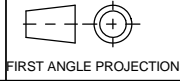


# A2 INSTALLATION DRAWING

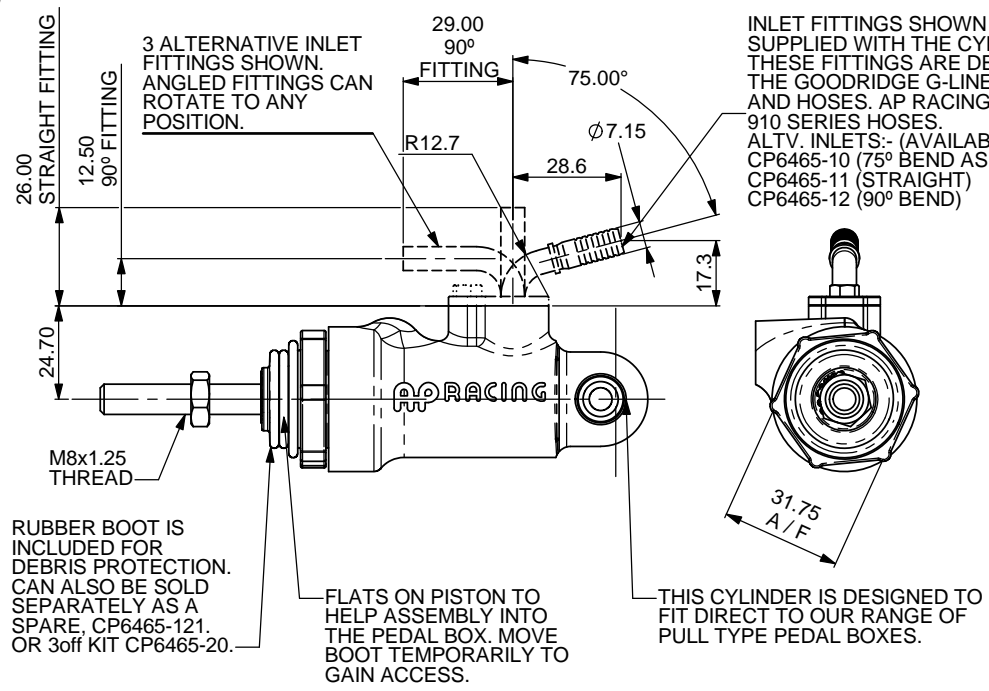
If this document is printed in hardcopy, it is for information use only and therefore is not subject to updating controls. Always refer to viewer for latest issue.



THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD.

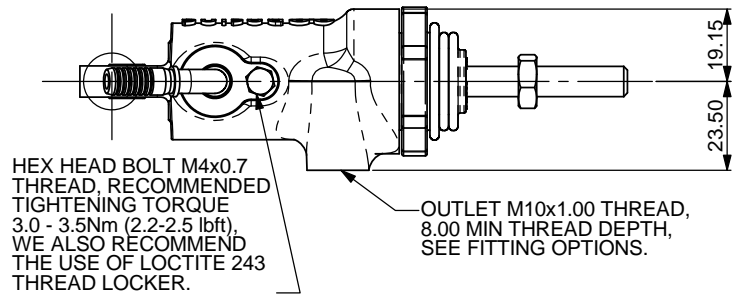
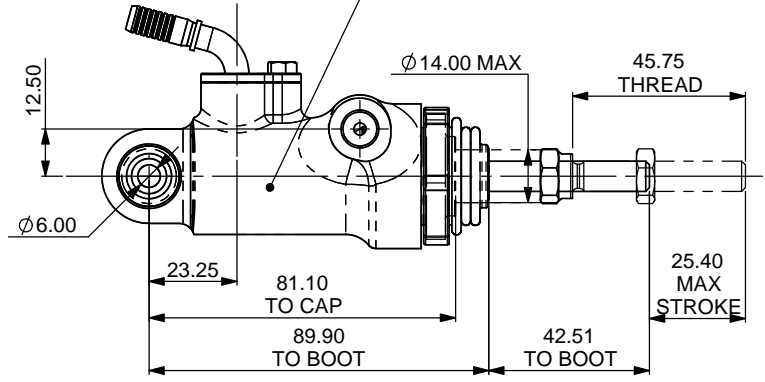


**AP Racing**  
 Wheler Road  
 Coventry  
 CV3 4LB  
 Tel: +44 024 7663 9595  
 Fax: +44 024 7663 9559  
 e-mail: sales@ap racing.co.uk  
 Web site: http://www.ap racing.com



INLET FITTINGS SHOWN --- ARE NOT SUPPLIED WITH THE CYLINDER. THESE FITTINGS ARE DESIGNED TO SUIT THE GOODRIDGE G-LINE RANGE OF FITTINGS AND HOSES. AP RACING RECOMMENDS THE 910 SERIES HOSES. ALT.V. INLETS:- (AVAILABLE FROM AP RACING) CP6465-10 (75° BEND AS SHOWN) CP6465-11 (STRAIGHT) CP6465-12 (90° BEND)

EACH PART WILL BE LASER ETCHED WITH THE SIZE, PART NO. AND A SERIAL NO.



## GENERAL DESCRIPTION

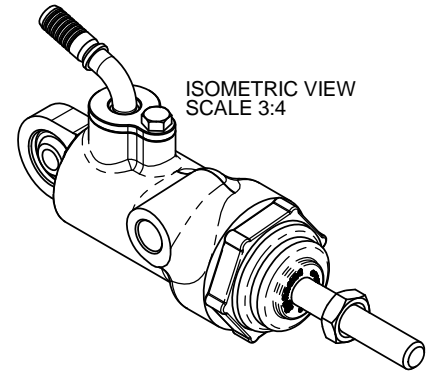
THIS PULL TYPE MASTER CYLINDER HAS BEEN DESIGNED TO BE MORE EFFICIENT THAN NORMAL MASTER CYLINDERS. THIS IS DUE TO THE COMPACT NATURE. THERE IS LESS CHANCE OF UNWANTED SIDE LOADING. DESIGNED INTO THE BACK OF THE CYLINDER IS A SPHERICAL BEARING. THE SPECIAL INLET FITTING AND 90Deg OUTLET ALLOWS THE CYLINDER TO SIT LOW BUT WITHOUT TRAPPING AIR. OUR SELECTION OF RECOMMEND OUTLETS ARE SHOWN ON SHEET 2.  
 APPROX. WEIGHTS RANGE FROM 230grams TO 270grams.

PART NUMBER	CORRECTED BORE SIZES FOR CALCULATIONS	REFERENCE DIMS		
		BORE Ø (mm)	PISTON Ø (mm)	Area (mm²)
CP6468-149PRME	14,9 (0.587")	19.05	12.00	171.93
CP6468-162PRME	16,2 (0.638")	19.05	10.00	206.48
CP6468-173PRME	17,3 (0.681")	22.23	14.00	234.01
CP6468-188PRME	18,8 (0.740")	22.23	12.00	274.85
CP6468-202PRME	20,2 (0.795")	22.23	9.25	320.75

NOTE: OPTIMUM PULL TYPE CYLINDER DESIGN MEANS THAT TO USE STANDARDS SEAL SIZES AND BORE SIZES. THERE WOULD BE A SLIGHT VARIATION FROM STANDARD CYLINDERS. THE SIZES WERE ALSO ADJUSTED TO GIVE EQUAL STEPS BETWEEN THE DIFFERENT SIZES.

THE TABLE SHOWS THE MASTER CYLINDER PART NUMBERS AND A BORE SIZE THAT WOULD REFLECT A PUSH TYPE CYLINDER. THE CORRECTED BORE SIZE. THE PART NUMBER ALSO REFLECTS THE CYLINDER SIZE.

FOR SEAL REPAIR KIT INFORMATION, SEE SHEET 2.

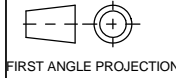


Issue No.	Date & No.	Alterations		Zone	Initials
		Particulars			
1	30/09/14 B7058	FIRST ISSUE		#	CH
2	12/05/17 RAC22233	BEARING I.D ADDED		7F	CH
3	10/09/19 B8078	PISTON REFERENCE DIMENSIONS UPDATED TO 12.00 WAS 11.90		3C	SCY

SCALE 1:1	SHEET 1 OF 2
DRAWN	Connor Homeyard
APPROVED	
DERIVED FROM	
TITLE PULL TYPE MASTER CYLINDER WITH SPHERICAL BEARING	
DRG NO.	CP6468-1CD

# A2 INSTALLATION DRAWING

If this document is printed in hardcopy, it is for information use only and therefore is not subject to updating controls. Always refer to viewer for latest issue.



THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD.

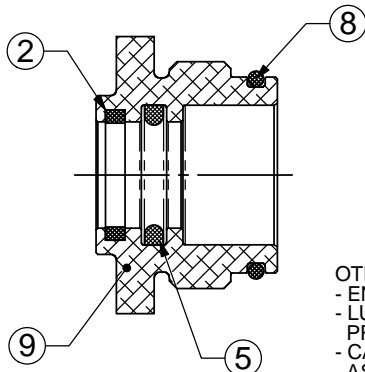


AP Racing  
Wheler Road  
Coventry  
CV3 4LB

Tel: +44 024 7663 9595  
Fax: +44 024 7663 9559  
e-mail: sales@apracing.co.uk  
Web site: http://www.apracing.com

© AP Racing Ltd. 2005

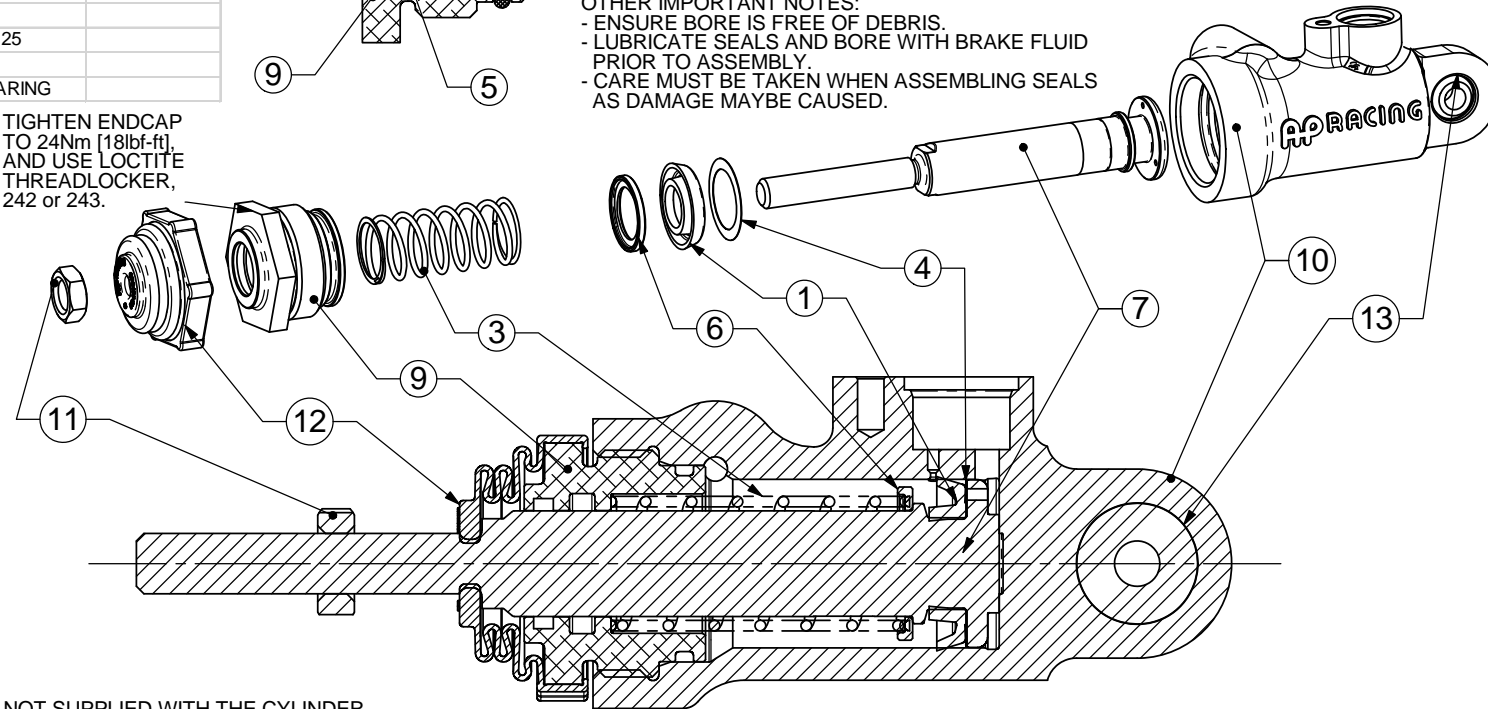
REF	DESCRIPTION	INCLUDED WITH REPAIR KIT
1	PRIMARY CUP SEAL	Yes
2	SLYDRING BEARING	Yes
3	M/CYL RETURN SPRING	
4	PISTON WASHER	Yes
5	D-RING PISTON SEAL	Yes
6	PISTON STOP	
7	PISTON	
8	O-RING CAP SEAL	Yes
9	ENDCAP	
10	BODY	
11	LOCKNUT M8x1.25	
12	BOOT	
13	SPHERICAL BEARING	



PART NUMBER	CORRECTED BORE SIZES FOR CALCULATIONS	REFERENCE DIMS			Repair Kits
		BORE Ø (mm)	PISTON Ø (mm)	Area (mm²)	
CP6468-149PRME	14,9 (0.587")	19.05	12.00	171.93	CP6465-149RK
CP6468-162PRME	16,2 (0.638")	19.05	10.00	206.48	CP6465-162RK
CP6468-173PRME	17,3 (0.681")	22.23	14.00	234.01	CP6465-173RK
CP6468-188PRME	18,8 (0.740")	22.23	12.00	274.85	CP6465-188RK
CP6468-202PRME	20,2 (0.795")	22.23	9.25	320.75	CP6465-202RK

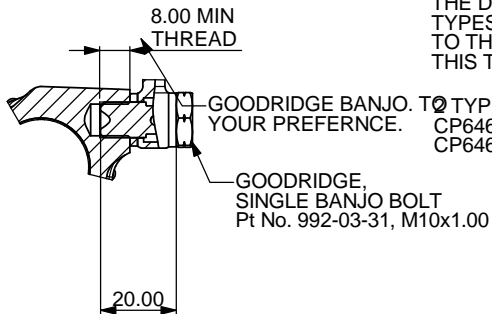
OTHER IMPORTANT NOTES:  
 - ENSURE BORE IS FREE OF DEBRIS.  
 - LUBRICATE SEALS AND BORE WITH BRAKE FLUID PRIOR TO ASSEMBLY.  
 - CARE MUST BE TAKEN WHEN ASSEMBLING SEALS AS DAMAGE MAYBE CAUSED.

TIGHTEN ENDCAP TO 24Nm [18lbf-ft], AND USE LOCTITE THREADLOCKER, 242 or 243.



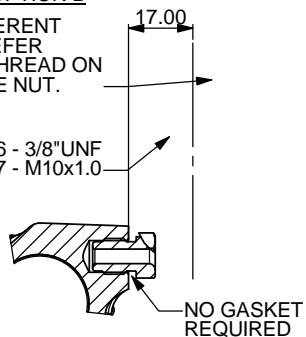
OUTLET FITTINGS NOT SUPPLIED WITH THE CYLINDER. ONLY OPTION B PARTS CAN BE OBTAINED FROM AP RACING.

**OUTLET OPTION A**

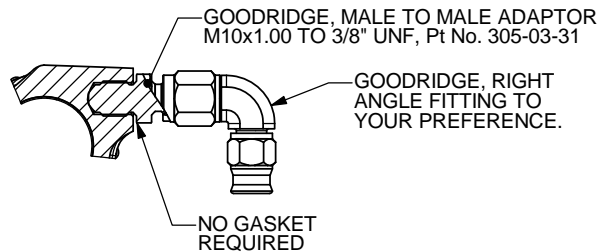


**OUTLET OPTION B**

THE DIFFERENT TYPES REFER TO THE THREAD ON THIS TUBE NUT.



**OUTLET OPTION C**



Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
		SEE SHEET1 FOR ISSUE LEVEL		

SCALE 1:1	SHEET 2 OF 2
DRAWN	Connor Homeyard
APPROVED	
DERIVED FROM	
TITLE PULL TYPE MASTER CYLINDER WITH SPHERICAL BEARING	
DRG NO.	CP6468-1CD