

A1 INSTALLATION DRAWING

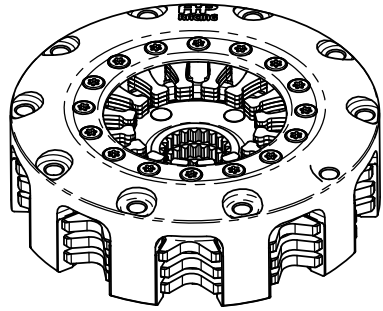
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CP6073 - 115mm (4.5") SINTERED CLUTCH ASSEMBLY



CP6073 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY					
(Nm)	878	761	664	499	
(ft.lb)	647	561	490	386	
RELEASE LOAD					
Max. Peak Worn (N)	5400	5750	4950	4000	
Max. Peak New (N)	4250	4700	4050	3500	
WEAR IN (See Note)					
	0.75	0.75	0.75	0.75	
Set Up Height New	33.52	33.69	33.39	31.87	
	32.38	32.41	32.11	30.63	
Set Up Height Worn - MAX	36.08	36.25	35.93	34.50	
Release Ratio	3.913	3.462	3.462	3.462	
Estimated Assembly Mass (Inc. Hub with Steel Main Pressure Plate) = 2.30 Kg					
Estimated Assembly Inertia (Inc. Hub with Steel Main Pressure Plate) = 0.0055 Kg ²					
Estimated Driven Plate and Hub Inertia = 0.001 Kg ²					

PERFORMANCE SUFFIX	DS	DE	SE	CE*
For Reference				
Diaphragm Spring Rate	GLD	GLD	SLV	CRV
Clutch Ratio	SHR	EHR	EHR	EHR

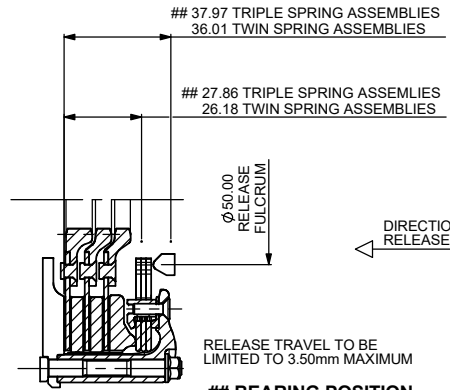
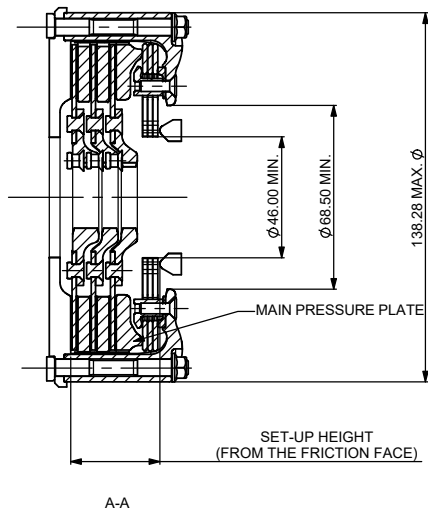
MATERIAL SUFFIX	DRIVE PLATE MATERIAL	DRIVE PLATE THICKNESS
90	SINTERED	2.63mm

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

Sample AP Racing Part No. **CP6073-DS90-SF**

WEAR IN	
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,	
DRIVEN PLATE THICKNESS NEW: 2.63mm MIN	
DRIVEN PLATE THICKNESS WORN: 2.34mm MIN	

DRIVEN PLATES AVAILABLE WITH THE FOLLOWING SPLINE SIZES			
SPLINE	PART No. STANDARD LENGTH (x 3)	PART No. INCREASED LENGTH (x 1)	PART No. INCREASED LENGTH (x 2)
1"X23T	CP5004-5FM4	CP6074-23FM4	CP6074-22FM4
7/8" x 20T	CP5004-6FM4		
1 5/32" x 26T	CP5004-8FM4	CP6074-19FM4	CP6074-18FM4
29.0 x10T	CP5004-7FM4		



RELEASE TRAVEL TO BE LIMITED TO 3.50mm MAXIMUM

BEARING POSITION

TO ENSURE ADEQUATE RELEASE TRAVEL AND CLUTCH LIFE THESE LIMITS HAVE BEEN CALCULATED USING AN ADDITIONAL 20% RELEASE TRAVEL AND 50% MORE WEAR IN THAN SPECIFIED.

THESE FIGURES COVER THE FULL RANGE OF CLUTCHES IN THE CP6073 FAMILY.

Issue No	Alterations		Zone	Initials
	Date & No.	Particulars		
1	11/08/04 C2493	FIRST ISSUE OF RE-DRAW OF CP6074-1CD, INC. NEW PART NUMBERING SYSTEM.	#	#
2	08/10/04	WEIGHT WAS 2.78 ASSY. INERTIA WAS 0.0065 DP. INERTIA WAS 0.0013	#	JG
3	11/10/04 C2543	CP6074-22FM4 AND 023FM4 ADDED TO DP TABLE.	#	JG
4	27/10/04	SUH CORRECTED BY REMOVING 2.5 FROM ALL FIGURES	#	JG
5	10/01/06	DRIVEN PLATE INERTIA WAS 0.00010 Kg ^m ²	#	JG
6	23/07/19	PICTORIAL UPDATE TO DRIVE PLATES	#	BUP
7	16/08/2021 C5375_01	'MAX PEAK NEW' WAS 'AT TRAVEL' 'MAX PEAK WORN', 'MAX PEAK NEW' AND 'RELEASE RATIO' VALUES CHANGED TO CONFORM WITH MIS1000	#	KB JRV

SCALE 1:1 SHEET 1 OF 2
 DRAWN: Jeremy Govan
 APPROVED:
 DERIVED FROM: cp6073-1cd (medusa)
 TITLE: 4.5" (115mm) 3-PLATE SINTERED CLUTCH INSTALLATION DRAWING.
 DRG NO. cp6073cd

A1 INSTALLATION DRAWING

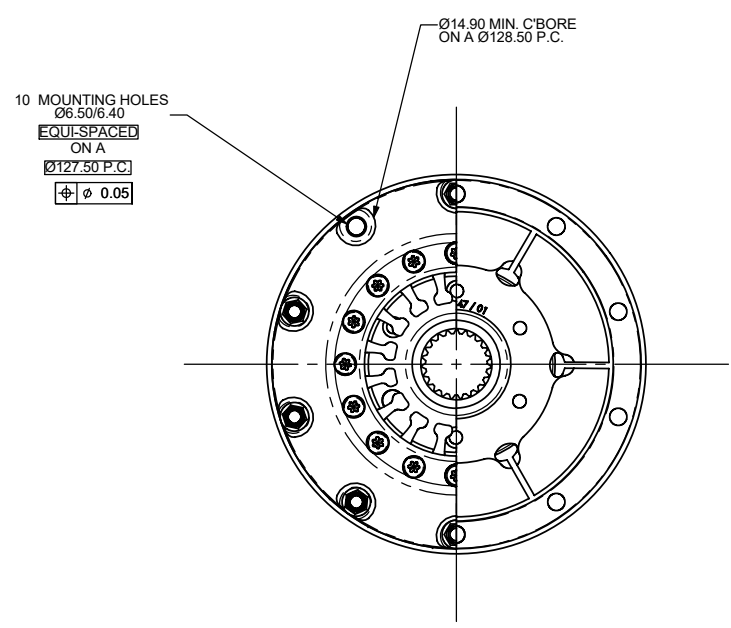
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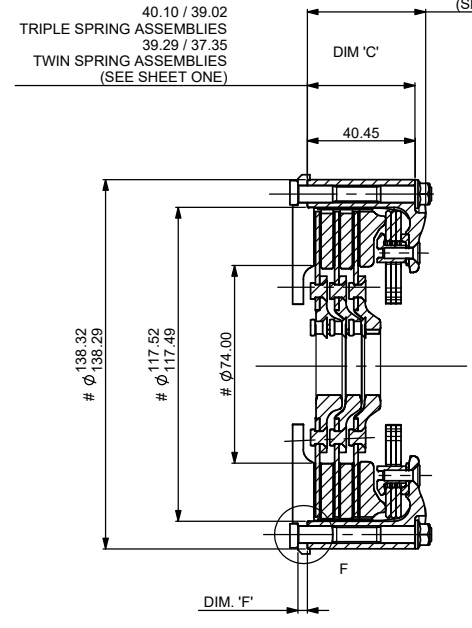
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44.85 MAX.
TRIPLE SPRING ASSEMBLIES
43.05 MAX.
TWIN SPRING ASSEMBLIES
(SEE SHEET ONE)

40.10 / 39.02
TRIPLE SPRING ASSEMBLIES
39.29 / 37.35
TWIN SPRING ASSEMBLIES
(SEE SHEET ONE)

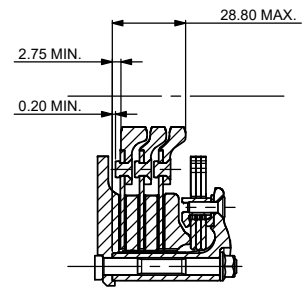


RECOMMENDED CLUTCH MOUNTING :
 (FOR ALL TYPES OF ASSEMBLY)
 1/4" UNF, CP4703 FAMILY STUD AND
 K-LOCK NUT.
 TIGHTENING TORQUE : 10Nm (7,5 ft.lb)

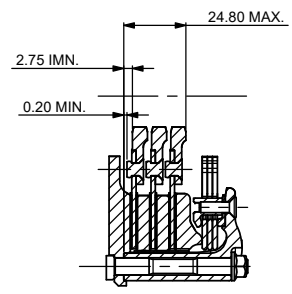
LENGTH OF STUD REQUIRED TO BE
 CALCULATED THUS :

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

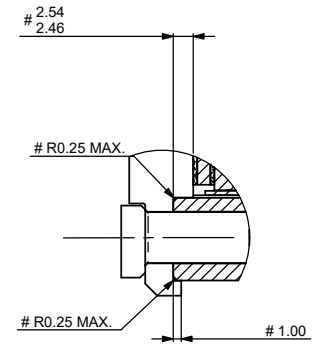
THIS CALCULATED LENGTH TO BE ROUNDED
 UP TO THE NEXT AVAILABLE STANDARD STUD
 LENGTH.



C-C
 HUB ENVELOPE
 (INCREASED SPLINE LENGTH)



E-E
 HUB ENVELOPE
 (STANDARD SPLINE LENGTH)



NOTE: THE EXTERNAL SPIGOT
 IS OPTIONAL

DETAIL F SCALE 3 : 1

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

SCALE 1:1 SHEET 2 OF 2

DRAWN: Jeremy Govan

APPROVED:

DERIVED FROM: cp6073-1cd (medusa)

TITLE
**4,5" (115mm) 3-PLATE SINTERED
 CLUTCH INSTALLATION DRAWING.**

DRG NO. cp6073cd