

CALIPER SPECIFICATION	
PISTON AREA	28.25cm ² (PER PAD)
	56.50cm ² (TOTAL)
DISC DIAMETER	390mm - 420mm
DISC WIDTH	40mm
DISC WIDTH MIN (WORN CONDITION)	38mm (DIFFERENTIAL WEAR NOT TO EXCEED 1.00mm SIDE TO SIDE)
DISC ROTATION	ROTATING DISC MUST PASS SMALLEST PISTON FIRST***
MAX WORKING PRESSURE	SEE DATA SHEET P14.387 (AVAILABLE FROM AP RACING TECHNICAL DEPARTMENT)
MAX GVW (GROSS VEHICLE WEIGHT)	
DRY WEIGHT (LESS PADS)	5.52kg (EST)
DRY WEIGHT (INC. PADS)	6.65kg (EST)
PAD RETENTION	2 x FRICTION RETAINED PINS
RECOMMENDED WHEEL CALIPER CLEARANCE	4mm (MIN)
SEAL KIT	CP4525-BBB11
PAD RETAINING PIN KIT	CP7410-150
EVLV COMPLIANCE	ALL MATERIALS AND COATINGS COMPLY WITH END OF LIFE VEHICLES (2000/S/EC)

AVAILABLE PART NUMBERS	
PART NUMBER	DESCRIPTION
CP7410-4A###	RIGHT HAND LEADING (IN FRONT OF AXLE)
CP7410-5A###	LEFT HAND LEADING (IN FRONT OF AXLE)
CP7410DSS...	CP7410-1 NON-HANDED PAD
### = COLOUR CODE \$\$ = PAD SWEEP DEPTH	
FOR AVAILABLE COLOURS AND FURTHER TECHNICAL INFORMATION PLEASE REFER TO THE PRODUCT CATALOGUE, APRACING.COM OR CUSTOMER SERVICES	

6.85 MIN BACKPLATE THICKNESS

7.55 MIN SHIM (IF USED) COMBINED THICKNESS

192.96 ±0.15

125.2

118.8

6.4

3 FRICTION MATERIAL MIN THICKNESS (WORN)

13.65 ANTI-RATTLE CLIP HEIGHT

18.3 MAX PAD THICKNESS

TO FRICTION MATERIAL

3 (MIN) RECOMMENDED MOUNTING BELL TO PAD BACKPLATE CLEARANCE

DISC MATERIAL

CAST IRON

89

160

CP7410D89...

CARBON CERAMIC

98

171

CP7410D98...

DISC Ø

DIRECTION OF DISC ROTATION***

VERTICAL LEADING MOUNTING POSITION

DISC WIDTH ENSURE DISC IS CLAMPED TO A CENTRE PATHWAY

2x PAD RETAINING PINS INCLUDED (NOT FITTED)

PART NUMBER

DIRECTION OF DISC ROTATION

DMC

SERIAL NUMBER

ANTI-COUNTERFEIT LABEL

PAD PINS MUST BE REPLACED WHEN REPLACING PADS

17.3 MIN

M10x1 0-6H THRO' Ø

(11.5)

FEED PORT DETAIL (2-1)

TYPICAL TIGHTENING TORQUE:

FITTING WITH 1 ONE COPPER GASKET: - 13Nm +45

FITTING WITH TWO COPPER GASKETS - 13Nm +90*

RESULTING MAX TORQUE MUST NOT EXCEED 30Nm

172.98

19.98

SHIM RIVET LOCATIONS

IF A SHIM IS TO BE USED, IT MUST BE MECHANICALLY ATTACHED TO THE PAD BACKPLATE.

2 OFF HATCHED MOUNTING SURFACES

Ø26 LEADING PISTON SIZE 'B' (REF)

Ø26 TRAILING PISTON SIZE 'I' (REF)

Ø26 LEADING PISTON SIZE 'B' (REF)

Ø26 TRAILING PISTON SIZE 'I' (REF)

55.2 MOUNTING HOLE TO DISC Ø

107.5 ±1.5 MOUNTING BOSS FACE TO TOP OF PAD

107.5 MOUNTING BOSS FACE TO DISC & WHEEL Ø (ON Ø420 DISC)

2.5 RECOMMENDED DISC PATHWAY CLEARANCE

DISC Ø (SEE TABLE)

R159.75 EFFECTIVE RADIUS (ON Ø420 DISC)

DISC & WHEEL Ø

240 MOUNTING HOLE CENTRES

Ø32 MINIMUM SPOTFACE

BLEEDSCREW TIGHTENING TORQUE = 17-20Nm

PAD RETAINING PIN

PAD RETAINING PIN

ANTI-RATTLE CLIP FITMENT ON PADS

CAUTION - THE EXTERNAL PIPE IS A NON-SERVICEABLE ITEM AND MUST NOT BE TAMPERED WITH UNDER ANY CIRCUMSTANCES.

DISC Ø

CP7410-108

XOT ##

WYY

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ISSUE HISTORY

ISSUE	DATE & REV NO	FIRST ISSUE	DETAILS	CRD	INITIALS
1	07/04/2025	WF-002116_16		#	JAB
2	11/04/2025	WF-002116_18	DISC DIAMETERS UPDATED. WAS 390 NOW 390-420. ON Ø390 DISC REMOVED FROM SWEEP DEPTH NOTE. 'I' DIMENSION WAS ON Ø410 DISC NOW ON Ø390.	R2	JAB
3	18/04/2025	WF-002116_20	DRAWING REDRAWN.	#	JAB
4	23/04/2025	WF-002116_22	SHEET 1 172.88 DIM REALIGNED TO CORRECT LOCATION SHEET 2 77.05 MIN DISC APERTURE DIM ADDED.	D6	JAB
5	24/06/2025	WF-002116_29	SHEET 1 PAD 'SS' DIMENSION TABLE ADDED PAD PART NUMBER UPDATED TO INCLUDE \$\$ CALIPER LASER ETCH LAYOUT REVISED DRAWING TITLE REVISED TO REMOVE 'CAST IRON SETUP'.	A1	JAB

ALL DIMENSIONS IN MILLIMETRES: DIMENSIONAL TOLERANCE = ± 0.25 ANGULAR TOLERANCE = ± 0.50°

SCALE 1:1 SHEET 1 OF 2

DRAWN J. BUSWELL

APPROVED J. HALEY

DERIVED FROM

PROJECT NO. WF-002116

CLASS 3

SECTOR ROAD BRAKE

TITLE LEADING FORGED 10 HPK CALIPER

DRAWING NUMBER CP7410-2CD



DRAWING NUMBER	CP7410-2CD
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