

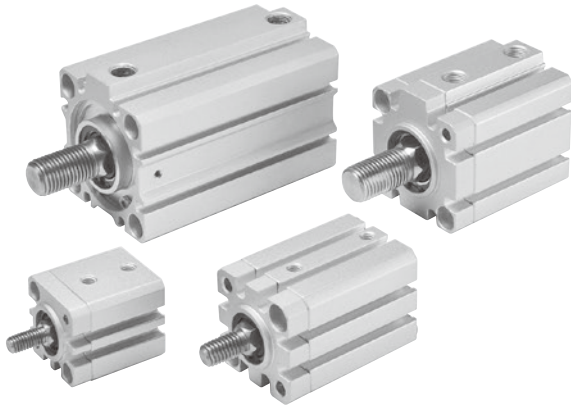


Table for standard stroke

Tube I.D.	Standard stroke
ø12, 16	5,10,15,20,25,30
ø20, 25 (*)	5,10,15,20,25,30,35,40,45,50,75,100
ø32, 40	

* Using long stroke type body when the cylinder stroke is longer than 51 mm.

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

Features

- The profile designs are based on MCJQ.
- Hexagonal rods for non-rotating feature.
- Anodised aluminum tubes provide better corrosion and abrasion resistance.
- Stainless Steel rods for higher corrosion resistance.

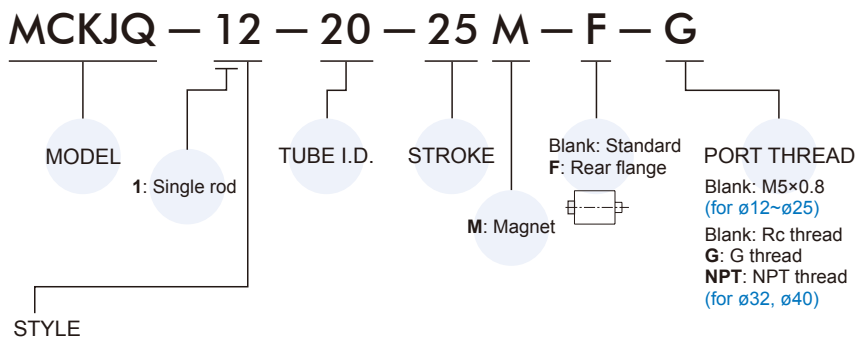
Specification

Model	MCKJQ					
Acting type	Double acting					
Tube I.D. (mm)	12	16	20	25	32	40
Port size	M5×0.8				Rc1/8	
Medium	Air					
Operating perssure range	0.07~1 MPa		0.05~1 MPa			
Proof pressure	1.5 MPa					
Ambient temperature	-5℃~+60℃ (No freezing)					
Available speed range	50~500 mm/sec					
Rod non-rotating accuracy	±1°	±0.7°		±0.5°		
Allowable rotational torque (kgf-cm)	0.4	2	2.5		4.5	
Sensor switch (*)	RCE, RCE1, RDEP					

*1. RCE, RCE1, RDEP specification, please refer to page 8-10, 15.

*2. The cylinder is allowed little leakage. Before the cylinder is sale, it has passed the standard of leakage test.

Order example

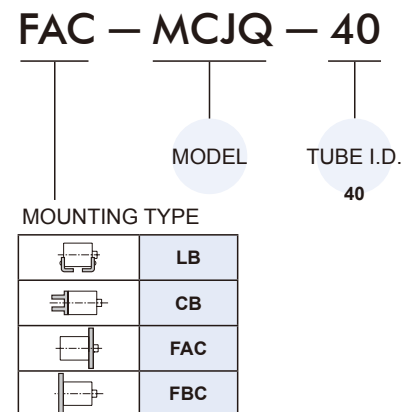


STYLE

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

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

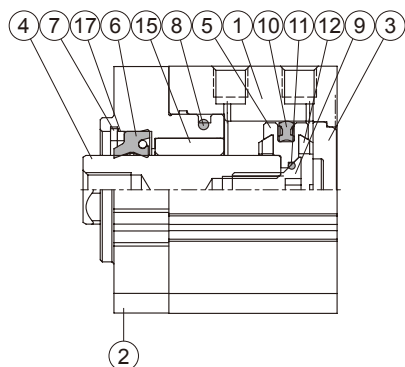
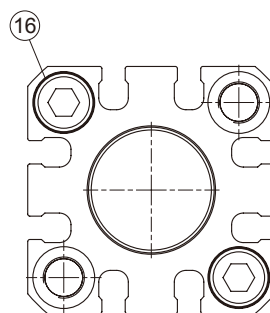
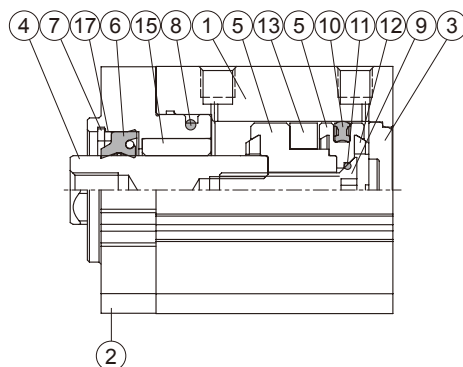
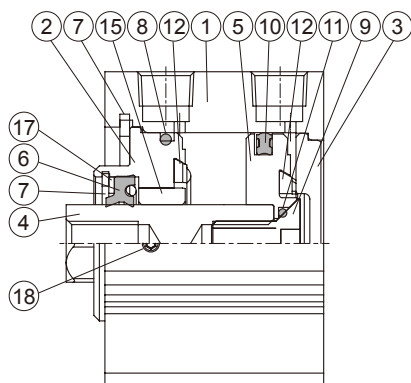
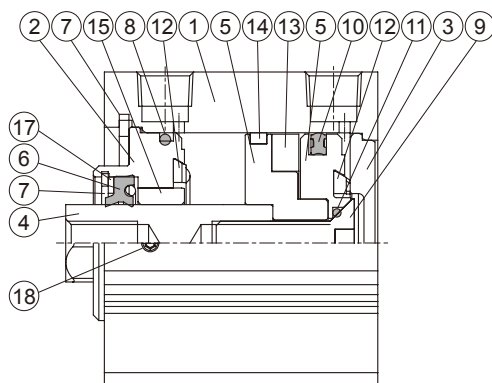
Mounting accessories



* Use the same accessories with MCJQ.

* The mounting accessories only for tube I.D. ø40.

* Refer to MCJQ dimension.

Standard stroke $\phi 12 \sim \phi 32$

Standard stroke $\phi 12 \sim \phi 32$
(with magnet)

Standard stroke $\phi 40$

Standard stroke $\phi 40$
(with magnet)


Standard stroke – Material

No.	Tube I.D. Part name	12	16	20	25	32	40	Note	Q'y	Component parts (inclusion)	Repair kits (inclusion)
1	Body	Aluminum alloy						Hard anodized	1		
2	Rod cover	Aluminum alloy						Anodized	1	●	
3	End cover	Aluminum alloy						Anodized	1	●	
4	Piston rod	Stainless steel							1		
5	Piston	Aluminum alloy						$\phi 12 \sim 32$ Anodized	1	●	
6	Rod packing	NBR							1	●	●
7	Snap ring	Spring steel							1	●	
8	Cover ring	NBR							1	●	●
9	Piston bolt	Stainless steel					SCM		1	●	
10	Piston packing	NBR							1	●	●
11	Piston gasket	NBR							1	●	●
12	Cushion packing	NBR							2	●	●
13	Magnet ring	Magnet							1	●	
14	Wear ring	–					Teflon		1	●	
15	Bush	Bearing alloy							1	●	
16	Bolt	Carbon steel					–		2		
17	Washer	Carbon steel							1	●	
18	Set screw	–					*		1	●	

* Carbon steel

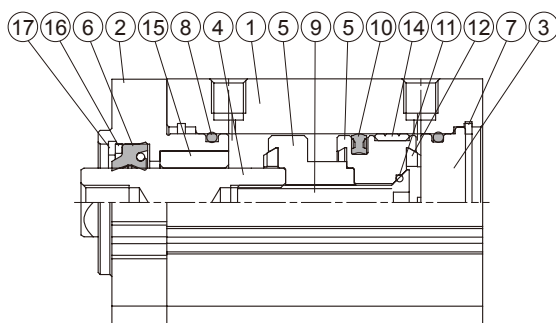
Order example

Component parts / Repair kits

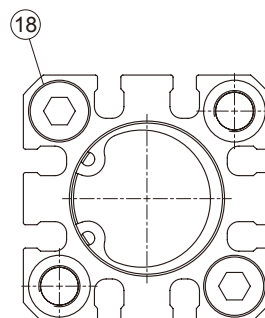
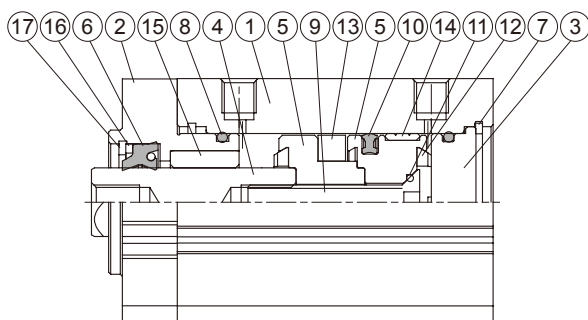
Tube I.D.	Component parts	Repair kits
$\phi 12$	CP-MCKJQ-12(M)	PS-MCKJQ-12
$\phi 16$	CP-MCKJQ-16(M)	PS-MCKJQ-16
$\phi 20$	CP-MCKJQ-20(M)	PS-MCKJQ-20
$\phi 25$	CP-MCKJQ-25(M)	PS-MCKJQ-25
$\phi 32$	CP-MCKJQ-32(M)	PS-MCKJQ-32
$\phi 40$	CP-MCKJQ-40(M)	PS-MCKJQ-40

M: With magnet

Long stroke ø20, ø25



Long stroke ø20, ø25 (with magnet)



Long stroke – Material

No.	Tube I.D. Part name	Material	Note	Q'y	Component parts (inclusion)	Repair kits (inclusion)
1	Body	Aluminum alloy	Hard anodized	1		
2	Rod cover	Aluminum alloy	Anodized	1	●	
3	End cover	Aluminum alloy	Anodized	1	●	
4	Piston rod	Stainless steel		1		
5	Piston	Aluminum alloy	Anodized	1	●	
6	Rod packing	NBR		1	●	●
7	Snap ring	Stainless steel		1	●	
8	Cover ring	NBR		2	●	●
9	Piston bolt	Stainless steel		1	●	
10	Piston packing	NBR		1	●	●
11	Piston gasket	NBR		1	●	●
12	Cushion packing	NBR		2	●	●
13	Magnet ring	Magnet		1	●	
14	Wear ring	Teflon		1	●	
15	Bush	Bearing alloy		1	●	
16	Washer	Carbon steel		1	●	
17	Snap ring	Spring steel		1	●	
18	Bolt	Carbon steel		2		

Order example Component parts

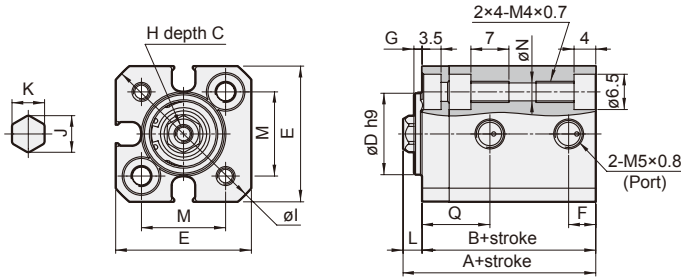
Tube I.D.	Component parts
ø20	CPL-MCKJQ-20(M)
ø25	CPL-MCKJQ-25(M)

M: With magnet

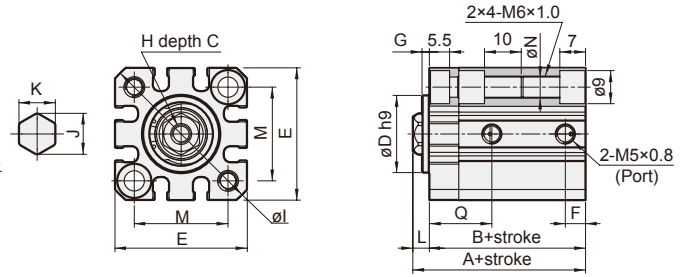
Repair kits

Tube I.D.	Repair kits
ø20	PSL-MCKJQ-20
ø25	PSL-MCKJQ-25

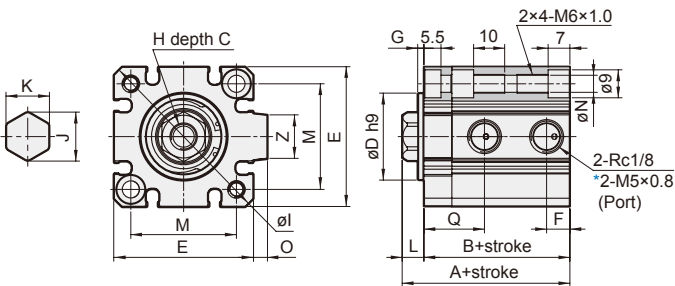
ø12, ø16



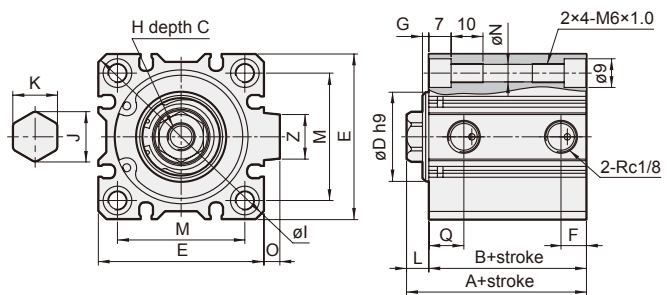
ø20, ø25



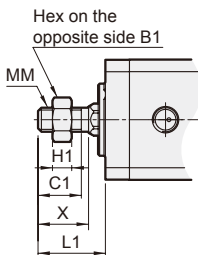
ø32



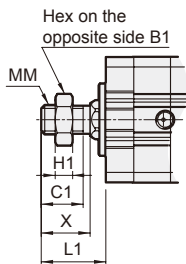
ø40



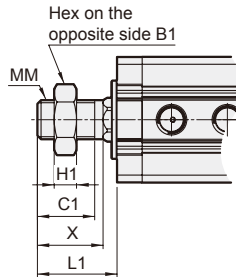
ø12, ø16



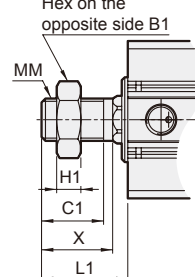
ø20, ø25



ø32



ø40



MCKJQ-11 male thread size

Code Tube I.D.	B1	C1	H1	L1	MM	X
12	8	9	4	14	M5×0.8	10.5
16	10	10	5	15.5	M6×1.0	12
20	13	12	5	18.5	M8×1.25	14
25	17	15	6	22.5	M10×1.25	17.5
32	22	20.5	8	28.5	M14×1.5	23.5
40	22	20.5	8	28.5	M14×1.5	23.5

Code	Standard stroke							Long stroke				C	D	E	F	G	H	I	J	K	L	M	N	O	Q	Z
	Stroke range	Without magnet			Magnet			Stroke range	A	B	F															
		A	B	F	A	B	F																			
12	5~30	25.5	22	—	30.5	27	—	—	—	—	—	6	15 ⁰ _{-0.043}	25	5	1.5	M3×0.5	32	6.74	6	3.5	15.5	3.5	—	12.5	—
16	5~30	27	23.5	—	32	28.5	—	—	—	—	—	8	19 ⁰ _{-0.052}	29	5	1.5	M4×0.7	38	8.96	8	3.5	20	3.5	—	14	—
20	5~50	32	27.5	5.5	42	37.5	5.5	51~100	53.5	49	9	7	21 ⁰ _{-0.052}	36	—	2	M5×0.8	47	11.24	10	4.5	25.5	5.5	—	17	—
25	5~50	35.5	30.5	5.5	45.5	40.5	5.5	51~100	57	52	11	12	22 ⁰ _{-0.052}	40	—	2	M6×1.0	52	13.52	12	5	28	5.5	—	19	—
32	5~50	39	32	—	49	42	—	—	—	—	—	13	28 ⁰ _{-0.052}	45	7.5*	2	M8×1.25	60	15.76	14	7	34	5.5	4.5	19.5*	14
	51~100	49	42	—	49	42	—	—	—	—	—	13	28 ⁰ _{-0.052}	45	7.5*	2	M8×1.25	60	15.76	14	7	34	5.5	4.5	19.5*	14
40	5~50	36.5	29.5	—	46.5	39.5	—	—	—	—	—	13	28 ⁰ _{-0.052}	52	8	2	M8×1.25	70	15.76	14	7	40	5.5	5	11	14
	51~100	46.5	39.5	—	46.5	39.5	—	—	—	—	—	13	28 ⁰ _{-0.052}	52	8	2	M8×1.25	70	15.76	14	7	40	5.5	5	11	14

* Without magnet with stroke=5mm, Port size = M5×0.8, Q=20.5, F=5.5