

B1

INSTALLATION DRAWING

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FIRST ANGLE
PROJECTION

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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: 45.3cm²
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

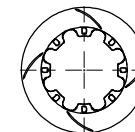
AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON
THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR
APPLICATION.

CALIPER PART NUMBERS

CP9444-2SOL - RIGHT HAND (22-25.4mm THICK DISC)
CP9444-3SOL - LEFT HAND (22-25.4mm THICK DISC)

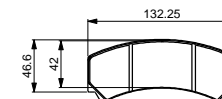
CP9444-4SOL - RIGHT HAND (18-21mm THICK DISC)
CP9444-5SOL - LEFT HAND (18-21mm THICK DISC)

RECOMMENDED DISC AND PAD OPTIONS AVAILABLE D42 DISC AND PAD COMBINATION



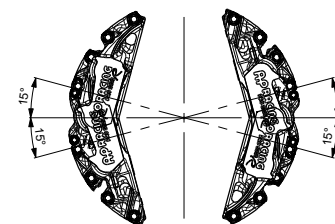
CP3947-138/9CG4 Ø280x18.0 8F 47v 2.81Kg
CP3947-140/1CG4 Ø280x21.0 8F 47v 3.52Kg
CP4448-208/9CG4 Ø280x22.0 8F 48v 3.27Kg
CP4448-210/1CG4 Ø280x25.4 8F 48v 4.07Kg

SEE CUSTOMER DRAWING FOR FULL DETAIL

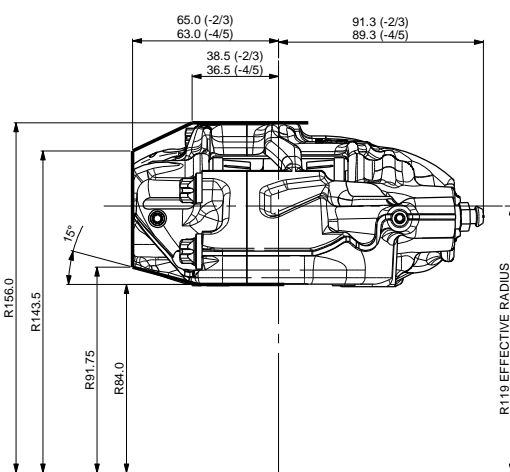


CP3215D42 PAD FAMILY
PAD THICKNESS - 16.75mm
PAD AREA - 48.3cm²
PAD VOLUME - 60.9cm³

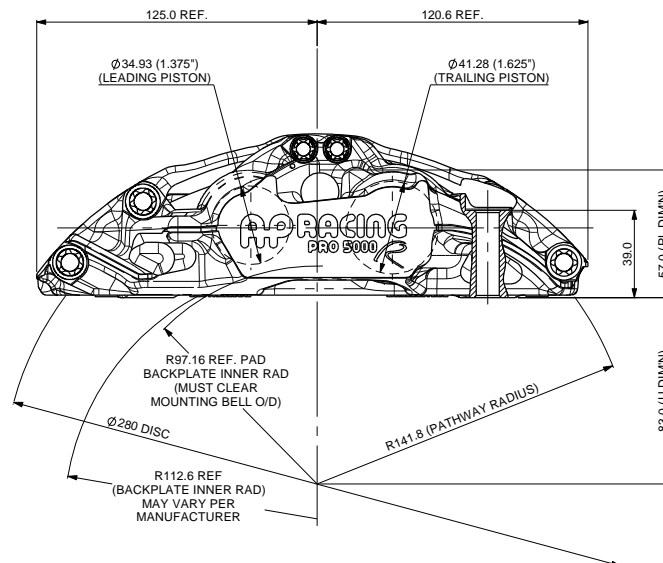
OPTIMUM BLEED POSITIONING



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



NOMINAL RADIAL PROFILE
SCALED FOR A Ø280 DISC



BLEED SCREW TIGHTENING
TORQUE 17.0 Nm (12.5 Lbs ft)

152.0 CTRS

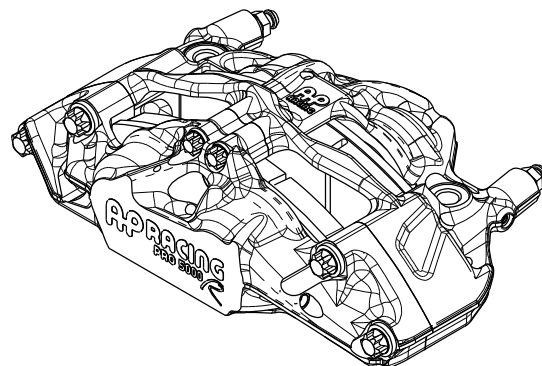
HYDRAULIC INLET
M10x1.0

TYPICAL MTG TIGHTENING
TORQUE FOR GUIDANCE ONLY:
M10 - 54Nm

Ø10.27
Ø10.17

Ø20.0
S'FACE

OFFSET 40.0 (-2/3)
38.0 (-4/5)



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

B1

INSTALLATION
DRAWING

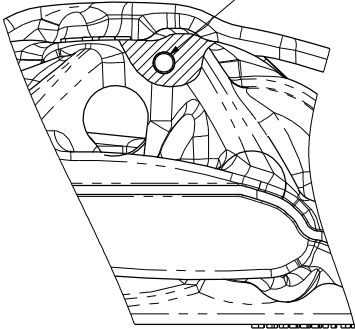
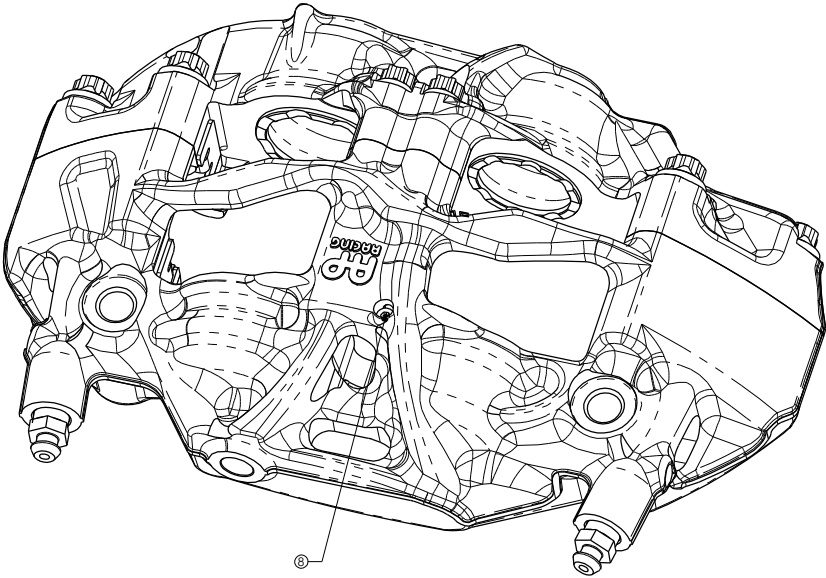
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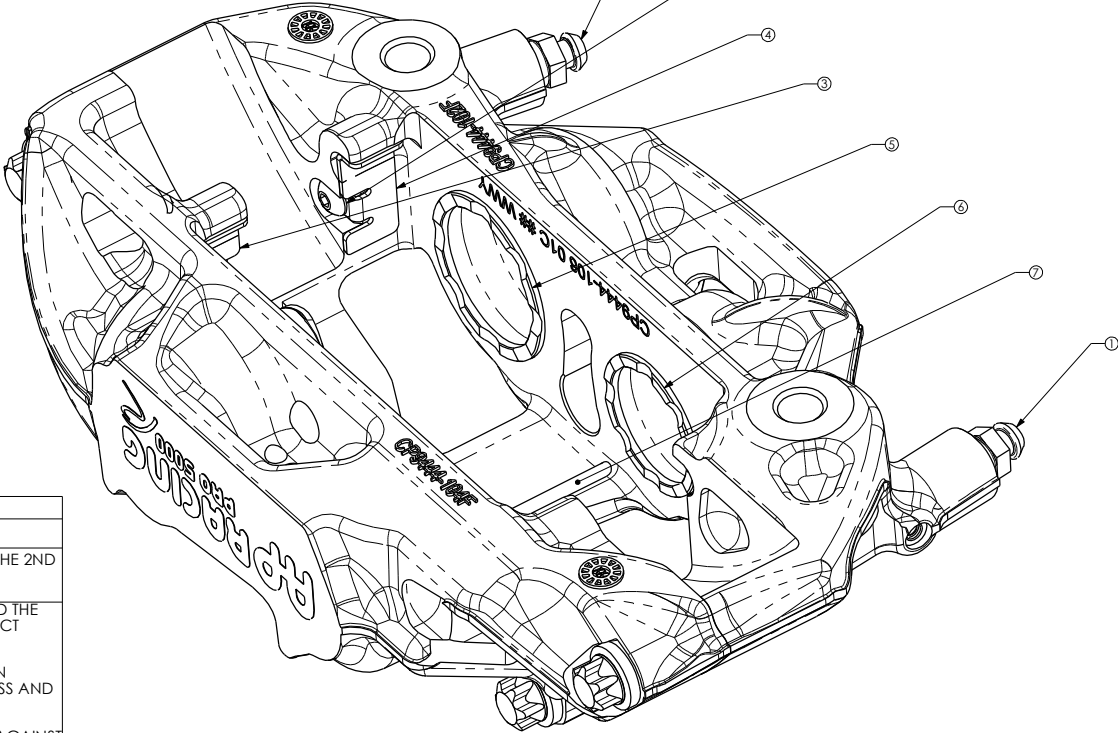
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TO REPLACE A WORN OR DAMAGED PAD ABUTMENT ROD,
REMOVE M3 SCREW (8) AND DRIVE ROD OUT WITH A PIN
PUNCH FROM COVER SIDE. CLEAN UP HOLE, FIT NEW ROD
WITH A SMEAR OF 736 RTV SILICONE & RE-FIT SCREW.



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.
4	CP9444-113	LH WEARPLATE		APPLY PRESSURE TO ABUTMENT PLATE WHEN FITTING TO ENSURE MINIMUM FILM THICKNESS AND AVOID ANY GAP.
5	CP9444-111	Ø1 5/8" SST PISTON	2	ENSURE ABUTMENT PLATE SITS CORRECTLY AGAINST CALIPER BODY BEFORE FITTING RETAINING SCREW.
6	CP9444-110	Ø1 3/8" SST PISTON	2	
7	CP9444-119	PAD ABUTMENT ROD	1	SUITS CP9444-2/3* SEE NOTES ON FITMENT
8	CP9444-120	M3x6 CAP SCREW	1	SUITS CP9444-4/5* SEE NOTES ON FITMENT
9	CP9444-118ST	M3x6 CAP SCREW	1	REMOVE TO REPLACE PAD ABUTMENT TUBE
	CP8518-GK	PISTON SEAL KIT	1	REFER TO PUBLICATION REF: P14.290 & P14.220

Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars			
1		SEE SHEET1 FOR ISSUE INFORMATION.			
SCALE 1:1		SHEET 2 OF 2			
DRAWN		Jon Tait			
APPROVED					
DERIVED FROM		#			
TITLE SPARES					
DRG NO.		CP9444-1CD			

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GENERAL DESCRIPTION

THIS 4 PISTON DIFFERENTIAL BORE CALIPER HAS AN INTEGRAL PAD
RETAINER TO ENHANCE STIFFNESS. IT IS A SMALL-BORE VERSION OF
CP9444, 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 THE REAR OF
SINGLE-SEATERS.

TECHNICAL INFORMATION

TOTAL PISTON AREA: 38.6cm²

BODY MATERIAL: ALUMINIUM ALLOY

PISTON MATERIAL: STAINLESS STEEL

ASSEMBLY WEIGHT (LESS PADS): 1.85Kg

INSTALLATION INFORMATION

DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT
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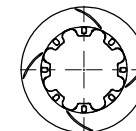
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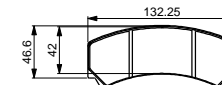
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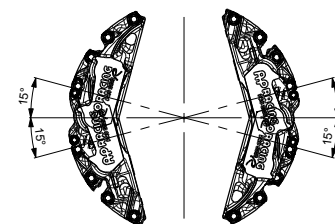
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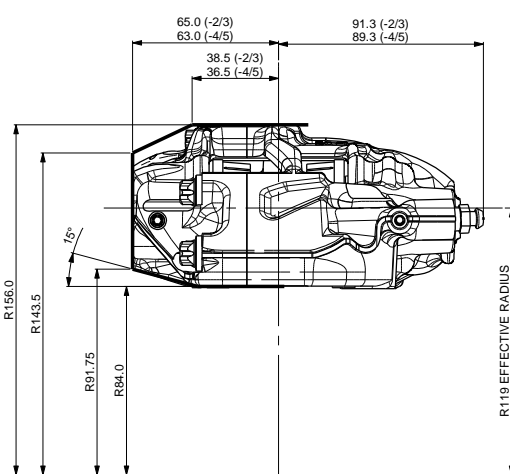


CP3215D42 PAD FAMILY
PAD THICKNESS - 15.75mm
PAD AREA - 48.3cm²
PAD VOLUME - 60.9cm³

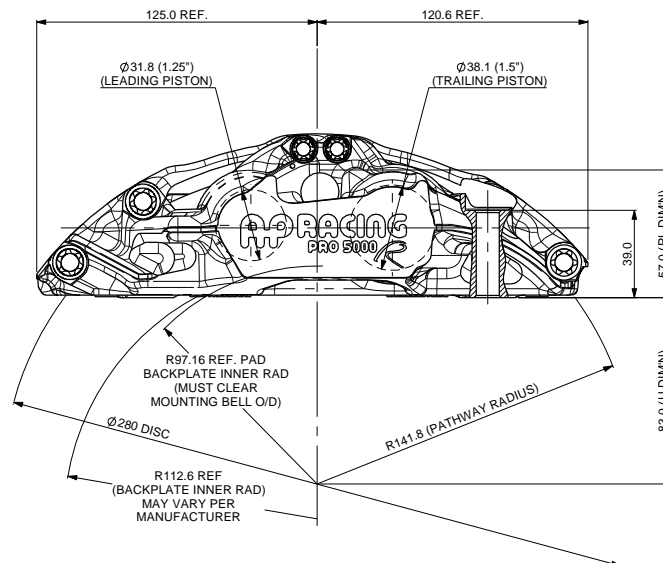
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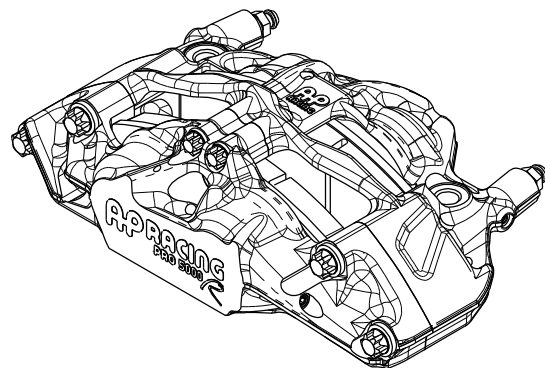
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SCALE 1:1

SHEET 1 OF 2

DRAWN

Jon Tait

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TITLE

4-PISTON PRO 5000 R
CALIPER INSTALLATION

DRG NO.

CP9445-1CD

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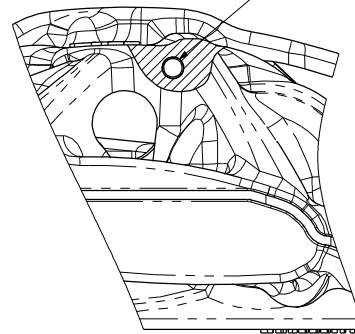
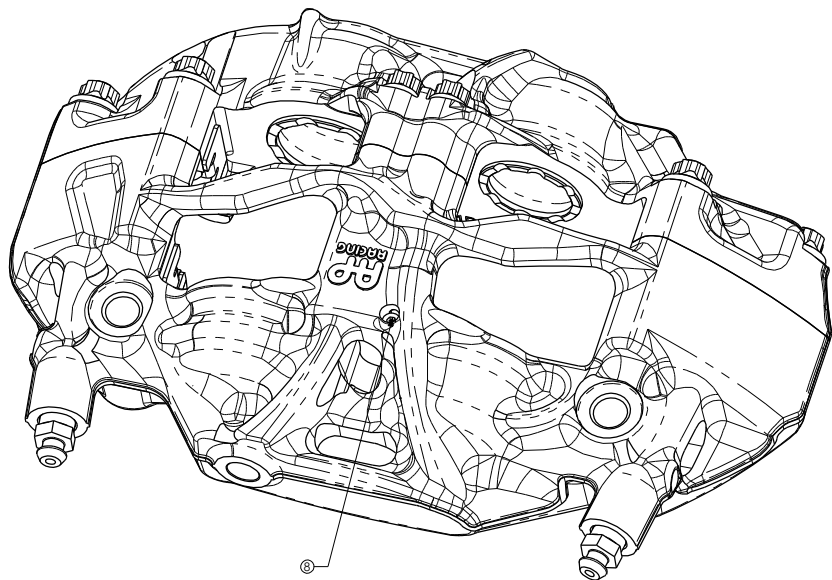
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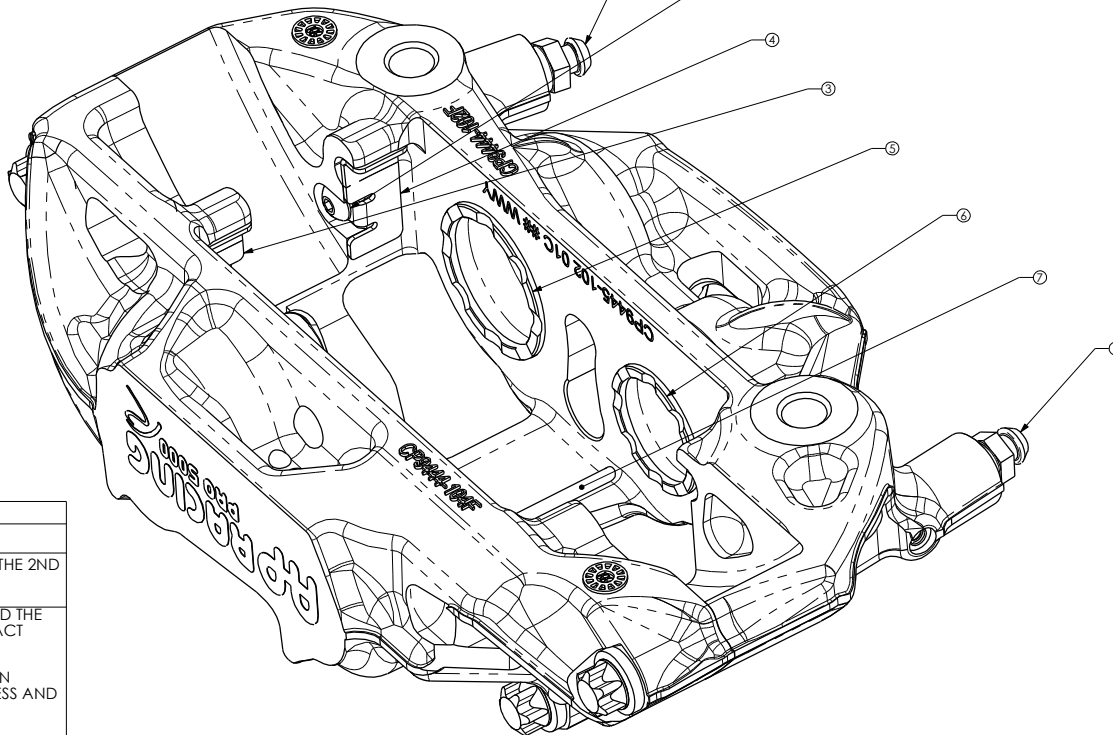
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8	CP9444-118ST	M3x6 CAP SCREW	1	REMOVE TO REPLACE PAD ABUTMENT TUBE
	CP8518-EJ	PISTON SEAL KIT	1	REFER TO PUBLICATION REF: P14.290 & P14.220

Issue No.	Alterations		Zone	Initials
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SCALE 1:1		SHEET 2 OF 2	
DRAWN	Jon Tait		
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DRG NO.	CP9445-1CD		