

# Pin Cylinder: Single Acting, Spring Return

## Series CJP

ø4, ø6, ø10, ø15

**A short stroke miniature cylinder with a shorter overall length.**

The installation space can be significantly reduced because this cylinder can be recessed directly into a machine body or installed on a panel. Thus, the machine can be made more compact.

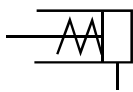


Embedded type

Panel mount type

### JIS Symbol

Single acting, Spring return

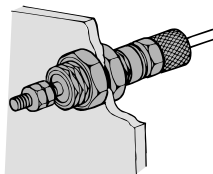


**Made to Order (ø6 to ø15)**  
(For details, refer to page 1459, 1462.)

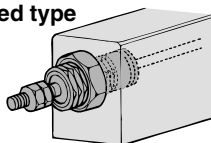
Symbol	Specifications
XC17	Pin cylinder with rod quenched
XC22	Fluororubber seals

## Mounting

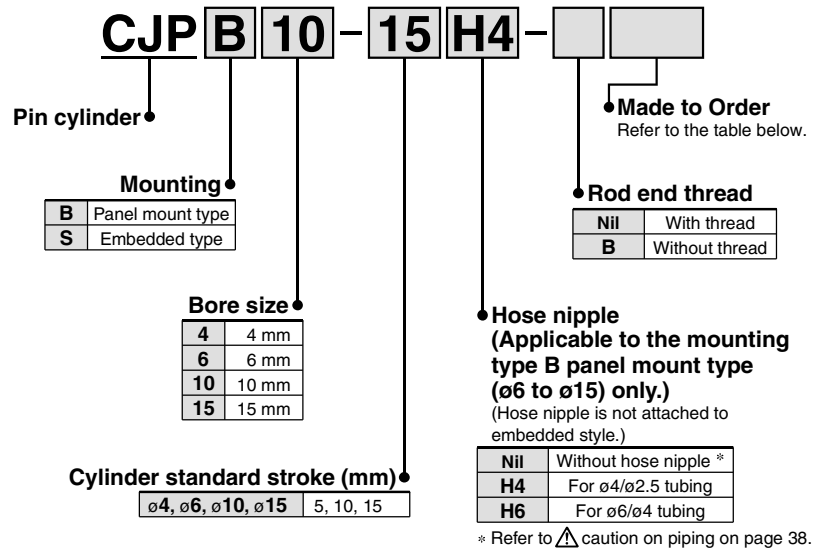
### Panel mount type



### Embedded type



## How to Order

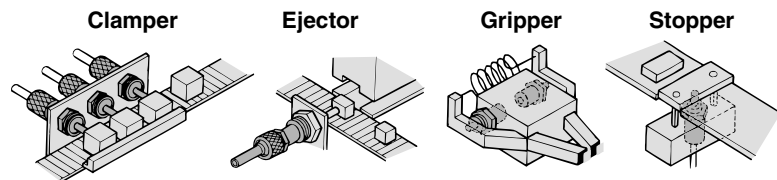


## Specifications

Action	Single acting, Spring return	
Maximum operating pressure	0.7 MPa	
Minimum operating pressure	ø4	0.3 MPa
	ø6	0.2 MPa
	ø10, ø15	0.15 MPa
Proof pressure	1 MPa	
Ambient and fluid temperature	-10 to 70°C (No freezing)	
Lubrication	Not required (Non-lube)	
Piston speed	50 to 500 mm/s	
Cushion	None	
Stroke length tolerance	+1.0 0	
Rod end style	With thread/Without thread	
Mounting	Panel mount type	Embedded type
Accessory (Standard equipment)	Standard equipment	Mounting nut (2) Rod end nut (2) *
	Option	Hose nipple (Except ø4)
		Mounting nut (1) Gasket (1) Rod end nut (2) *

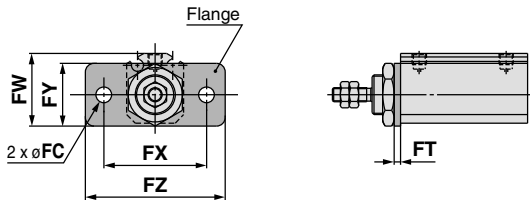
\* When rod end is threaded.

## Application Examples



### Mounting Bracket Dimensions

#### Flange: C(D)JP2F6 to 16

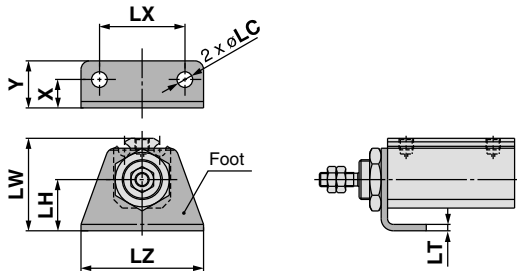


#### Flange (mm)

Symbol	FC	FT	FW	FX	FY	FZ
Bore size 6	3.4	1.6	18.5	24	16	32
10	4.5	1.6	21	28	18	37
16	5.5	2.3	25.5	36	22	49

\* Other dimensions are the same as basic mounting.

#### Foot: C(D)JP2L6 to 16

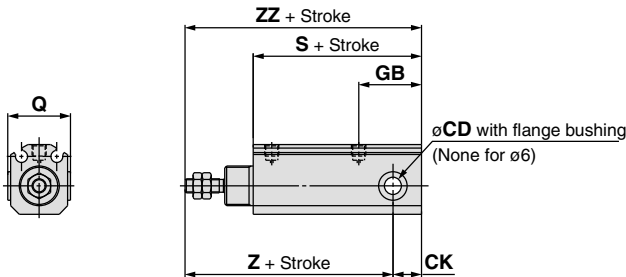


#### Foot (mm)

Symbol	X	Y	LC	LH	LT	LW	LX	LZ
Bore size 6	6.5	10.5	3.4	11	1.6	21.5	20	28
10	7	12	4.5	13	1.6	25	24	33
16	10	16.5	5.5	18	2.3	32.5	30	43

\* Other dimensions are the same as basic mounting.

#### Clevis: C(D)JP2D6 to 16

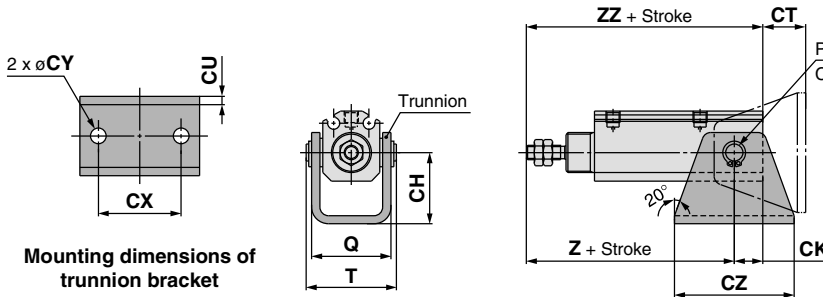


#### Clevis (mm)

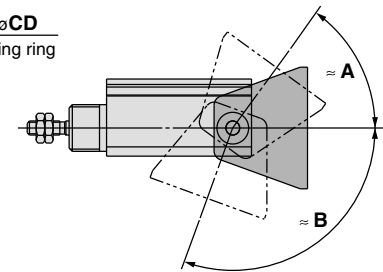
Symbol	CD	CK	GB	Q
Bore size 6	3 <sup>+0.040</sup> <sub>0</sub>	4	11.5	—
10	5 <sup>+0.065</sup> <sub>0</sub>	6.5	18	17 <sup>0</sup> <sub>-0.5</sub>
16	6 <sup>+0.065</sup> <sub>0</sub>	10	22	22 <sup>0</sup> <sub>-0.5</sub>

Symbol	S		Z		ZZ	
	Without magnet	Built-in magnet	Without magnet	Built-in magnet	Without magnet	Built-in magnet
Bore size 6	21	26	34	39	38	43
10	30.5	35.5	44	49	50.5	55.5
16	34	39	48	53	58	63

#### Trunnion: C(D)JP2T6 to 16



#### Rotation angle



#### Trunnion

Symbol	CD	CH	CK	CT	CU	CX	CY	CZ	Q	T	Z		ZZ	
											Without magnet	Built-in magnet	Without magnet	Built-in magnet
Bore size 6	3	16	4	12	1.6	18	3.4	26	18.5	20.4	34	39	38	43
10	5	20	6.5	13.5	1.6	24	4.5	33	20.5	23.9	44	49	50.5	55.5
16	6	25	10	15	2.9	29	5.5	42	28	31.7	48	53	58	63

Applicable bore	ø6	ø10	ø16
≈ A	54°	62°	55°
≈ B	110°	110°	102°

\* Provided as guidelines.

The values are varied depending on the condition.

- CJ1
- CJP**
- CJ2
- CM2
- CG1
- MB
- MB1
- CA2
- CS1
- CS2

- D-□
- X□
- Individual
- X□
- Technical data