

# A1 INSTALLATION DRAWING

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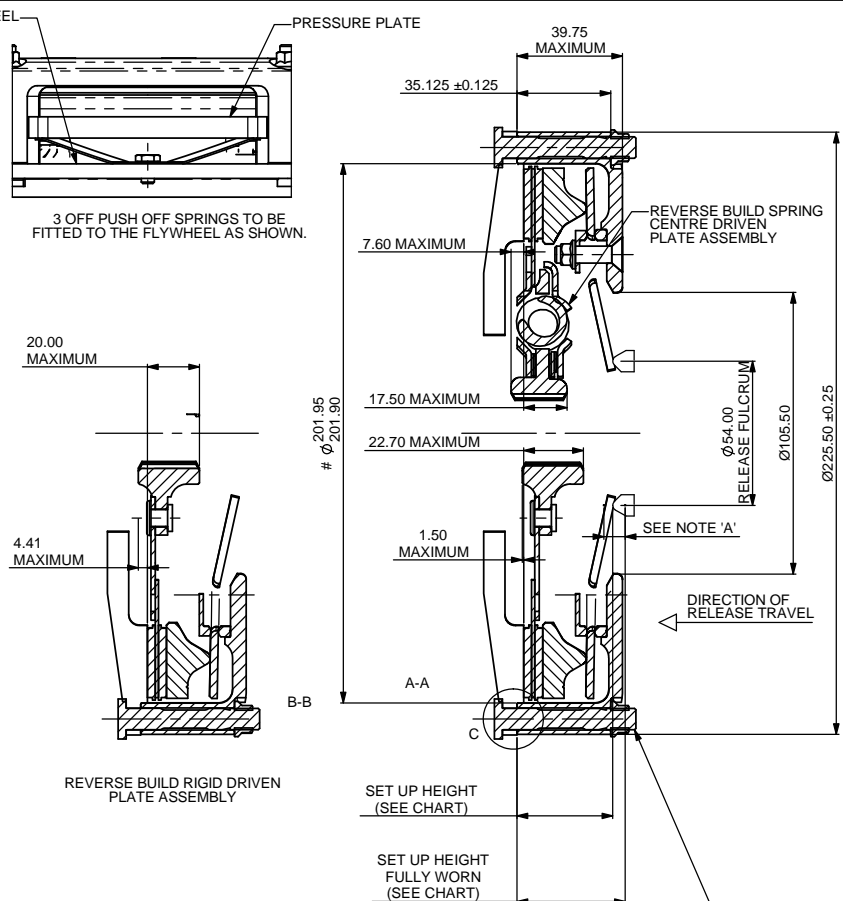
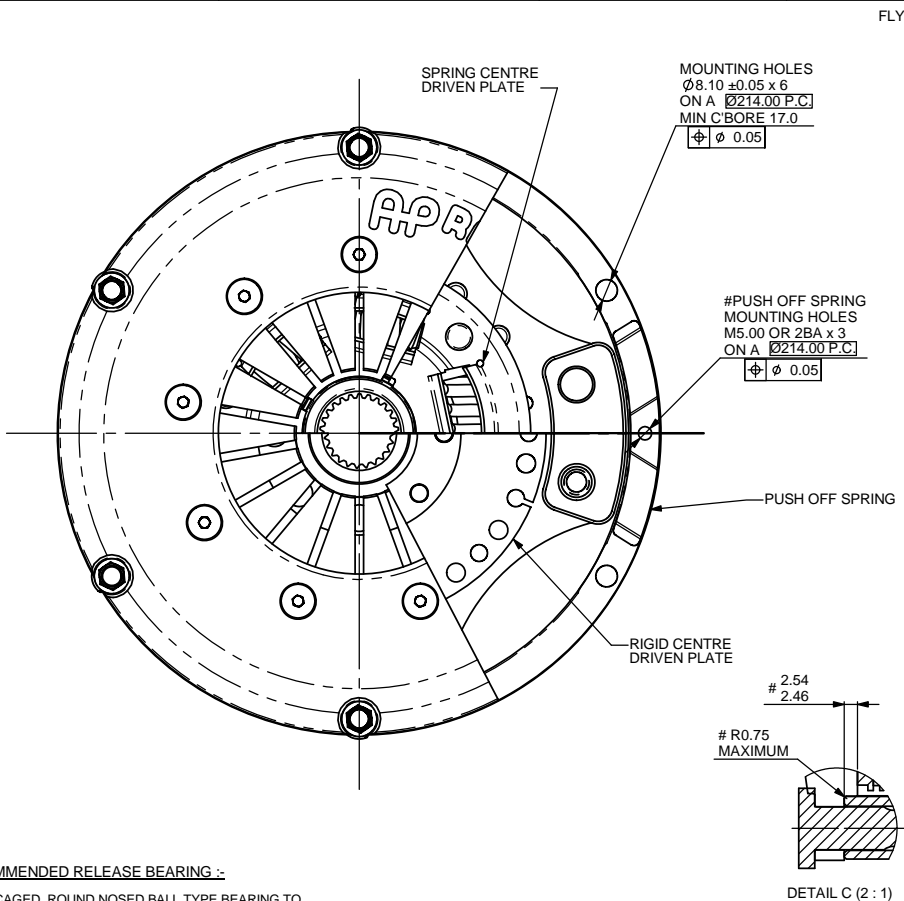
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**THIS CLUTCH ASSEMBLY IS ONLY SUITABLE FOR USE WITH REVERSE BUILD SPRING CENTRE DRIVEN PLATE ASSEMBLIES.**

DRIVEN PLATES WITH OTHER HUB LENGTHS AND SPLINE TYPES ARE AVAILABLE.

RECOMMENDED CLUTCH MOUNTING  
CP4702-425 STUD AND KAYLOCK NUT  
TIGHTENING TORQUE 22.0 Nm (16 lb ft)

NOTE A :  
RELEASE TRAVEL TO BE LIMITED TO 8.00 MAXIMUM BY MEANS OF AN EXTERNAL STOP.

# FLYWHEEL DIMENSIONS

**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)

**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. RUNOUT AT R77.2 <= 0.08 MAX. WHEN ASSEMBLED TO CRANKSHAFT.

**CLUTCH WEAR IN**

THIS CLUTCH HAS BEEN DESIGNED TO ACHIEVE 0.75mm WEAR IN MINIMUM.  
DRIVEN PLATE THICKNESS NEW: 7.08 NOM  
DRIVEN PLATE THICKNESS WORN: 6.29 MIN

**TORQUE CAPACITY :-**

FOR APPLICATIONS EXCEEDING THE MAXIMUM RECOMMENDED FIGURES PLEASE CONTACT A.P. RACING.

DRIVEN PLATES						
SPLINE SIZE	3 PADDLE PLATE CP5213 TYPE	4 PADDLE PLATE CP5214 TYPE	6 PADDLE PLATE CP5216 TYPE	3 PADDLE S/CENTRE TYPE	4 PADDLE S/CENTRE TYPE	6 PADDLE S/CENTRE TYPE
1.00" x 23	N/A	CP5214-12	CP5216-15	N/A	CP4814-21	CP4816-12
7/8" x 20	N/A	CP514-14	CP5216-14	N/A	CP4814-15	CP4816-13
29 x 10	N/A	N/A	N/A	N/A	N/A	CP4816-11

CLUTCH ASSEMBLY PART No.	SET UP HEIGHT		RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (daN) MAX. PEAK WORN
	NEW	MAX. WORN (0.75 WEAR-IN)		
CP3871ACRV	38.63	42.32	525 (387)	420
	36.22	(0.75 WEAR-IN)		
CP3871AGRY	38.41	42.10	420 (310)	350
	36.00	(0.75 WEAR-IN)		

ASSEMBLY INERTIA			
DRIVEN PLATE TYPE	COMPLETE ASSY. WEIGHT INC. D/P/S. (kg)	COMPLETE ASSY. INERTIA INC. D/P/S. (kgm <sup>2</sup> )	D/P AND HUB INERTIA. (kgm <sup>2</sup> )
4 PADDLE CERAMAETALLIC	3.8640	0.0248	0.0033
4 PADDLE S/CENTRE	4.2820	0.0257	0.0042
6 PADDLE CERAMAETALLIC	4.0080	0.0259	0.0044
6 PADDLE S/CENTRE	4.4920	0.0315	0.0100

Issue No.	Date & No.	Alterations		Zone	Initials
		Date & No.	Particulars		
6	07/01/04 C2364		REDRAWN IN SOLIDWORKS PUSH OFF SPRING LOCATION DETAIL ADDED.	#	JG
7	19/10/04 C2551		COVER MOUNTING DETAIL CLARIFIED.	#	JG
8	04/03/10		CP4816-12 AND -13 POSITIONS CORRECTED IN DRIVEN PLATE TABLE	#	JG
9	24/03/14 C4684		MAX TRAVEL 8.00 WAS 5.50 SUH UPDATED CP3871AGRY 420Nm WAS 450Nm	D11 A3 A5	BJP

SCALE 1:1	SHEET 1 OF 1
DRAWN	JEREMY GOVAN
APPROVED	
DERIVED FROM	CP3781-1CD.SHE
TITLE Ø200mm CLUTCH INSTALLATION	
DRG NO.	CP3871-1CD