

# A1 INSTALLATION DRAWING

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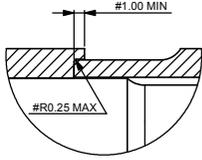


AP Racing  
Wheler Road  
Coventry  
CV3 4LB

Tel: +44 (0) 24 7663 9595  
Fax: +44 (0) 24 7663 9559  
e-mail: [engineering@apracings.co.uk](mailto:engineering@apracings.co.uk)  
Web site: <http://www.apracings.com>

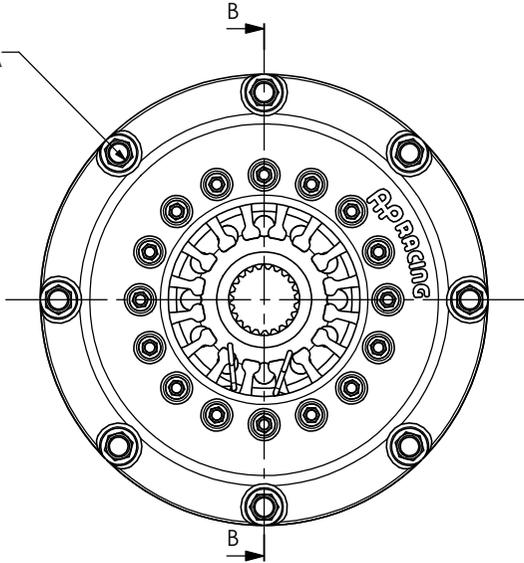
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Issue No.	Date & No.	Alterations		Zone	Initials
		Particulars	#		
1	15/03/99 C1248	FIRST ISSUE			RG
2	28/07/10 C3901	TORQUE CAPACITY CHANGED FROM 504Nm AND 371Nm TO 398Nm and 314Nm			AB



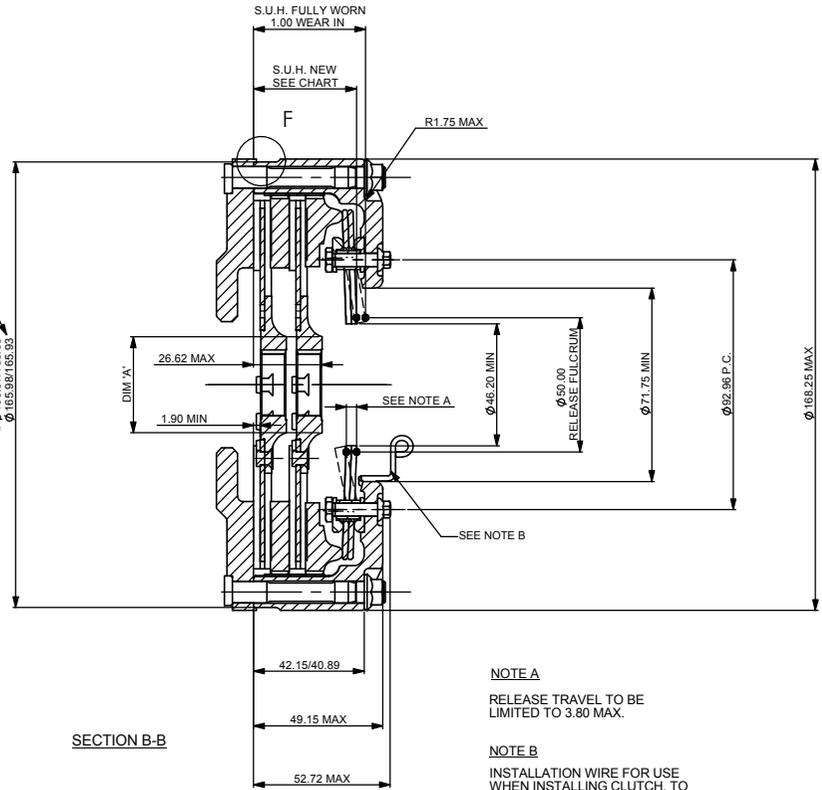
DETAIL F SCALE 4 : 1

MOUNTING HOLES,  
8 HOLES Ø8.15/8.05  
EQUISPACED ON A  
Ø154.45 P.C.  
MINI CIRCLE Ø17.22  
± Ø 0.05



THE CLUTCH SPIGOT IS DESIGNED TO BE THIS DIAMETER WHEN BOLTED TO THE INSTALLATION WIRE IN PLACE. THIS DIA. MAY BE SLIGHTLY REDUCED.

Ø 168.07/165.03  
Ø 165.98/165.93



SECTION B-B

NOTE A  
RELEASE TRAVEL TO BE LIMITED TO 3.80 MAX.

NOTE B  
INSTALLATION WIRE FOR USE WHEN INSTALLING CLUTCH, TO ENSURE EASY FITMENT OF COVER. THIS WIRE MUST BE REMOVED BEFORE USE.

**RECOMMENDED RELEASE BEARING :-**  
STEEL CAGED, ROUND NOSED BALL TYPE BEARING TO BE FREE OF SPRING FINGERS WHEN CLUTCH IS FULLY ENGAGED.  
CP3457-1 STANDARD RELEASE BEARING (OUTER RACE ROTATES)  
CP3457-5 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 1.00mm 'WEAR IN' MINIMUM.  
DRIVEN PLATE THICKNESS NEW: 6.25 NOM  
DRIVEN PLATE THICKNESS WORN: 5.71 MIN

**FACING MATERIAL**  
CP4581 DRIVEN PLATES CARRY AP RACING'S HIGH PERFORMANCE FRICTION MATERIAL IN A NEW SINTERED 3 PADDLE CONFIGURATION. THIS COMBINING EXCELLENT PERFORMANCE AND LOW WEAR WITH REDUCED INERTIA.

DRIVEN PLATES		
SPLINE SIZE	BACK TO BACK TYPE PART NO'S	DIM 'A'
1"5/32" X 26	CP4581-3	35.65
1" X 23	CP4581-4	35.65
7/8" X 20	CP4581-5	27.85
29.0 X 10	CP4581-6	35.65

CLUTCH ASSY PART No.	SET UP HEIGHT		RECOMMENDED MAX. DYNAMIC TORQUE CAPACITY Nm (lb.ft)	RELEASE LOAD (daN)		COMPLETE ASSY. WEIGHT INC D/PLTS.	COMPLETE ASSY. INERTIA INC D/PLTS.	D/PLATE AND HUB INERTIA
	NEW	MAX WORN		MAX. PEAK WORN	AT TRAVEL			
CP6092ACRV	39.37	42.01	398 (294)	450	300	3.30 kg	0.01155 kg.m <sup>2</sup>	0.00180 kg.m <sup>2</sup>
	37.91	(1.00mm WEAR IN)						
CP6092AORA	39.11	41.75	298 (220)	375	250	3.30 kg	0.01155 kg.m <sup>2</sup>	0.00180 kg.m <sup>2</sup>
	37.65	(1.00mm WEAR IN)						

SCALE 1:1	SHEET 1 OF 1
DRAWN	RICHARD GOSTICK
APPROVED	
DERIVED FROM	
TITLE 5.5" SINTERED CLUTCH INSTALLATION DRAWING	
DRG NO.	CP6092-1CD