

A1 INSTALLATION DRAWING

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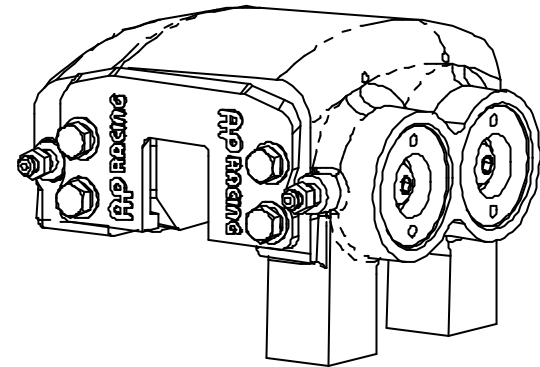
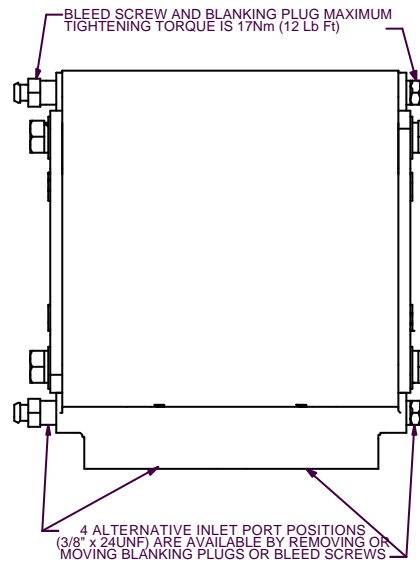
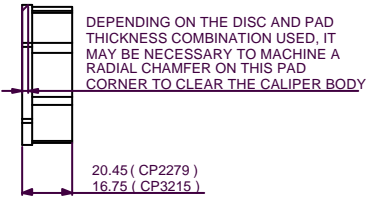
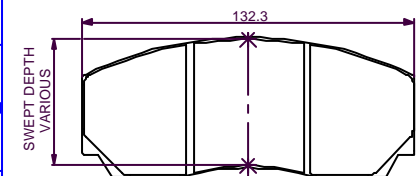
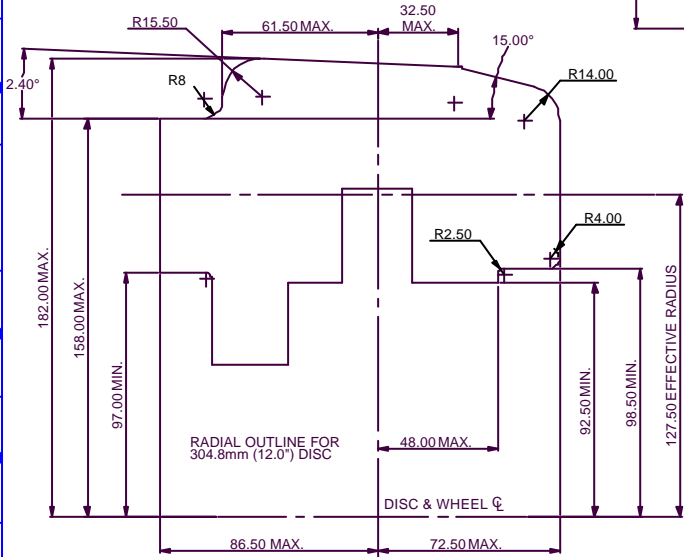
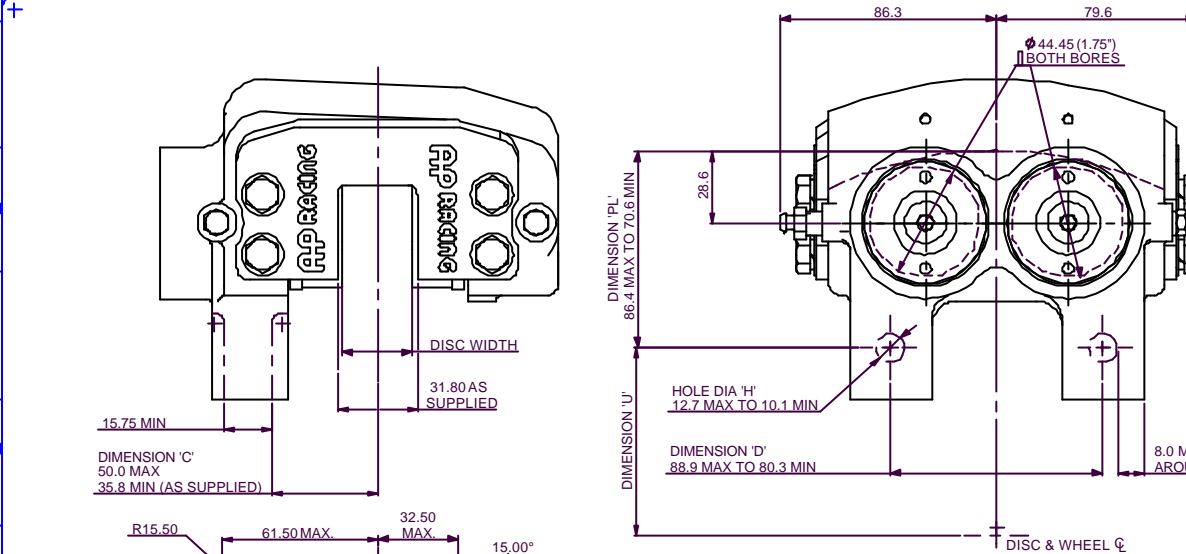


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Issue No	Alterations		Zone	Think
	Date & No.	Particulars		
1	07/06/04 B3940	FIRST ISSUE		DRG



GENERAL DESCRIPTION:

THIS IS A 4 PISTON CLOSED BACK CALIPER WITH BLANK MOUNTING LUGS. THE MOUNTING LUGS MAY BE MACHINED WITHIN THE PARAMETERS GIVEN. IT IS DESIGNED TO OPERATE ON A CAST IRON DISC Ø304.8 x 27.9 THICK IN A Ø381.0 (15.0") WHEEL. IT CAN ALSO BE USED ON DISCS RANGING FROM Ø256.1 TO Ø330.2 (10.20" TO 13.0"), DISCS UP TO 31.8 (1.25") THICK CAN ALSO BE USED, BY OPENING THE END PLATE SLOTS TO 35.6 (1.4"). THE CALIPER IS UNHANCED AND CAN BE USED IN LEADING OR TRAILING LOCATIONS BY ADJUSTMENT OF BLEED SCREW POSITION.

SEALS ARE HIGH TEMPERATURE 'SEAL-IN-BORE' TYPE.

TYPICAL APPLICATION:

HISTORIC SPORTS CARS

TECHNICAL INFORMATION:

TOTAL PISTON AREA: 62.1cm²
PISTON MATERIAL: ALUMINIUM ALLOY
BODY MATERIAL: ALUMINIUM ALLOY
ALL HYDRAULIC CONNECTIONS 3/8" x 24UNF
PISTON ANTI-KNOCK BACK SPRINGS 14Lb FITTED ASSEMBLY WEIGHT: 3.4 Kg. (WITHOUT PADS)

INSTALLATION INFORMATION:

DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN ±0.5 mm.

KEY TO DIMENSIONS:

DIMENSION 'PL': TOP OF PAD MATERIAL TO MOUNTING HOLE CENTRE LINE WITH PAD SITTING DOWN ON LEDGE. TO BE SET BY THE CUSTOMER WITHIN THE PARAMETERS GIVEN.

DIMENSION 'U': WHEEL CENTRE LINE TO CALIPER MOUNTING HOLE CENTRE LINE. DETERMINED USING THE FOLLOWING FORMULA.

$$(DISC \text{ DIA} / 2) + 0.5 - \text{DIMENSION 'PL'} \text{ (UNITS mm)}$$

THIS FORMULA APPLIES TO DISCS UP TO 304.8mm. FOR DISCS LARGER THAN THIS IT MAY BE NECESSARY TO INCREASE THE PAD OVERLAP TO GREATER THAN THE 0.5mm IN THE FORMULA. THE CRITERIA WILL BE TO ENSURE THE DISC IS RADIIALLY CLEAR OF THE END PLATE SLOT BY 2.0mm MINIMUM.

DIMENSION 'C': OFFSET. DISC CENTRE LINE TO MOUNTING FACE. TO BE SET BY THE CUSTOMER WITHIN THE PARAMETERS GIVEN.

AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR APPLICATION.

REPLACEMENT SEAL KIT:

SEAL KIT (HIGH TEMPERATURE) CP4518-LL

PAD FAMILY CP2279 OR CP3215
PAD AREA 55.0 TO 60 CM²

SCALE 1:1	SHEET 1 OF 1
DRAWN D.ARROWSMITH	
APPROVED	
DERIVED FROM	
TITLE INSTALLATION OF 4 x 1.75" CLOSED BACK CALIPER	
DRG NO.	CP2279-400CD