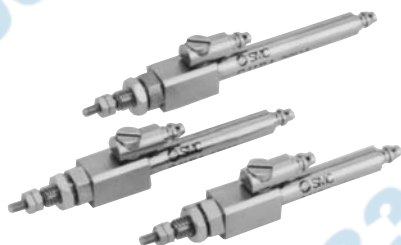


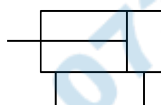
Double Acting Series CJ1

Bore Size: $\varnothing 4$



JIS Symbol

Double acting,
Single rod



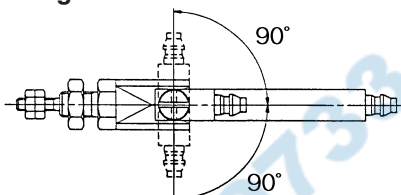
Formation of small series of a double acting cylinder

(A cylinder with $\varnothing 4$ bore has been added as a compact type to the existing CJ2: $\varnothing 6$ double acting cylinder.)

The fitting on the rod cover side has been provided with a variable piping direction.

(The piping direction of the fitting on the rod cover side can move freely within a range of $\pm 90^\circ$.)

■ The piping direction of the fitting on the rod cover side varies within a range of $\pm 90^\circ$.



⚠ Precautions

Be sure to read before handling.
Refer to front matters 54 and 55 for
Safety Instructions and pages 3 to 11 for
Actuator and Auto Switch Precautions.

Piping

⚠ Caution

- Do not force to connect piping in such a way that the lateral force could be applied on a cylinder tube. This could cause a cylinder tube to slant and malfunction.

Piping

⚠ Caution

- Do not install by directly grasping the cylinder tube, as this could cause a tube to deform and malfunction.
- Do not install it by directly grasping the piston rod with a pair of electrician's pliers. Scratches on the piston rod would cause a bearing or rod seal to get damaged, malfunction, and leak air.

How to Order/Double Acting

CJ1B 4 - 5 U4

Mounting style

B Basic style

Bore size

4 4 mm

Applicable tubing

Symbol	Tubing material	Size	
		O.D.	Bore size
U4	Polyurethane	4 mm	2.5 mm
	Soft nylon	4 mm	2.5 mm

Standard stroke (mm)

5, 10, 15, 20

Specifications

Action	Double acting, Single rod
Fluid	Air
Proof pressure	1.05 MPa
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.2 MPa
Ambient and fluid temperature	-10 to 70°C (No freezing)
Piston speed	50 to 500 mm/s
Cushion	None
Stroke length tolerance	$^{+0.5}_0$ mm
Mounting	Basic style
Lubrication	Not required (Non-lube)

Model/Bore Size/Standard Stroke

Model	Bore size (mm)	Standard stroke (mm)
CJ1B4	4	5, 10, 15, 20

Applicable Tubing

Tubing type	Material	Size		Tube no.
		O.D.	Bore size	
Metric size	Polyurethane	4 mm	2.5 mm	TU0425
	Soft nylon	4 mm	2.5 mm	TS0425

Theoretical Output

(N)

Bore size (mm)	Rod size (mm)	Action	Piston area (mm ²)	Operating pressure (MPa)					
				0.2	0.3	0.4	0.5	0.6	0.7
4	2	OUT	12.6	2.52	3.78	5.04	6.30	7.56	8.82
		IN	9.4	1.88	2.82	3.76	4.70	5.64	6.58

Mass

(g)

Bore size (mm)	Cylinder stroke (mm)	Mass
4	5	12.0
	10	12.4
	15	12.8
	20	13.2