

A1 INSTALLATION DRAWING

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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

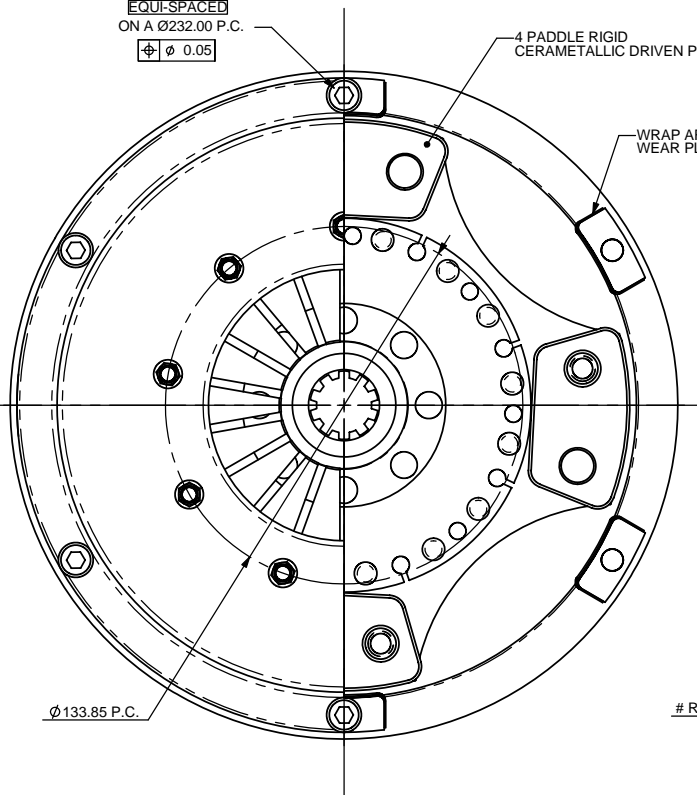
6 HOLES Ø8.17/8.14

EQUI-SPACED

ON A Ø232.00 P.C.

± 0.05

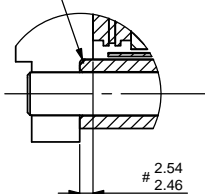
4 PADDLE RIGID CERAMETALLIC DRIVEN PLATE



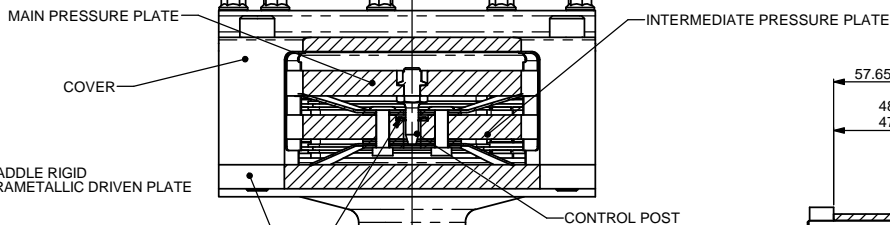
Ø133.85 P.C.

FLYWHEEL DIMENSIONS

R0.75 MAXIMUM



DETAIL E SCALE 2 : 1



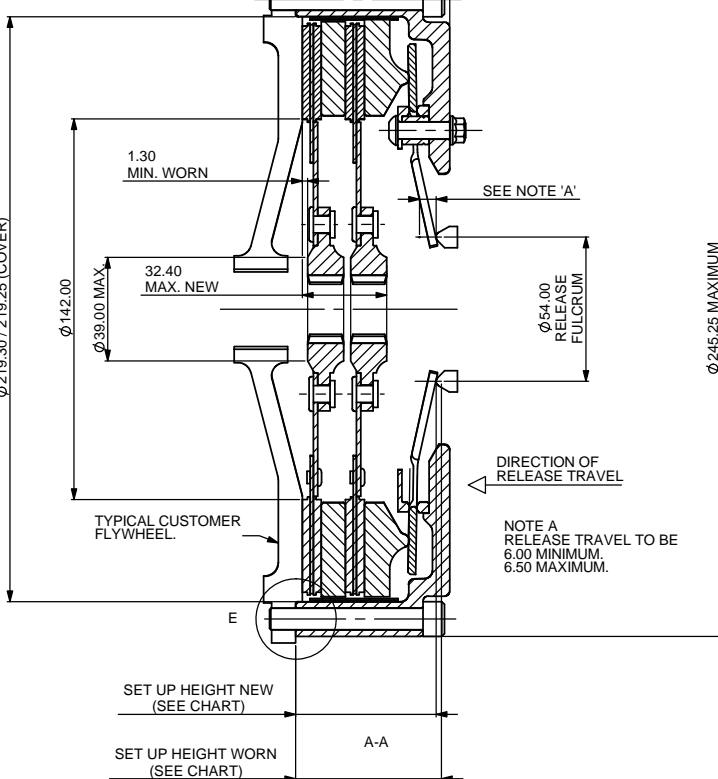
RELEASE CONTROL CLIP (CP5082-111)
CARE MUST BE TAKEN TO ENSURE THE CLIPS ARE FITTED IN THE DIRECTION SHOWN

57.65 MAXIMUM

48.22

47.22

RECOMMENDED CLUTCH MOUNTING CAP HEAD BOLT (C'BORED THREAD) TIGHTENING TORQUE 22.0 Nm (16 lb / ft)



1.30 MIN. WORN

32.40 MAX. NEW

Ø142.00

Ø 219.10 (FLYWHEEL)
Ø 219.30 / 219.25 (COVER)

SEE NOTE 'A'

Ø54.00 RELEASE FULCRUM

Ø 245.25 MAXIMUM

DIRECTION OF RELEASE TRAVEL

NOTE A
RELEASE TRAVEL TO BE 6.00 MINIMUM, 6.50 MAXIMUM.

SET UP HEIGHT NEW (SEE CHART)

SET UP HEIGHT WORN (SEE CHART)

A-A

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 (daN) MAX. PEAK WORN
	NEW	MAX. WORN		
CP5242-2CRV (# SEE PART NUMBER NOTE)	53.84	57.65 (1.00 WEAR-IN)	842 (621)	420
CP5242-2GRY (# SEE PART NUMBER NOTE)	53.55	57.36 (1.00 WEAR-IN)	564 (416)	300

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

DRIVEN PLATES		
SPLINE SIZE	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	LB	AB
11	15/11/12 C4399	PART NUMBER NOTE ADDED	#	JG
12	09/03/17 C3969	INCORRECT DIMN 47.92/46.92 NOW 48.22/47.22	K11	JCD

SCALE 1:1	SHEET 1 OF 1
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	cp5242-1 (issue 3 medusa)
TITLE Ø8,50" LUG DRIVE CLUTCH INSTALLATION	
DRG NO.	cp5242-1cd