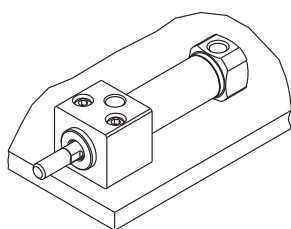


MCMBR* series

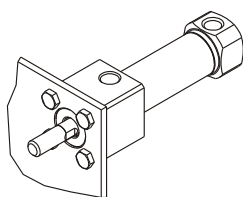
MINIATURE CYLINDERS



Mounting:



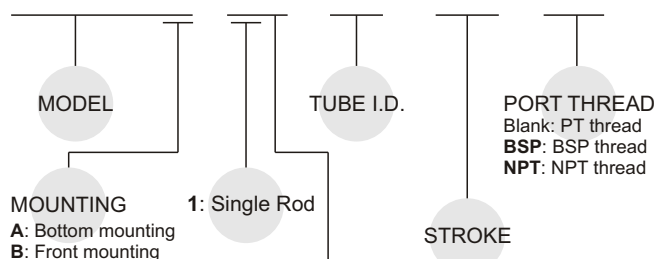
A: Bottom mounting



B: Front mounting

Order example:

MCMBRA-11-25-100-BSP



STYLE:

Code	Symbol	Description
1 1		Double acting / Male thread

Features:

■ Compact type:

The cylinder can be directly mounted without brackets (You have brackets) the overall length is shorter and so it will fit into a more confined space. This gives the benefit of saving space when installing the cylinder.

■ Improved strength and accuracy of installation.

■ Two installation methods.

■ Cylinder can be front mounted, or mounted from underneath.

■ Magnetic as standard.

Specification:

Model	MCMBRA, MCMBRB			
Tube I.D. (mm)	φ 20	φ 25	φ 32	φ 40
Port size	PT 1/8			PT 1/4
Medium	Air			
Max operating pressure	9.9 kgf/cm ²			
Min operating pressure	0.5 kgf/cm ²			
Proof pressure	15 kgf/cm ²			
Ambient temperature	- 5~ + 60°C (No freezing)			
Lubrication	Not required			
Available speed range	50~500mm/sec			
Cushion	with rubber cushion pad			
Sensor switch	RCA, RCM			
Sensor switch band	BA20	BA25	BA32	BA40
	BGS20	BGS25	BGS32	BGS40
	BM20	BM25	BM32	BM40

● Sensor switch band BM** only for RCM.

Table for standard stroke

Tube I.D.	Stroke (mm)
φ 20, 25, 32, 40	25, 50, 75, 100, 125, 150, 200, 250, 300

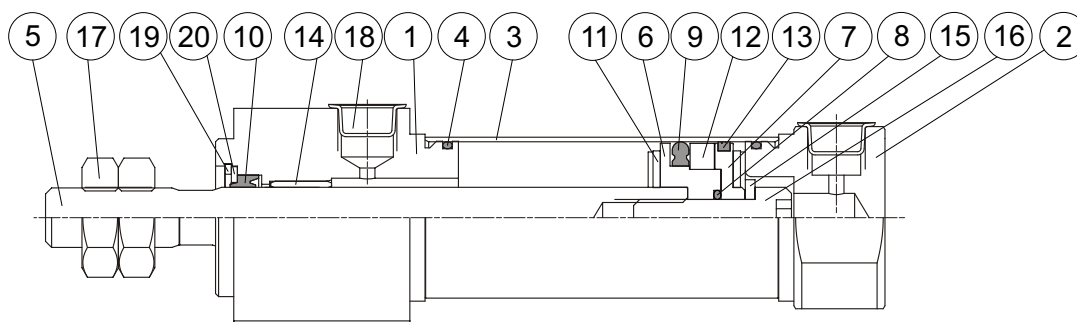
MCMBR* Inside structure & Parts list

MINIATURE CYLINDERS



Cushion pad type

$\phi 20 \sim \phi 40$



Material :

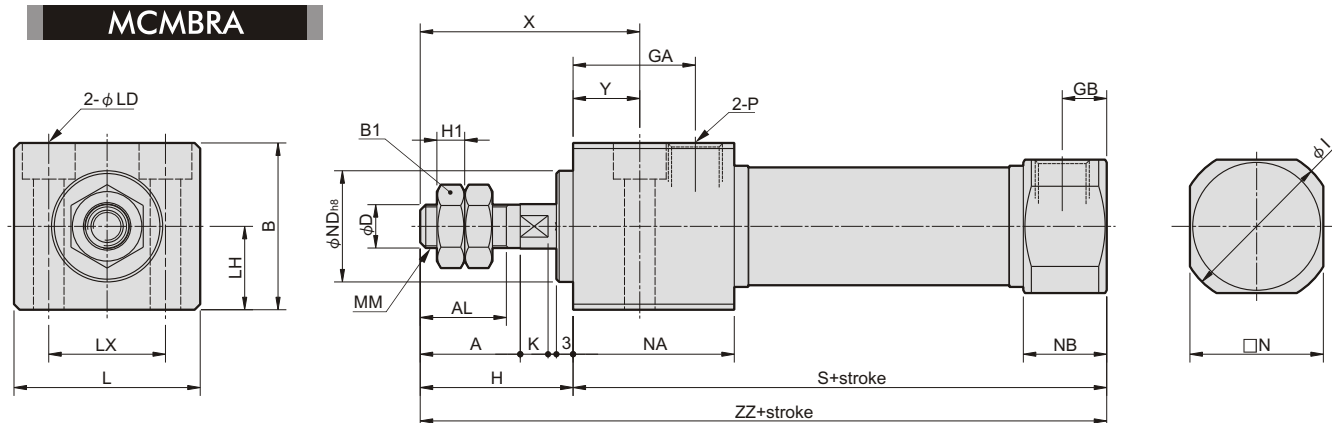
No.	Cushion pad	Tube I.D.	20	25	32	40	Note
1	●	Rod cover	Aluminum alloy				
2	●	Head cover	Aluminum alloy				
3	●	Tube	Stainless steel				
4	●	Cover ring	NBR				
5	●	Piston rod	Medium carbon steel				
6	●	Piston-R	※1	※2	Polyurethane	※1: Polyurethane	
7	●	Piston-H	※1	※2	Polyurethane	※2: Aluminum alloy	
8	●	Piston gasket	NBR				
9	●	Piston packing	NBR				
10	●	Rod packing	NBR				
11	●	Cushion gasket	NBR				
12	●	Magnet ring	Magnet material				
13	●	Wear ring	Teflon + Graphite				
14	●	Rod bush	Bearing alloy				
15	●	Washer	Carbon steel				only for $\phi 25$
16	●	Piston bolt	SCM				
17	●	Rod front nut	Carbon steel				
18	●	Port plug	Plastic				
19	●	Snap ring	Spring steel				
20	●	Washer	Carbon steel				

MCMBR* Dimensions / Double acting $\phi 20 \sim \phi 40$

MINIATURE CYLINDERS



MCMBRA

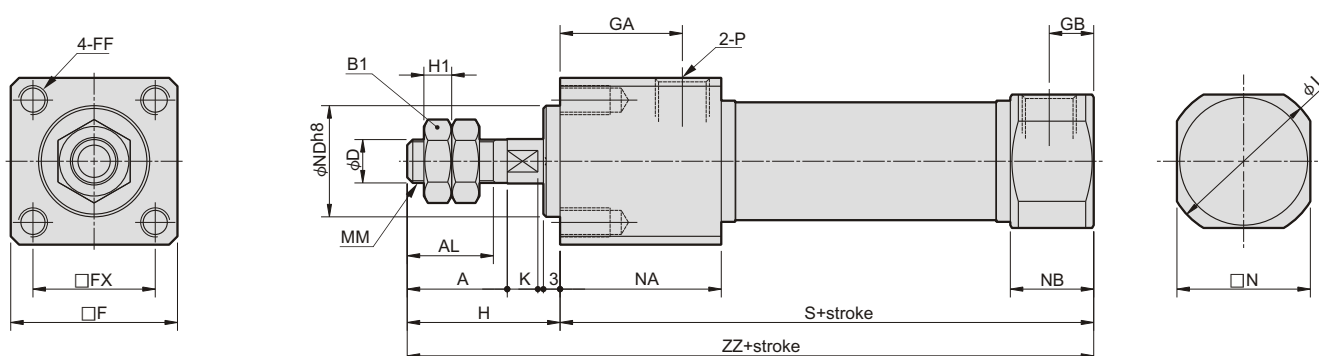


(mm)

Code Tube I.D.	A	AL	B	B1	D	GA	GB	H	H1	I	K	L	LD	LH	LX	MM	N	NA	NB	ND
20	18	15.5	30	13	8	22	8	27	5	28	5	33.5	$\phi 5.5$ thru, $\phi 9.5 \times 6.5$ depth	15	21	M8 $\times$ 1.25	24	29	15	20 ⁰ _{-0.033}
25	22	19.5	36	17	10	22	8	31	6	33.5	5	39	$\phi 6.6$ thru, $\phi 11 \times 7.5$ depth	18	25	M10 $\times$ 1.25	30	29	15	26 ⁰ _{-0.033}
32	22	19.5	42	17	12	22	8	31	6	37.5	5.5	47	$\phi 9$ thru, $\phi 14 \times 10$ depth	21	30	M10 $\times$ 1.25	34.5	29	15	26 ⁰ _{-0.033}
40	24	21	52	22	14	27	11	34	8	46.5	7	58.5	$\phi 11$ thru, $\phi 17.5 \times 12.5$ depth	26	38	M14 $\times$ 1.5	42.5	37.5	21.5	32 ⁰ _{-0.039}

Code Tube I.D.	P	S	X	Y	ZZ
20	PT 1/8	76	39	12	103
25	PT 1/8	76	43	12	107
32	PT 1/8	78	43	12	109
40	PT 1/4	104	49	15	138

MCMBRB



(mm)

Code Tube I.D.	A	AL	B1	D	F	FF	FX	GA	GB	H	H1	I	K	MM	N	NA	NB	ND	P	S	ZZ
20	18	15.5	13	8	30	M5 $\times$ 0.8 $\times$ 9depth	22	22	8	27	5	28	5	M8 $\times$ 1.25	24	29	15	20 ⁰ _{-0.033}	PT 1/8	76	103
25	22	19.5	17	10	36	M6 $\times$ 1.0 $\times$ 11depth	26	22	8	31	6	33.5	5	M10 $\times$ 1.25	30	29	15	26 ⁰ _{-0.033}	PT 1/8	76	107
32	22	19.5	17	12	42	M6 $\times$ 1.0 $\times$ 11depth	30	22	8	31	6	37.5	5.5	M10 $\times$ 1.25	34.5	29	15	26 ⁰ _{-0.033}	PT 1/8	78	109
40	24	21	22	14	52	M8 $\times$ 1.25 $\times$ 14depth	36	27	11	34	8	46.5	7	M14 $\times$ 1.5	42.5	37.5	21.5	32 ⁰ _{-0.039}	PT 1/4	104	138

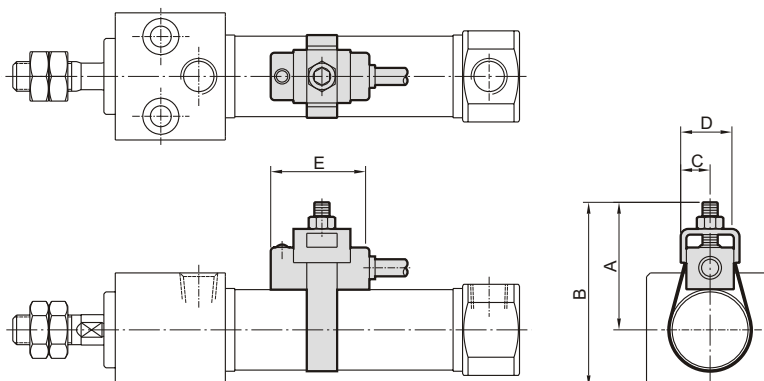
MCMBR* Installation of sensor switch $\phi 20 \sim \phi 40$

MINIATURE CYLINDERS



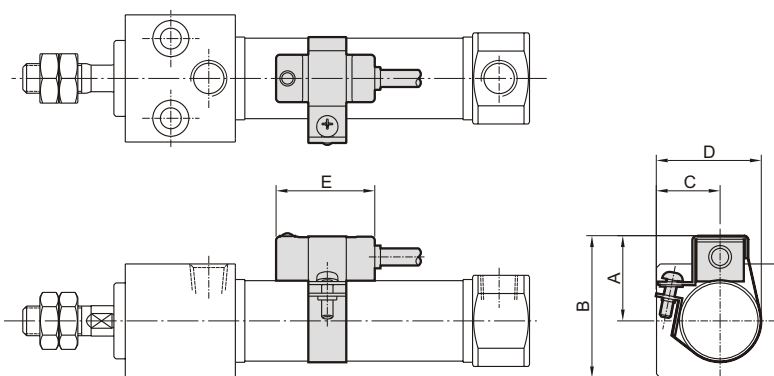
Sensor switch: RCA
Sensor switch band: BA**

Code Tube I.D.	A	B	C	D	E
20	34	49	8	16	26
25	37	55	8	16	26
32	40	62	8	16	26
40	44	71	8	16	26



Sensor switch: RCA
Sensor switch band: BGS**

Code Tube I.D.	A	B	C	D	E
20	25	40	18	30	26
25	25.5	43.5	18.5	33.5	26
32	29	50.5	22	39.5	26
40	33	60	26	47.5	26



Sensor switch: RCM
Sensor switch band: BM**

Code Tube I.D.	A	B	C	D	E
20	22	37	10	16	28
25	25	43	10	16	28
32	28	50	10	16	28
40	32	59	10	16	28

