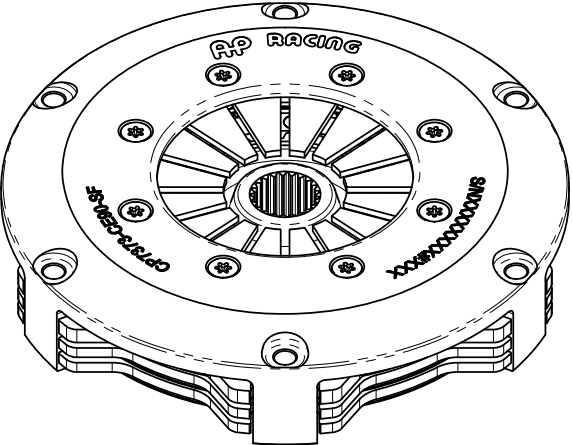


CP7373, Ø184mm (7.25") SINTERED CLUTCH ASSEMBLY



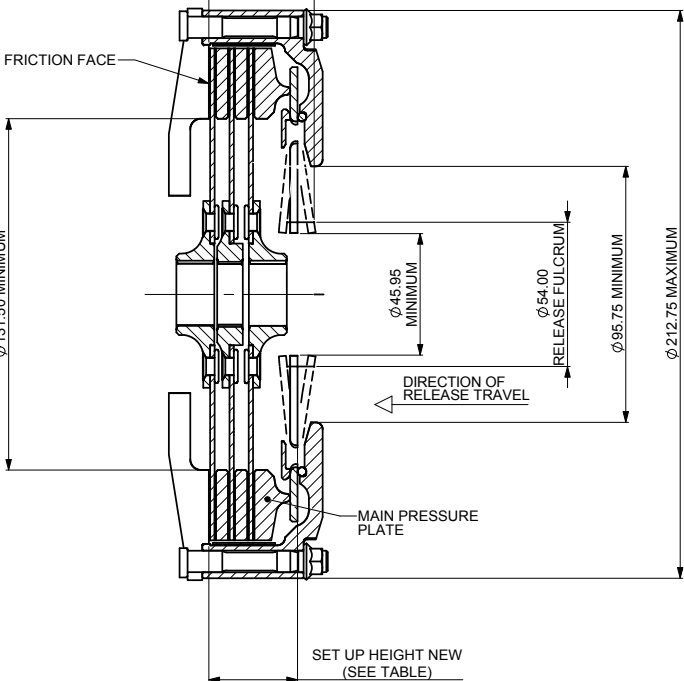
RECOMMENDED RELEASE BEARING :

STEEL CAGED, ROUND NOSED BALL TYPE BEARING TO
BE FREE OF SPRING FINGERS WHEN CLUTCH IS FULLY ENGAGED.

CP3457-2 STANDARD RELEASE BEARING (OUTER RACE ROTATES)
CP3457-6 HIGH SPEED RELEASE BEARING (INNER RACE ROTATES).

RELEASE TRAVEL TO BE LIMITED TO 5.50mm MAXIMUM

SET UP HEIGHT
WORN MAXIMUM
(SEE TABLE)



CP7373 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY					
(Nm)	1272	798	491		
(ft.lb)	938	588	362		
RELEASE LOAD					
Max. Peak New (N)	3500	2400	1600		
Max. Peak Worn (N)	4400	3300	2200		
WEAR IN (See Note)					
	0.75	0.75	0.75		
Set Up Height New					
	36.18	36.97	36.16		
	32.94	33.70	32.90		
Set Up Height Worn - MAX					
	39.39	40.19	39.37		
(Set Up Height is calculated from the flywheel friction face.)					
Release Ratio					
	4.10	4.10	4.10		
Estimated Assembly Mass (Excluding Driven Plates) = 3.34 Kg					
Estimated Assembly Inertia (Excluding Driven Plates) = 0.0218 Kgm ²					
Estimated Driven Plate Inertia - See Sheet 3					

PERFORMANCE SUFFIX	CE	OE	NE			
For Reference						
Diaphragm Spring Rate	CRV	ORA	GRN			
Clutch Ratio	EHR	EHR	EHR			
MATERIAL SUFFIX	DRIVE PLATE MATERIAL	DRIVE PLATE THICKNESS				
90	SINTERED	2.63mm				

FLYWHEEL TYPE		
	SUFFIX	COMMENTS
FLAT FLYWHEEL	FF	N/A
STEPPED FLYWHEEL	SF	FOR INSTALLATION DATA SEE SHEET 2

Sample AP Racing Part No.

CP7373-CE90-SF

WEAR IN	
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,	
DRIVEN PLATE THICKNESS NEW: 2.63mm NOMINAL	
DRIVEN PLATE THICKNESS WORN: 2.38mm MIN	
DRIVEN PLATES - SEE SHEET 3	

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
		FOR ALL ISSUE RECORDS PRE SEE ARCHIVE COPY	13	
5	30/09/14 C4778	DRAWING UPDATED TO CURRENT STANDARD SUH CHANGES CE ASSEMBLY: 36.18 WAS 36.26, 32.94 WAS 32.94, 39.39 WAS 39.78 OE ASSEMBLY: 36.97 WAS 37.01, 33.70 WAS 33.66, 40.19 WAS 40.03 NE ASSEMBLY: 36.16 WAS 36.54, 32.90 WAS 33.23, 39.37 WAS 39.56	#	DCB
6	29/01/16	DRIVEN PLATE PART No.'S 1 5/32" CP2012-171FM5 WAS CP2012-165FM3 29.00 CP2012-199FM3 WAS CP2012-165FM3 AND CP2012-245FM3 WAS CP2012-244FM3	#	JG
7	25/10/18	DRIVE PLATES UPDATED PICTORIALLY TO SHOW REVISED SINTERED DISCS	#	BJP

SCALE 1:1		SHEET 1 OF 3	
DRAWN	DAVID CONSTABLE-BERRY		
APPROVED			
DERIVED FROM	CP7972CD		
TITLE			
Ø184 (7.25") TRIPLE PLATE CLUTCH INSTALLATION			
DRG NO.	CP7373-1CD		

A1

INSTALLATION
DRAWING

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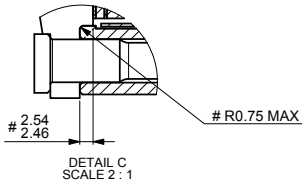
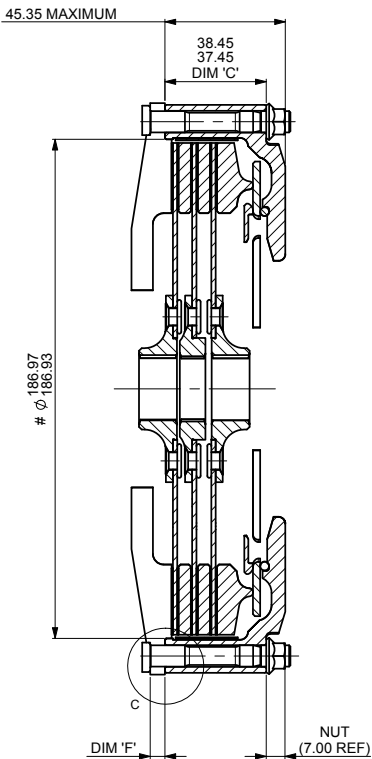
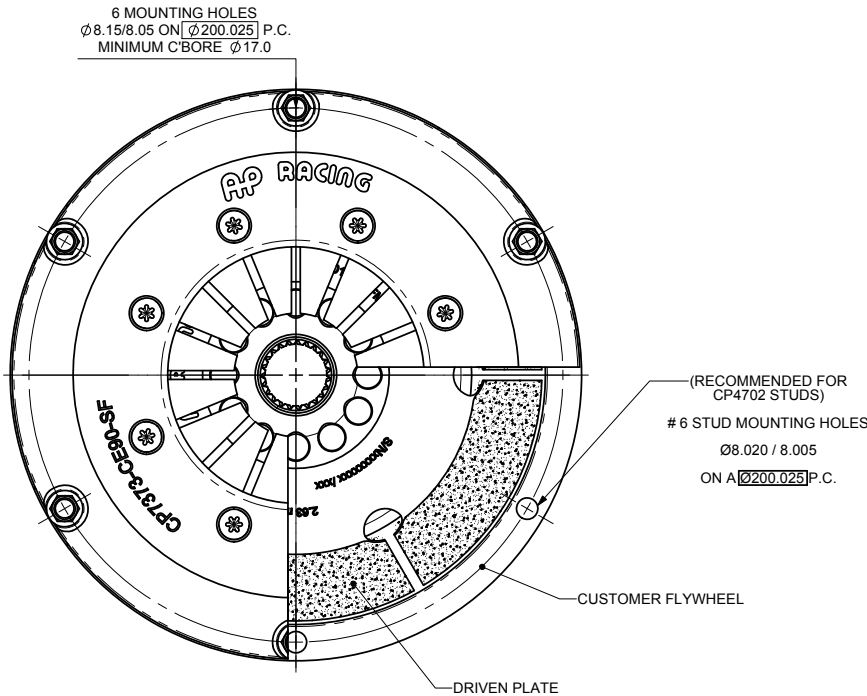
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FLYWHEEL DIMENSIONS

STEPPED FLYWHEEL SUFFIX -SF

FLYWHEEL DIMENSIONS



RECOMMENDED CLUTCH MOUNTING :

(FOR ALL TYPES OF ASSEMBLY)
M8 x 1.0, CP4702 FAMILY STUD AND
K-LOCK NUT.
TIGHTENING TORQUE : 19Nm (14 ft.lb)

LENGTH OF STUD REQUIRED TO BE
CALCULATED THUS :

STUD LENGTH =
DIMENSIONS 'C' + 'F' + NUT

THIS CALCULATED LENGTH TO BE ROUNDED
UP TO THE NEXT AVAILABLE STANDARD STUD
LENGTH.

SUGGESTED FLYWHEEL MATERIAL:

0.35/0.45% CARBON STEEL, BRINELL 200 MIN. OR
SUITABLE MATERIAL FOR HIGH RPM.
FRICTION FACE TO BE FINE TURNED AND GROUND
SMOOTH AND FLAT, RUN OUT AT R77.2, ≤ 0.08
WHEN ASSEMBLED TO CRANKSHAFT.

Issue No.	Date & No.	Alterations	Zone	Initials
		Particulars		
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	-

SCALE 1:1		SHEET 2 OF 3	
DRAWN	DAVID CONSTABLE-BERRY		
APPROVED			
DERIVED FROM	CP7972CD		
TITLE			
Ø184 (7.25") TRIPLE PLATE CLUTCH INSTALLATION			
DRG NO.	CP7373-1CD		

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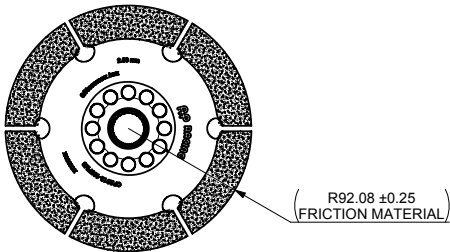
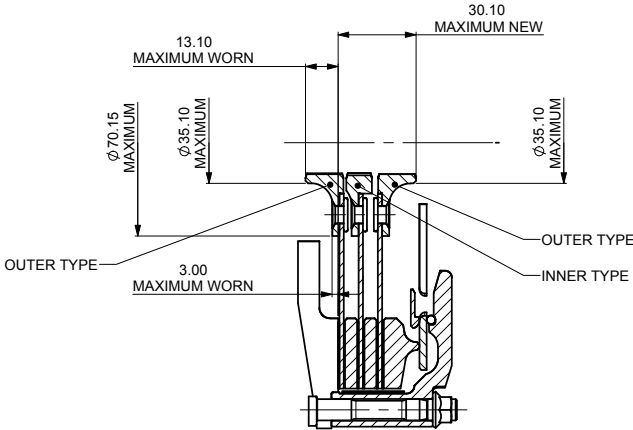
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BACK TO BACK DRIVE PLATES
(CP2012 TYPE)

	CP2012 TYPE
TYPICAL MASS	1.487kg
TYPICAL INERTIA	0.0054 kg/m ²

VALUES ARE FOR 3 DRIVEN PLATES

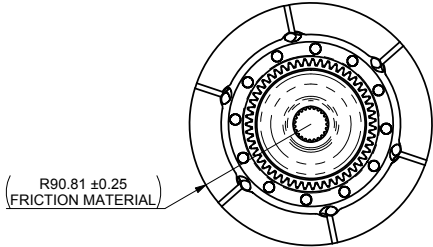
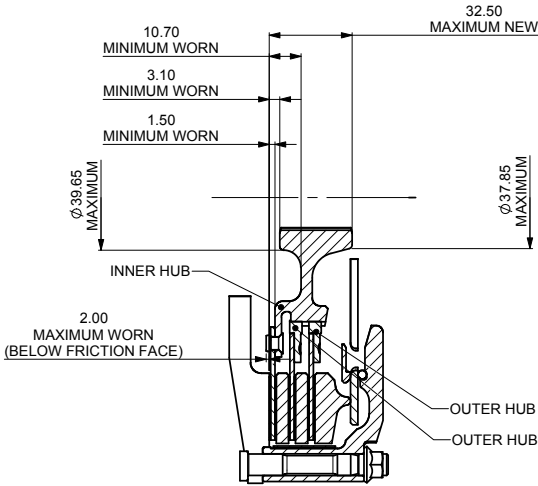


CP2012 TYPE DRIVE PLATE
(1:2 SCALE)

GEAR DRIVE HUB DRIVE PLATES
(CP2822 TYPE)

	CP2822 TYPE
TYPICAL MASS	1.794kg
TYPICAL INERTIA	0.0066kg/m ²

VALUES ARE FOR 3 DRIVEN PLATES



CP2822 TYPE DRIVE PLATE
(1:2 SCALE)

TYPICAL DRIVEN PLATE OPTIONS - CONTACT AP RACING FOR OTHER SPLINE SIZES							
BACK TO BACK TYPE				GEAR TYPE			
PART NUMBER	DETAIL	QUANTITY REQUIRED	SPLINE	PART NUMBER	DETAIL	QUANTITY REQUIRED	SPLINE
CP2012-165FM3	OUTER TYPE	2	1" x 23T	CP2822-23FM3	INNER HUB	1	1" x 23T
CP2012-178FM3	INNER TYPE	1	1" x 23T	CP2822-20FM3	INNER HUB	1	7/8" x 20T
CP2012-166FM3	OUTER TYPE	2	7/8" x 20T	CP2822-41FM3	INNER HUB	1	1 5/32" x 26T
CP2012-179FM3	INNER TYPE	1	7/8" x 20T	CP2822-29FM3	INNER HUB	1	29.0 x 10T
CP2012-171FM3	OUTER TYPE	2	1 5/32" x 26T	OUTER HUBS ALL AS BELOW FOR CP2822 TYPE DRIVE PLATE			
CP2012-173FM3	INNER TYPE	1	1 5/32" x 26T				
CP2012-199FM3	OUTER TYPE	2	29.0 x 10T				
CP2012-245FM3	INNER TYPE	1	29.0 x 10T	CP2822-31FM3	OUTER HUB	2	N/A

Issue No.	Date & No.	Alterations	Zone	Initials
		Particulars		
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	-

SCALE 1:2		SHEET 3 OF 3	
DRAWN	DAVID CONSTABLE-BERRY		
APPROVED			
DERIVED FROM	CP7972CD		
TITLE			
Ø184 (7.25") TRIPLE PLATE CLUTCH INSTALLATION			
DRG NO.	CP7373-1CD		