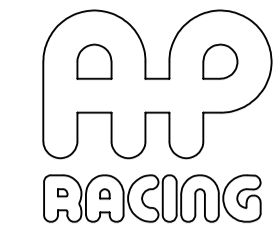


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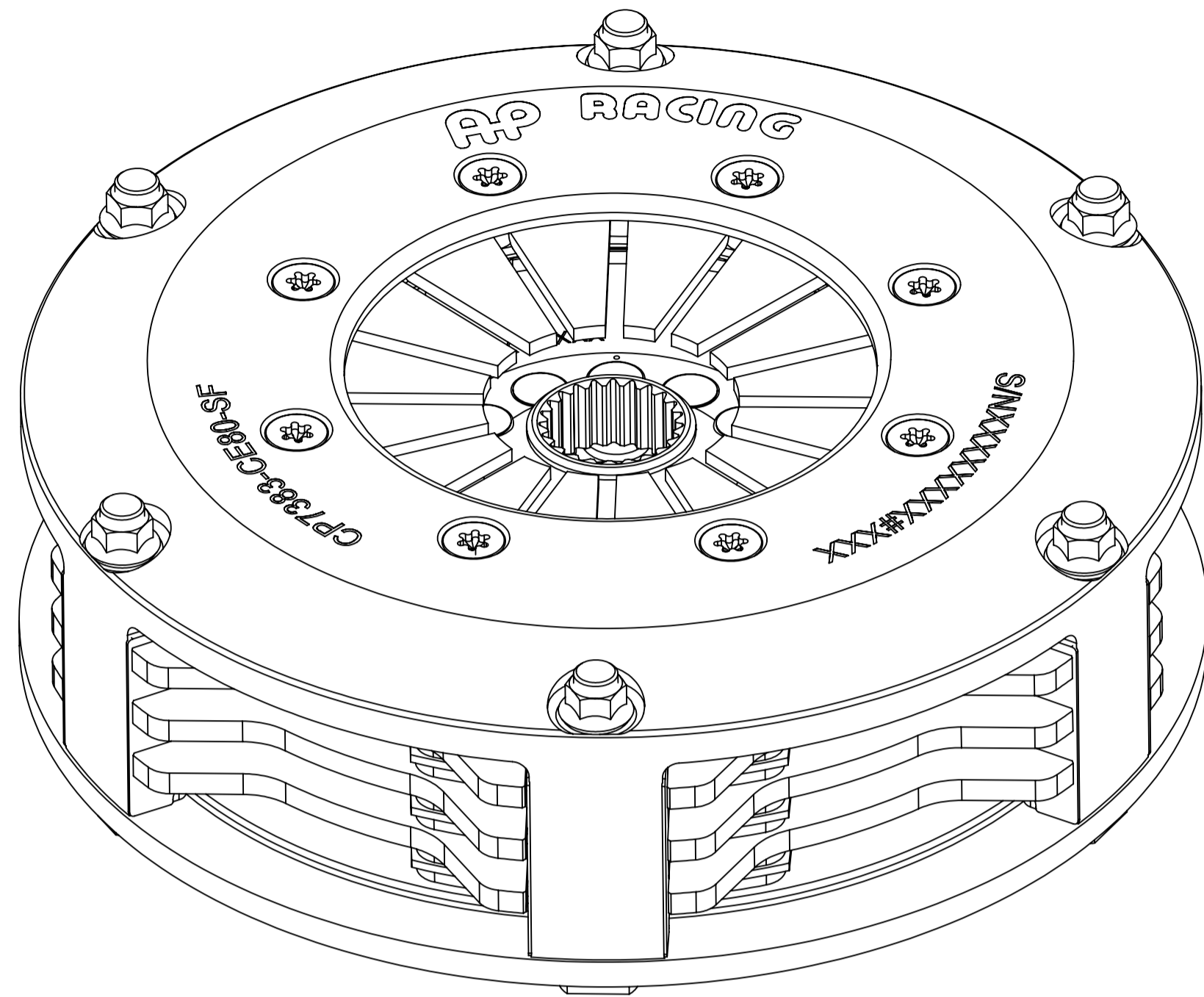


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## CP7383, Ø184mm (7.25") PADDLE CLUTCH ASSEMBLY

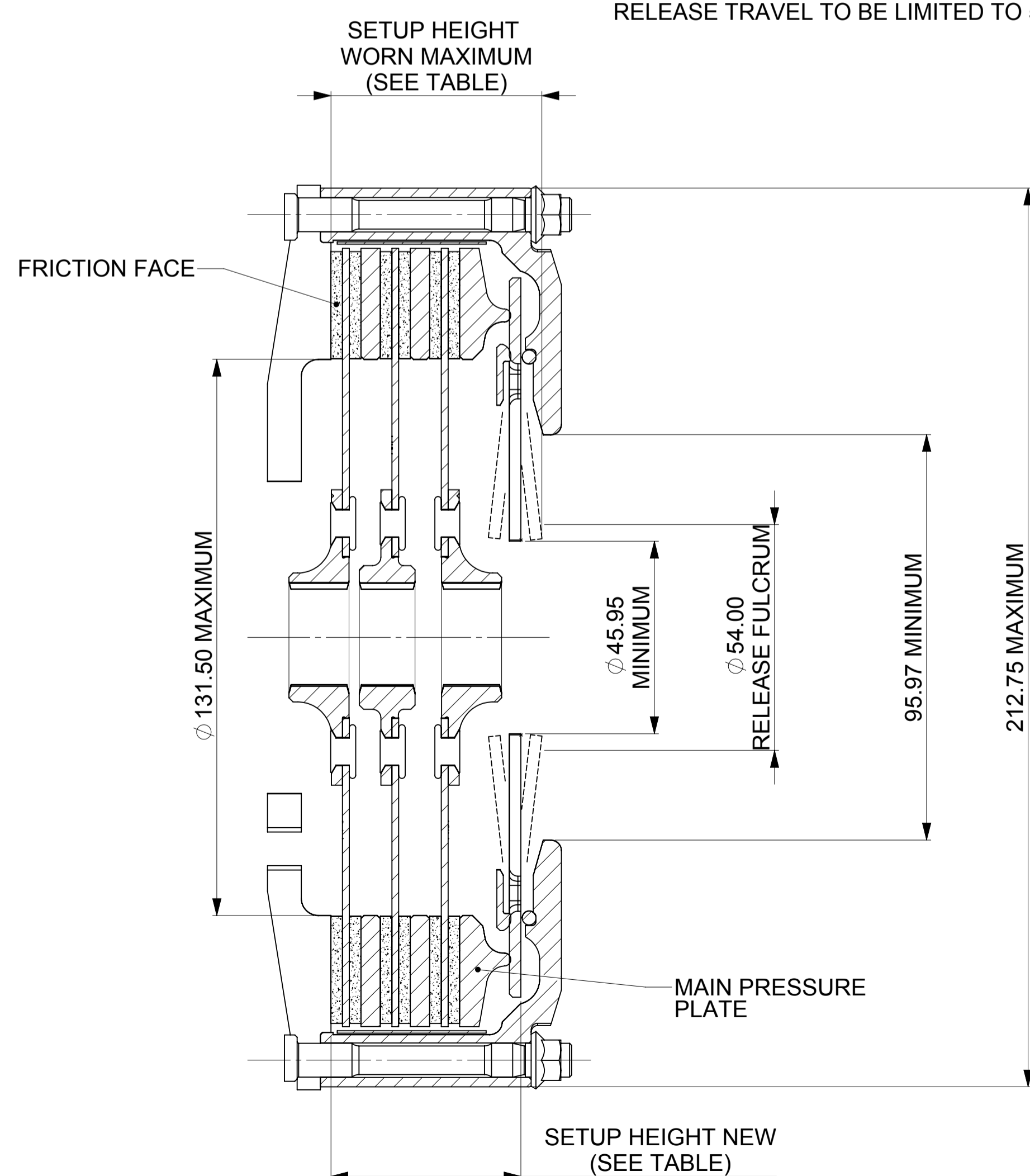


### RECOMMENDED RELEASE BEARING :

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



## CP7383 CLUTCH FAMILY

### MAXIMUM DYNAMIC TORQUE CAPACITY

(Nm)	1508	1257	789	485			
(ft.lb)	1111	926	581	358			

### RELEASE LOAD

Max. Peak New (N)	4000	3500	2400	1600			
Max. Peak Worn (N)	5100	4400	3300	2200			

### WEAR IN (See Note)

	0.75	0.75	0.75	0.75			
--	------	------	------	------	--	--	--

### Set Up Height New

	48.06	47.81	48.60	47.78			
	44.71	44.46	45.22	44.42			

### Set Up Height Worn - MAX

	51.27	51.02	51.81	51.00			
--	-------	-------	-------	-------	--	--	--

(Set Up Height is calculated from the flywheel friction face.)

### Release Ratio

	4.10	4.10	4.10	4.10			
--	------	------	------	------	--	--	--

Estimated Assembly Mass (Excluding Driven Plates) = 3.20 Kg

Estimated Assembly Inertia (Excluding Driven Plates) = 0.0211 Kgm<sup>2</sup>

Estimated Driven Plate Inertia - See Sheet 2

PERFORMANCE SUFFIX	TE	CE	OE	NE			
For Reference							
Diaphragm Spring Rate	TGY	CRV	ORA	GRN			
Clutch Ratio	HER	EHR	EHR	EHR			

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. **CP7383-CE80-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: 6.86mm MIN

### DRIVEN PLATES - SEE SHEET 2

Issue No.	Alterations		Zone	Initials
	Date & No.	Particulars		
01A	06/11/17 C5190	FIRST ISSUE	#	AC

SCALE 1:1 SHEET 1 OF 2

DRAWN AARON COUSINS

APPROVED

DERIVED FROM CP7832

TITLE  
Ø184 (7.25") TRIPLE PLATE  
CLUTCH INSTALLATION

DRG NO. CP7383-1CD

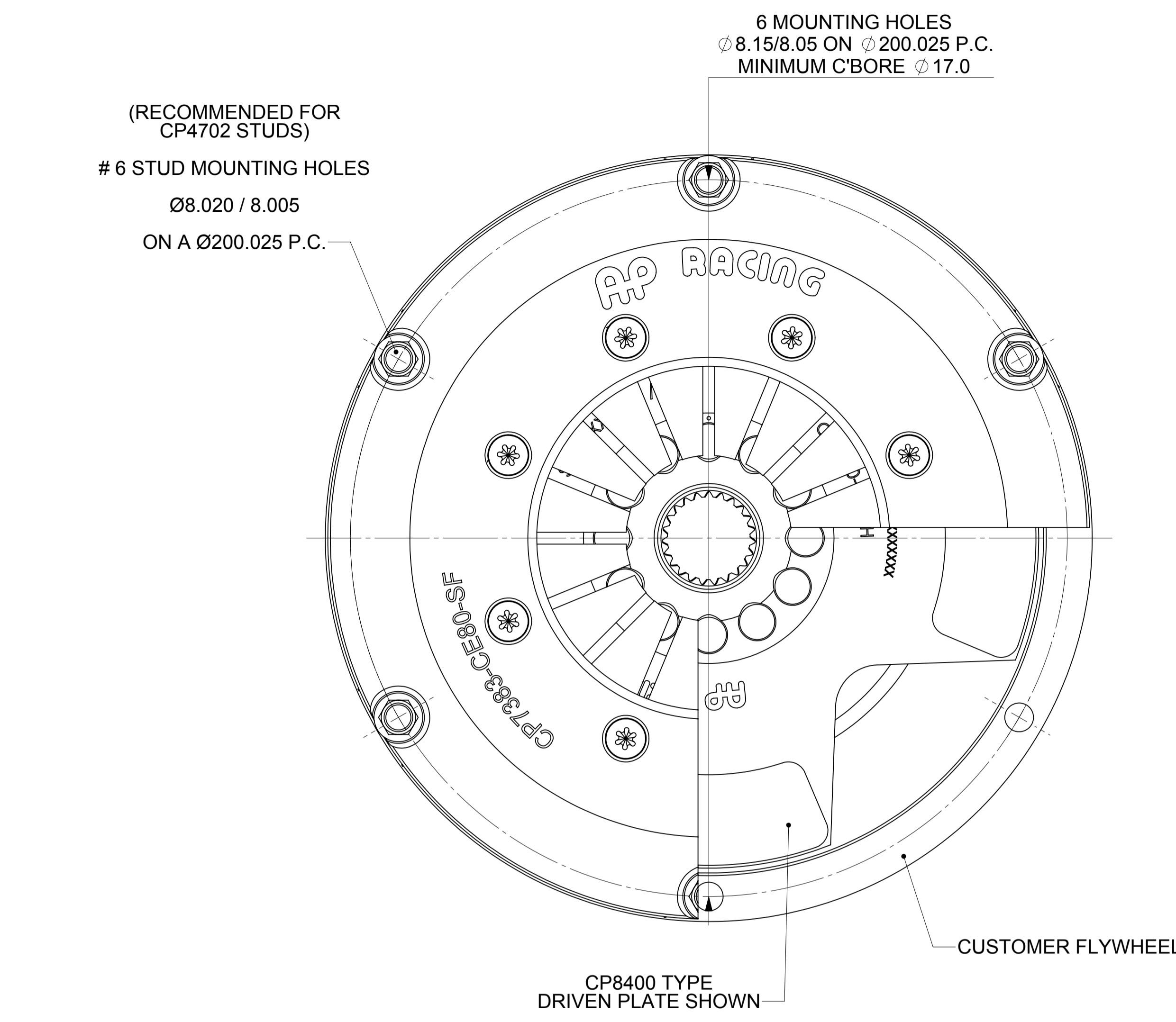
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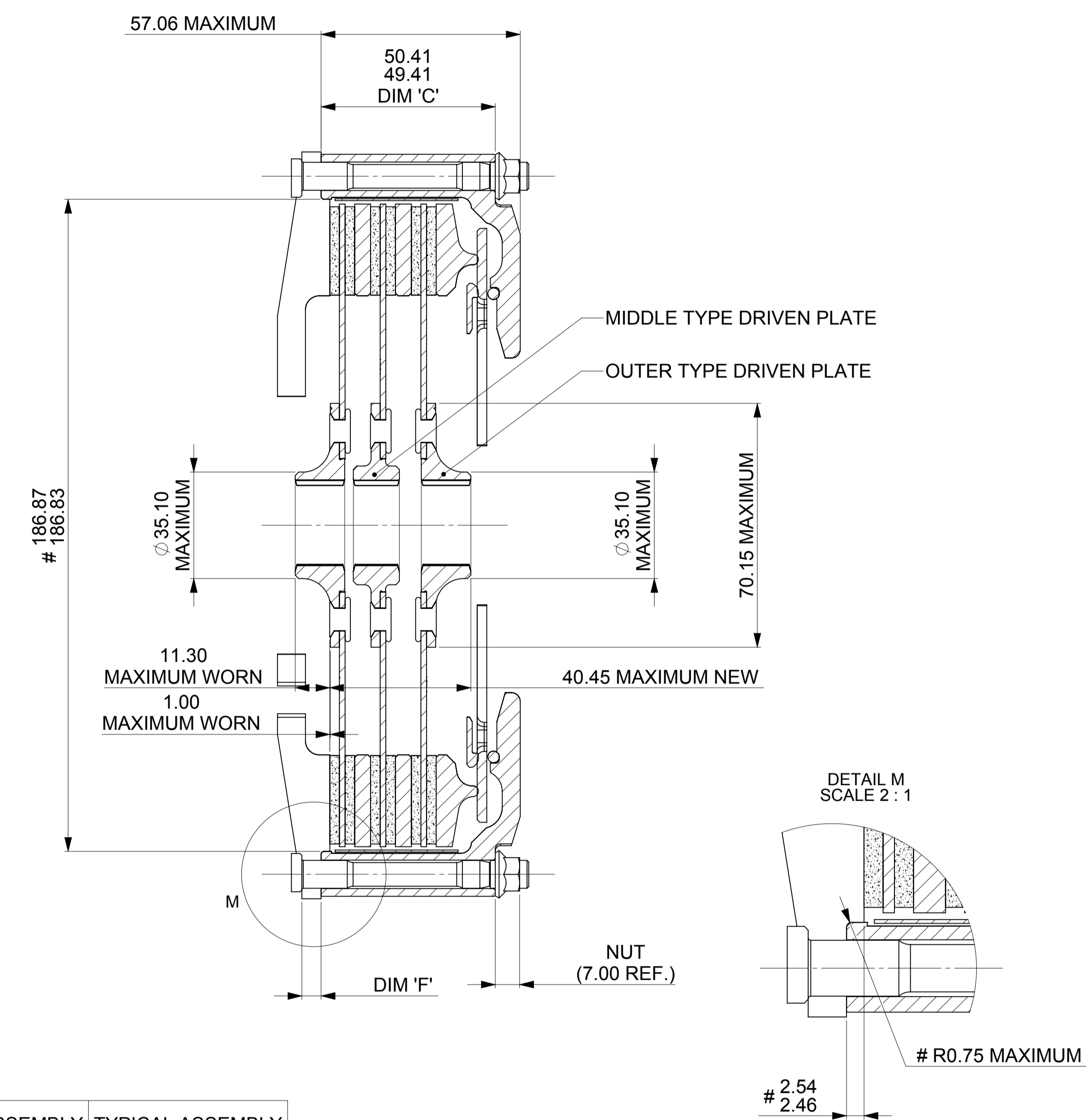
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## FLYWHEEL DIMENSIONS

# FLYWHEEL DIMENSIONS

### STEPPED FLYWHEEL SUFFIX -SF



### TYPICAL DRIVEN PLATE OPTIONS - CONTACT AP RACING FOR OTHER SPLINE SIZES

	PART NUMBER	DETAIL	REQUIRED	SPLINE
4 PADDLE	CP8400-A036H	OUTER TYPE	2	1" x 23T
	CP8400-K036H	MIDDLE TYPE	1	1" x 23T
6 PADDLE	CP8600-A036H	OUTER TYPE	2	1" x 23T
	CP8600-K036H	MIDDLE TYPE	1	1" x 23T
ORGANIC	CP5386-10	OUTER TYPE	2	1" x 23T
	CP5386-K036H	MIDDLE TYPE	1	1" x 23T

PLATE TYPE	TYPICAL ASSEMBLY MASS	TYPICAL ASSEMBLY INERTIA
CP8400	1.572kg	0.0059kg/m <sup>2</sup>
CP8600	2.008kg	0.0087kg/m <sup>2</sup>
CP5386	1.746kg	0.0069kg/m <sup>2</sup>

VALUES ARE FOR 3 DRIVEN PLATES

#### 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)

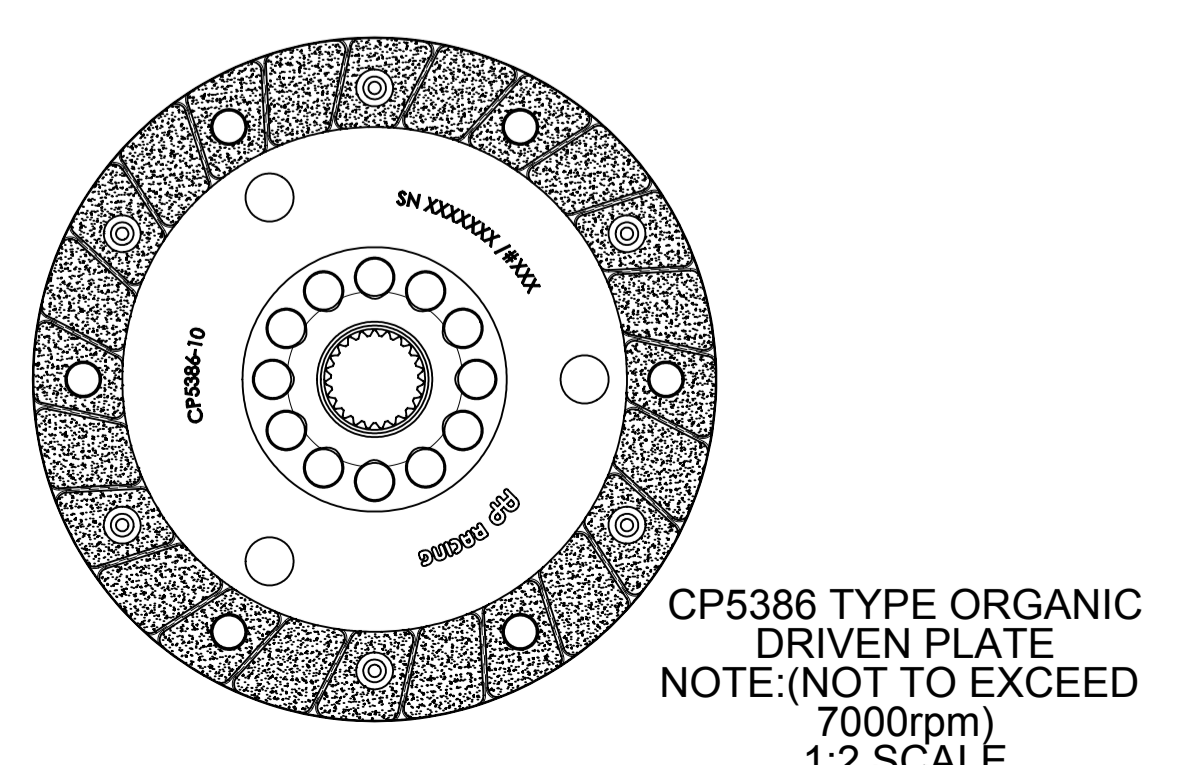
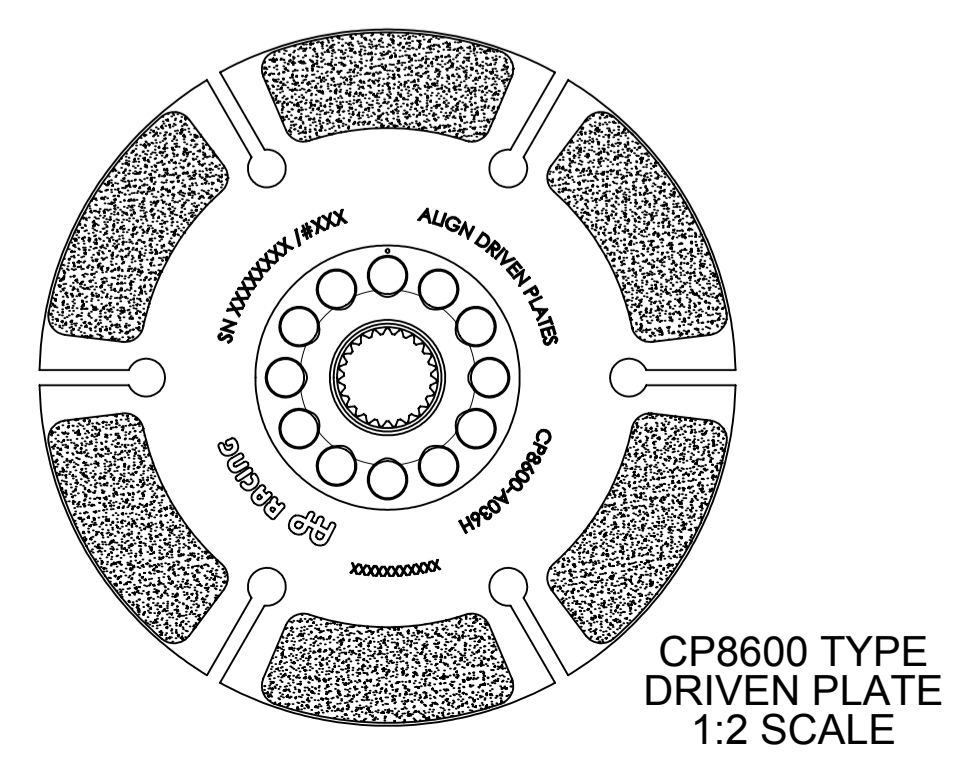
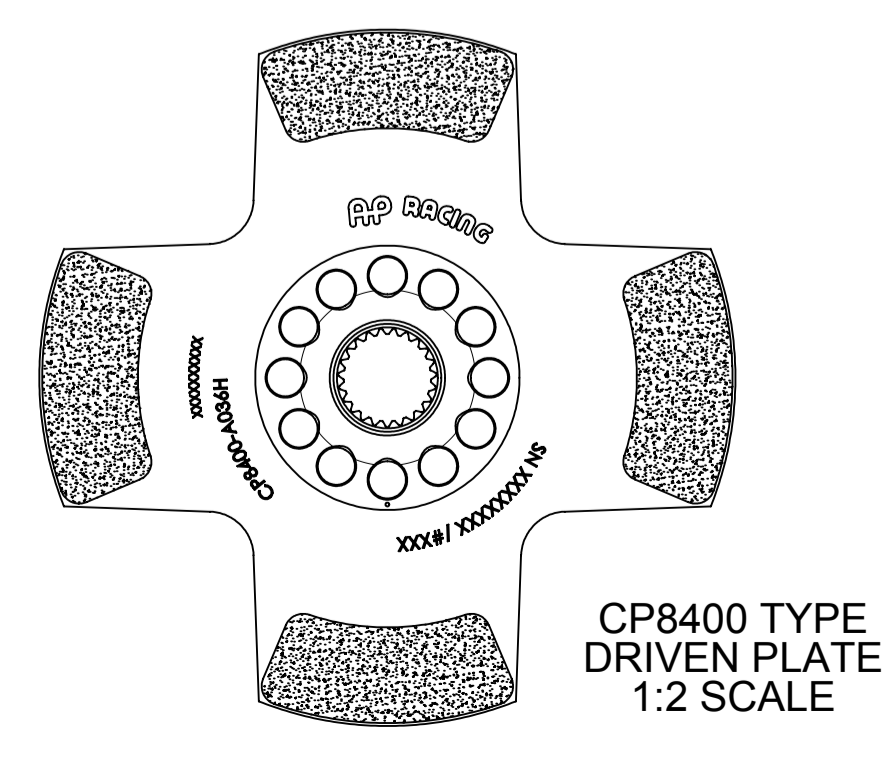
LENGTH OF STUD REQUIRED TO BE CALCULATED THUS :

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 AARON COUSINS  
 APPROVED  
 DERIVED FROM CP7972  
 TITLE  
**Ø184 (7.25") TRIPLE PLATE CLUTCH INSTALLATION**  
 DRG NO. CP7383-1CD