

B1 INSTALLATION DRAWING

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Alterations

Date & No.	Particulars	Zone	Initials
1	24/05/01 B3036		JH
2	04/05/05		JH

FIRST ISSUE

17Nm MAX BLEED SCREW TIGHTENING TORQUE WAS 25Nm AT AMBIENT & 17Nm FOR BODY > 100°C

GENERAL DESCRIPTION.
A FOUR PISTON, DIFFERENTIAL BORE MONOBLOCK CALIPER DESIGNED TO OPERATE ON A VENTILATED IRON DISC OF 328.0 DIA. x 35.56 WIDE (12.91" x 1.4") IN A 381.0 (15") DIA. WHEEL. RADIAL MOUNTS ARE USED TO GIVE POSITION ADJUSTMENT IN 2 PLANES AND TO FACILITATE PAD CHANGES. HIGH TEMPERATURE SEALS ARE FITTED IN THE BORE, ALONG WITH STAINLESS STEEL BRIDGE PIPE AND WEAR PLATES. THE BRIDGE PIPE & BLEED SCREWS HAVE INTEGRAL PROTECTING RIBS, AND THE CALIPER HAS A SMOOTH RADIAL PROFILE TO AID WHEEL LOCATION DURING PIT STOPS. THE CALIPER IS COMPATIBLE WITH FLUID RECIRCULATING SYSTEMS AS STANDARD. THE CALIPER CAN BE ORDERED WITH A BRACKET TO SUIT STANDARD NASCAR UPRIGHT - SEE SHEET 2 FOR DETAILS.

TYPICAL APPLICATION - NASCAR WINSTON CUP HEAVY DUTY SHORT TRACK & ROAD COURSE.

TECHNICAL & INFORMATION
TOTAL PISTON AREA (4): 53.85 cm² [8.35 in²]
PISTON MATERIAL: TITANIUM
BODY MATERIAL: ALUMINIUM ALLOY
BRAKE PADS: CP5850 FAMILY PADS
HYDRAULIC THREADS - 3/8" x 24 UNF.
CALIPER WEIGHT LESS PADS - 3.10kg [6.8lbs]

INSTALLATION INFORMATION
DISC & CALIPER MOUNTING TOLERANCES TO BE SUCH THAT THE DISC IS CENTRAL TO THE CALIPER TO WITHIN ±0.5mm [0.02in].
DISC DIAMETRICAL CLEARANCE SHOULD BE 2.5mm [0.098in] NOM FROM DISC O.D. TO PATHWAY. THE O.D. CLEARANCE CAN BE REDUCED TO 1.8mm [0.07in] MIN FOR SMALL DIA DISCS (280.0mm [11.02in] & LOWER).
BLEED SCREW MAX TIGHTENING TORQUE 17Nm

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 Ø/2) - DIMENSION 'PL'
DIMENSION 'C': OFFSET-DISC CENTRE LINE TO MOUNTING HOLES.
EFFECTIVE RAD: DISTANCE FROM WHEEL CENTRELINE 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

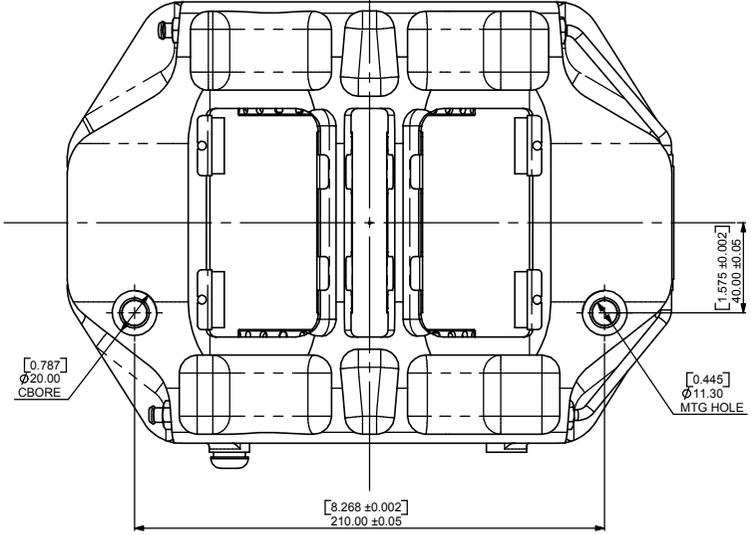
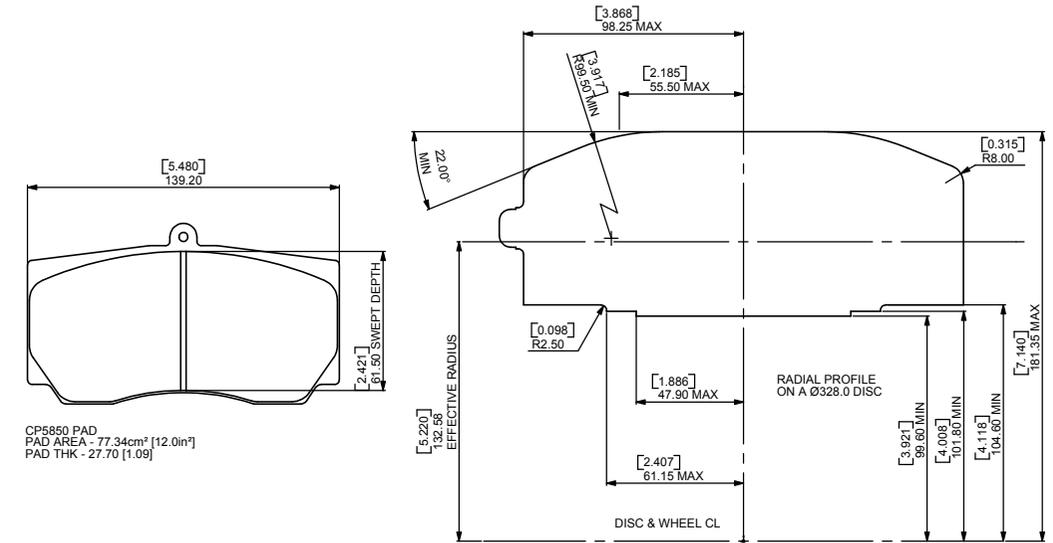
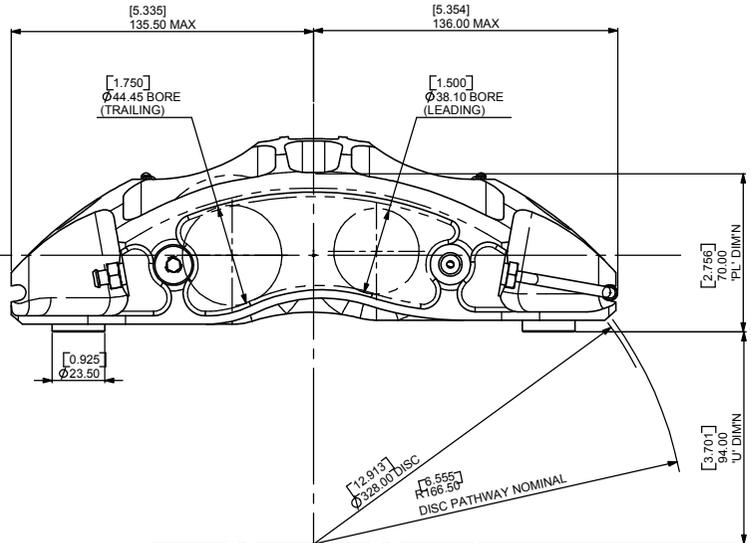
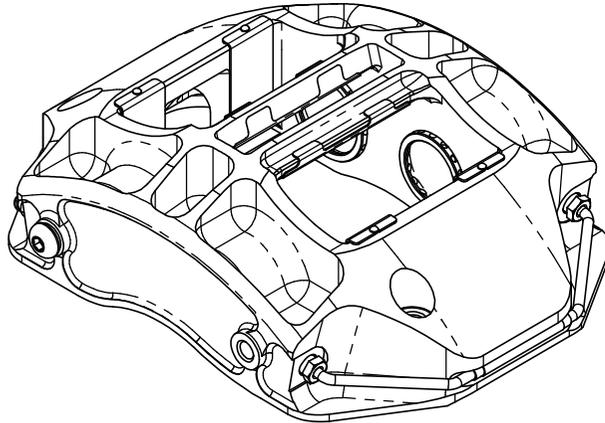
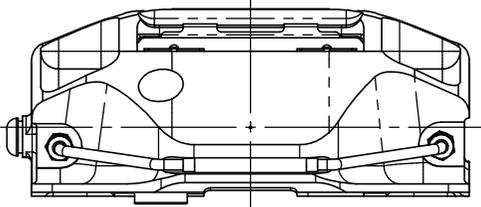
ASSEMBLY NO.	CALIPER HANDING
CP5850-250M	RIGHT HAND TRAILING
CP5850-350M	LEFT HAND TRAILING
CP5850-450M	RIGHT HAND LEADING
CP5850-550M	LEFT HAND LEADING

CALIPER & BRACKET ASSEMBLY NO.

ASSEMBLY NO.	CALIPER HANDING
CP5850-250M-NASCAR	RIGHT HAND TRAILING
CP5850-350M-NASCAR	LEFT HAND TRAILING
CP5850-450M-NASCAR	RIGHT HAND LEADING
CP5850-550M-NASCAR	LEFT HAND LEADING

SEAL KIT PART NO.

CP4518-JL



SCALE 1:1 SHEET 1 OF 2

DRAWN Heritage

APPROVED

DERIVED FROM

TITLE
4 PISTON MONOBLOCK CALIPER INSTALLATION

DRG NO. cp5850-1cd

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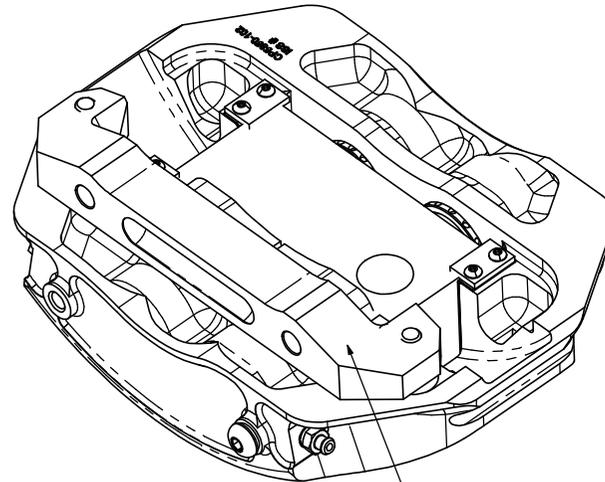
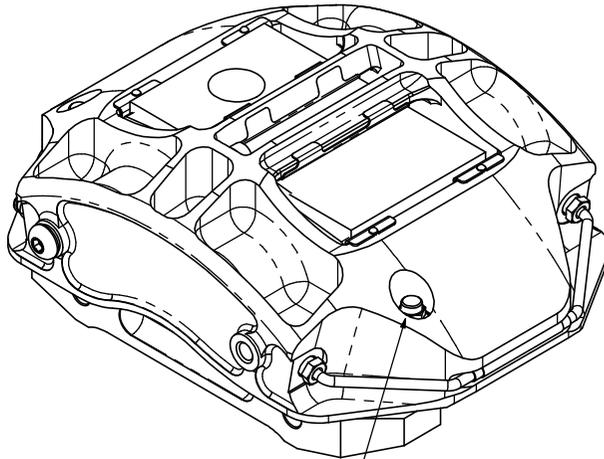
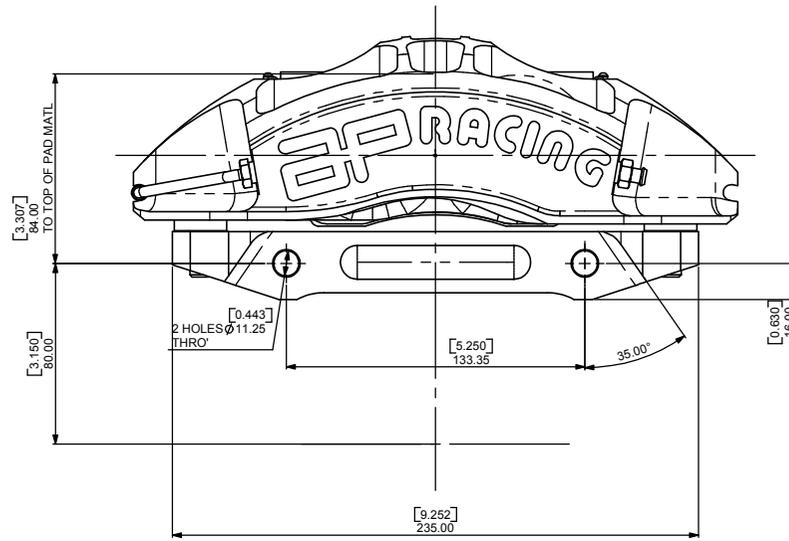
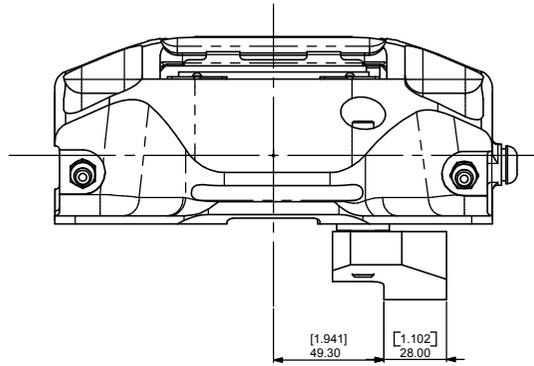
FIRST ANGLE PROJECTION

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3/8" UNF KAYLOCK
TIGHTENING TORQUE
41Nm [50Lbs ft]

ISOMETRIC VIEWS

BRACKET ASSEMBLY - CP5820-7
(BRACKET, STUDS, NUTS AND WASHERS)

Alterations		Zone	Initials
Date & No.	Particulars		
	SEE SHEET 1 FOR CURRENT ISSUE.		

SCALE 1:1	SHEET 2 OF 2
DRAWN	Peritage
APPROVED	
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TITLE	
4 PISTON MONOBLOCK CALIPER INSTALLATION	
DRG NO.	cp5850-1cd