

A1 INSTALLATION DRAWING

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GENERAL DESCRIPTION:

THIS IS A 4 PISTON DIFFERENTIAL BORE CALIPER DESIGNED TO OPERATE ON A VENTILATED CAST IRON DISC OF DIAMETERS Ø277.6 AND THICKNESSES 16-17 mm OR 18 - 19mm. STAINLESS STEEL BRIDGE PIPES AND PAD ABUTMENT WEAR PLATES ARE FITTED. SEALS ARE HIGH TEMPERATURE 'SEAL-IN-BORE' TYPE.

TYPICAL APPLICATION:

FORMULA 3

TECHNICAL INFORMATION:

TOTAL PISTON AREA: 45.92cm²
PISTON MATERIAL: ALUMINIUM ALLOY AS STANDARD
PISTON MATERIAL: STAINLESS STEEL OPTION
BODY MATERIAL: ALUMINIUM ALLOY
HYDRAULIC CONNECTIONS: M10 x 1.0
BRAKE PADS: CP3345 FAMILY
ASSEMBLY WEIGHT: 1.5 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 Ø2) - 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

DISC WIDTH 16-17mm

CP7030-2S0 - RIGHT HAND TRAILING (AS DRAWN)
CP7030-3S0 - LEFT HAND TRAILING
CP7030-4S0 - RIGHT HAND LEADING
CP7030-5S0 - LEFT HAND LEADING
THE ABOVE PART NUMBERS USE ALUMINIUM PISTONS FOR THE OPTIONAL STAINLESS STEEL PISTONS ADD THE SUFFIX 'L' TO THE PART No. eg CP7030-2S0L

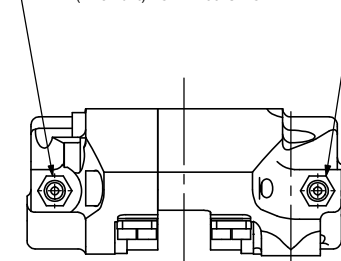
DISC WIDTH 18-19mm

CP7030-8S0 - RIGHT HAND TRAILING
CP7030-9S0 - LEFT HAND TRAILING
CP7030-10S0 - RIGHT HAND LEADING
CP7030-11S0 - LEFT HAND LEADING
THE ABOVE PART NUMBERS USE ALUMINIUM PISTONS FOR THE OPTIONAL STAINLESS STEEL PISTONS ADD THE SUFFIX 'L' TO THE PART No. eg CP7030-8S0L

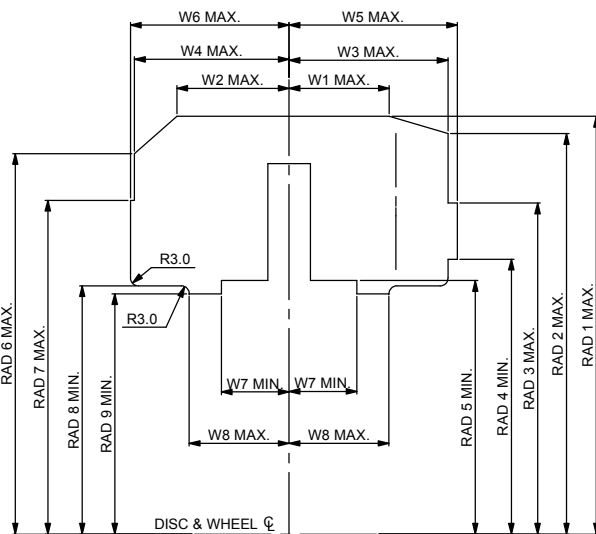
REPLACEMENT SEAL KIT

SEAL KIT (HIGH TEMPERATURE) CP4518-GK

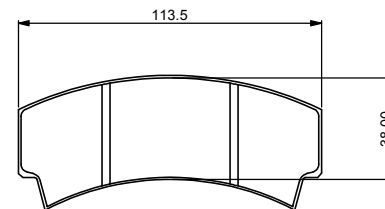
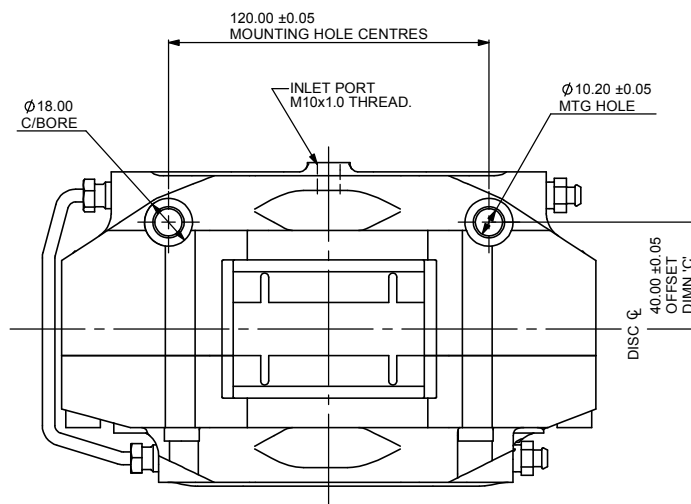
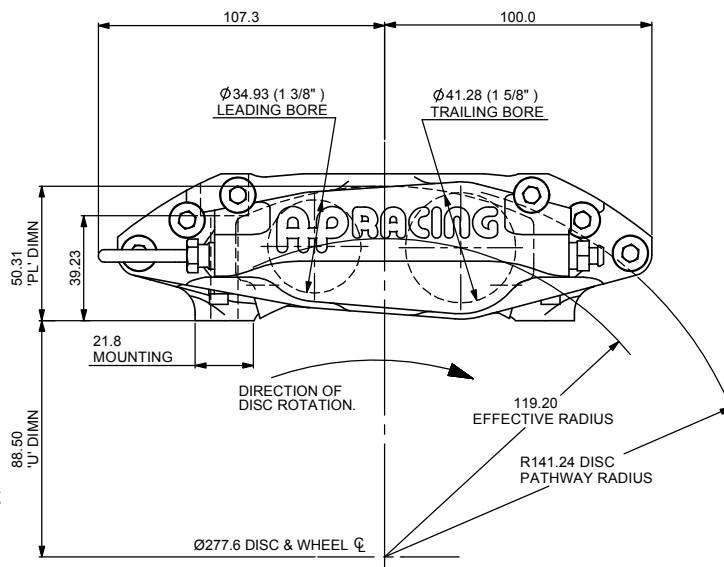
BLEED SCREW MAX. TIGHTENING TORQUE
25Nm (18.5 LbFt) AT AMBIENT.
17Nm (12.5 LbFt) FOR > 100°C BODY.



DISC Ø



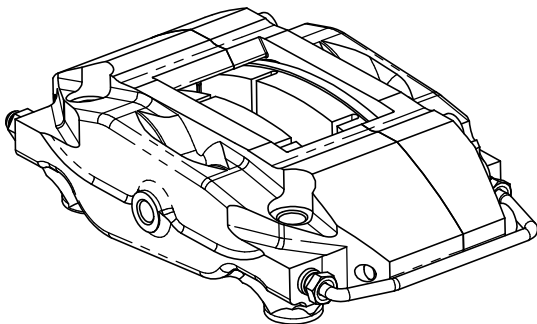
RADIAL PROFILE



CP3345D38 PAD

PAD AREA :- 38.0 cm²

PAD THICKNESS :- 16 mm



	DISC WIDT H	DIM'N W1	DIM'N W2	DIM'N W3	DIM'N W4	DIM'N W5	DIM'N W6	DIM'N W7	DIM'N W8	RAD 1	RAD 2	RAD 3	RAD 4	RAD 5	RAD 6	RAD 7	RAD 8	RAD 9
CP7030-2/3/4/5	16-17	37.50	42.00	59.50	57.90	63.00	59.40	25.40	37.40	156.50	150.00	124.00	103.00	95.00	142.50	125.00	93.00	90.00
CP7030-8/9/10/11	18-19	38.50	43.00	60.50	58.90	64.00	60.40	26.40	38.40	156.50	150.00	124.00	103.00	95.00	142.50	125.00	93.00	90.00

Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars	#		
1	14/02/03 B3413	CURRENT ISSUE			CDA
2	25/10/07 B4990	REFERENCE TO STAINLESS STEEL PISTON OPTION ADDED			DR
3	25/09/08 B5323	CP7030-8/9/10/11S0 DETAILS ADDED			BAT
4	09/04/09 B5557	NOTE REGARDING SST PISTON VERSIONS OF CP7030-8/9/10/11 ADDED			E12 JH

SCALE 1:1	SHEET 1 OF 1
DRAWN	Chris Arrowsmith
APPROVED	
DERIVED FROM	
TITLE	CP7030 CALIPER
DRG NO.	CP7030-1 CD