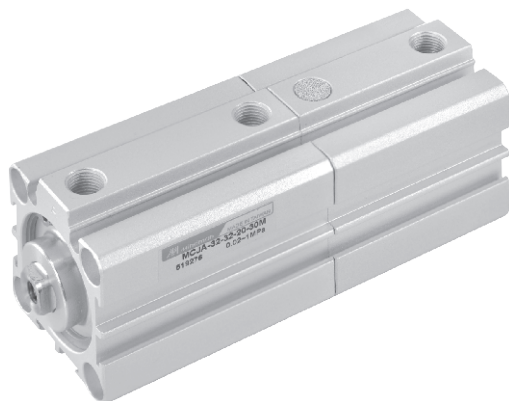


# MCJA Multiple position COMPACT CYLINDER



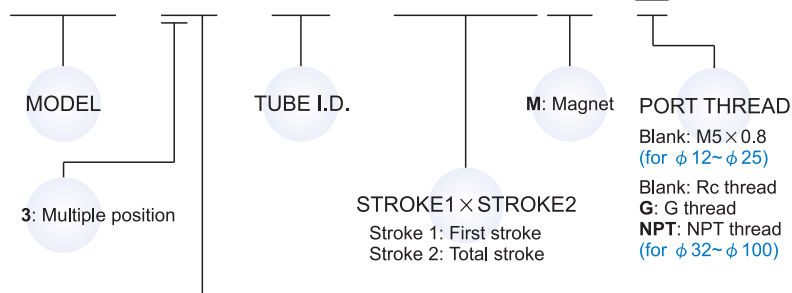
## Specification

Model	MCJT-3*									
Acting type	Double acting / Single acting						Double acting			
Tube I.D. (mm)	12	16	20	25	32	40	50	63	80	100
Port size	M5 × 0.8			Rc1/8		Rc1/4		Rc3/8		
Medium	Air									
Operating pressure (MPa)	Double acting	0.05~1		0.03~1		0.02~1				
	Single acting	0.2~1		0.15~1		0.1~1		—		
Proof pressure	1.5 MPa									
Ambient temperature	-5~+60°C (No freezing)									
Available speed range	50~500 mm/sec									
Sensor switch (※)	RCB, RCE, RCE1, RDEP									

※ RCB, RCE, RCE1, RDEP specification, please refer to page 8-8, 10, 15.

## Order example

MCJA-32-40-10×25 M-□



### STYLE

Code	Symbol	Description
3 1		Double acting / Male thread
3 2		Double acting / Female thread
3 5		Single acting / Normally returned male thread
3 6		Single acting / Normally returned female thread

※ Order example for special specification, refer to page 0-7.

## Double acting - Table for standard stroke

Tube I.D.	Stroke (mm)	Max. stroke (without magnet)
φ 12,16	5, 10, 15, 20, 25, 30	300
φ 20,25,32 φ 40,50,63,80	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	300
φ 100	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	125

● Stroke out of specification is also available. Please consult us if stroke out of specification.

## Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
φ 12, 16, 20, 25, 32, 40	5, 10, 15, 20, 25, 30
φ 50	5, 10, 15, 20

● Stroke out of specification is also available. Please consult us if stroke out of specification.

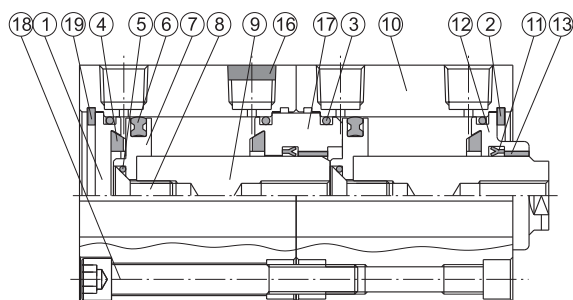
# MCJA Multiple position Inside structure & Parts list



## COMPACT CYLINDER

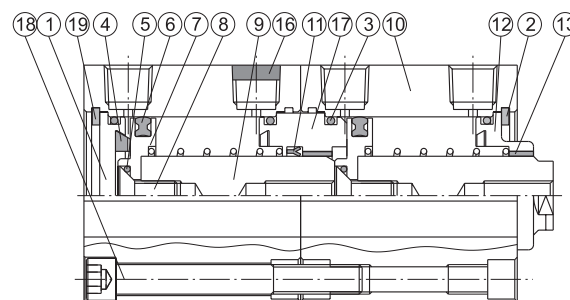
Mindman

### Double acting



### Single acting

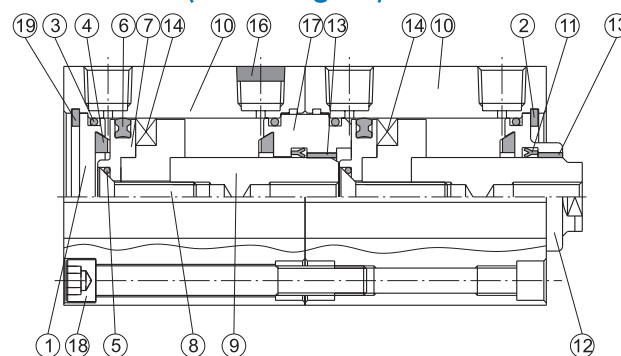
### Normally returned



### Seal kit

Acting type	Rod packing		Piston packing		Cover ring	Piston gasket
	Double action	Normally returned	Double action	Single action	Double action Single action	Double action Single action
QTY.	2	1	2	2	4	2
12	KSYR-6	KSYR-6	OPA-12	OPA-12	S-12	d4 × w1
16	KSYR-6	KSYR-6	OPA-16	OPA-16	S-14	d4 × w1
20	KSYR-8	KSYR-8	OPA-20	OPA-20	S-18	d6 × w1
25	KSYR-10	KSYR-10	OPA-25	OPA-25	S-22	d8 × w1
32	KSYR-12	KSYR-12	OPA-32	OPA-32	d28 × w2	S-9
40	KSYR-16	KSYR-16	OPA-40	OPA-40	S-36	S-9
50	KSYR-20	KSYR-20	OPA-50	OPA-50	AS-31	S-16
63	KSYR-20	—	OPA-63	—	AS-35	S-16
80	ORA-25	—	OPA-80	—	AS-41	d20 × w1
100	SDR-30	—	OPA-100	—	S-95	S-26

### Double acting (with magnet)



### Material

No.	Part name	Tube I.D.									Q'y	Component parts (inclusion)	Repair kits (inclusion)
		12	16	20	25	32	40	50	63	80			
1	Head cover	Aluminum alloy									1	●	
2	Snap ring(Front end)	SUS	Spring steel	SUS	Spring steel						1	●	
3	Cover ring	NBR									4	●	●
4	Cushion packing	NBR									4	●	●
5	Piston gasket	NBR									2	●	●
6	Piston packing	NBR									2	●	●
7	Piston	Aluminum alloy									2	●	
8	Screw	With magnet			SUS			SCM			2	●	
		Without magnet			SCM			SUS			2	●	
9	Piston rod	With magnet			SUS			Carbon steel			2	●	
		Without magnet			SUS			Carbon steel			2	●	
10	Body	Aluminum alloy									2		
11	Rod packing	NBR									2 <sup>(*)</sup>	●	●
12	Rod cover	Aluminum alloy									1	●	
13	Bush	—			Bearing alloy						2	●	
14	Magnet ring	Magnet material									2	●	
15	Spring	SWP			—						2	●	
16	Silencer	Brass			—						1	●	
17	Center cover	Aluminum alloy									1	●	
18	Screw	SCM									2	●	
19	Snap ring(Rear end)	SUS			Spring steel						1	●	

\* Single acting / Normally returned, Q'y=1.

### Order example Component parts

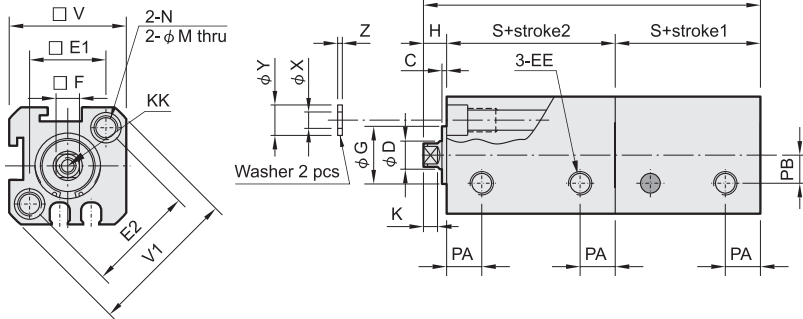
Tube I.D.	Component parts
φ 12	CP-MCJA-3-12(M)
φ 16	CP-MCJA-3-16(M)
φ 20	CP-MCJA-3-20(M)
φ 25	CP-MCJA-3-25(M)
φ 32	CP-MCJA-3-32(M)
φ 40	CP-MCJA-3-40(M)
φ 50	CP-MCJA-3-50(M)
φ 63	CP-MCJA-3-63(M)
φ 80	CP-MCJA-3-80(M)
φ 100	CP-MCJA-3-100(M)

M: With magnet

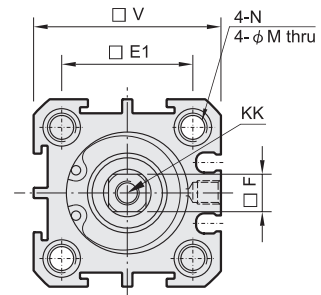
### Repair kits

Tube I.D.	Repair kits
φ 12	PS-MCJA-3-12
φ 16	PS-MCJA-3-16
φ 20	PS-MCJA-3-20
φ 25	PS-MCJA-3-25
φ 32	PS-MCJA-3-32
φ 40	PS-MCJA-3-40
φ 50	PS-MCJA-3-50
φ 63	PS-MCJA-3-63
φ 80	PS-MCJA-3-80
φ 100	PS-MCJA-3-100

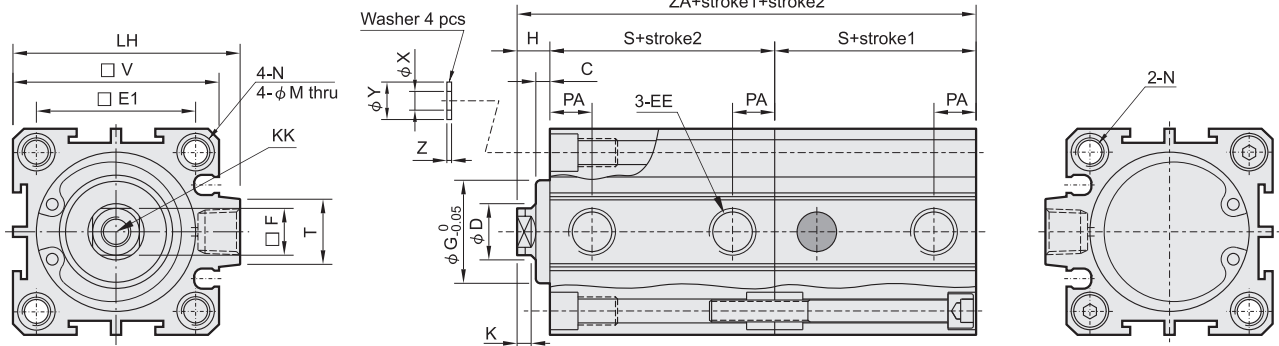
### $\phi 12, \phi 16$



### $\phi 20, \phi 25$



### $\phi 32 \sim \phi 100$



※ Stroke1: First stroke    Stroke2: Total stroke

Code Tube I.D.	C	D	EE	E1	E2	F	G	H	K	KK	LH	M	N	PA	PB
12	1	6	M5×0.8	16.3	23	5	11	5	3	M3×0.5×6 depth	—	4.3	$\phi 6.5 \times 4.5$ depth · M5×0.8×7.5 depth	6.5	6
16	1.5	6	M5×0.8	19.8	28	5	11	5.5	3	M3×0.5×6 depth	—	4.3	$\phi 6.5 \times 4.5$ depth · M5×0.8×7.5 depth	7	6.5
20	1.5	8	M5×0.8	24	—	6	15	5.5	3	M4×0.7×8 depth	—	4.3	$\phi 6.5 \times 4.5$ depth · M5×0.8×7.5 depth	7.5	—
25	2	10	M5×0.8	28	—	8	17	6	3	M5×0.8×10 depth	—	5.1	$\phi 9 \times 7$ depth · M6×1.0×10 depth	8	—
32	3	12	Rc1/8(※1)	34	—	10	22	7	3	M6×1.0×12 depth	48.5	5.1	$\phi 9 \times 7$ depth · M6×1.0×10 depth	9	—
40	3	16	Rc1/4(※1)	40	—	14	28	7	3	M8×1.25×12 depth	56.5	6.9	$\phi 10.5 \times 8$ depth · M8×1.25×12 depth	10	—
50	4	20	Rc1/4(※2)	48	—	17	38	9	3	M10×1.5×15 depth	70	6.9	$\phi 11 \times 8.5$ depth · M8×1.25×16.5 depth	10	—
63	4	20	Rc1/4(※2)	60	—	17	40	9	3	M10×1.5×15 depth	83	6.9	$\phi 11 \times 8.5$ depth · M8×1.25×16.5 depth	12	—
80	5	25	Rc3/8(※3)	74	—	22	45	11	4	M14×1.5×20 depth	102	10.5	$\phi 14 \times 10.5$ depth · M12×1.75×12 depth	13	—
100	5	30	Rc3/8(※3)	90	—	27	55	12	4	M18×1.5×20 depth	122	12.3	$\phi 18.5 \times 13$ depth · M14×2×17 depth	17	—

※1. Without magnet with stroke=5mm, EE=M5×0.8

※3. Without magnet with stroke=5mm, EE=Rc1/4

※2. Without magnet with stroke=5mm, EE=Rc1/8

Code Tube I.D.	T	V	V1	X	Y	Z	Without magnet		Magnet	
							S	ZA	S	ZA
12	—	25	32	3.2	6.3	1	17	39	27	59
16	—	29	38	3.2	6.3	1	18.5	42.5	28.5	62.5
20	—	34	—	3.2	6.3	1	19.5	44.5	29.5	64.5
25	—	40	—	4.2	7.8	1	21	48	31	68
32	14	44	—	4.2	7.8	1	24.5	56	34.5	76
40	14	52	—	6.2	10.3	1.6	26	59	36	79
50	19	62	—	6.2	10.8	1.6	28	65	38	85
63	20	75	—	6.2	10.8	1.6	32	73	42	93
80	27	94	—	8.2	13.8	1.6	41	93	51	113
100	26	114	—	10.2	17.3	2	51	114	61	134

### Long stroke without counter bore

With magnet type:  
The stroke length must be over 100mm.  
Without magnet type:  
The stroke length must be over 110mm.

$\phi 12 \sim \phi 100$

