

A1 INSTALLATION DRAWING

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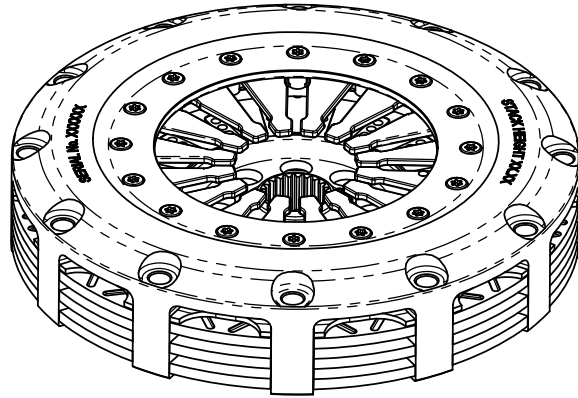


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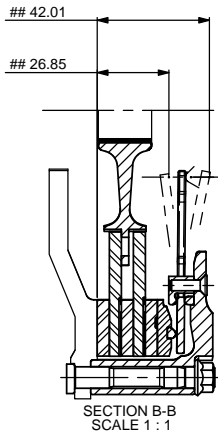
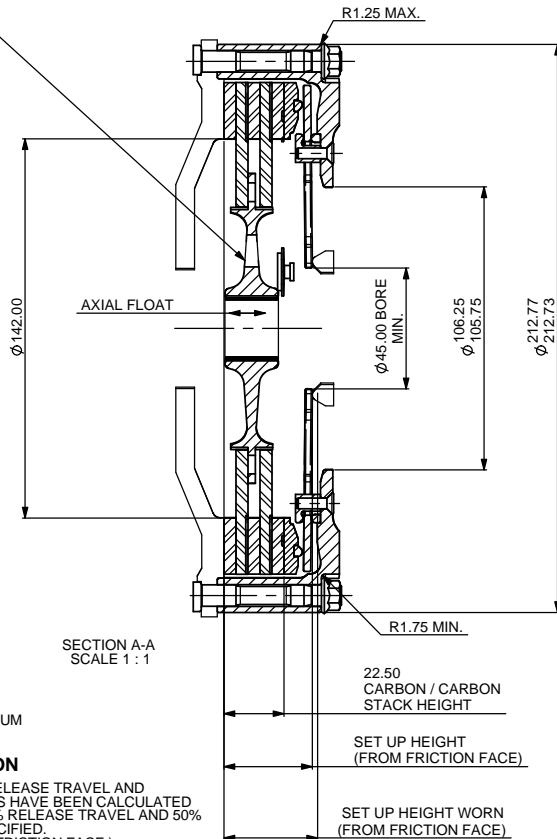
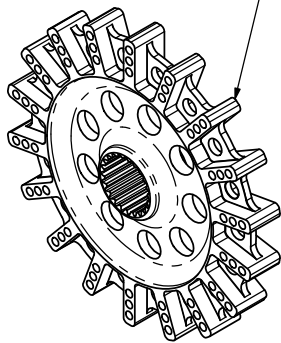
CP8039 Ø184mm (7.25") CARBON / CARBON CLUTCH ASSEMBLY INCLUDING AN OPTIONAL CUSHION PRESSURE PLATE SYSTEM (CPS)



HUB PART No. SPLINE
CP7832-120S 1.00" x 23
CP7832-121S 25.5 x 24

HUBS ARE AVAILABLE WITH OTHER SPLINE SIZES. CONTACT AP RACING FOR DETAILS.

FOR HUB ENVELOPE SEE SHEET 2.



CP8039 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY					
(Nm)	742	629			
(ft.lb)	547	463			
RELEASE LOAD					
Max. Peak Worn (N)	4450	4150			
At Travel (N)	3750	2950			
WEAR IN (See Note)		1.25	1.25		
Set Up Height New	33.49	33.24			
Set Up Height Worn	32.06	31.81			
Set Up Height Worn	38.16	37.91			
(Set Up Height is calculated from the flywheel friction face.)					
Release Ratio	3.70	3.70			
Estimated Assembly Mass (Inc. Hub with Steel Main Pressure Plate) = 2.97Kg					
Estimated Assembly Inertia (Inc. Hub with Steel Main Pressure Plate) = 0.017689Kgm²					
Estimated Driven Plate and Hub Inertia = 0.00253Kgm²					
PERFORMANCE SUFFIX	CV	OV			
For Reference					
Diaphragm Spring Rate	CRV	ORA			
Clutch Ratio	VHR	VHR			

MATERIAL SUFFIX	COVER MATERIAL	PRESSURE PLATE MATERIAL	CARBON / CARBON TYPE
01	ALUMINIUM	STEEL	NORMAL DUTY
02	ALUMINIUM	STEEL	HEAVY DUTY
22	ALUMINIUM	STEEL	MEDIUM DUTY

FLYWHEEL TYPE	SUFFIX	COMMENTS
FLAT FLYWHEEL	FN	N/A
STEPPED FLYWHEEL	SN	FOR INSTALLATION DATA SEE SHEET 2
FLAT FLYWHEEL WITH CPS	FP	N/A
STEPPED FLYWHEEL WITH CPS	SP	FOR INSTALLATION DATA SEE SHEET 2

Sample AP Racing Part No. **CP8039-CV02-SP**

WEAR IN
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE, WHICH MUST BE COMPENSATED FOR BY USING PRESSURE PLATE "SHIMS" FROM THE KITS DETAILED BELOW.
THE MAXIMUM CARBON STACK WEAR FOR THIS ASSEMBLY IS 4.00mm

	CV & OV		
STANDARD KIT 0.50 - 2.50 IN 0.50 STEPS	CP8032-8		
INTERMEDIATE KIT 0.25 - 2.75 IN 0.50 STEPS	CP8032-9		

ISSUE No.	Alterations			Zone	Initials
	Date & No.	Particulars	#		
1	08/12/09 C3763	FIRST ISSUE	#		JO
2	13/05/10 C3668	CV:33.49/32.06 was 36.26/34.62 OV:33.24/31.81 was 36.01/34.37	#		JO
3	01/05/12 C4296	HUB CP7832-121S ADDED	#		JO
4	26/09/13	CODE '22' MEDIUM DUTY WAS ALT. HEAVY DUTY	#		JO

SCALE 1:1	SHEET 1 OF 3
DRAWN	Jeremy Govan
APPROVED	
DERIVED FROM	CP8032CD
TITLE	
Ø184mm CARBON / CARBON CLUTCH ASSEMBLY	
DRG NO.	CP8039CD

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(RECOMMENDED FOR CP4702 STUDS)

8 STUD MOUNTING HOLES

Ø8.020/8.005

EQUI-SPACED ON A

Ø200.025 P.C.

12 MOUNTING HOLES Ø8.15/8.05

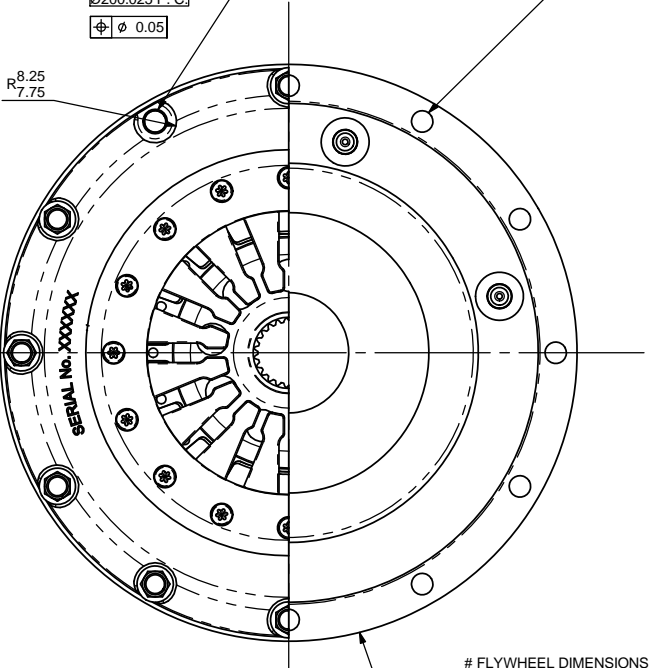
EQUI-SPACED AS SHOWN

Ø200.025 P.C.

± 0.05

R8.25

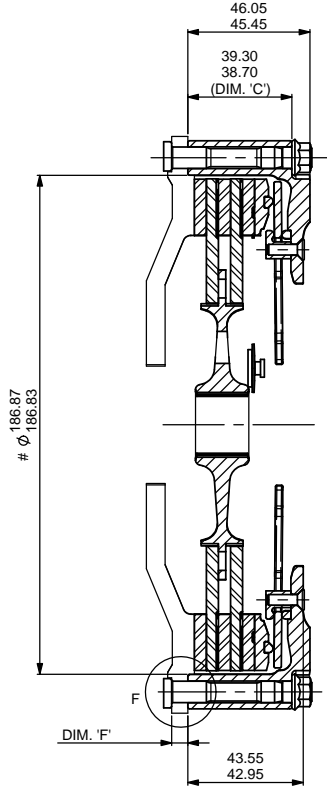
R7.75



FLYWHEEL DIMENSIONS

CUSTOMER FLYWHEEL

STEPPED FLYWHEEL - SUFFIX SN AND SP

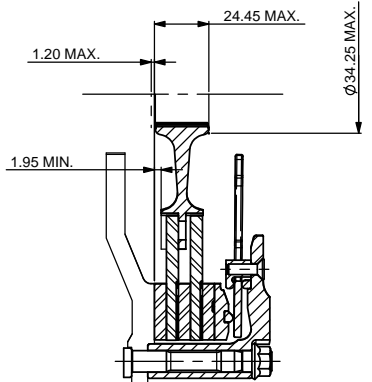


RECOMMENDED CLUTCH MOUNTING :
(FOR ALL TYPES OF ASSEMBLY)
M8 x 1.0, CP4702 FAMILY STUD AND
K-LOCK NUT.
TIGHTENING TORQUE : 19Nm (14 ft.lb)

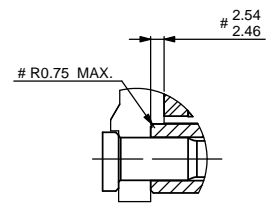
LENGTH OF STUD REQUIRED TO BE
CALCULATED THUS :

STUD LENGTH =
DIMENSIONS 'C' + 'F' + NUT

THIS CALCULATED LENGTH TO BE ROUNDED
UP TO THE NEXT AVAILABLE STANDARD STUD
LENGTH.



HUB ENVELOPE
(FROM FLYWHEEL FRICTION FACE)



DETAIL F
SCALE 2 : 1

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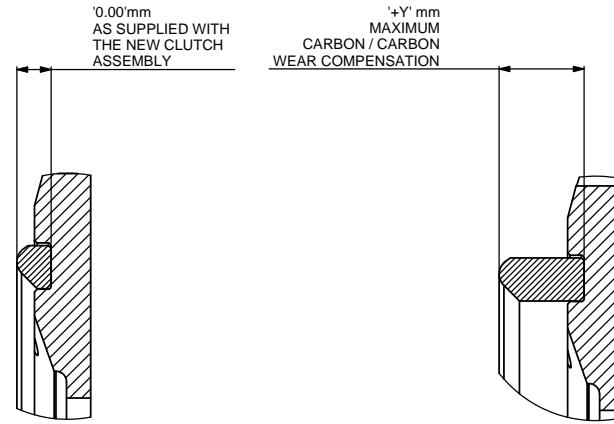
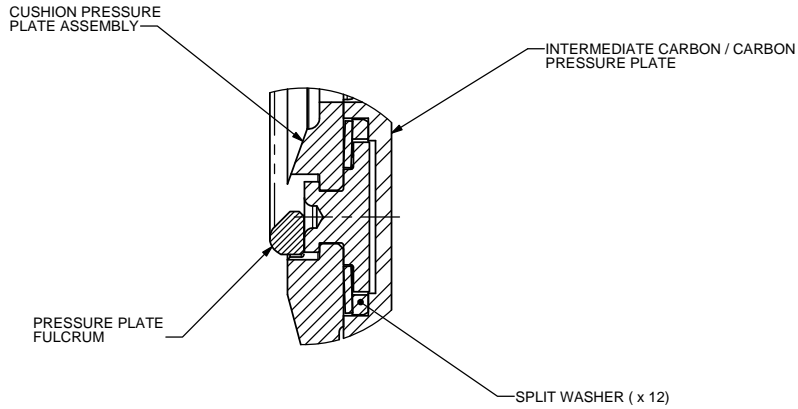
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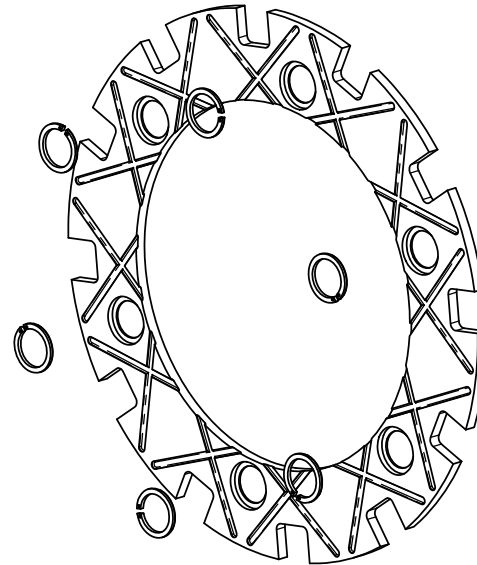
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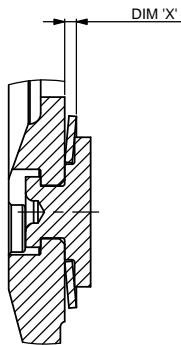
WEAR COMPENSATION IS ACHIEVED BY REPLACING THE PRESSURE PLATE FULCRUM RING AS SHOWN ABOVE. SEE SHEET ONE FOR KIT PART NUMBERS AND INCREMENT DETAILS.

FITTING OF SPLIT WASHERS

COMPRESS THE SPLIT WASHER USING PLIERS AND FIT INTO THE LARGER OF THE RECESSED COUNTER BORES IN THE CARBON / CARBON INTERMEDIATE PRESSURE PLATE, CHAMFER FIRST ENSURE THE SPLIT WASHER ARE FLUSH WITH THE BOTTOM OF THE POCKET



CUSHIONING REPLACEMENT CRITERIA



WITH TIME AND USE THE CUSHIONING EFFECT WILL DETERIORATE AND COMPONENTS SHOULD BE SERVICED WITH THE ABOVE KIT WHEN EITHER THE BELLEVILLES BECOME LOOSE OR WHEN DIMENSION 'X' FALLS BELOW 1.00, TAKEN AS THE AVERAGE OF 4 EQUALLY SPACED MEASUREMENTS AROUND THE CIRCUMFERENCE OF THE BELLEVILLE.

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