area	60.75cm ²
Disc Diameter	390mm
Disc Thickness	35.60mm
Weight No Pads	3.3Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

SPARE PARTS

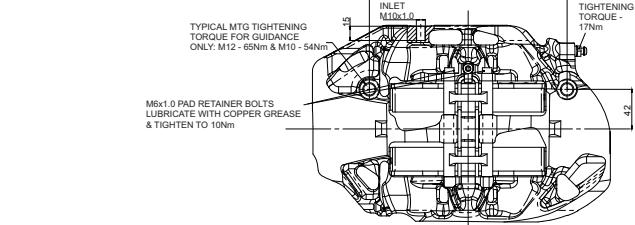
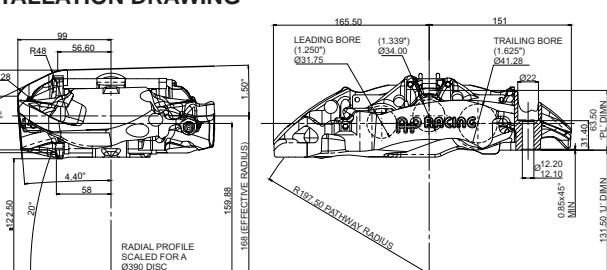
Ø31.75 - Piston	CP6268-104
Ø34.0 - Piston	CP6268-105
Ø41.3 - Piston	CP6268-106
Seal Repair Kit	CP8518-EFK
Pad Abutment Plates	
Leading x 2	CP6269-102
Trailing x 2	CP6269-103
Pad Supports	CP6269-104
M4 Pad Support Cap Heads x 8	CP3215-115
H Piece Pad Retainer Kit	CP6268-20
Quick Release (Clip) Pad Retainer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

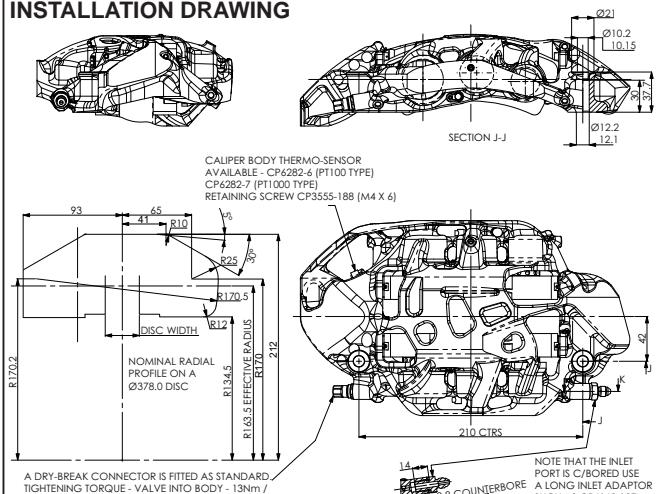


INSTALLATION DRAWING



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

INSTALLATION DRAWING



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

BRAKE CALIPERS - GT / Endurance

CP6470

4 Piston, Billet Radi-CAL™ Rear

TYPICAL APPLICATION

- Rear for All GT / Endurance Classes.

FEATURES

- Radial mount, 180 x 42mm Ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Suits Ø355 x 32mm Iron disc or Ø355 x 35mm Carbon disc.
- Monobloc Aluminium alloy body.
- Ducted air cooling,
 - reduced caliper temperatures.
- Titanium pistons.
- Internally ported.
- Optional Dry-Bleed fittings & body Thermo-Sensor.
- Ceramic piston insulation caps available.



TECHNICAL SPECIFICATION

Piston Sizes	Ø28.6mm Ø36.0mm
Piston Area	33.2cm ²
Disc Diameter	Ø355.0mm
Disc Thickness	32.0mm
Weight No Pads	2.1Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

PART NUMBERS

To suit Iron Disc

- RH, CP6470-2S7MP.
- LH, CP6470-3S7MP.

To suit Carbon Disc

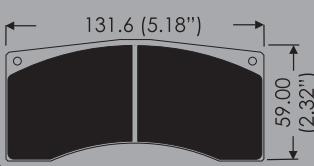
- RH, CP6470-12S7MP.
- LH, CP6470-13S7MP.

CALIPER HANDLING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

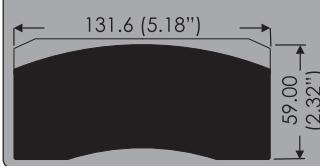
CP6070D49 IRON PAD

- Area = 61.6cm²
- Depth = 49.0mm
- Thickness = 25.0mm

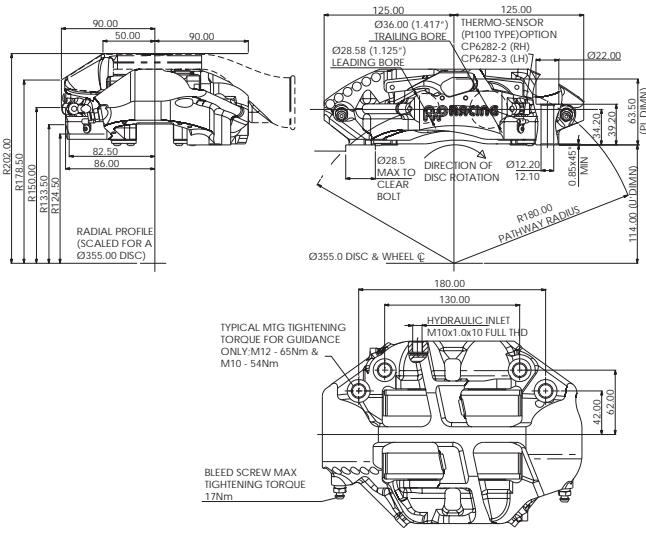


CP6070 CARBON PAD

- Area = 61.6cm²
- Depth = 53mm
- Thickness = 25.0mm



IRON DISC INSTALLATION DRAWING



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

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

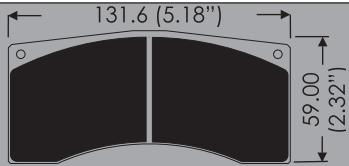
- RH, CP6480-2S7L.
- LH, CP6480-3S7L.

CALIPER HANDING

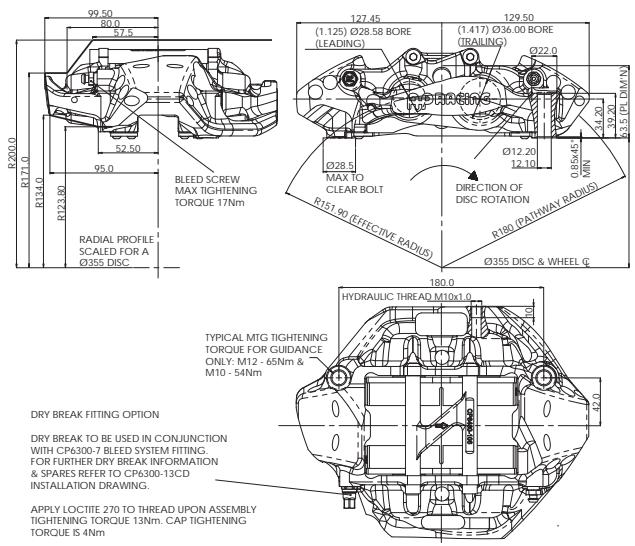
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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



INSTALLATION DRAWING



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

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.

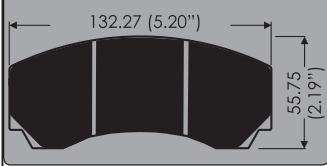
- CP6730 Type.**
 - RH, CP6730-2S4.
 - LH, CP6730-3S4.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

CP3215D46 PAD

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



TECHNICAL SPECIFICATION

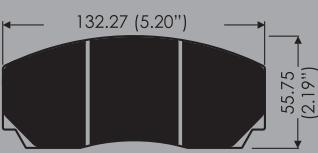
Piston Sizes	
CP6720	Ø34.9mm
	Ø41.3mm
Piston Area	
CP6720	45.93cm ²
CP6730	31.66cm ²
Disc Diameter	
Max	Ø355.0mm
Min	Ø285.0mm
Disc Thickness	28.0mm
Weight No Pads	
CP6720	2.5Kg
CP6730	2.6Kg
Hydraulic Thread	
	M10x1.0
Mounting Type	
	Radial
Mtg centres	180.0mm
Mtg offset	35.0mm
Mtg hole Ø	12.15mm
'PL'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

SPARE PARTS

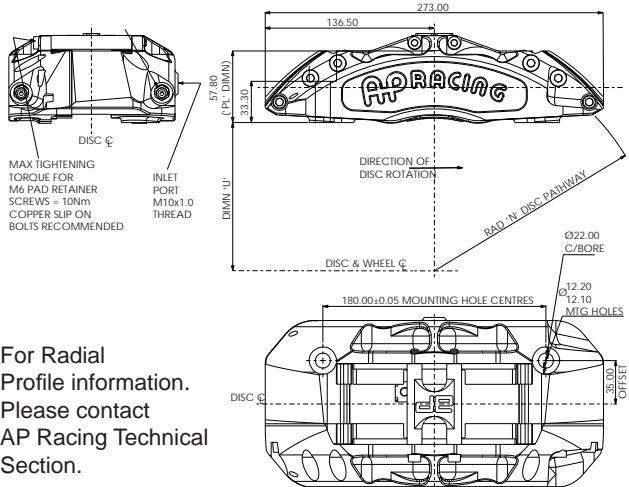
Pistons	
Ø34.9mm	CP3567-108
Ø41.3mm	CP3344-109
Ø31.8mm	CP3349-103
Seal Repair Kit	
CP6720	CP4518-GK
CP6730	CP4518-EE
Pad Retainer	
	H/Piece
Retainer P/No.	
CP6720-101	
Ret / Bolt P/No.	
CP3345-118	
Wear Plates	
CP5200-306	
AKB Spring Kits	
CP6720	CP6518-4LBL
CP6730	CP6518-4LBSS
Bleed Screw Kit	
	CP3880-1

CP3215D50 PAD

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



INSTALLATION DRAWING



For Radial Profile information.
Please contact
AP Racing Technical
Section.

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

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 bleed screws.
- H/Piece pad retainer.
- Superceded 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.

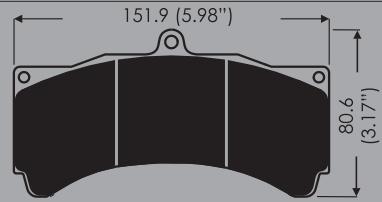
- To suit a disc Ø320x32mm
 - CP6750-6S4L RHT.
 - CP6750-7S4L LHT.
 - CP6750-8S4L RHL.
 - CP6750-9S4L LHL.

CALIPER HANDING

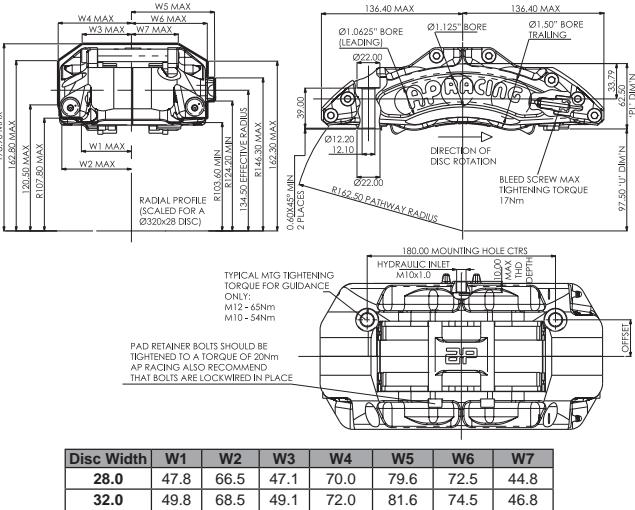
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

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

www.apracing.com




BRAKE CALIPERS - Rally
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.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on 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

CP6768
6 Piston, Liquid Cooled Radi-CAL™

TECHNICAL SPECIFICATION

Piston Sizes	Ø27.0mm Ø31.8mm Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	Ø320.0mm
Disc Thickness	32.0mm
Weight No Pads	2.9Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	200.0mm
Mtg offset	43.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	74.43mm
Coolant Connections	
Inlet & Outlet	9/16" x18 JIC

TYPICAL APPLICATION

- Rally Raid.

FEATURES

- Radial mount, 200 x 43mm ctrs.
- Re-circulating Liquid Cooling System.
- Controls caliper temperatures.
- Monobloc Aluminium alloy body.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Ducted air cooling features.
- Designed to operate on Ø320 x 32mm Iron discs.
- Internally ported.
- Temperature Sensor Port.
- Stainless Steel pistons.
- Dirt (wiper) seals fitted.
- Non Liquid-Cooled option also available - CP6766 Family.

PART NUMBERS

- RHT, CP6768-2S7L.
- LHT, CP6768-3S7L.

CALIPER HANDING

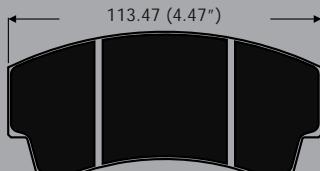
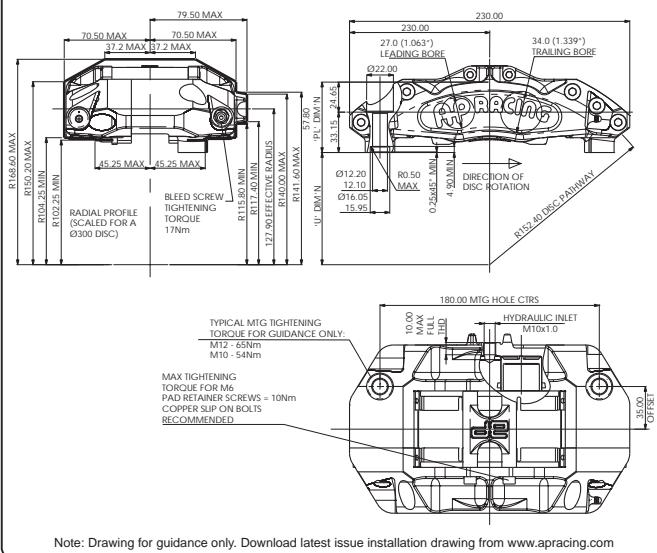
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

SPARE PARTS

Pistons	
Ø27.0mm	CP6560-126
Ø31.8mm	CP6560-127
Ø38.1mm	CP6560-128
Wear Plates. x 4	CP6766-108
Beam W/Plate	CP6766-107
Pad Supports	CP6078-105
Seal Repair Kit	CP4518-CE1:RAID
AKB Spring Kit	CP6518-7LB SSL
Bleed Screw Kit	CP3880-1
JIC Adaptor	CP6768-107

PAD INFORMATION

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


INSTALLATION DRAWING


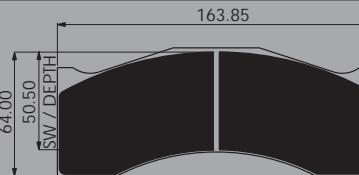
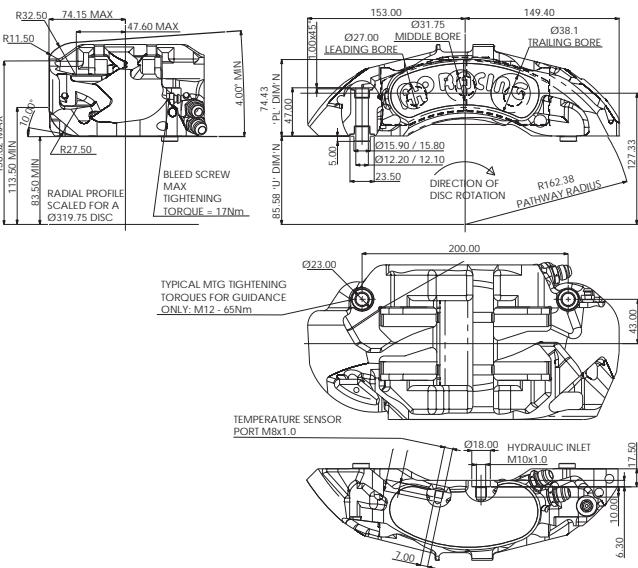
Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com



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PAD INFORMATION

- Pad Family = CP6766D50
- Pad Area = 81.9cm²
- Pad Depth = 50.5mm
- Pad Thickness = 18.0mm


INSTALLATION DRAWING


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

BRAKE CALIPERS - Rally

CP6830 & CP6831 / Internally Ported, 4 Piston, Billet Radi-CAL™



CP6830

TYPICAL APPLICATIONS

- WRC Turbo.
- S2000 Tarmac/Gravel Specifications

FEATURES

- Radial mount, 180 x 42mm ctrs.
- CP6831 Small bore Version for rear applications.
- Designed to operate on Ø355 or Ø300mm x 32mm Iron disc.
- Benefits from radical asymmetric design concept for Superior dynamic performance.
- Ducted air cooling features, significantly reduces caliper temperatures.
- Monobloc Aluminium/alloy body.
- Internally ported.
- Stainless Steel pistons.

FRONT PART NUMBERS

- RHL, CP6830-4S4LP.
- LHL, CP6830-5S4LP.

REAR PART NUMBERS

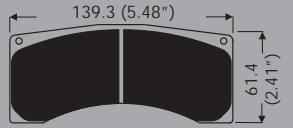
- RHL, CP6831-4S4LP.
- LHL, CP6831-5S4LP.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

GRAVEL PAD

- Pad Family = CP6820D46
- Pad Area = 61.7cm³
- Pad Depth = 46.0mm
- Pad Thickness = 16.0mm



TECHNICAL SPECIFICATION

Piston Sizes

CP6830 - Front	Ø34.9mm x 2
	Ø41.3mm x 2
Piston Area	45.9cm ²
CP6831 - Rear	Ø27.0mm x 2
	Ø31.8mm x 2
Piston Area	27.3cm ²

Disc Ø - CP6830

Ø355.0mm

Disc Ø - CP6831

Ø300.0mm

Disc Thickness 32.0mm

Weight - CP6830

2.11Kg

Weight - CP6831

1.68Kg

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

Ø27.0mm Piston CP6821-105

Ø31.8mm Piston CP6821-104

Ø34.9mm Piston CP6820-106

Ø41.3mm Piston CP6820-107

Seal Repair Kit

CP6830 CP4518-GK

CP6831 CP4518-CE

Wear Plates. x 4

CP6830 CP6830-102

CP6831 CP6820-113

Beam W/Plate CP6820-109

Bleed Screw Kit CP3880-1

AKB Spring Kit

CP6830 - CP6518-4LBLL

CP6831 - CP6518-4LBSS

Mounting Boss

Upper CP6720-162

Lower CP6820-103

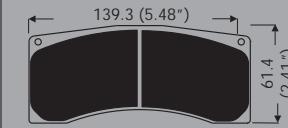
TARMAC PAD

- Pad Family = CP6820D48

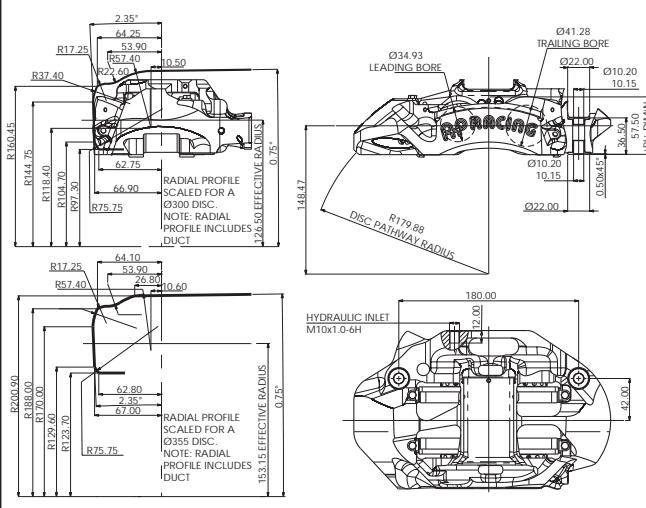
- Pad Area = 63.2cm³

- Pad Depth = 48.0mm

- Pad Thickness = 16.0mm



INSTALLATION DRAWING FOR CP6830-4/5S4LP



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

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



TECHNICAL SPECIFICATION

Piston Sizes

Ø34.9mm x 2

Ø41.3mm x 2

Piston Area

45.9cm²

Disc Diameter

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

FEATURS

- 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

- RH, CP6840-4S4L

- LH, CP6840-5S4L

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

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

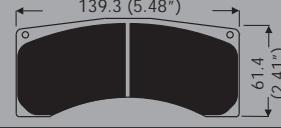
GRAVEL PAD

- Pad Family = CP6820D46

- Pad Area = 61.7cm³

- Pad Depth = 46.0mm

- Pad Thickness = 16.0mm



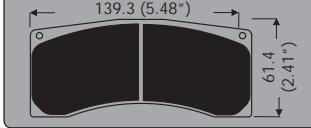
TARMAC PAD

- Pad Family = CP6820D48

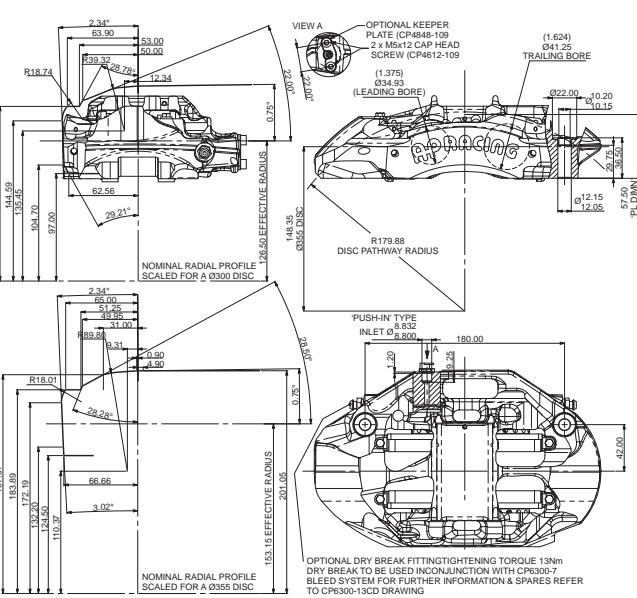
- Pad Area = 63.2cm³

- Pad Depth = 48.0mm

- Pad Thickness = 16.0mm



INSTALLATION DRAWING



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


BRAKE CALIPERS - Rally
CP8350
4 Piston, Two Piece Forged Body

TYPICAL APPLICATIONS

- R2 or Similar Series.

FEATURES

- Small bore version of CP8351 & CP8352
- Radial mount, 152 x 39.8mm ctrs.
- Suits Ø285 or Ø310mm x 26mm thick disc.
- Aluminium alloy body.
- Lightweight forged Aluminium alloy construction.
- High temperature, low drag seals fitted as standard.
- Aluminium alloy pistons.
- Manufactured with bleedscrew and pipe protection.
- Stainless Steel pad abutments and wear plates fitted.

PART NUMBERS

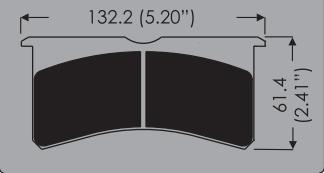
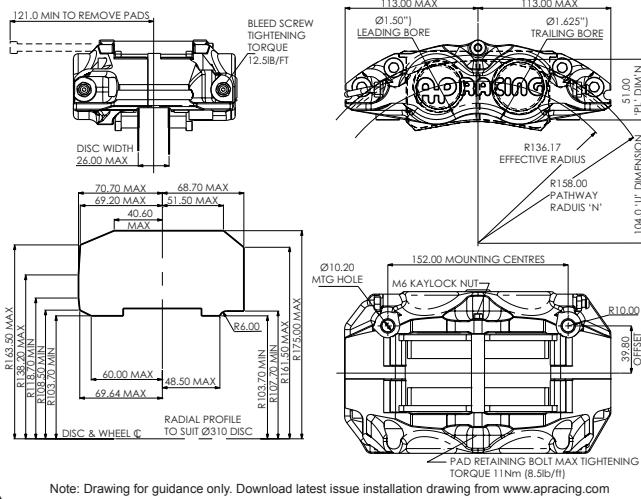
- RHT, CP8350-12S4.
- LHT, CP8350-13S4.
- RHL, CP8350-14S4.
- LHL, CP8350-15S4.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

GRAVEL PAD

- Pad Family = CP8250D41
- Pad Area = 50.67cm³
- Pad Depth = 41.0mm
- Pad Thickness = 20.2mm


INSTALLATION DRAWING


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



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CP8351 & CP8352
4 Piston, Two Piece Forged Body

TECHNICAL SPECIFICATION
Piston Sizes

CP8351	Ø44.5mm x 2 Ø47.6mm x 2
CP8352	Ø41.3mm x 2 Ø44.5mm x 2

Piston Area

CP8351	66.67cm ²
CP8352	49.56cm ²

Disc Diameter

Max	Ø310.0mm
Min	Ø285.0mm
Disc Thickness	26.0mm
Weight No Pads	2.08Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mtg offset	40.8mm
Mtg hole Ø	10.2mm
'PL' Dimension	51.0mm

TYPICAL APPLICATIONS

- R2 or Similar Series.

FEATURES

- CP8352 designed with alternative bore positions.
- Radial mount, 152 x 40.8mm ctrs.
- Suits Ø285 or Ø310mm x 26mm thick disc.
- Lightweight forged Aluminium alloy body construction.
- High temperature, low drag seals fitted as standard.
- Stainless Steel pistons.
- Manufactured with bleedscrew and pipe protection.
- Stainless Steel pad abutments and wear plates fitted.

SPARE PARTS

- | | |
|-------------------|--------------|
| Pistons | |
| Ø38.1mm | CP3215-113 |
| Ø41.3mm | CP4270-3 |
| Seal Repair Kit | CP4518-JK |
| Pad Retainer | Bolt |
| Retainer Part No. | CP8350-108 |
| Ret / Bolt P/No. | CP3439-111 |
| Wear Plates | |
| Right Hand x 2 | CP8250-108 |
| Left Hand x 2 | CP8250-109 |
| Bleed Screw Kit | CP3880-1 |
| Fluid Pipe | CP8350-6 |
| AKB Spring Kit | CP6518-4LPLL |

PART NUMBERS

- With Ø44.5 / 47.6mm Bores.
- RHL, CP8351-4S0L.
- LHL, CP8351-5S0L.

- With Ø41.3/44.5mm Bores.

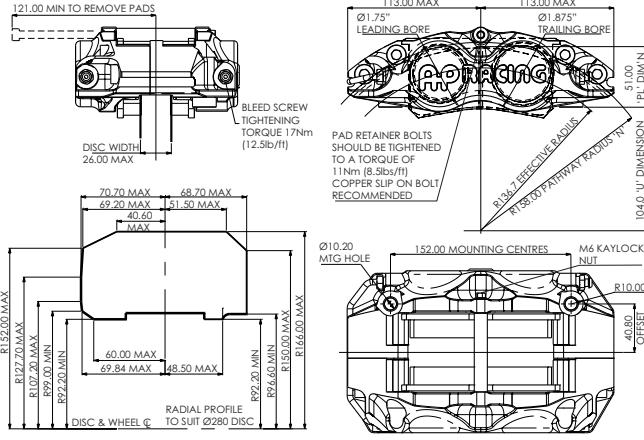
- RHL, CP8352-4S0L.
- LHL, CP8352-5S0L.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

GRAVEL PAD

- Pad Family = CP8250D50
- Pad Area = 61.0cm³
- Pad Depth = 50.0mm
- Pad Thickness = 20.2mm

CP8351 - INSTALLATION DRAWING


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



BRAKE CALIPERS - Touring Car



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.
- RHL, CP5785-4S0MPD.
- LHL, CP5785-5S0MPD.

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

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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



TECHNICAL SPECIFICATION

Piston Sizes	Ø36.00mm Ø44.45mm
Piston Area	51.39cm ²
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

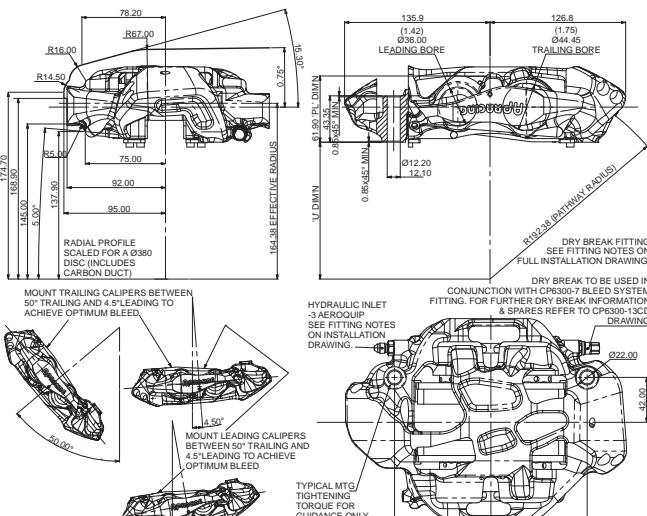
Carbon Duct Kits

RH CP5785-104/LH CP5785-105

139.3 (5.48")

61.4 (2.41")

INSTALLATION DRAWING



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

CP6267

4 Piston, Forged Radi-CAL™ Rear



TYPICAL APPLICATIONS

- Touring Car.
- GT.
- Formula 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.

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

Pad Supports x 4

CP5870-108

Bleed Screw Kit

CP3880-1

132.28 (5.20")

46.61 (1.83")

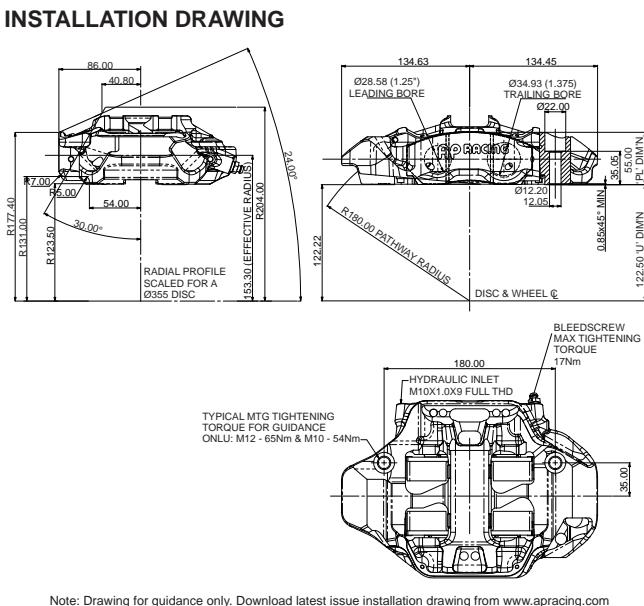
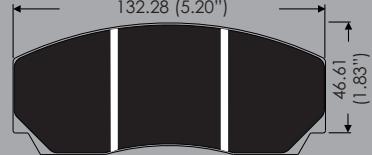
PAD INFORMATION

- Pad Family = CP6267D50

- Pad Area = 60.4cm²

- Pad Depth = 50.0mm

- Pad Thickness = 25.0mm



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

BRAKE CALIPERS - Touring Car

CP6268

6 Piston, Forged Radi-CAL™ Front



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

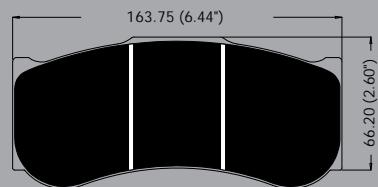
- RHT = CP6268-12S7L.
- LHT = CP6268-13S7L.

CALIPER HANDING

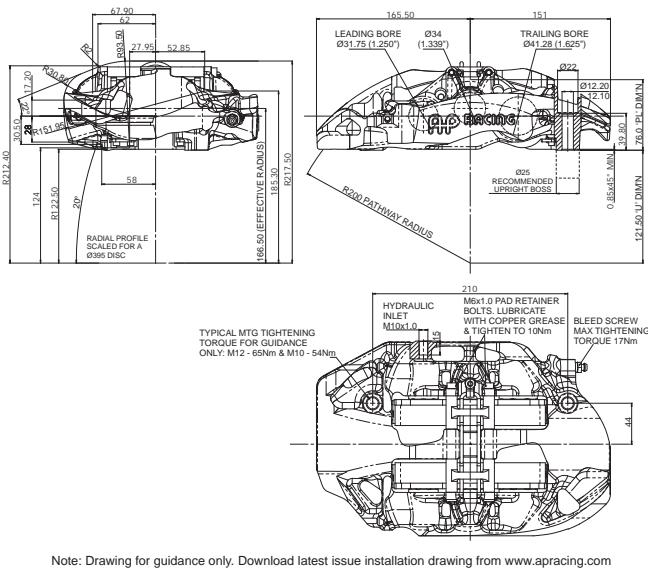
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

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

CP6665

6 Piston, Forged Radi-CAL™



APPLICATIONS

- Touring Car Front & Rear.
- GT Front & Rear.

FEATURES

- Radial mount, 210 x 35mm ctrs.
- Benefits from a radical asymmetric design concept.
- Superior dynamic performance.
- Increased stiffness.
- Reduced weight.
- Forged monobloc Aluminium alloy body.
- Suits Ø380 x 35mm disc.
- Stainless Steel pistons.
- Stainless Steel wear plates.
- 4lb Anti-Knockback springs fitted.
- Optional Carbon Duct kit.

PART NUMBERS

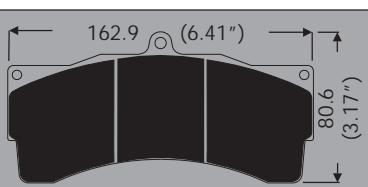
- RHT = CP6665-2S4L.
- LHT = CP6665-3S4L.

CALIPER HANDING

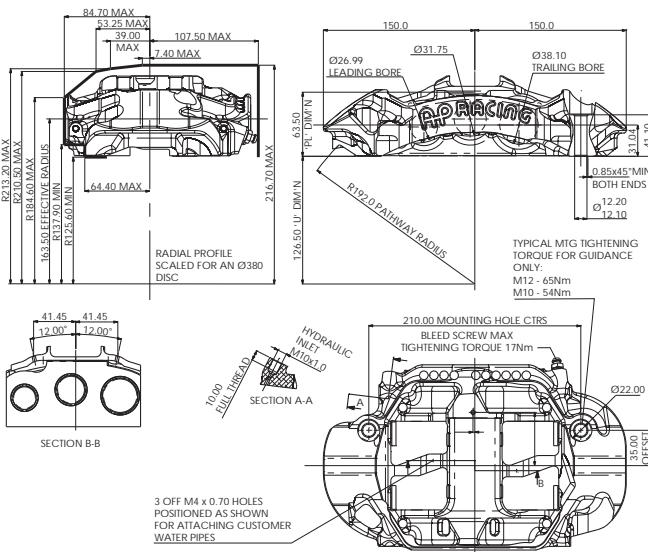
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP6230D54
- Pad Area = 81.62cm²
- Pad Depth = 54.0mm
- Pad Thickness = 25.0mm



INSTALLATION DRAWING



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



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BRAKE CALIPERS - 2 Piston

CP2505 - Cast Iron Body



TYPICAL APPLICATION

- Formula Ford.

FEATURES

- Lug mount, 89 x 19.1mm ctrs.
- Cast iron body with a bright passivated zinc surface treatment.
- Suits Ø254mm x 7.1mm solid Iron disc.
- Non handed.
- Steel pistons.
- Piston dirt seals fitted.
- Split pin pad retainer.
- Interchangeable with CP3696-6E0.

PART NUMBER

- CP2505-3S0L.

INSTALLATION

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

TECHNICAL SPECIFICATION

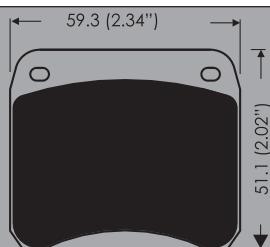
Piston Size	Ø41.3mm
Piston Area	26.8cm ²
Disc Dia.	Ø254.0mm
Disc Thickness	7.1mm
Disc Pathway Radius	128.0mm
Weight No Pads	2.0Kg
Hydraulic Thread	3/8"x24UNF
Mounting Type	Lug
Mtg centres	89.0mm
Mtg offset	19.1mm
Mtg hole Ø	9.8mm
'PL' Dimension	43.7mm

SPARE PARTS

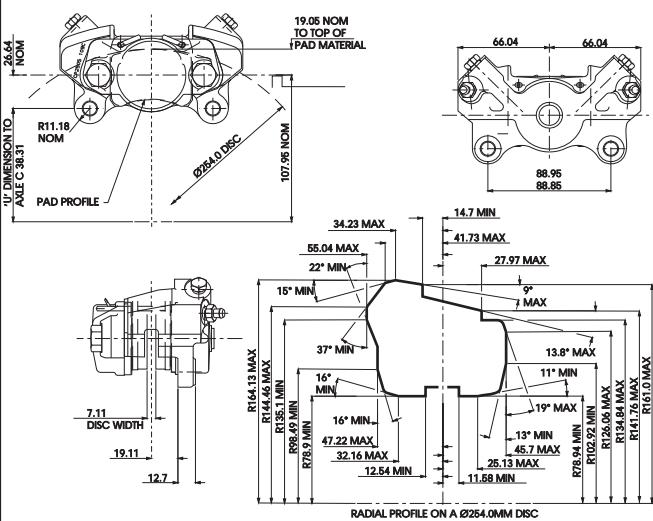
Pistons	CP2195-14
Seal Repair Kit	CP4508-K
Pad Retainer	Split Pin
Retainer P/No.	CP2696-160
Bleed Screw	CP3720-182

PAD INFORMATION

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

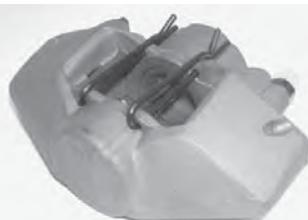


INSTALLATION DRAWING



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

CP2576, CP2577, CP3176, CP3177 & CP3178 - Lug Mount



TECHNICAL SPECIFICATION

Piston Size / Piston Area	
CP2576-3E0	Ø41.3mm / 26.76cm ²
CP2577-3-14E0	Ø44.5mm / 31.04cm ²
CP3176-2E0	Ø38.1mm / 22.8cm ²
CP3177-2E0	Ø36.0mm / 20.35cm ²
CP3178-2E0	Ø31.8mm / 15.83cm ²
Disc Diameter	Ø267mm
Disc Thickness	9.7mm
Weight No Pads	1.1Kg
Hydraulic Thread	3/8"x24UNF
Mounting Type	Lug
Mtg centres	89.0mm
Mtg offset	24.6mm
CP2577-14E0	20.6mm
Mtg hole Ø	9.6mm
'PL' Dimension	49.9mm
CP2577-14E0	48.5mm

TYPICAL APPLICATIONS

- Rally / Circuit Rear.
- CP2577-14E0 Formula Ford Front & Rear. (Interchangeable with CP2485-8/9S0)

FEATURES

- Lug mount, 89mm 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

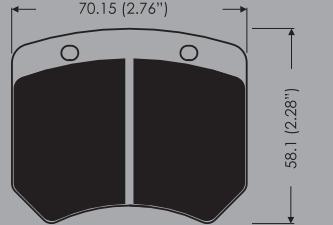
- CP2576-3E0.	CP2576-105
- CP2577-3E0.	CP2577-102
- CP2577-14E0.	CP3176-102
- CP3176-2E0.	CP3177-102
- CP3177-2E0.	CP3178-102
- CP3178-2E0.	CP3178-102
Seal Repair Kit	
CP2576-3E0	CP4518-K
CP2577-3-14E0	CP4518-L
CP3176-2E0	CP4518-J
CP3177-2E0	CP4518-H
CP3178-2E0	CP4518-E
Pad Retainer	R Clip
Retainer P/No.	CP2213-17
Bleed Screw	CP3720-182

INSTALLATION

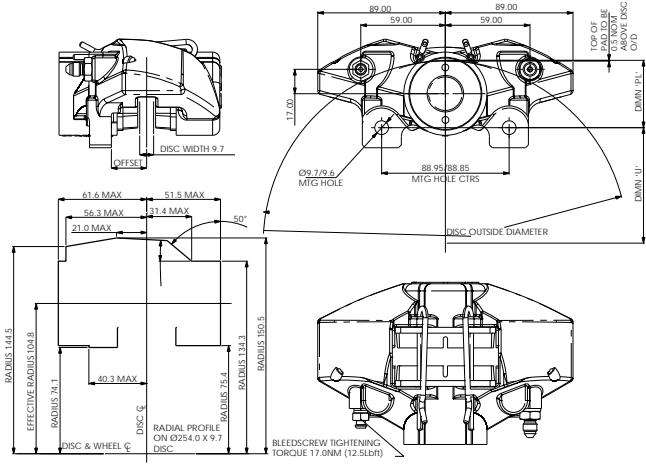
Install with bleed screws at the top (swap with blanking plug as required) to enable a good bleed.

PAD INFORMATION

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



INSTALLATION DRAWING FOR CP2577



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

BRAKE CALIPERS - 2 Piston

CP3676, CP3677, CP4586 & CP4596 Radial Mount



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.

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

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

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

26.7cm²

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

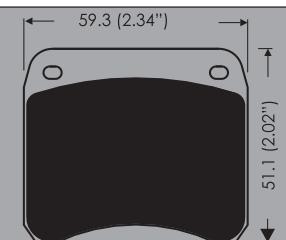
R Clip

Retainer P/No.

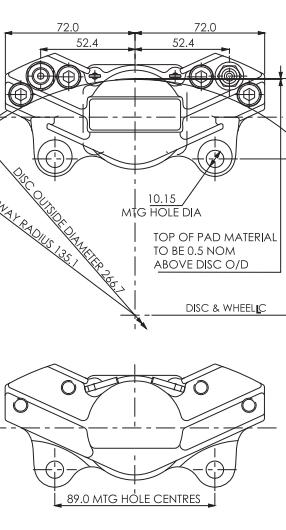
CP3696-106

Bleed Screw

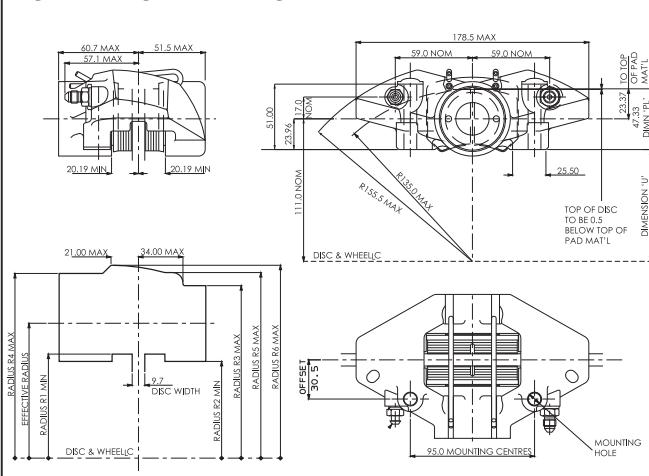
CP3720-182



INSTALLATION DRAWING



INSTALLATION DRAWING



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



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

BRAKE CALIPERS - 2 Piston

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.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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

**TECHNICAL SPECIFICATION****Piston Size / Piston Area**

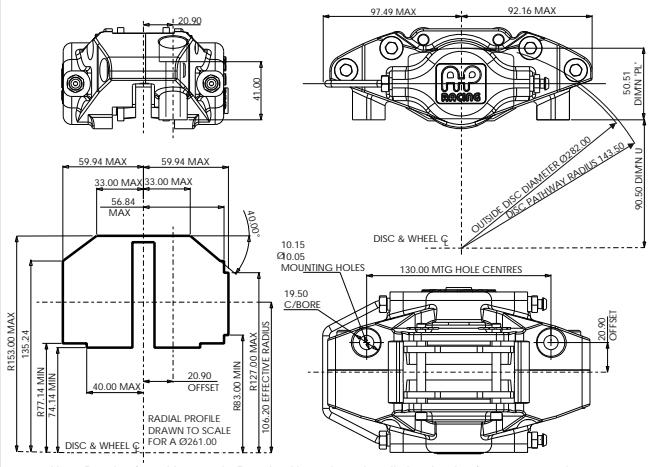
CP6120 & CP6126	Ø44.5mm / 31.04cm ²
CP6121	Ø38.1mm / 22.8cm ²
Disc Diameter	Upto Ø282mm
Disc Thickness	
CP6120 / CP6121	12.7mm
CP6126	17.8mm
Weight No Pads	1.5Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mtg offset	
CP6120 / CP6121	20.9mm
CP6126	23.86mm
Mtg hole Ø	10.1mm
'PL' Dimension	50.51mm

SPARE PARTS

Pistons	CP5235-108
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

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

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.

PAD INFORMATION

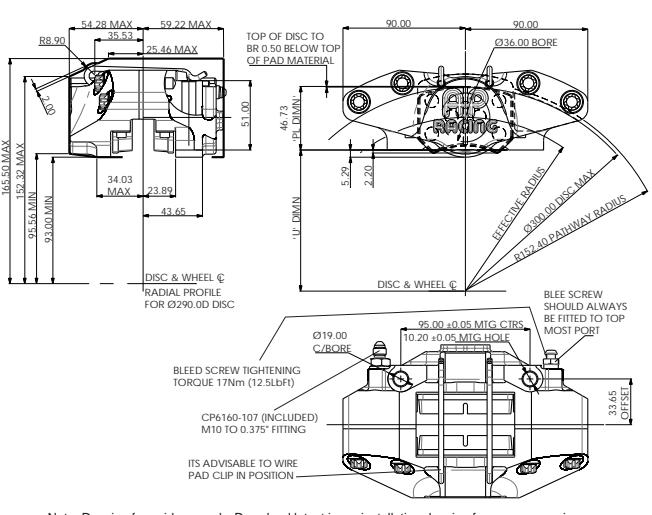
- Pad Family = CP2399D43
- Pad Area = 27.4cm²
- Pad Depth = 42.9mm
- Pad Thickness = 14.4mm

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

INSTALLATION DRAWING

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 page 34 to 39.



CP2382 and CP2383 2 Piston Calipers.



APPLICATIONS

- CP2382, Escort Rear, Grp 4 Rally Vented Disc.
- CP2383, Escort Rear, Grp 4 rally Solid Disc.

FEATURES

- Lug mount.
- Cast Aluminium alloy body.
- Aluminium alloy pistons.
- Hard anodised surface treatment.

PART NUMBERS

- | | |
|-------------------------------|------------------------|
| ▪ Vented Disc. | Pad Family - CP2372D52 |
| - CP2382-12E4, RH & -13E4, LH | Pad Thickness = 15.9mm |

CP2271 4 Piston Caliper.



APPLICATIONS

- Rally.
- Sports GT.
- Saloons.

FEATURES

- Closed back Aluminium Alloy body.
- Blank lug mount.
- Ø38.1mm Aluminium Alloy pistons.
- Hard anodised surface treatment.

PART NUMBERS

- Right Hand. CP2271-182S4QR
- Left Hand. CP2271-183S4QR

CP2561 2 Piston Caliper.



APPLICATIONS

- Historic Formula One, Balanced Braking from 1977 - 1985.

FEATURES

- 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

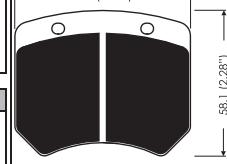
- CP2561-3S4.

TECHNICAL SPECIFICATION

Piston	Ø38.1mm
Sizes	x 2
Disc Dia.	Ø278.0mm
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	CP4518-J
Repair Kit	

Pad Family - CP2554

Pad Thickness = 16.8mm



CP2279 4 Piston Caliper.



TECHNICAL SPECIFICATION

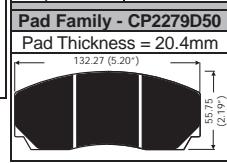
Piston	Ø44.5mm
Sizes	x 4
Disc Dia.	
Max	Ø330.0mm
Min	Ø260.0mm
Disc Thickness	28.0mm
Weight (No Pads)	3.4Kg
Hydraulic Thread	3/8"x24 UNF
Mtg Type	Blank Lug
Mounting centres	88.9mm
Max	80.3mm
Min	50.0mm
Mtg hole Ø	12.7mm
'PL' Dimension	10.1mm
Max	86.4mm
Min	70.6mm
Seal	CP4518-JJ
Repair Kit	LL

Pad Family - CP2279D50

Pad Thickness = 16.6mm



Pad Thickness = 20.4mm



CP2270 4 Piston Caliper.

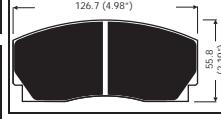


TECHNICAL SPECIFICATION

Piston	Ø41.3mm
Sizes	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
Max	42.4mm
Mtg hole Ø	N/A
'PL' Dimension	85.6mm
Max	66.3 / 85.3mm
Mtg hole Ø	126.7 (4.98")
Seal	CP4518-KK
Repair Kit	

Pad Family - CP2270D46

Pad Thickness = 16.6mm



CP2361 4 Piston Caliper.

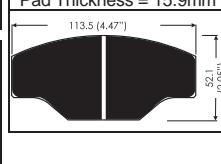


TECHNICAL SPECIFICATION

Piston	Ø38.1mm
Sizes	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
Max	31.2mm
Mtg hole Ø	N/A
'PL' Dimension	81.2mm
Max	55.1 / 53.8mm
Mtg hole Ø	113.5 (4.47")
Seal	CP4518-JJ
Repair Kit	

Pad Family - CP2340D43 or D51

Pad Thickness = 15.9mm



BRAKE CALIPERS - Performance Road / Armoured Vehicle - General Information & 2 Piston

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 brake system supplier.



ARMoured VEHICLES

AP Racing can now engineer unique solutions for various Armoured or Defence applications, to a customers own specific criteria and requirements. With various heavy duty brake systems available, solutions can be designed and developed based on our specific Armoured Car / Heavy Duty Vehicle testing procedures. With careful consideration of the specific levels of armouring and weight increases, AP Racing can develop a brake system to effectively function in 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:
Land Cruiser 76. / - Land Cruiser 200. / - Hilux.



Please contact:

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

THE RANGE

The calipers detailed on pages 25 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, page 169.

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 www.apracing.com/bctds.

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/s^2 (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

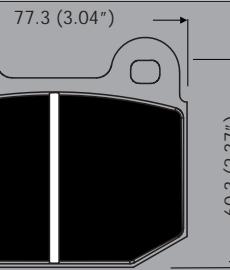
Piston Sizes	Ø44.5 x 2
Piston Area	31.11cm ²
Disc Diameter	Ø282.0
Disc Thickness	10.0mm
Weight No Pads	1.6Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mtg offset	33.75mm
Mtg hole Ø	10.2mm
'PL' Dimension	50.51mm

SPARE PARTS

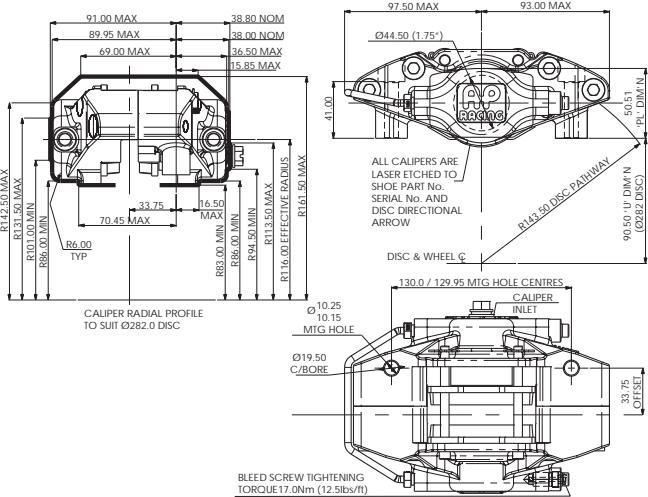
Pistons	CP5119-104
Seal Repair Kit	CP4519-L
Pad Retainer	Pin
Retainer P/No.	CP5119-144
Bleed Screw	CP3720-173
Fluid Pipe	CP5111-12

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.apracing.com



BRAKE CALIPERS - Performance Road - 2 & 4 Piston

CP5316 & CP5317

2 Piston, Suits Ventilated Discs



TYPICAL APPLICATION

- Road Lightweight Front or Rear.

FEATURES

- Radial mount, 130 x 27.5mm ctrs.
- Suits Ø332mm x 26mm disc.
- Aluminium alloy body.
- Aluminium alloy pistons.
- Piston dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish
- Pin pad retainer with 'R' Clip.

PART NUMBERS

For Black calipers

- With Ø38.1mm Pistons.**
 - CP5316-2S0 RHT or LHL.
 - CP5316-3S0 LHT or RHL.
- With Ø41.3mm Pistons.**
 - CP5317-2S0 RHT or LHL.
 - CP5317-3S0 LHT or RHL.

For Red calipers

add 'R2' to end of part number e.g
CP5316-2S0R2.

CALIPER HANDLING

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.

PAD INFORMATION

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

TECHNICAL SPECIFICATION

Piston Sizes

CP5316	Ø38.1mm
CP5317	Ø41.3mm

Piston Area

CP5316	22.8cm ²
CP5317	26.8cm ²

Disc Diameter	Ø332.0
Disc Thickness	26.0mm
Weight No Pads	1.5Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mtg offset	27.5mm
Mtg hole Ø	10.1mm
'PL' Dimension	50.5mm

SPARE PARTS

Pistons

CP5316	CP5218-104
CP5317	CP5317-103

Seal Repair Kit

CP5316	CP4519-J
CP5317	CP4519-K

Pad Retainer

Retainer P/No.	CP5119-134
Bleed Screw	CP3720-173

Fluid Pipe	CP5317-10
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CP5100

4 Piston, 130mm Radial Mount



TYPICAL APPLICATION

- Performance Road Front or Rear.

FEATURES

- Radial mount, 130 x 47.4mm ctrs.
- Suits Ø295mm x 25.4mm iron discs.
- Cast Aluminium alloy body,
- Staggered equal bores.
- Aluminium Alloy pistons with dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish
- Steel wear plates.
- Pad anti-rattle clip fitted.

PART NUMBERS

For Black Calipers

- Suits Ø295 x 25.4mm disc.**
RHT = CP5100-806S4.
LHT = CP5100-807S4.
RHL = CP5100-808S4.
LHL = CP5100-809S4.

For Red Calipers

- add 'R2' to end of part number e.g **CP5100-806S4R2**

CALIPER HANDLING

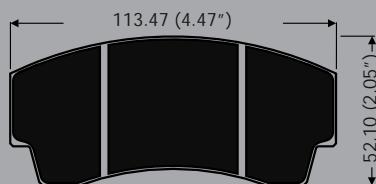
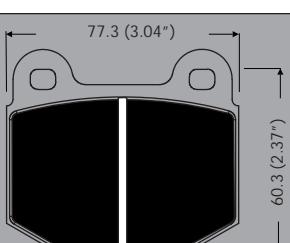
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

TECHNICAL SPECIFICATION

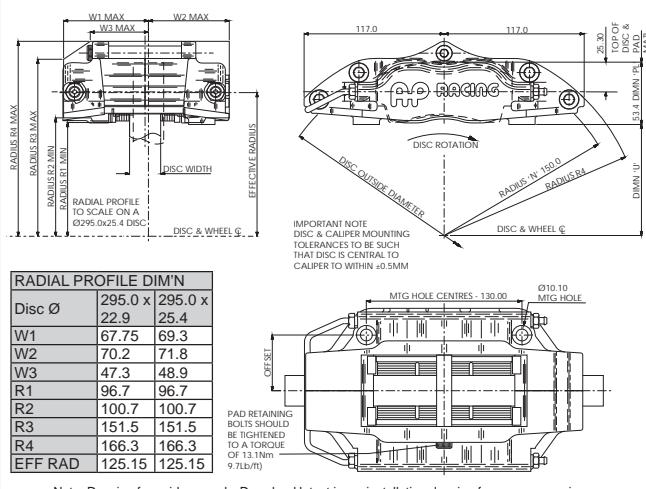
Piston Size	Ø38.1mm x 4
Piston Area	45.6cm ²
Disc Diameter	Ø295.0mm
Disc Thickness	25.4mm
Weight No Pads	1.9Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mounting offset	47.4mm
Mtg hole Ø	10.1mm
'PL' Dimension	53.05mm

SPARE PARTS

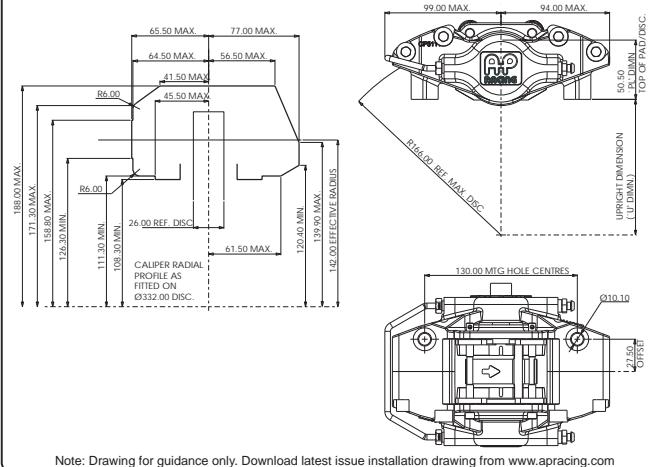
Pistons	CP2409-160
Seal Repair Kit	CP4519-JJ
AKB Spring Kit - CP6518-4LBLL	CP5100-210
Wear Plates	x 2
Pad Retainer	Bolt
Retainer P/No.	CP5100-117
Ret / Bolt P/No.	CP5100-120
Bleed Screw	CP3720-173
Fluid Pipe	CP5100-10



INSTALLATION DRAWING



INSTALLATION DRAWING



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



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BRAKE CALIPERS - Performance Road - 4 Piston

CP5200

4 Piston, 152mm Radial Mount



TYPICAL APPLICATION

- Performance Road Front.

FEATURES

- Radial mount, 152mm ctrs.
- To suit Ø330 / 304mm x 32 / 28mm iron disc.
- Cast Aluminium alloy body.
- Aluminium Alloy pistons with dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish
- Steel wear plates.
- Pad anti-rattle clip fitted.

PART NUMBERS

For Black Calipers

- Suits Ø330 x 32mm disc.

CP5200-802S4 RHT /-803S4 LHT
/-804S4 RHL /-805S4 LHL

- Suits Ø330 x 28mm disc.

CP5200-806S4 RHT /-807S4 LHT
/-808S4 RHL /-809S4 LHL

- Suits Ø304 x 32mm disc.

CP5200-810S4 RHT /-811S4 LHT
/-812S4 RHL /-813S4 LHL

For Red Calipers

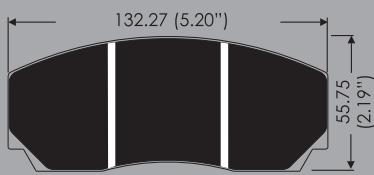
- add 'R2' to end of part number,
e.g CP5200-806S4R2.

CALIPER HANDLING

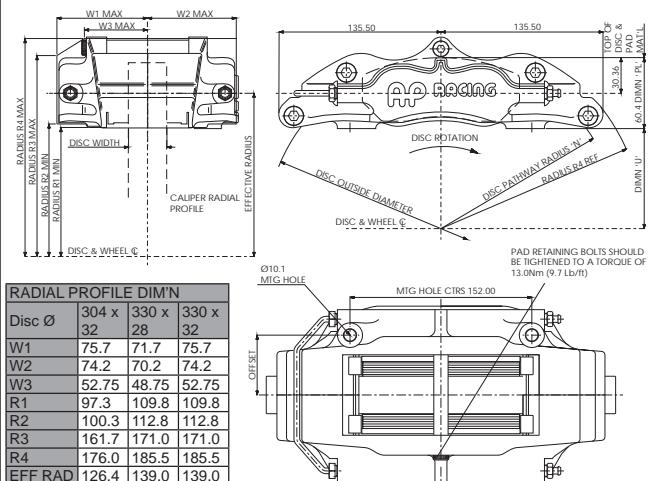
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

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



INSTALLATION DRAWING



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

CP7600

4 Piston, Suits Ø295x24mm Discs



TYPICAL APPLICATION

- Performance Road Front.

FEATURES

- Radial mount, 130 x 47mm ctrs.
- Suits Ø295mm x 24mm iron disc.
- Cast Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish
- Steel wear plates.
- Pad anti-rattle clip fitted.

PART NUMBERS

For Black Calipers

- CP7600-2S0 RHT.
- CP7600-3S0 LHT.
- CP7600-4S0 RHL.
- CP7600-5S0 LHL.

For Red Calipers

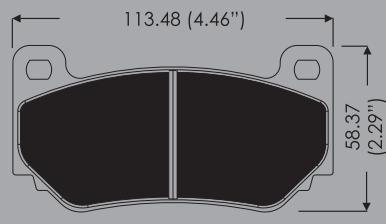
- add 'R2' to end of part number e.g CP7600-2S0R2.

CALIPER HANDLING

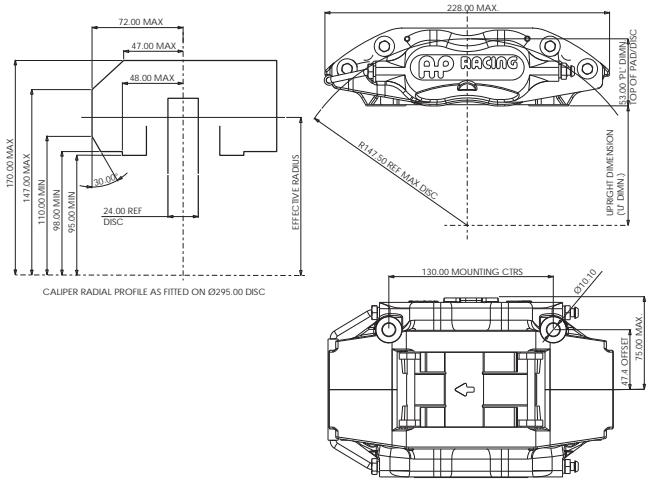
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP7600D46
- Pad Area = 43.5cm²
- Pad Depth = 46.2mm
- Pad Thickness = 16.0mm



INSTALLATION DRAWING



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

BRAKE CALIPERS - Performance Road - 4 and 6 Piston

CP8530, CP8540 & CP8560 4 Piston, World Radi-CAL™ Calipers



TYPICAL APPLICATIONS

- Road Front or Rear.
- Factory Big Brake kit Front or Rear.

FEATURES

- Benefits from a radical asymmetric design concept.
- Radial mount, 195mm ctrs.
- Suits Ø400mm x 28mm or 32mm disc.
- Forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish.
- Steel wear plates.
- Pad anti-rattle clip fitted.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PART NUMBERS & PISTON INFORMATION

Part No.	Piston Sizes (mm)	Piston Area	Max Disc Ø x Thickness (mm)
CP8530-2/3/4/5S0BK or R2	Ø38.1 / Ø41.3	49.56cm ²	400 x 32mm
CP8540-2/3/4/5S0BK or R2	Ø28.6 / Ø31.8	28.8cm ²	400 x 28mm
CP8540-6/7/8/9S0BK or R2	Ø28.6 / Ø31.8	28.8cm ²	400 x 32mm
CP8560-2/3/4/5S0BK or R2	Ø27 / Ø27	22.9cm ²	400 x 28mm

PAD INFORMATION

- Pad Family = CP6600D55
- Pad Area = 64.6cm²
- Pad Depth = 55.0mm
- Pad Thickness = 16.75mm

TECHNICAL SPECIFICATION

Weight No Pads	3.35Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	195.0mm
Mounting offset	
CP8540-2/3/4/5	34.0mm
CP8560-2/3/4/5	36.0mm
CP8530-2/3/4/5	36.0mm
CP8540-6/7/8/9	12.1mm
Mtg hole Ø	55.0mm

SPARE PARTS

Pistons	
Ø27.0mm	CP7555-106
Ø28.6mm	CP8336-111
Ø31.8mm	CP8336-116
Ø38.1mm	CP8335-110
Ø41.3mm	CP8335-111
Seal Repair Kits	
CP8530 Calipers	CP4527-JK
CP8540 Calipers	CP4527-DE
CP8560 Calipers	CP4527-CC
Pad Retainer	Pin
Retainer P/No.	CP8335-116
H Piece - See website for details.	
Bleed Screw Kit	CP3880-1
Fluid Pipes	
CP8530-2/4 & CP8540-6/8	- CP8530-10
CP8530-3/5 & CP8540-7/9	- CP8530-11
CP8540-2/4 & CP8560-2/4	- CP8540-10
CP8540-3/5 & CP8560-3/5	- CP8540-11

CP8530-2/4 & CP8540-6/8	- CP8530-10
CP8530-3/5 & CP8540-7/9	- CP8530-11
CP8540-2/4 & CP8560-2/4	- CP8540-10
CP8540-3/5 & CP8560-3/5	- CP8540-11

PART NUMBERS

For Black Calipers

- To suit Ø362 x 36.0mm disc.
CP5555-802S4 RHT /-803S4 LHT /-804S4 RHL /-805S4 LHL
- To suit Ø362 x 32.0mm disc.
CP5555-814S4 RHT /-815S4 LHT /-816S4 RHL /-817S4 LHL
- For Red Calipers

- add 'R2' to end of part number
e.g CP5555-2S4R2.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

CP5555

6 Piston, Suits Ø362mm Discs

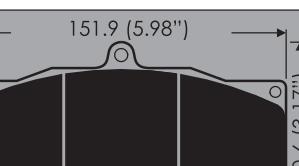
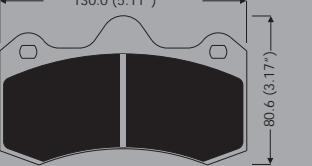


TECHNICAL SPECIFICATION

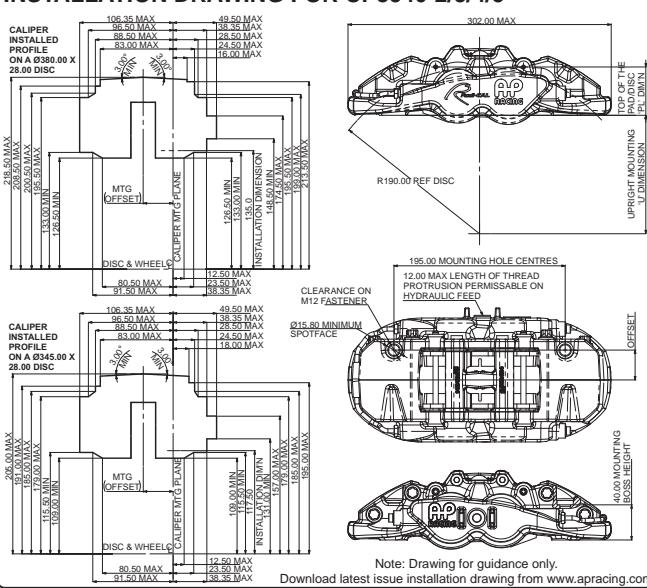
Piston Size	Ø27.0mm
	Ø31.8mm
	Ø38.1mm
Piston Area	50.1cm ²
Disc Diameter	Ø362.0mm
Disc Thickness	
-802/3/4/5S4	36.0mm
-814/5/6/7S4	32.0mm
Weight No Pads	2.8Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	152.0mm
Mounting offset	
-802/3/4/5S4	55.0mm
-814/5/6/7S4	53.2mm
Mtg hole Ø	12.1mm
'PL' Dimension	62.5mm

SPARE PARTS

Pistons	
Ø27.0mm	CP5555-108
Ø31.8mm	CP3650-107
Ø38.1mm	CP2409-124
Seal Repair Kit	CP4519-CEJ
AKB Spring Kit	- CP6518-4LBSS
Wear Plates x 4	CP5555-120
Pad Retainer	Bolt
Retainer Part No.	
-802/3/4/5S4	CP5555-109
-814/5/6/7S4	CP5555-126
Retainer Bolt Part No.	
-802/3/4/5S4	CP5200-101
-814/5/6/7S4	CP3894-139
Bleed Screw	CP3720-173
Fluid Pipes	
-802/3/4/5S4	CP5555-10
-814/5/6/7S4	CP5555-11



INSTALLATION DRAWING FOR CP8540-2/3/4/5

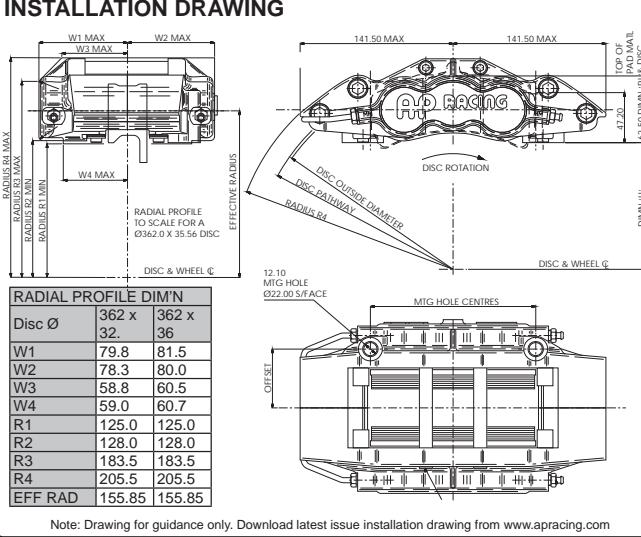


Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com



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INSTALLATION DRAWING



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

BRAKE CALIPERS - Performance Road - 6 Piston

CP5570

6 Piston, Suits Ø330mm Discs

**TYPICAL APPLICATION**

- Performance Road Front.

FEATURES

- Radial mount, 152 x 46.8mm ctrs.
- To suit Ø330mm x 28 / 32mm disc.
- Cast Aluminium alloy body.
- Aluminium alloy pistons with dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish.
- Steel wear plates.
- Pad anti-rattle clip fitted.
- Interchangeable with CP5200 caliper family.

PART NUMBERS**For Black Calipers**

- Suits Ø330 x 28mm disc.

CP5570-802S4 RHT /-803S4 LHT /-804S4 RHL /-805S4 LHL

- Suits Ø330 x 32mm disc.

CP5570-810S4 RHT /-811S4 LHT /-812S4 RHL /-813S4 LHL

For Red Calipers

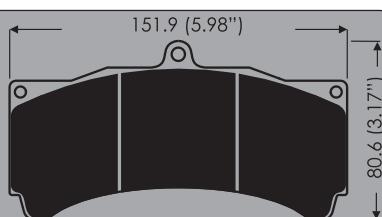
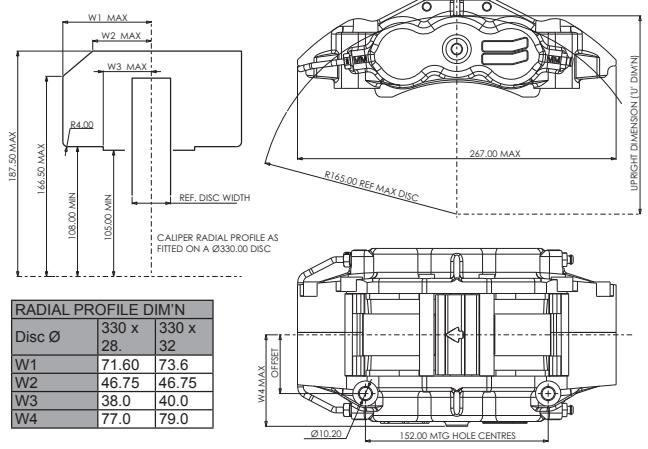
- add 'R2' to end of part number e.g CP5570-2S4R2.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP5070D51
- Pad Area = 77.2cm²
- Pad Depth = 51.5mm
- Pad Thickness = 17.0mm

**INSTALLATION DRAWING**

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

CP8310, CP8316 & CP8317

6 Piston, Heavy Duty Calipers

**TYPICAL APPLICATIONS**

- SUV.
- Heavy Duty Road.
- 4 x 4.
- Armoured Vehicles.

FEATURES

- Radial mount, 210 x 52mm ctrs.
- Suits Ø410 x 35.6mm disc.
- Large pad area.
- Suitable for higher line pressures.
- 3 different bore variants available, see table below.
- Cast Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Black or Red paint finish, protects against corrosion.
- Steel wear plates
- Pad anti-rattle clip fitted.

CALIPER HANDING

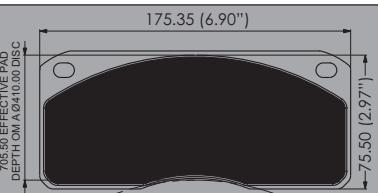
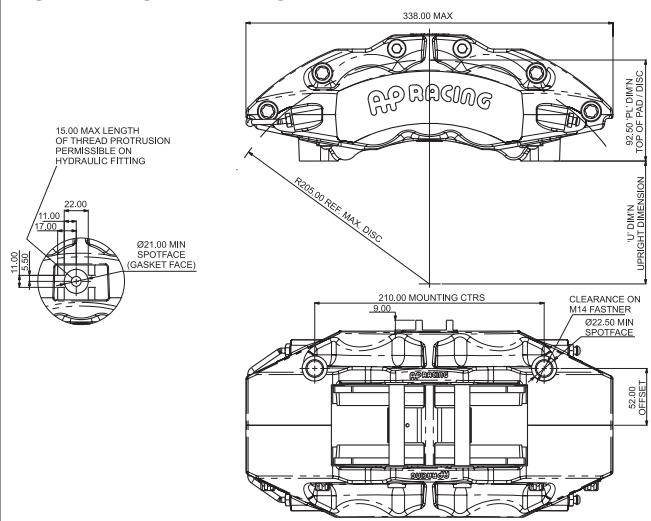
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PART NUMBERS & PISTON INFORMATION

Part No.	Piston Sizes (mm)	Piston Area
CP8310-2/-3/-4/-5S0BK	Ø27 / Ø31.8 / Ø38.1	50.4cm ²
CP8316-2/-3/-4/-5S0R2	Ø36 / Ø38.1 / Ø41.3	70.0cm ²
CP8317-2/-3/-4/-5S0BK	Ø31.8 / Ø36 / Ø38.1	59.0cm ²

PAD INFORMATION

- Pad Family = CP8310D70
- Pad Area = 109.1cm²
- Pad Depth = 70.5mm
- Pad Thickness = 17.8mm

**INSTALLATION DRAWING**

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

BRAKE CALIPERS - Performance Road & Armoured - 6 Piston

CP8520, CP8521 & CP8522 6 Piston, World Radi-CAL™ Calipers



TECHNICAL SPECIFICATION

Disc Dia. Max.	410.0mm
Disc Dia. Min.	380.0mm
Disc Thickness	36.0mm
Weight No Pads	4.65Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	195.0mm
Mounting offset	49.50
Mtg hole Ø	12.1mm
'PL' Dimension	55.0mm

TYPICAL APPLICATIONS

- Road Front or Rear.
- Factory Big Brake kit Front or Rear.

FEATURES

- Radial mount, 195mm ctrs.
- Benefits from a radical asymmetric design concept.
- Suits Ø410mm x 36mm disc.
- Forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Red or Black anti-corrosion paint finish
- Steel wear plates.
- Pad anti-rattle clip fitted.

CALIPER HANDING

It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

SPARE PARTS

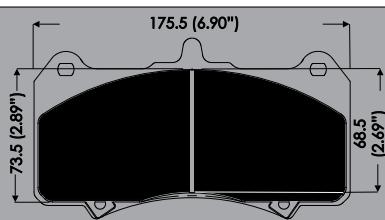
Ø27.0 - Piston	CP7555-106
Ø31.8 - Piston	CP8336-116
Ø36.0 - Piston	CP8520-107
Ø38.1 - Piston	CP8335-110
Ø41.3 - Piston	CP8335-111
Seal Repair Kits	
CP8520-2/3/4/8	CP4527-EHK
CP8521-2/3/4/5	CP4527-EEK
CP8522-2/3/4/5	CP4527-CEJ
Pad Retainer	Pin
Retainer P/No.	CP8335-116
H Piece	CP8520-106
Bleed Screw Kit	CP3880-1
Fluid Pipes	
CP8520-2 & -4	
CP8521-2 & -4	CP8520-10
CP8522-2 & -4	
CP8520-3 & -5	
CP8521-3 & -5	CP8520-11
CP8522-3 & -5	

PART NUMBERS & PISTON INFORMATION

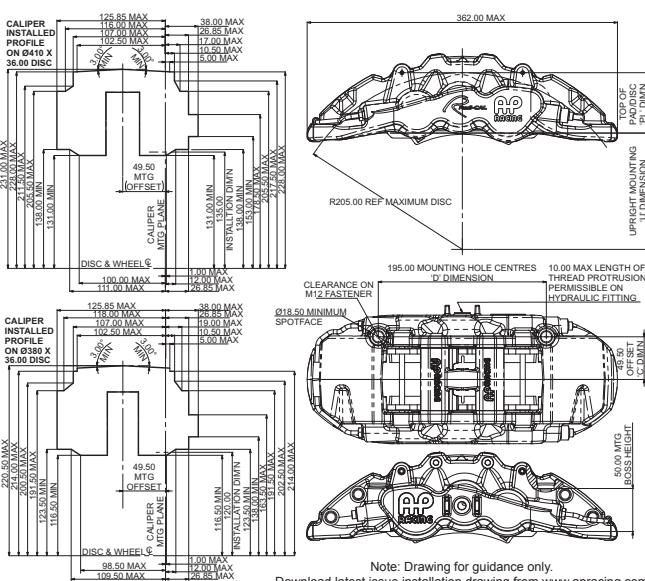
Part No.	Piston Sizes (mm)	Piston Area
CP8520-2/3-4/-5S0BK or R2	Ø31.8 / Ø36.0 / Ø41.3	62.5cm ²
CP8521-2/3-4/-5S0BK or R2	Ø31.8 / Ø31.8 / Ø41.3	58.6cm ²
CP8522-2/3-4/-5S0BK or R2	Ø27.0 / Ø31.8 / Ø38.1	50.1cm ²

PAD INFORMATION

- Pad Family = CP7555D70
- Pad Area = 108.9cm²
- Pad Depth = 70.0mm
- Pad Thickness = 16.75mm



INSTALLATION DRAWING FOR CP8520-2/3/4/5



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

CP9040

6 Piston, Two Piece Forged Body



TYPICAL APPLICATIONS

- High Performance Road.
- Factory Big Kit Caliper.

FEATURES

- Radial mount, 152mm 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.
- Steel wear plates.
- Pad anti-rattle clip fitted.

TECHNICAL SPECIFICATION

Ø27.0mm
Ø31.8mm
Ø38.1mm
50.1cm ²
Ø362.0mm
32.0mm
30.0mm
3.7Kg
M10x1.0
Radial
152.0mm
53.2
12.1mm
68.8mm

SPARE PARTS

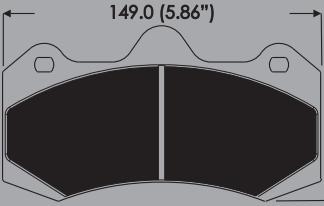
Ø27.0 - Piston	CP9040-109
Ø31.8 - Piston	CP6696-124
Ø38.1 - Piston	CP6695-124
Seal Repair Kit	CP4527-CEJ
Pad Retainer	Tubes
Retainer Part No.	CP5555-157
Pad retaining pins	CP8335-116
Bleed Screw	CP3880-1
Fluid Pipe	CP9040-10
Anti-Rattle Clip	CP9040-108

CALIPER HANDING

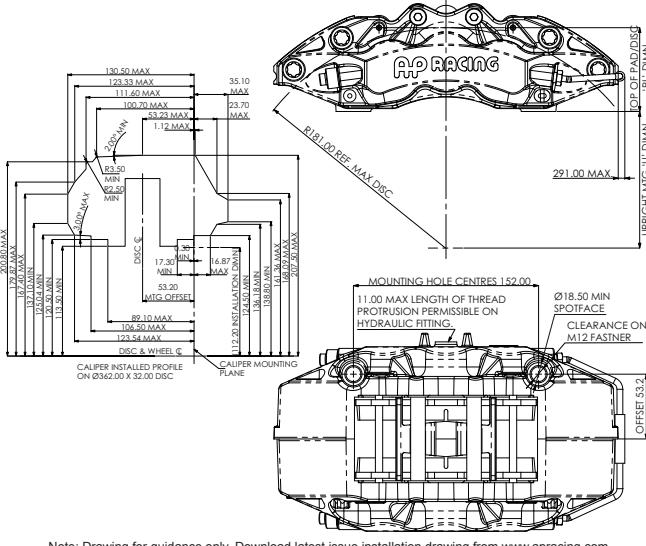
It is important to select the correct 'hand' of caliper. See note on page 4 for guidance.

PAD INFORMATION

- Pad Family = CP7040D61
- Pad Area = 72.50cm²
- Pad Depth = 61.0mm
- Pad Thickness = 16.8mm



INSTALLATION DRAWING



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

BRAKE CALIPERS - Technical Information & Replacement Caliper Seals

RECOMMENDED TIGHTENING TORQUES.

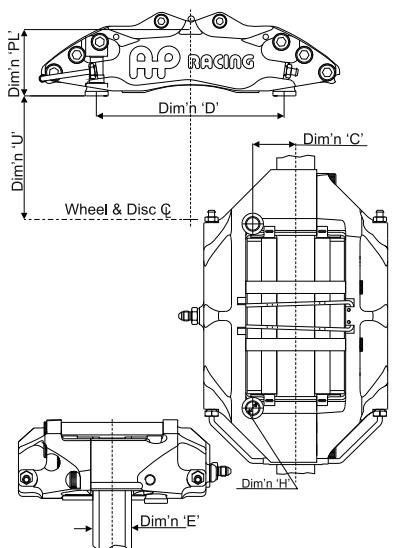
AP Racing recommended tightening torques:

- M6 & $\frac{1}{4}$ 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.

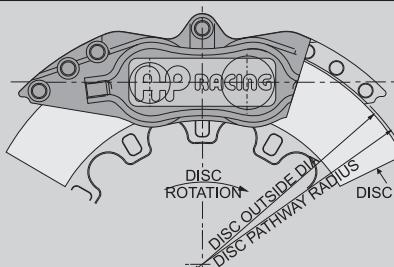
Dim'n	Descriptions
PL	Top of the pad material to mounting hole boss face, (hole centre-line on lug type calipers).
C	Offset - Disc centre line to centre of mounting hole (mounting face on lug type calipers)
D	Mounting hole centres.
H	Mounting hole diameters.
E	Disc width.
U	Wheel centre to caliper mounting hole boss. (disc diameter / 2 - 'P1' dimension).



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 ($\varnothing 280\text{mm}$ 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
	CP6518-7LBL	4 x CP2667-113
	CP6518-9LBL	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

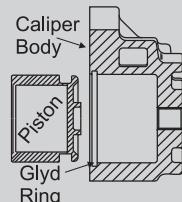
REPLACEMENT CALIPER SEALS

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 pages 33 to 39.

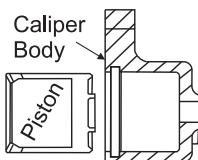
CP4509 (SEAL ON PISTON)

- 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.



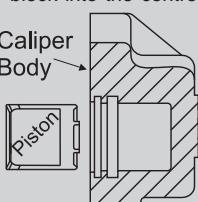
CP4518 & CP8518 (SEAL IN BORE)

- 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.

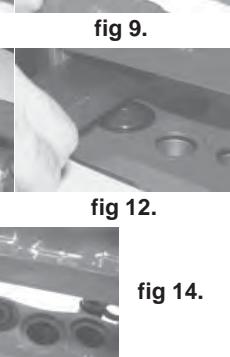


fig 12.

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 table on pages 34 to 39.

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.

