

B1 INSTALLATION DRAWING

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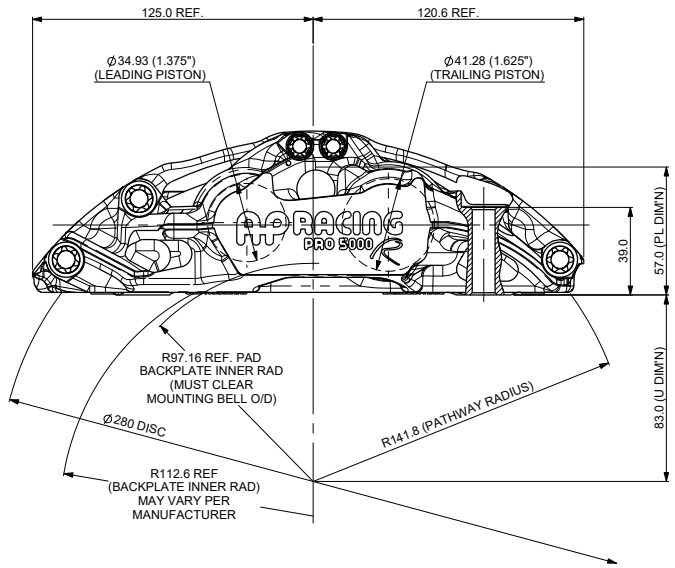
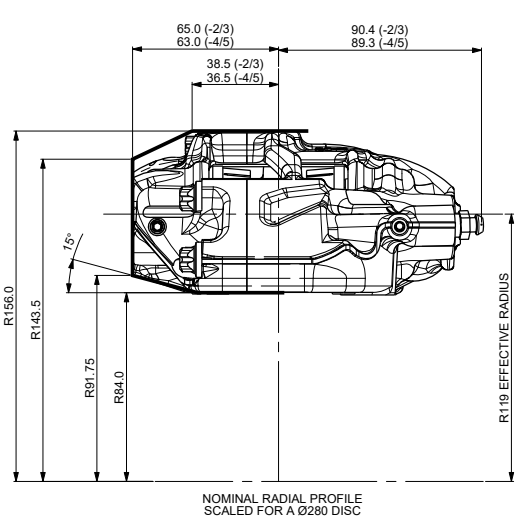
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GENERAL DESCRIPTION
THIS 4 PISTON DIFFERENTIAL BORE CALIPER HAS AN INTEGRAL PAD RETAINER TO ENHANCE STIFFNESS. IT SUITS A Ø280 IRON DISC AND IS AVAILABLE IN TWO VERSIONS, TO SUIT DISC THICKNESSES OF 22-25.4mm AND 18-21mm.

APPLICATION
CALIPER TO FIT INSIDE A 13" WHEEL, GENERALLY FOR SINGLE-SEATERS.

TECHNICAL INFORMATION
TOTAL PISTON AREA: 45.9cm²
BODY MATERIAL: ALUMINIUM ALLOY
PISTON MATERIAL: STAINLESS STEEL

ASSEMBLY WEIGHT (LESS PADS): 1.86Kg

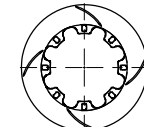
INSTALLATION INFORMATION
DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN ±0.5mm. DISC DIAMETRAL CLEARANCE SHOULD BE 1.8mm NOMINAL FROM DISC O/D TO PATHWAY.

KEY TO DIMENSIONS
'PL' DIMN : TOP OF PAD MATERIAL TO MOUNTING BOSS FACE.
'U' DIMN : WHEEL CENTRE LINE TO CALIPER MOUNTING BOSS FACE = (DISC Ø/2) - PL DIMN

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

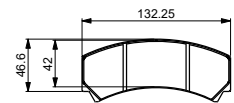
CALIPER PART NUMBERS
CP9444-2S0L - RIGHT HAND (22-25.4mm THICK DISC)
CP9444-3S0L - LEFT HAND (22-25.4mm THICK DISC)
CP9444-4S0L - RIGHT HAND (18-21mm THICK DISC)
CP9444-5S0L - LEFT HAND (18-21mm THICK DISC)

RECOMMENDED DISC AND PAD OPTIONS AVAILABLE
D42 DISC AND PAD COMBINATION



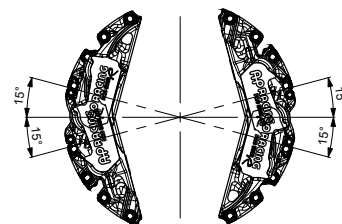
- CP3947-138/9CG4 Ø280x18.0 8F 47v 2.81Kg
- CP3947-140/1CG4 Ø280x21.0 8F 47v 3.52Kg
- CP4448-208/9CG4 Ø280x22.0 8F 48v 3.27Kg
- CP4448-210/1CG4 Ø280x25.4 8F 48v 4.07Kg

SEE CUSTOMER DRAWING FOR FULL DETAIL

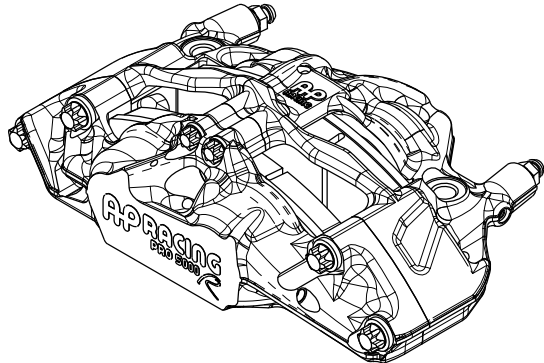
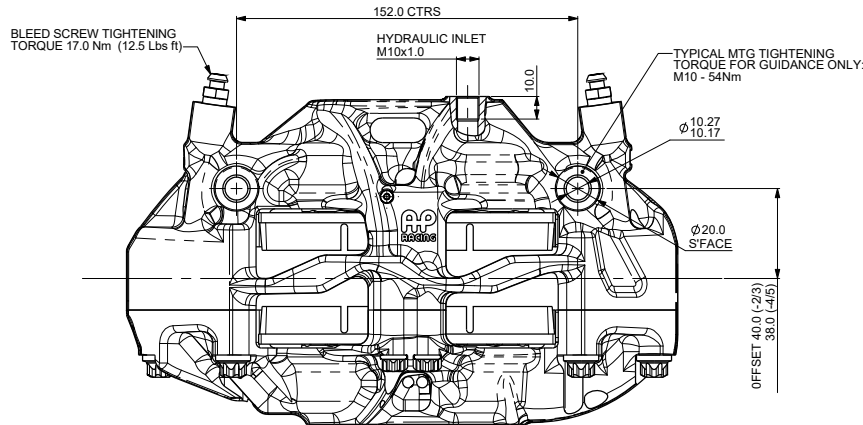


CP3215D42 PAD FAMILY
PAD THICKNESS - 16.75mm
PAD AREA - 48.3cm²
PAD VOLUME - 60.9cm³

OPTIMUM BLEED POSITIONING



FOR OPTIMUM BLEED, THE CALIPER SHOULD BE INSTALLED IN THE TRAILING POSITION BETWEEN THE ANGLES SHOWN



Rev	Alterations			Zone	Initials
	Date & No.	Particulars	#		
1	APR '15 B7249	FIRST ISSUE		JT	
2	AUG '15 B7249	DISC RECOMMENDATIONS TABLE CORRECTED	15G	JT	
3	SEPT '15 B7249	PICTORIAL UPDATE	7F	JT	
4	13 JAN '16 B7306_07	SHT2: PAD ABUTMENT ROD (ITEM 7) WAS CP9444-116 & -117 TUBE	2K	JT	

SCALE 1:1	SHEET 1 OF 2
DRAWN Jon Tait	
APPROVED	
DERIVED FROM #	
TITLE 4-PISTON PRO 5000 R CALIPER INSTALLATION	
DRG NO.	CP9444-1CD

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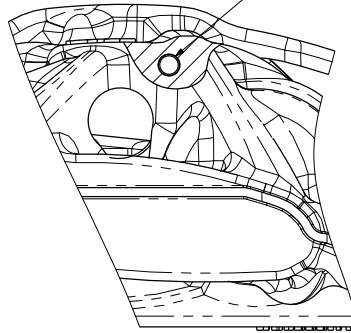
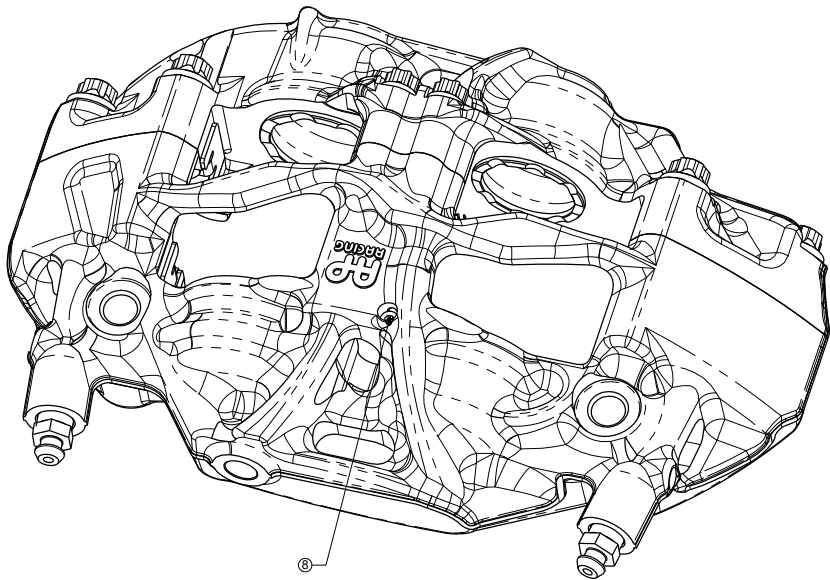


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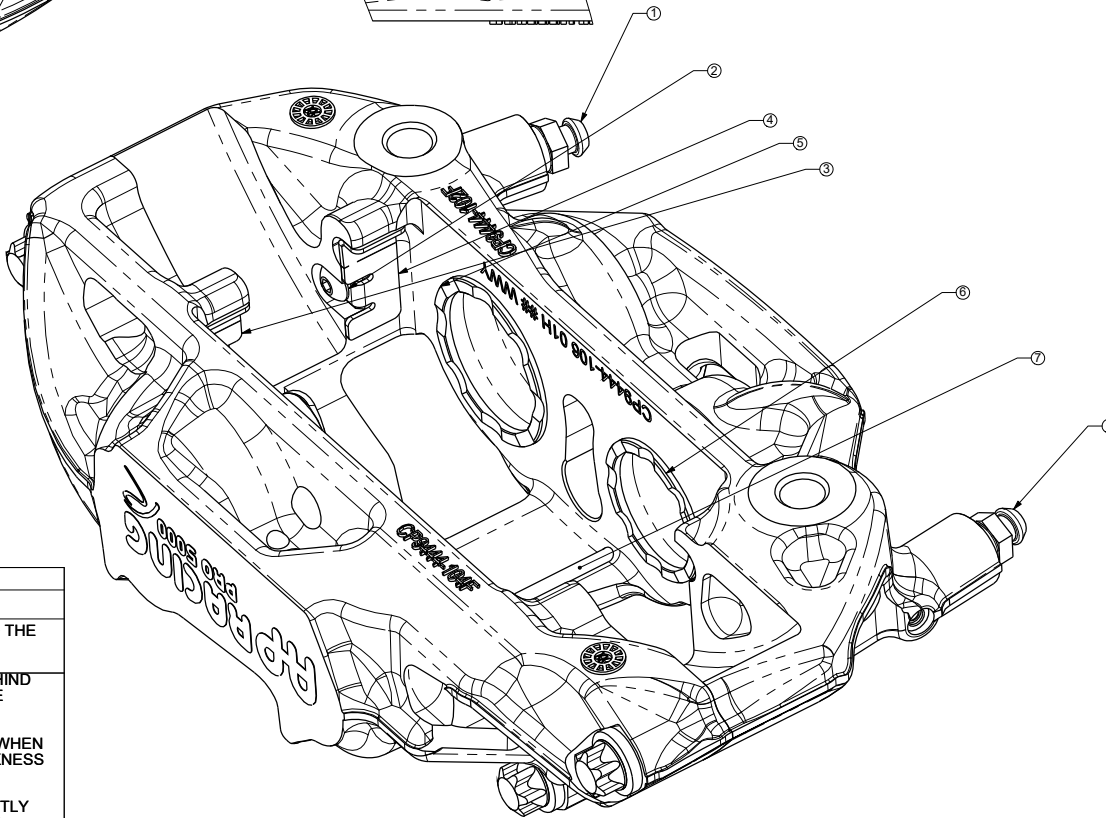


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TO REPLACE A WORN OR DAMAGED PAD ABUTMENT ROD, REMOVE M3 SCREW (8) AND DRIVE ROD OUT WITH A PIN PUNCH FROM COVER SIDE. CLEAN UP HOLE. FIT NEW ROD WITH A SMEAR OF 736 RTV SILICONE & RE-FIT SCREW.



Alterations			
Date & No.	Particulars	Zone	Initials
	SEE SHEET1 FOR ISSUE INFORMATION.		

REF	PART NUMBER	DESCRIPTION	QUANTITY	FITTING NOTES
1	CP3880-1	M10 BLEED SCREW KIT	2	TIGHTENING TORQUE - 17Nm
2	CP9440-116ST	M5x10 BUTTON SCREW	2	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE - 3.7Nm
3	CP9444-112	RH WEARPLATE	1	APPLY 736 RTV SILICONE SPARINGLY BEHIND THE ABUTMENT PLATE ENSURING ENTIRE CONTACT FACE IS COVERED. APPLY PRESSURE TO ABUTMENT PLATE WHEN FITTING TO ENSURE MINIMUM FILM THICKNESS AND AVOID ANY GAP.
4	CP9444-113	LH WEARPLATE		ENSURE ABUTMENT PLATE SITS CORRECTLY AGAINST CALIPER BODY BEFORE FITTING RETAINING SCREW.
5	CP9444-111	Ø1 5/8" SST PISTON	2	
6	CP9444-110	Ø1 3/8" SST PISTON	2	
7	CP9444-119 CP9444-120	PAD ABUTMENT ROD	1 1	SUITS CP9444-2/3* SEE NOTES ON FITMENT SUITS CP9444-4/5* SEE NOTES ON FITMENT
8	CP9444-118ST CP8518-GK	M3x6 CAP SCREW PISTON SEAL KIT	1 1	REMOVE TO REPLACE PAD ABUTMENT TUBE REFER TO PUBLICATION REF: P14.290 & P14.220

SCALE 1:1	SHEET 2 OF 2
DRAWN Jon Tait	
APPROVED	
DERIVED FROM #	
TITLE SPARES	
DRG NO.	CP9444-1CD