

# A1 INSTALLATION DRAWING

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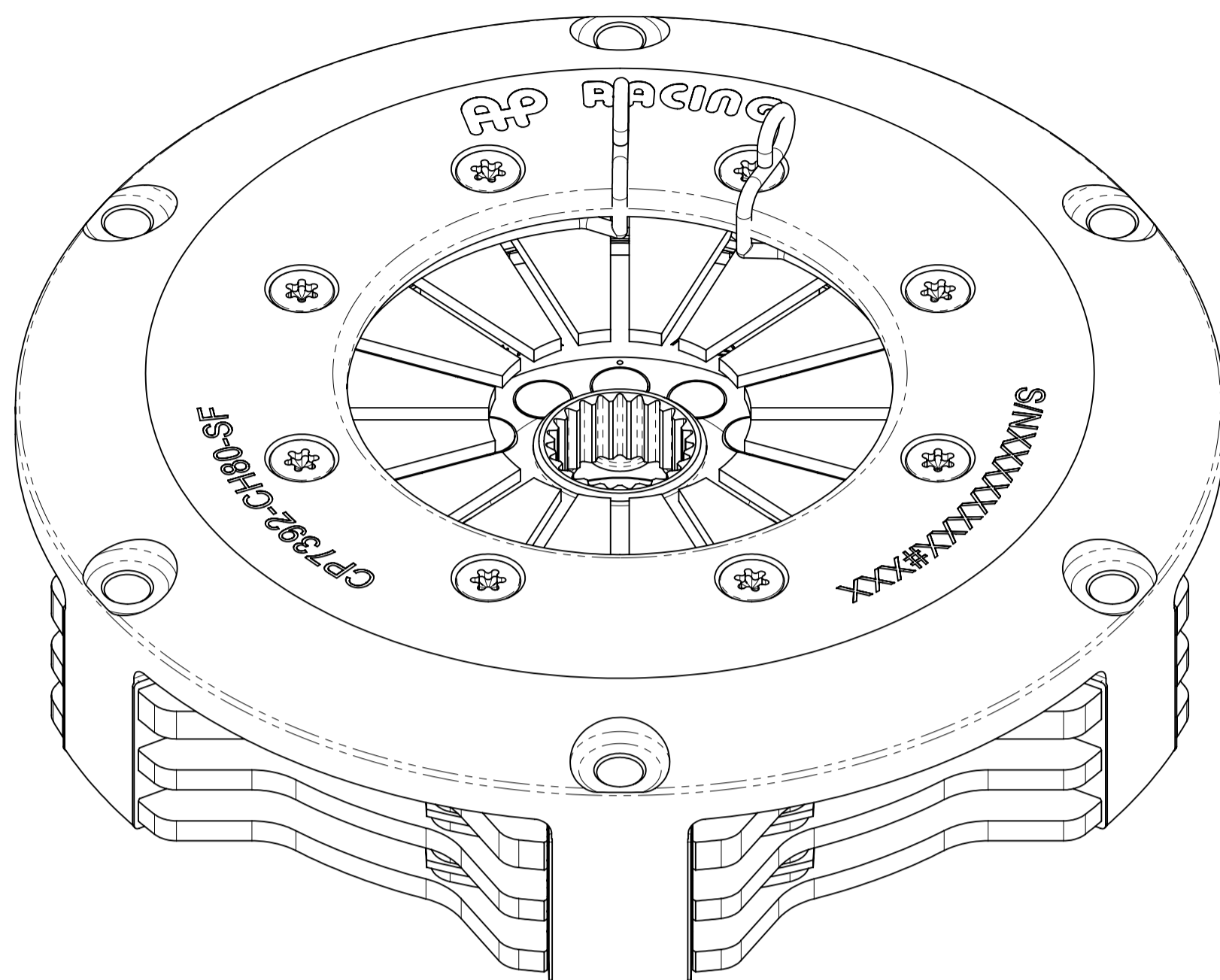


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## CP7392, Ø184mm (7.25") SINTERED CLUTCH ASSEMBLY



### RECOMMENDED RELEASE BEARING :

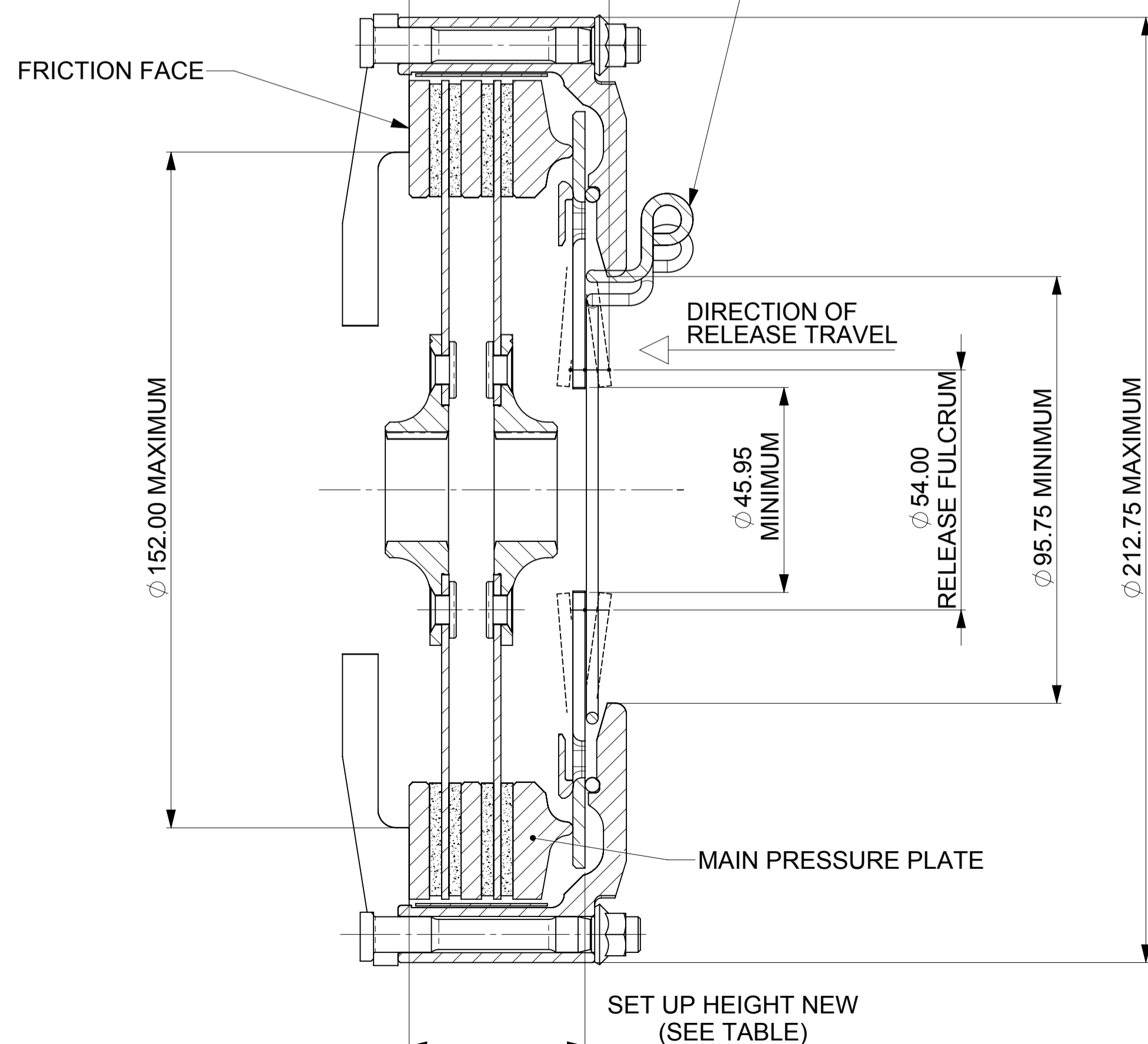
STEEL CAGED, ROUND NOSED BALL TYPE BEARING TO BE FREE OF SPRING FINGERS WHEN CLUTCH IS FULLY ENGAGED.

CP3457-2 STANDARD RELEASE BEARING (OUTER RACE ROTATES)  
CP3457-6 HIGH SPEED RELEASE BEARING (INNER RACE ROTATES).

RELEASE TRAVEL TO BE LIMITED TO 5.50mm MAXIMUM

SET UP HEIGHT  
WORN MAXIMUM  
(SEE TABLE)

INSTALLATION WIRE FOR USE WHEN  
INSTALLING CLUTCH TO ENSURE FLYWHEEL  
SIDE PRESSURE PLATE IS LOCATED ON THE  
COVER LUGS.  
**THIS WIRE MUST BE REMOVED BEFORE USE**



## CP7392 CLUTCH FAMILY

MAXIMUM DYNAMIC TORQUE CAPACITY			
(Nm)	644	426	266
(ft.lb)	475	314	196
RELEASE LOAD			
Max. Peak New (N)	3500	2400	1600
Max. Peak Worn (N)	4400	3300	2200
WEAR IN (See Note)			
	0.75	0.75	0.75
Set Up Height New	41.65	42.30	41.56
	39.11	39.76	39.02
Set Up Height Worn - MAX	44.32	44.98	44.23
(Set Up Height is calculated from the flywheel friction face.)			
Release Ratio	3.42	3.42	3.42
Estimated Assembly Mass (Excluding Driven Plates) = 3.37 Kg			
Estimated Assembly Inertia (Excluding Driven Plates) = 0.0222 Kgm <sup>2</sup>			
Estimated Driven Plate Inertia - See Sheet 2			

PERFORMANCE SUFFIX	CH	OH	NH
For Reference			
Diaphragm Spring Rate	CRV	ORA	GRN
Clutch Ratio	HiR	HiR	HiR

MATERIAL SUFFIX	DRIVE PLATE MATERIAL	DRIVE PLATE THICKNESS
80	CERAMETALLIC	7.11mm

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

Sample AP Racing Part No. **CP7392-CH80-SF**

WEAR IN
THIS CLUTCH HAS BEEN DESIGNED FOR THE WEAR IN INDICATED ABOVE,
DRIVEN PLATE THICKNESS NEW: 7.11mm NOMINAL
DRIVEN PLATE THICKNESS WORN: 6.74mm MIN

DRIVEN PLATES - SEE SHEET 2				
TYPICAL DRIVEN PLATE SIZES - CONTACT AP RACING FOR OTHERS AVAILABLE				
SPLINE	3 PADDLE (CP8300 TYPE)	4 PADDLE (CP8400 TYPE)	6 PADDLE (CP8600 TYPE)	ORGANIC (CP5386 TYPE)
1" X 23T	CP8300-A036H	CP8400-A036H	CP8600-A036H	CP5386-10
7/8" x 20T	CP8300-A026	CP8400-A026	CP8600-A026	CP5386-12
1 5/32" x 26T	CP8300-A040	CP8400-A040	CP8600-A040	N/A
29.0 x10T	CP8300-A008	CP8400-A008	CP8600-A008	CP5386-15

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
		FOR ALL ISSUE RECORDS PRE SEE ARCHIVE COPY	#	13
4	07/10/14 C4778	DRAWING UPDATED TO CURRENT STANDARD  <b>SUH CHANGES</b> (AS NOW MEASURED FROM FRICTION FACE NOT FLYWHEEL STEP) CH ASSEMBLY: 41.65 WAS 44.66, 39.11 WAS 41.55, 44.32 WAS 47.67 OH ASSEMBLY: 42.30 WAS 45.41, 39.76 WAS 42.27, 44.98 WAS 48.43 NH ASSEMBLY: 41.56 WAS 45.20, 39.02 WAS 42.09, 44.23 WAS 48.21.	#	DCB
5	26/07/19	PICTORIAL UPDATE TO DRIVEN PLATES	#	BJP

SCALE 1:1	SHEET 1 OF 2
DRAWN	DAVID CONSTABLE-BERRY
APPROVED	
DERIVED FROM	CP7972
TITLE	Ø184 (7.25") TWIN PLATE CLUTCH INSTALLATION
DRG NO.	CP7392-1CD



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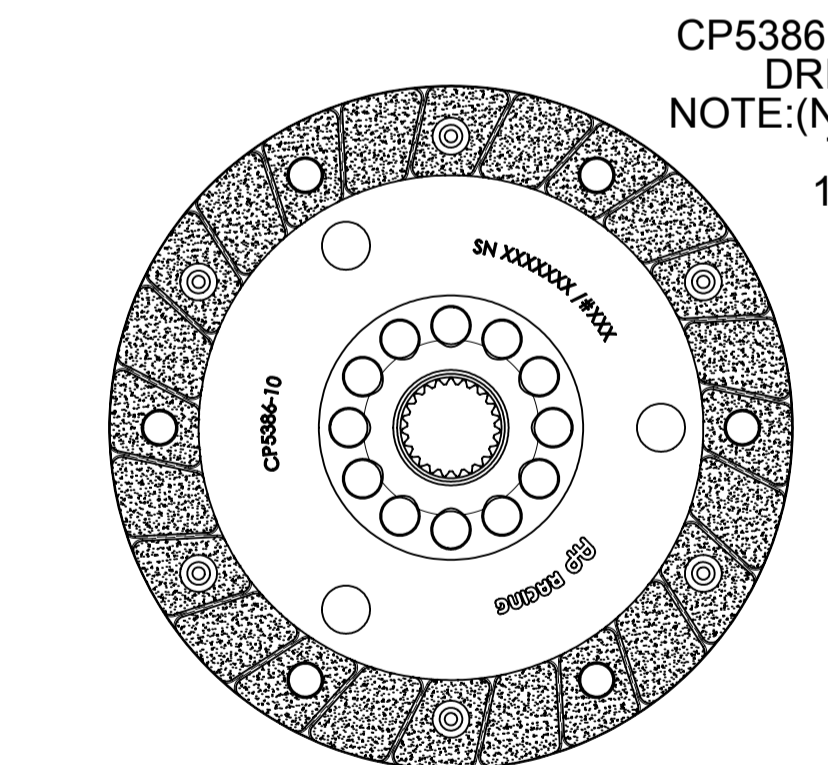
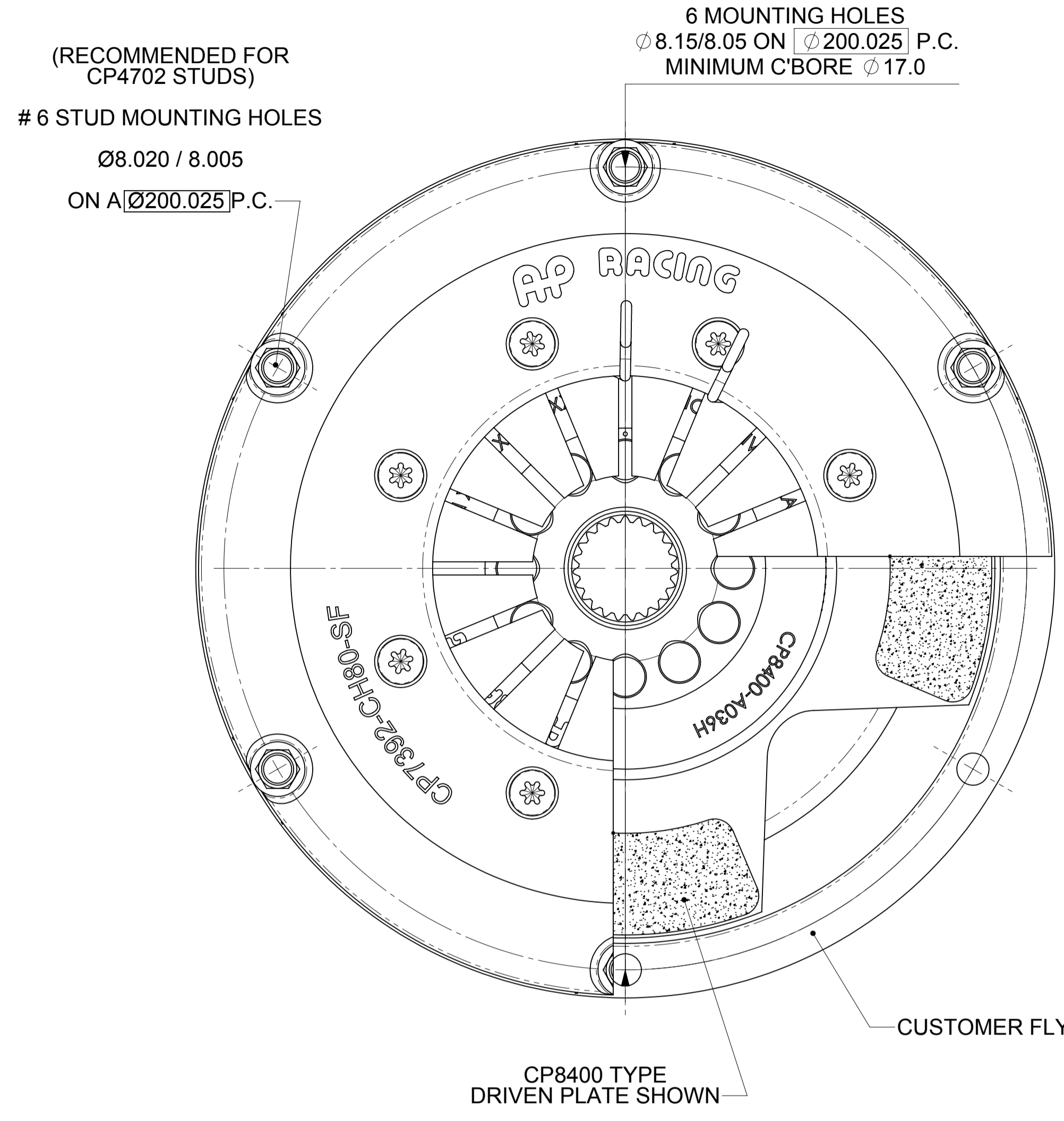
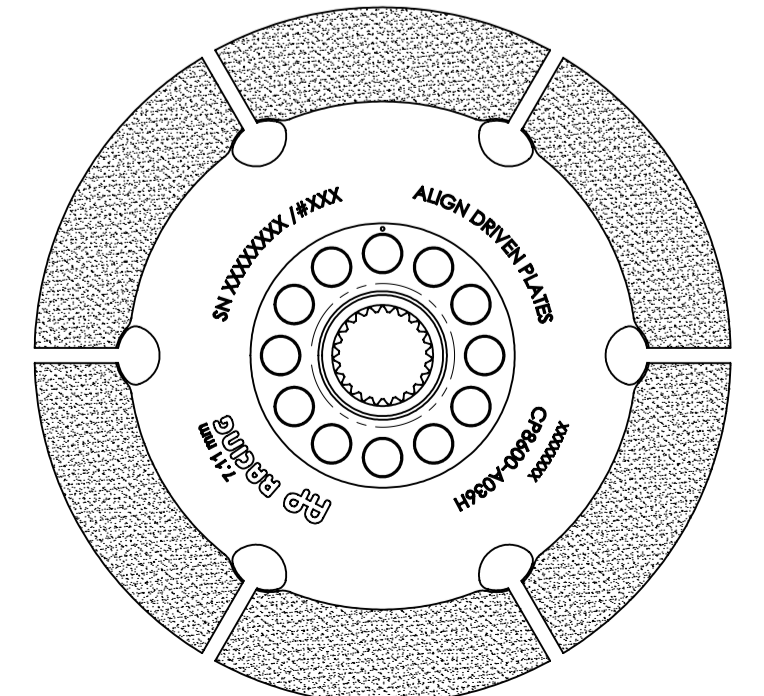
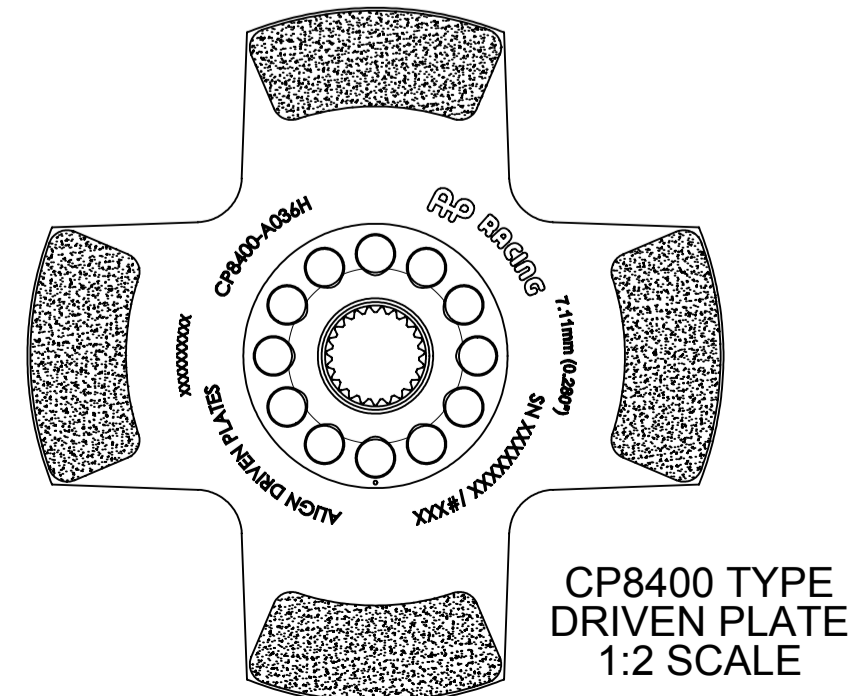
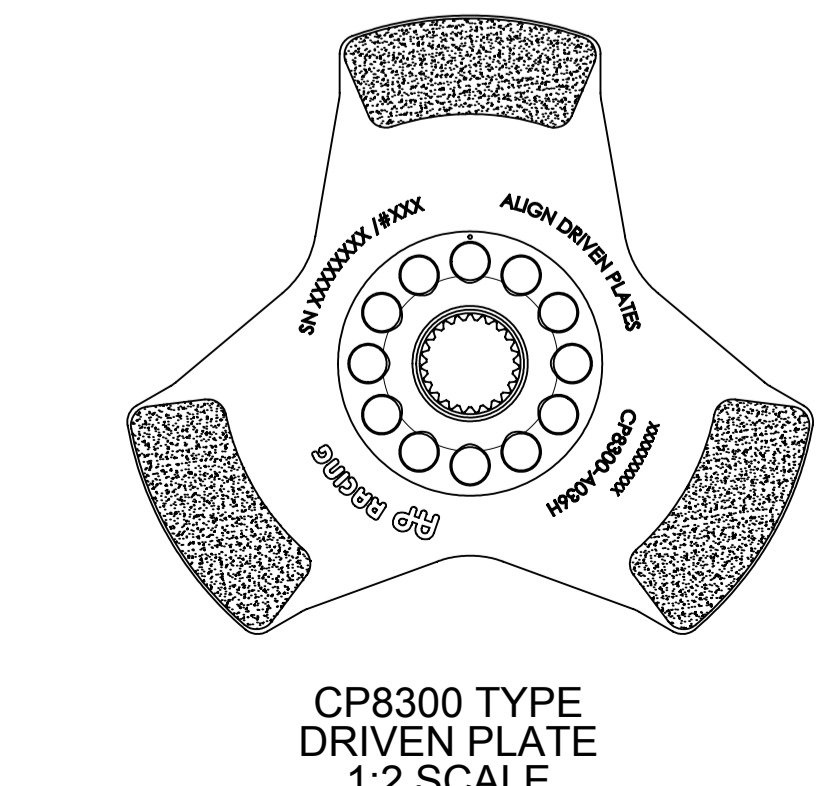


PLATE TYPE	TYPICAL ASSEMBLY MASS	TYPICAL ASSEMBLY INERTIA
CP8300	0.906kg	0.0032kg/m <sup>2</sup>
CP8400	1.048kg	0.0040kg/m <sup>2</sup>
CP8600	1.339kg	0.0058kg/m <sup>2</sup>
CP5386	1.164kg	0.0046kg/m <sup>2</sup>

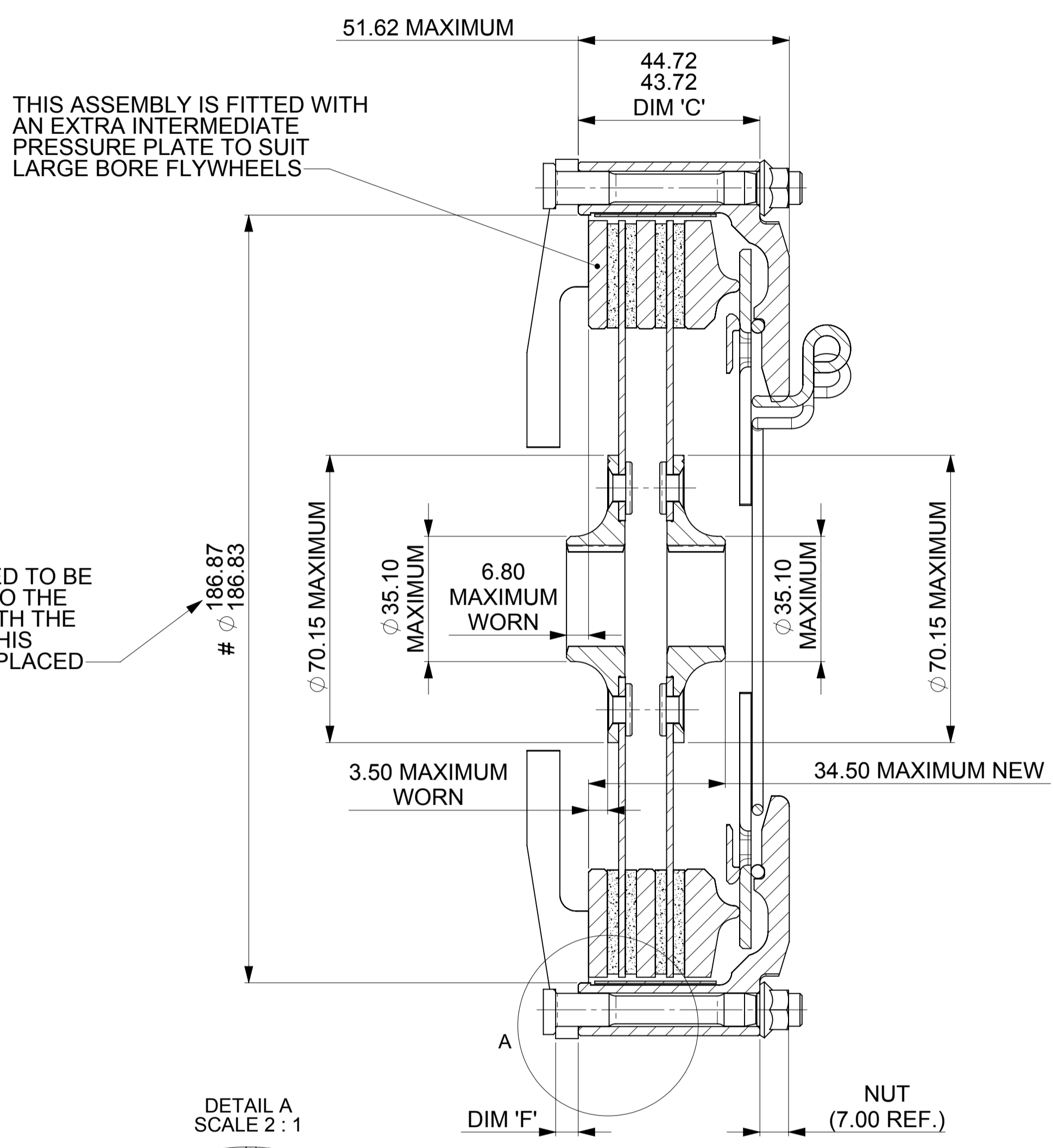
VALUES ARE FOR 2 DRIVEN PLATES



## FLYWHEEL DIMENSIONS

### # FLYWHEEL DIMENSIONS

### STEPPED FLYWHEEL SUFFIX -SF



THE CLUTCH SPIGOT IS DESIGNED TO BE THIS DIAMETER WHEN BOLTED TO THE FLYWHEEL. BEFORE FITTING (WITH THE INSTALLATION WIRE IN PLACE) THIS DIAMETER MAY BE SLIGHTLY REPLACED

THIS ASSEMBLY IS FITTED WITH AN EXTRA INTERMEDIATE PRESSURE PLATE TO SUIT LARGE BORE FLYWHEELS

#### 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.

#### 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. RUN OUT AT R77.2, ≤0.08 WHEN ASSEMBLED TO CRANKSHAFT.

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
-	-	SEE SHEET 1 FOR ISSUE INFORMATION.	-	-

SCALE 1:1	SHEET 2 OF 2
DRAWN	DAVID CONSTABLE-BERRY
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