



- GENERAL INFORMATION.
  - PRO 5000 /?.
  - FORMULA CAR.
    - □ GT.
    - RALLY.
  - TOURING CAR.
    - 2 PISTON.
  - HISTORIC RACE.
    - MOTORCYCLE.
- PERFORMANCE ROADCAR.
- TECHNICAL INFORMATION.
- REPLACING CALIPER SEALS.

## 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 /c, Formula cars, GT, Rally, Touring Cars, 2 Piston, Historic, Motorcycle and Road Car.

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

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

#### **ROAD OR RACE?**

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

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

#### **DESIGN & DEVELOPMENT.**

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

#### Radi-CAL™

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

#### STANDARD CALIPER FEATURES.

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

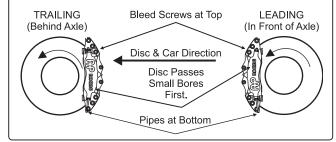
#### CALIPER, SEALS & TEMPERATURE.

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

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

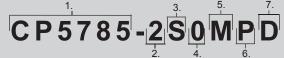
#### CALIPER HANDING.

- Calipers are available to suit installation in front (Leading) or behind (Trailing) the axle.
- The following abbreviations are used in this publication:-
- RHT = Right Hand Trailing. LHT = Left Hand Trailing.
- RHL = Right Hand Leading. LHL = Left Hand Leading.
- Bleed screws must always be positioned at the top.
- Discs must always pass the small piston first on differential bore calipers.
- Cross over pipes must always be positioned at the bottom.



#### PART NUMBERING SYSTEM.

An explanation of a Brake Caliper part number;



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

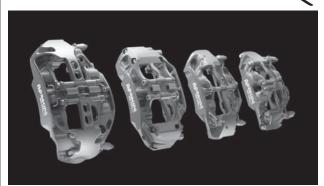
#### SERVICING AND RECONDITIONING.

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

#### DRY BLEED SYSTEMS (DRY BREAKS).

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





#### INTRODUCTION.

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

**Pro 5000** ∕€ was developed from our experience in all areas of motorsport, the new forged designs feature the latest innovations from of our pioneering asymmetric design concept.

Manufactured with the same ideology as Pro 5000+ this range offers the same costing benefits but will not directly replace Pro 5000+. It should be noted that there are dimensional differences between + and ranges and all installations require checking before specifying.

- The range consists of 13 caliper variants and 16 different discs, which cover 6 & 4 piston calipers and ventilated discs from Ø390mm to Ø280mm and 36mm down to 18mm thickness.
- The 13 caliper variants are based on radially mounted two piece forged aluminium calipers and are fitted with 4lb anti-knockback springs (where applicable) with stainless steel pistons on all.
- All calipers run full depth pads.
- The discs are available with a straight or curved grooved or 'J' Hook face configurations.
- The main objective of the range is to provide a high quality "off the shelf" Radi-CAL™ brake system at a competitive price. The range will be kept to the part numbers listed in this catalogue and no variations are available.
- Alternative strength anti-knockback springs are available, please refer to AP Racing for details.
- This section provides the basic installation dimensions for both the calipers and the discs, if further information is required please contact AP Racing Technical Section.

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

#### **CUSTOMER NOTES**

# CP9440 & CP9441 4 Piston, Radi-CAL™



#### TYPICAL APPLICATION

■ General competition use

#### **FEATURES**

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

#### PART NUMBERS

- RH, CP9440-2S4L.
- LH, CP9440-3S4L.
- Smaller bore version Part Nos.
- RH, CP9441-2S4L. - LH, CP9441-3S4L.
- **Note:** For handing information check Installation drawing at: www.apracing.com

TECHNICAL SP	ECIFICATION	
Piston Sizes		
CP9440-2/3	Ø36.0mm x 2	
CP9440-2/3	Ø41.3mm x 2	
CP9441-2/3	Ø31.8mm x 2	
CP944 1-2/3	Ø36.0mm x 2	
Piston Area		
CP9440-2/3	47.12cm <sup>2</sup>	
CP9441-2/3	36.19cm <sup>2</sup>	
Weight No Pads		
CP9440-2/3	2.16Kg	
CP9441-2/3/	2.1Kg	
Hydraulic Thread	M10x1.0	
Mounting Type	Radial	
Mta centres	152.0mm	

44.0mm

57 8mm

12.15mm

T E DITTICTISION	07.011111
SPARE PARTS	
CP9440 Pistons	
Ø36.0 Pistons	CP9440-107
Ø41.3 Pistons	CP9440-106
CP9441 Pistons	
Ø31.8 Pistons	CP9441-101
Ø36.0 Pistons	CP9440-106
Seal Repair Kit -	
CP9440	CP8518-HK
CP9441	CP8518-EH
RH - Wear Plate	CP9440-108
LH - Wear Plate	CP9440-109
Bleed Screw Kit	CP3880-1

Mounting offset

'PI' Dimension

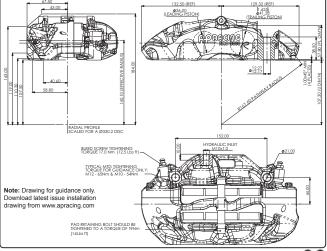
Mtg hole Ø

PAD INFORMATION		
Pad Family - See page 52 for Profile.	CP3215D50	
Pad Area	57.4cm <sup>2</sup>	
Pad Volume	70.44cm <sup>3</sup>	
Pad Thickness	16.8mm	

#### BRAKE DISC INFORMATION

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

#### **CP9440 - INSTALLATION DRAWING**





### BRAKE CALIPERS - PRO 5000 R

# CP9444 & CP9445

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



#### TYPICAL APPLICATION

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

#### **FEATURES**

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

#### **PART NUMBERS**

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

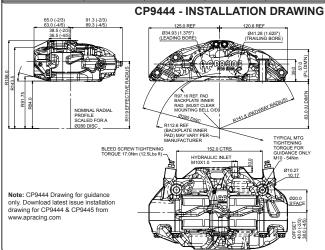
Note: It is important to select the correct hand of caliper, see page 4 for guidance.

<b>TECHNICAL SPECIFICATION</b>				
Piston Sizes				
CP9444-2/3/4/5	Ø34.9mm x 2			
	Ø41.3mm x 2			
CP9445-2/3/4/5	Ø31.8mm x 2			
CP9445-2/3/4/5	Ø38.1mm x 2			
Piston Area				
CP9444-2/3/4/5 45.9cm <sup>2</sup>				
CP9445-2/3/4/5	38.9cm <sup>2</sup>			
Weight No Pads				
CP9444-2/3/4/5	1.86Kg			
CP9445-2/3/4/5	1.85Kg			
Hydraulic Thread	M10x1.0			
Mounting Type	Radial			
Mtg centres	152.0mm			
Mounting offset's				
CP9444 & 5-2/3S	CP9444 & 5-2/3S0L = 40.0mm			
CP9444 & 5-4/5S0L = 38.0mm				
Mtg hole Ø	10.0mm			
'PL' Dimension	57.0mm			
SPARE PARTS				
Ø31.8 Pistons	CP9444-108			
Ø34.9 Pistons CP9444-110				

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

PAD INFORMATION			
Pad Family - See page 51 for Profile.	CP3215D42		
Pad Area	48.3cm <sup>2</sup>		
Pad Volume	60.9cm <sup>3</sup>		
Pad Thickness	16.75mm		

#### VENTILATED BRAKE DISC INFORMATION CP4448-CP4448-CP3947 CP3947-Part Number. 138/139CG4 140/141CG4 208/209CG4 210/211CG4 Ø280.0 Ø280.0 Diameter. Ø280.0 Ø280.0 18.0 **Thickness** 21.0 22.0 25.4 PCD. 175.0 175.0 175.0 175.0 Eye Diameter 193.44 193.44 193.44 193.44 Inside Flange Ø. 151 0 151 0 151 0 151 0 Flange Thickness 4.325 5.625 5.05/5.00 6.35/6.30 8 - Floating 8 - Floating Mounting Holes 8 - Floating 8 - Floating Bobbin P/No CP2494-595MA CP2494-589MJ CP2494-504MP CP2494-592MC Airgap 8.0 8.0 10.5 10.5 No of Vanes 47 47 48 48 Disc Weight. 2.8 3.5 3.3 4.1 Face Depth. D42 D42 D42 D42



# CP9446

4 Piston, Radi-CAL™ - 180mm ctrs



#### TYPICAL APPLICATION

■ General competition use.

#### **FEATURES**

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

#### PART NUMBERS

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

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

TECHNICAL SPECIFICATION			
Piston Sizes	Ø34.9mm x 2 Ø41.3mm x 2		
Piston Area	45.6cm <sup>2</sup>		
Weight No Pads	2.23Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	180.0mm		
Mounting offset	35.0mm		
Mtg hole Ø	12.00mm		
'PL' Dimension	58.0mm		
SPARE PARTS			
D:-4			

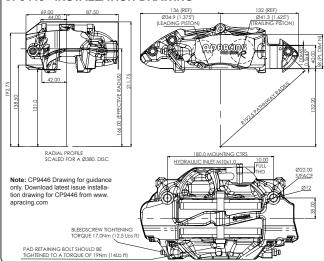
SPARE PARTS			
Pistons			
Ø34.9 Pistons	CP9444-110		
Ø41.3 Pistons	CP9444-111		
Seal Repair Kit -	CP8518-GK		
RH - Wear Plate	CP9446-110		
₋H - Wear Plate	CP9446-111		
Bleed Screw Kit	CP3880-1		

PAD INFORMATION			
Pad Family - See page 55 for Profile.	CP6820D48		
Pad Area	63.2cm <sup>2</sup>		
Pad Volume	101.12cm <sup>3</sup>		
Pad Thickness	16.0mm		

#### **BRAKE DISC INFORMATION**

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

#### **CP9446 - INSTALLATION DRAWING**



Mounting offset

'PL' Dimension

Mtg hole Ø

# **?**

## CP9448

AP RACING

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



#### **TYPICAL APPLICATION**

■ Front - General competition use.

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

# TECHNICAL SPECIFICATION Dieton Sizes Ø38.1mm x 2

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

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

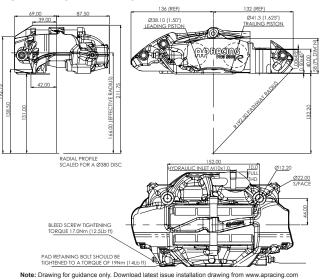
#### PAD INFORMATION

Pad Family - See page 52 for Profile.	CP3215D46
Pad Area	48.3cm <sup>2</sup>
Pad Volume	60.9cm <sup>3</sup>
Pad Thickness	16 75mm

#### BRAKE DISC INFORMATION

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

#### **INSTALLATION DRAWING**



# CP9449 / CP9450 / CP9451

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



#### TYPICAL APPLICATION

■ Rear - General competition use.

#### **FEATURES**

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

#### **PART NUMBERS**

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

#### Ø27.0 / Ø31.8 bore versions.

- RH, CP9450-2S4L.
- LH, CP9450-3S4L.

#### ■ Ø25.4 / Ø28.6 bore versions.

- RH, CP9451-2S4L.

- LH, CP9451-3S4L.

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

TECHNICAL SPI	ECIFICATION	
I ECITIVICAL OF	LOII IOATION	
Piston Sizes (in mi	m)	
CP9449-2/3 - Ø28	.6x2 / Ø34.0x2	
CP9450-2/3 - Ø27.0x2 / Ø31.8x2		
CP9451-2/3 - Ø25.4x2 / Ø28.6x2		
Piston Area		
CP9449-2/3	30.9cm <sup>2</sup>	
CP9450-2/3	27.2cm <sup>2</sup>	
CP9451-2/3	22.8cm <sup>2</sup>	
Weight No Pads	2.20Kg	
Hydraulic Thread	M10x1.0	
Mounting Type	Radial	
Mta centres	152.0mm	

44.0mm

10.20mm

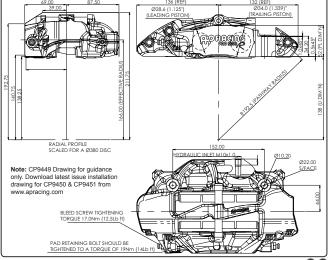
52.0mm

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

PAD INFORMATION		
Pad Family - See page 52 for Profile.	CP3215D46	
Pad Area	48.3cm <sup>2</sup>	
Pad Volume	60.9cm <sup>3</sup>	
Pad Thickness	16.75mm	

BRAKE DISC INFORMATION		
CP5914-116/7G12	CP5914-110/1G8	CP5772-1010/1GA
Ø378.0	Ø378.0	Ø378.0
28.0	28.0	32.0
Ø260.3mm	Ø260.3mm	Ø260.4mm
Ø282.0mm	Ø282.0mm	Ø282.0mm
Ø235.5mm	Ø235.3mm	Ø235.35mm
5.62mm	5.62mm	5.6mm
12 - Bolted	12 - Floating	12 - Floating
N/A	CP2494-589MJ	CP2494-589MJ
13.5mm	13.5mm	19.5mm
48	48	72
6.1Kg	6.28Kg	6.2Kg
D46	D46	D46
	CP5914-116/7G12 Ø378.0 28.0 Ø260.3mm Ø282.0mm Ø235.5mm 5.62mm 12 - Bolted N/A 13.5mm 48 6.1Kg	CP5914-116/7G12         CP5914-110/1G8           Ø378.0         Ø378.0           28.0         28.0           Ø260.3mm         Ø260.3mm           Ø282.0mm         Ø282.0mm           Ø235.5mm         Ø235.3mm           5.62mm         12 - Floating           N/A         CP2494-589MJ           13.5mm         13.5mm           48         48           6.1Kg         6.28Kg





### CP9660

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



#### **TYPICAL APPLICATION**

■ General competition use.

#### **FEATURES**

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

#### PART NUMBERS

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

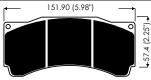
**Note:** For handing information check Installation drawing at: www.apracing.com

#### TECHNICAL SPECIFICATION Ø27.0mm x 2 Piston Sizes Ø31.8mm x 2 Ø38.1mm x 2 Piston Area 50.1cm<sup>2</sup> Weight No Pads 2.78Kg Hydraulic Thread M10x1.0 Mounting Type Radial 180.0mm Mta centres 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. - CP6518-4LBSZ Pad Retainer - CP9660-113 x 2 Ret/Bolt P/No - CP3596-112ST

Pad Retainer - CP9660-113 x 2		
Ret/Bolt P/No CP3596- 112ST		
RH - Wear Plate	CP9660-110	
LH - Wear Plate	CP9660-111	
Bleed Screw Kit   CP3880-1		
DAD INCODMATION		

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



# CP9665 6 Piston, Radi-CAL™ - 210mm ctrs



#### **TYPICAL APPLICATION**

■ General competition use.

#### **FEATURES**

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

#### PART NUMBERS

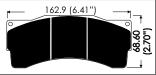
- RH, CP9665-2S7L.
- LH, CP9665-3S7L.

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

<b>TECHNICAL SPECIFICATION</b>		
	Ø27.0mm x 2	
Piston Sizes	Ø31.8mm x 2	
	Ø38.1mm x 2	
Piston Area	50.1cm <sup>2</sup>	
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	

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

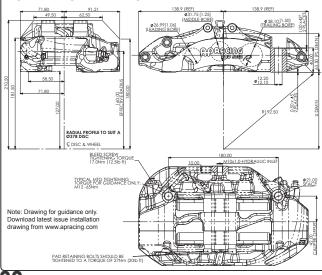
PAD INFORMATION		
CP6230D54		
81.6cm <sup>2</sup>		
164.3cm <sup>3</sup>		
25.0mm		



#### **VENTILATED BRAKE DISC INFORMATION**

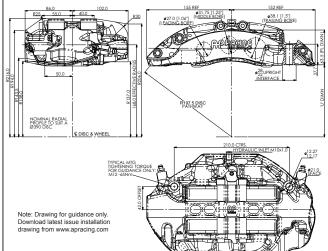
- Part Number.	CP5772-1032/-1033G8	CP5000-218/-219CG8
- Diameter.	Ø378.0	Ø356.0
- Thickness.	36.0	32.0
- PCD.	Ø240.0	Ø228.6
- Eye Diameter	Ø266.0	Ø250.4
- Inside Flange Ø.	Ø215.0	Ø214.0
- Flange Thickness.	5.6mm	5.3mm
- Mounting Holes.	12 - Floating	12
- Mounting Hole Ó.	Bobbin - CP2494-589MJ	6.4mm
-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

#### INSTALLATION DRAWING



#### VENTILATED BRAKE DISC INFORMATION

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



### CP9668

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



#### TYPICAL APPLICATION

■ General competition use

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

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

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

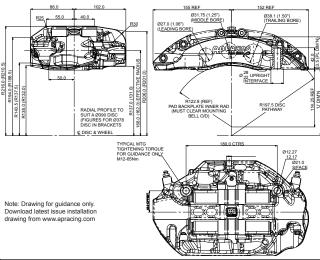
PAD INFORMATION		
Pad Family	CP3558D54	
Pad Area	77.4cm <sup>2</sup>	
Pad Volume	155.8cm <sup>3</sup>	
Pad Thickness	25.0mm	



#### **VENTILATED BRAKE DISC INFORMATION**

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

#### INSTALLATION DRAWING



# CP5567 4 Piston, Forged Radi-CAL™



#### **TYPICAL APPLICATION**

■ Front & Rear for 13" wheels.

#### **FEATURES**

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

#### **PART NUMBERS**

#### ■ With Aluminium Pistons.

- Right Hand, CP5567-2S4.
- Left Hand, CP5567-3S4.

#### □ With Stainless Steel Pistons.

- Right Hand, CP5567-2S4L. - Left Hand, CP5567-3S4L.

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

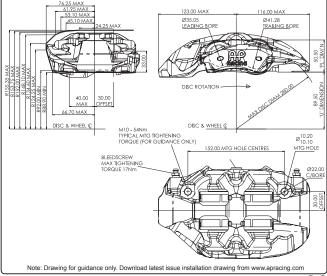
<b>TECHNICAL SPECIFICATION</b>			
Piston Sizes	Ø34.9mm		
	Ø41.3mm		
Piston Area	45.92cm <sup>2</sup>		
Disc Diameter	Ø280.0mm		
Disc Thickness	25.4mm		
Weight No Pads	1.62Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	152.0mm		
Mtg offset	30.0mm		
Mtg hole Ø	10.15mm		
'PL' Dimension	50.51mm		

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

#### PAD INFORMATION

- Pad Family = CP3345D44
- Pad Area = 43.4cm<sup>2</sup>
- Pad Depth = 44.1mm
- Pad Thickness = 16.0mm





# 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 bells and pads) available, overall corner weight 4.37kg.

#### **PART NUMBERS**

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

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

**TECHNICAL SPECIFICATION** 

Piston Sizes	Ø25.4mm
	Ø31.8mm
Piston Area	25.97cm <sup>2</sup>
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

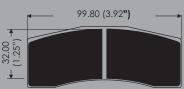
#### SPARE PARTS **Pistons** CP7031-113 Ø26.0mm

Ø31.8mm	CP7031-108
Seal Repair Kit	CP4518-AE
Wear Plates	
Pad x 4	CP3307-222
Ctr Beam x 1	CP7031-106

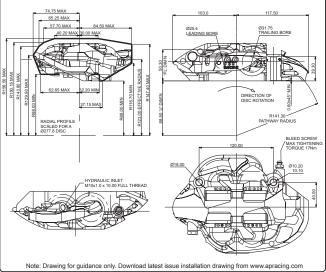
Bleed Screw Kit CP3880-1

### PAD INFORMATION - Pad Family = CP7031D32

- Pad Area = 30.35cm<sup>2</sup>
- Pad Depth = 32.0mm
- Pad Thickness = 15.75mm



#### INSTALLATION DRAWING



# 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.

#### 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.

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

#### **TECHNICAL SPECIFICATION** Ø27.0mm Piston Sizes Ø31.8mm Ø38.1mm Piston Area 50.1cm<sup>2</sup> Ø378.0mm Disc Diameter 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

12.2mm

63 5mm

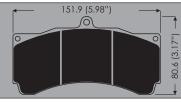
Mtg hole Ø

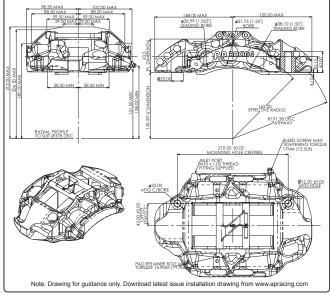
'PL' Dimension

SPARE PARTS		
Pistons		
Ø27.0mm	CP5260-109	
Ø31.8mm	CP5260-110	
Ø38.1mm	CP5260-111	
Seal Repair Kit	CP4518-CEJ	
AKB Spring Kit	CP6518-	
	7LBLL	
Z Piece Pad Re-	RH- CP5095-112	
tainer Part No	LH - CP5095-113	
Wear Plates x 4	CP6075-105	
Bleed Screw kit	CP3880-1	

#### PAD INFORMATION

- Pad Family = CP3558D54
- Pad Area = 77.4cm<sup>2</sup>
- Pad Depth = 54.0mm
- Pad Thickness = 25.0mm





# ?

# CP6078 & CP6077 6 Piston, Billet Radi-CAL™



#### TYPICAL APPLICATION

■ GT Cars Front & Rear.

#### **FEATURES**

- □ CP6077 Small bore version.
- Radial mount, 210 x 42mm ctres.
- 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.

#### **CP6078 PART NUMBERS**

- RH. CP6078-4S7MPD.
- LH, CP6078-5S7MPD.

#### **CP6077 PART NUMBERS**

- RH, CP6077-4S7MPD. - LH, CP6077-5S7MPD.

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

# TECHNICAL SPECIFICATION

Ø27.0mm Ø31.8mm
Ø38.1mm
Ø26.0mm
Ø27.0mm
Ø31.8mm

Piston Area	
CP6078	50.1cm <sup>2</sup>
CP6077	37.9cm <sup>2</sup>
Disc Diameter	Ø355.0mm
Disc Thickness	Iron - 36.0mm Car - 35.0mm
Weight No Pads	2.25Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	42 0mm

SPARE PARTS	
Piston-Ø26.0mm	CP6057-104
Piston-Ø27.0mm	CP6055-110
Piston-Ø31.8mm	CP6055-111
Piston-Ø38.1mm	CP6055-112
Wear Plates. x 4	CP6075-105
Beam W/Plate	CP6078-104
Pad Supports	CP6078-105
Seal Repair Kit - See	Piston Sizes above

12.15mm

63.5mm

Pad Supports	CP6078-105
Seal Repair Kit - See Piston Sizes above	
TAKE Shring Kit	CP6518-7LB
	SSL
Dry-Bleed Fitting	CP6300-21
Duct Kit	CP6078-107

#### **AVAILABLE OPTIONS**

Thermo Sensor

Mtg hole Ø

'PL' Dimension

RH = CP6282-2 / LH = CP6282-3

#### CP4240 CARBON PAD

- Area = 78.12cm<sup>2</sup>
- Depth = 53.0mm
- Thickness = 25.0mm

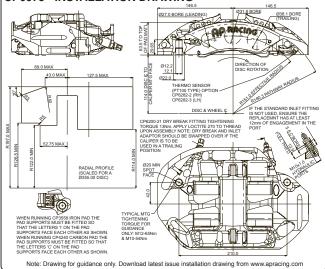


#### CP3558D54 IRON PAD

- Area = 80.17cm<sup>2</sup>
- Depth = 54.0mm
- Thickness = 25.0mm



#### **CP6078 - INSTALLATION DRAWING**



# CP6083

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



#### TYPICAL APPLICATION

■ All GT / Endurance Classes

#### **FEATURES**

design concept.

- Radial mount, 210 x 42mm Ctrs. ■ Benefits from radical asymmetric
- 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.

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

<b>TECHNICAL SP</b>	<b>ECIFICATION</b>
Piston Sizes	Ø27.0mm
	Ø31.8mm
	Ø38.1mm
Piston Area	50.1cm <sup>2</sup>
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**

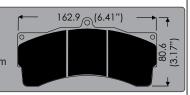
Thermo Sensor

RH = CP6282-2

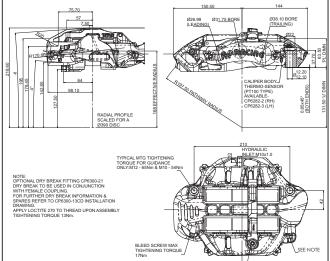
LH = CP6282-3

#### CP6210D54 IRON PAD

- Area = 83.0cm<sup>2</sup>
- Depth = 54.0mm
- Standard Thickness = 30.0mm
- Special Thickness = 32.0mm



#### **INSTALLATION DRAWING**



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

**TECHNICAL SPECIFICATION** 

Ø27.0mm

Ø31.8mm Ø38.1mm

50.1cm<sup>2</sup>

32.0mm

1.95Kg

Radial 210.0mm

M10x1.0

42.0mm

12.15mm

CP6169-108

CP4969-139

CP6169-106

CP6169-113

CP4518-CEJ

CP6518-7LB

CP6300-21

CP6169-110

CP6720-162

CP4969-54

CP4969-55

SSL

or -111

63.5mm

378.0mm

# 6 Piston, Slimmed Radi-CAL™

Piston Sizes

Piston Area

Disc Diameter

Disc Thickness

Weight No Pads

Hydraulic Thread

Mounting Type

'PL' Dimension

**SPARE PARTS** 

Ø27.0 - Piston

Ø31.8 - Piston

Ø38.1 - Piston

Wear Plates. x 4

Seal Repair Kit

AKB Spring Kit

Dry-Bleed Fitting

Carbon Cooling

Upper Mtg Bush

Thermo Sensor

LDVT Rod & Yoke

Assy Spares.

LDVT Assy

Complete.

**AVAILABLE OPTIONS** 

- PT100 Type CP6282-6 - PT1000 Type CP6282-7

Duct

Mtg centres

Mtg offset

Mtg hole Ø



#### TYPICAL APPLICATION

■ All GT / Endurance Sprint Classes

CP6169 has been designed for narrow carbon stack of 76mm

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

# 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.

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

TECHNICAL SP	<b>ECIFICATION</b>
Piston Sizes	Ø31.75mm
	Ø33.8mm
	Ø41.3mm
Piston Area	60.75cm <sup>2</sup>
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

T E DIFFICTION	00.011111
SPARE PARTS	
Ø31.75 - Piston	CP6268-104
Ø34.0 - Piston	CP6268-105
Ø41.3 - Piston	CP6268-106
Seal Repair Kit	CP8518-EFK
Pad Abutment Pla	tes
Leading x 2	CP6269-102
Trailing x 2	CP6269-103
Pad Supports	CP6269-104
M4 Pad Support	CP3215-115
Cap Heads x 8	OF 32 13-113
H Piece Pad	CP6268-20
Retainer Kit	01 0200-20
Quick Release	
(Clip) Pad Retainer	CP6268-21
Kit.	
AKB Spring Kit	CP6518-7LB
	SSL
Bleed Screw	CP3880-1

#### PAD INFORMATION

- PAD FAMILY = CP6169
- Full Pad Area = 80.5cm<sup>2</sup>
- Pad Depth = 53.0mm
- Pad Thickness = 22.0mm

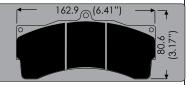


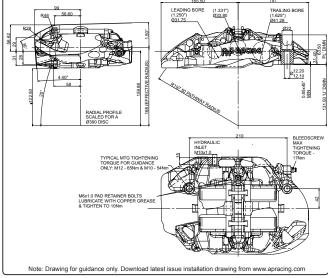
# INSTALLATION DRAWING CALIPER BODY THERMO-SENSOR AVAILABLE - CP6282-6 (PT100 TYPE) CP6282-7 (PT1000 TYPE) RETAINING SCREW CP3555-188 (M4 X 6) A DRY-BREAK CONNECTOR IS FITTED AS STANDARD, TIGHTENING TORQUE - VALVE INTO BODY - 13Nm / CAP ONTO VALVE - 4Nm APPLY SMALL AMOUNT OF LOCTITE 270 TO THREAD OF VALVE UPON ASSEMBLY ONTO BODY MATING PART - CP6300-32 FITTING (BLEED SYSTEM)

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

#### CP6210D54 IRON PAD

- Area = 83.0cm<sup>2</sup>
- Depth = 54.0mm
- Thickness = 30.0mm





# CP6277 6 Piston, Billet Radi-CAL™

Piston Sizes

Piston Area

Disc Diameters

Disc Thicknesse

Weight No Pads

Hydraulic Thread

Mounting Type

'PL' Dimension

**SPARE PARTS** 

Ø27.0 - Piston

Ø31.8 - Piston

Ø38.1 - Piston

Wear Plates. x 4

Lower Mtg Bush

Seal Repair Kit

Insulating Piston

AKB Spring Kit

Dry-Bleed Fitting

LDVT Assy

LVDT Rod &

Yoke S/Assy

**AVAILABLE OPTIONS** 

**CP2872 CARBON** 

**PADS** 

Note: Range of thicknesses

available, see caliper installation

drawing on www.apracing.com for

guidance & part numbers.

Cap Kit

Mtg centres

Mtg offset

Mtg hole Ø

(mm)

Iron

Iron

Carbon

Carbon



#### TYPICAL APPLICATION

■ All GT / Endurance Classes

#### **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.
- Designed to operate on Carbon or Iron Discs.
- Internally ported.
- Titanium pistons.
- Carbon duct fitted.
- Dry Bleeds fitted.
- Optional Ceramic piston insulation caps available.

#### **PART NUMBERS**

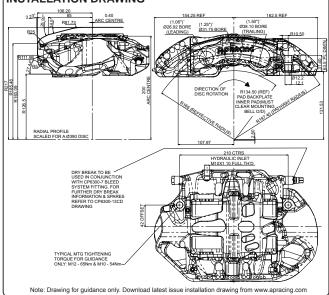
- RHT, CP6277-2S7MP.
- LHT, CP6277-3S7MP.

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

#### CP6276 & CP6277 IRON **PADS**

Note: Range of thicknesses available allowing for piston caps, see caliper installation drawing on www.apracing.com for guidance & part numbers.

#### INSTALLATION DRAWING



# **CP6278** 4 Piston, Billet Radi-CAL™ Rear

#### **TYPICAL APPLICATION**

■ Rear for All GT / Endurance Classes

#### **FEATURES**

Ø27 0mm

Ø31 8mm

Ø38.1mm

Ø390.0mm

Ø380.0mm

35.6mm

37 0mm

2.48Kg

Radial

M10x1.0

210.0mm

42.0mm

12.15mm

63.5mm

CP6277-104

CP6277-105

CP6277-106

CP6277-109

CP6277-108

CP4518-CEJ

CP4825-CEJ

CP6518-7LB

CP6300-21

CP4969-506

CP4969-507

SSL

50.1cm<sup>2</sup>

- Radial mount, 180 x 42mm Ctrs.
- Benefits from radical asymmetric design concept.
- Superior dynamic performance.
- Designed to operate on Carbon or Iron Discs.
- Monobloc Aluminium alloy body. ■ Ducted air cooling,
- reduces caliper temperatures.
- Calipers are supplied with pistons to suit a 25mm thick brake pad.
- Titanium pistons.
- Internally ported.
- Optional Dry-Bleed fittings & body Thermo-Sensor.
- Optional Ceramic piston insulation caps available when used with a 32mm brake disc.

#### **PART NUMBERS**

- RH, CP6278-2S7MP.
- LH. CP6278-3S7MP.

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



TECHNICAL SP	<b>ECIFICATION</b>
Piston Sizes	Ø28.6mm
FISION SIZES	Ø36.0mm
Piston Area	33.2cm <sup>2</sup>
Disc Diameter	Ø355.0mm
Disc Thickness	
Iron	32.0mm
Carbon	35.0mm
Weight No Pads	1.9Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	180.0mm
Mtg offset	42.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

SPARE PARTS	
Ø28.6 - Piston	CP6278-104
Ø36.0 - Piston	CP6278.105
Seal Repair Kit	CP4518-DH
Wear Plates. x 4	CP6278-106
AKB Spring Kit - C	P6518-7LBSSL
Dry-Bleed Fittings	CP6300-21

AVAILABLE OPTIONS	
LVDT Assy	CP4969-504
LVDT Rod &	CP4969-505
Yoke S/Assy	CP4909-505

#### CP6070D49 IRON PAD

- Area = 61.6cm<sup>2</sup>
- Depth = 49.0mm
- Thickness = 25.0mm

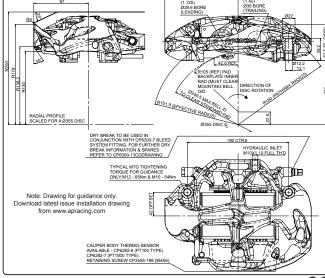


#### CP6070 CARBON PAD

- Area = 61.6cm<sup>2</sup>
- Depth = 53mm
- Thickness = 25.0mm



#### IRON DISC INSTALLATION DRAWING







#### TYPICAL APPLICATION

■ Rear for All GT / Endurance Classes.

#### **NOTE**

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

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

#### **TECHNICAL SPECIFICATION**

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

# **SPARE PARTS**

1020.0 - PISION	CP0460-104
Ø36.0 - Piston	CP6286-134
Seal Repair Kit	CP4518-DH
Pad Retainer	H Piece
Retainer Part No.	
Right Hand	CP6480-106
Left Hand	CP6480-107
Wear Plates. x 4	CP6470-106
Pad Supports x 4	CP6270-101
AKB Spring Kit	CP6518-7LB
	SSL
Bleed Screw kit	CP3880-1

#### **AVAILABLE OPTIONS**

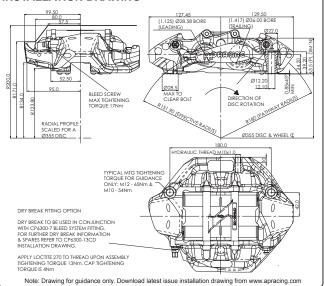
Dry-Bleed Fittings | See Page 86

#### PAD INFORMATION

- PAD FAMILY = CP6070D49
- Pad Area = 61.6cm<sup>2</sup>
- Pad Depth = 49.0mm Pad Thickness = 25.0mm



#### INSTALLATION DRAWING



# CP6720 & CP6730 4 Piston, Front or Rear



#### TYPICAL APPLICATIONS

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

#### **FEATURES**

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

#### PART NUMBERS

#### □ CP6720 Type.

- RHT, CP6720-6S4.
- LHT, CP6720-7S4.
- RHL, CP6720-8S4. - LHL, CP6720-9S4.

#### ■ CP6730 Type.

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

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



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

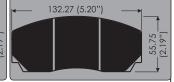
#### **CP3215D46 PAD**

- Pad Area = 54.6cm<sup>2</sup>
- Pad Depth = 45.6mm
- Pad Thickness = 16.8mm

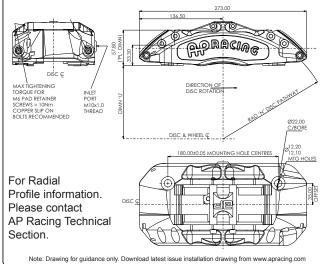


#### CP3215D50 PAD

- Pad Area = 57.4cm<sup>2</sup>
- Pad Depth = 50.3mm
- Pad Thickness = 16.8mm



#### **CP6720 - INSTALLATION DRAWING**



Visit www.apracing.com for full & up to date product range

#### **BRAKE CALIPERS - Rally**

# CP6750 - 6 Piston, Front

AP RACING

#### **TYPICAL APPLICATIONS**

- Rally Raid.
- Tarmac Rally.

#### **FEATURES**

- Radial mount, 180 x 35mm ctrs.
- Suits Ø320mm x 32 / 28mm disc.
- Aluminium alloy body.
- Internally ported.
- no external bridge pipes.
- Stainless Steel pistons.
- Dirt Seals fitted.
- Protected bleedscrews.
- H/Piece pad retainer.
- 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 RHI
- CP6750-9S4L LHL.

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

T	ECHNICAL SP	ECIFICATIO
		Ø27.0mm
F	Piston Sizes	Ø31.8mm
		Ø38.1mm
F	Piston Area	50.1cm <sup>2</sup>
	Disc Diameter	Ø320.0mm
	Disc Thickness	
	CP6750-2/3/4/5	28.0mm
C	CP6750-6/7/8/9	32.0mm
٧	Veight No Pads	3.0Kg
Н	Hydraulic Thread	M10x1.0
Λ	Nounting Type	Radial
Λ	/Itg centres	180.0mm
Λ	/Itg offset	
	CP6750-2/3/4/5	35.0mm
C	CP6750-6/7/8/9	37.0mm
Λ	/Itg hole Ø	12.15mm
ʻI	PL' Dimension	62.5mm

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

CP6750-110 x 1 / CP6750-111 x 1 & CP6750-112 x 2

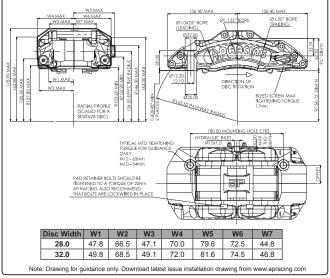
Bleed Screw Kit CP3880-1

#### PAD INFORMATION

- Pad Family = CP3894D51
- Pad Area = 73.5cm<sup>2</sup>
- Pad Depth = 50.8mm
- Pad Thickness = 18.0mm



#### **INSTALLATION DRAWING**



# 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.

Piston Sizes	Ø27.0mm
	Ø34.0mm
Piston Area	29.60cm <sup>2</sup>
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

**TECHNICAL SPECIFICATION** 

#### PART NUMBERS

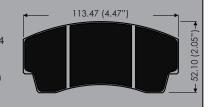
- RHT, CP6760-2S4L.
- LHT, CP6760-3S4L.
- RHL. CP6760-4S4L. - LHL, CP6760-5S4L.
- Note: It is important to select the correct

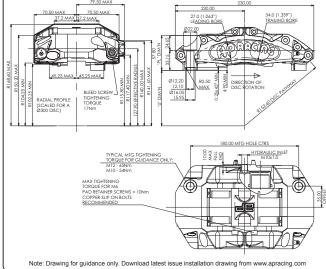
hand of caliper, see page 4 for guidance.

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

#### PAD INFORMATION

- Pad Family = CP3345D44
- Pad Area = 43.4cm<sup>2</sup>
- Pad Depth = 44.1mm
- Pad Thickness = 16.0mm





# **CP6768** 6 Piston, Liquid Cooled Radi-CAL™



#### 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.

**PAD INFORMATION** 

Pad Area = 81.9cm<sup>2</sup>

Pad Depth = 50.5mm

Pad Family = CP6766D50

Pad Thickness = 18.0mm

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

<b>TECHNICAL SPECIFICATION</b>		
	Ø27.0mm	
Piston Sizes	Ø31.8mm	
	Ø38.1mm	
Piston Area	50.1cm <sup>2</sup>	
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	

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-	
	CEJ:RAID	
AKB Spring Kit	CP6518-7LB	
	SSL	
Bleed Screw Kit	CP3880-1	
JIC Adaptor	CP6768-107	

163.85

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



#### 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.

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

#### **REAR PART NUMBERS**

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

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

TECHNICAL SP	ECIFICATION	
Piston Sizes		
CP6830 - Front	Ø34.9mm x 2	
CF0030 - FIUIL	Ø41.3mm x 2	
Piston Area	45.9cm <sup>2</sup>	
CP6831 - Rear	Ø27.0mm x 2	
	Ø31.8mm x 2	
Piston Area	27.3cm <sup>2</sup>	
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	

CP6820-113

CP6820-109

CP6720-162

CP6820-103

#### **GRAVEL PAD**

- Pad Family = CP6820D46
- Pad Area = 61.7cm<sup>3</sup>
- Pad Depth = 46.0mm
- Pad Thickness = 16.0mm



#### TARMAC PAD

CP6831

Upper

Lower

Beam W/Plate

Bleed Screw Kit

AKB Spring Kit

Mounting Boss

- Pad Family = CP6820D48

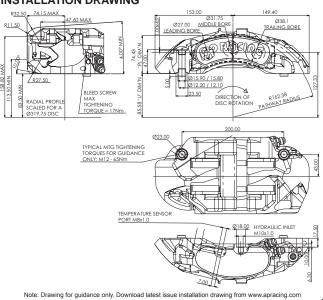
CP6830 - CP6518-4LBLL

CP6831 - CP6518-4LBSS

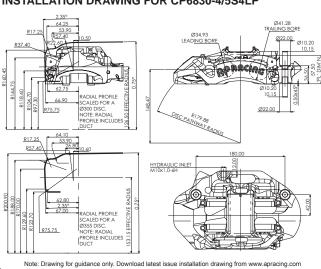
- Pad Area = 63.2cm<sup>3</sup>
- Pad Depth = 48.0mm
- Pad Thickness = 16.0mm



### INSTALLATION DRAWING



#### **INSTALLATION DRAWING FOR CP6830-4/5S4LP**



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

#### **TYPICAL APPLICATIONS**

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

#### **FEATURES**

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

#### **PART NUMBERS**

- □ Calipers with "Push-In" inlet.
- RH. CP6840-4S4L.
- LH, CP6840-5S4L.

#### □ Calipers with "M10 x 1.0 Threaded" inlet.

- RH, CP6840-6S4L.
- LH, CP6840-7S4L.

**GRAVEL PAD** 

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

Pad Family = CP6820D46

Pad Area = 61.7cm<sup>3</sup>

Pad Depth = 46.0mm

#### **TECHNICAL SPECIFICATION** Ø34.9mm x 2 Piston Sizes Ø41.3mm x 2 Piston Area 45.9cm<sup>2</sup> Disc Diameter Ø355.0mm Max Min Ø300.0mm Disc Thickness 32 0mm Weight No Pads 2.16Kg Hydraulic Thread M10x1.0 Mounting Type Radial Mtg centres 180.0mm

42.0mm

10.175mm

'PL' Dimension	57.5mm
SPARE PARTS	
Ø34.9mm Piston	CP6820-106
Ø41.3mm Piston	CP6820-107
Seal Repair Kit	CP8518-GK
Wear Plates. x 4	CP6820-113
Beam W/Plate	CP6820-109
Bleed Screw Kit	CP3880-1
AVD Caring Vit	CP6518-
AKB Spring Kit	4LBLL
Carbon Duct Kit	CP6820-110

#### **TARMAC PAD**

Mtg offset

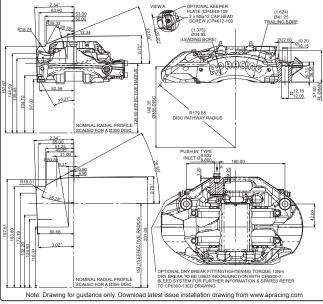
Mtg hole Ø

- Pad Family = CP6820D48
- Pad Area = 63 2cm<sup>3</sup>
- Pad Depth = 48.0mm
- Pad Thickness = 16.0mm





#### **INSTALLATION DRAWING FOR CP6840-4/5S4L**



# 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

#### PART NUMBERS

#### Underslung Mounted Caliper with Titanium Pistons.

- RHT, CP5785-2S0MPD.
- LHT, CP5785-3S0MPD.
- RHL, CP5785-4S0MPD.
- LHL, CP5785-5S0MPD.

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

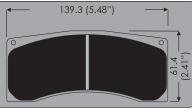
Note: It is important to select the correct hand of caliper, see page 4 for guidance.

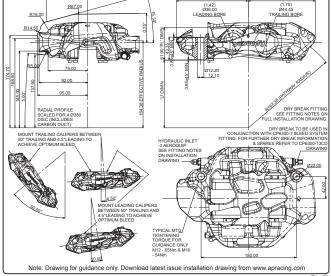
#### **TECHNICAL SPECIFICATION** Ø36.00mm Piston Sizes 51.39cm<sup>2</sup> Piston Area Disc Diameter 380.0mm Disc Thickness 34.0mm Weight No Pads 2.13Kg S/Steel Pistons **Titanium Pistons** 1.98Kg Hydraulic Thread M10x1.0 Mounting Type Radial 180.0mm Mtg centres Mtg offset 42.0mm Mtg hole Ø 'PL' Dimension 12.15mm 61.9mm

SPARE PARTS		
Titanium Pistons		
Ø36.00mm	CP5785-106	
Ø44.45mm	CP5785-107	
Stainless Steel Pi	stons	
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/L	H CP5785-125	
Dry Bleed Fitting	CP6300-21	
Inlet Fitting	CP5785-6	
Carbon Duct Kits		
RH CP5785-104/I	H CP5785_105	

#### PAD INFORMATION

- Pad Family = CP5788D54 (D48 available for lighter bake package)).
- Pad Area = 77.3cm<sup>2</sup>
- Pad Depth = 54.0mm
- Pad Thickness = 20.0mm





TECHNICAL SPECIFICATION

Piston Sizes

Piston Area

Disc Diameter

Disc Thickness

Weight No Pads

Hydraulic Thread

Mounting Type

'PL' Dimension

**SPARE PARTS** 

S/Steel Pistons

Seal Repair Kit

Wear Plates x 4

Pad Supports x 4

Bleed Screw Kit

Pad Retainer

Wear Plate

Mtg centres

Mtg offset

Mtg hole Ø

Ø28.6mm

Ø34.9mm

Ø28.6mm

Ø34.9mm

355.0mm

31.9cm<sup>2</sup>

32.0mm

M10x1.0

180.0mm

35.0mm

12.15mm

CP6266-105

CP6266-106

CP8518-DG

CP5760-105

CP6266-104

CP5870-108 CP3880-1

55.0mm

Radial

2.4kg

# CP6267

### 4 Piston, Forged Radi-CAL™ Rear



#### TYPICAL APPLICATIONS

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

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

#### TYPICAL APPLICATIONS

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

#### **FEATURES**

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

#### **PART NUMBERS**

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

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

١	TECHNICAL SP	ECIFICATION
ı		Ø31.75mm
ı	Piston Sizes	Ø34.0mm
ı		Ø41.3mm
ı	Piston Area	60.75cm <sup>2</sup>
ı	Disc Diameter	395mm
	Disc Thickness	40.0mm
	Weight No Pads	3.54Kg
	Hydraulic Thread	M10x1.0
	Mounting Type	Radial
٦	Mtg centres	210.0mm
	Mtg offset	44.0mm
	Mtg hole Ø	12.15mm

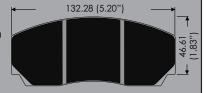
CP6268

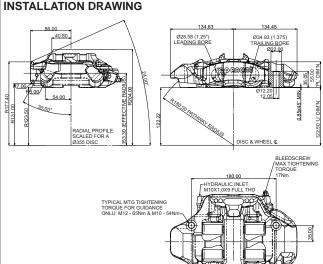
6 Piston, Forged Radi-CAL™ Front

IVILY HOLE &	12.1011111	
'PL' Dimension	76.0mm	
SPARE PARTS		
Pistons & Support Rings		
Ø31.75mm	CP6268-104 &	
231.73HIIII	CP3804-113	
Ø34.0mm	CP6268-105 &	
Ø34.0IIIII	CP3804-114	
Ø41.3mm	CP6268-106 &	
1.3mm	CP3804-104	
Seal Repair Kit	CP8518-EFK	
Pad Abutment	CP6268-111	
Plates x 4	01 0200-111	
H Piece Pad	CP6268-20	
Retainer Kit	0. 0200 20	
Quick Release	0000000	
(Clip) Pad Retainer	CP6268-21	
Kit	000000 110	
Pad Supports x 4	CP6268-112	
Bleed Screw	CP3880-1	
AKB Spring Kit	CP6518-7LB	
,	SSL	

#### **PAD INFORMATION**

- Pad Family = CP6267D50
- Pad Area = 60.4cm<sup>2</sup>
- Pad Depth = 50.0mm
- Pad Thickness = 25.0mm

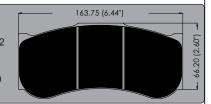


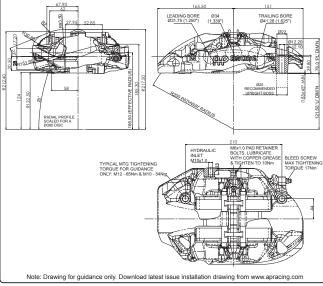


Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

#### PAD INFORMATION

- Pad Family = CP6268D62
- Pad Area = 97.9cm<sup>2</sup>
- Pad Depth = 62.0mm Pad Thickness = 28.0mm





# 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
- Optional Carbon Duct kit.

#### **PART NUMBERS**

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

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

#### **TECHNICAL SPECIFICATION**

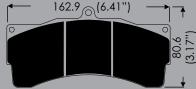
	Ø27.0mm
Piston Sizes	Ø31.8mm
	Ø38.1mm
Piston Area	50.1cm <sup>2</sup>
Disc Diameter	378.0mm
Disc Thickness	35.0mm
Weight No Pads	2.9kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	210.0mm
Mtg offset	35.0mm
Mtg hole Ø	12.15mm
'PL' Dimension	63.5mm

#### **SPARE PARTS**

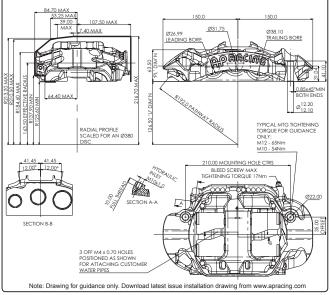
S/Steel Pistons	
Ø27.0mm	CP6265-107
Ø31.8mm	CP6265-108
Ø38.1mm	CP6265-109
Seal Repair Kit	CP4518-CEJ
Wear Plates x 4	CP5760-104
Pad Retainer	CP6078-106
Wear Plate	CP6076-106
Bleed Screw Kit	CP3880-1
AKB Spring Kit	CP6518-
	4LBSSL

# Pad Depth = 54.0mm

- **PAD INFORMATION** - Pad Family = CP6230D54
- Pad Area = 81.62cm<sup>2</sup>
- Pad Thickness = 25.0mm



#### **INSTALLATION DRAWING**



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



#### **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 upto Ø267 x 9.7mm solid disc. .
- Aluminium pistons.
- Quick release 'R' Clip pad retainer.

#### **PART NUMBERS**

- CP2576-3F0
- CP2577-3E0.
- CP2577-14F0 - CP3176-2E0.
- CP3177-2E0.
- CP3178-2E0.

#### **INSTALLATION**

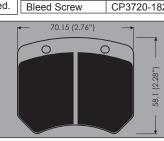
Install with bleed screws at the top (swap with blanking plug as required) to enable a good bleed.

TECHNICAL SPECIFICATION			
Piston Size / Pisto	n Area		
CD2576 2E0	Ø41.3mm /		
CP2576-3E0	26.76cm <sup>2</sup>		
CP2577-3/-14E0	Ø44.5mm /		
OI 23/1-3/-14L0	31.04cm <sup>2</sup>		
CP3176-2E0	Ø38.1mm /		
OI 3170-2L0	22.8cm <sup>2</sup>		
CP3177-2E0	Ø36.0mm /		
OF STEELO	20.35cm <sup>2</sup>		
CP3178-2E0	Ø31.8mm /		
OI 3170-2L0	15.83cm <sup>2</sup>		
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	46.9mm		
CP2577-14E0	48.5mm		

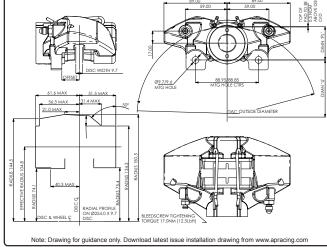
#### **SPARE PARTS Pistons** CP2576-3E0 CP2576-105 CP2577-3/-14E0 CP2577-102 CP3176-2E0 CP3176-102 CP3177-2E0 CP3177-102 CP3178-2E0 CP3178-102 Seal Repair Kit CP2576-3E0 CP4518-K CP2577-3/-14E0 CP4518-L CP3176-2E0 CP4518-J CP3177-2E0 CP4518-H CP3178-2E0 CP4518-E Pad Retainer R Clip Retainer P/No. CP2213-17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

#### **PAD INFORMATION**

- Pad Family = CP2399D43
- Pad Area = 27.4cm<sup>2</sup>
- Pad Depth = 42.9mm - Pad Thickness = 14.4mm



#### **INSTALLATION DRAWING FOR CP2577**





#### **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.

<b>TECHNICAL SPECIFICATION</b>		
Piston Size / Piston Area		
CP3676	Ø41.3mm / 26.7cm²	
CP3677	Ø44.5mm / 31.04cm <sup>2</sup>	
CP4586	Ø36.0mm / 20.4cm²	
CP4596	Ø31.8mm / 15.83cm²	
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	

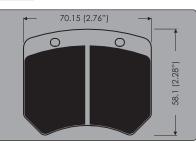
SPARE PARTS		
CP2576-105		
CP2577-102		
CP3177-102		
CP3178-102		
R Clip		
CP2213-17		
CP4518-K		
CP4518-L		
CP4518-H		
CP4518-E		
CP3720-182		

10.1mm

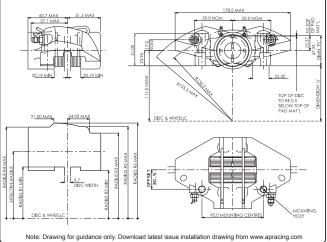
Mtg hole Ø

## PAD INFORMATION

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



#### INSTALLATION DRAWING FOR CP3676.



# CP3696 - Lug Mount



#### TYPICAL APPLICATIONS

- Formula Ford.
- Rear of lightweight FWD Cars.

#### **FEATURES**

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

#### **PART NUMBERS**

- CP3696-6E0.

#### **INSTALLATION**

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

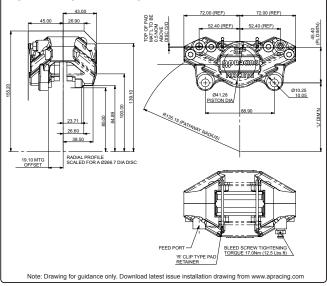
TECHNICAL SPECIFICATION			
Piston Size	Ø41.3mm		
Piston Area	26.7cm <sup>2</sup>		
Disc Diameter	Ø267mm		
Disc Thickness	7.1mm		
Weight No Pads	800g		
Hydraulic Thread	3/8"x24UNF		
Mounting Type	Lug		
Mtg centres	89.0mm		
Mtg offset	19.1mm		
Mtg hole Ø	10.15mm		
'PL' Dimension	45.5mm		
SPARE PARTS			

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

#### PAD INFORMATION

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





### BRAKE CALIPERS - 2 Piston

# CP5928 - Billet Body

AP RACING



#### 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

PAD INFORMATION
- Pad Family = CP2399D43
- Pad Area = 27.4cm<sup>2</sup>

Pad Depth = 42.9mm

Pad Thickness = 14.4mm

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

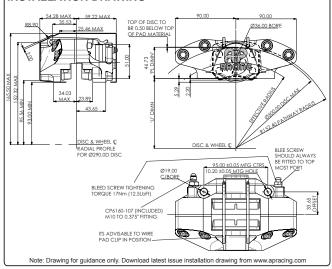
TECHNICAL SP	ECIFICATION
Piston Size	Ø36.0mm
Piston Area	20.4cm <sup>2</sup>
Disc Diameter	Ø300mm
Disc Thickness	16.0mm
Weight No Pads	1.1Kg
	1110 10

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

# 70.15 (2.76")

#### **INSTALLATION DRAWING**



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

#### PART NUMBERS

# ■ Caliper with Ø44.5mm pistons for Solid Disc:

- CP6120-2S0 RHT / LHL.
- CP6120-3S0 LHT / RHL.

# ■ Calipers with Ø38.1mm pistons for Solid Disc:

- CP6121-2S0 RHT / LHL.
- CP6121-3S0 LHT / RHL.

# ■ Calipers with Ø44.5mm pistons for Vented Disc:

- CP6126-2S4 RHT / LHL.
- CP6126-3S4 LHT / RHL.

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

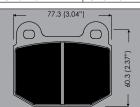


TECHNICAL SPECIFICATION		
Piston Size / Piston Area		
CP6120 & Ø44.5mm /		
CP6126	31.04cm <sup>2</sup>	
CP6121	Ø38.1mm /	
CP6121	22.8cm <sup>2</sup>	
Disc Diameter	Upto Ø282mm	
Disc Thickness		
CP6120 / CP6121	12.7mm	
CP6126	17.8mm	
Weight No Pads	1.5Kg	
Hydraulic Thread	M10x1.0	
Mounting Type	Radial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

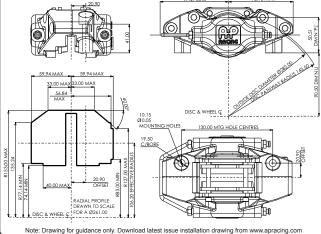
SPARE PARTS	
Pistons	
CP6120	CP5235-108
CP6121	CP6121-104
CP6126	CP5119-104
Pin Pad Retainer	Part No
CP6120 / CP6121	CP6120-103
CP6126	CP5119-107
Seal Repair Kit	
CP6120 / CP6126	CP4518-L
CP6121	CP4518-J
Bleed Screw	CP3880-1
Fluid Pipe	
CP6120 / CP6121	CP6120-6
CP6126	CP5119-123

#### PAD INFORMATION

- Pad Family = CP5119D50
- Pad Area = 33.7cm<sup>2</sup>
- Pad Depth = 50.0mm
  - Pad Thickness = 14.3mm



#### INSTALLATION DRAWING - CP6120-2/3S0 For CP6121 & CP6126 drawings visit www.apracing.com



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



#### CP2382 and CP2383 2 Piston Calipers.



#### **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. - CP2382-12E4,
- RH & -13E4, LH Solid Disc.
- CP2383-12E4. RH & -13E4, LH.

#### **TECHNICAL** SPECIFICATION Ø50.8mm Piston x 2 Sizes Disc Dia Max Ø266.7mm Min Ø254.0mm Disc Thicknes 20.7mm CP2382 CP2383 11.2mm Max Min 9.7mm Weight 1.8Ka (No Pads) 3/8"x24 Hvdraulic Thread UNF Mounting Lua Type Mounting 88.9mm centres Mounting offset

# Repair Kit Pad Family - CP2372D52 Pad Thickness = 15.9mm

29.7mm

24.9mm

11.27mm

CP4518-N

54.1mm

CP2382

CP2383

Mtg hole Ø

'PL' Dim'n

Seal

### CP2561 2 Piston Caliper.



#### **APPLICATIONS** ■ Historic Formu 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.



1000	FISIOII	Ø36. IIIIIII
9	Sizes	x 2
	Disc Dia.	Ø278.0mm
	Disc Thickne	SS
	Max	25.4mm
1-	Min	22.8mm
la	Weight	1.17Kg
	(No Pads)	1.17 Ng
	Hydraulic	M10x1.0
	Thread	IVI TOX T.O
	Mounting	Radial
	Туре	Naulai
	Mounting	88 9mm

88 9mm centres Mounting 50.0mm offset Mtg hole Ø 9 6mm 'PL' 26.0mm Dim'n

Seal

#### Repair Kit Pad Family - CP2554 Pad Thickness = 16.8mm

CP4518-J



# CP2270



#### **APPLICATIONS**

- Rally.
- Sports GT.
- Saloons.

#### **FEATURES**

- Closed back aluminium allov body.
- Blank lug mount.
- Ø41.3mm Aluminium allov pistons.
- High temperature seals.
- Hard anodised surface treatment.



- Right Hand.
- Left Hand. CP2270-145S4QR

# 4 Piston Caliper.

**TECHNICAL** 

Piston

Sizes

Max

Min

Disc Dia

**SPECIFICATION** 

Ø41.3mm

Ø302.0mm

Ø260.0mm

x 4



- CP2270-144S4QR

Thickness	28.0mm	
Weight (No Pads)	2.7Kg	
Hydraulic	3/8"x24	
Thread	UNF	
Mounting Type	Blank Lug	
Mounting	76.2 /	
centres	94.0mm	
Mounting	33.3 /	
offset	42.4mm	
Mtg hole Ø	N/A	
'PL'	66.3 /	
Dim'n	85.6mm	
Seal	CP4518-	
Repair Kit	KK	
Pad Family - CP2270D46		
Pad Thickness = 16.6mm		
126.7 (4.98")		
	55.8	

#### CP2271 4 Piston Caliper.

TECHNICAL

Piston

Max

Min

Disc

Disc Dia.

Thickness

(No Pads)

Hydraulic

Mounting

Mounting

Mounting

Mtg hole Ø

centres

offset

Dim'n

Seal

Repair Kit

Thread

Туре

Weight

SPECIFICATION



#### **APPLICATIONS**

- Rally.
- Sports GT. ■ Saloons.
- **FEATURES**
- Closed back Aluminium Alloy body.
- Blank lug mount.
- Ø38.1mm Aluminium Allov pistons.
- Hard anodised surface treatment

#### PART NUMBERS

- Right Hand. CP2271-182S4OR
- Left Hand. CP2271-183S4QR

Ø38 1mm

28.0mm

2.7Kg

76.2 /

33.3 /

N/A

Pad Family - CP2270D46

Pad Thickness = 16.6mm

66.3 /

85 6mm

CP4518-

94.0mm

42.4mm

3/8"x24

Blank Lug

y 4



Sports GT.

- Blank lug mount.
- Aluminium allov pistons Hard anodised

#### **PART NUMBER**

- Non Handed

### CP2279 4 Piston Caliper.

TECHNICAL

SPECIFICATION



ΔPPI	IC /	TIO	NIC
APPL	16	ATIO	27
_			

#### **FEATURES**

- Closed back Aluminium Alloy body.
- Ø44.5mm
- surface treatment.

CP2279-400S4BP

#### Piston Ø44 5mm y 4 Disc Dia Ø330.0mm Max Min Ø260.0mm Disc 28 0mm Thickness Weight 3.4Kg (No Pads) 3/8"x24 Hydraulic Thread UNF Mtg Type Blank Lug Mounting Max 88.9mm Min 80.3mm Mounting offset Max 50.0mm Min 35.8mm Mtg hole Ø 12.7mm Max Min 10.1mm 'PL' Dimension 86.4mm Max

Repair Kit

Min

Sea

# Pad Family - CP2279D50 Pad Thickness = 20.4mm

70.6mm

CP4518

#### CP2361 4 Piston Caliper.

TECHNICAL

Piston

Disc Dia

Thickness

(No Pads)

Hydraulic

Mounting

Mounting

Mounting

Mtg hole Ø

Dimension

Repair Kit

Pad Family

CP2340D43 or D51

centres

offset

Seal

Thread

Type

Weight

Max

Min

**SPECIFICATION** 

Ø38 1mm

Ø267.0mm

Ø248.0mm

20 7mm

2.0Kg

UNF

76.2 /

28.7 /

N/A

55.1 /

81 2mm

CP4518-

94.0mm

31.2mm

3/8"x24

Blank Lug

y 4



#### **APPLICATIONS**

- Rally.
- Sports GT.

#### **FEATURES**

- Closed back Aluminium Alloy body.
- Blank lug mount to suit 13" wheels.
- Ø38.1mm Aluminium Allov pistons.
- Hard anodised surface treatment.

#### PART NUMBERS

- Right Hand CP2361-96S4QR - Left Hand. CP2361-97S4QR

Pad Thickness = 15.9mm



# CP2696-38E0

AP RACING

2 Piston, Classic Caliper.



#### **APPLICATIONS**

- Solo machines.
- Classic machines
- F2 Sidecar.

#### **FEATURES**

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

#### PART NUMBERS

□ CP2696-38E0.

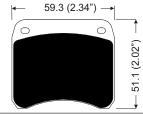
#### **TECHNICAL SPECIFICATION** Piston Sizes x 2 Ø41.3mm Piston Area 26.8cm<sup>2</sup> Ø304.0mm Disc Diameter Disc Thickness 6.4mm Weight No Pads 900g 3/8" x 24UNF Hydraulic Thread Mounting Type Lug 89 0mm Mtg centres Mtg offset 19.1mm Mtg hole Ø 10.2mm

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

CP4518-K

Seal Repair Kit

BRAKE PAD-	CP2195D38
Pad Thickness	10.5mm
Pad Depth	38.4mm
Pad Area	10.5cm <sup>2</sup>



# CP4227-2S0

2 x 2, Rear Caliper.



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

#### **FEATURES**

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

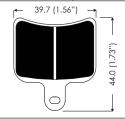
#### PART NUMBERS

□ CP4227-2S0

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

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

BRAKE PAD-	CP4226D27
Pad Thickness	7.0mm
Pad Depth	26.8mm
Pad Area	9.4cm <sup>2</sup>



# CP4226-2S0

2 Piston, Rear Caliper.



#### **APPLICATIONS**

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

#### **FEATURES**

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

#### PART NUMBERS

■ CP4226-2S0

# **TECHNICAL SPECIFICATION**

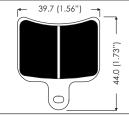
Piston Sizes x 2	Ø25.4mm
Piston Area	10.1cm <sup>2</sup>
Disc Diameter	Ø220.0mm
Disc Thickness	4.0mm
Weight No Pads	240g
Hydraulic Thread	M10x1.0
Mounting Type	Lug
Mtg centres	64.0mm
Mtg offset	26.5mm
Mtg Thread	M8x1.25
Seal Repair Kit	CP4518-A

#### SPARE PARTS

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

# **BRAKE PAD-CP4226D27**

Pad Thickness	7.0mm
Pad Depth	26.8mm
Pad Area	9.4cm <sup>2</sup>



# **CP7853**

4 Piston, 2 Piece, Radial Mount Caliper.



#### **APPLICATIONS**

- Performance Road.
- Supermoto.

#### **FEATURES**

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

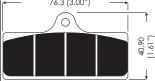
#### PART NUMBERS

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

TECHNICAL	
SPECIFICATION	ON
Piston Sizes	Ø31.75mm x 2
1 131011 01203	Ø36.0mm x 2
Piston Area	36.2cm <sup>2</sup>
Disc Diameter	Ø320.0mm
Disc Thickness	6.0mm
Weight No Pads	760g
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	108.0mm
Mtg offset	22.5mm
Mtg hole	10.15mm
Seal Repair Kit	CP4518-EH
SPARE PARTS	

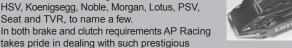
SPARE PARTS	
Piston - Ø31.75	CP4484-107
Piston - Ø36.0	CP4484-106
Pad Retainer	R/Clip
Retainer P/No.	CP3696-106
Bleed Screw	CP4469-101
B/Screw Tightening Torque - 5.5Nm	

#### **BRAKE PAD-CP4488D27** Pad Thickness 9.5mm Pad Depth 27.0mm Pad Area 76.3 (3.00")



#### 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.



companies and have the systems in place to offer our customers the best possible service available from a proven OE, Aftermarket, Armoured and special project brake system supplier.



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

AP Racings motorsport and OEM experiences breeds excellence which leads to exciting designed tried and tested brake and clutch packages for a selection of vehicles including:

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

#### **DESIGN & DEVELOPMENT.**

The whole process of design and development is carried out at our headquarters in Coventry. With two brake dynomometers 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 tech-



niques and systems that enable AP Racing the ability to produce brake calipers for models in production at up to 10,000 vehicles per annum.

#### IMPORTANT SAFETY NOTE FOR CUSTOMERS.

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

It is the responsibility of the person specifying these products for a given application to ensure that the design parameters of the product are not exceeded.

#### **TECHNICAL DATA SHEETS - BRAKE CALIPERS**

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

# CP5119 2 Piston, Suits Solid Discs



#### TYPICAL APPLICATION

Road Lightweight Front or Rear.

#### **FEATURES**

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

#### PART NUMBERS

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

#### INSTALLATION

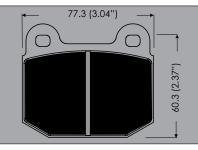
It is important to select the correct 'hand' of caliper so that the bridge pipe is below the caliper and bleed screws are at the top to enable a good hydraulic bleed.

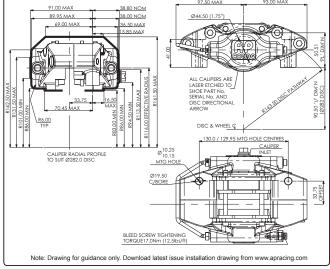
TECHNICAL SPECIFICATION		
Piston Sizes	Ø44.5 x 2	
Piston Area	31.11cm <sup>2</sup>	
Disc Diameter	Ø282.0	
Disc Thickness	10.0mm	
Weight No Pads	1.6Kg	
Hydraulic Thread	M10x1.0	
Mounting Type	Radial	
Mtg centres	130.0mm	
Mtg offset	33.75mm	
Mtg hole Ø	10.2mm	
'PL' Dimension	50.51mm	

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

#### PAD INFORMATION

- Pad Family = CP5119D50
- Pad Area = 33.7cm<sup>2</sup>
- Pad Depth = 50.0mmPad Thickness = 14.3mm







# 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 anticorrosion 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 RHI
- 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 HANDING**

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	
CP5316	Ø38.1mm
CP5317	Ø41.3mm
Piston Area	
CP5316	22.8cm <sup>2</sup>
CP5317	26.8cm <sup>2</sup>
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	CP5128-104	
CP5317	CP5317-103	
Seal Repair Kit		
CP5316	CP4525-J	
CP5317	CP4525-K	
Pad Retainer	Clip	
Retainer P/No.	CP5119-134	
Bleed Screw	CP3720-173	

# CP5100 4 Piston, 130mm Radial Mount



#### TYPICAL APPLICATION

■ Performance Road Front or Rear.

#### **FEATURES**

- Radial mount, 130 x 47.4mm ctrs.
- Suits Ø295mm x 25.4m iron
- Cast Aluminium alloy body,
- Staggered equal bores.
- Aluminium Alloy pistons with dirt seals fitted.
- Advanced Red or Black anticorrosion 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

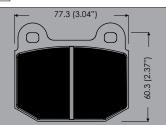
Note: It is important to select the correct hand of caliper, see page 4 for guidance.

TECHNICAL SPECIFICATION			
Piston Size	Ø38.1mm x 4		
Piston Area	45.6cm <sup>2</sup>		
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		

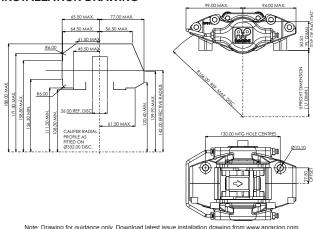
SPARE PARTS			
Pistons	CP2409-160		
Seal Repair Kit	CP4519-JJ		
AKB Spring Kit - CP6518-4LBLL			
Wear Plates	CP5100-210 x 2 CP5100-211 x 2		
Pad Retainer	Bolt		
Retainer P/No.	CP5100-117		
Ret / Bolt P/No.	CP5100-120		
Bleed Screw	CP3720-173		

#### PAD INFORMATION

- Pad Family = CP5119D50
- Pad Area = 33.7cm<sup>2</sup>
- Pad Depth = 50.0mm
- Pad Thickness = 14.3mm

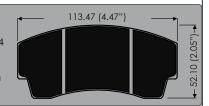


#### INSTALLATION DRAWING

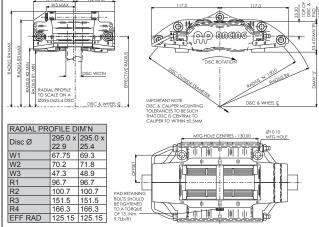


#### PAD INFORMATION

- Pad Family = CP3345D44
- Pad Area = 43.4cm<sup>2</sup>
- Pad Depth = 44.1mm
- Pad Thickness = 16.0mm



#### **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 anticorrosion paint finish
- Steel wear plates.
- Pad anti-rattle clip fitted.

#### Mtg hole Ø 10.1mm

'PL' Dimension

#### **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.

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

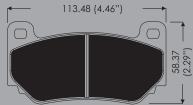
TECHNICAL SP	ECIFICATION
Piston Sizes	Ø38.1mm
Piston Area	45.6cm <sup>2</sup>
Disc Diameter	Ø295.0
Disc Thickness	24.0mm
Weight No Pads	2.6Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	130.0mm
Mta offset	47.4mm

SPARE PARTS	
Pistons	
Ø38.1mm	CP6200-104
Seal Repair Kit	CP4525-JJ
Pad Retainer	Pin
Retainer P/No.	CP7600-109
Wear Plates	CP7605-117
	x 4
Bleed Screw Kit	CP3880-1

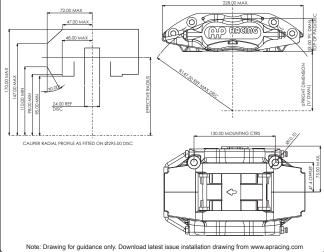
53.0mm

# PAD INFORMATION

- Pad Family = CP7600D46
- Pad Area = 43.5cm<sup>2</sup>
- Pad Depth = 46.2mm
- Pad Thickness = 16.0mm



#### **INSTALLATION DRAWING**



# CP8530, CP8540 & CP8560

4 Piston, World Radi-CAL™ Calipers



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

#### **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 anticorrosion paint finish
- Pad anti-rattle clip fitted.

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

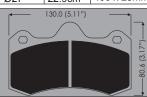
TECHNICAL SPECIFICATION			
Weight No Pads	3.35Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	195.0mm		
Mounting offset			
CP8540-2/3/4/5	34.0mm		
CP8560-2/3/4/5	34.011111		
CP8530-2/3/4/5	36.0mm		
CP8540-6/7/8/9	30.011111		
Mtg hole Ø	12.1mm		
'PL' Dimension	55.0mm		

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	

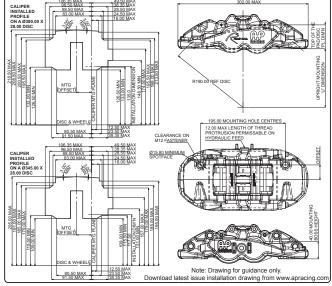
PART NUMBERS & PISTON INFORMATION			
Part No.	Piston Sizes	Piston	Max Disc Ø x
Fait No.	(mm)	Area	Thickness (mm)
CP8530-2/3/4/5S0BK or R2	Ø38.1 / Ø41.3	49.56cm <sup>2</sup>	400 x 32mm
CP8540-2/3/4/5S0BK or R2	Ø28.6 / Ø31.8	28.8cm <sup>2</sup>	400 x 28mm
CP8540-6/7/8/9S0BK or R2	Ø28.6 / Ø31.8	28.8cm <sup>2</sup>	400 x 32mm
CP8560-2/3/4/5S0BK or R2	027 / 027	22 9cm²	400 x 28mm

#### PAD INFORMATION

- Pad Family = CP6600D55
- Pad Area = 64.6cm<sup>2</sup>
- Pad Depth = 55.0mm
- Pad Thickness = 16.75mm



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



# CP9200

### 4 Piston, Two Piece Forged Body - Front



#### TYPICAL APPLICATION

■ Performance Road Front.

#### **FEATURES**

- Radial mount, 152 x 46.8mm ctrs.
- Suits Ø330mm x 28mm iron disc.
- Two piece forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced gloss Black or Red anti-corrosion paint finish.
- Pad anti-rattle clip fitted.
- Replaces CP5200 Caliper Family.

#### **PART NUMBERS**

#### Black calipers

- CP9200-2S0BG RHT.
- CP9200-3S0BG LHT.
- CP9200-4S0BG RHL.
- CP9200-5S0BG LHL.

#### ■ For Red Calipers

- add 'R2' to end of part number e.g CP9200-2S0R2

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

#### TECHNICAL SPECIFICATION Ø38 1mm

Piston Size	200.111111		
PISION SIZE	Ø41.3mm		
Piston Area	49.56cm <sup>2</sup>		
Disc Diameter	330.0mm		
Disc Thickness			
Max	28.0mm		
Min	26.0mm		
Weight No Pads	2.43Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	152.0mm		
Mounting offset	46.86mm		
Mta hole Ø	10.1mm - Nom		

60.36mm

#### 'PL' Dimension SPARE PARTS

Pistons	
Ø38.1mm	CP9200-108
Ø41.3mm	CP9200-109
Seal Repair Kit	CP4527-JK
Pad Retainer	Bolt
Retainer Part No.	CP5200-124
Retainer Bolt	CP3596-
Part No.	112ST
Bleed Screw	CP4970-125
Pad Anti- Rattle	CP5200-151
Clin	CF 3200-131

### CP9202

4 Piston, Two Piece Forged Body - Rear



#### TYPICAL APPLICATION

■ Performance Road Rear

#### **FEATURES**

- Radial mount, 152 x 46.8mm ctrs.
- Suits Ø360mm x 28mm iron disc. ■ Two piece forged Aluminium alloy
- body. Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced gloss Black or Red anti-corrosion paint finish.
- Pad anti-rattle clip fitted.

Piston Area	22.72cm <sup>2</sup>	
Disc Diameter	360.0mm	
Disc Thickness		
Max	28.0mm	
Min	26.0mm	
Weight No Pads	2.48Kg	
Hydraulic Thread	M10x1.0	
Mounting Type	Radial	
Mtg centres	152.0mm	
Mounting offset	46.86mm	
Mtg hole Ø	10.1mm - Nom	
'PL' Dimension	60.36mm	

TECHNICAL SPECIFICATION

Piston Size (x 4) Ø27.0mm

#### **PART NUMBERS** Black calipers

- CP9202-2S0BG RHT.
- CP9202-3S0BG LHT.
- CP9202-4S0BG RHL.
- CP9202-5S0BG LHL

#### ■ For Red Calipers

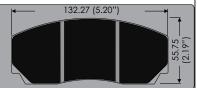
- add 'R2' to end of part number e.g CP9202-2S0R2

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

00.00		
SPARE PARTS		
CP9202-108		
CP4527-CC		
Tube		
CP5200-124		
CP3596-		
112ST		
CP4970-125		
CP5200-151		

#### PAD INFORMATION

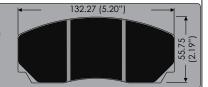
- Pad Family = CP3215D50 Pad Area = 57.4cm<sup>2</sup>
- Pad Depth = 50.3mm
- Pad Thickness = 16.8mm

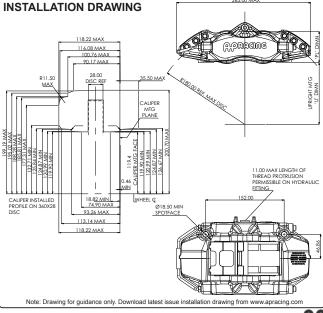


# INSTALLATION DRAWING 52.0 MOUNTING HOLE CENTRES 18.82 MI 113.15 MAX Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.com

#### **PAD INFORMATION**

- Pad Family = CP3215D50
- Pad Area = 57.4cm<sup>2</sup>
- Pad Depth = 50.3mm
- Pad Thickness = 16.8mm





# ?

# 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.

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

<b>TECHNICAL SPECIFICATION</b>			
Piston Sizes	See Table		
FISIOII SIZES	Below.		
Disc Diameter	Ø410.0mm		
Disc Thickness	35.6mm		
Weight No Pads	6.1Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	210.0mm		
Mtg offset	52.0mm		
Mtg hole Ø	14.2mm		
'PL' Dimension	92.5mm		

SPARE PARTS		
Pistons		
Ø27.0mm	CP7040-118	
Ø31.8mm	CP6609-106	
Ø36.0mm	CP6609-107	
Ø38.1mm	CP6200-104	
Ø41.3mm	CP6200-105	
Seal Repair Kit		
CP8310	CP4525-CEJ	
CP8316	CP4525-HJK	
CP8317	CP4525-EHJ	
Pad Retainer	Tubes.	
Retainer Part No.	CP8310-110	
Retainer Bolt.	CP2889-107	
Wear Plates		
CP8310-114 x 2 CP8310-115 x 2		

CP3880-1

# PART NUMBERS & PISTON INFORMATION Part No. Piston Sizes (mm) Piston Area CP8310-2/-3/-4/-5S0BK Ø27 / Ø31 8 / Ø38 1 50 4cm²

		1 1010117 11 00
CP8310-2/-3/-4/-5S0BK	Ø27 / Ø31.8 / Ø38.1	50.4cm <sup>2</sup>
CP8316-2/-3/-4/-5S0R2	Ø36 / Ø38.1 / Ø41.3	70.0cm <sup>2</sup>
CP8317-2/-3/-4/-5S0BK	Ø31.8 / Ø36 / Ø38.1	59.0cm <sup>2</sup>

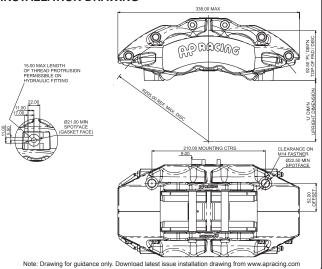
#### PAD INFORMATION

- Pad Family = CP8310D70
- Pad Area = 109.1cm<sup>2</sup>
- Pad Depth = 70.5mm
- Pad Thickness = 17.8mm



Bleed Screw

#### **INSTALLATION DRAWING**



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



#### TYPICAL APPLICATIONS

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

#### **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 anticorrosion paint finish
- Pad anti-rattle clip fitted.

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

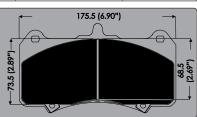
TECHNICAL SP	<b>ECIFICATION</b>
Disc Dia. Max.	410.0mm
Disc Dia. Min.	380.0mm
Disc Thickness	36.0mm
Weight No Pads	4.65Kg
Hydraulic Thread	M10x1.0
Mounting Type	Radial
Mtg centres	195.0mm
Mounting offset	49.50
Mta hole Ø	12.1mm

'PL' Dimension	/U.Umm		
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		

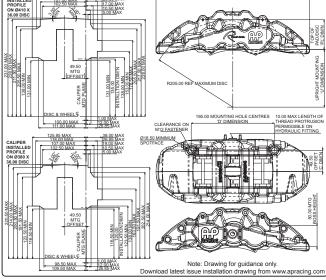
PART NUMBERS & PISTON INFORMATION		
Part No.	Piston Sizes (mm)	Piston Area
CP8520-2/-3/-4/-5S0BK or R2	Ø31.8 / Ø36.0 / Ø41.3	62.5cm <sup>2</sup>
CP8521-2/-3/-4/-5S0BK or R2	Ø31.8 / Ø31.8 / Ø41.3	58.6cm <sup>2</sup>
CP8522-2/-3/-4/-5S0BK or R2	Ø27.0 / Ø31.8 / Ø38.1	50.1cm <sup>2</sup>

#### PAD INFORMATION

- Pad Family = CP7555D70
- Pad Area = 108.9cm<sup>2</sup>
- Pad Depth = 70.0mm
- Pad Thickness = 16.75mm



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



# CP9040 6 Piston, Two Piece Forged Body



#### TYPICAL APPLICATIONS

- High Performance Road.
- Factory Big Kit Caliper.

#### **FEATURES**

- Radial mount, 152 x 53.2mm ctrs.
- □ Suits Ø362mm x 32mm iron disc.
- Two piece forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced gloss Black or Red anti-corrosion paint finish.
- Pad anti-rattle clip fitted.

# PART NUMBERS

#### Black calipers

- CP9040-2S0BG RHT.
- CP9040-3S0BG LHT.
- CP9040-4S0BG RHI
- CP9040-5S0BG LHL.

#### **■** For Red Calipers

- add 'R2' to end of part number e.g CP9040-2S0R2

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

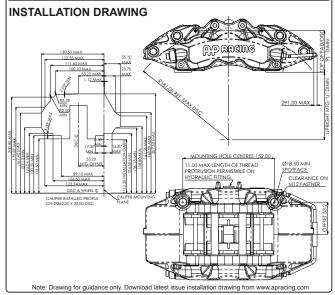
TECHNICAL SPECIFICATION			
	Ø27.0mm		
Piston Sizes	Ø31.8mm		
	Ø38.1mm		
Piston Area	50.1cm <sup>2</sup>		
Disc Diameter	Ø362.0mm		
Disc Thickness			
Max	32.0mm		
Min	30.0mm		
Weight No Pads	3.7Kg		
Hydraulic Thread	M10x1.0		
Mounting Type	Radial		
Mtg centres	152.0mm		
Mtg offset	53.2		
Mtg hole Ø	12.1mm		
(0110)	00.0		

SPARE PARTS	
Ø27.0 - Piston	CP9040-109
Ø31.8 - Piston	CP6696-124
Ø38.1 - Piston	CP6695-124
Seal Repair Kit	CP4527-CEJ
Pad Retainer	Tubes
Retainer Part No.	CP5555-157
Pad retaining pins	CP8335-116
Bleed Screw	CP3880-1
Anti Battle Clin	CD0040 108

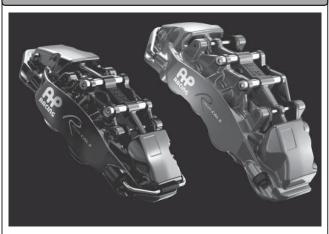
'PL' Dimension

68.8mm

#### 149.0 (5.86") PAD INFORMATION (3.37")Pad Family = CP7040D61 Pad Area = 72.50cm<sup>2</sup> Pad Depth = 61.0mm Pad Thickness = 16.75mm



# Radi-CAL II INTRODUCTION



Following on from the success of our Pro 5000 ∕ range AP Racing has brought the same design philosophy to the road performance market in the form of the World ROULE range.

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

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

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

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

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

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

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

# CP9540, CP9541 & CP9542

4 Piston, World Radical Calipers



#### TYPICAL APPLICATIONS

■ Road Front or Rear.

#### **FEATURES**

- Benefits from a radical asymmetric design concept.
- Radial mount, 195mm ctrs.
- Suits Ø380mm x 28mm or 32mm disc.
- Forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Black, Red or Silver anti-corrosion paint finish.
- Pad anti-rattle clip fitted.

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

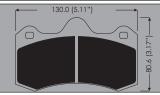
_		
	<b>TECHNICAL SP</b>	ECIFICATION
	Weight No Pads	3.25kg
	Hydraulic Thread	M10x1.0
	Mounting Type	Radial
	Mtg centres	195.0mm
Mounting offset		
	CP9540-6/7/8/9	
	CP9541-6/7/8/9	34.0mm
	CP9542-6/7/8/9	
	CP9540-2/3/4/5	
1	CP9541-2/3/4/5	36.0mm
ł	CP9542-2/3/4/5	
	Mtg hole Ø	12.1mm
	'PL' Dimension	55.0mm
j		

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	
CP9540 Calipers	CP4527-JK
CP9541 Calipers	CP4527-DE
CP9542 Calipers	CP4527-CC
Tube Pad	CP9560-106
Retainer	CP9500-100
Bleed Screw Kit	CP3880-1

ı	PART NUMBERS & PISTON II	FORMATI	ON	
	Part No.	Piston Sizes (mm)		Max Disc Ø x Thick's
ı	CP9540-2/3/4/5S0BG4/R12/S10	Ø38.1 /	40.50 3	380 x 32mm
ı	CP9540-6/7/8/9S0BG4/R12/S10	Ø41.3	49.56cm²	380 x 32mm
I	CP9541-2/3/4/5S0BG4/R12/S10	Ø28.6 /		380 x 32mm
I	CP9541-6/7/8/9S0BG4/R12/S10	Ø31.8	28.8cm <sup>2</sup>	380 x 28mm
l	CP9542-2/3/4/5S0BG4/R12/S10	Ø27 /	00.0 3	380 x 32mm
I	CP9542-6/7/8/9S0BG4/R12/S10	Ø27	22.9cm <sup>2</sup>	380 x 28mm

#### PAD INFORMATION

- Pad Family = CP6600D55
- Pad Area = 64.6cm<sup>2</sup>
- Pad Depth = 55.0mm
- Pad Thickness = 16.75mm



INSTALLATION DRAWING FOR CP9540-2/3/4/5
106,10, MAX. 67.30 MAX. CALIPER INSTALLED  106,10, MAX 16,30 MAX 16,30 MAX PROPILE ON PR
R2.50 110.10 MAX 67.30 MAX MIZEASTENER SILL MAX 63.00 MAX 91.85.00 MAX

# CP9560, CP9561 & CP9562 6 Piston, World Rod-CAL M Calipers



#### TYPICAL APPLICATIONS

■ Road Front or Rear.

#### **FEATURES**

- Radial mount, 195mm ctrs.
- Benefits from a radical asymmetric design concept.
- Suits Ø390mm x 36mm or 34mm disc.
- Forged Aluminium alloy body.
- Aluminium alloy pistons.
- Boot type dirt seals fitted.
- Advanced Black, Red or Silver anti-corrosion paint finish.
- Pad anti-rattle clip fitted.

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

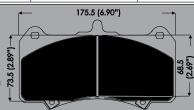
ECIFICATION
390.0mm
36.0mm
34.0mm
4.2Kg
M10x1.0
Radial
195.0mm
49.50
12.1mm
70.0mm

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	
CP9560-2/3/4/8	CP4527-EHK
CP9561-2/3/4/5	CP4527-EEK
CP9562-2/3/4/5	CP4527-CEJ
Pad Retainer	Tubes
(x 4)	Tubes
Retainer P/No.	CP9560-106
Bleed Screw Kit	CP3880-1

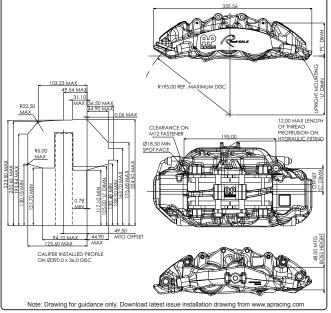
PART NUMBERS & PISTON INFORMATION									
Part No.	Piston Sizes (mm)	Piston Area							
CP9560-2/-3/-4/-5S0BG4/R12/S10	Ø31.8 / Ø36.0 / Ø41.3	62.5cm <sup>2</sup>							
CP9561-2/-3/-4/-5S0BG4/R12/S10	Ø31.8 / Ø31.8 / Ø41.3	58.6cm <sup>2</sup>							
CP0562-2/-3/-4/-5S0BG4/R12/S10	Ø27 0 / Ø31 8 / Ø38 1	50 1cm <sup>2</sup>							

# PAD INFORMATION

- Pad Family = CP7555D70
- Pad Area = 108.9cm<sup>2</sup>
- Pad Depth = 70.0mm
- Pad Thickness = 16.75mm



#### **INSTALLATION DRAWING FOR CP9560-2/3/4/5**



### BRAKE CALIPERS - Technical Information & Replacement Caliper Seals

#### RECOMMENDED TIGHTENING TORQUES.

AP Racing recommended tightening torques:

- M6 & 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°

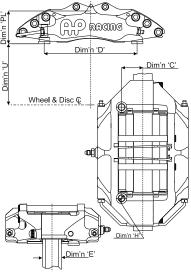
Resulting maximum torque must not exceed: - 30Nm

- 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).
С	Offset - Disc centre line to centre of mounting hole (mounting face on lug type calipers)
D	Mounting hole centres.
н	Mounting hole diameters.
E	Disc width.
U	Wheel centre to caliper mounting hole boss. (disc diameter / 2 - 'Pl' dimension).

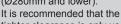


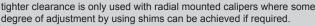
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DISC

#### **DISC PATHWAY** CLEARANCE.

Disc diameter clearance should be 2.5mm nominal from disc outside diameter to caliper pathway. The clearance can be reduced to 1.8mm minimum for smaller diameter discs (Ø280mm and lower).





#### 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)	CP2667-113 39.88 & 1.29 CP2667-125 70.36 & 1.29		
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-Knockba	ck Spring Kits.		8
Caliper Type	Part Number	Contents	
	CP6518-4LBSS	4 x CP2632-113	
4 Dieter	CP6518-4LBLL	4 x CP2667-105	
4 Piston	CP6518-7LBLL	4 x CP2667-113	
	CP6518-9LBLL	4 x CP2667-125	
	CP6518-4LBSSL	4 x CP2632-113 8	2 x CP2667-105
6 Piston	CP6518-7LBSSL	4 x CP4100-121 8	2 x CP2667-113
	CP6518-9LBSSL	4 x CP3432-134 8	& 2 x CP2667-125

# REPLACEMENT CALIPER SEALS

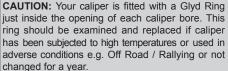
Brake calipers are a safety critical item and AP Racing recommend that calipers are reconditioned and piston seals inspected regularly to maintain optimum performance. Where calipers have been subjected to high temperatures or have been used in adverse conditions e.g. Off Road / Rallying, the calipers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

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

#### CP4509 (SEAL ON PISTON)

- 1) Soak new seals in brake fluid for minimum of 30 minutes.
- 2) Clean brake caliper with warm soapy water and dry off.
- 3) With the pads removed insert a brake disc or block into the centre of the caliper. Using either hydraulic pressure or compressed air carefully extend all pistons against the disc or block. Remove block

and remove pistons. Keep all body parts away from escaping air and caliper pistons.





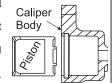
- 4) Carefully remove old seals from piston with a narrow blunt edged tool 5) Ensure that caliper bores, seal grooves and pistons are clean and free from debris and moisture. Use only Alcohol based cleaning fluid, not Mineral oil.
- 6) Carefully fit replacement seal into groove on piston ensuring that 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 Caliper against the disc or block. Remove block and Body
- 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

AP RACING

#### 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.

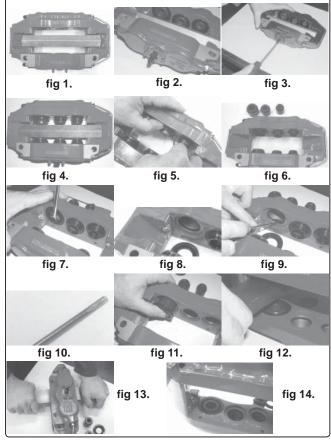
# Do not use chemical cleaners of any kind or petrol/gasoline or mineral oil based, as these will cause permanent damage to the new seals.

- 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 of 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.



#### **ORDERING**

To determine the correct seal kit proceed as follows:-

- If you know the part number of your caliper then determine the correct part number of the kit required by referring to the individual caliper listings.
- 2) If you do not know the part number of your caliper then proceed as follows:-
- a) measure the nominal piston diameters.
- b) determine the type by comparison with the drawings on pages 31/32.
- c) Look at the column (caliper bore in mm) identify your sizes. The relevant kit number can be found on the right.
- d) When ordering please quote the seal kit part no, given on the right hand side from the relevant table, then contact your nearest AP Racing stockist for availability.
- 3) Each kit contains seals to repair one caliper:-
- a) One letter after Kit Nos = 2 seals, e.g. -J
- b) Two letters after Kit Nos= 4 seals, e.g. -JJ
- c) Three letters after Kit Nos = 6 seals, e.g. -CEJ
- d) Four letters after kit Nos = 8 seals, e.g. -AEAE
- **NB.** Kits are priced more competitively compared to purchasing individual seals.
- **NB**. With CP4519, CP4525 and CP4527 seal kits, the appropriate number of dirt seals and or boot seals are also included.
- NB. Kits contain one caliper set of seals e.g. 2, 4, 6, or 8.





# BRAKE CALIPERS - Replacement Caliper Seals

	Caliper Bore identification Letters and Size Reference mm (inch)											
<b>A</b> = 25.4	<b>B</b> = 26.0	<b>C</b> = 27.0	<b>D</b> = 28.6	<b>E</b> = 31.8	E 240	<b>G</b> = 34.9	<b>H</b> = 36.0	<b>J</b> = 38.1	<b>K</b> = 41.3	<b>L</b> = 44.5	M = 47.6	<b>N</b> = 50.8
(1.00")	<b>B</b> = 20.0	(1.06")	(1.125")	(1.25")	<b>F</b> = 34.0	(1.375")	<b>n</b> = 36.0	(1.50")	(1.625")	(1.75")	(1.875")	(2.00")

Caliper Bore		bore' Replacement seals and kit part nur 'Standard' high temperature seals.		CP8518 - 'Very' high temperature seals.	Seal Kits	Calipe
25.4	CP4900-172	Individual Part No.	CP4518-A	Individual Part No.		
31.8	CP4900-168		CP4518-E			
36.0 38.1	CP4900-165 CP4900-164		CP4518-H CP4518-J			2 Pistor
1.3	CP4900-163		CP4518-K			2 1 10101
14.5 50.8	CP4900-162 CP4900-160		CP4518-L CP4518-N	CP4900-282	CP8518-L	-
25.4	CP4900-172		CP4518-AA			
25.4 / 28.6		/ CP4900.169	CP4518-AD			
25.4 / 31.8 27.0 / 28.6		/ CP4900-168 / CP4900-169	CP4518-AE CP4518-CD	-		1
27.0 / 31.8	CP4900-170	/ CP4900-168	CP4518-CE	CP4900-290 / CP4900-288	CP8518-CE	
27.0 / 34.0 27.0 / 34.9		/ CP4900-167 / CP4900-166	CP4518-CF CP4518-CG			
28.6	CP4900-170	7 01 4900-100	CP4518-DD			1
28.6 / 31.8		/ CP4900-168	CP4518-DE	OD4000 000 / OD4000 000	000510 00	
28.6 / 34.9 28.6 / 36.0		/ CP4900-166 / CP4900-165	CP4518-DG CP4518-DH	CP4900-289 / CP4900-286	CP8518-DG	
31.8	CP4900-168		CP4518-EE			
31.8 / 34.9 31.8 / 36.0		/ CP4900-166 / CP4900-165	CP4518-EG CP4518-EH		CP8518-EH	-
34.0 / 41.3		7 01 4900-103	CP4518-FK		CI 0310-EII	4 Pistor
34.9	CP4900-166		CP4518-GG		0000000	
34.9 / 41.3 36.0	CP4900-166 CP4900-165	/ CP4900-163	CP4518-GK CP4518-HH	CP4900-286 / CP4900-283	CP8518-GK	-
36.0 / 38.1		/ CP4900-164	CP4518-HJ			_
36.0 / 41.3	OD4000 405	/ OD4000 400	OD4540 LII	CP4900-285 / CP4900-283	CP8518-HK	
36.0 / 44.5 38.1	CP4900-165 CP4900-164	/ CP4900-162	CP4518-HL CP4518-JJ	CP4900-285 / CP4900-282	CP8518-HL	-
38.1 / 41.3	CP4900-164	/ CP4900-163	CP4518-JK	CP4900-284 / CP4900-283	CP8518-JK	1
38.1 / 44.5 41.3	CP4900-164 CP4900-163	/ CP4900-162	CP4518-JL CP4518-KK			-
41.3 / 44.5		/ CP4900-162	CP4518-KL			1
44.5	CP4900-162		CP4518-LL			
44.5 / 47.6 25.4	CP4900-162 CP4900-172	/ CP4900-161	CP4518-LM CP4518-AAA		_	
25.4 / 27.0 / 28.6		/ CP4900-170 / CP4900-169	CP4518-ACD	CP4900-292 / CP4900-290 / CP4900-289	CP8518-ACD	1
25.4 / 27.0 / 31.8		/ CP4900-170 / CP4900-168	CP4518-ACE			
25.4 / 28.6 26.0 / 27.0 / 31.8		/ CP4900-169 / CP4900-170 / CP4900-168	CP4518-ADD CP4518-BCE	CP4900-291 / CP4900-290 / CP4900-288	CP8518-BCE	
26.0 / 31.8 / 34.9 26.0 / 31.8 / 36.0 27.0 / 28.6 / 31.8	CP4900-171	/ CP4900-168 / CP4900-165	CP4518-BEG CP4518-BEH	CP4900-291 / CP4900-288 / CP4900-285	CP8518-BEH CP8518-CDE	6 Pistor
27.0 / 31.8 / 38.1 28.6 / 31.8 / 41.3		/ CP4900-168 / CP4900-164 / CP4900-168 / CP4900-163	CP4518-CEJ CP4518-DEK	CP4900-290 / CP4900-288 / CP4900-284	CP8518-CEJ	
31.8 / 34.0 / 41.3	CP4900-168	/ CP4900-167 / CP4900-163	CP4518-EEE CP4518-EFK	CP4900-288 / CP4900-287 / CP4900-283	CP8518-EFK	
31.8 / 34.9 / 44.5	CP4900-168	/ CP4900-166 / CP4900-162	CP4518-EGL	G1 1000 2007 G1 1000 2017 G1 1000 200	0. 00.0 2.11	
25.4 CD4F40 (Coo		/ CP4900-168	CP4518-AEAE	CD4500 (Cool on minton) nonlessment cool		8 Piston
41.3		eplacement seals and dirt seal Part (CP3477-114) / 113094 Retainer	CP4508-K	CP4509 - 'Seal on piston' replacement seal	s and Sear Kit	Part NO
44.5		(119990) / 3662-298 Retainer	CP4508-L			
31.8 36.0		(CP3477-105)	CP4519-E CP4519-H			2 Pistor
38.1	CP4949-113 CP4949-114	(CP3477-116)	CP4519-H			2 PISIOI
41.3	CP4949-115	(CP3477-114)	CP4519-K			
44.5 27.0	CP4949-116	(119990) (CP4098-106)	CP4519-L CP4519-CC			
27.0 / 31.8		(CP4098-106) / CP4949-110 (CP3477-105)	CP4519-CE			
28.6 / 36.0	CP2414-118	(4477-108) / CP4949-113 (CP4477-108)	CP4519-DH	CD2704 429 CD2704 425	CP4509-DG	
28.6 / 34.9 31.8	CP4949-110	(CP3477-105)	CP4519-EE	CP3724-138 CP3724-135 CP3724-137	CP4509-DG	
31.8 / 36.0				CP3724-137 / CP3724-134	CP4509-EH	
31.8 / 38.1 34.9 / 41.3				CP3724-137 / CP3724-133 CP3724-135 / CP3724-132	CP4509-EJ CP4509-GK	4 Pistor
36.0 / 38.1	CP4949-113	(3853-742) / CP4949-114 (3865-742)	CP4519-HJ	CF3724*1337 CF3724*132	CF 4509-GR	
38.1		(CP3477-116)	CP4519-JJ	CP3724-133	CP4509-JJ	
38.1 / 41.3 38.1 / 44.5	CP4949-114	(CP3477-116) / CP4949-115 (CP3477-114)	CP4519-JK	CP3724-133 / CP3724-132 CP3724-133 / CP3724-131	CP4509-JK CP4509-JL	-
41.3 / 44.5		(CP3477-114) / CP4949-116 (119990)	CP4519-KL	CP3724-132 / CP3724-131	CP4509-KL	
25.4 / 28.6		(CP4477-109) / CP4900-169 (CP4477-108) (CP4098-106) / CP4949-110 (CP3477-105) /	CP4519-ADD			
27.0 / 31.8 / 38.1		(CP3477-105) / CP4949-110 (CP3477-105) /	CP4519-CEJ	CP3724-139 / CP3724-137 / CP3724-133	CP4509-CEJ	6 Pistor
28.6 / 31.8 / 41.3				CP3724-138 / CP3724-137 / CP3724-132	CP4509-DEK	
		ot type seal' - Replacement seal and kit		CP4527- 'Seal in bore' - 'Boot type seal' - Replacen		t Part No
<b>CF</b> 38.1		ridual Seal & Boot Part No. (CP6200-114)	Seal Kit CP4525-J	CP4527 - Individual Seal & Boot Part No.	Seal Kit	
11.3		(CP6200-114) (CP6200-115)	CP4525-J			2 Pistor
27.0	CP4949-108	(CP7040-106)	CP4525-CC	CP4949-108 (CP8420-110)	CP4527-CC	
28.6 28.6 / 31.8	CP5107-109	(CP7040-106)	CP4525-DD	CP4949-109 (CP6691-101) / CP4949-110 (CP6016-107)	CP4527-DE	-
31.8 31.8 / 36.0		(CP6200-112) (CP6200-112) / CP4949-113 (CP6200-114)	CP4525-EE CP4525-EH	CP4949-110 (CP6016-107)	CP4527-EE	4 Pistor
				CP4949-113 (CP6696-109)	CP4527-HH	
38.1 38.1 / 41.3		(CP6200-114) (CP6200-114) / CP4949-115 (CP6200-115)	CP4525-JJ CP4525-JK	CP4949-114 (CP7516-108) CP4949-114 (CP7516-108) / CP4949-115 (CP7516-109)	CP4527-JK	-
		(CP7040-114) / CP4949-113 (CP6200-113)		CP4949-114 (CP7516-108) / CP4949-115 (CP7516-109) CP4949-108 (CP8420-110) / CP4949-110 (CP6016-107)		
27.0 / 31.8 / 38.1		(CP6200-114)	CP4525-CEJ	/ CP4949-114 (CP7516-108)	CP4527-CEJ	_
31.8 / 31.8 / 41.3	CP4949-110	(CP6200-112) / CP4949-113 /		CP4949-110 (CP6016-107) / CP4949-115 (CP7516-109)	CP4527-EEK	-
31.8 / 36.0 / 38.1	CP4949-114	(CP6200-114 x 4)	CP4525-EHJ			6 Pistor
36.0 / 38.1 / 41.3		/ CP4949-114 (CP6200-114 x 4) / (CP6200-115)	CP4525-HJK			J FISIO
	1		1	CP4949-110 (CP6016-107) / CP4949-113 (CP6696-109)	OD 4507 EUIK	1
31.8 / 36.0 / 41.3				/ CP4949-115 (CP7516-109)	CP4527-EHK	

