



PAD AREA - 34.39 SQ.CM
 PAD VOLUME - 34.73 CU.CM
 (FIGURES FOR FULL DEPTH PAD)

GENERAL DESCRIPTION.
 THIS IS A 2-POT ALUMINIUM ALLOY CALIPER DESIGNED TO OPERATE ON A VENTILATED DISC AS SPECIFIED BELOW. THIS CALIPER IS FITTED WITH DUST SEALS IN THE BORES.

APPLICATION
 F2 RALLY CAR REAR CALIPER

SPECIFICATION
 PISTON DIA. - 2X36.0
 TOTAL PISTON AREA - 20.4 SQ.CM
 HYDRAULIC THREADS - M10X1.0
 PISTON MATERIAL - ALUMINIUM ALLOY (STANDARD)

NOTES
 DIMENSION 'PL' TOP OF PAD MATERIAL TO MOUNTING HOLE BOSS FACE WITH PAD SITTING DOWN ON LEDGE.
 DIMENSION 'C' OFFSET - DISC CENTRE LINE TO CALIPER MOUNTING HOLE C.
 DIMENSION 'D' MOUNTING HOLE CENTRES.
 DIMENSION 'H' MOUNTING HOLE DIAMETER.
 DIMENSION 'U' WHEEL CENTRE TO CALIPER MOUNTING HOLE BOSS FACE.
 EFFECTIVE RAD. (DISC DIAMETER/2) - 'PL' DIMENSION RAD FROM WHEEL C TO NOM PISTON C.

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

1. SELECT ASSEMBLY FROM TABLE.
 2. SELECT SUFFIX CHARACTERS AS FOLLOWS-
 1st CHARACTER- 'S' DENOTES POSITION OF INLET ADAPTOR ('S' FOR SIDEFEED).
 2nd CHARACTER- '0', '4' OR '7' DENOTES THE LOAD OF ANTI KNOCK BACK SPRINGS FITTED
 '0' NO SPRINGS
 '4' 4lb (17.8N) SPRINGS
 '7' 7lb (31.0N) SPRINGS FITTED LOAD.
 3rd CHARACTER- 'M' DENOTES ALTERNATIVE PISTON MATERIAL ('M' FOR TITANIUM).
 SHOULD PISTONS BE INADVERTANTLY REMOVED, THEY SHOULD BE WIPED CLEAN AND SMEARED WITH AP RACING BRAKE FLUID BEFORE REPLACEMENT.
 3. THE CORRECT PAD FAMILY NUMBER FOR THIS CALIPER IS CP2399. PADS SHOULD BE ORDERED SEPARATELY. A WIDE VARIETY OF MATERIALS ARE AVAILABLE;- PLEASE CONTACT A.P. RACING FOR ADVICE.

EXAMPLE PART NUMBER - CP5020-2054

CALIPER ASSY FAMILY No	STROKE L	STROKE R	DISC DIA Ø	DISC WIDTH DIM 'E'	DIMN 'C'	DIMN 'H'	DIMN 'D'	DIMN 'PL'	RAD 'N'	REMARKS & APPLICATIONS
CP5020	20	21	304.0	9.60	17.50	10.15 10.05	130.05 129.95	41.50	152.50	

RADIAL PROFILE CHART.

	DISC Ø	EFF RAD	RAD 1	RAD 2	RAD 3	RAD 4	W 1	W 2	W 3	W 4	W 5
CP5020-20/21	Ø304.0	129.56	175.00	161.25	99.75	96.75	56.50	53.00	35.75	35.00	32.75
	Ø280.0	117.56	163.00	149.25	87.75	84.75	56.50	53.00	35.75	35.00	32.75

TEST
 UNLESS OTHERWISE STATED:
 DIMENSIONAL TOLERANCES ±0.25
 ANGULAR TOLERANCES ±0°30'
 MAX SURFACE FINISH: BY ANY METHOD
 ON MACHINED SURFACES √ = μm (Ra)
 WITHOUT MATERIAL REMOVAL √ = μm (Ra)

DIMENSIONS IN MILLIMETERS DRAWING TO B.S.308. THREADS TO B.S.3643 PT2 (MEL110). REMOVE BURRS.

TITLE

SCALE 1:1

TRANSLATION SHEET NO(S)

SHEET NO. TOTAL 1 OF 1

ISSUE NO.	DATE & NO.	ALTERATIONS PARTICULARS	CHK'D
1	06/01/03 B3528	FIRST ISSUE	
2	08/05/03 B3644	RADIAL PROFILE DETAIL FOR Ø280 DISC ADDED AP & RACING LOGOS UPDATED	

MATERIAL

MATERIAL SPECIFICATION(S)

TREATMENT

DRAWN THOMAS 06/01/03 CHECKED

RE-DRAWN CHECKED

GENERATED FROM cp5310-1cd

TITLE 2X36.0mm RADIAL MOUNTING CALIPER INSTALLATION

PART NO. CP5020-11

GROUP PART NO.

IMPORTANT NOTE:
 DISC AND CALIPER MOUNTING TOLERANCES TO BE SUCH THAT DISC IS CENTRAL TO CALIPER TO WITHIN ±0.5 MM.