

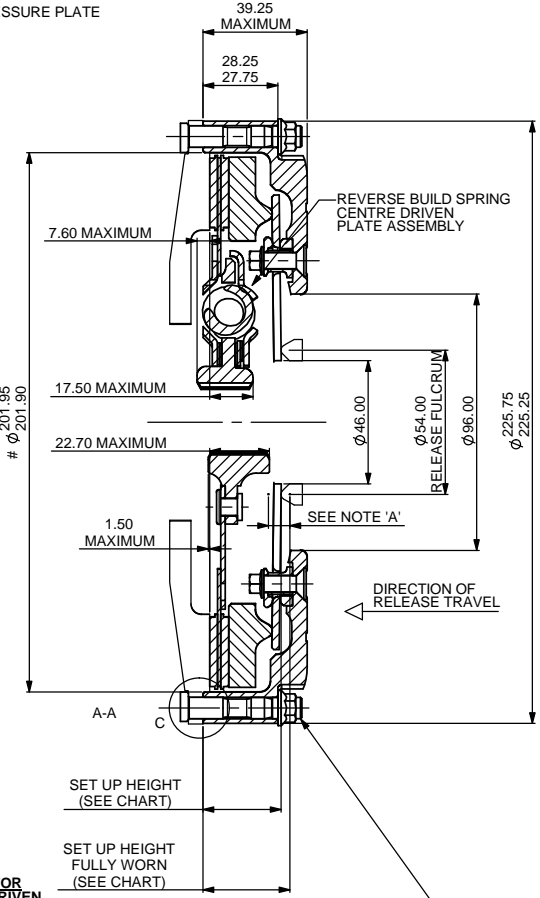
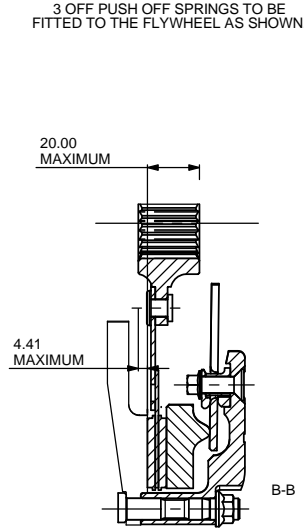
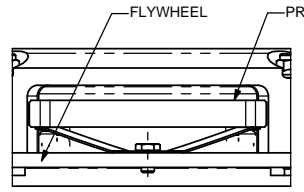
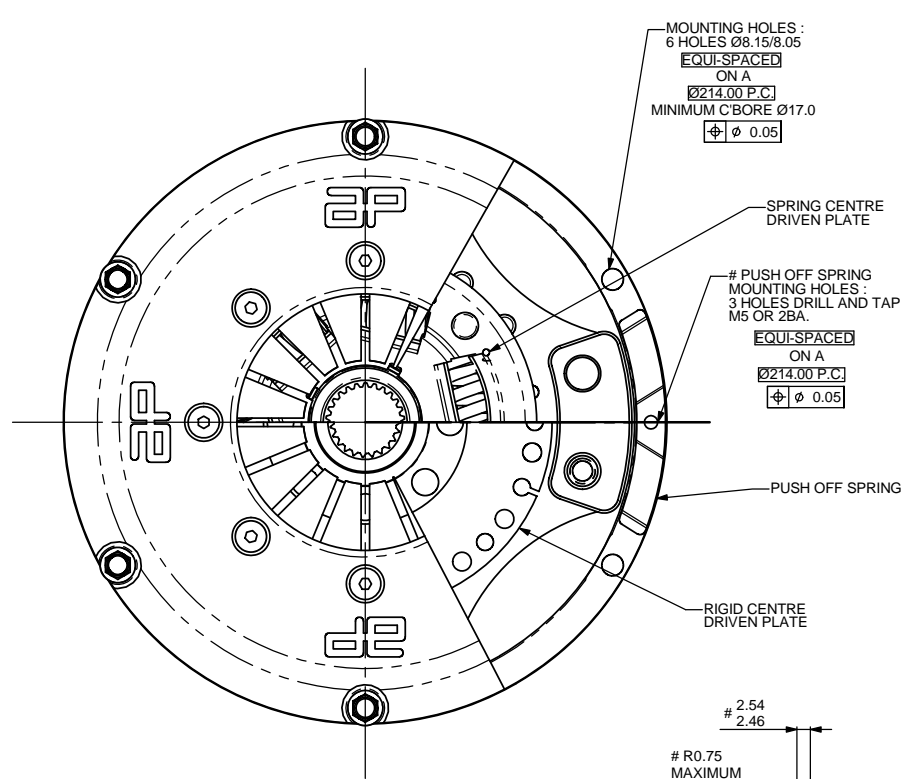
A1 INSTALLATION DRAWING

IF THIS DOCUMENT IS PRINTED IN HARDCOPY IT IS FOR INFORMATION USE ONLY AND THEREFORE IS NOT SUBJECT TO UPDATING CONTROLS. ALWAYS REFER TO SOLIDWORKS VIEWER FOR LATEST ISSUE

FIRST ANGLE PROJECTION

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AP RACING
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 AP Racing
 Wheler Road
 Coventry
 CV3 4LB
 Tel: +44 (0) 24 7663 9595 e-mail: engineering@apracing.co.uk
 Fax: +44 (0) 24 7663 9559 Web site: http://www.apracing.com



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.

TORQUE CAPACITY :-

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

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

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 5.50 MAXIMUM BY MEANS OF AN EXTERNAL STOP.

FLYWHEEL DIMENSIONS

NOTE :
 THIS CLUTCH ASSEMBLY INCORPORATES A STEEL MAIN PRESSURE PLATE FOR APPLICATIONS WHERE CLUTCH ROTATIONAL SPEED EXCEEDS 8000 r.p.m.

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	CP5214-14	CP5216-14	N/A	CP4814-20	CP4816-13
22 x 26	N/A	N/A	N/A	N/A	CP4814-19	N/A
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)		
CP4560ACRV	31.11	33.60 (0.75 WEAR-IN)	343 (253)	347
CP4560AGRY	31.44	33.93 (0.75 WEAR-IN)	301 (222)	289

ASSEMBLY INERTIA			
DRIVEN PLATE TYPE	COMPLETE ASSY. WEIGHT INC. D/P/S. (kg)	COMPLETE ASSY. INERTIA INC. D/P/S. (kgm ²)	D/P AND HUB INERTIA. (kgm ²)
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

Alterations				
Issue No.	Date & No.	Particulars	Zone	Initials
5	07/01/04 C2364	REDRAWN IN SOLIDWORKS PUSH OFF SPRING LOCATION DETAIL ADDED.	#	JG
6	19/10/04 C2551	COVER MOUNTING DETAIL CLARIFIED.	#	JG
7	23/02/15	CP4816-12 WAS 7/8" x 20 SPLINE CP4816-13 WAS 1" x 23 SPLINE	#	JG
8	21/07/15	CP4814-20 WAS CP4814-15 CP4814-19 ADDED.	#	JG

SCALE 1:1 SHEET 1 OF 1

DRAWN: Jeremy Govan

APPROVED:

DERIVED FROM: cp4560-1cd.she

TITLE: Ø200mm CLUTCH INSTALLATION

DRG NO. cp4560-1cd