

B1 INSTALLATION DRAWING

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CP6667-16/17S4L & CP6667-18/19S4L SPECIFICATION

GENERAL DESCRIPTION

6 PISTON DIFFERENTIAL BORE CALIPER WITH A FIXED BRIDGE DESIGN
TO SUIT AN IRON DISC UP TO Ø380x35.6mm.

TYPICAL APPLICATION - TOURING CAR

CALIPER SPECIFICATION

BORE SIZE	CEJ (27.00 x 31.75 x 38.10) (1.063" x 1.25" x 1.50")
PISTON AREA (TOTAL)	50.08cm ²
DISC DIAMETER	380.00
DISC THICKNESS MAX	35.60
DISC THICKNESS MIN (WORN CONDITION)	34.60 (DIFFERENTIAL WEAR NOT TO EXCEED 0.5mm SIDE TO SIDE)
PAD FAMILY	CP3558
PAD THICKNESS MAX	25.25
PAD THICKNESS MIN	5.00
MIN STACK	44.60
HYDRAULIC FEED	M10x1.0 15.0 THREAD DEPTH
DUCTING MOUNTS	M4x0.70 5.00 THREAD DEPTH
DRY WEIGHT (WITHOUT PADS)	2.90kg
EFFECTIVE RADIUS (ON Ø380 DISC)	163.0
'PL' DIMENSION (TOP OF PAD FRICTION MATERIAL TO CALIPER MOUNTING FACE)	63.50
'C' DIMENSION (CALIPER OFFSET)	35.00
'U' DIMENSION (UPRIGHT MOUNTING)	126.5 U = (DISC Ø/2) - PL
TIGHTENING TORQUES	BLEED SCREW: 17Nm PAD LEDGE SCREWS: 4Nm TYPICAL M12 MOUNTING BOLT: 65Nm (GUIDANCE ONLY)

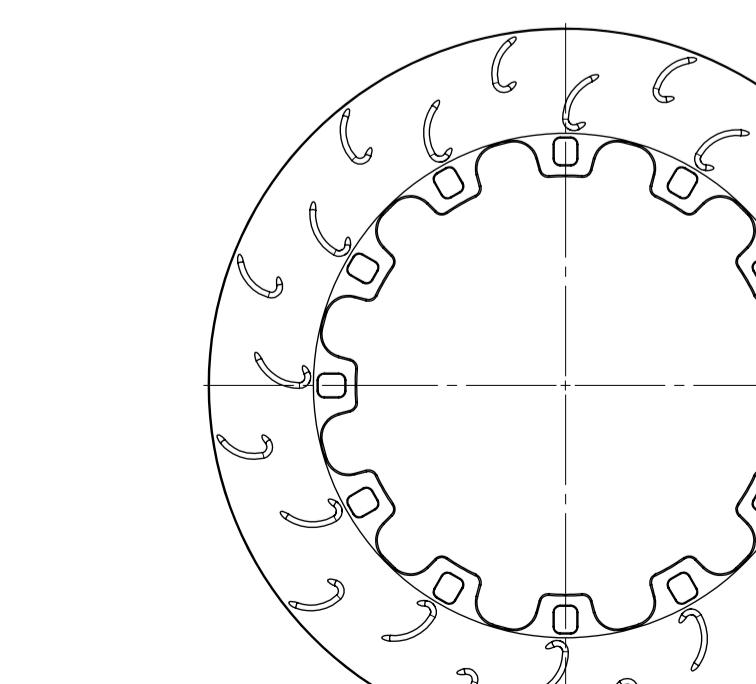
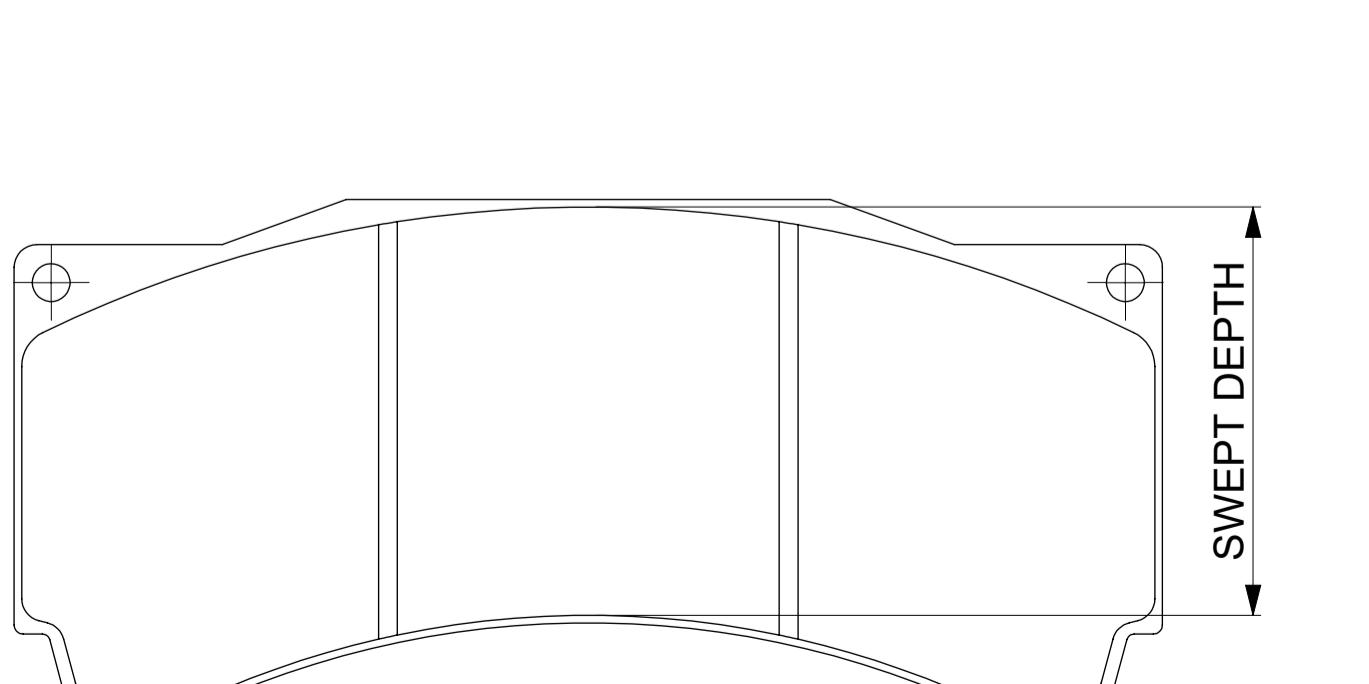
CALIPER POSITIONING

RHT	RIGHT HAND TRAILING (BEHIND AXLE)
LHT	LEFT HAND TRAILING (BEHIND AXLE)
RHL	RIGHT HAND LEADING (BEHIND AXLE)
LHL	LEFT HAND LEADING (BEHIND AXLE)

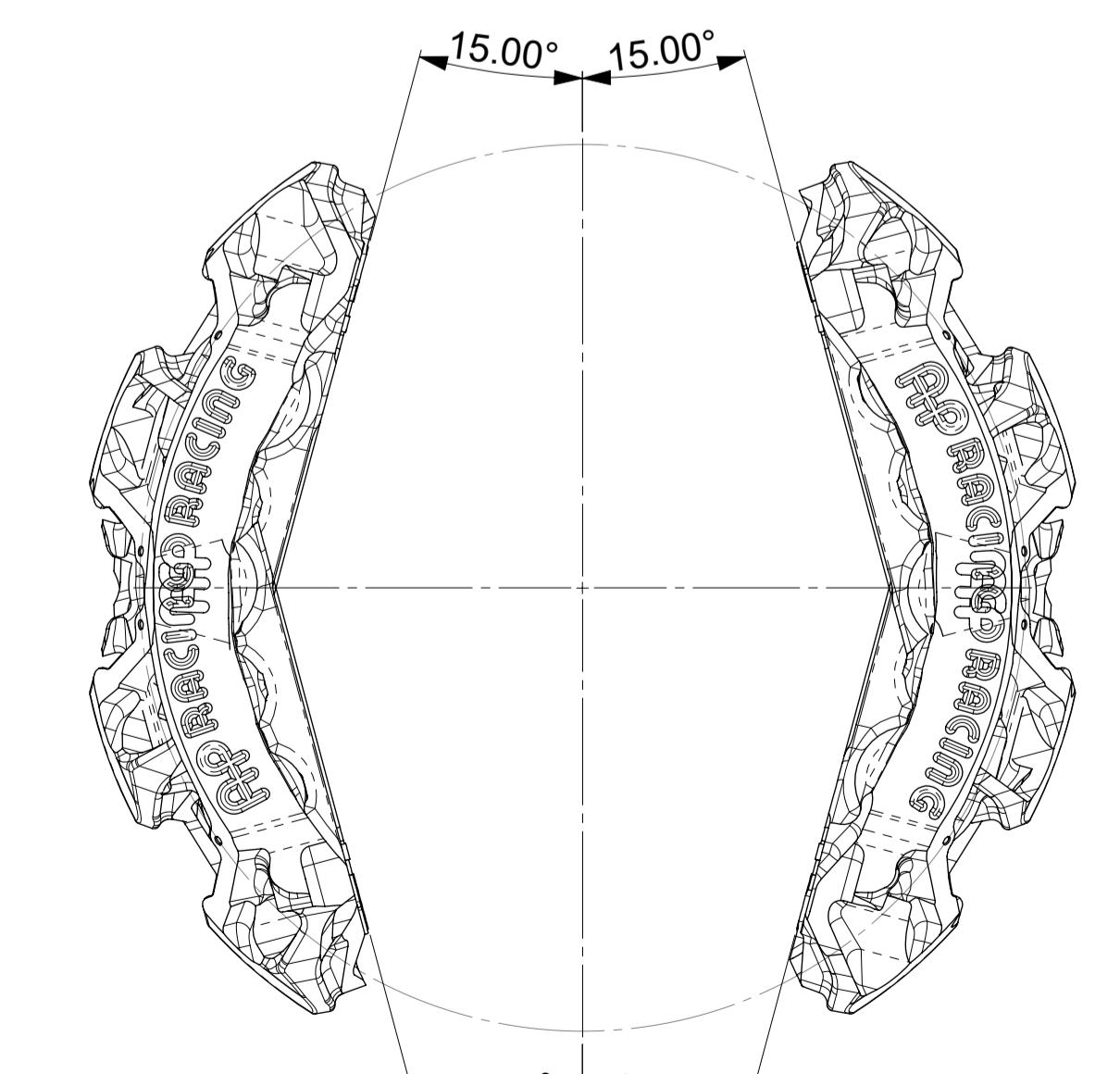
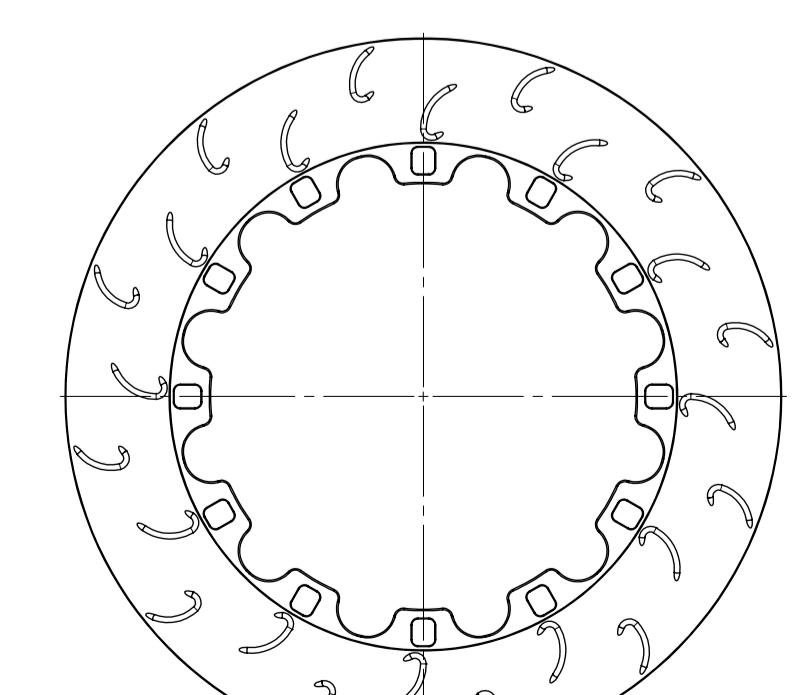
PART NUMBERING CONVENTION

PART NUMBER	DESCRIPTION
CP6667-16S4L	RHT - SIDE FEED - 4lb AKB SPRING - STAINLESS PISTONS
CP6667-17S4L	LHT - SIDE FEED - 4lb AKB SPRING - STAINLESS PISTONS
CP6667-18S4L	RHL - SIDE FEED - 4lb AKB SPRING - STAINLESS PISTONS
CP6667-19S4L	LHL - SIDE FEED - 4lb AKB SPRING - STAINLESS PISTONS

INSTALLATION INFORMATION

THE CALIPER IS DESIGNED SO THAT THE DISC WILL BE MOUNTED CENTRALLY
WITHIN A TOLERANCE OF ± 0.50 mm.THE CALIPER CAN BE MOUNTED IN THE LEADING OR TRAILING POSITION $\pm 15^\circ$
FROM THE VERTICAL. ENSURE THE BLEED SCREW IS INSERTED INTO THE
HIGHEST PORT.THE DIAMETRICAL CLEARANCE BETWEEN THE DISC OUTSIDE DIAMETER AND THE
PATHWAY SHOULD BE 2.50mm NOMINALLY.

DISC INFORMATION
THE DISCS SHOWN ARE TWO DISCS
COMMONLY USED WITH THESE
CALIPERS. OTHER DISCS AND OTHER
GROOVE PATTERNS ARE AVAILABLE.
PLEASE SPEAK TO AP RACING
TECHNICAL SALES FOR MORE
INFORMATION.



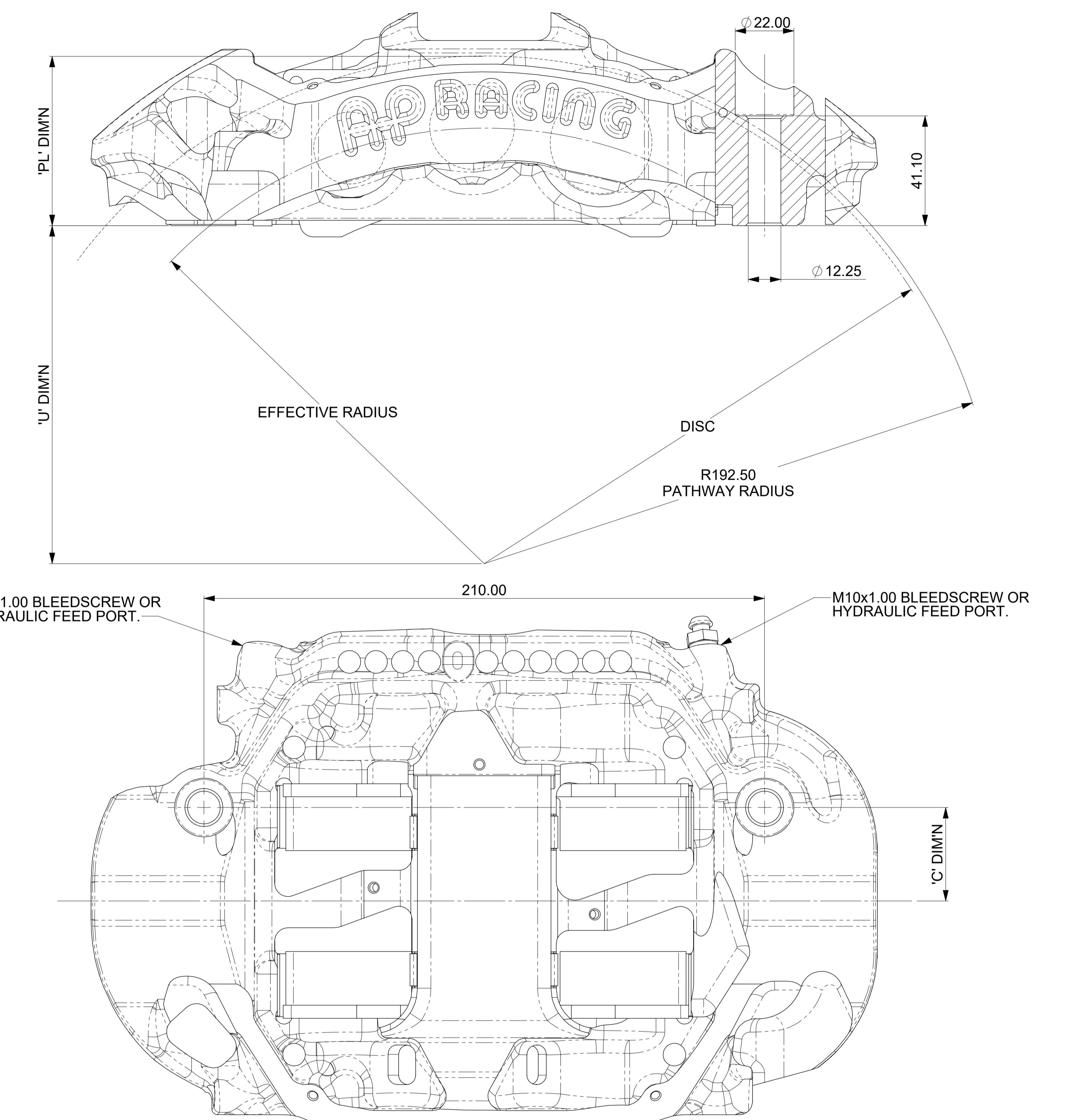
CP3558 PAD FAMILY

PAD AREA	SLOTTED - 77.4cm ²
SWEEP DEPTH	54.0mm

CP6972-2084/5 DISC

OUTSIDE DIAMETER	378mm
THICKNESS	35.6mm

OPTIMUM BLEED POSITION
FOR OPTIMUM BLEED, THE CALIPER SHOULD BE
INSTALLED IN THE LEADING OR TRAILING POSITION
 $\pm 15^\circ$ FROM THE VERTICAL AS SHOWN. ENSURE THE
BLEED SCREW IS FITTED IN THE HIGHEST PORT
ABOVE THE HYDRAULIC FEED.



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SHEET 1 OF 3

SCALE 1:1

DRAWN T HARGRAVE-SMITH

APPROVED

DERIVED FROM CP6667-13CD

TITLE 6 PISTON CALIPER

MONOBLOC

DRG NO. CP6667-20CD

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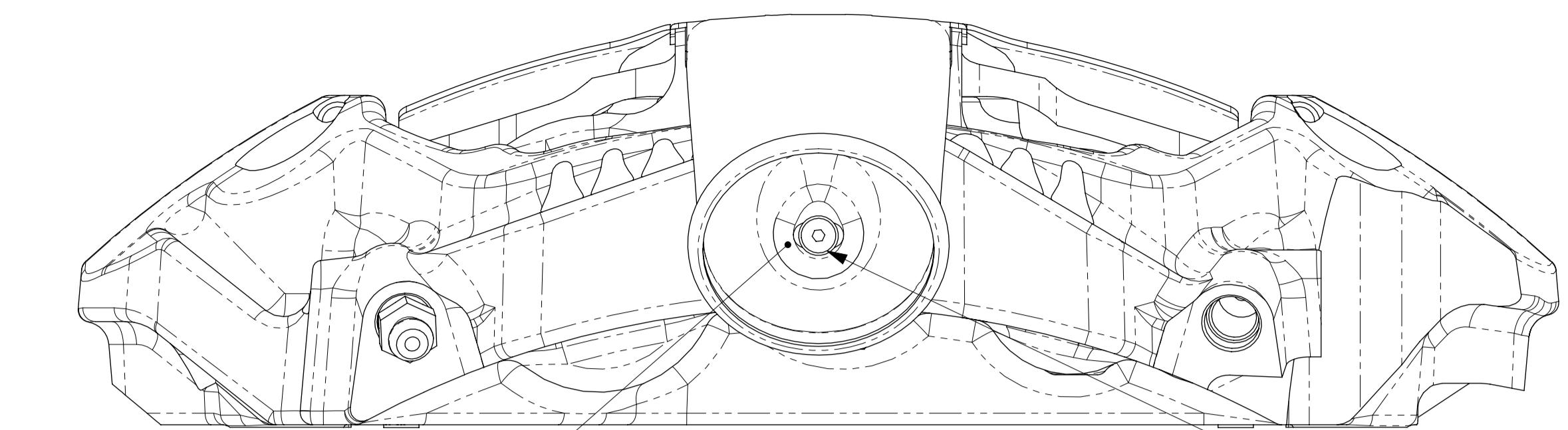
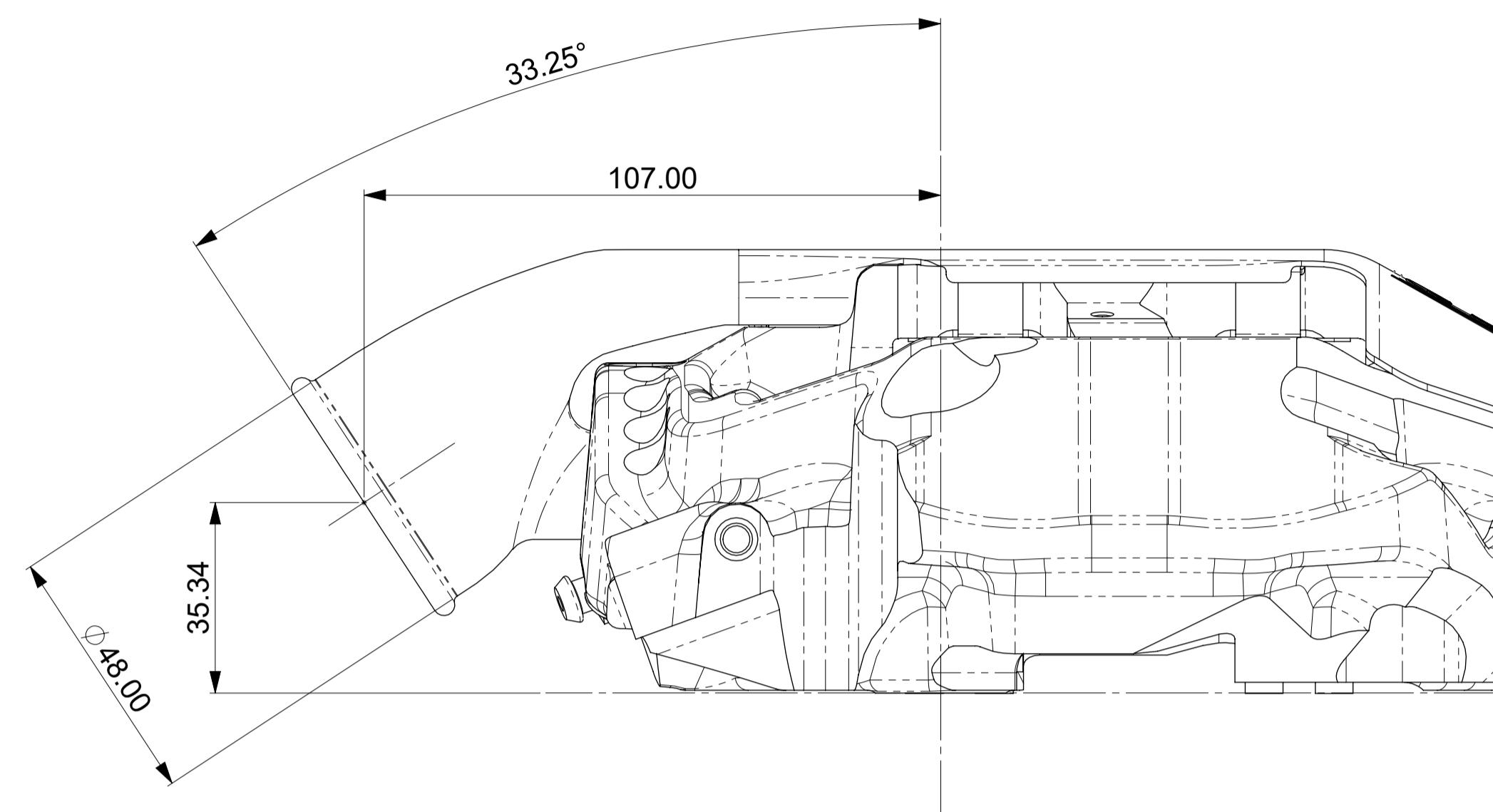
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Alterations
Particulars
Zone
Initials

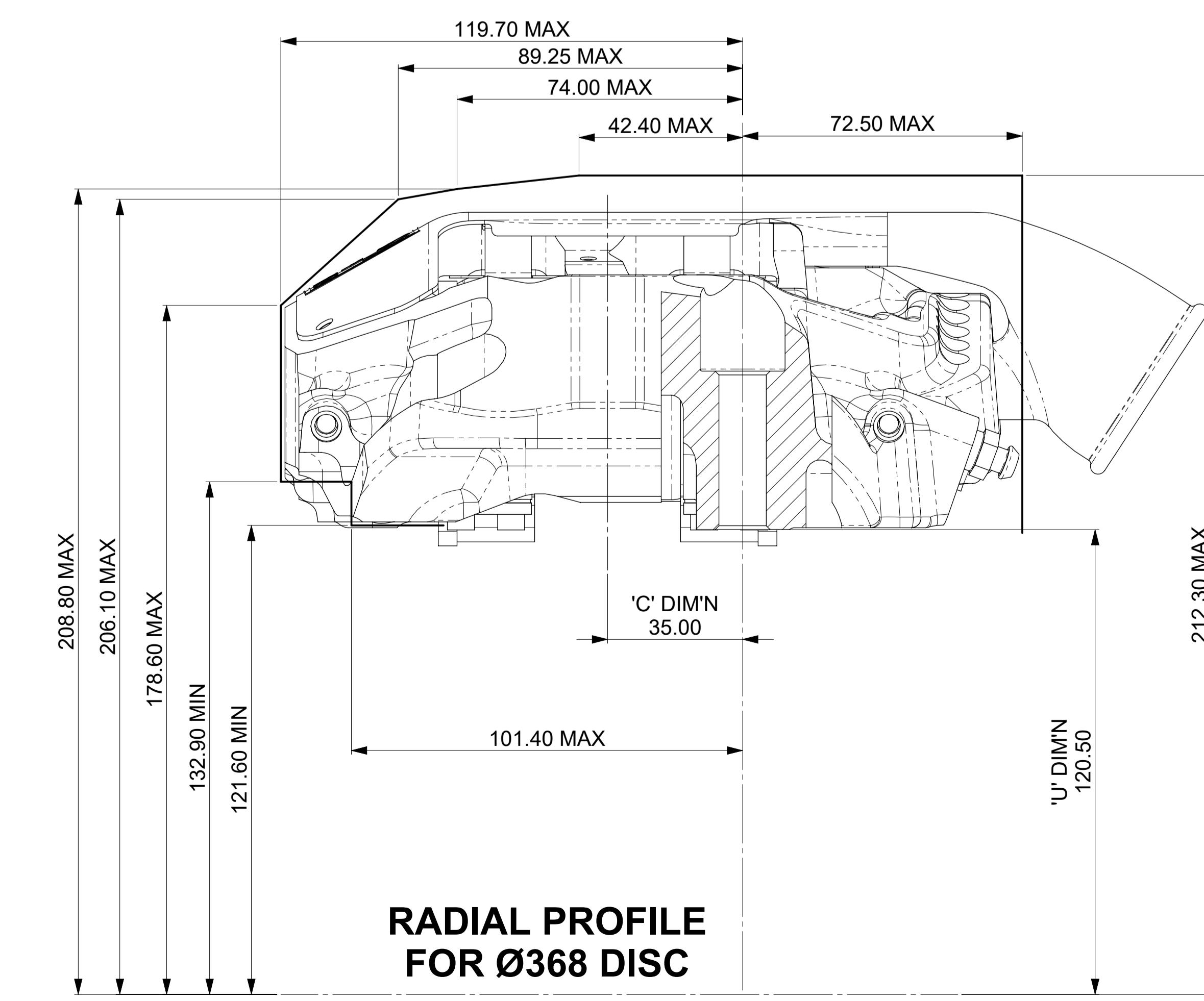
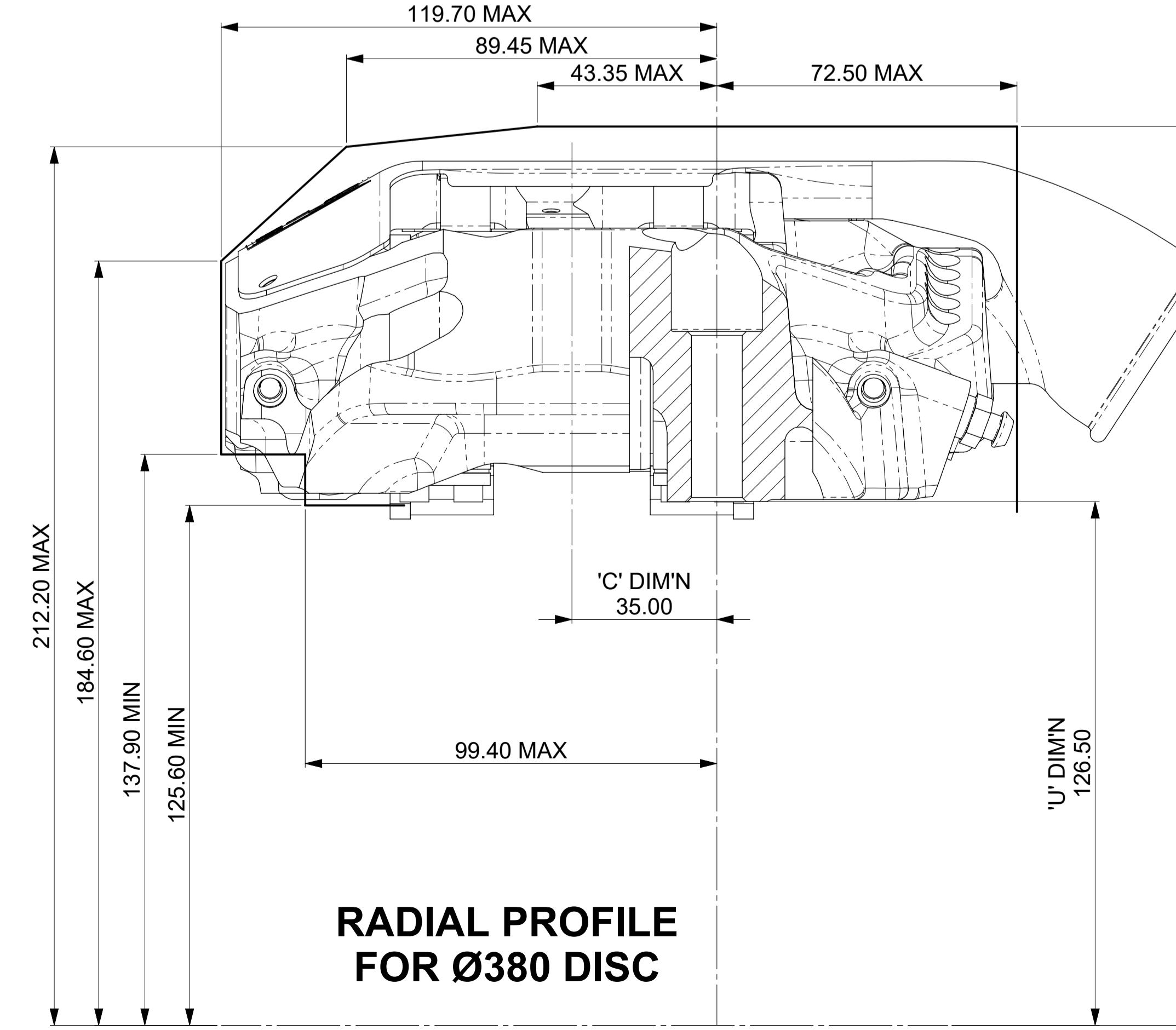
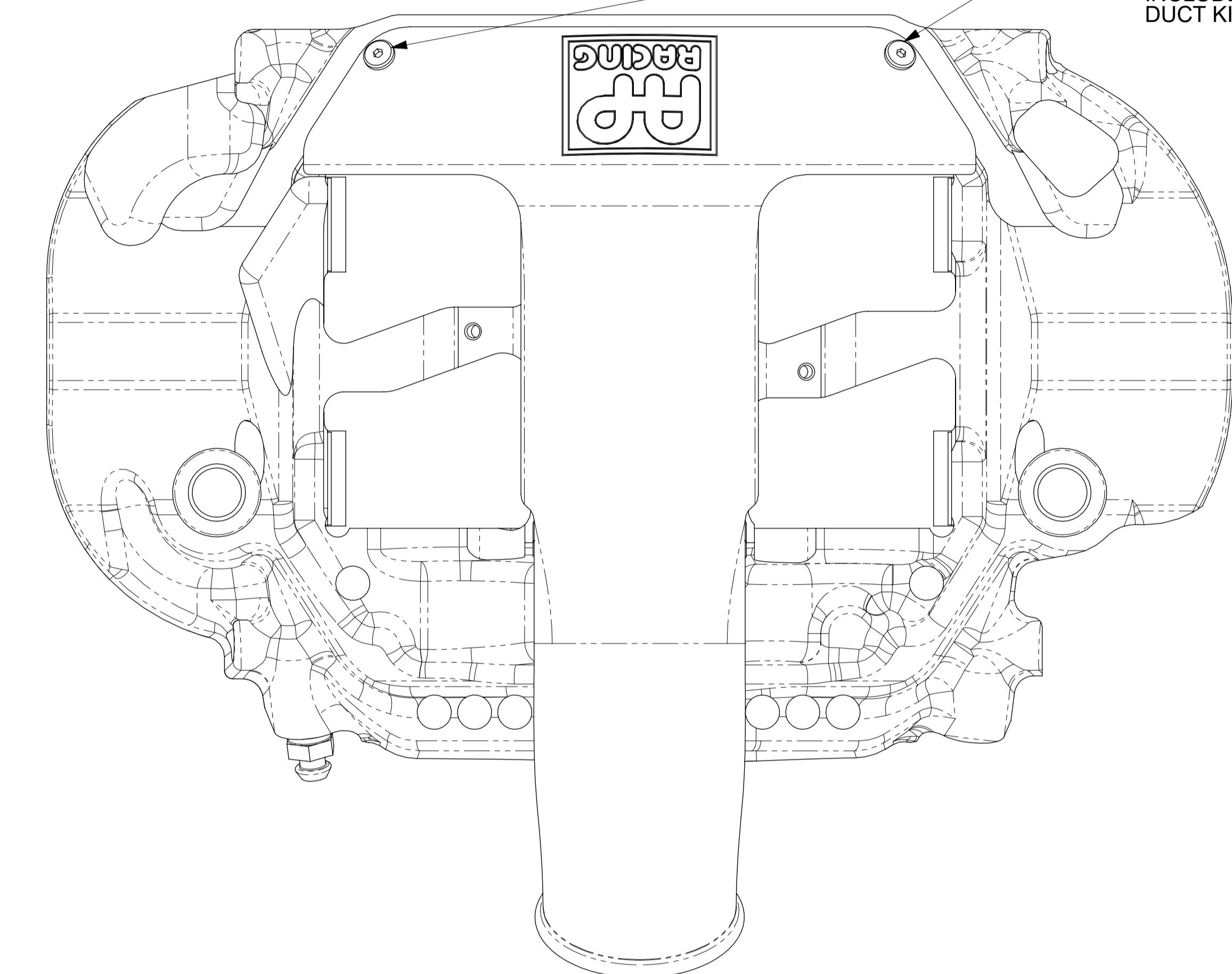
Issue No. Date & No. SEE SHEET 1 FOR ISSUE INFORMATION.

CP6265-105 CARBON DUCT KIT



RECESS IN DUCT CAN BE COVERED WITH
DUCT TAPE OR SIMILAR ONCE THE
SCREW HAS BEEN FITTED TO CREATE A
SMOOTH SURFACE TO FACILITATE AIR
FLOW.

3 OFF M4x6.00 LOW PROFILE
SCREWS TO RETAIN CARBON DUCT.
3x CP6078-106 SCREWS ARE
INCLUDED IN CP6265-105 CARBON
DUCT KIT.



SCALE 1:1 SHEET 2 OF 3
DRAWN T HARGRAVE-SMITH
APPROVED
DERIVED FROM CP6667-13CD
TITLE 6 PISTON CALIPER
MONOBLOC
DRG NO. CP6667-20CD

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Issue No. Alterations

Date & No. Particulars

Zone Initials

- - - - -

N M L K J H G F E D C B A

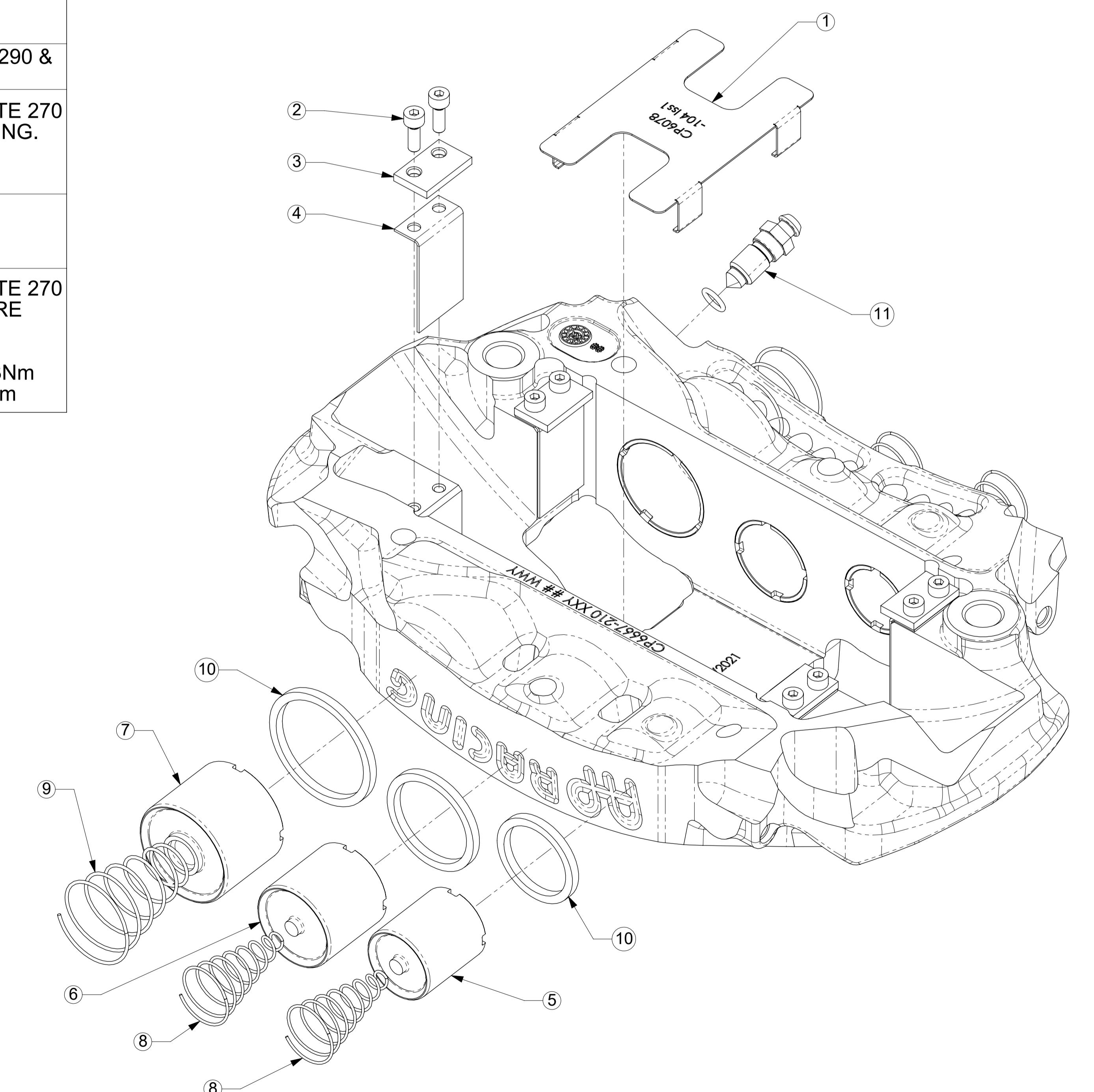
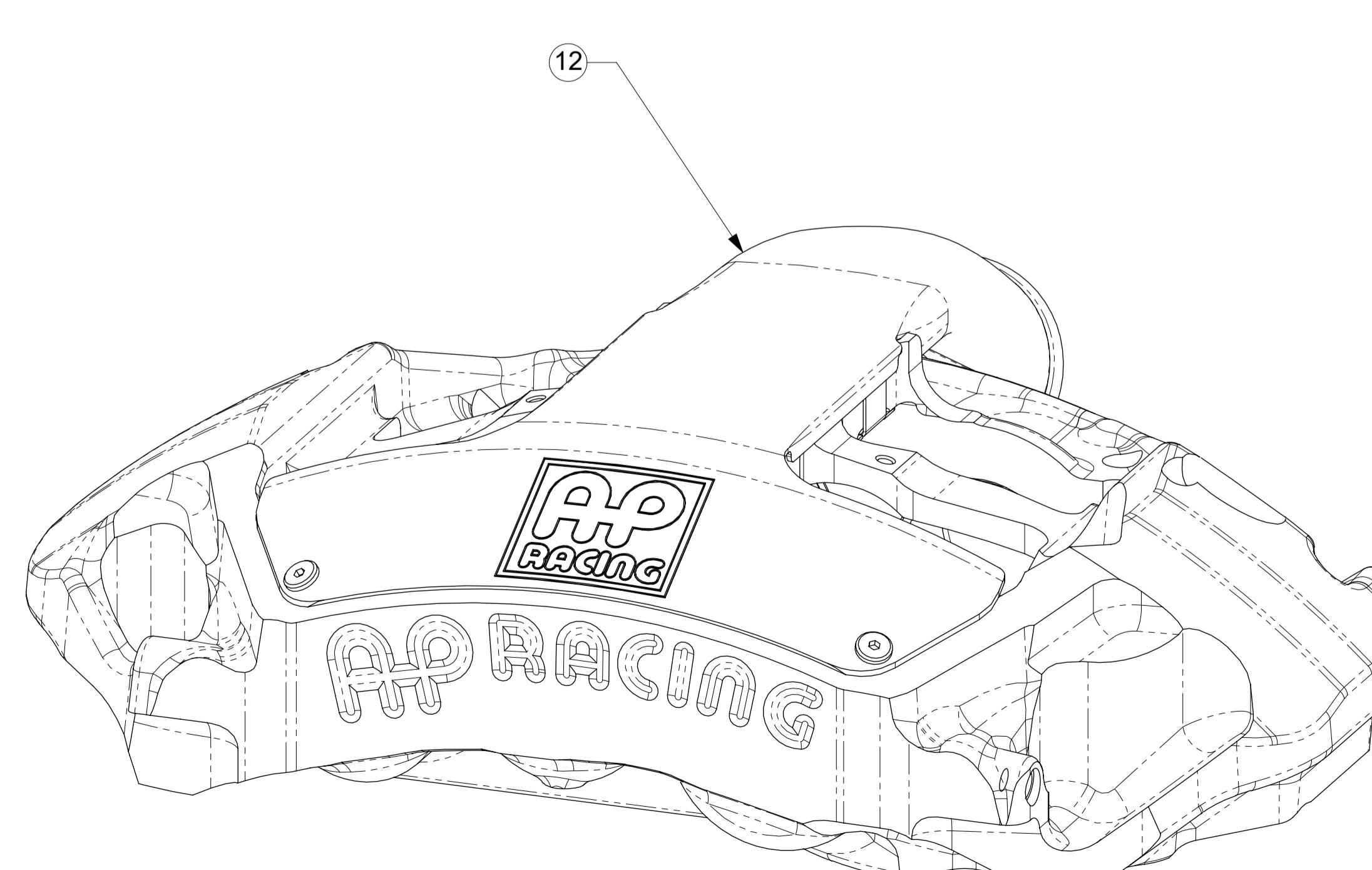
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CP6667-16/17S4L AND CP6667-18/19S4L SPARES

REF	DESCRIPTION	PART NUMBER	QTY PER ASSEMBLY	FITTING INSTRUCTIONS
1	BRIDGE WEAR PLATE	CP6078-104	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 SUPPORT	CP6230-110	4	ENSURE THE FLAT SIDE OF THE PAD SUPPORT LINES UP WITH THE DISC PATHWAY AS SHOWN.
4	PAD ABUTMENT PLATE	CP6470-106	4	
5	Ø27.00 [1.063"] SST PISTON (C-BORE)	CP6265-107	2	
6	Ø31.75 [1.25"] SST PISTON (E-BORE)	CP6265-108	2	
7	Ø38.10 [1.50"] SST PISTON (J-BORE)	CP6265-109	2	
8	4lb ANTI-KNOCKBACK SPRING	CP4100-121	4	
9	4lb ANTI-KNOCKBACK SPRING	CP2667-113	2	
10	SEAL KIT (6 SEALS)	CP4518-CEJ	1	REFER TO PUBLICATION REF: P14.290 & P14.220
11	BLEED SCREW KIT	CP3880-1	2	APPLY A SMALL AMOUNT OF LOCTITE 270 TO THE THREADS BEFORE FITTING. TIGHTENING TORQUE - 17Nm

OPTIONAL EXTRAS

12	CARBON DUCT KIT	CP6265-105	1	APPLY A SMALL AMOUNT OF LOCTITE 270 TO THE VALVE THREADS BEFORE FITTING VALVE TIGHTENING TORQUE - 13Nm CAP TIGHTENING TORQUE - 4Nm
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SCALE 1:1 SHEET 3 OF 3
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