

# A1 INSTALLATION DRAWING

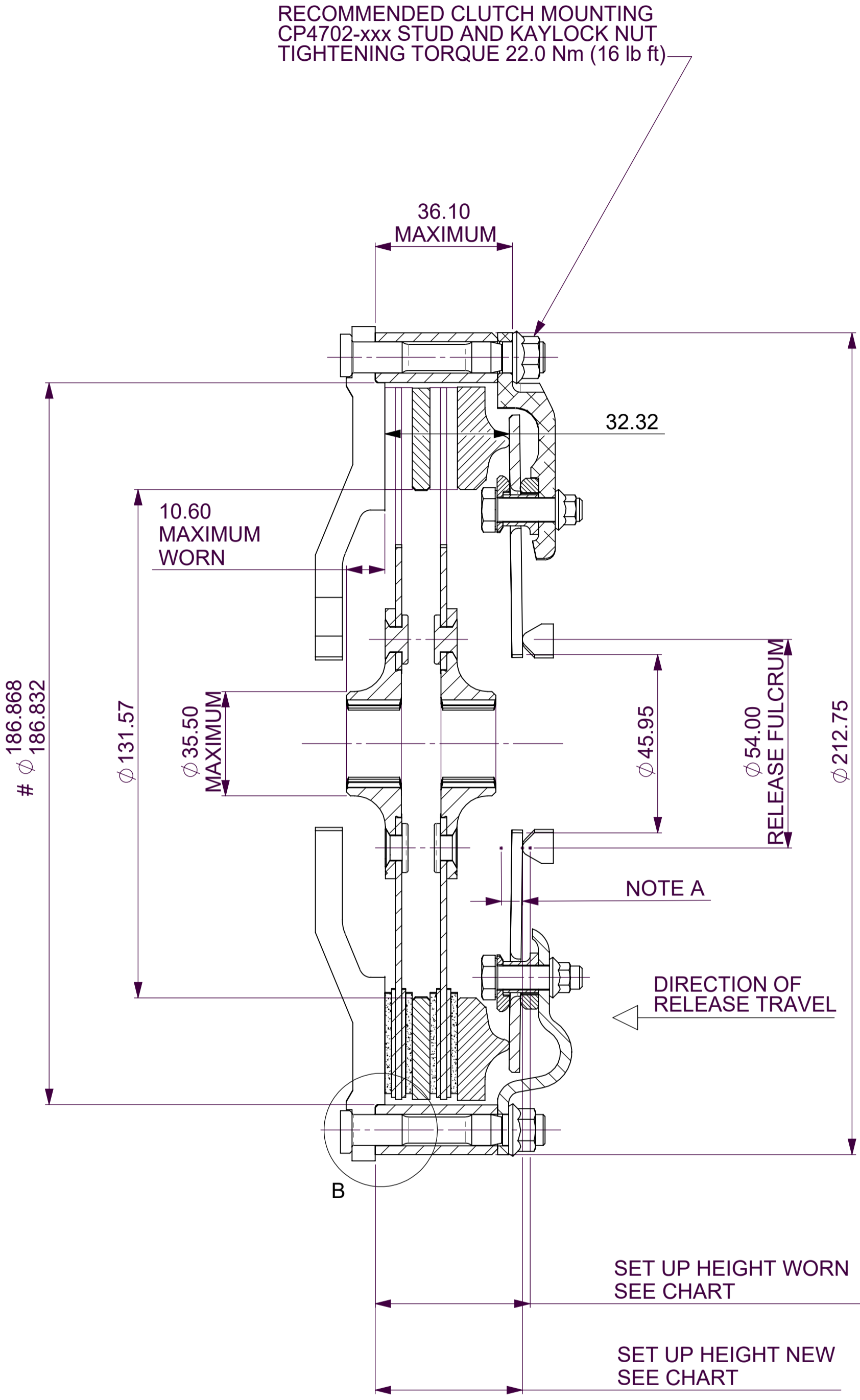
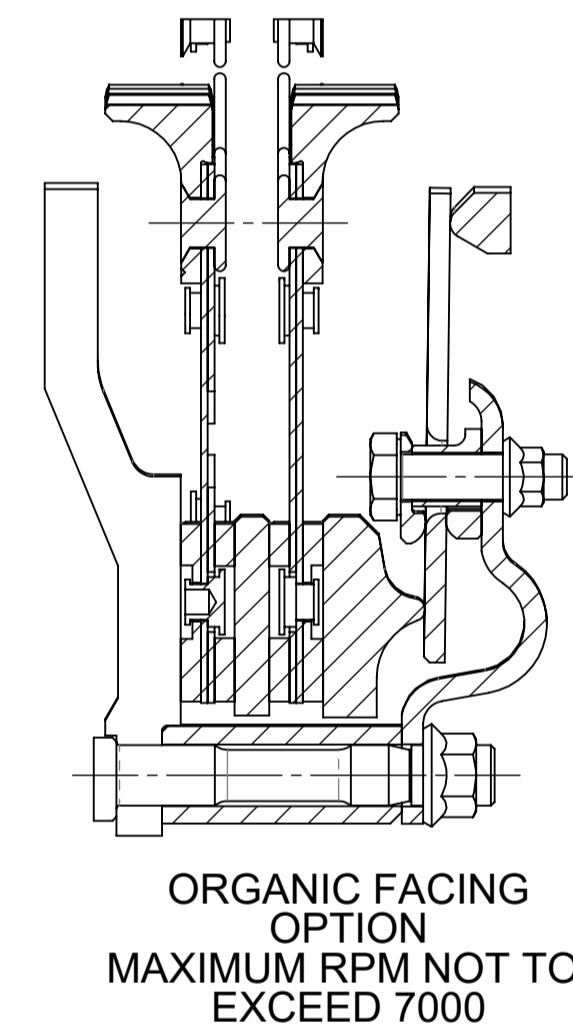
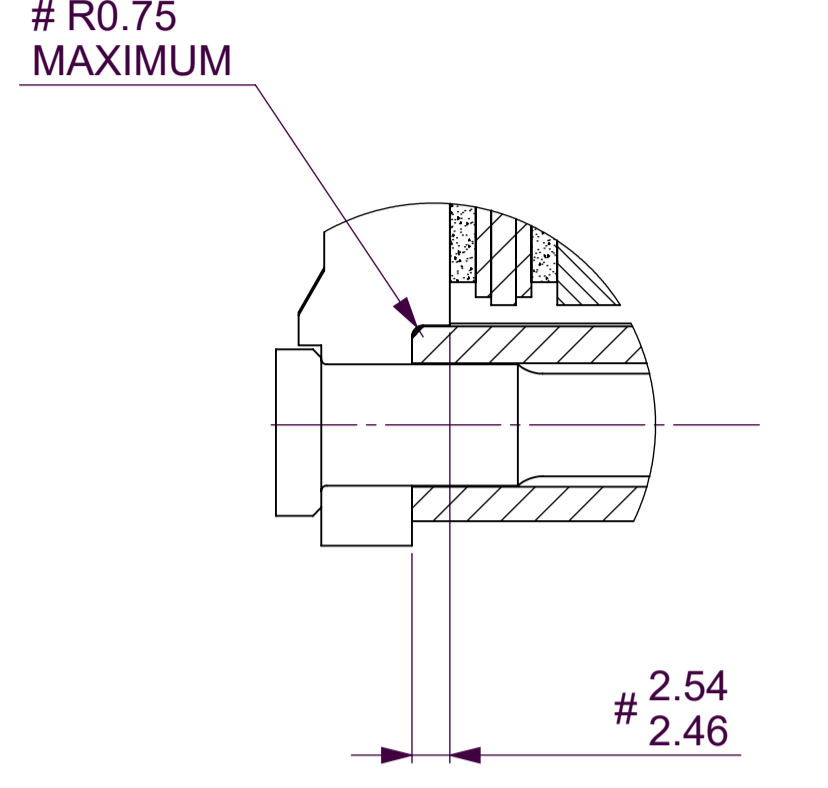
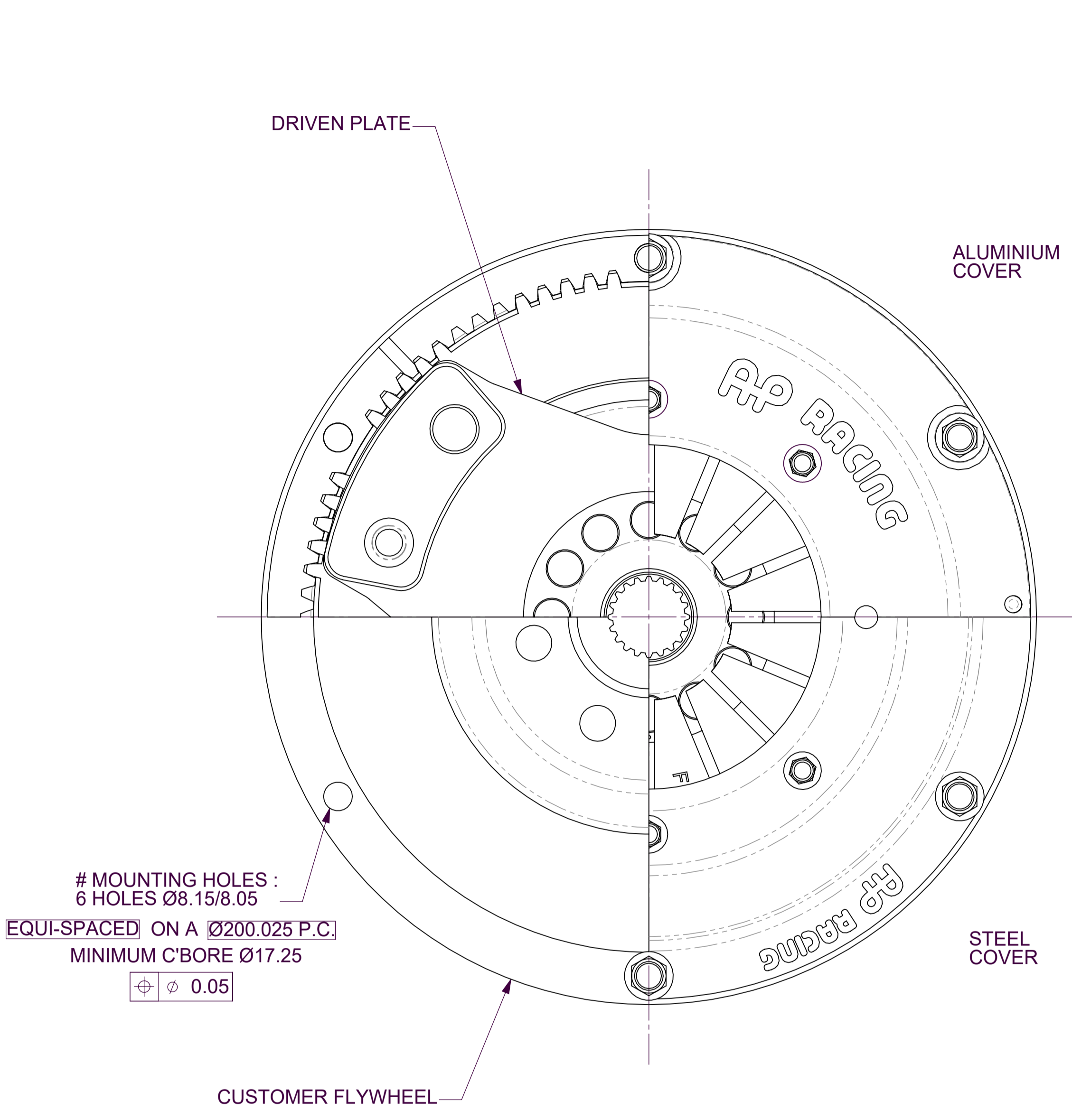
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Issue No.	Date & No.	Alterations		Zone	Initials
		Date & No.	Particulars		
6	05/04/05 C2625		REDRAWN IN SOLIDWORKS	#	JG
7	01/02/10 C3789		CRV ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 4400N WAS 347daN TORQUE CAPACITY: 636Nm WAS 598Nm ORA ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 3300N WAS 222daN TORQUE CAPACITY: 421Nm WAS 400Nm GRN ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 2200N WAS 154daN TORQUE CAPACITY: 263Nm WAS 267Nm ALL REF'S: MAX PEAK NEW RELEASE LOAD ADDED.	#	JG
8	24/03/10 C3784		ORGANIC DRIVEN PLATE OPTION ADDED.	#	JG
9	13/08/13		CP5386-12 AND -15 ADDED TO ORGANIC DRIVE PLATE COLUMN.	C5	DW
10	15/06/15 C4165		SUH CHANGES: CRV: 39.57/36.81 WAS 39.89/37.60 42.09 WAS 42.38 ORA: 39.80/37.02 WAS 40.16/37.87 42.32 WAS 42.65 GRN: 39.00/36.23 WAS 41.24/38.98 41.52 WAS 43.72	#	JG
11	23/10/20 C5470_01		DRIVEN PLATES TABLE REWORKED TO USE NEW CP8300, CP8400 AND CP8600 FAMILIES	#	FL



# FLYWHEEL DIMENSIONS

NOTE A :  
RELEASE TRAVEL TO BE LIMITED TO 5.50 MAXIMUM BY MEANS OF AN EXTERNAL STOP.

DRIVEN PLATES				
TYPICAL DRIVEN PLATE SIZES - CONTACT AP RACING FOR OTHERS AVAILABLE				
SPLINE SIZE	3 PADDLE (CP8300 TYPE)	4 PADDLE (CP8400 TYPE)	6 PADDLE (CP8600 TYPE)	ORGANIC (CP5386 TYPE)
1" X 23T	CP8300-A036H	CP8400-A036H	CP8600-A036H	CP5386-10
7/8" x 20T	CP8300-A026(H)	CP8400-A026(H)	CP8600-A026	CP5386-12
1 5/32" x 26T	CP8300-A040	CP8400-A040	CP8600-A040	N/A
29.0 x 10T	CP8300-A008	CP8400-A008	CP8600-A008	CP5386-15
21.1 x 18	CP8300-A019	CP8400-A019	N/A	N/A
25.5 x 24	N/A	CP8400-A163H	CP8600-A163	N/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.

**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 NOMINAL  
 DRIVEN PLATE THICKNESS WORN: 6.68 MINIMUM

ASSMBLY INERTIA			
CLUTCH TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S.	COMPLETE ASSY. INERTIA INC. D/P'S.	D/P AND HUB INERTIA
<b>3 PADDLE</b>			
STEEL COVER	4.286 kg	0.0260 kgm <sup>2</sup>	0.00364 kgm <sup>2</sup>
ALUMINIUM COVER	4.036 kg	0.0246 kgm <sup>2</sup>	
<b>4 PADDLE</b>			
STEEL COVER	4.494 kg	0.0271 kgm <sup>2</sup>	0.00474 kgm <sup>2</sup>
ALUMINIUM COVER	4.246 kg	0.0257 kgm <sup>2</sup>	
<b>6 PADDLE</b>			
STEEL COVER	4.836 kg	0.0293 kgm <sup>2</sup>	0.00694 kgm <sup>2</sup>
ALUMINIUM COVER	4.588 kg	0.0279 kgm <sup>2</sup>	

CLUTCH ASSEMBLY PART No.	COVER TYPE	SET UP HEIGHT		RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (N) MAX. PEAK NEW	RELEASE LOAD (N) MAX. PEAK WORN
		NEW	MAX WORN			
CP2606ACRV	ALUMINIUM	39.57	42.09	636 (469)	3500	4400
CP2606CRV	STEEL	36.81				
CP2606ORA	ALUMINIUM	39.80	42.32	421 (310)	2400	3300
CP2606ORA	STEEL	37.02				
CP2606AGR	ALUMINIUM	39.00	41.52	263 (194)	1600	2200
CP2606GRN	STEEL	36.23				

SCALE 1:1 SHEET 1 OF 1

DRAWN: Jeremy Govan

APPROVED:

DERIVED FROM: cp2606-1cd (Medusa)

TITLE: Ø7,25" 6 BOLT, 'A' RING CLUTCH

DRG NO. cp2606-1cd