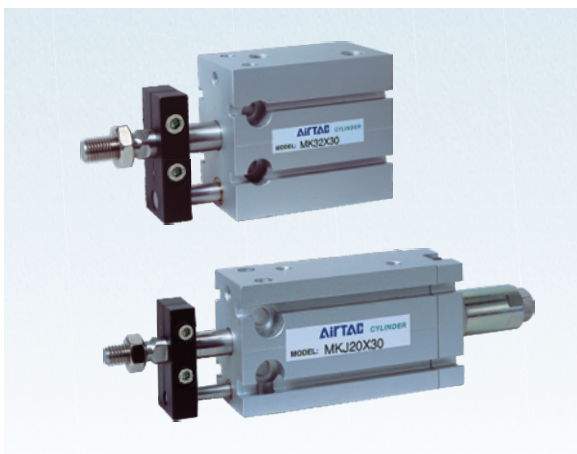


Multi-mount cylinder

MK Series



Specification

Bore size(mm)	6	10	16	20	25	32
Acting type	MK, MKD, MKJ					
	MSK, MTK					
Fluid	Air(to be filtered by 40 μ m filter element)					
Operating pressure	Double acting: 0.1~1.0MPa(14~145psi)					
	Single acting: 0.2~1.0MPa(28~145psi)					
Proof pressure	1.5MPa(215psi)					
Temperature °C	-20~80					
Speed range mm/s	Double acting: 30~500 Single acting: 50~500					
Stroke tolerance	$\begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$					
Cushion type	Bumper					
Port size ①	M5 × 0.8					1/8"

① PT thread, NPT thread and G thread are available. Add) Refer to P397~420 for detail of sensor switch.

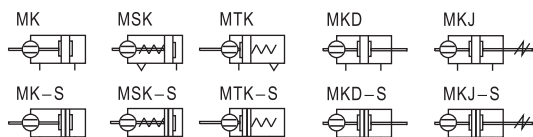
Stroke

Bore size (mm)	Standard stroke (mm)										Max. std stroke	Max. stroke
6	Double acting	5	10	15	20	25	30	35			35	40
	Single acting	5	10	15	20						20	-
10	Double acting	5	10	15	20	25	30	35			35	40
	Single acting	5	10	15	20						20	-
16	Double acting	5	10	15	20	25	30	40	50		50	70
	Single acting	5	10	15	20						20	-
20	Double acting	5	10	15	20	25	30	40	50	60	60	80
	Single acting	5	10	15	20						20	-
25	Double acting	5	10	15	20	25	30	40	50	60	60	80
	Single acting	5	10	15	20						20	-
32	Double acting	5	10	15	20	25	30	40	50	60	60	80
	Single acting	5	10	15	20						20	-

Note) 1. Please contact the company for other special strokes.

2. The dimensions of non-std stroke cylinder has the same dimensions as the next longer stroke std. stroke cylinder. e.g. 23mm stroke cylinder has the same dimensions of 25 std. stroke cylinder.

Symbol



Product feature

1. Manufactured by our enterprise.
2. There are several fixation ways for the cylinder, and also convenient to install and use.
3. Several cylinders can be assembled together to effectively save the installation space.
4. The guide precision of piston rod is high and no additional lubricant is needed.
5. Fixated block is attached to piston rod, which prevents it from rotating.
6. Various cylinders are available for your choice.
7. The seal material with high temperature resistance is adopted to guarantee the normal operation of cylinder at 150°C(Option).

Ordering code

MK 32 × 30 S			
MKD 32 × 30 S			
MKJ 32 × 30-30 S			
Model	Thread type ①		
	Blank: PT		
	T: NPT		
	G: G		
	Magnet		
Bore size	Blank: Without magnet		
	S: With magnet		
	Adjustable stroke		
	Model	Adjustable stroke	
	MKJ	10: 10mm	
Stroke		20: 20mm	
		30: 30mm	
Others No this code			
Refer to stroke table for details			

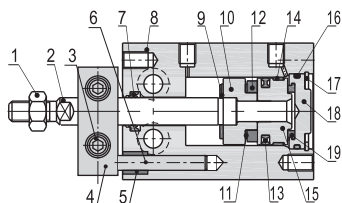
① When the thread is standard, the code is blank.

Multi-mount cylinder

MK Series

Inner structure and material of major parts

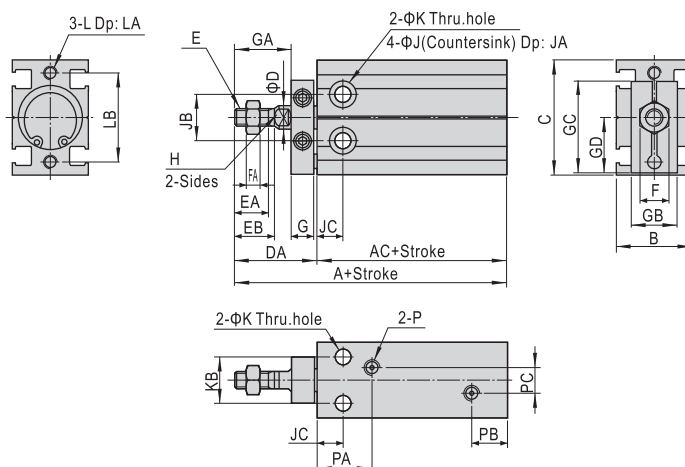
MK-S



NO.	Item	Material
1	Rod nut	Carbon steel
2	Piston rod	Stainless steel
3	Screw	Carbon steel
4	No-rotating plate	Aluminum alloy
5	Bushing	Brass
6	Fixed rod	Stainless steel
7	Rod packing	NBR
8	Body	Aluminum alloy
9	Bumper	TPU
10	Magnet holder	Aluminum alloy
11	Magnet washer	NBR
12	Magnet	Sintered metal(Neodymium-iron-boron)
13	Piston seal	NBR
14	Wear ring	Wear resistant material
15	Piston	Aluminum alloy
16	O-ring	NBR
17	C-clip	Spring steel
18	Back cover	Aluminum alloy
19	Bumper	TPU

Dimensions

MK

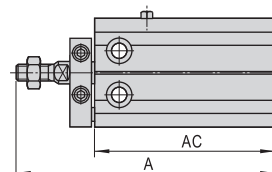


Bore size\Item	A(Without magnet)	A(With magnet)	AC(Without magnet)	AC(With magnet)	B	C
6	51	51	33	33	16.5	22
10	57	57	36	36	16.5	24
16	56	66	30	40	20	32
20	65	75	36	46	26	40
25	73	83	40	50	32	50
32	84	94	42	52	40	62

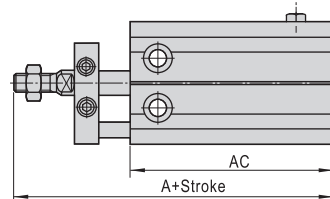
Bore size\Item	D	DA	E	EA	EB	F	FA	G	GA	GB	GC	GD	H	J	JA
6	3	18	M3 × 0.5	7	8	5.5	2.5	8	9	11	19	10.9	-	6	5
10	4	21	M4 × 0.7	10	11	7	2	8	12	13	20.5	11.9	-	6	5.5
16	6	26	M5 × 0.8	11	12.5	8	4	8	17	13	26.5	15.9	5	7.5	6.5
20	8	29	M6 × 1.0	12	14	10	5	8	20	16	32	19.8	6	9.5	8
25	10	33	M8 × 1.25	15.5	18	12	6	10	22	19	40	24.8	8	9.5	9
32	12	42	M10 × 1.25	19.5	22	17	6	12	29	24	49	30.8	10	11	11.5

Bore size\Item	JB	JC	K	KB	L	LA	LB	P	PA	PB	PC
6	10	7	3.3	7	M3 × 0.5	5	17	M5 × 0.8	14	10	-
10	11	7	3.3	9	M3 × 0.5	5	18	M5 × 0.8	15.5	10	-
16	14	7	4.5	12	M4 × 0.7	5	25	M5 × 0.8	14.5	10	3
20	16	9	5.5	16	M5 × 0.8	7.5	30	M5 × 0.8	19	11	9
25	20	10	5.5	20	M5 × 0.8	8	38	M5 × 0.8	21.5	8.5	12
32	24	11	6.5	24	M6 × 1.0	9	48	1/8"	23	12.5	13

MSK



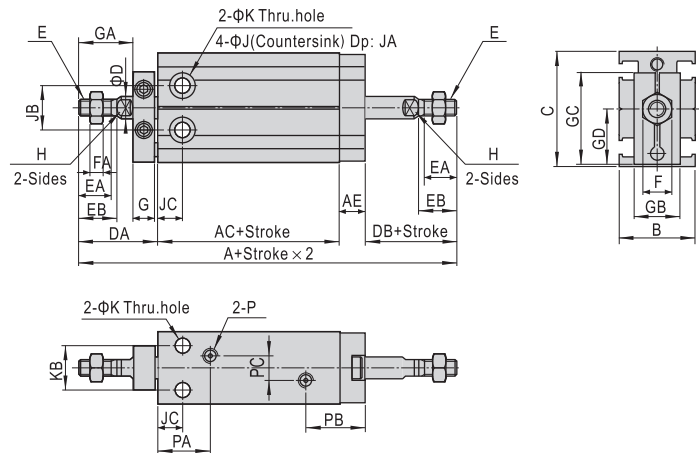
MTK



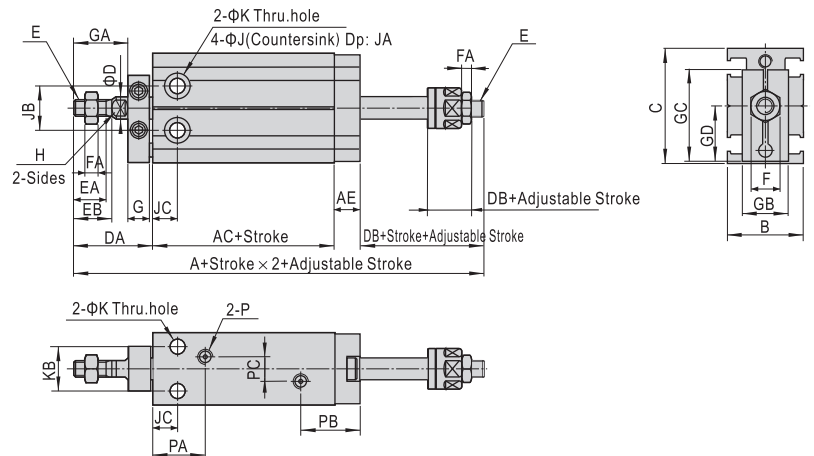
Item	A(Without magnet)				A(With magnet)				AC(Without magnet)				AC(With magnet)			
Bore size\Stroke	5St	10St	15St	20St	5St	10St	15St	20St	5St	10St	15St	20St	5St	10St	15St	20St
6	61	66	76	81	61	66	76	81	43	48	58	63	43	48	58	63
10	67	72	82	87	67	72	82	87	46	51	61	66	46	51	61	66
16	71	76	91	96	81	86	101	106	45	50	65	70	55	60	75	80
20	80	85	100	105	90	95	110	115	51	56	71	76	61	66	81	86
25	88	93	108	113	98	103	118	123	55	60	75	80	65	70	85	90
32	99	104	119	124	109	114	129	134	57	62	77	82	67	72	87	92

Remark) The unmarked dimension is the same as MK standard type.

MKD



MKJ



Bore size\Item	A(Without magnet)		A(With magnet)		AC(Without magnet)	AC(With magnet)	AE	B	C	D	DA	DB	
	MKD	MKJ	MKD	MKJ								MKD	MKJ
6	75	75	75	75	38	38	6	16.5	22	3	18	13	13
10	79	78	79	78	36	36	6	16.5	24	4	21	16	14.7
16	79.5	80.5	89.5	90.5	30	40	7.5	20	32	6	26	16	17
20	93	95	103	105	36	46	9	26	40	8	29	19	21
25	105	107	115	117	40	50	9	32	50	10	33	23	25
32	121	121	131	131	42	52	10	40	62	12	42	27	27

Bore size\Item	E	EA	EB	F	FA	G	GA	GB	GC	GD	H	J	JA	JB
6	M3 × 0.5	7	8	5.5	2.5	8	9	11	19	10.9	-	6	5	10
10	M4 × 0.7	10	11	7	2	8	12	13	20.5	11.9	-	6	5.5	11
16	M5 × 0.8	11	12.5	8	4	8	17	13	26.5	15.9	5	7.5	6.5	14
20	M6 × 1.0	12	14	10	5	8	20	16	32	19.8	6	9.5	8	16
25	M8 × 1.25	15.5	18	12	6	10	22	19	40	24.8	8	9.5	9	20
32	M10 × 1.25	19.5	22	17	6	12	29	24	49	30.8	10	11	11.5	24

Bore size\Item	JC	K	KB	P	PA	PB	PC
6	7	3.3	7	M5 × 0.8	14	16	-
10	7	3.3	9	M5 × 0.8	15.5	16	-
16	7	4.5	12	M5 × 0.8	14.5	17.5	3
20	9	5.5	16	M5 × 0.8	19	20	9
25	10	5.5	20	M5 × 0.8	21.5	17.5	12
32	11	6.5	24	1/8"	23	22.5	13

MD,MK



MD,MK