

# A1 INSTALLATION DRAWING

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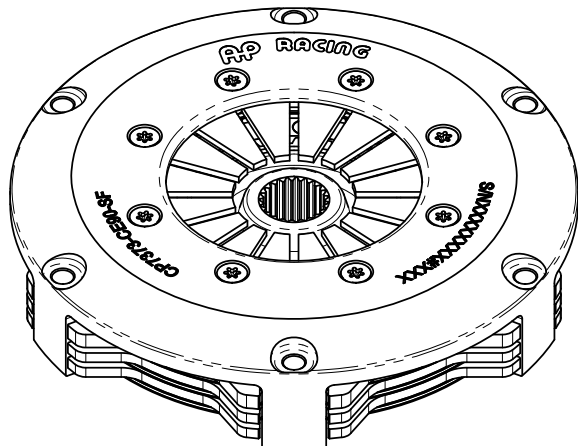


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## CP7373, Ø184mm (7.25") SINTERED CLUTCH ASSEMBLY



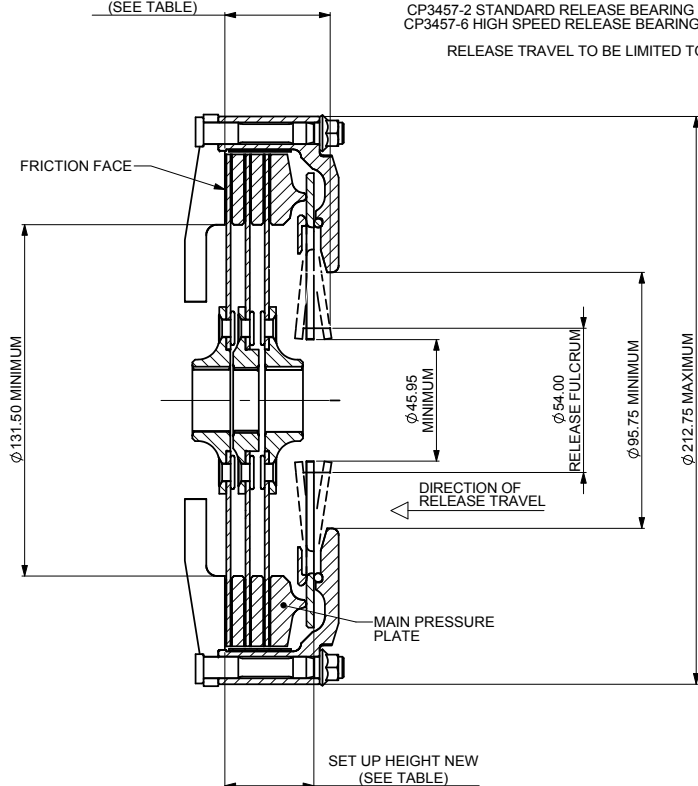
### RECOMMENDED RELEASE BEARING :

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 <sup>2</sup>				
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  <b>SUH CHANGES</b> 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 33.86 40.19 WAS 40.03 NE ASSEMBLY: 36.16 WAS 36.54 32.90 WAS 33.23 39.37 WAS 39.56		#	bcB
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

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

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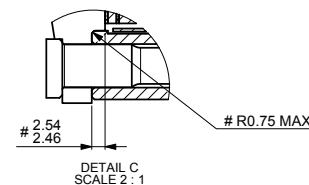
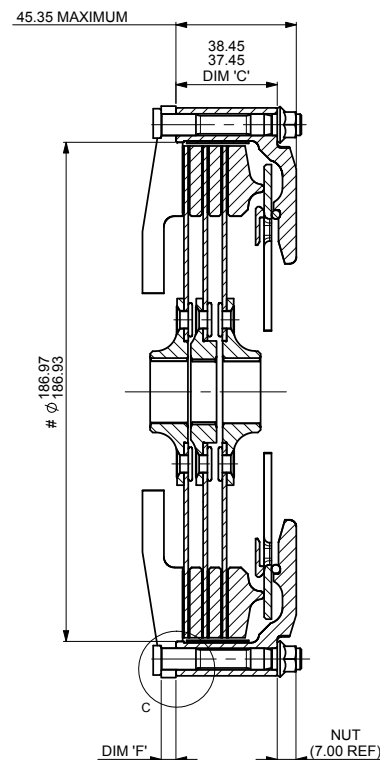
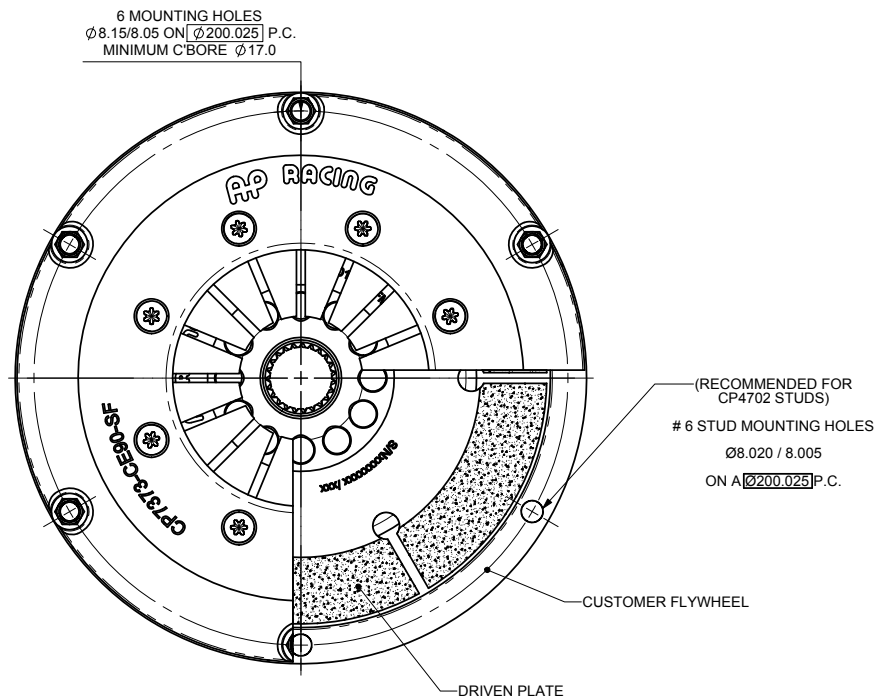
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## FLYWHEEL DIMENSIONS STEPPED FLYWHEEL SUFFIX -SF

# 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 RT7.2, ±0.08  
WHEN ASSEMBLED TO CRANKSHAFT.

Issue No.	Alterations		Zone	Initials
	Date & No.	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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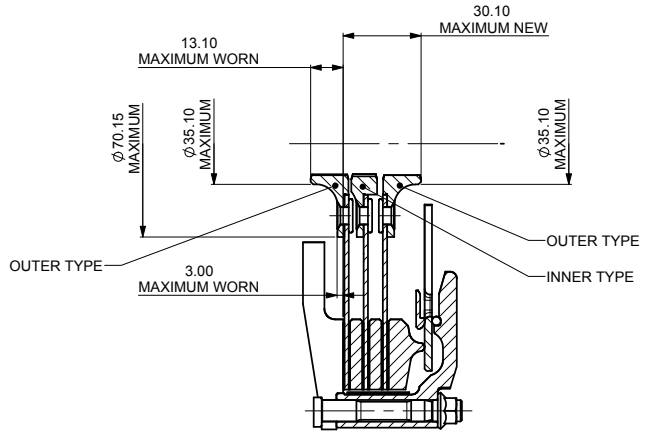
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## BACK TO BACK DRIVE PLATES (CP2012 TYPE)

	CP2012 TYPE
TYPICAL MASS	1.487kg
TYPICAL INERTIA	0.0054 kg/m <sup>2</sup>

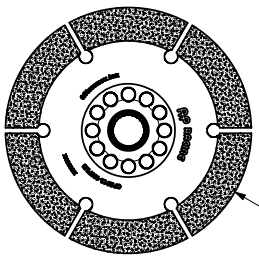
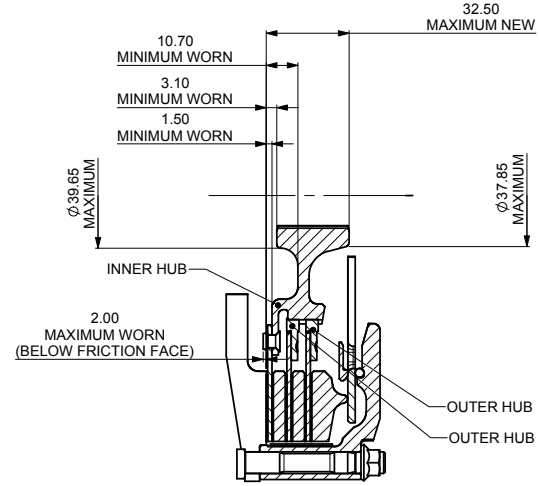
VALUES ARE FOR 3 DRIVEN PLATES



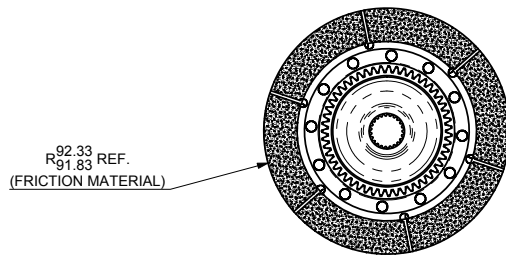
## GEAR DRIVE HUB DRIVE PLATES (CP2822 TYPE)

	CP2822 TYPE
TYPICAL MASS	1.794kg
TYPICAL INERTIA	0.0066kg/m <sup>2</sup>

VALUES ARE FOR 3 DRIVEN PLATES



CP2012 TYPE DRIVE PLATE  
(1:2 SCALE)



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

SCALE 1:2 SHEET 3 OF 3

DRAWN DAVID CONSTABLE-BERRY

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TITLE  
Ø184 (7.25") TRIPLE PLATE  
CLUTCH INSTALLATION

DRG NO. CP7373-1CD