

A1 INSTALLATION DRAWING

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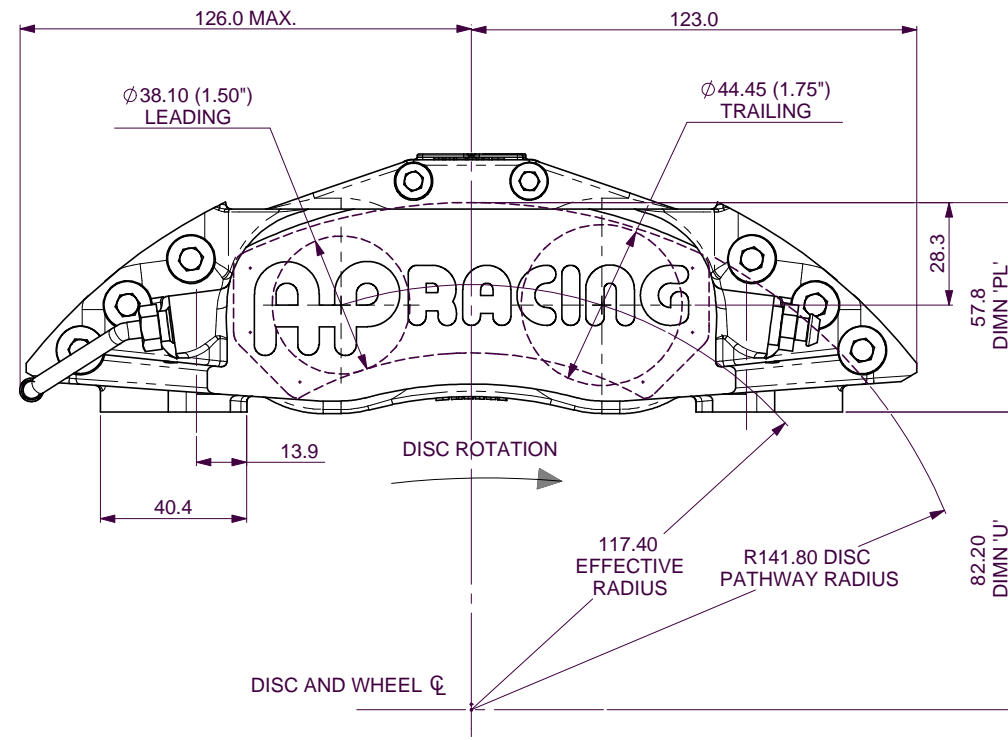
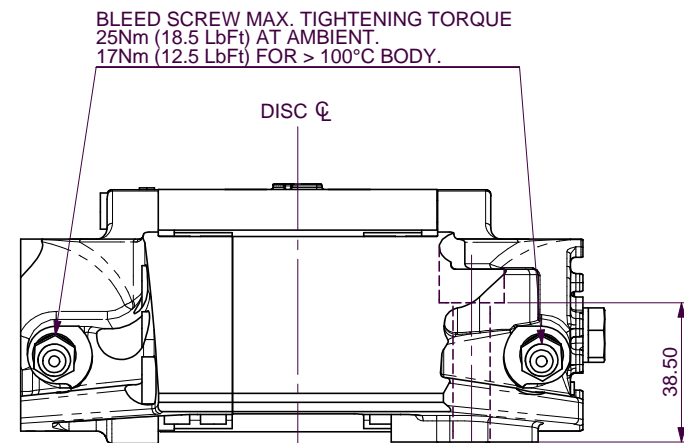
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GENERAL DESCRIPTION:

THIS IS A 4 PISTON DIFFERENTIAL BORE CALIPER DESIGNED TO OPERATE ON A CAST IRON DISC OF ϕ 280 x 30. STAINLESS STEEL BRIDGE PIPES AND PAD ABUTMENT WEAR PLATES ARE FITTED. SEALS ARE HIGH TEMPERATURE 'SEAL-IN-BORE' TYPE.

TYPICAL APPLICATION:

TECHNICAL INFORMATION:

TOTAL PISTON AREA: 53.85cm²
PISTON MATERIAL: ALUMINIUM
BODY MATERIAL: ALUMINIUM ALLOY
HYDRAULIC CONNECTIONS: M10 x 1.0
BRAKE PADS: CP2279D42 FAMILY
ASSEMBLY WEIGHT: 2.3 Kg. (WITHOUT PADS)

INSTALLATION INFORMATION

DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN \pm 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, I.e. (DISC ϕ /2) - DIMENSION 'PL'.
DIMENSION 'C': OFFSET-DISC CENTRE LINE TO MOUNTING HOLES.
EFFECTIVE RAD: DISTANCE FROM WHEEL CENTRE LINE TO NOMINAL PISTON CENTRE LINE.

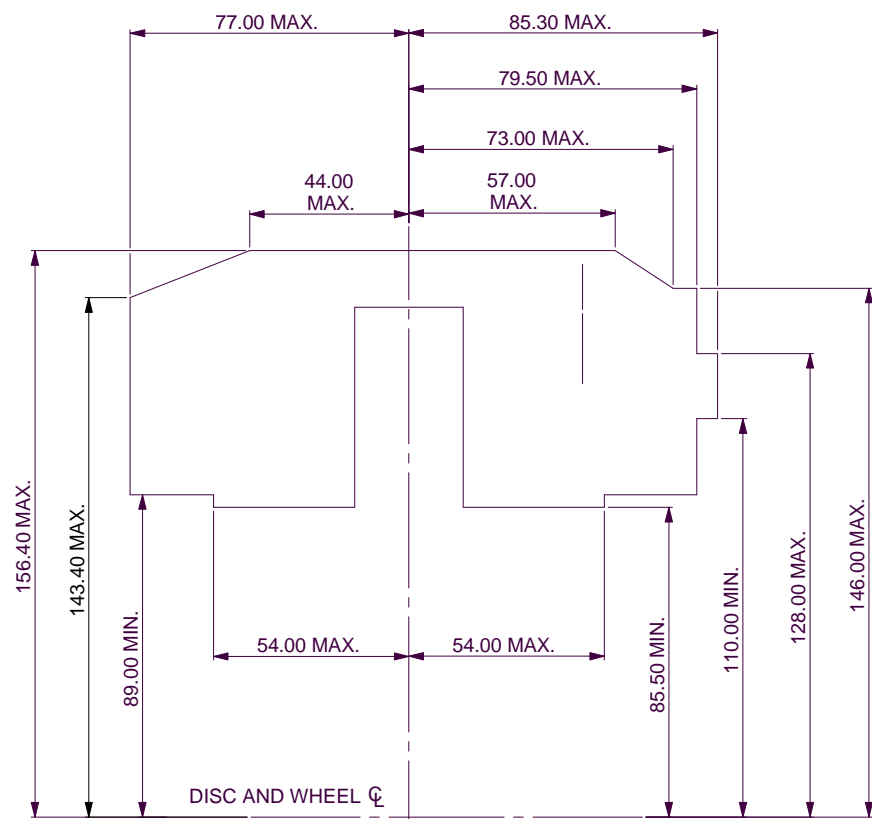
AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY PARTICULAR APPLICATION.

CALIPER PART NUMBERS

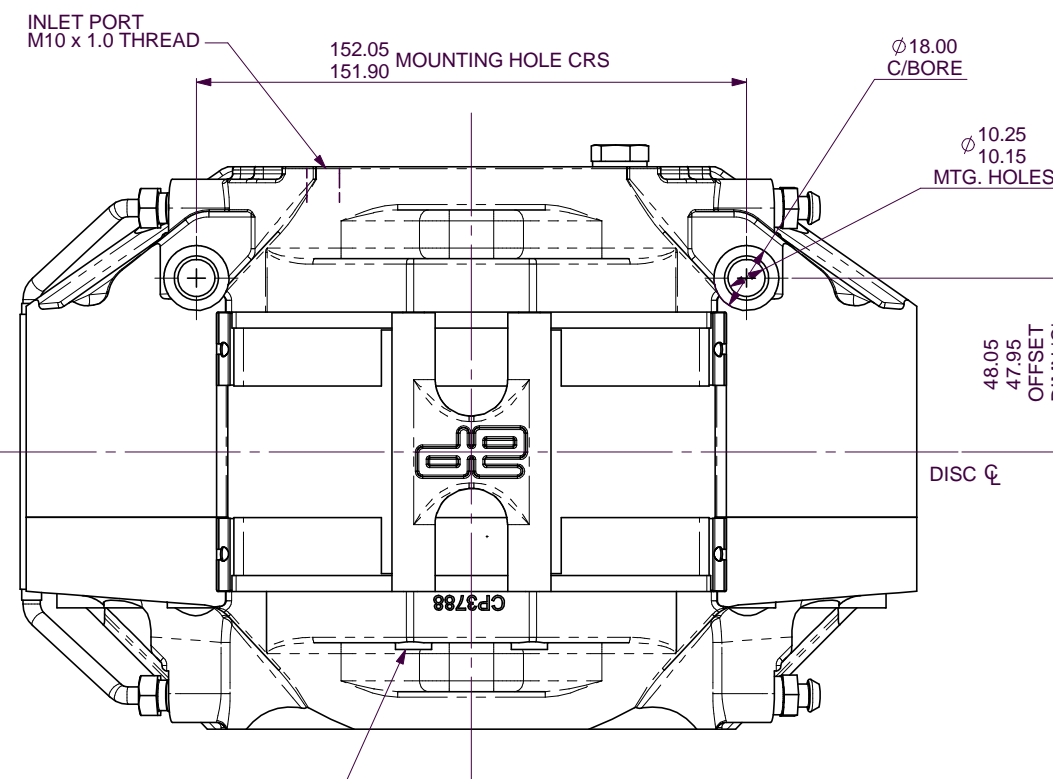
CP5090-2S4 - RIGHT HAND TRAILING (BEHIND AXLE) AS DRAWN.
CP5090-3S4 - LEFT HAND TRAILING (BEHIND AXLE).
CP5090-4S4 - RIGHT HAND LEADING (IN FRONT OF AXLE).
CP5090-5S4 - LEFT HAND LEADING (IN FRONT OF AXLE).

REPLACEMENT SEAL KIT

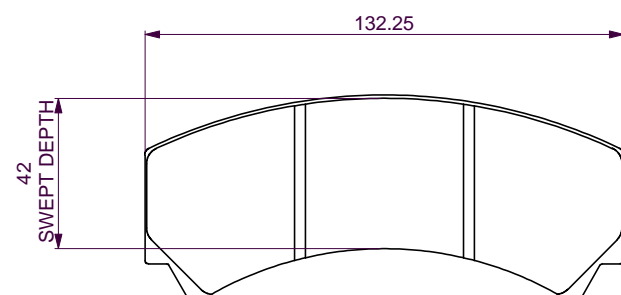
SEAL KIT (HIGH TEMPERATURE) CP4518-JL



RADIAL PROFILE OF CALIPER



PAD RETAINER BOLT MAX. TORQUE 15 NM (11 LbFt)



CP2279D42 PAD FAMILY
THICKNESS - 20.4mm
PAD AREA - 51.2 CM²

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	08/07/05 B4313	FIRST ISSUE	#	DRA
2	26/07/05 B4313	MOUNTING HOLES WERE ϕ 12.23/12.08. C/BORES WERE ϕ 20.25	#	DRA

SCALE 1:1	SHEET 1 OF 1
DRAWN	D.ARROWSMITH
APPROVED	
DERIVED FROM	
TITLE	
1.75" x 1.50" x 4 CALIPER INSTALLATION DRAWING	
DRG NO.	CP5090-1CD