

# A2 INSTALLATION DRAWING

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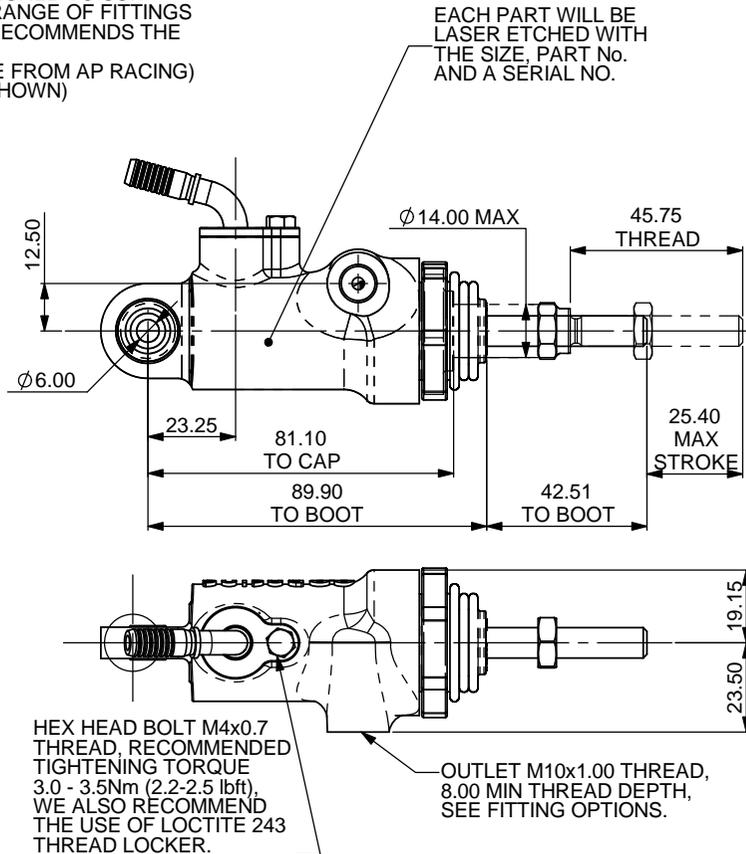
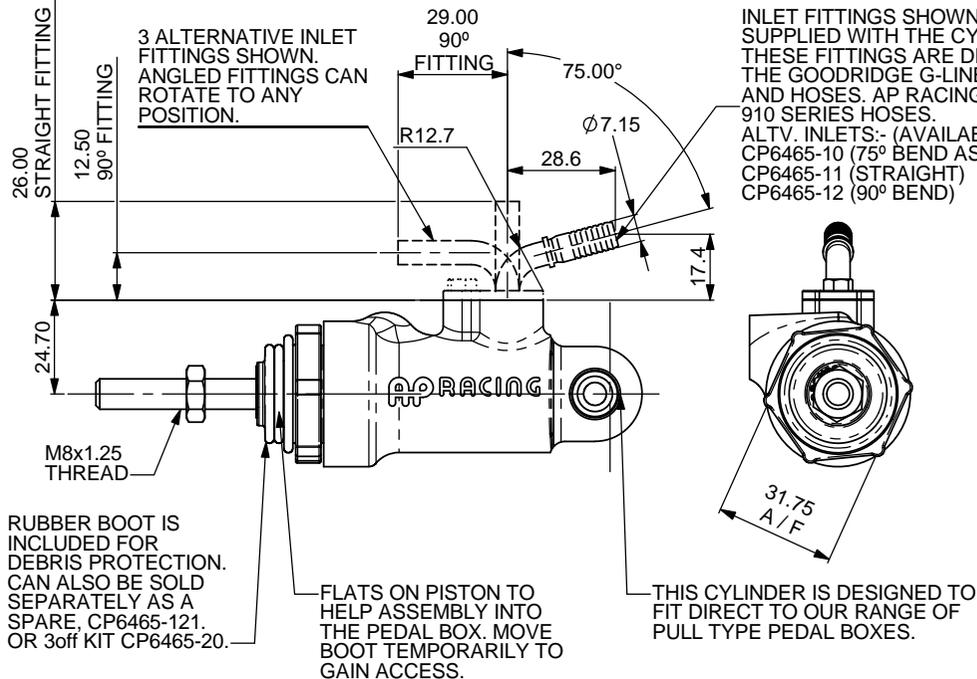


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Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
1	30/09/14 B7058	FIRST ISSUE	#	CH
2	12/05/17 RAC22233	BEARING I.D ADDED	7F	CH



## GENERAL DESCRIPTION

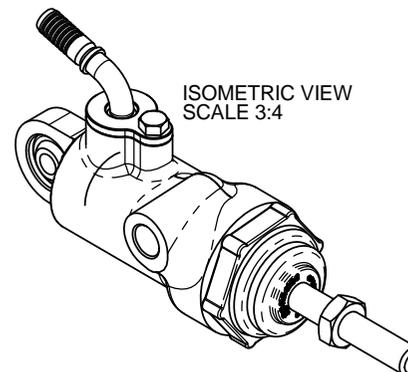
THIS PULL TYPE MASTER CYLINDER HAS BEEN DESIGNED TO BE MORE EFFICIENT THAN NORMAL MASTER CYLINDERS. THIS IS DUE TO THE COMPACT NATURE, THERE IS LESS CHANCE OF UNWANTED SIDE LOADING. DESIGNED INTO THE BACK OF THE CYLINDER IS A SPHERICAL BEARING. THE SPECIAL INLET FITTING AND 90Deg OUTLET ALLOWS THE CYLINDER 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	11.90	173.80
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	11.90	276.73
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.



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

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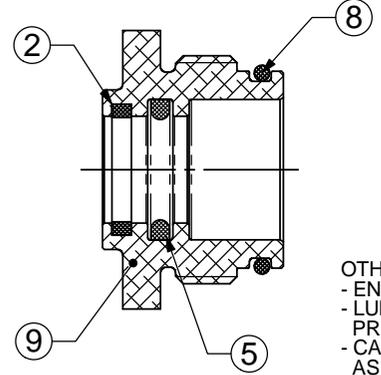


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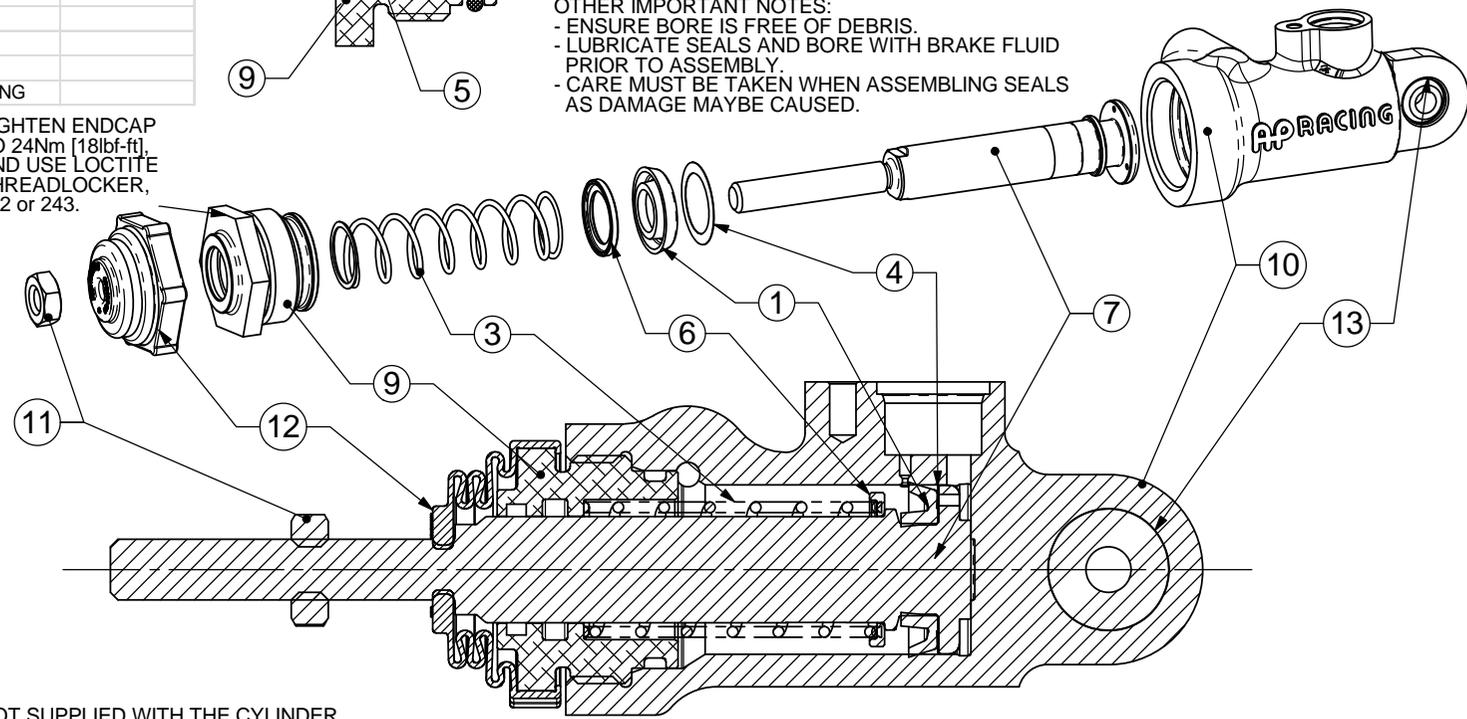
REF	DESCRIPTION	INCLUDED WITH REPAIR KIT
1	PRIMARY CUP SEAL	Yes
2	SLYDRING BEARING	Yes
3	M/CYL RETURN SPRING	
4	PISTON WASHER	Yes
5	D-RING PISTON SEAL	Yes
6	PISTON STOP	
7	PISTON	
8	O-RING CAP SEAL	Yes
9	ENDCAP	
10	BODY	
11	LOCKNUT M8x1.25	
12	BOOT	
13	SPHERICAL BEARING	



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	11.90	173.80	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	11.90	276.73	CP6465-188RK
CP6468-202PRME	20,2 (0.795")	22.23	9.25	320.75	CP6465-202RK

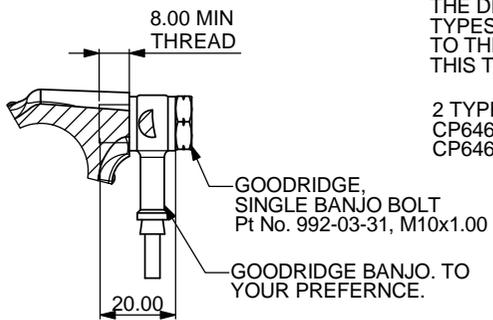
**OTHER IMPORTANT NOTES:**  
 - ENSURE BORE IS FREE OF DEBRIS.  
 - LUBRICATE SEALS AND BORE WITH BRAKE FLUID PRIOR TO ASSEMBLY.  
 - CARE MUST BE TAKEN WHEN ASSEMBLING SEALS AS DAMAGE MAYBE CAUSED.

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

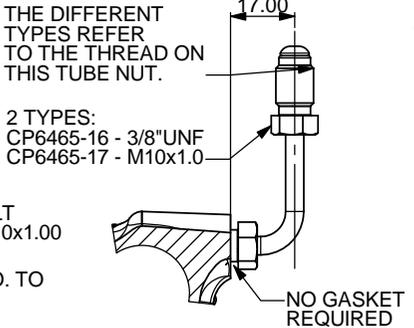


OUTLET FITTINGS NOT SUPPLIED WITH THE CYLINDER. ONLY OPTION B PARTS CAN BE OBTAINED FROM AP RACING.

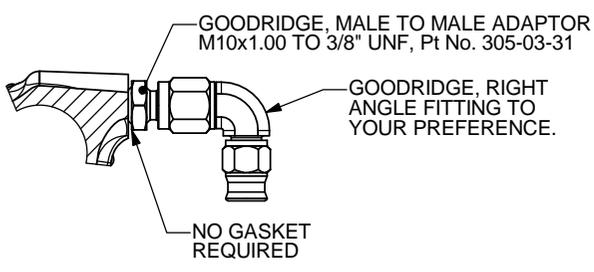
**OUTLET OPTION A**



**OUTLET OPTION B**



**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