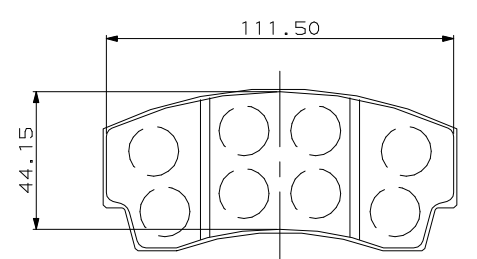
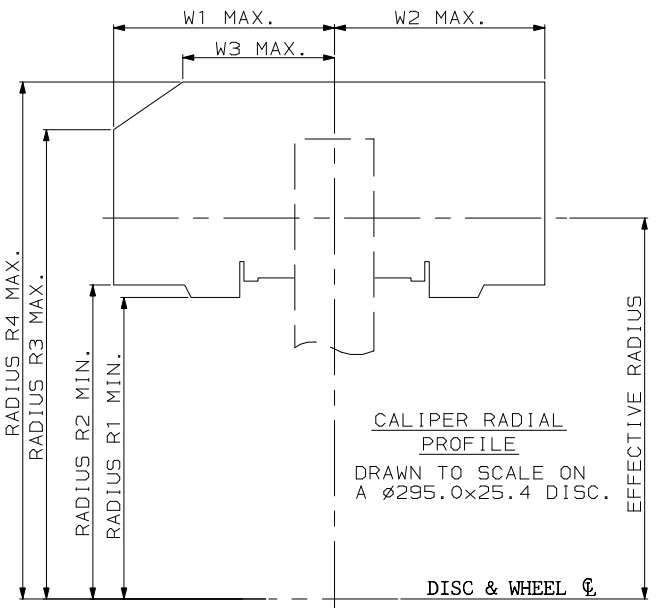


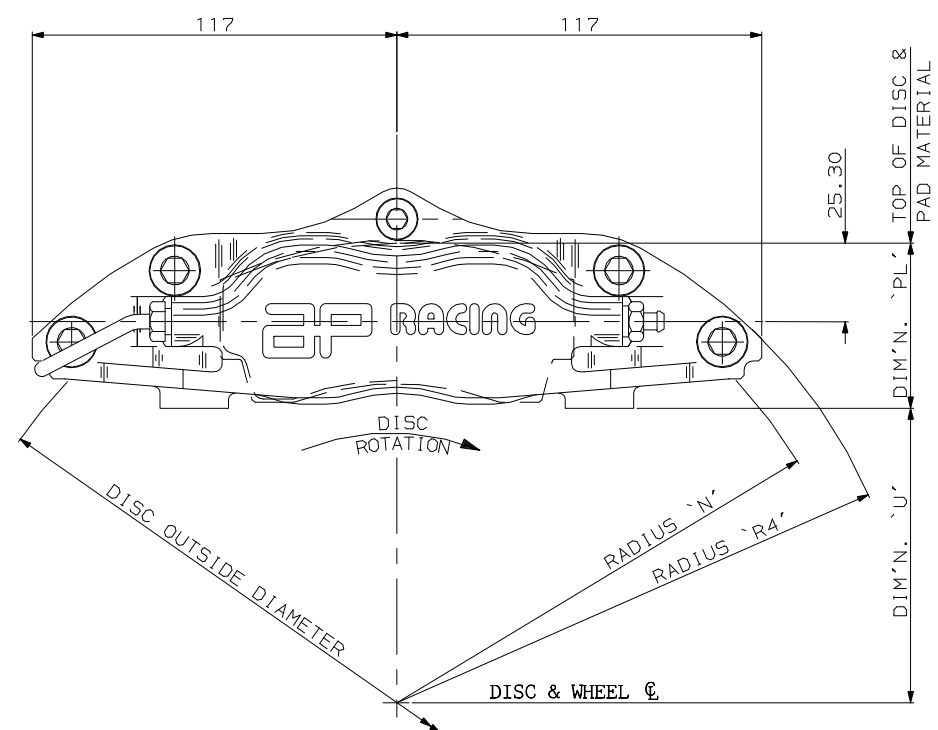
DIM 'N' 'E'
DISC WIDTH

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

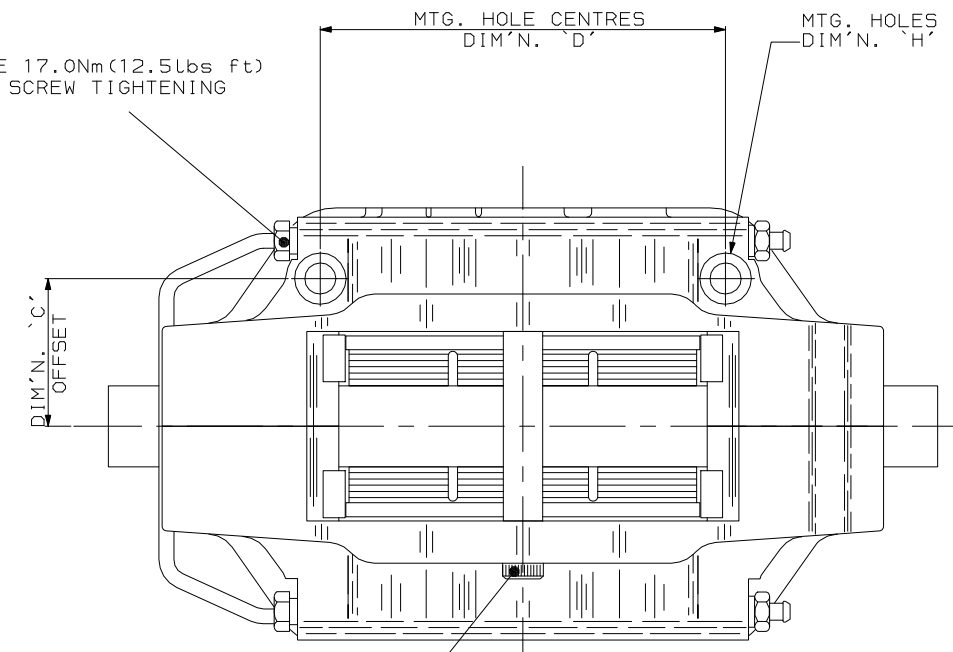


CP3345 PAD FAMILY
PAD AREA - 43.39 SQ.CM
PAD VOLUME - 49.49 CU.CM
(FIGURES FOR FULL DEPTH PAD)

ALTERNATIVE PAD - CP2340 (REDUCED AREA)



TORQUE 17.0Nm (12.5lbs ft)
BLEED SCREW TIGHTENING



(9.7 lbs ft).
TIGHTENED TO A TORQUE OF 13.1Nm
PAD RETAINING BOLTS SHOULD BE

ALL HYDRAULIC THREADS M10X1.0

CALIPER IDENTIFICATION CHART		
RHT	RIGHT HAND TRAILING	BEHIND AXLE
LHT	LEFT HAND TRAILING	BEHIND AXLE
RHL	RIGHT HAND LEADING	IN FRONT OF AXLE
LHL	LEFT HAND LEADING	IN FRONT OF AXLE

NOTE

GENERAL DESCRIPTION.
THIS IS A 4 PISTON EQUAL BORE CALIPER WITH BORES POSITIONED TO CREATE A DIFFERENTIAL LOADING EFFECT TO COMBAT PAD TAPER. CARE SHOULD BE TAKEN TO 'HAND' CALIPERS CORRECTLY, REFER TO DISC ROTATION ARROW ON CALIPER. THIS CALIPER IS DESIGNED TO OPERATE ON A SOLID OR VENTILATED IRON DISC OF UPTO Ø295 (11.60"). ALL CALIPERS ARE FITTED WITH STAINLESS STEEL FLUID BRIDGE PIPES, PAD ABUTMENT WEAR PLATES AND CONVENTIONAL TYPE PISTON SEALS WITH WIPER SEALS.

TYPICAL APPLICATIONS- FAST ROAD/LOW LEVEL COMP.
PISTON DIAMETER 4X38.10 (1.50") LEADING
TOTAL PISTON AREA 45.60 SQ.CM
BODY MATERIAL ALUMINIUM ALLOY
ALL HYDRAULIC THREADS M10X1.0
PISTON MATERIAL ALUMINIUM ALLOY (STANDARD)
STAINLESS STEEL
TITANIUM ALLOY FOR HIGH TEMPERATURE APPLICATIONS.

TYPICAL APPLICATIONS-
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. (DISC DIAMETER/2) - 'PL' DIMENSION

RADIUS 'N' RADIUS OF DISC PATHWAY
EFFECTIVE RAD. 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.

- SELECT ASSEMBLY FROM TABLE.
- 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 (1.8N) SPRINGS,
'7' 7lb (3.1N) SPRINGS FITTED LOAD.
3rd CHARACTER - 'M' DENOTES ALTERNATIVE PISTON MATERIAL ('M' FOR TITANIUM).

SHOULD PISTONS BE INADVERTENTLY 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 CP3345. PADS SHOULD BE ORDERED SEPARATELY. A WIDE VARIETY OF MATERIALS ARE AVAILABLE:- PLEASE CONTACT A.P. RACING FOR ADVICE.

EXAMPLE PART NUMBER - CP5100-80354

CALIPER ASSY FAMILY No	STROKE No				DISC DIAØ	DISC WIDTH DIM 'E'	DIMN 'C'	DIMN 'H'	DIMN 'D'	DIMN 'PL'	RAD 'N'	REMARKS & APPLICATIONS
	RHT	LH	RH	LH								
CP5100	806	807	808	809	295.0	25.40	47.40	10.15	130.05	53.05	150.0	-
CP5100	802	803	804	805	295.0	22.90	45.90	10.15	130.05	53.05	150.0	-
CP5100	810	811	812	813	295.0	13.00	45.90	10.15	130.05	53.05	150.0	-

RADIAL PROFILE CHART.

	DISC Ø	EFF RAD	RAD 1	RAD 2	RAD 3	RAD 4	W 1	W 2	W 3	MATERIAL
CP5100-806/807/808/809	Ø295.0	125.15	96.70	100.70	151.50	166.30	69.30	71.80	48.90	MATERIAL SPECIFICATION(S)
CP5100-802/803/804/805	Ø295.0	125.15	96.70	100.70	151.50	166.30	67.75	70.20	47.30	TREATMENT
CP5100-810/811/812/813	Ø295.0	125.15	96.70	100.70	151.50	166.30	63.70	66.20	43.20	DRAWN Jon Simmonds CHECKED
	Ø280.0	117.85	89.50	91.40	144.30	161.00	63.70	66.20	43.20	RE-DRAWN CHECKED

TEST

UNLESS OTHERWISE STATED:
DIMENSIONAL TOLERANCES ±0.25
ANGULAR TOLERANCES ±0°30'

MAX SURFACE FINISH:
BY ANY METHOD ON MACHINED SURFACES WITHOUT MATERIAL REMOVAL
✓ = μm (Ra)
✓ = μm (Rz)
✓ = μm (Rt)

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

TITLE

SCALE FULL

SHEET NO. TOTAL 1 OF 1

TITLE 4xØ1.50" RADIAL MOUNTING OPEN BACK CALIPER INSTALLATION

PART NO. CP5100-1

GROUP PART NO.

ISSUE NO.	DATE & NO.	ALTERATIONS PARTICULARS	CHK'D
1	06/11/94 B0000735	FIRST ISSUE	
2	14/04/95 RAC05160	CALIPER PROFILE REVISED.	JS
3	14/09/95 RAC05385	CALIPER PROFILE MODIFIED TO SUIT LARGER Ø295.0 DISC.	JS
4	27/01/98	CP5100-6/7/8/9 ADDED.	RB
5	07/07/98	BLEED SCREW TORQUE WAS 5.5Nm, NOW 17.0Nm	RB
6	07/06/99	DRAWING CHANGED TO SUIT CALIPER CASTING MODS CP5100-36/39 ADDED. REF R0323	JH
7	21/06/99	RATIONALISATION OF RADIAL PROFILES REF R0323	JH
8	04/10/99	RADIAL PROFILE 'W3' RAC08309 CORRECTED.	JH
9	08/06/00	DRAWING CHANGED TO REFLECT NEW CALIPERS.	GD
10	08/12/00	RAC09227 PROFILE TIDIED	GD
11	21/02/02	RAC10317 PROFILE FIGURES CORRECTED	GD