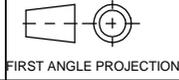


# A2 INSTALLATION DRAWING

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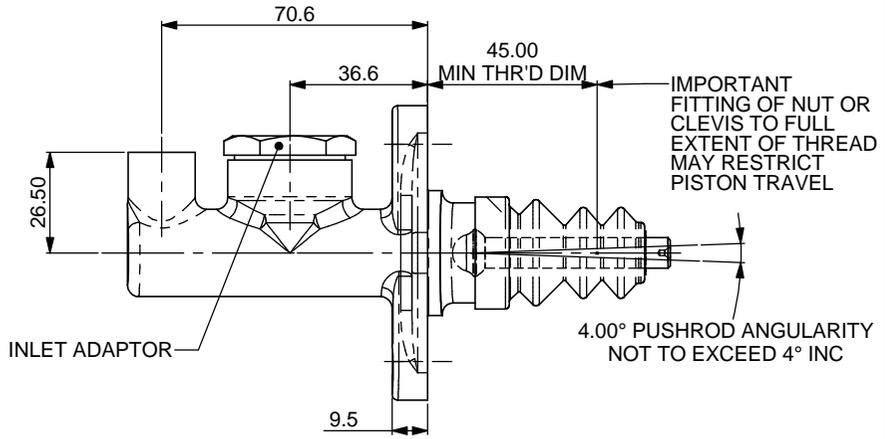
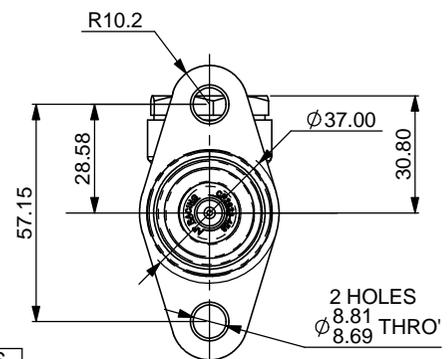
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AVAILABLE SIZES OF CYLINDER	
PART NUMBER	BORE SIZE
<b>SMALL BORE CYLINDERS</b>	
CP5623-88	Ø14
CP5623-89	Ø15
CP5623-90	Ø15.9 (5/8")
CP5623-905	Ø16.8
CP5623-91	Ø17.8 (0.70")
CP5623-92	Ø19.1 (3/4")
<b>LARGE BORE CYLINDERS</b>	
CP5623-93	Ø20.6
CP5623-94	Ø22.2
CP5623-95	Ø23.8 (15/16")
CP5623-96	Ø25.4 (1.0")

**GENERAL DESCRIPTION:**  
LIGHT WEIGHT MASTER CYLINDER FOR USE IN ALL CAR APPLICATIONS. CP5623 MASTER CYLINDER IS SUPPLIED WITH M12 THREADED INLET FOR ALTERNATIVE INLETS & RESERVOIR OPTIONS SEE SHEET 2.

**WEIGHT**.....TBA (LB)  
**FULL STROKE**.....25.4 (1.0")  
**TRAVEL TO CUT-OFF**  
SHORT.....0.68 TO 1.09 (0.027" TO 0.043")

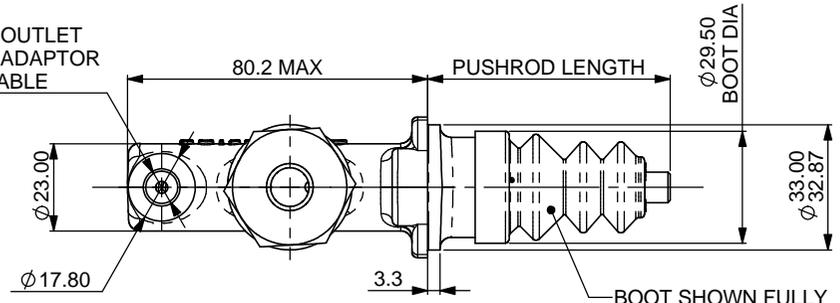
**HYDRAULIC THREADS**.....M12 x 1.00 INLET  
M10 x 1.00 OUTLET

**BODY MATERIAL**.....ALUMINIUM ALLOY  
**TYPICAL APPLICATIONS**.....FOR USE IN ALL CARS

**INSTALLATION DIMENSIONS FOR 20.6, 22.2, 15/16" & 1.0" BORE MASTER CYLINDERS DIFFER FROM OTHER SIZES DUE TO LARGER BODY. PARTICULAR NOTE SHOULD BE TAKEN OF THE DIFFERENT DIMENSION FROM THE MOUNTING FLANGE TO THE PUSHROD.**

**FOR REPAIR KITS ADD RK TO BASIC CP2623 EQUIVALENT PART NUMBER, E.G. CP5623-91 USES CP2623-91RK**

M10 x 1.0 OUTLET AEROQUIP ADAPTOR AVAILABLE

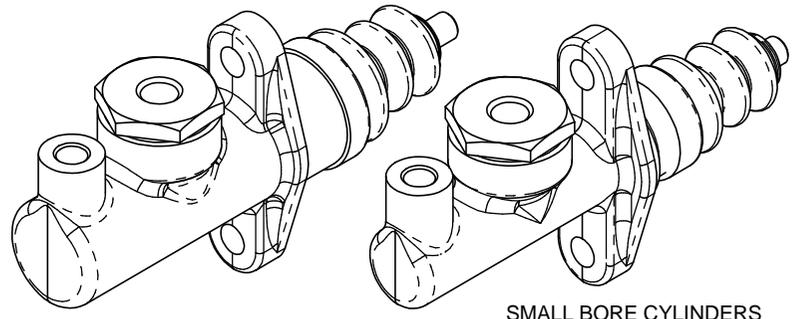
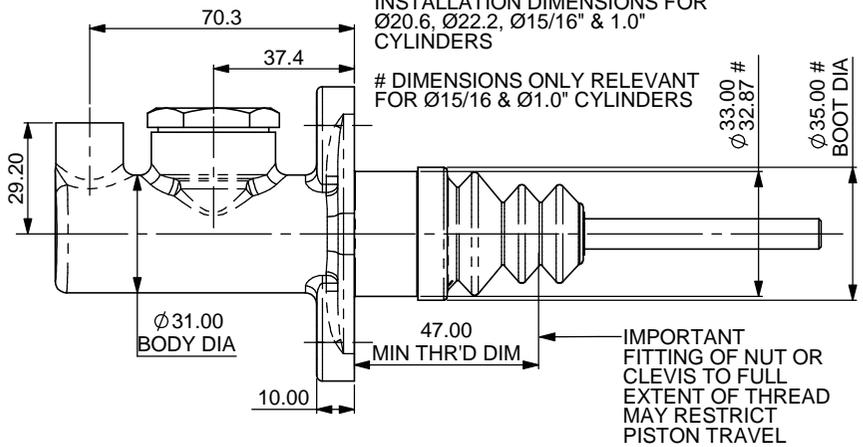


BOOT SHOWN FULLY EXTENDED, ADJUST TO YOUR LIKING

**LARGE BORE CYLINDERS**  
Ø20.6, Ø22.2, Ø15/16" & 1.0"

**INSTALLATION DIMENSIONS FOR**  
Ø20.6, Ø22.2, Ø15/16" & 1.0" CYLINDERS

# DIMENSIONS ONLY RELEVANT FOR Ø15/16" & Ø1.0" CYLINDERS



**SMALL BORE CYLINDERS**  
Ø14, Ø15, Ø5/8", Ø16.8, Ø0.7", Ø3/4"

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	27/05/13 B6785	FIRST ISSUE		SAT
2	25/02/15 B7242	BOOT DIA'S Ø25.50 & Ø35.00 ADDED REPAIR KIT NOTE ADDED DRAWING NUMBER CP5623-1CD WAS CP5623-10CD.	10D 5B 3C	SAT

SCALE 1:1 SHEET 1 OF 2

DRAWN Steve Thomas

APPROVED

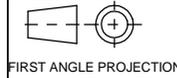
DERIVED FROM

**TITLE**  
EXTRA SHORT  
MASTER CYLINDER

DRG NO. CP5623-1CD

# A2 INSTALLATION DRAWING

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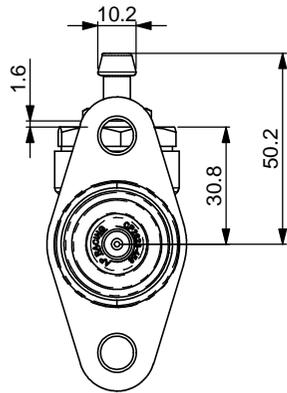


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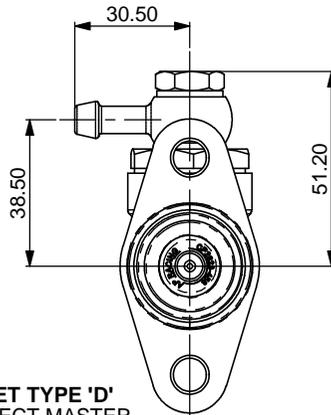
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## ALTERNATIVE INLET OPTIONS



**INLET TYPE 'A'**  
SELECT MASTER CYLINDER WITH INLET TYPE 'B', PLUS INLET ADAPTOR KIT PART NUMBER CP4623-2



**INLET TYPE 'D'**  
SELECT MASTER CYLINDER WITH INLET TYPE 'B', PLUS INLET ADAPTOR KIT PART NUMBER CP4623-6

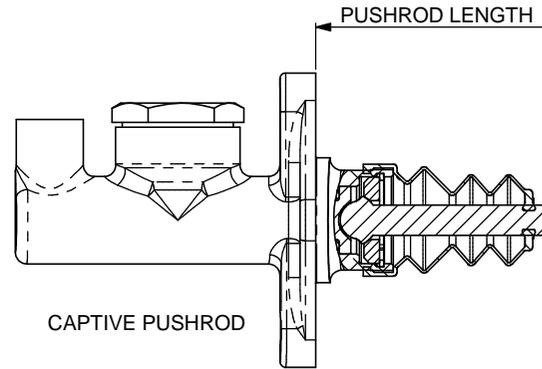
**ORDERING:**  
WHEN ORDERING PLEASE STATE PUSHROD TYPE AND LENGTH REQUIRED AND ADD E IF EXTRA SHORT CUT-OFF IS REQUIRED. ALSO SPECIFY WHICH TYPE OF INLET IS REQUIRED.  
e.g. CP5623-90PRT115E INLET TYPE 'A'.  
AP RACING TECHNICAL SECTION WILL BE PLEASED TO ADVISE ON THE MOST SUITABLE EQUIPMENT FOR ANY APPLICATION.

**INLET TYPE 'C'**  
SELECT MASTER CYLINDER WITH INLET TYPE 'B', PLUS RESERVOIR FROM PART NUMBER CHART BELOW.

PLEASE NOTE:  
TO FIT CP4709 TYPE RESERVOIRS THE INLET ADAPTOR AND COPPER GASKET ARE TO BE REMOVED. FITTING INSTRUCTIONS SUPPLIED WITH RESERVOIR.

RESERVOIR PART No.	HEIGHT 'H' mm (in)	DIA 'E' mm (in)	VOLUME cm <sup>3</sup> (in <sup>3</sup> )
CP4709-10	194 (7.64")	51 (2.0")	183 (11.1)
CP4709-11	144 (5.67")	51 (2.0")	123 (7.5)
CP4709-12	104 (4.09")	51 (2.0")	75 (4.5)
CP2293-163	167 (6.57")	89 (3.5")	340 (20.7)

OTHER RESERVOIR OPTIONS AVAILABLE, SEE AP RACING HYDRAULIC ACTUATION CATALOGUE



CAPTIVE PUSHROD

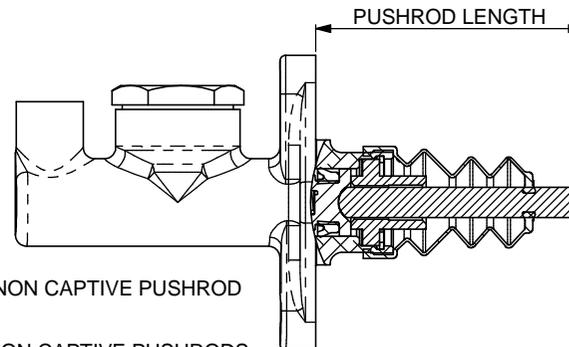
PUSHRODS ARE AVAILABLE IN THE FOLLOWING LENGTHS: 115mm (4.53") AND 160mm (6.3"). NON-STANDARD LENGTHS AVAILABLE ON REQUEST.

CAPTIVE PUSHROD TYPES:  
PRT - PUSH ROD THREADED 5/16" UNF  
PRM - PUSH ROD THREADED M8 x 1.25

PUSH ROD LENGTHS ARE MEASURED FROM THE MOUNTING FLANGE.

IMPORTANT NOTE:  
CP5623 MASTER CYLINDER IS INDIVIDUALLY SHIMMED DURING ASSEMBLY TO MINIMISE FREE PLAY. THEREFORE PUSH RODS SHOULD NOT BE SWITCHED BETWEEN INDIVIDUAL MASTER CYLINDER ASSEMBLIES.

PUSHROD EXTENTIONS THAT GIVE A TOTAL LENGTH OF OVER 200mm ARE NOT RECOMMENDED. IT IS THE CUSTOMERS RESPONSIBILITY TO CHECK SUITABILITY OF PUSHROD AND EXTENTION PIECES TO TAKE APPLIED LOADS.



NON CAPTIVE PUSHROD

NON CAPTIVE PUSHRODS:  
CP5623 MASTER CYLINDER IS AVAILABLE WITH NON CAPTIVE PUSHRODS. THIS ENABLES THE REMOVAL OF THE MASTER CYLINDER WITHOUT NEED TO REMOVE THE PUSHROD FROM THE BRAKE PEDAL OR BALANCE BAR ASSEMBLY. PUSH RODS ARE AVAILABLE IN LENGTHS EQUIVALENT TO THOSE SHOWN ABOVE.  
PUSHROD TYPES:  
NCT - NON CAPTIVE PUSHROD THREADED 5/16" UNF  
NCM - NON CAPTIVE PUSHROD THREADED M8 x 1.25

Issue No.	Date & No.	Alterations Particulars	Zone	Initials
		SEE SHEET 1 FOR DETAILS		

SCALE 1:1	SHEET 2 OF 2
DRAWN	Steve Thomas
APPROVED	
DERIVED FROM	
TITLE EXTRA SHORT MASTER CYLINDER	
DRG NO.	CP5623-1CD