

A1 INSTALLATION DRAWING

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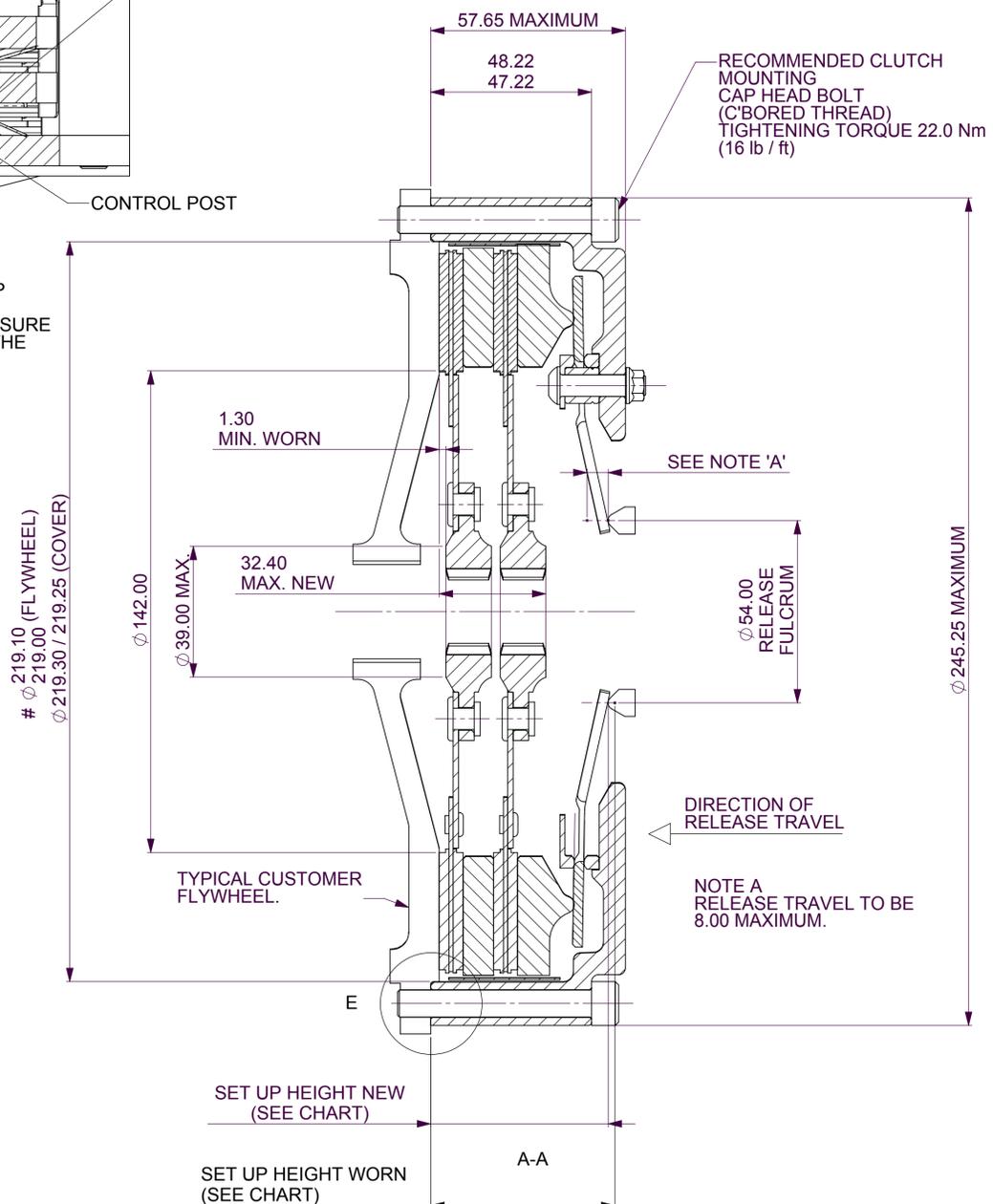
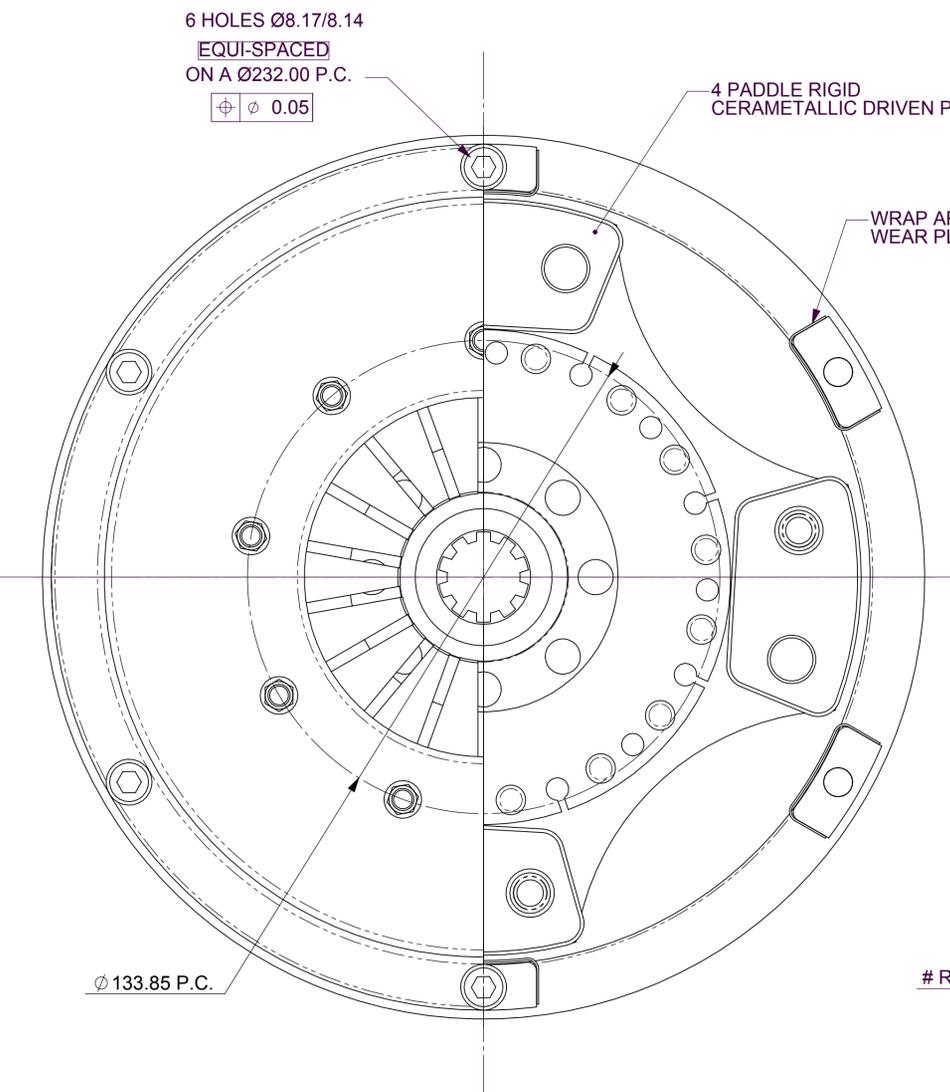
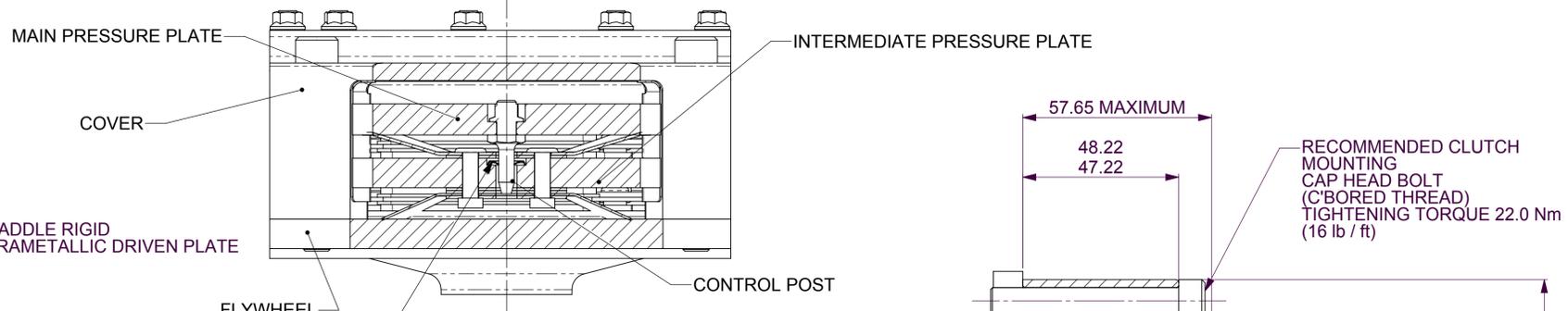


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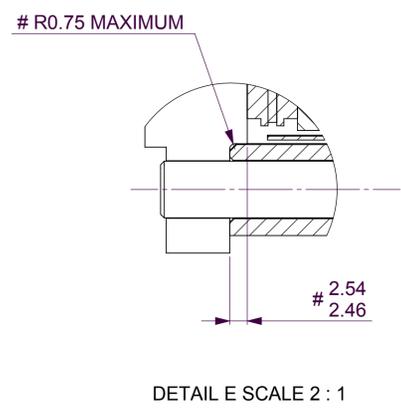
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PART NUMBER NOTE

CP5242 COMES AS STANDARD WITH LIFT CONTROL CLIPS AND CONTROL POSTS. IF THESE PARTS ARE NOT REQUIRED PLEASE ADD THE SUFFIX : **NPOS** TO THE PART NUMBER



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 1.00mm 'WEAR IN' MINIMUM.
 DRIVEN PLATE THICKNESS NEW: 7.08 NOM.
 DRIVEN PLATE THICKNESS WORN: 6.58 MIN.

TORQUE CAPACITY :-
 FOR APPLICATIONS EXCEEDING THE MAXIMUM RECOMMENDED FIGURES PLEASE CONTACT A.P. RACING.

CLUTCH ASSEMBLY PART No.	SET UP HEIGHT		RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (N) MAX. PEAK WORN
	NEW	MAX. WORN		
CP5242-2CRV (# SEE PART NUMBER NOTE)	53.84 51.91	57.65 (1.00 WEAR-IN)	842 (621)	3800
CP5242-2GRY (# SEE PART NUMBER NOTE)	53.55 51.34	57.36 (1.00 WEAR-IN)	564 (416)	3000

ASSEMBLY INERTIA			
DRIVEN PLATE TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S. (kg)	COMPLETE ASSY. INERTIA INC. D/P'S. (kgm²)	D/P AND HUB INERTIA. (kgm²)
4 PADDLE PLATE	7.74	0.063358	0.005833
3 PADDLE PLATE	N/A	N/A	N/A

SPLINE SIZE	DRIVEN PLATES	
	3 PADDLE PLATE	4 PADDLE PLATE
1.06" x 10	N/A	CP6180-1
1.00" x 23	N/A	CP6180-2
1.00" x 24	N/A	CP6180-3
1.16" x 26	N/A	CP6180-4
1.12" x 10	N/A	CP6180-5

Issue No.	Alterations			Zone	Initials
	Date & No.	Particulars			
4	09/02/05 C2619	REDRAWN IN SOLIDWORKS NEW DRIVEN PLATE FAMILY CP6180 ADDED.	#	JG	
5	07/07/05 C2709	PUSH OFF SPRING VIEW DELETED.	#	JG	
6	15/08/05	Ø142.00 ADDED.	#	JG	
7	10/10/05	CP6180-5 ADDED TO TABLE.	#	SY	
8	20/06/07 C3171	PUSH OFF SPRING VEIW ADDED.	#	JG	
9	11/03/08	WEIGHT AND INERTIA TABLE ADDED.	#	JG	
10	04/02/10 C3785	PO SPRING ASSY MODIFIED WITH 2 EXTRA SHIMS	L8	AB	
11	15/11/12 C4399	PART NUMBER NOTE ADDED	#	JG	
12	09/03/17 C3969	INCORRECT DIM'N 47.92/46.92 NOW 48.22/47.22	K11	JCD	
13	17/09/19	RELEASE TRAVEL 8.00 MAX WAS 6.50/6.00 mm MAX PEAK REL LOAD WORN 3800N WAS 420 daN	F13	BJP	A7

SCALE 1:1 SHEET 1 OF 1

DRAWN JEREMY GOVAN

APPROVED #

DERIVED FROM cp5242-1 (ISS 3 MEDUSA)

TITLE
 Ø8.50" LUG DRIVE CLUTCH INSTALLATION

DRG NO. CP5242-1CD