## UTCH SLAVE CYLINDERS - Push Types

#### INTRODUCTION & GENERAL INFORMATION.

AP Racing offer a range concentric slave cylinders suitable for use with most push type racing clutches. These concentric slave cylinders are lightweight hydraulically self-contained units that mount on the transmission casing and operate the clutch directly. The Aluminium alloy bodies are lightweight and compact, the units feature an integral piston support tube, high temperature seals and scraper ring plus a special high tech, low friction coating. CP6859 & CP3959 are interchangeable with the Saab derived slave cylinders that are in widespread use, but are hydraulically self contained and independent of the gearbox and therefore do not require an oil seal over the input shaft. The slave cylinders are supplied complete with a release

bearing in a choice of three fulcrum diameters. Ensure that the unit is installed in the correct position, with the bleed port uppermost as shown in the installation drawings that follow. All fittings intended to seat at the bottom of the hydraulic ports must have an included angle of 90°

Details below apply to all slave cylinders within the range:- Body & Piston Material are Aluminium Alloy. / - Effective Area = 920mm<sup>2</sup> (1.426in<sup>2</sup>). - Max Pressure = 8.6N/mm² (1250psi). / - Fluid = Radi-CAL™ R4, R3, R2 or other high quality fluids.

### CP3959 SLAVE CYLINDER.

The CP3959 series of concentric slave cylinders offer a lightweight die cast Aluminium body and are hydraulically self contained with high temperature seals. Interchangeable with SAAB cylinder part no, 4776308 (8729840).



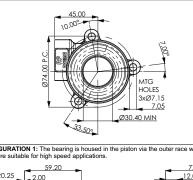
## TECHNICAL

SPECIFICATION.

- Weight. 425g
- Hydraulic threads.- M12x1.0
- Replacement seal kit. CP3759-3
- Hydraulic fitting kits available for -3 or -4 aeroquip:
- 7/16" (Aluminium adaptor) for 4 aeroquip CP3859-15
- 3/8" (Steel adaptor) for -3 aeroquip CP3859-16

#### PART NUMBERS

Slave Part Number.	Fulcrum Ø.	Max Stroke.	Bearing.	Bearing Config.
CP3959-38	38.0mm	18.0mm	CP3457-16	1
CP3959-50	50.0mm	18.0mm	CP3457-11	1
CP3959-54	54.0mm	18.0mm	CP3457-6	1
CP3959-1250	50.0mm	12.0mm	CP3457-9	2
CP3959-1254	54.0mm	12.0mm	CP3457-10	2
CP3959-1238-IN	38.0mm	12.0mm	CP3457-16	3



BEARING CONFIGURATION 1: The bearing is housed in the piston via the outer race with the inner race rotating. This is more suitable for high speed applications.

77.20 MAX R0 25 12.00 2.00 MAX STROKE 18.00 24.00 (\* ₹1 PISTON FULLY 89 PISTON AT Ø66.00 RETRACTED FULL STROKE 358.99 8.20 BEARING CONFIGURATION 3: The bearing is housed in the piston via the outer race with the inner race rotating. The stroke has been shortened so as to reduce the overall length. BEARING CONFIGURATION 2: The bearing is hou on the piston via the inner race with the outer race rotating. The stroke has been shortened so as to reduce the overall length. PISTON FULLY PISTON FULLY RETRACTED PISTON AT PISTON AT RETRACTED FULL STROKE FULL STROKE 51.20 63.20 MAX ≥ (+ Ø66.00 **(** С С С Ø STROKE 12.0 STROKE 12.0 Note: Drawing for guidance only. Download latest issue installation drawing from www.apracing.cor

# CP6859 SLAVE CYLINDER.

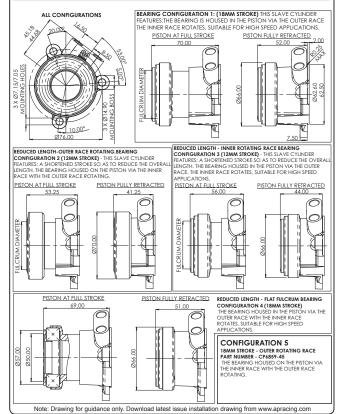
The CP6859 series of concentric slave cylinders offer a lightweight forged Aluminium body and are hydraulically self contained with high temperature seals.

#### **TECHNICAL SPECIFICATION.**

- Weights CP6859-XX 361g / -12XX
- 257g / -12XX-IN 346g
- Hydraulic threads.- M10x1.0
- Replacement seal kit. CP3759-3
- Hydraulic fitting kits available for -3 or
- -4 aeroquip:
- Hydraulic fitting kit (Steel adaptor 7/16" '-4') CP3759-6.
- Hydraulic fitting kit (Steel adaptor 3/8" '-3') CP3759-5.

#### PART NUMBERS

Slave Part Numbers.	Fulcrum Ø.	Max Stroke.	Bearing.	Bearing Config.		
CP6859-14	Flat	18.0mm	CP3457-22	4		
CP6859-38	38.0mm	18.0mm	CP3457-16	1		
CP6859-45-IN	45.0mm	18.0mm	CP3457-19	1		
CP6859-50	50.0mm	18.0mm	CP3457-11	1		
CP6859-54	54.0mm	18.0mm	CP3457-6	1		
CP6859-1245	45.0mm	12.0mm	CP3457-19	2		
CP6859-1250	50.0mm	12.0mm	CP3457-9	2		
CP6859-1254	54.0mm	12.0mm	CP3457-10	2		
CP6859-1238-IN	38.0mm	12.0mm	CP3457-16	3		
CP6859-1245-IN	45.0mm	12.0mm	CP3457-26	3		
CP6859-1250-IN	50.0mm	12.0mm	CP3457-11	3		
CP6859-1254-IN	54.0mm	12.0mm	CP3457-6	3		
CP6859-45	45.0mm	18.0mm	CP3457-19	5		





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