

A1 INSTALLATION DRAWING

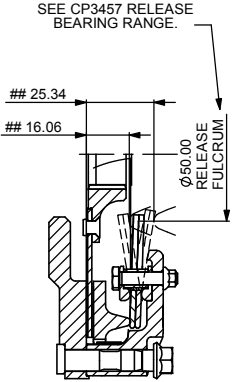
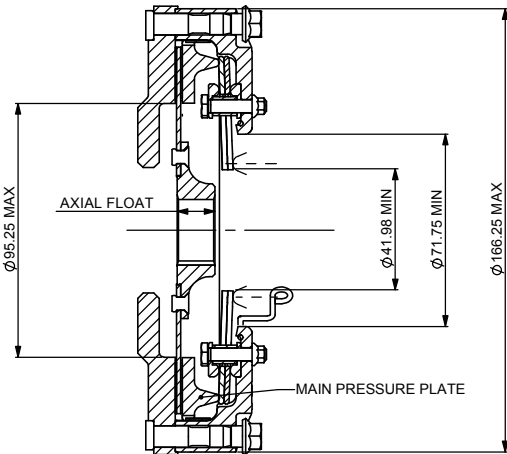
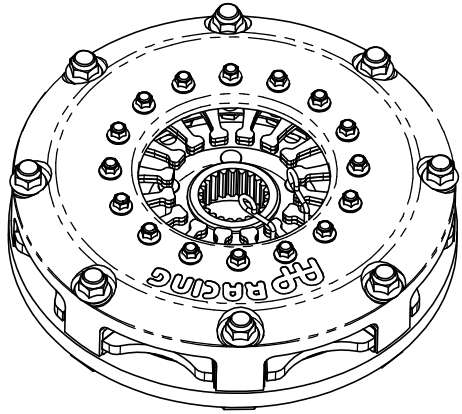
IF THIS DOCUMENT IS PRINTED IN HARD COPY IT IS FOR INFORMATION USE ONLY AND THEREFORE IS NOT SUBJECT TO UPDATING CONTROLS. ALWAYS REFER TO SOLIDWORKS VIEWER FOR LATEST ISSUE



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.

AP RACING
 © AP Racing Ltd. 2002
 AP Racing
 Wheler Road
 Coventry
 CV3 4LB
 Tel: +44 024 7663 9595 e-mail: sales@ap racing.co.uk
 Fax: +44 024 7663 9559 Web site: HTTP://www.ap racing.com

CP6001 Ø140mm (5.5") SINTERED CLUTCH ASSEMBLY



DIRECTION OF RELEASE TRAVEL

RELEASE TRAVEL TO BE LIMITED TO 3.80mm MAXIMUM

BEARING POSITION

TO ENSURE ADEQUATE RELEASE TRAVEL AND CLUTCH LIFE THESE LIMITS HAVE BEEN CALCULATED USING AN ADDITIONAL 20% RELEASE TRAVEL AND 50% MORE WEAR IN THAN SPECIFIED.

THESE FIGURES COVER THE FULL RANGE OF CLUTCHES IN THE CP6001 FAMILY.

CP6001 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY			
(Nm)	210	157	
(ft.lb)	155	116	
RELEASE LOAD			
Max. Peak Worn (N)	4500	3750	
At Travel (N)	3000	2500	
WEAR IN (See Note)			
	0.75	0.75	
Set Up Height New - NOM	21.63	21.37	
Set Up Height Worn - MAX	24.35	24.13	
(Set Up Height is calculated from the flywheel friction face.)			
Release Ratio	2.64	2.64	
Estimated Assembly Mass (inc. Drive Plates) = 1.80 Kg			
Estimated Assembly Inertia (inc. Drive Plates) = 0.00615 Kgm ²			
Estimated Drive Plate and Hub Inertia = 0.00065 Kgm ²			

PERFORMANCE SUFFIX	CH	OH			
For Reference					
Diaphragm Spring Rate	CRV	ORA			
Clutch Ratio	HIR	HIR			

MATERIAL SUFFIX	DRIVE PLATE MATERIAL	DRIVE PLATE THICKNESS
90	SINTERED	2.63mm

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

Sample AP Racing Part No. **CP6001-CH90-SF**

WEAR IN
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,
DRIVEN PLATE THICKNESS NEW: 2.63mm MIN
DRIVEN PLATE THICKNESS WORN: 1.84mm MIN

DRIVEN PLATES AVAILABLE WITH THE FOLLOWING SPLINE SIZES	
SPLINE	PART No.
1"X23T	CP3407-36FM3
7/8" x 20T	CP3407-26FM3
1 5/32" x 26T	CP3407-40FM3
29.0 x10T	CP3407-8FM3
1 1/8" x10T	CP3407-4FM3

Issue No	Alterations		Zone	Initials
	Date & No.	Particulars		
1	13-02-03 C2162	FIRST ISSUE	#	ROO
2	13-03-03	SUH'S CORRECTED BRG PART NO. CORRECTED	#	ROO
3	28/07/10 C3901	TORQUE CAPACITY CHANGED FROM 252Nm AND 186Nm TO 210Nm AND 157Nm	#	AB

SCALE 1:1 SHEET 1 OF 2

DRAWN RICHARD GOSTICK

APPROVED

DERIVED FROM

TITLE
 Ø140mm SINGLE PLATE SINTERED CLUTCH ASSEMBLY

DRG No. cp6001cd

