Coventry

CV3 4LB

Alterations

Particulars

Tel: +44 (0) 24 7663 9595 Fax: +44 (0) 24 7663 9559 e-mail: engineering@apracing.co

Web site: http://www.apracing.com

O VO

RAGING

© AP Racing Ltd. 2005

15/11/10 FIRST ISSUE C3974

2 20/02/19 SHEET 3
C5206\_05 CP8405-A036H
WAS CP7972-A036H
CP8401-A008 & A029
DRIVE PLATES DELETED
PICTORIAL UPDATE OF
6 PADLE DRIVE PLATE

لىسا

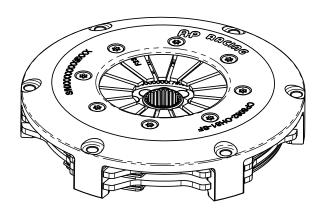
Date & No.

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



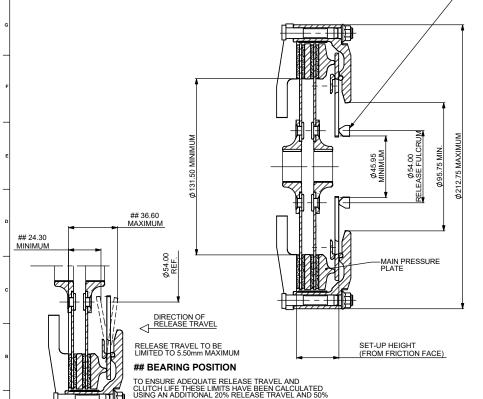
THIS DRAWING IS CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT SHALL NOT BE LOANED OR COPIED OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF AP RACING LTD.

CP8082, Ø184mm (7.25") CERAMETALLIC CLUTCH ASSEMBLY



## 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).—



MORE WEAR IN THAN SPECIFIED.

THESE FIGURES COVER THE FULL RANGE OF CLUTCHES IN THE CP7972 FAMILY.

CP8	082 C	LUTC	H FAN	<b>/ILY</b>		
MAXIMUM DYNAMIC TORQ	UE CAPAC	CITY				
(Nm)	636				827	
(ft.lb)	469				610	
RELEASE LOAD						
Max. Peak New (N)	3500				3500	
Max. Peak Worn (N)	4400				4400	
WEAR IN (See Note)	0.75				0.75	
Set Up Height New	32.27 30.52				33.11 30.16	
Set Up Height Worn - MAX	34.78				35.19	
(Set Up Height is caluclated		wheel fricti	on face.)	,		
Release Ratio	3.31	<del>                                     </del>			3.96	
Estimated Assembly Mass (	Inc. 4 pado	lle driven pl	ate) = 3.55	Kg		
Estimated Assembly Inertia	(Inc. 4 pade	dle driven pl	ate) = 0.02	009 Kgm²		
Estimated Driven Plate Inertia	a ( 4 paddl	e driven plaf	te ) = 0.003	567 Kgm²		

PERFORMANCE SUFFIX	СН	ОН	NH	TH	CE	OE
For Reference						
Diaphragm Spring Rate	CRV	ORA	GRN	TGY	CRV	ORA
Clutch Ratio	HiR	HiR	HiR	HiR	EHR	EHR

MATERIAL	DRIVE PLATE	DRIVE PLATE	
SUFFIX	MATERIAL	THICKNESS	
81	CERAMETALLIC	6.00mm	

FLYWHEEL TYPE				
	SUFFIX	COMMENTS		
FLAT FLYWHEEL	FF	N/A		
STEPPED FLYWHEEL	SF	FOR INSTALLATION DATA SEE SHEET 2		

Sample AP Racing Part No.

CP8082-CH81-SF

W	Æ	Α	R	IN	ı

THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,

DRIVEN PLATE THICKNESS NEW: 6.00mm Nominal

DRIVEN PLATE THICKNESS WORN: 5.63mm Minimum Worn

FOR DRIVEN PLATE DETAILS SEE SHEET 3

SCALE 1:1			SHEET 1 OF 3			Г
DRAWN	Jeremy	Govar	ı			
APPROVED						
DERIVED FROM	CP79	972CI	D			В
TITLE						
Ø184mm (7,25") TWIN PLATE						L

**CLUTCH ASSEMBLY** 

CP8082CD

DRG NO.

