



Features

■ Non lubrication

- Special housing and bushing enables self lubrication of piston rod.

■ High quality long service life

- Cylinder with hexagonal rod design enables non-rotation of rod.
- Hard anodised stainless steel cylinder tubes offer a high resistance to corrosion and low internal friction.
- Cylinder mountings, available with a comprehensive range of accessories for rigid or flexible mounting.
- Magnetic as standard.

Specification

Model	MCKMB		
Tube I.D. (mm)	20	25	40
Port size	Rc1/8		Rc1/4
Medium	Air		
Operating pressure	0.05 ~ 0.7 MPa		
Proof pressure	1 MPa		
Ambient temperature	-5~+60°C (No freezing)		
Lubricator	Not required		
Available speed range	50~500 mm/sec		
Rod non-rotating accuracy	± 0.7°		± 0.5°
Allowable rotational torque	2.0 kgf-cm	2.5 kgf-cm	4.5 kgf-cm
Sensor switch (※)	RCA, RCM		
Sensor switch band	BA20	BA25	BA40
	BGS20	BGS25	BGS40
	BM20	BM25	BM40

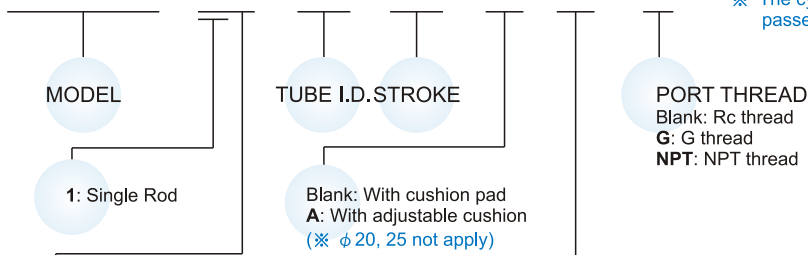
Table for standard stroke

Tube I.D.	Stroke (mm)
φ20, 25, 40	25, 50, 75, 100, 125, 150, 200, 250, 300

※ Please consult us if stroke out of specification.

Order example

MCKMB-11-40-50-A-N-G



END COVER TYPE

Code	Symbol	Description
Blank		Standard type
N		End -plain
E		With pivot type

STYLE

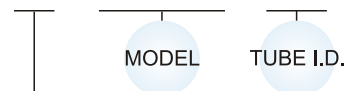
Code	Symbol	Description
1 1		Double acting / Male thread

※ Order example for special specification, refer to page J-03.

Mounting accessories

※ Use the same accessories with MCMB

LB-MCMB-40



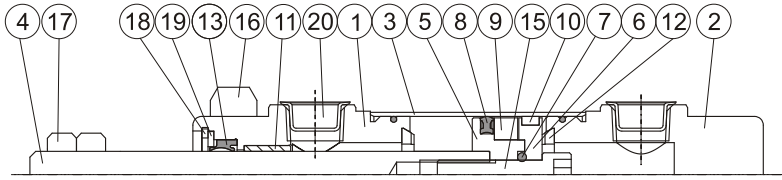
MOUNTING TYPE

	LB
	CA
	CB
	FA
	FB
	SDB
	TA
	TB
	Y
	I

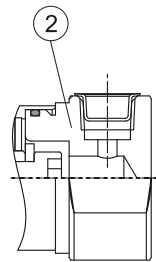
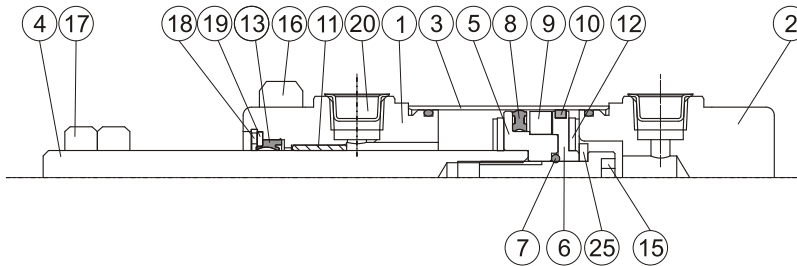
for end cover "E" type

Cushion pad type

$\phi 20$

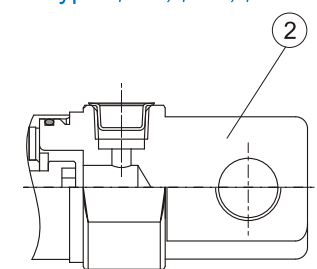
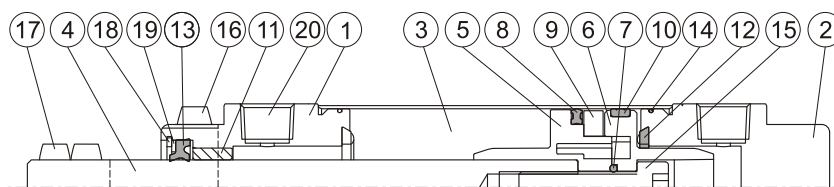


$\phi 25$



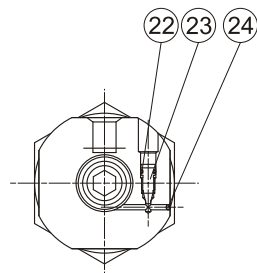
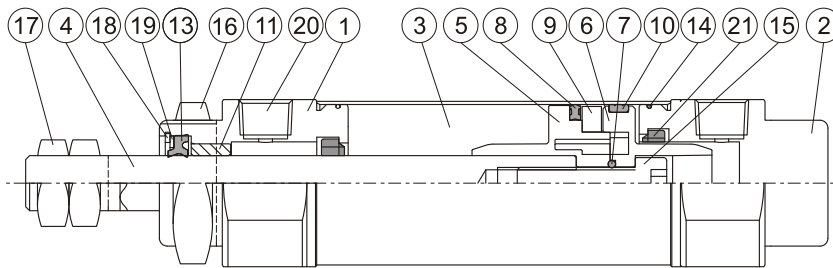
N type: $\phi 20, \phi 25, \phi 40$

$\phi 40$



Cushion air type

E type: $\phi 25, \phi 25, \phi 40$

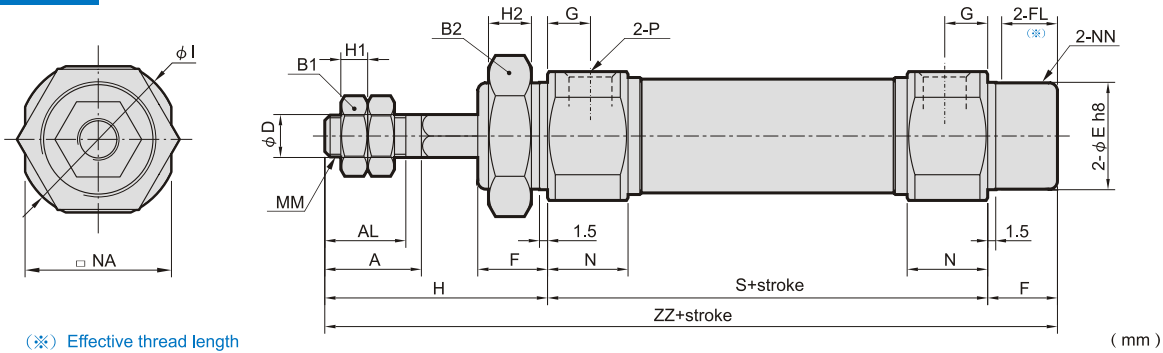


Material

No.	Cushion		Part name	Material
	Pad	Air		
1	●	●	Rod cover	Aluminum alloy
2	●	●	Head cover	Aluminum alloy
3	●	●	Tube	Stainless steel
4	●	●	Piston rod	Stainless steel
5	●	●	Piston-R	Polyurethane
6	●	●	Piston-H	Polyurethane
7	●	●	Piston gasket	NBR
8	●	●	Piston packing	NBR
9	●	●	Magnet ring	Magnet material
10	●	●	Wear ring	Teflon + Graphite
11	●	●	Rod bush	Bearing alloy
12	●	●	Cushion gasket	NBR
13	●	●	Rod packing	NBR

No.	Cushion		Part name	Material
	Pad	Air		
14	●	●	Cover ring	NBR
15	●	●	Piston bolt	SCM
16	●	●	Tie nut	Carbon steel
17	●	●	Rod front nut	Carbon steel
18	●	●	Snap ring	Spring steel
19	●	●	Washer	Carbon steel
20	●	●	Port plug	Plastic
21		●	Cushion packing	NBR
22		●	Needle valve packing	NBR
23		●	Needle valve	Carbon steel
24		●	Steel ball	Stainless steel
25	●		washer	Carbon steel

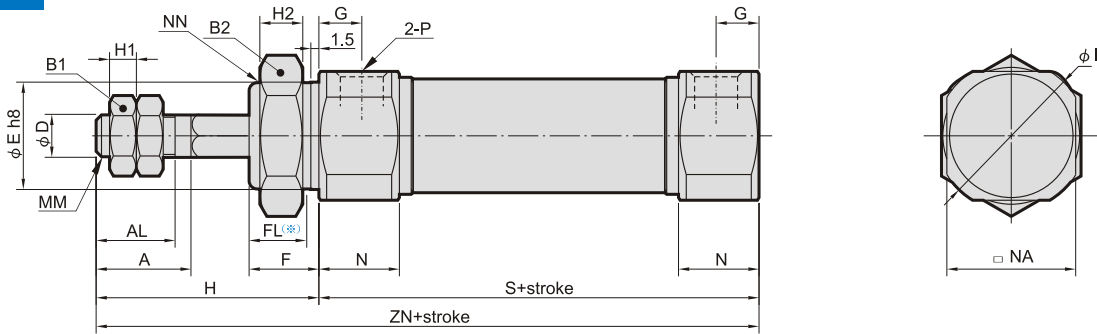
11



(※) Effective thread length

Code Tube I.D.	A	AL	B1	B2	D	E	F	FL	G	H	H1	H2	I	MM	N	NA	NN	P	S	ZZ
20	18	15.5	13	26	8	20 ⁰ _{-0.03}	13	10.5	8	41	5	8	28	M8×1.25	15	24	M20×1.5	Rc1/8	62	116
25	22	19.5	17	32	10	26 ⁰ _{-0.03}	13	10.5	8	45	6	8	33.5	M10×1.25	15	30	M26×1.5	Rc1/8	62	120
40	24	21	22	41	14	32 ⁰ _{-0.04}	16	13.5	11	50	8	10	46.5	M14×1.5	21.5	42.5	M32×2.0	Rc1/4	88	154

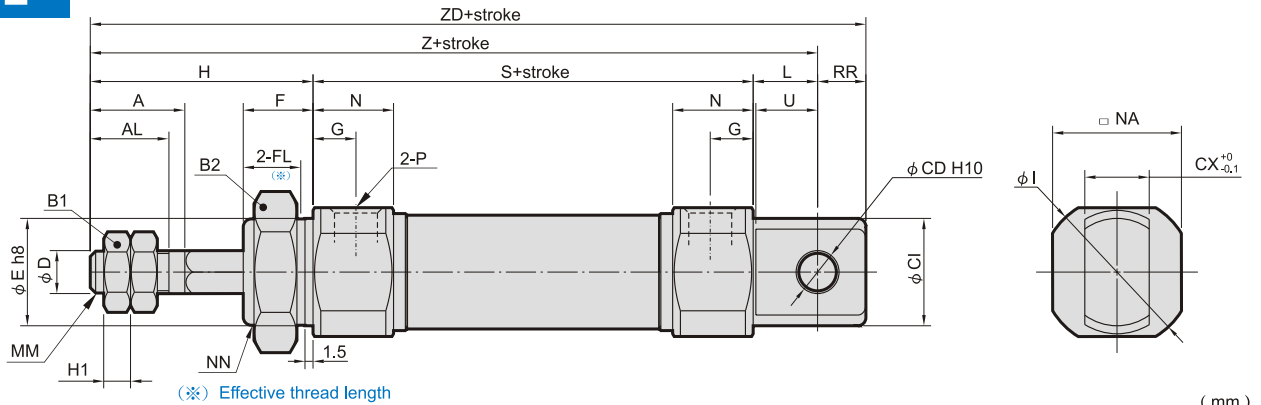
N



(※) Effective thread length

Code Tube I.D.	A	AL	B1	B2	D	E	F	FL	G	H	H1	H2	I	MM	N	NA	NN	P	S	ZN
20	18	15.5	13	26	8	20 ⁰ _{-0.03}	13	10.5	8	41	5	8	28	M8×1.25	15	24	M20×1.5	Rc1/8	62	103
25	22	19.5	17	32	10	26 ⁰ _{-0.03}	13	10.5	8	45	6	8	33.5	M10×1.25	15	30	M26×1.5	Rc1/8	62	107
40	24	21	22	41	14	32 ⁰ _{-0.04}	16	13.5	11	50	8	10	46.5	M14×1.5	21.5	42.5	M32×2.0	Rc1/4	88	138

E



(※) Effective thread length

Code Tube I.D.	A	AL	B1	B2	CD	CX	CI	D	E	F	FL	G	H	H1	I	L	MM	N	NA	NN	P	RR	S	U	Z	ZD
20	18	15.5	13	26	8	12	20	8	20 ⁰ _{-0.03}	13	10.5	8	41	5	28	12	M8×1.25	15	24	M20×1.5	Rc1/8	9	62	11.5	115	124
25	22	19.5	17	32	8	12	22	10	26 ⁰ _{-0.03}	13	10.5	8	45	6	33.5	12	M10×1.25	15	30	M26×1.5	Rc1/8	9	62	11.5	119	128
40	24	21	22	41	10	20	33	14	32 ⁰ _{-0.04}	16	13.5	11	50	8	46.5	15	M14×1.5	21.5	42.5	M32×2.0	Rc1/4	12	88	14.5	153	165