

MCJI Multiple position series

ISO 21287 **COMPACT CYLINDER**



Special spec



Technical data



Caution for safety
(Read before installing)



Specification

Model	MCJI-3*	
Acting type	Double acting	
Tube I.D. (mm)	20,25	32,40,50,63,80,100
Port size	M5×0.8	G1/8
Medium	Air	
Operating pressure range	0.05~1 MPa	
Proof pressure	1.5 MPa	
Cushion	Rubber bumper	
Lubricator	Without lubrication	
Stroke length tolerance (*)	+0~+1.0 mm	
Ambient temperature	-5°C~+60°C (No freezing)	
Available speed range	50~500 mm/sec	
Sensor switch	RDT, RQT  , RCI 	

* Stroke length tolerance does not include the amount of bumper change.

Order example

MCJI — 32 — 40 — 20×25

MODEL

TUBE I.D.

3: Multiple position

STROKE1×STROKE2

Stroke1: First stroke
Stroke2: Total stroke

STYLE

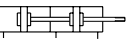
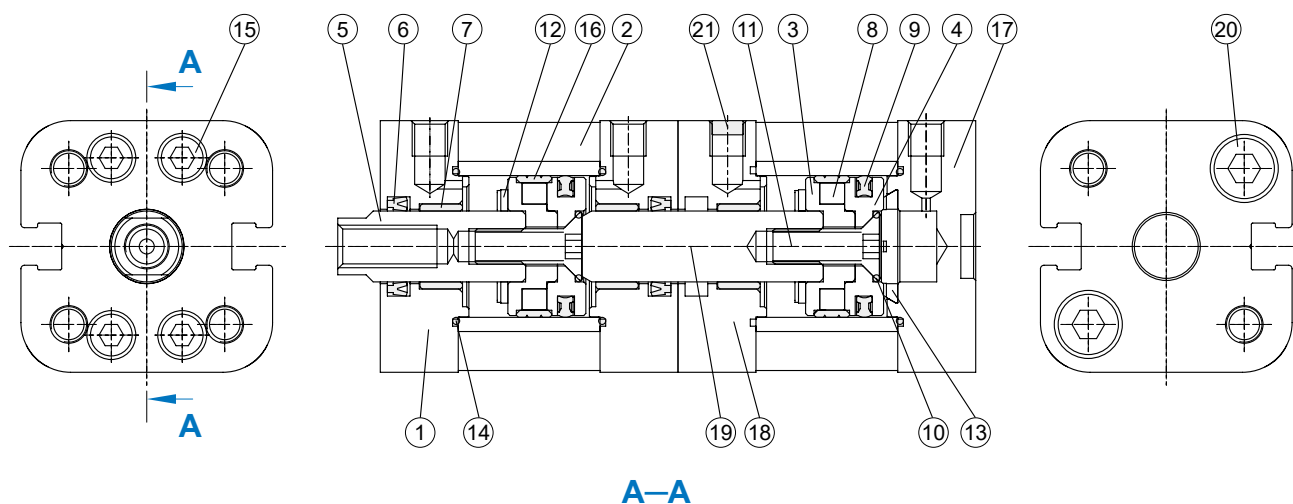
Code	Symbol	Description
3 1		Double acting / Male thread
3 2		Double acting / Female thread

Table for standard stroke

Tube I.D.	First stroke (mm)	Max. stroke
ø20,25	5,10,15,20,25,30,40,50,60,80,100	110
ø32,40	5,10,15,20,25,30,40,50,60,80,100	120
ø50,63	10,15,20,25,30,40,50,60,80,100,110,120	150
ø80,100	15,20,25,30,40,50,60,80,100,110,120	140

Tube I.D.	Total stroke (mm)	Max. stroke
ø20,25	5,10,15,20,25,30,40,50,60,80,100,200	300
ø32,40	5,10,15,20,25,30,40,50,60,80,100,200,300	300
ø50,63	10,15,20,25,30,40,50,60,80,100,200,300,400	400
ø80,100	15,20,25,30,40,50,60,80,100,200,300,400,500	500

* Please contact us if the stroke is out of specification.



Material

No.	Part name	Material	Q'ty	Component parts (inclusion)	Repair kits (inclusion)
1	Rod cover	Aluminum alloy	2	●	
2	Tube	Aluminum alloy	2		
3	Piston-R	Aluminum alloy	2	●	
4	Piston-H	Aluminum alloy	2	●	
5	Piston rod	*1	1		
6	Rod packing	NBR	2	●	●
7	Bush	Bearing alloy	3	●	
8	Magnet ring	Magnet material	2	●	
9	Piston packing	NBR	2	●	●
10	O-ring	NBR	2	●	●
11	Screw	Carbon steel	2	●	
12	Cushion	NBR	2	●	●
13	Cushion	NBR	1	●	●
14	O-ring	NBR	3	●	●
15	Screw	Stainless steel	8	●	
16	Wear ring	Resin	2	●	
17	End cover	Aluminum alloy	1	●	
18	Center cover	Aluminum alloy	1	●	
19	Piston rod	*1	1		
20	Screw	Carbon steel	2		
21	Silencer	Brass	1	●	

*1. Material $\phi 20$, $\phi 25$: Stainless steel; $\phi 32 \sim \phi 100$: Medium carbon steel.

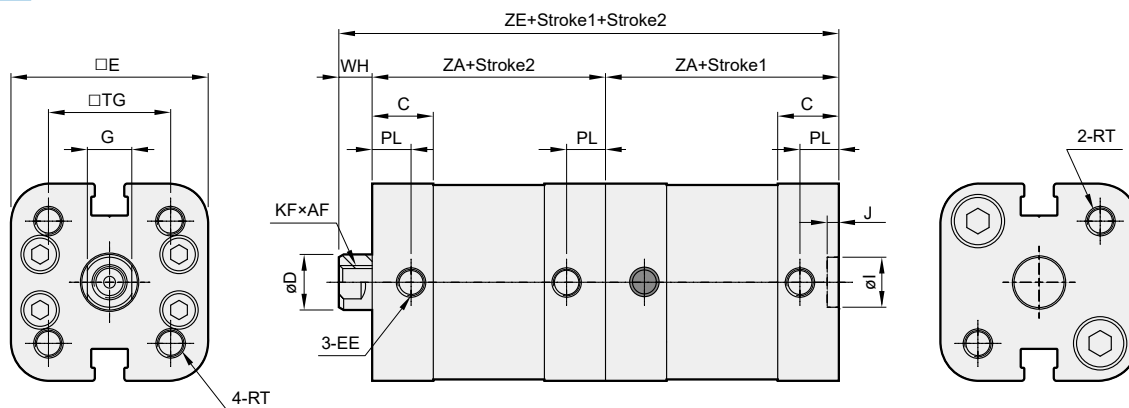
Order example

Component parts / Repair kits

Tube I.D.	Component parts	Repair kits
$\phi 20$	CP-MCJI-3-20	PS-MCJI-3-20
$\phi 25$	CP-MCJI-3-25	PS-MCJI-3-25
$\phi 32$	CP-MCJI-3-32	PS-MCJI-3-32
$\phi 40$	CP-MCJI-3-40	PS-MCJI-3-40
$\phi 50$	CP-MCJI-3-50	PS-MCJI-3-50
$\phi 63$	CP-MCJI-3-63	PS-MCJI-3-63
$\phi 80$	CP-MCJI-3-80	PS-MCJI-3-80
$\phi 100$	CP-MCJI-3-100	PS-MCJI-3-100

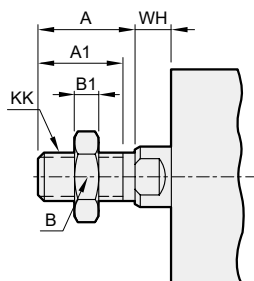
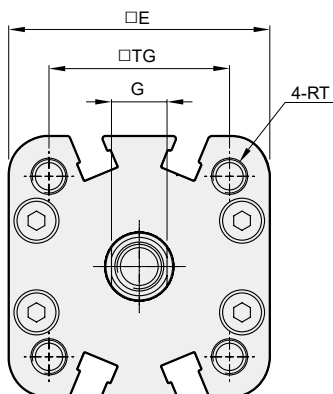
32

ø20, ø25



* Stroke1: First stroke, Stroke2: Total stroke.

ø32~ø100



31 Male thread

Code Tube I.D.	A	A1	B	B1	KK
20	16	14	13	4	M8×1.25
25	16	14	13	4	M8×1.25
32	19	17	17	5	M10×1.25
40	19	17	17	5	M10×1.25
50	22	20	19	6	M12×1.25
63	22	20	19	6	M12×1.25
80	28	26	24	8	M16×1.5
100	28	26	24	8	M16×1.5

Code Tube I.D.	AF	C	D	E	EE	G	WH	I	J	KF	PL	TG	RT	ZA	ZE
20	14	11	10	35.5	M5×0.8	8	6	9	2.1	M6×1.0	7	22	M5×0.8	37	80
25	14	11	10	39.5	M5×0.8	8	6	9	2.1	M6×1.0	7	26	M5×0.8	39	84
32	15	14	12	47.0	G1/8	10	7	9	2.1	M8×1.25	7.5	32.5	M6×1.0	44	95
40	15	14	12	54.5	G1/8	10	7	9	2.1	M8×1.25	7.5	38	M6×1.0	45	97
50	18	14	16	65.5	G1/8	14	8	12	2.6	M10×1.5	7.5	46.5	M8×1.25	45	98
63	18	14.5	16	75.5	G1/8	14	8	12	2.6	M10×1.5	7.5	56.5	M8×1.25	49	106
80	20	15.5	20	95.5	G1/8	17	10	12	2.6	M12×1.75	8	72	M10×1.5	54	118
100	20	18.5	20	113.5	G1/8	17	10	12	2.6	M12×1.75	9.5	89	M10×1.5	67	144

* Stroke1: First stroke, Stroke2: Total stroke.