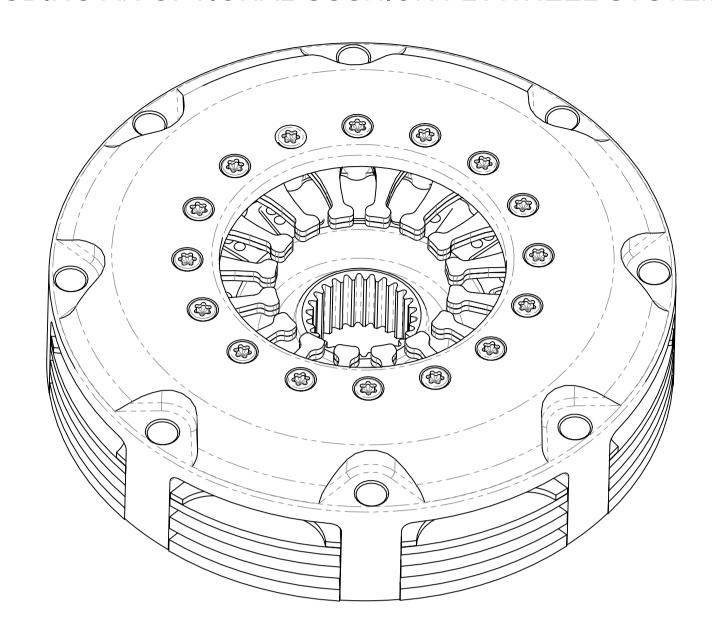
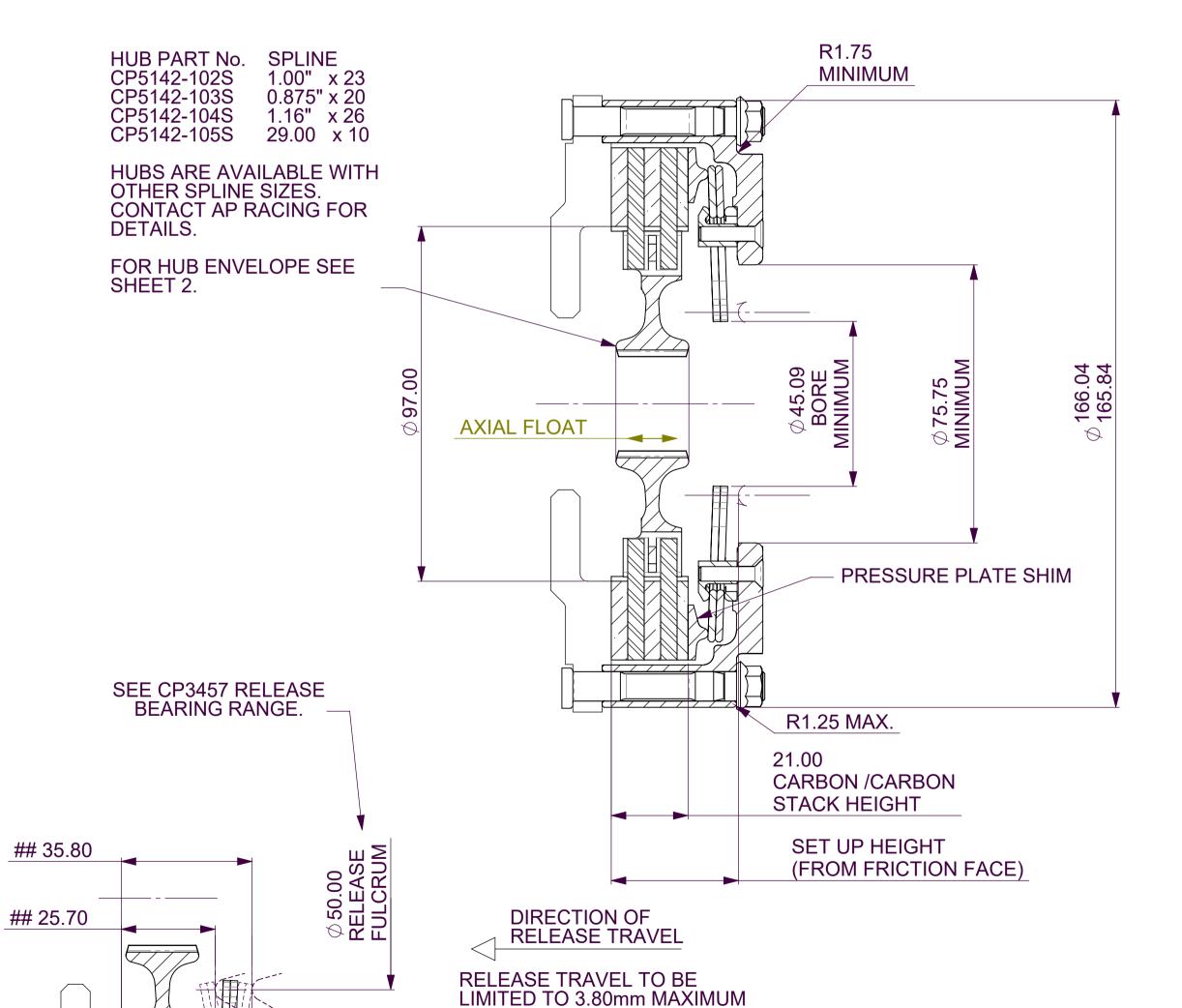
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FIRST ANGLE PROJECTION

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CP7142 Ø140mm (5.5") CARBON / CARBON CLUTCH ASSEMBLY INCLUDING AN OPTIONAL CUSHION FLYWHEEL SYSTEM (CFS)





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.

(CALCULATED FROM THE FRICTION FACE.)

THESE FIGURES COVER THE FULL RANGE OF CLUTCHES IN THE CP7142 FAMILY.

BEARING POSITION

CP7142 CLUTCH FAMILY MAXIMUM DYNAMIC TORQUE CAPACITY 315 741 589 537 421 (Nm) 426 232 396 434 314 310 (ft.lb) 547 S066 S060 S061 S067 S063 Spec No. S069 RELEASE LOAD Max. Peak Wom (N) 5600 5400 4000 4000 5400 4000 3600 2900 Max Peak New (N) 3600 3100 3600 3100 0.75 WEAR IN (See Note) 0.5 1.0 0.5 31.20 32.21 31.87 31.73 31.72 Set Up Height New 30.93 30.47 30.32 30.24 30.78 30.76 33.62 34.10 33.14 33.21 34.58 34.40 Set Up Height Wom (Set Up Height is caluclated from the flywheel friction face.

Estimated Assembly Mass (Inc. Hub with Steel Main Pressure Plate) = 1.92 Kg
Estimated Assembly Inertia (Inc. Hub with Steel Main Pressure Plate) = 0.00646 Kgm²
Estimated Driven Plate and Hub Inertia = 0.00089 Kgm²

4.48

3.44

2.64

3.44

4.48

Release Ratio

PERFORMANCE SUFFIX	СМ	CE	ОМ	OE	СН	ОН
					•	
Car Dafaranaa		·	·	·	·	

For Reference						
Diaphragm Spring Rate	CRV	CRV	ORA	ORA	CRV	ORA
Clutch Ratio	MHR	EHR	MHR	EHR	HiR	HiR

MATERIAL SUFFIX	COVER MATERIAL	PRESSURE PLATE MATERIAL	CARBON / CARBON TYPE	
28	ALUM INIUM	STEEL	STANDARD DUTY	
02	ALUM INIUM	STEEL	HEAVY DUTY	

FLYWHEEL TYPE					
	SUFFIX	COMMENTS			
STANDARD FLAT FLYWHEEL	FN	FOR INSTALLATION DATA SEE SHEET 2			
STANDARD STEPPED FLYWHEEL	SN	FOR INSTALLATION DATA SEE SHEET 2			
FLAT FLYWHEEL WITH CFS	FC	FOR INSTALLATION DATA SEE SHEET 2			
TEATTET WHELE WITH OF S		AND FLYWHEEL DETAILS SEE SHEET 3			
STEPPED FLYWHEEL WITH	sc	FOR INSTALLATION DATA SEE SHEET 2			
CFS	SC	AND FLYWHEEL DETAILS SEE SHEET 3			

Sample AP Racing Part No. CP7142-CE28-SC

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

	CM & OM	CE & OE	CH & OH
STANDARD KIT			
0.50 - 3.50 IN 0.50	CP4502-13	CP5253-5	CP4972-4
STEPS			
INTERMEDIATE KIT			
0.25 - 3.25 IN 0.50	CP4502-14	CP5253-4	CP4972-3
STEPS			

RACING

2.64

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AP Racing
Wheler Road
Coventry
CV3 4LB

Last Saved: Darren. Nicholl on 20 March 2025 14:55:55

Tel: +44 024 7663 9595 e-mail: sales@apracing.co.uk Fax: +44 024 7663 9559 Web site: HTTP://www.apracing.com

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\dashv	<u>e</u>	Alterations		ne	Initials	١
\dashv	Issue No.	Date & No.	Particulars	Zone	<u>ii</u>	ľ
	1	08/10/02 C2101	FIRTST ISSUE	#	JG	
\dashv	2	20/11/02	SEE SHEET 2	#	JG	1
\dashv	3	04/02/03	SEE SHEET 3	#	JG	1
	4	13/03/03	35.80 WAS 38.80	C1	JG] -
	5	05/10/04	SHEET 1: R1.25 MAX. ADDED. SHEET 2: 44.50° MIN. WAS 45.00°	D5	JG	
	6	19/10/04 C2551	COVER MOUNTING DETAIL CLARIFIED.	#	JG	
	7	10/07/08 C3446	SET UP HEIGHT TOLERANCE ADDED.	#	JG	
	8	06/02/2019 C5336	TRAVEL LOAD REPLACED BY PEAK NEW LOAD RELEASE LOADS UPDATED	#	ТВТ	
	9	21/03/25 WF-003768:01	MATERIAL SUFFIX 28 WAS 01	F10	DN	
					(1

SCALE 1:1 SHEET 1 OF 3

DRAWN Jeremy Govan

APPROVED

TITLE

Ø140mm TWIN PLATE CARBON / CARBON CLUTCH ASSEMBLY

DRG NO. cp7142cd

