



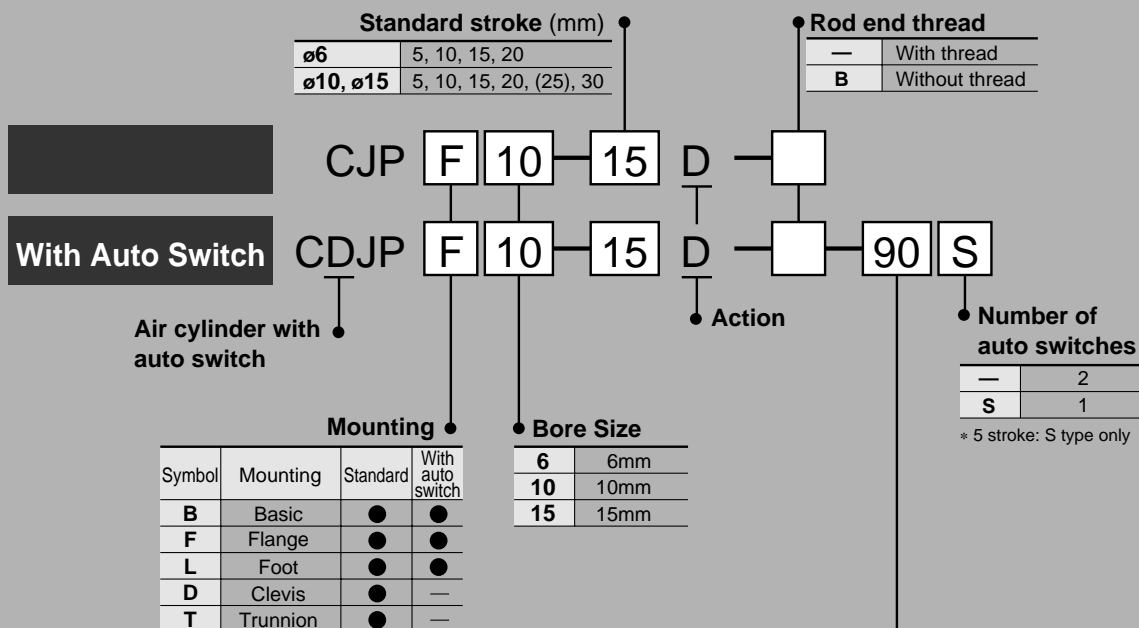
# Pin Cylinder Series CJP

Double Acting/Single Acting Spring Return

## Variations

Series	Action	Standard Variation Built-in Magnet	Bore Size (mm)	Standard Stroke (mm)	Page
<b>Standard Style Series CJP</b> 	Double Acting (Non-lube)	Single Rod	6 10 15	ø6 — 5,10,15,20 ø10,15- 5,10,15,20,(25),30	1.2-2
	Single Acting (Non-lube)	Single Rod Spring return		5/10/15	1.2-8

## How to Order/Double Acting



### Applicable Auto Switches

Electrical entry	Indicator	Wiring (Output)	Load voltage			Auto switch model No.	Lead wire	Length of lead wire (m)			Applicable load	
			DC		AC			0.5 (—)	3 (L)	5 (Z)		
Grommet	Yes	2 wire	24V	12V	—	97	Parallel code	●	●	●	—	Relay PLC
				12V	100V	93A	Cab tire	●	●	●		
	No		24V	5V 12V	24 V or less	90	Parallel code	●	●	●	IC circuit	
				5V 12V	100 V or less	90A	Cab tire	●	●	●		

\* Impossible to mount the auto switch on the clevis and trunnion styles.

CJ1

CJP

CJ2

CM2

C85

CG1

MB

C95

CA1

CS1

# Pin Cylinder/Single Acting Spring Return *Series CJP*

## Standard Strokes

Bore size (mm)	Stroke (mm)
<b>6</b>	5, 10, 15
<b>10</b>	5, 10, 15
<b>15</b>	5, 10, 15

## Spring Retracting Force (N)

Bore size (mm)	Stroke (mm)	0 stroke	Stroke end
<b>6</b>	5, 10, 15	3.92	1.42
<b>10</b>	5, 10, 15	5.98	2.45
<b>15</b>	5, 10, 15	10.8	4.41

\* Same spring force for each stroke.

## Weight (g)

Model	Stroke (mm)		
	5	10	15
<b>CJP□6</b>	10.6	13.1	15.6
<b>CJP□10</b>	28	33	38
<b>CJP□15</b>	72	82	92

\* Weight of hose nipple (4gf) is not included.

## Hose Nipple For Panel Mount Style (With Fixed Orifice)

Applicable tubing	Model
ø4/ø2.5	CJ-5H-4
ø6/ø4	CJ-5H-6

## Theoretical Force (N)

Bore size (mm)	Operating direction	Operating pressure (MPa)		
		0.3	0.5	0.7
<b>6</b>	OUT	4.56	10.2	15.9
	IN	1.42		
<b>10</b>	OUT	17.6	33.3	49.0
	IN	2.45		
<b>15</b>	OUT	42.2	77.5	113
	IN	4.41		



## Precautions

Be sure to read before handling.  
Refer to p.0-39 to 0-46 for Safety Instructions and common precautions.

## Piping

## Caution

- ① Use a dedicated hose nipple. On the panel mounting style, use the CJ-5H-4 or CJ-5H-6, a dedicated hose nipple (with a fixed restriction) that is provided. If a different fitting must be used due to unavoidable circumstances, make sure to install a speed controller and use it by adjusting it to 500mm/s or less.

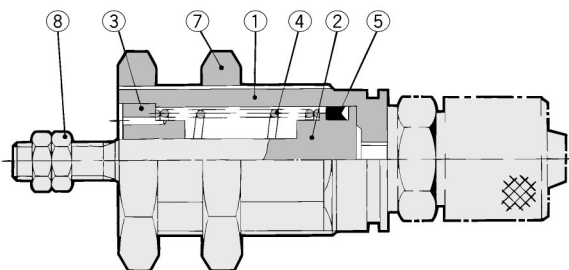
## Mounting

## Caution

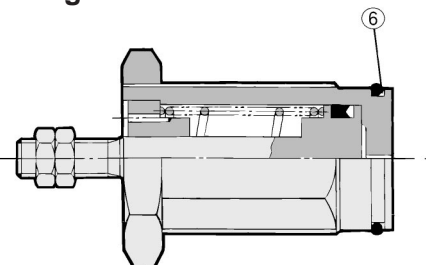
- ① Do not operate in such a way that a load is applied to the piston rod during its retraction. The spring that is built into the cylinder provides only enough force to retract the piston rod. Thus, if a load is applied, the piston rod will not be able to retract to the end of the stroke.

## Construction (Disassembly is not possible.)

### Panel mounting



### Plug mounting



## Component Parts

(Disassembly is not possible.)

No.	Description	Material	Note
①	Cover	Brass	Electroless nickel plated
②	Piston	Stainless steel	
③	Collar	Brass	
④	Return spring	Piano wire	Zinc chromate
⑤	Piston seal	NBR	
⑥	Gasket	NBR	Special product (O ring) Plug mounting only
⑦	Mounting nut	Brass	Electroless nickel plated
⑧	Rod end nut	Steel	Nickel plated

## Provided Nut/Part No.

Description	Bore (mm)	6	10	15
Mounting nut		SNPS-006	SNPS-010	SNPS-015
Rod end nut		NTP-006	NTP-010	NTP-015