

A1 INSTALLATION DRAWING

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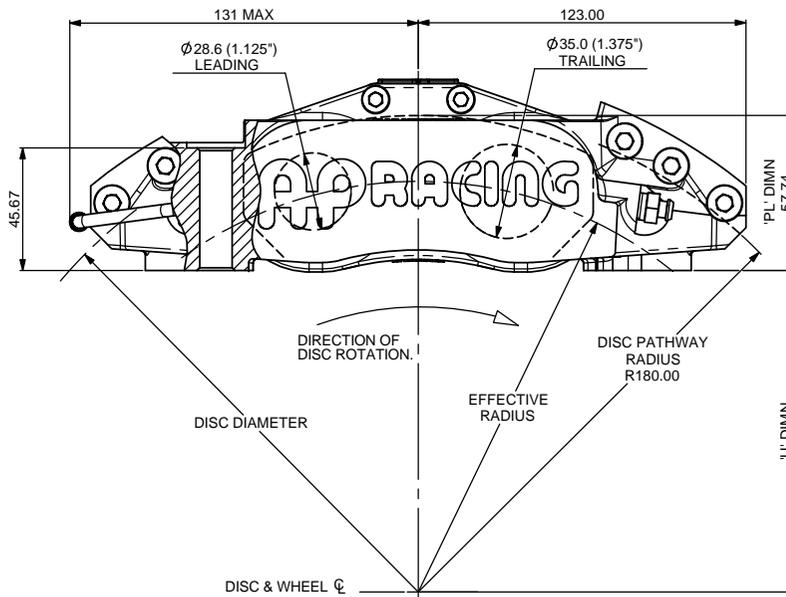
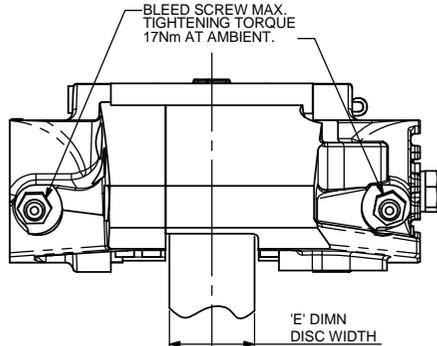
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GENERAL DESCRIPTION:

THIS IS A 4 PISTON DIFFERENTIAL BORE CALIPER DESIGNED TO OPERATE ON CAST IRON DISCS OF DIAMETERS $\phi 330$ TO $\phi 355$, mm AND THICKNESSES 28.0 TO 32.0 mm. STAINLESS STEEL BRIDGE PIPES AND PAD ABUTMENT WEAR PLATES ARE FITTED. SEALS ARE HIGH TEMPERATURE 'SEAL-IN-BORE' TYPE. PADS ARE RETAINED BY 'H' PIECE OR QUICK RELEASE CLIP.

TYPICAL APPLICATION:

GT CLASS 1 AND 2 REAR

TECHNICAL INFORMATION:

TOTAL PISTON AREA: 32.15 cm²
PISTON MATERIAL: ALUMINIUM OR STAINLESS STEEL
BODY MATERIAL: ALUMINIUM ALLOY
HYDRAULIC CONNECTIONS: M10 x 1.0
ASSEMBLY WEIGHT: 2.53 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 BOSS FACE WITH PAD SITTING DOWN ON LEDGE.
DIMENSION 'U': WHEEL CENTRE LINE TO CALIPER MOUNTING BOSS FACE (DISC $\phi/2$) - DIMENSION 'PL'.
DIMENSION 'C': OFFSET-DISC CENTRE LINE TO MOUNTING HOLES.
EFFECTIVE RAD': DISTANCE FROM WHEEL CENTRE LINE TO NOMINAL PISTON CENTRE LINE.

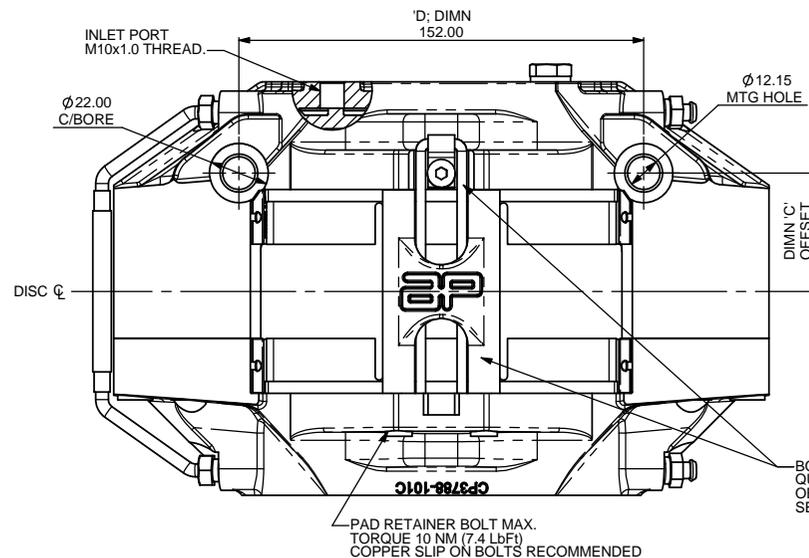
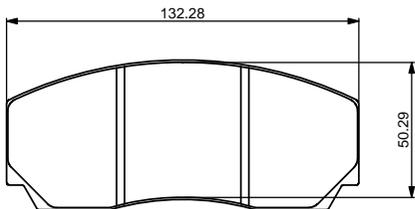
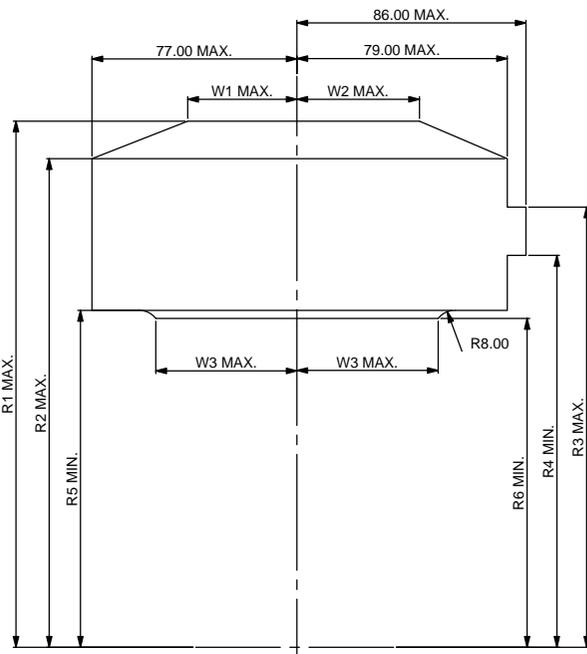
AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR APPLICATION.

CALIPER PART NUMBERS

CP3799-2S0 - RIGHT HAND TRAILING (AS DRAWN)
CP3799-3S0 - LEFT HAND TRAILING
CP3799-4S0 - RIGHT HAND LEADING
CP3799-5S0 - LEFT HAND LEADING

IF PART No. ENDS WITH SUFFIX 'L' (ie CP3799-2S0L) THEN CALIPER HAS STAINLESS STEEL PISTONS FITTED

SEE SHEET 2 FOR SPARE PARTS LIST



DISC ϕ	DISC WIDTH	R1	R2	R3	R4	R5	R6	W1	W2	W3	EFF RAD	U' DIMN
355.0	32.0	196.0	182.0	164.0	146.0	125.5	122.5	41.0	46.0	53.0	153.6	119.76
330.0	28.0	187.0	170.0	152.0	134.0	113.5	110.5	37.0	40.0	53.0	141.5	107.26

CP2279D50 PAD FAMILY

PAD THICKNESS :- 20.45mm
PAD AREA :- 57.37 cm²
PAD VOLUME :- 91.65cm³

ISSUE No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	11/2/97 B4612	FIRST ISSUE		
2	19/2/97 RAC6321	CARBON/CARBON PAD ADDED TO DRG.	SRO	
3	15/06/06 B4535	RE-DRAWN ON SOLID WORKS. EXPLODED VIEW AND SPARE PARTS CHART ADDED TO NEW SHEET 2. AMENDMENTS TO SOME DIMENSIONS IN RADIAL PROFILE CHART. REFERENCE TO CARBON PADS DELETED	#	DRA
4	02/11/06 B4535	LEADING BORE SIZE CORRECTED. 1.125" SAID 1.06"	#	DRA
5	27/11/06 B4680	STAINLESS STEEL PISTON L' SUFFIX CALIPER NOTE ADDED	SAT	J
6	14/05/08 B5192	QUICK RELEASE PAD CLIP REMOVED AS STANDARD NOW OPTIONAL KIT.		DRA
7	14/05/12 B6500	SHEET 2. CP3551-101 REPLCD WITH CP3550-126. CP3799-108 REPLCD WITH CP3799-115. CP3384-112 REPLCD WITH CP3469-111. 1.06" PISTON SIZE CHANGED TO 1.125". CALIPER 2 TO 5 SOM" REPLCD WITH CALIPER 2 TO 5 SOL". ALUMINIUM PISTONS & STAINLESS STEEL PISTONS ADDED TO RESPECTIVE COLUMNS.		MPS
8	01/10/12 B6624	TIGHTENING TORQUE FOR PAD RETAINER BOLTS 10NM WAS 13NM COPPER SLIP NOTE ADDED	8C	SAT
9	13/06/2014 B7094	SPARES LIST CORRECTED	#	CDA

SCALE 1:1	SHEET 1 OF 2
DRAWN	D.ARROWSMITH - S.OXLEY
APPROVED	
DERIVED FROM	
TITLE	$\phi 1.37" \times 1.12" \times 4$ CALIPER INSTALLATION DRAWING
DRG NO.	CP3799-1CD

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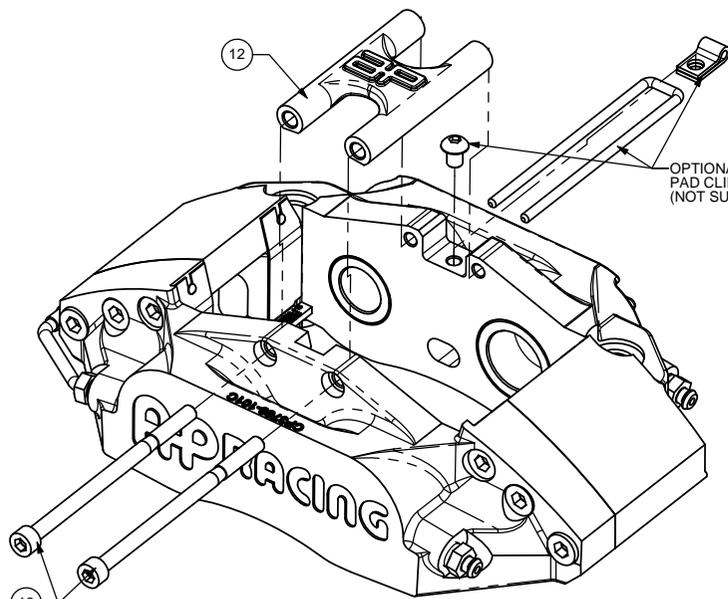
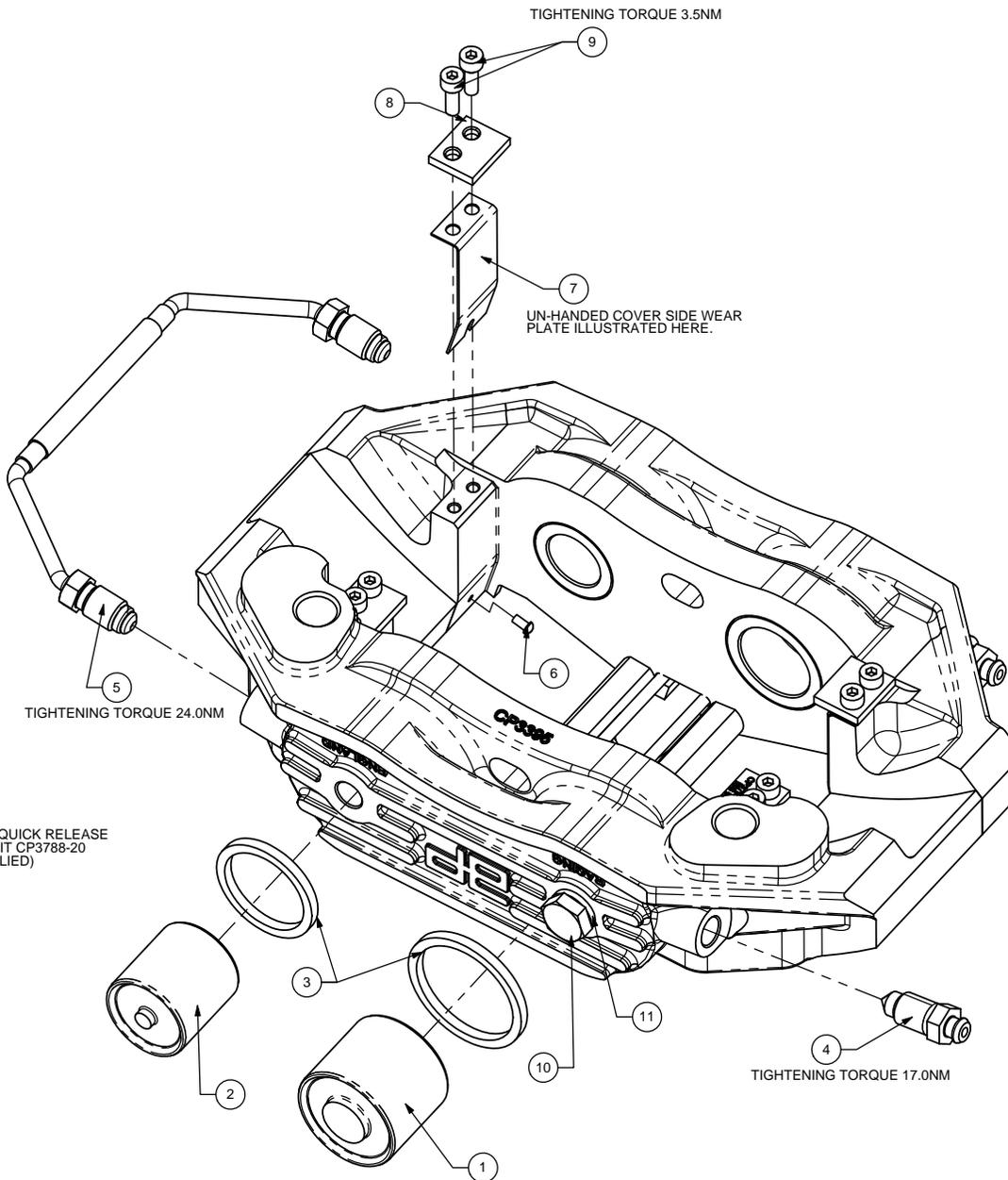
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REF	PART NUMBER	DESCRIPTION	QTY / CALIPER
1	CP3789-106	ALUMINIUM	2
	CP3799-106	STAINLESS STEEL	
2	CP3799-112	ALUMINIUM	2
	CP3799-107	STAINLESS STEEL	
3	CP4518-DG	HIGH TEMP SEAL KIT	1
4	CP3720-173	M10 BLEEDSCREW	2
5	CP3799-6	PIPE ASSEMBLY	1
6	CP3550-126	HAMMER DRIVE SCREW	4
7	CP3846-101	WEAR PLATE (COVER SIDE)	2
	CP3799-110	WEAR PLATE (MOUNTING SIDE) RH	1
	CP3799-111	WEAR PLATE (MOUNTING SIDE) LH	1
8	CP3394-108	PAD SUPPORT (COVER SIDE)	2
	CP3799-115	PAD SUPPORT (MOUNTING SIDE)	2
9	CP3215-115	M4 SCREW	8
10	CP3760-106	BLANKING PLUG	1
11	KL44517	GASKET	1
12	CP3799-109	PAD RETAINER (H PEICE)	1
13	CP3439-111	PAD RETAINER BOLTS	2

FOR CALIPER RE-CONDITIONING INFORMATION
SEE AP RACING DATA SHEET P14.101



OPTIONAL QUICK RELEASE
PAD CLIP KIT CP3788-20
(NOT SUPPLIED)

TIGHTENING TORQUE 15.0NM

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	-

SCALE 3:4	SHEET 2 OF 2
DRAWN	D.ARROWSMITH - S.OXLEY
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TITLE	
Ø1.37" x 1.12" x 4 CALIPER INSTALLATION DRAWING	
DRG NO.	CP3799-1CD