

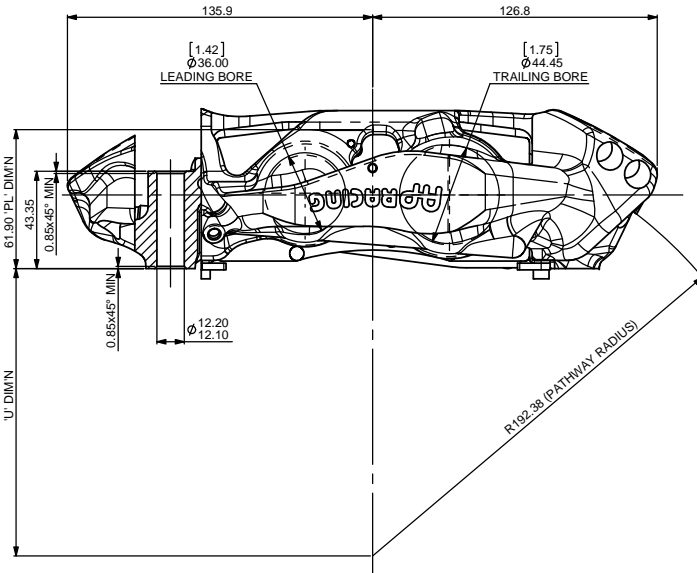
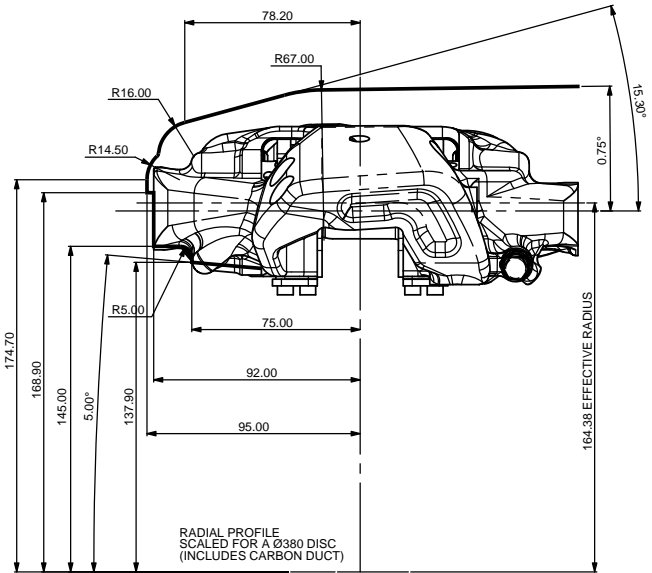
B1 INSTALLATION DRAWING

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GENERAL DESCRIPTION
 4 PISTON DIFFERENTIAL BORE CALIPER TO SUIT UP TO 380 x 34.0 IRON DISC.

APPLICATION
 WTC FRONT

TECHNICAL INFORMATION
 TOTAL PISTON AREA: 51.39cm²
 PISTON MATERIAL: OPTIONS ARE 'L' STAINLESS STEEL OR 'M' TITANIUM, PLEASE SPECIFY IN THE PART NUMBER, SEE BELOW.
 BODY MATERIAL: ALUMINIUM ALLOY
 ASSEMBLY WEIGHT (LESS PADS):
 1.98kg WITH TITANIUM PISTONS
 2.13kg WITH STAINLESS PISTONS
 IN BOTH CASES CARBON DUCT KIT ADDS 62g

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 2.5mm NOMINAL FROM DISC O/D TO PATHWAY.

KEY TO DIMENSIONS
 *PL' DIMN : TOP OF PAD MATERIAL TO MOUNTING BOSS FACE, WITH PAD SITTING DOWN ON LEDGE.
 '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
 CP5785-2S0 (L or M) P[D] - RIGHT HAND TRAILING (BEHIND AXLE / AS DRAWN)
 CP5785-3S0 (L or M) P[D] - LEFT HAND TRAILING (BEHIND AXLE)
 CP5785-4S0 (L or M) P[D] - RIGHT HAND LEADING (IN FRONT OF AXLE)
 CP5785-5S0 (L or M) P[D] - LEFT HAND LEADING (IN FRONT OF AXLE)

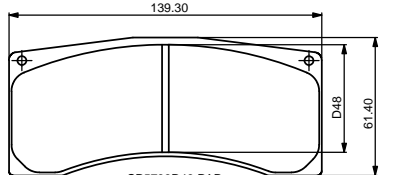
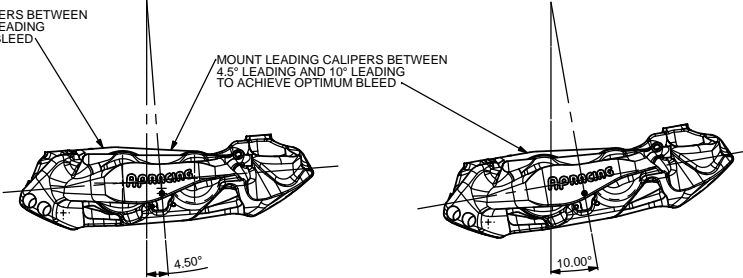
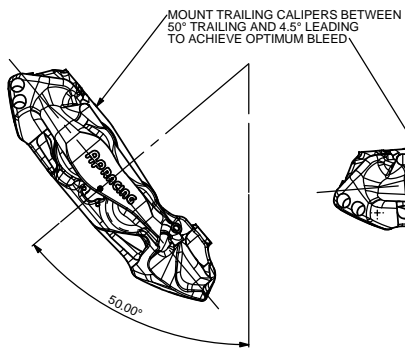
'L' SUFFIX DENOTES SST PISTONS
 'M' SUFFIX DENOTES TITANIUM PISTONS

'P' SUFFIX DENOTES CALIPER WITH 'CLIP-IN' TYPE PISTONS.
 FOR ADDITION OF 'CLIP-IN' PISTON CAPS SEE CP6060-1PCD DRAWING.

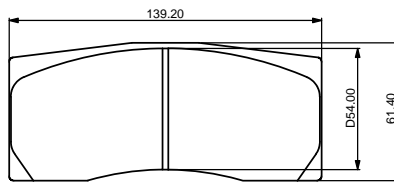
'D' SUFFIX DENOTES CARBON DUCT INCLUDED.

CP4528-HL - OPTIONAL CERAMIC COATED PISTON CAP KIT (1.5MM THICK)

Issue No	Alterations			#	Zone	Initials
	Date & No.	Particulars				
1	01/03/13 B6679	FIRST ISSUE				JH
2	09/07/13 B6679	SHEET 3 - CHANGE TO SPARES LIST WAS SHOWING NON HANDED WEAR PLATE NOW HANDED				JN

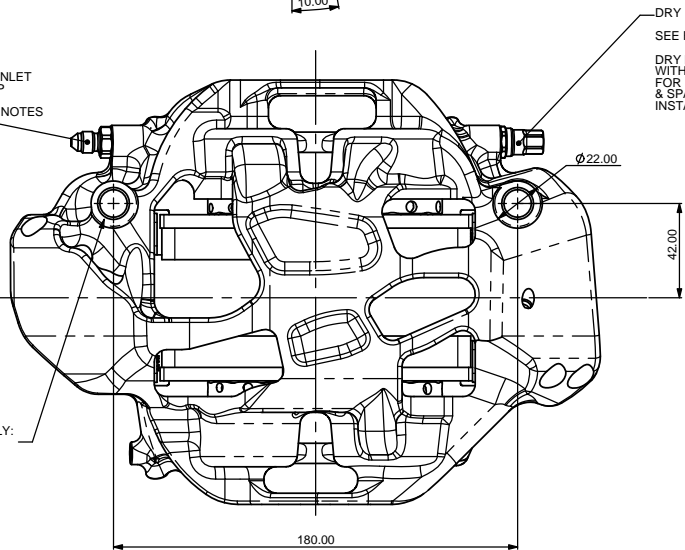


CP5788D48 PAD
 AREA - 63.2cm²
 THICKNESS - 20mm
 VOLUME - 88.4mm³



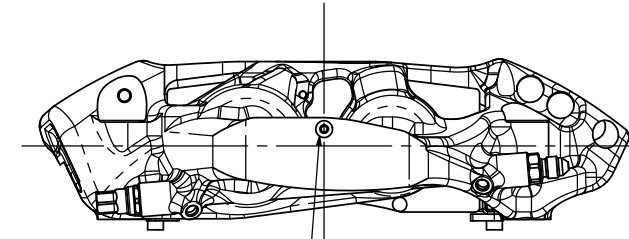
CP5780D54 PAD
 AREA - 77.3cm²
 THICKNESS - 20mm
 VOLUME - 108.2mm³

TYPICAL MTG TIGHTENING TORQUE FOR GUIDANCE ONLY:
 M12 - 65Nm & M10 - 54Nm

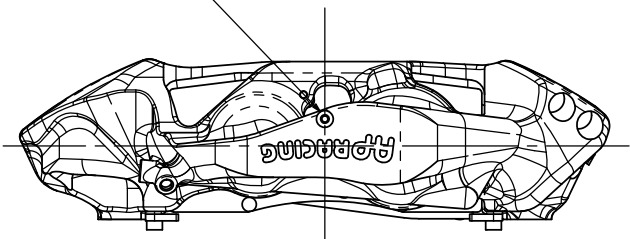
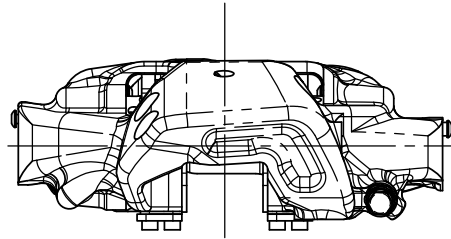


DRY BREAK FITTING
 SEE FITTING NOTES ON SHEET 3
 DRY BREAK TO BE USED IN CONJUNCTION WITH CP6300-7 BLEED SYSTEM FITTING. FOR FURTHER DRY BREAK INFORMATION & SPARES REFER TO CP6300-13CD INSTALLATION DRAWING.

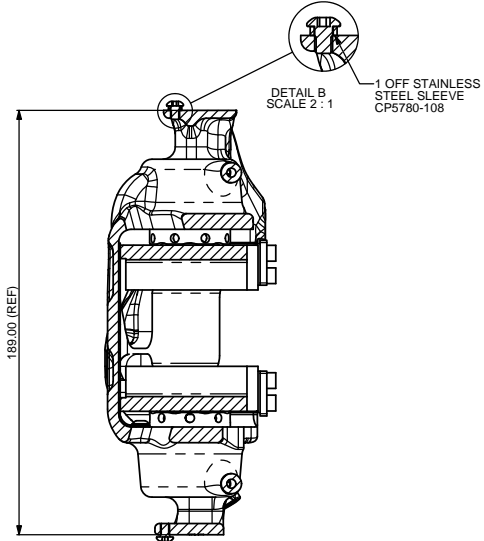
SCALE 1:1	SHEET 1 OF 3
DRAWN jheritage	
APPROVED	
DERIVED FROM CP5780-1CD	
TITLE WTC CALIPER	
DRG NO. CP5785-1CD	



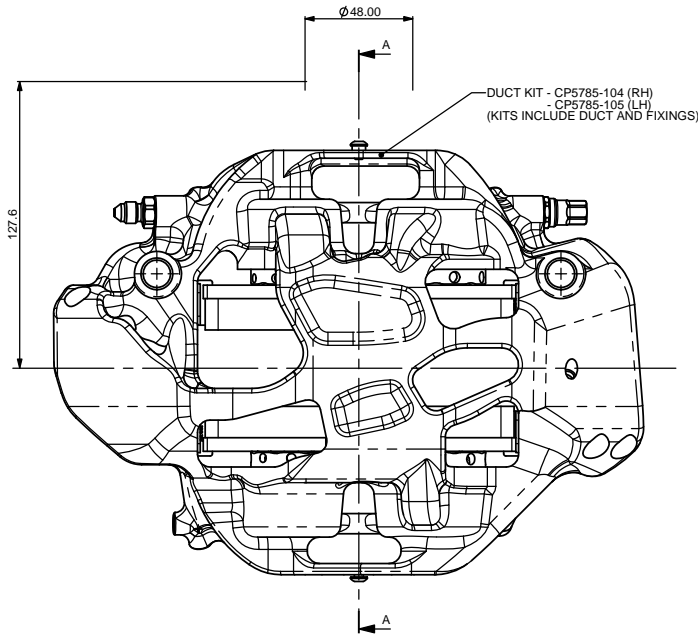
1 OFF M4x0.7 DUCT MOUNTING SCREW CP3355-114ST. APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTEN TO 3.5Nm. THE RECESS IN THE DUCT CAN BE COVERED WITH DUCK TAPE OR SIMILAR ONCE THE SCREW HAS BEEN FITTED TO CREATE A SMOOTH SURFACE FOR THE AIR FLOW.



1 OFF M4x0.7 DUCT MOUNTING SCREW CP3355-114ST. APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTEN TO 3.5Nm



SECTION A-A



DUCT KIT - CP5785-104 (RH) - CP5785-105 (LH) (KITS INCLUDE DUCT AND FIXINGS)

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		

SCALE 1:1	SHEET 2 OF 3
DRAWN jheritage	
APPROVED	
DERIVED FROM CP5780-1CD	
TITLE WTC CALIPER	
DRG NO. CP5785-1CD	

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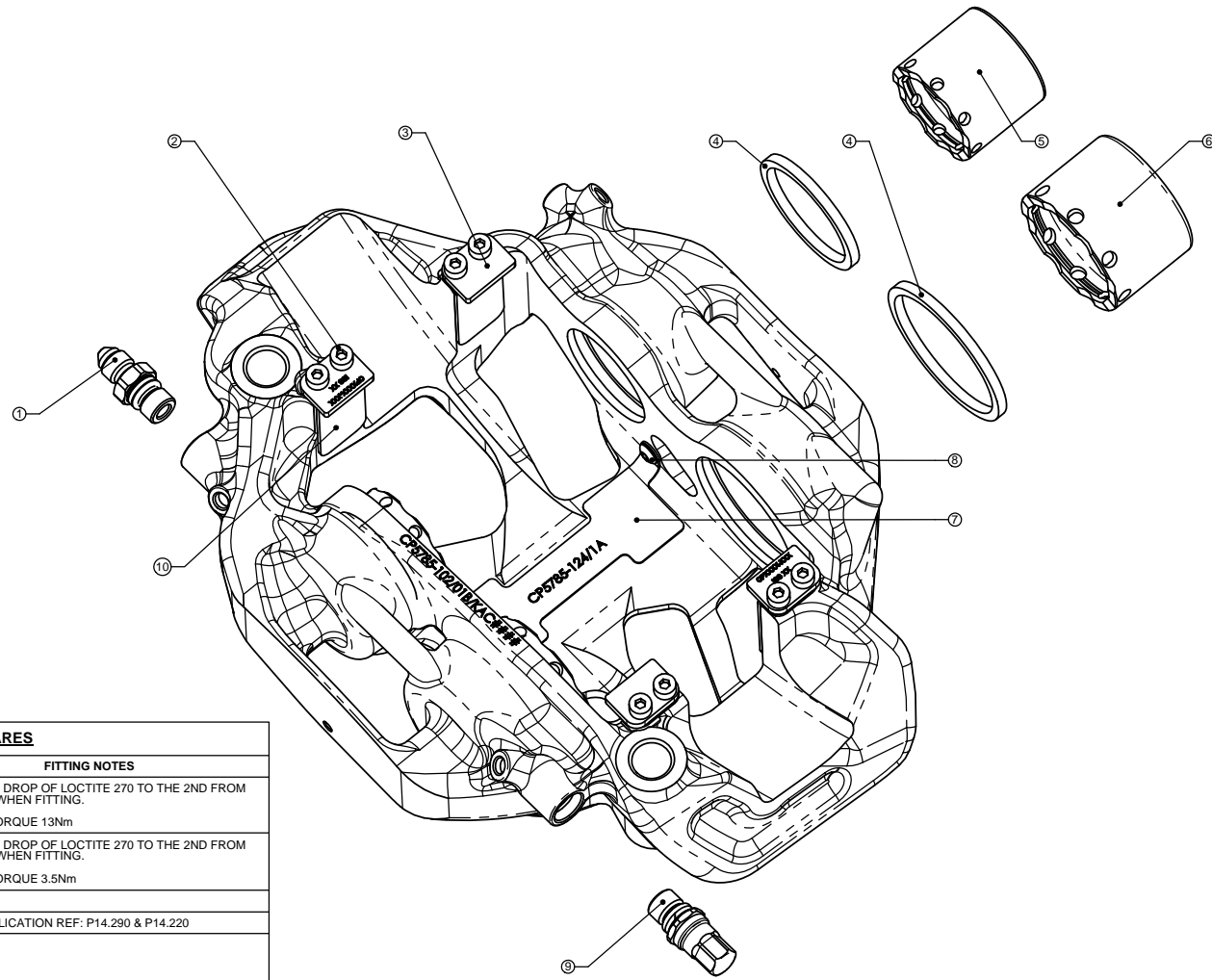


FIRST ANGLE PROJECTION

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CP5785-2/3/4/5S0LP & CP5785-2/3/4/5S0MP SPARES

REF	PART NUMBER	DESCRIPTION	QTY / CALIPER	FITTING NOTES
1	CP5785-6	INLET ADAPTOR	1	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE 13Nm
2	CP3215-115	M4 SOCKET HEAD CAP SCREW	8	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE 3.5Nm
3	CP5780-107	PAD SUPPORT	4	
4	CP4518-HL	PISTON SEAL KIT	1	REFER TO PUBLICATION REF: P14.290 & P14.220
5	CP5785-106 OR CP5785-108	Ø36MM TI PISTON Ø36MM SST PISTON	2	
6	CP5785-107 OR CP5785-109	Ø1.75" TI PISTON Ø1.75" SST PISTON	2	
7	CP5785-124 RH CP5785-125 LH	PAD RETAINER ABUTMENT PLATE	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. ENSURE ABUTMENT PLATE SITS CORRECTLY AGAINST CALIPER BODY BEFORE FITTING RETAINING SCREWS.
8	CP3355-114ST	M4 BUTTON HEAD SCREW	2	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE 3.5Nm
9	CP6300-21	M10 DRY BLEED	1	APPLY A 1-2MM DROP OF LOCTITE 270 TO THE 2ND FROM LAST THREAD WHEN FITTING. TIGHTENING TORQUE 13Nm
10	CP5785-113	PAD ABUTMENT PLATE	4	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. ENSURE ABUTMENT PLATE SITS CORRECTLY AGAINST CALIPER BODY BEFORE FITTING RETAINING SCREWS.

Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars			

SCALE 1:2	SHEET 3 OF 3
DRAWN jheritage	
APPROVED	
DERIVED FROM	
TITLE WTC CALIPER	
DRG NO.	CP5785-1CD