

GENERAL DESCRIPTION
6 PISTON DIFFERENTIAL BORE CALIPER TO SUIT UP TO Ø380x40mm CARBON DISC
WITH A FIXED BRIDGE DESIGN.

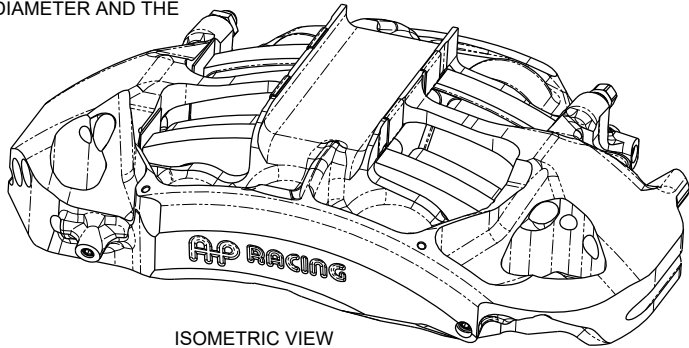
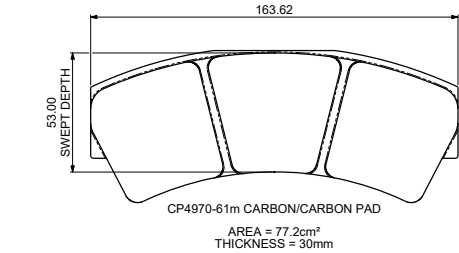
TYPICAL APPLICATION
FIA - LMDH / GT1 / SUPER GT (JAPAN)

CALIPER SPECIFICATION	
BORE SIZE	CEJ (27.00 x 31.75 x 38.10) (1.063" x 1.25" x 1.50")
PISTON AREA (TOTAL)	50.08cm²
DISC DIAMETER MAX	380.00mm
DISC THICKNESS (NEW)	35.00-40.00mm
PAD family	CP4970-61m
PAD THICKNESS (NEW)	27.00-32.50mm
STACK WIDTH NEW	100.00mm
STACK WIDTH WORN	55.00mm (ASSUMING EVEN WEAR)
MAX WEAR PER SIDE	22.50mm
HYDRAULIC FEED	AS SHOWN
DUCTING MOUNTS	M4x0.70 7.0mm THREAD DEPTH
SCRAPER MOUNTS	M4x0.70 10.0mm THREAD DEPTH
TEMPERATURE SENSOR MOUNT	M4x0.70 5.0mm THREAD DEPTH
DRY WEIGHT (WITHOUT PADS)	2.5kg (EST.)
EFFECTIVE RADIUS (ON Ø380mm DISC)	163.50mm
'PL' DIMENSION (TOP OF PAD FRICTION MATERIAL TO CALIPER MOUNTING FACE)	63.50mm
'C' DIMENSION (CALIPER OFFSET)	42.00mm
'U' DIMENSION (UPRIGHT MOUNTING)	126.50mm U = (DISC Ø/2) - PL
TIGHTENING TORQUES	BLEED SCREW: 17Nm PAD LEDGE SCREWS: 4Nm TYPICAL M12 MOUNTING BOLT: 65Nm (GUIDANCE ONLY)

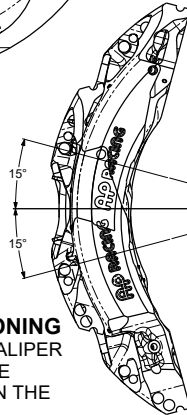
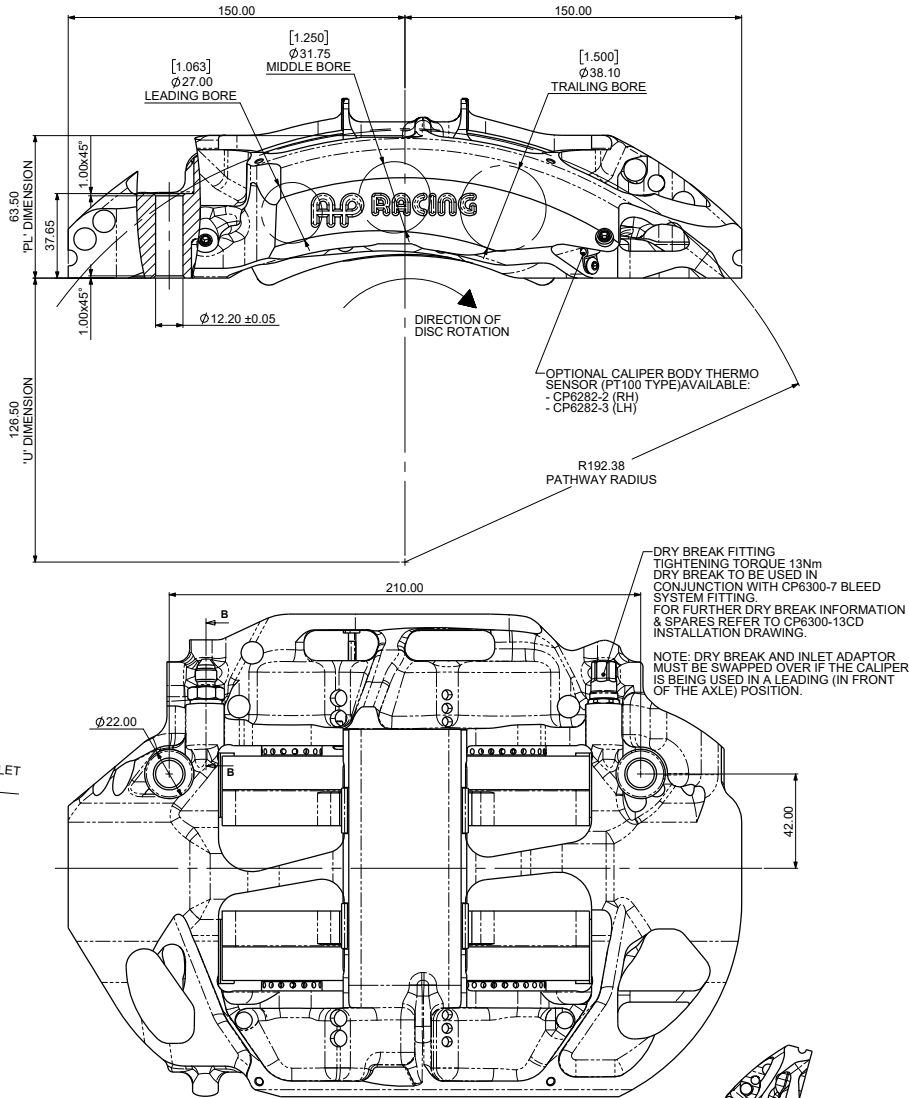
CALIPER POSITIONING	
RHT	RIGHT HAND TRAILING (BEHIND AXLE)
LHT	LEFT HAND TRAILING (BEHIND AXLE)

PART NUMBERING CONVENTION	
PART NUMBER	DESCRIPTION
CP6177-2S0M	RIGHT HAND TRAILING - TITANIUM PISTONS
CP6177-3S0M	LEFT HAND TRAILING - TITANIUM PISTONS

INSTALLATION INFORMATION
THE CALIPER IS DESIGNED SO THAT THE DISC WILL BE MOUNTED CENTRALLY
WITHIN A TOLERANCE OF ±0.50mm.
THE CALIPER IS TO BE MOUNTED IN EITHER TRAILING OR LEADING POSITION, ±15°
FROM THE VERTICAL.
THE DIAMETRICAL CLEARANCE BETWEEN THE DISC OUTSIDE DIAMETER AND THE
PATHWAY SHOULD BE 2.50mm NOMINALLY.



ISOMETRIC VIEW



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

SCALE 1:1	SHEET 1 OF 3
DRAWN	Shen Wahlstrom
APPROVED	
DERIVED FROM	CP6160
TITLE	RADICAL GT CALIPER
DRG NO.	CP6177-1cd

B1

INSTALLATION
DRAWING

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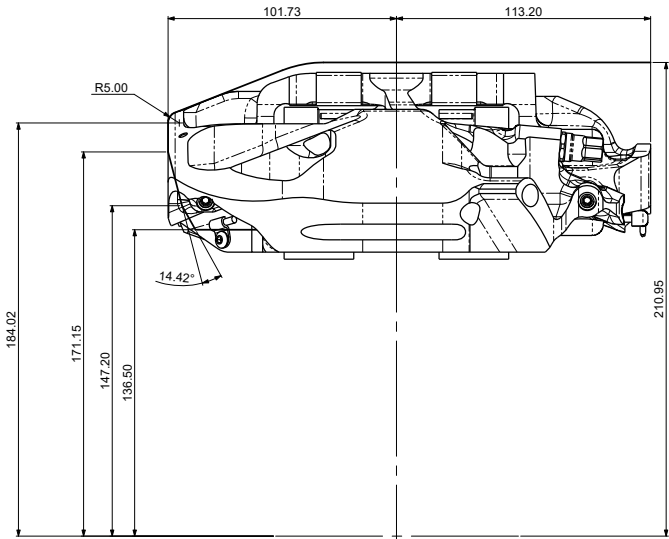


FIRST ANGLE
PROJECTION

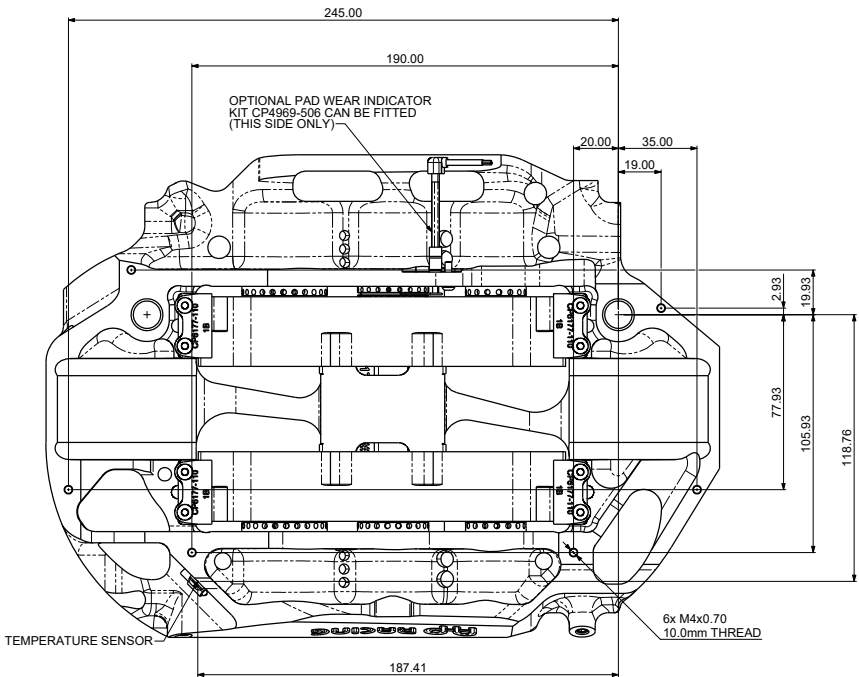
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RADIAL PROFILE

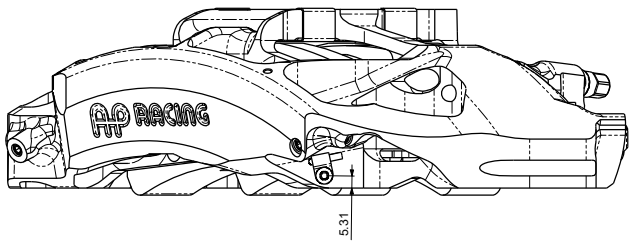
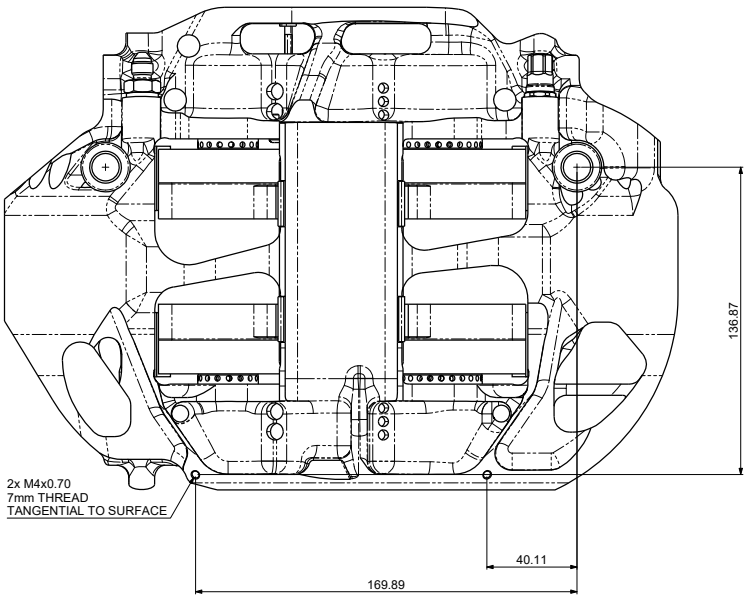
SCALED FOR A Ø380.00 DISC



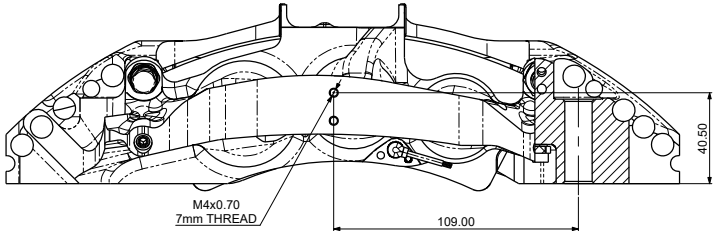
SCRAPER MOUNT & TEMPERATURE SENSOR HOLES



AIR DUCT MOUNTING HOLES



AIR DUCT MOUNTING HOLE

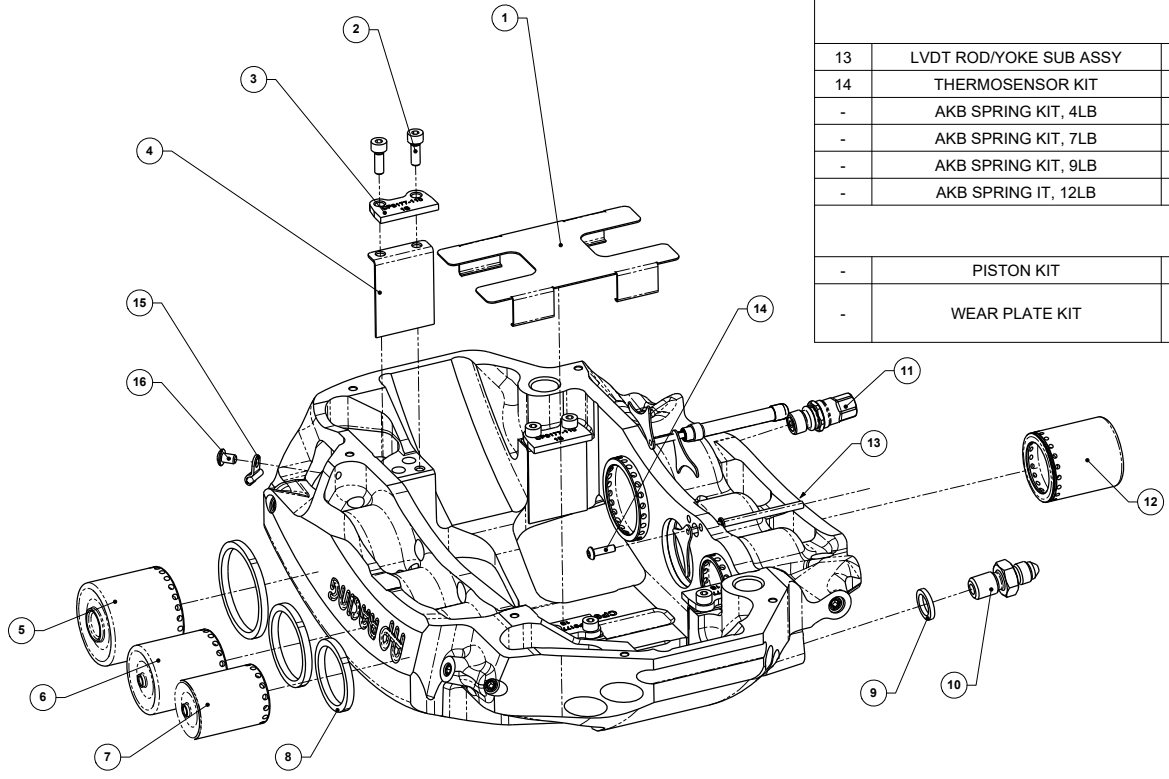


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Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
•	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	•

SCALE 1:1		SHEET 2 OF 3	
DRAWN		Sten Wahlstrom	
APPROVED			
DERIVED FROM		CP6160	
TITLE			
RADICAL GT CALIPER			
DRG NO.		CP6177-1cd	



CP6177-2 / 3S0L SPARES

REF	DESCRIPTION	PART NUMBER	QTY PER ASSEMBLY	FITTING INSTRUCTIONS
1	BRIDGE WEAR PLATE	CP6086-104	1	
2	M4x0.7 SOCKET HEAD CAP SCREW	CP3215-115	8	APPLY A 1-2mm DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE - 4Nm
3	PAD LEDGE PLATE	CP6177-110	4	-
4	PAD WEAR PLATE	CP6060-107	4	-
5	Ø38.10 [1.50"] TITANIUM PISTON (J-BORE)	CP6165-106	2	-
6	Ø31.75 [1.25"] TITANIUM PISTON (E-BORE)	CP6165-107	1	-
7	Ø27.00 [1.063"] TITANIUM PISTON (C-BORE)	CP6165-108	2	-
8	SEAL KIT (6 SEALS)	CP8518-CEJ	1	REFER TO PUBLICATION REF: P14.290 & P14.220
9	KL44517	GASKET	1	-
10	M10 - 3/8" INLET ADAPTOR	CP6160-107	1	APPLY A SMALL AMOUNT OF LOCTITE 270 TO THE THREADS BEFORE FITTING TIGHENING TORQUE - 17Nm
11	DRY BLEED SCREW KIT	CP6300-21	1	APPLY A SMALL AMOUNT OF LOCTITE 270 TO THE THREADS BEFORE FITTING VALVE TIGHENING TORQUE - 13Nm CAP TIGHENING TORQUE - 4.0Nm
12	Ø1.25" LVDT TITANIUM PISTON	CP4969-140	1	-

OPTIONAL EXTRAS

13	LVDT ROD/YOKE SUB ASSY	CP4969-522	1	-
14	THERMOSENSOR KIT	CP6282-2/3	1	-
-	AKB SPRING KIT, 4LB	CP6518-4LBSSL	1	-
-	AKB SPRING KIT, 7LB	CP6518-7LBSSL	1	-
-	AKB SPRING KIT, 9LB	CP6518-9LBSSL	1	-
-	AKB SPRING IT, 12LB	CP6518-12LBSSL	1	-

SPARES KITS

-	PISTON KIT	CP6177-50	1	-
-	WEAR PLATE KIT	CP6177-51	1	APPLY A SMALL AMOUNT OF RED RTV BEHIND THE WEAR PLATES DURING ASSEMBLY

Issue No.

Date & No.

Alterations

Particulars

Zone

Initials

-

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SHEET 3 OF 3

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