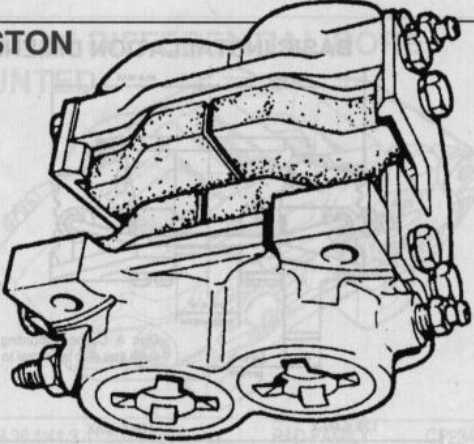


Works type AP 4spot calipers, otherwise known as closed fist or Forest calipers. AP type CP 2361 LH / 2362 RH

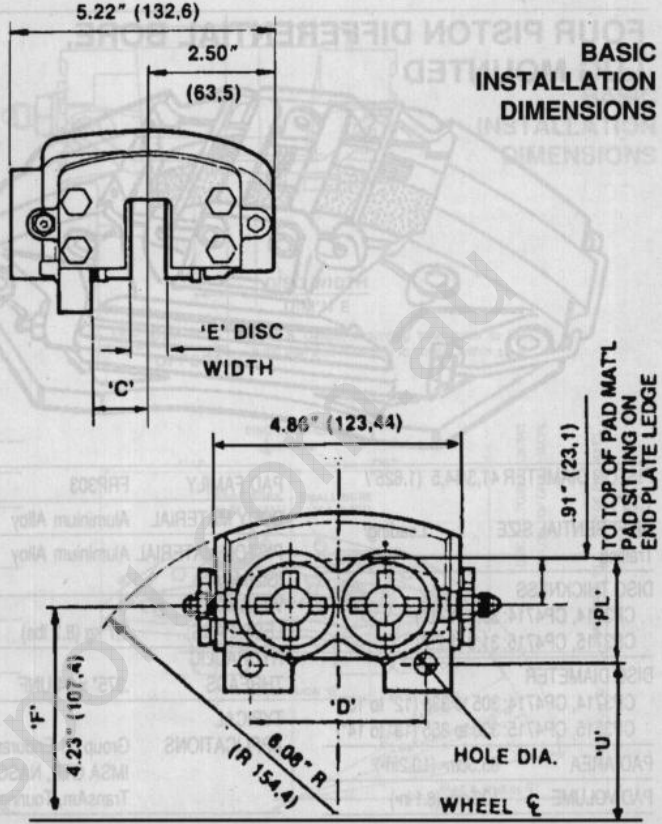
### CP2361 FOUR PISTON




PISTON DIAMETER	38,1 (1.50")
DISC THICKNESS	9,7/12,7 (.38"/.50")
	19,8/20,7 (.78"/.815")
DISC DIAMETER	247,7 to 266,7 (9.75" to 10.50")
PAD FAMILY	CP2340
PAD AREA	45,2cm² (7.00in²) Scalloped -41,3cm² (6.40in²)
BODY MATERIAL	Aluminium Alloy

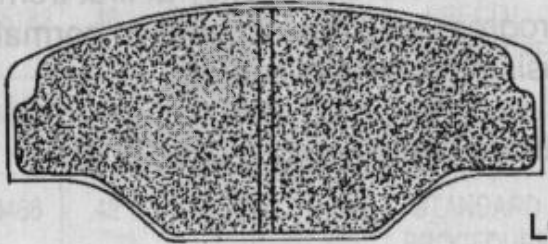
PISTON MATERIAL	Aluminium Alloy (Standard)
WEIGHT	
LESS PADS	2,0 kg (4.4 lbs)
HYDRAULIC THREADS	.375" x 24 UNF
TYPICAL APPLICATIONS	F3, F. Atlantic, Sports, GT, Rally, Light Circle Track

### BASIC INSTALLATION DIMENSIONS



**SPVracing** Call Toll Free 008 804 482





### LOCKHEED CALIPER

CP2340	CP2632
CP2361	CP2661
CP2385	CP3228

**FRP201**  
DS11, 2430F, 2459F, M171

Overall thickness 0.620" = 15.75mm

## STANDARD DISC SIZES

DIAMETER mm (inches)	THICKNESS mm (inches)	MOUNTING DETAILS mm (inches)	TYPICAL APPLICATIONS/ NOTES
355 (14.00)	35,5 (1.40)	12 Bolt Ø228,6 (9.00) PCD	Group C1, Group A front
355 (14.00)	32 (1.25)	12 Bolt Ø228,6 (9.00) PCD	Group C1, Group A front
330 (13.00)	35,5 (1.40)	12 Bolt Ø203,2 (8.00) PCD	Group C1, Group A front
330 (13.00)	32 (1.25)	12 Bolt Ø203,2 (8.00) PCD	Group C1, Group A front
328 (12.90)	28 (1.10)	12 Bolt Ø203,2 (8.00) PCD	CART/INDY, Group A
315 (12.40)	32 (1.25)	12 Bolt Ø177,8 (7.00) PCD	Group A Race & Rally, Group C2
315 (12.40)	28 (1.10)	12 Bolt Ø177,8 (7.00) PCD	Group A Race & Rally, Group C2
304 (11.97)	28 (1.10)	12 Bolt Ø177,8 (7.00) PCD	Group A Race rear, Rally front
304 (11.97)	25,4 (1.00)	12 Bolt Ø177,8 (7.00) PCD	Group A Race rear, Rally front
280 (11.02)	28 (1.10)	8 Bolt Ø176,8 (6.96) PCD	Grand Champion
280 (11.02)	25,4 (1.00)	8 Bolt Ø176,8 (6.96) PCD	F3000, Group A rear
280 (11.02)	22,9 (.90)	8 Bolt Ø176,8 (6.96) PCD	F3000, Group A rear
280 (11.02)	20,7 (.815)	8 Bolt Ø176,8 (6.96) PCD	F3000, Group A rear
267 (10.50)	20,7 (.815)	6 Bolt Ø139,7 (5.50) PCD	Small saloons, Race Rally & Roads
267 (10.50)	9,7 (.38)	4 Bolt	F3, Solid disc, Integral Bell
248 (9.75)	7,1 (.28)	4 Bolt	FF1600, Solid disc, Integral Bell

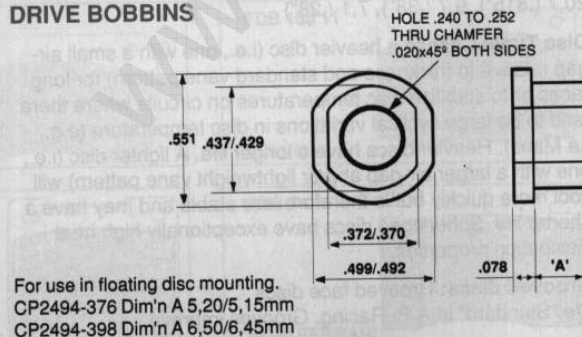
## DISC TEMPERATURES

In order to achieve optimum racing brake performance and prolong disc life it essential that all the brakes operate at the correct temperatures. Dissimilar temperatures will lead to varying brake balance.

In general, discs should run at similar temperatures both front and rear and from side to side. Maximum disc bulk temperatures vary according to the pad material being used, but for a material such as DS11 the bulk temperatures should be maintained in the range 400° C to 600° C. Disc face peak temperatures may be higher but should not exceed the maximum recommended for the pad material. Circuits and drivers vary enormously in the amount of work they demand from the brakes and therefore the brake system has to be tuned for each circuit by adjustment of the cooling air flow. High maximum to low minimum temperature cycles are the enemy of disc life.

Disc surface temperatures can be checked as soon as the car stops in the pit area with a Pyrometer to determine balance. Maximum temperatures can only be satisfactorily checked using Thermal Paints on the discs. (A.P. Racing kit part number CP2649-1). It is important to complete several successive laps at race speeds to allow temperatures to stabilize before making an assessment of bulk temperatures.

## CP2494 DRIVE BOBBINS



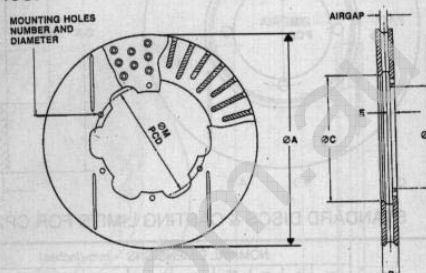
## VENTILATED BRAKE DISC

### CP2261

## STANDARD STRAIGHT VANE

### CHARACTERISTICS:

Small reliable non-handled disc especially suitable for a wide range of road car conversions.



## STANDARD DISCS & CASTING LIMITS FOR CP2261 DISCS

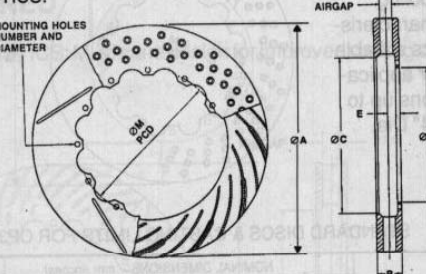
PART NUMBER	NOMINAL DIMENSIONS -- mm (inches)							NOTES		
	ØA OUTSIDE DIA.	B THICK- NESS	ØC EYE DIA.	ØD FLANGE INSIDE DIA.	E OFFSET	MOUNTING HOLES			APPROX. WEIGHT (Kg)	
	No.	DIA.	ØM PCD							
CP2261-1C	MAX. 275 (10.8)	MAX. 27 (1.1)	-	MIN. 118 (4.6)	-	-	-	-	Casting limitation dimensions Air gap 9.2mm	
CP2261-4B	266.7 (10.50)	20.7 (.815)	155 (6.10)	125.8 (4.95)	10.35 (.407)	6	6.4 (.25)	139.7 (5.50)		

### CP3047

## LIGHTWEIGHT CURVED VANE

### CHARACTERISTICS:

Good cooling characteristics suitable for a wide range of applications.



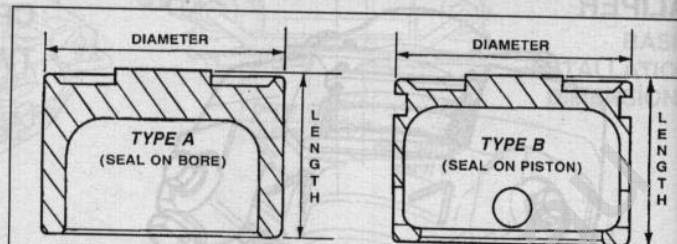
## STANDARD DISCS & CASTING LIMITS FOR CP3047 DISCS

PART NUMBER	NOMINAL DIMENSIONS -- mm (inches)								NOTES	
	ØA OUTSIDE DIA.	B THICK- NESS	ØC EYE DIA.	ØD FLANGE INSIDE DIA.	E OFFSET	MOUNTING HOLES				APPROX. WEIGHT (Kg)
	No.	DIA.	ØM PCD							
CP3047-1C (CASTING)	MAX. 345 (13.6)	MAX. 36 (1.42)	-	MIN. 155 (6.1)	-	-	-	-	A/G 16.0 mm Cast. limit. dimensions	
CP3047-222/223	330 (13.0)	32 (1.25)	220 (8.66)	190 (7.48)	16,0 (.63)	12	6,4 (.25)	203,2 (8.00)	6,4 Grp. C, Grp. Race	
CP3047-144/145	328 (12.90)	28 (1.10)	222 (8.74)	190,4 (7.50)	14,0 (.55)	12	6,4 (.25)	203,2 (8.00)	5,0	
CP3047-216/217	315 (12.40)	32 (1.263)	210 (8.27)	164,3 (6.47)	16,0 (.63)	12	6,4 (.25)	177,8 (7.00)	5,6	
CP3045-230/231	304 (11.97)	25,4 (1.00)	203,2 (8.00)	164,3 (6.47)	12,7 (.50)	8	6,4 (.25)	177,8 (7.00)	3,5	



## REPLACEMENT PISTONS AND SEALS

THE FOLLOWING IS A LIST OF THE MAIN PISTON SIZES AS USED IN THE AP RACING RANGE OF BRAKE CALIPERS, TOGETHER WITH DETAILS OF THE SEALS AND ANTI-KNOCKBACK SPRINGS THAT CAN BE USED. THE PISTON SHOULD BE REMOVED FROM THE CALIPER FOR CORRECT IDENTIFICATION. REFER TO THE CHART FOR THE PISTON DIAMETER, LENGTH AND TYPE. IF THE PISTON YOU REQUIRE DOES NOT APPEAR IN THE CHART PLEASE REFER TO **SPV racing** TECHNICAL DEPARTMENT AS THE CHART ONLY COVERS THE MORE POPULAR SIZES.



PISTON Ø	PISTON LENGTH		ALUMINIUM PISTON	T Y P E	SEAL NUMBER	TITANIUM PISTON	T Y P E	CROSS HOLES	SEAL NUMBER
	mm	inches							
26.97	18.03	(0.71)	CP3666-105	A	CP2632-125				
(1.062)	28.45	(1.12)	CP3679-107	B	CP3555-208				
	28.70	(1.13)	CP3760-111	B	CP3555-208	CP3596-130	B		CP3555-208
	35.30	(1.39)				CP3596-117	B	6	CP3555-208
28.45	30.22	(1.19)				CP3525-111	B		CP3555-203
(1.120)	34.29	(1.35)	CP3555-111	B	CP3555-203	CP3555-114	B		CP3555-203
28.57	18.03	(0.71)	CP3485-106	A	CP2414-118				
(1.125)	26.92	(1.06)				CP3578-103	B		CP3555-203
	28.45	(1.12)	CP3579-108	B	CP3555-203				
	28.70	(1.13)				CP3596-109	B		CP3555-203
	36.07	(1.42)				CP3601-112	B		CP3555-203
	40.39	(1.59)				CP3755-105	B	10	CP3555-203
	41.40	(1.63)				CP3755-172	B	6	CP3555-203
31.75	25.65	(1.01)	CP3349-103	A	CP2414-117	CP3556-103	B		CP3555-205
(1.250)	27.43	(1.08)	CP2661-109	A	CP2414-117	CP3416-112	B		CP3555-205
	28.45	(1.12)	CP3579-107	B	CP3555-205				
	28.70	(1.13)	CP3760-110	B	CP3555-205	CP3620-103	B		CP3555-205
	28.95	(1.14)	CP3449-112	A	CP2414-117	CP3477-108	B		CP2414-117
	30.23	(1.19)				CP3432-115	B		CP3555-205
	31.50	(1.24)				CP3432-121	B		CP3555-205
	34.30	(1.35)	CP3555-110	B	CP3555-205	CP3555-143	B		CP3555-205
34.93	15.50	(0.61)	CP3369-114	A	CP2340-16				
(1.375)	18.03	(0.71)	CP3485-105	A	CP2340-16				
	25.65	(1.01)	CP3567-108	A	CP2340-16				
	26.67	(1.05)	CP3727-107	A	CP2340-16				
	28.70	(1.13)				CP3596-111	B		CP3555-209
	36.06	(1.42)				CP3601-110	B		CP3555-209
	37.60	(1.48)				CP3557-114	B		
	38.60	(1.52)				CP3545-109	B		CP3555-209
	39.87	(1.57)				CP3601-354	B		
38.1	25.65	(1.01)	CP3228-103	A	CP2370-2	CP3344-125	A		CP2370-2
(1.50)	26.42	(1.04)	CP3257-108	B	CP3555-210	CP3257-118	B		CP3555-210
	27.43	(1.08)	CP2260-66	A	CP2370-2	CP3257-123	B		CP3555-210
	28.49	(1.12)	CP3579-106	B	CP3555-210				
	28.70	(1.13)				CP3720-115	B		CP3555-210
	30.99	(1.22)	CP2361-4	A	CP2370-2				
	35.31	(1.39)				CP3596-119	B	8	CP3555-210
41.15	26.92	(1.06)				CP3440-208	B		CP3555-204
(1.62)	27.43	(1.08)				CP3257-124	B		CP3555-204
	28.95	(1.14)	CP2270-142	A	CP2270-69				
	29.72	(1.17)				CP3298-106	B		CP3555-204
	31.24	(1.23)	CP2887-118	A	CP2270-69	CP3238-109	B		CP3555-204



Early type cast AP calipers known as Princess Calipers in the UK



