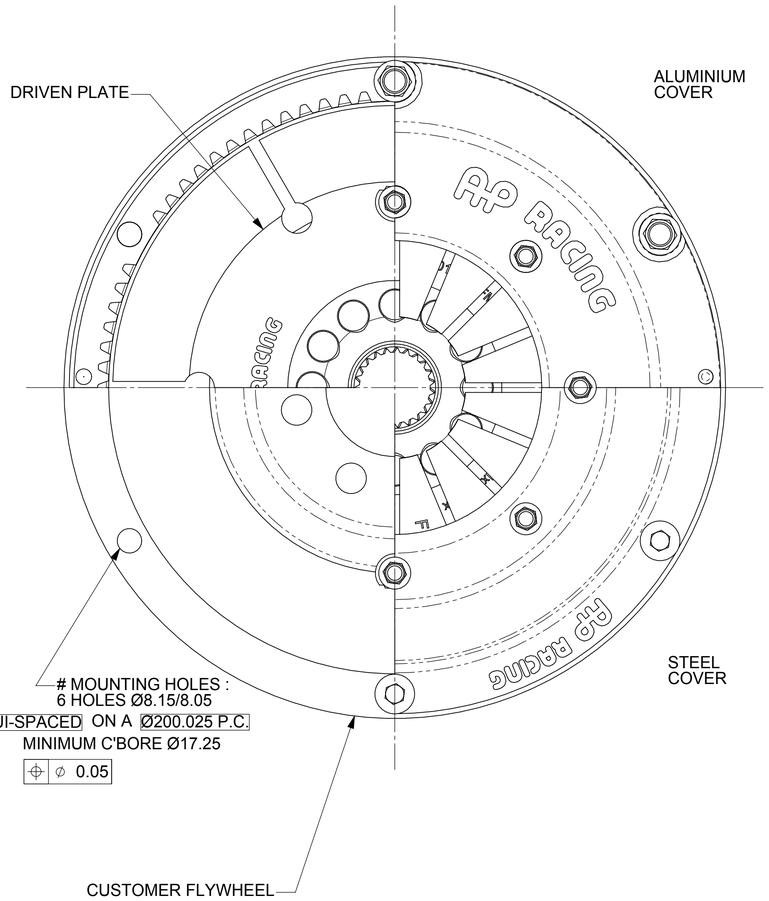
A1 INSTALLATION DRAWING

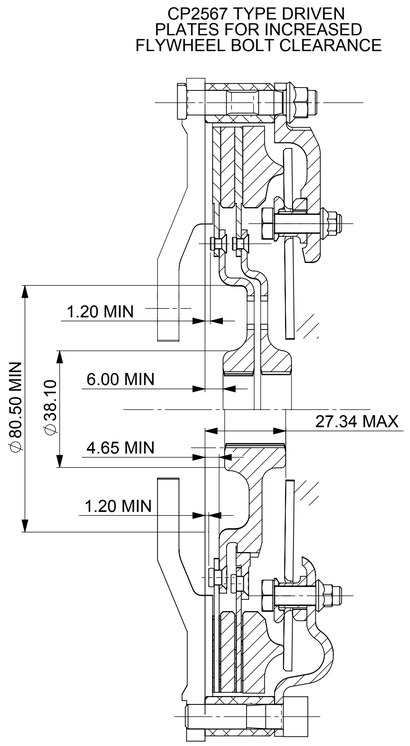
IF THIS DOCUMENT IS PRINTED IN HARDCOPY, IT IS FOR INFORMATION USE ONLY AND THEREFORE IS NOT SUBJECT TO UPDATING CONTROLS. ALWAYS REFER TO SOLIDWORKS VIEWER FOR LATEST ISSUE

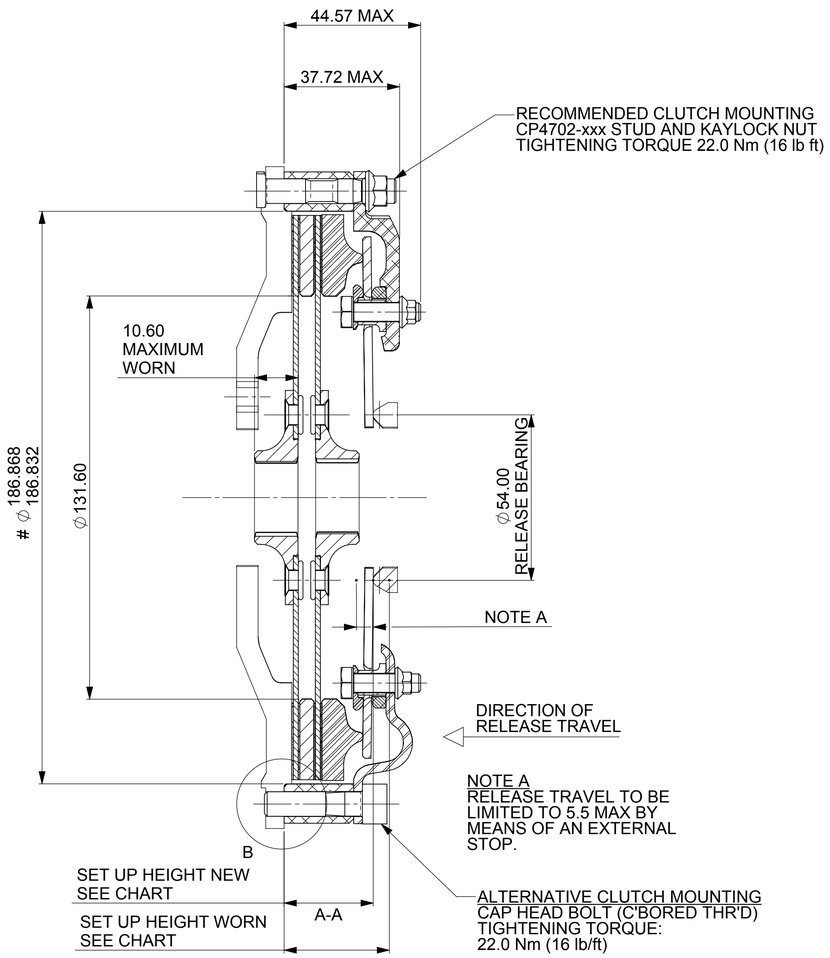
FIRST ANGLE PROJECTION

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

Issue No.	Alterations: Date & No.	Particulars	Zone	Initials
5	01/02/10 C3789	REDRAWN IN SOLIDWORKS. CRV ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 4400N WAS 347daN TORQUE CAPACITY: 848Nm WAS 765Nm ORA ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 3300N WAS 222daN TORQUE CAPACITY: 532Nm WAS 505Nm GRN ASSEMBLY: RELEASE LOAD - MAX PEAK WORN 2200N WAS 154daN TORQUE CAPACITY: 327Nm WAS 350Nm ALL REF'S: MAX PEAK NEW RELEASE LOAD ADDED.	#	JG
6	15/06/15 C4165	CP2125 GRY SPEC ADDED. SUH CHANGES: CRV: 30.59/27.69 WAS 31.31/28.64 33.10 WAS 33.80 ORA: 30.92/28.01 WAS 31.59/28.91 33.44 WAS 34.07 GRN: 29.97/27.07 WAS 32.66/30.03 32.48 WAS 35.14	#	JG







FLYWHEEL DIMENSIONS

DRIVEN PLATES					
SPLINE SIZE	BACK TO BACK TYPE		GEAR DRIVE (OUTER D.P	"COSWORTH" TYPE	
	OUTER D/P.	INNER D/P.		FLYWHEEL	P/PLATE SIDE
1.00" x 23	CP2012-165FM3	CP2012-178FM3	CP3822-10FM3	CP2567-23FM3	CP2567-24FM3
7/8" x 20	CP2012-166FM3	CP2012-179FM3	CP3822-11FM3	CP2567-7FM3	CP2567-8FM3
29 x 10	CP2012-199FM3	CP2012-245FM3	-	-	-
1"5/32'x26	CP2012-171FM3	CP2012-173FM3	-	CP2567-11FM3	CP2567-12FM3
1"1/8'x10	CP2012-117FM3	CP2012-169FM3	-	CP2567-15FM3	CP2567-16FM3

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 :-

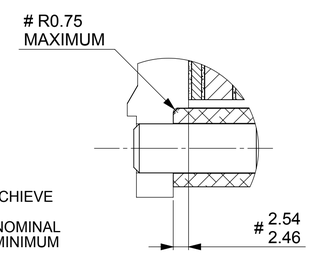
0.35/0.45% CARBON STEEL. BRINELL 200 MIN. OR SUITABLE MATERIAL FOR HIGH RPM.
FRICTION FACE TO BE FINE TURNED AND GROUND SMOOTH AND FLAT. RUNOUT AT R77.2 <=0.08 MAX. WHEN ASSEMBLED TO CRANKSHAFT.

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: 2.63 NOMINAL
DRIVEN PLATE THICKNESS WORN: 2.22 MINIMUM



DETAIL B SCALE 2 : 1

CLUTCH ASSEMBLY PART No.	COVER TYPE	SET UP HEIGHT NEW	SET UP HEIGHT MAX. WORN	RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb/ft)	RELEASE LOAD (N) MAX. PEAK NEW	RELEASE LOAD (N) MAX. PEAK WORN
CP2125ACRV	ALUMINIUM	30.59	33.10	848 (625)	3500	4400
CP2125CRV	STEEL	27.97				
CP2125AORA	ALUMINIUM	30.92	33.44	532 (392)	2400	3300
CP2125ORA	STEEL	28.01				
CP2125AGRN	ALUMINIUM	29.97	32.48	327 (241)	1600	2200
CP2125GRN	STEEL	27.07				
CP2125AGRY	ALUMINIUM	30.62	33.14	568 (418)	3000	3900
CP2125GRY	STEEL	27.91				

ASSMBLEY INERTIA			
CLUTCH TYPE	COMPLETE ASSY. WEIGHT INC. D/P'S.	COMPLETE ASSY. INERTIA INC. D/P'S.	D/P AND HUB INERTIA
3 PADDLE			
STEEL COVER	4.15 kg	0.025 kgm²	0.0037 kgm²
ALUMINIUM COVER	3.85 kg	0.023 kgm²	
4 PADDLE			
STEEL COVER	4.70 kg	0.026 kgm²	0.0040 kgm²
ALUMINIUM COVER	4.40 kg	0.024 kgm²	
6 PADDLE			
STEEL COVER	4.22 kg	0.025 kgm²	0.0038 kgm²
ALUMINIUM COVER	3.92 kg	0.023 kgm²	

SCALE 1:1	SHEET 1 OF 1
DRAWN	Alex Bennitt
APPROVED	
DERIVED FROM	CP2125-1 (MEDUSA)

TITLE
Ø7.25" (Ø184.00mm) TWIN PLATE CLUTCH ASSEMBLY

DRG NO. CP2125-1CD