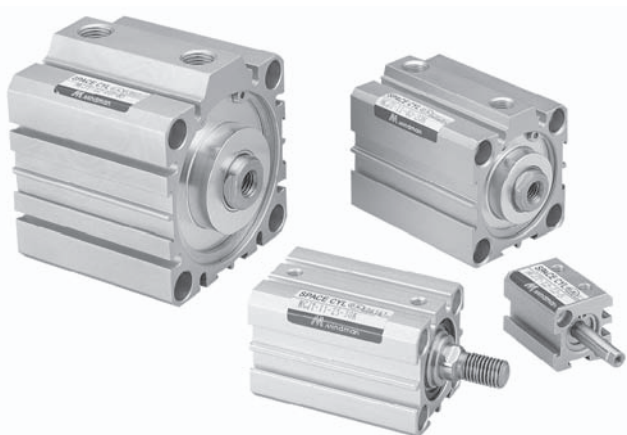


MCJT series $\phi 12 \sim \phi 100$

COMPACT CYLINDERS



Order example:

MCJT – 12 – 40 – 25(M) – BSP

MODEL

TUBE I.D.

M: Magnet

1: Single Rod
2: Double Rod

STROKE

PORT THREAD
Blank: PT thread
BSP: BSP thread
NPT: NPT thread

STYLE:

Code	Symbol	Description
1 1		Double acting / Male thread
1 2		Double acting / Female thread
1 3		Single acting / Normally extended male thread
1 4		Single acting / Normally extended female thread
1 5		Single acting / Normally returned male thread
1 6		Single acting / Normally returned female thread
2 1		Dual rod / Male thread
2 2		Dual rod / Female thread
2 7		Dual rod / Adjustable male thread
2 8		Dual rod / Adjustable female thread

Features:

- Ultra-compact, lightweight, space-saving type.
- Available with a comprehensive selection of bore size ($\phi 12\text{mm} \sim \phi 100\text{mm}$) for the various needs.
- The highly accurate, air-driven push-pull work.

Model		MCJT									
Acting type		Double acting / Single acting						Double acting			
Tube I.D. (mm)		12	16	20	25	32	40	50	63	80	100
Port size RC(PT)		M5×0.8			PT 1/8		PT 1/4		PT 3/8		
Medium		Air									
Operating pressure kgf/cm ²	Double acting	0.5~9.9		0.3~9.9		0.2~9.9					
	Single acting	2.0~9.9		1.5~9.9		1.0~9.9			—		
Proof pressure		15 kgf/cm ²									
Ambient temperature		− 5~+ 60℃ (No freezing)									
Sensor switch		RCB, RCE, RCE1									

Double acting - Table for standard stroke

	Tube I.D.	Stroke (mm)	Max. stroke
Single rod	$\phi 12, \phi 16$	5, 10, 15, 20, 25, 30	300
	$\phi 20, 25, 32$ $\phi 40, 50, 63$	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	300
	$\phi 80 \sim 100$	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	125
Dual rod	$\phi 12, \phi 16$	5, 10, 15, 20, 25, 30	300
	$\phi 20, 25, 32$ $\phi 40, 50, 63$	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	300
	$\phi 80 \sim 100$	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	125

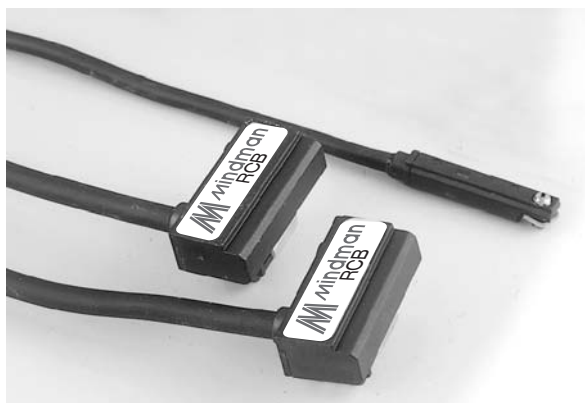
- Stroke out of specification is also available.
- Please consult us if stroke out of specification.

Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
$\phi 12, 16, 20, 25, 32, 40$	5, 10
$\phi 50$	10, 20

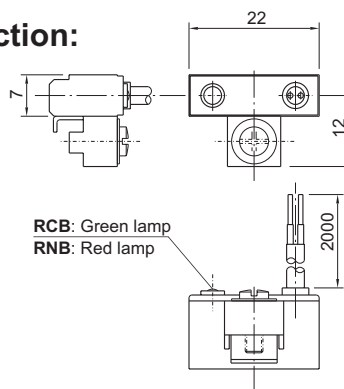
MCJT Sensor switch

COMPACT CYLINDERS



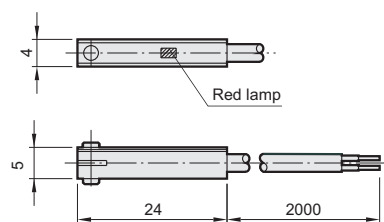
Construction:

RCB
RNB

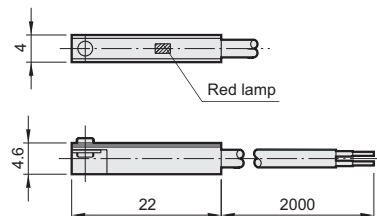


RCB: Green lamp
RNB: Red lamp

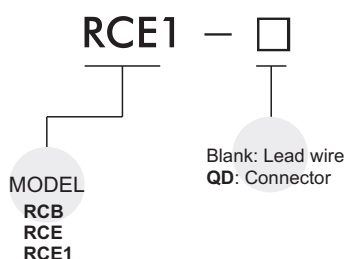
RCE
RNE



RCE1
RNE1

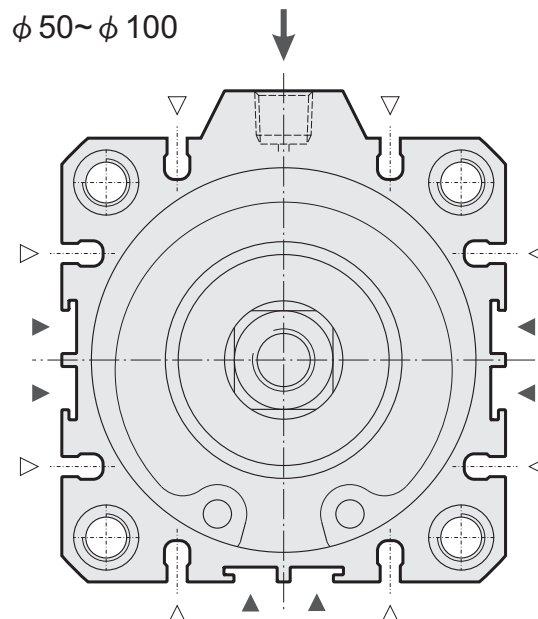
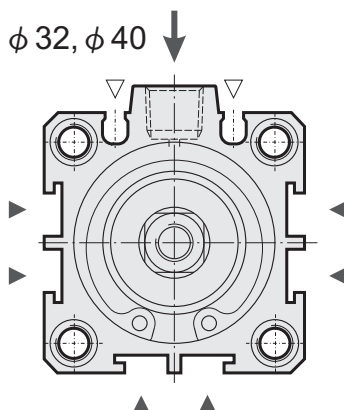
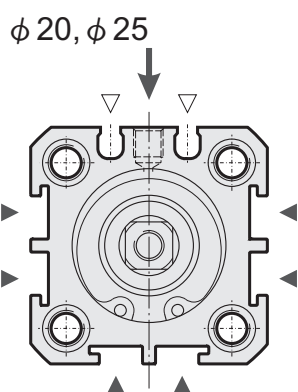
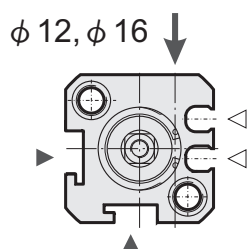


Order example:



Description:

- ↓ port
- ▼ RCB switch
- ▽ RCE, RCE1 switch

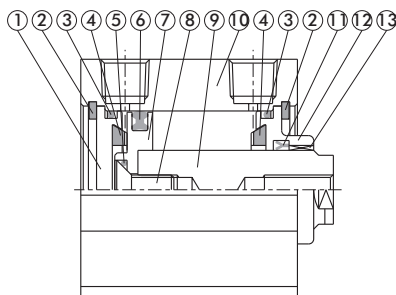


MCJT Inside structure & Parts list

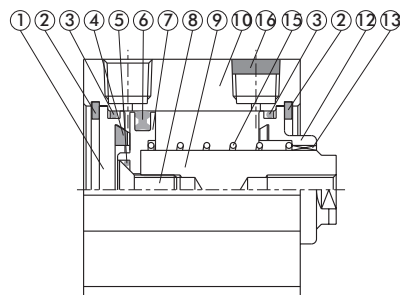
COMPACT CYLINDERS



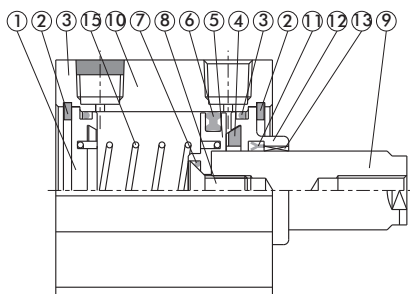
Double acting



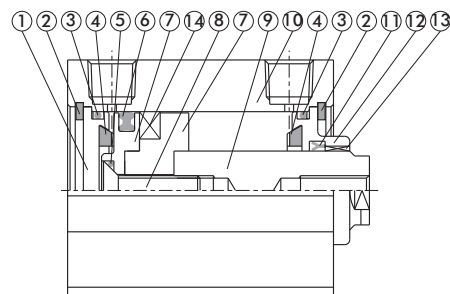
Single acting Normally returned



Single acting Normally extended



Double acting (with magnet)



Seal kit

Acting type	Rod packing		Piston packing		Cover ring	Piston gasket
	Double action normally extended	Normally returned	Double action	Single action	Double action single action	Double action single action
Qty.	1	0	1	1	2	1
12	KSYR-6	—	OPA-12	OPA-12	S-12	d4 × w1
16	KSYR-8	—	OPA-16	OPA-16	S-14	d4 × w1
20	KSYR-10A	—	OPA-20	OPA-20	S-18	d6 × w1
25	KSYR-12	—	OPA-25	OPA-25	S-22	d8 × w1
32	KSYR-16	—	OPA-32	OPA-32	d28 × w2	S-9
40	KSYR-16	—	OPA-40	OPA-40	S-36	S-12.5
50	KSYR-20	—	OPA-50	OPA-50	AS-32	S-16
63	KSYR-20	—	OPA-63	—	AS-36	S-16
80	ORA-25	—	OPA-80	—	AS-41	S-22
100	SDR-30	—	OPA-100	—	S-95	S-26

Material

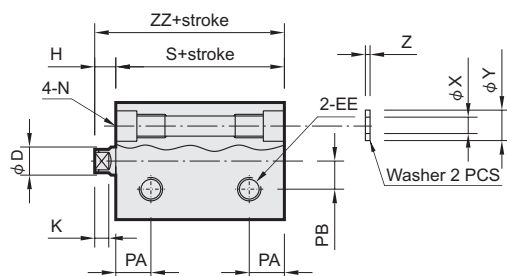
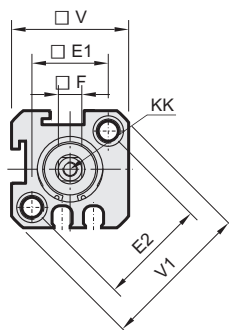
No.	Part name	Tube I.D.									
		12	16	20	25	32	40	50	63	80	100
1	Head cover	Aluminum alloy									
2	Snap ring	Spring steel									
3	Cover ring	NBR									
4	Cushion packing	—	NBR								
5	Piston gasket	NBR									
6	Piston packing	NBR									
7	Piston	Aluminum alloy									
8	Screw	SCM									
9	Piston rod	SUS				Carbon steel					
10	Body	Aluminum alloy									
11	Rod packing	NBR									
12	Rod cover	Aluminum alloy									
13	Bush	—				Teflon					
14	Magnet	Plastic									
15	Spring	SWP							—		
16	Silencer	Brass							—		

MCJT Female thread $\phi 12 \sim \phi 100$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

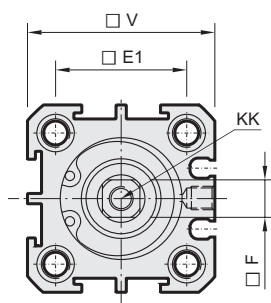


$\phi 20 \sim \phi 100$ Long stroke
(Without counter bore)

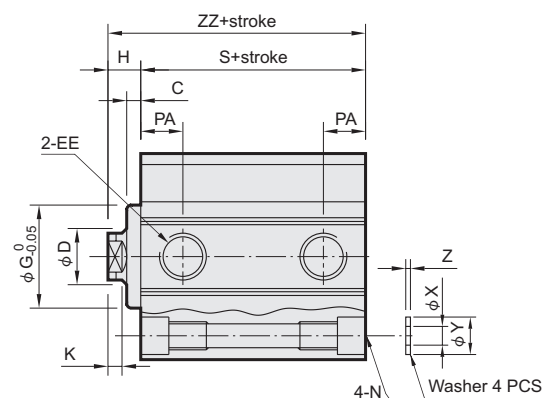
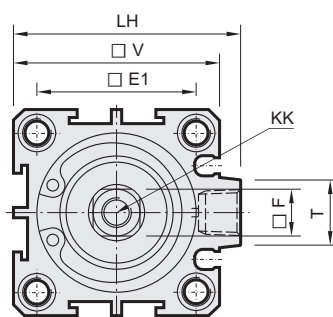


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 100$



Code Tube I.D.	C	D	E1	E2	EE	F	G	H	K	KK	LH	N	PA	PB
12	-	6	16.3	23	M5×0.8	5	-	4.5	3	M3×0.5×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	-	8	19.8	28	M5×0.8	6	-	4.5	3	M4×0.7×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	1.5	10	24	-	M5×0.8	8	13	5.5	3	M5×0.8×10depth	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	2	12	28	-	M5×0.8	10	17	6	3	M6×1×10depth	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	3.3	16	34	-	PT 1/8(※1)	14	22	7	3	M8×1.25×12depth	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	3.3	16	40	-	PT 1/8(※1)	14	28	7	3	M8×1.25×12depth	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	4	20	48	-	PT 1/4(※2)	17	38	9	3	M10×1.5×15depth	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-
63	4	20	60	-	PT 1/4(※2)	17	40	9	3	M10×1.5×15depth	83	11×8.5depth, 6.9, M8×1.25×10depth	11	-
80	5	25	74	-	PT 3/8(※3)	22	45	11	4	M14×2×20depth	102	14×10.5depth, 10.5, M12×1.75×12depth	13	-
100	3	30	90	-	PT 3/8(※3)	27	45	9	4	M18×2.5×20depth	122	18.5×13depth, 12.3, M14×2×15depth	15	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※3: without magnet with stroke=5mm, EE=PT1/4

※2: without magnet with stroke=5mm, EE=PT1/8

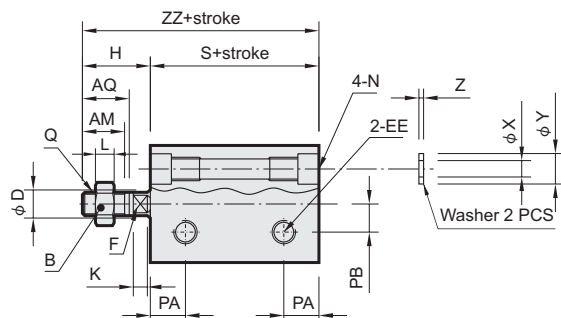
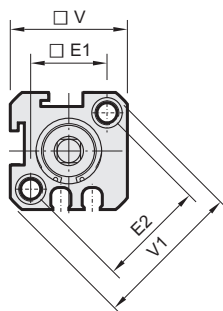
Code Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	25	25.5	30
16	-	29	38	3.2	6.3	1	20.5	25	30.5	35
20	-	34	-	3.2	6.3	1	19.5	25	29.5	35
25	-	40	-	4.2	7.8	1	21	27	31	37
32	14	44	-	4.2	7.8	1	24	31	34	41
40	14	52	-	6.2	10.3	1.6	26.5	33.5	36.5	43.5
50	19	62	-	6.2	10.8	1.6	28.6	37.6	38.6	47.6
63	20	75	-	6.2	10.8	1.6	32.5	41.5	42.5	51.5
80	27	94	-	8.2	13.8	1.6	41	52	51	62
100	26	114	-	10.2	17.3	2	45	54	55	64

MCJT Male thread $\phi 12 \sim \phi 100$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

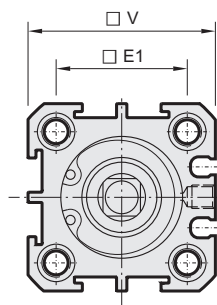


$\phi 20 \sim \phi 100$ Long stroke
(Without counter bore)

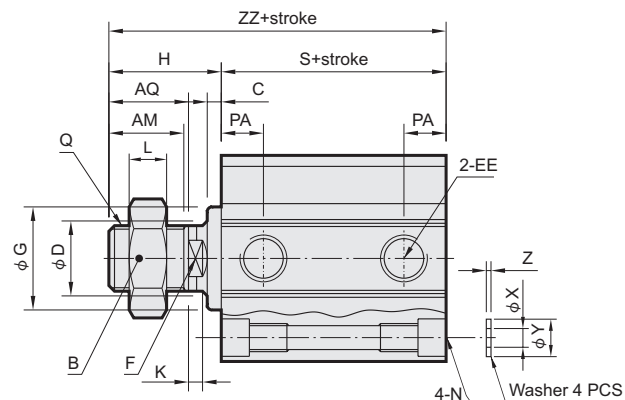
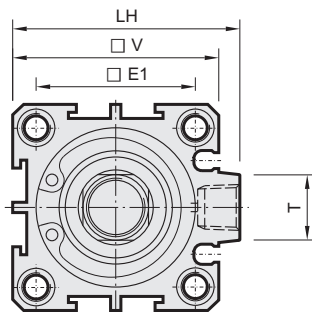


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 100$



Code Tube I.D.	AM	AQ	B	C	D	E1	E2	EE	F	G	H	K	L	LH	N	PA	PB
12	9	10	8	-	6	16.3	23	M5×0.8	5	-	14.5	3	4	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	9	10	10	-	8	19.8	28	M5×0.8	6	-	14.5	3	5	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	13	14	13	1.5	10	24	-	M5×0.8	8	13	19.5	3	5	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	15	16	17	2	12	28	-	M5×0.8	10	17	22	3	6	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	16	17	22	3.3	16	34	-	PT 1/8(※1)	14	22	24	3	8	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	25	27	22	3.3	16	40	-	PT 1/8(※1)	14	28	34	3	8	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	25	27	26	4	20	48	-	PT 1/4(※2)	17	38	36	3	11	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-
63	25	27	26	4	20	60	-	PT 1/4(※2)	17	40	36	3	11	83	11×8.5depth, 6.9, M8×1.25×10depth	11	-
80	30	33	32	5	25	74	-	PT 3/8(※3)	22	45	44	4	13	102	14×10.5depth, 10.5, M12×1.75×12depth	13	-
100	30	33	35	3	30	90	-	PT 3/8(※3)	27	45	42	4	14	122	18.5×13depth, 12.3, M14×2×15depth	15	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※3: without magnet with stroke=5mm, EE=PT1/4

※2: without magnet with stroke=5mm, EE=PT1/8

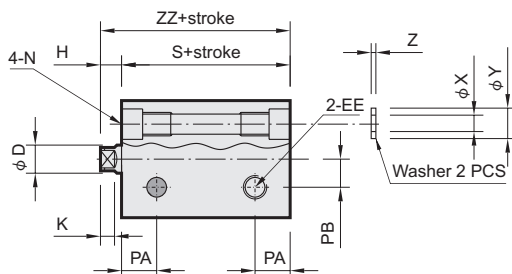
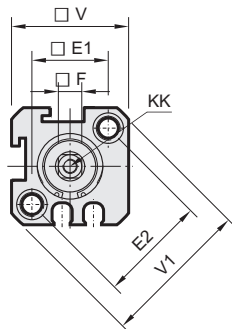
Code Tube I.D.	Q	T	V	V1	X	Y	Z	without magnet		magnet	
								S	ZZ	S	ZZ
12	M5×0.8	-	25	32	3.2	6.3	1	20.5	35	25.5	40
16	M6×1	-	29	38	3.2	6.3	1	20.5	35	30.5	45
20	M8×1	-	34	-	3.2	6.3	1	19.5	39	29.5	49
25	M10×1.25	-	40	-	4.2	7.8	1	21	43	31	53
32	M14×1.5	14	44	-	4.2	7.8	1	24	48	34	58
40	M14×1.5	14	52	-	6.2	10.3	1.6	26.5	60.5	36.5	70.5
50	M18×1.5	19	62	-	6.2	10.8	1.6	28.6	64.6	38.6	74.6
63	M18×1.5	20	75	-	6.2	10.8	1.6	32.5	68.5	42.5	78.5
80	M22×1.5	27	94	-	8.2	13.8	1.6	41	85	51	95
100	M26×1.5	26	114	-	10.2	17.3	2	45	87	55	97

MCJT Normally returned $\phi 12 \sim \phi 50$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

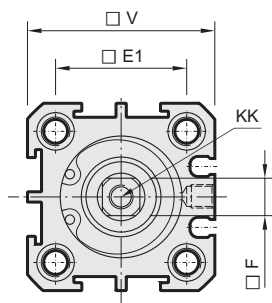


$\phi 20 \sim \phi 50$ Long stroke
(Without counter bore)

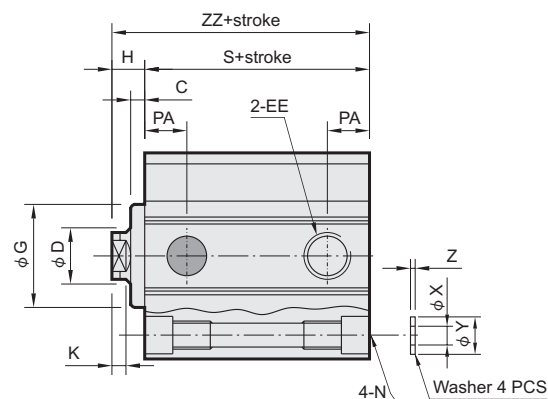
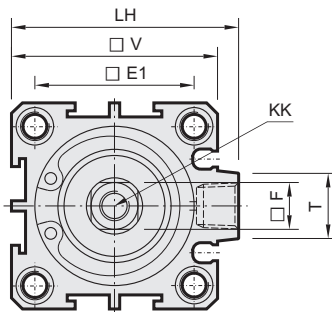


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 50$



Code Tube I.D.	C	D	E1	E2	EE	F	G	H	K	KK	LH	N	PA	PB
12	-	6	16.3	23	M5×0.8	5	-	4.5	3	M3×0.5×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	-	8	19.8	28	M5×0.8	6	-	4.5	3	M4×0.7×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	1.5	10	24	-	M5×0.8	8	13	5.5	3	M5×0.8×10depth	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	2	12	28	-	M5×0.8	10	17	6	3	M6×1×10depth	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	3.3	16	34	-	PT 1/8(※1)	14	22	7	3	M8×1.25×12depth	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	3.3	16	40	-	PT 1/8(※1)	14	28	7	3	M8×1.25×12depth	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	4	20	48	-	PT 1/4(※2)	17	38	9	3	M10×1.5×15depth	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※2: without magnet with stroke=5mm, EE=PT1/8

Code Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	25	25.5	30
16	-	29	38	3.2	6.3	1	20.5	25	30.5	35
20	-	34	-	3.2	6.3	1	19.5	25	29.5	35
25	-	40	-	4.2	7.8	1	21	27	31	37
32	14	44	-	4.2	7.8	1	24	31	34	41
40	14	52	-	6.2	10.3	1.6	26.5	33.5	36.5	43.5
50	19	62	-	6.2	10.8	1.6	28.6	37.6	38.6	47.6

Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
$\phi 12, 16, 20, 25, 32, 40$	5, 10
$\phi 50$	10, 20

Single acting type:

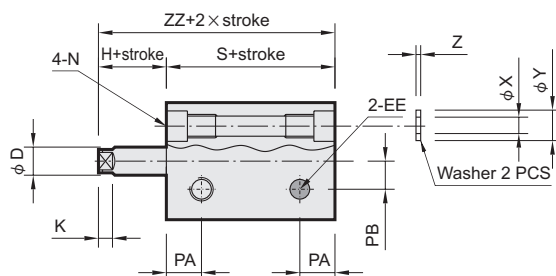
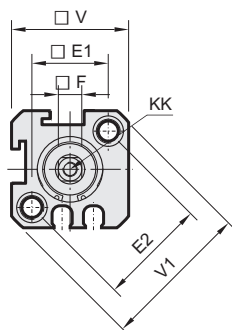
Please reconfirm the dimension with our sales department when the stroke over our standard.

MCJT Normally extended $\phi 12 \sim \phi 50$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

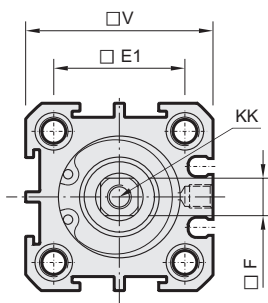


$\phi 20 \sim \phi 50$ Long stroke
(Without counter bore)

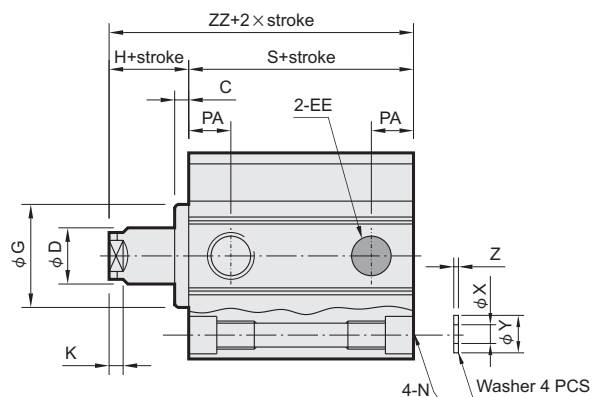
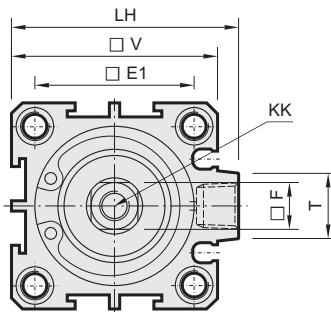


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 50$



Code Tube I.D.	C	D	E1	E2	EE	F	G	H	K	KK	LH	N	PA	PB
12	-	6	16.3	23	M5×0.8	5	-	4.5	3	M3×0.5×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	-	8	19.8	28	M5×0.8	6	-	4.5	3	M4×0.7×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	1.5	10	24	-	M5×0.8	8	13	5.5	3	M5×0.8×10depth	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	2	12	28	-	M5×0.8	10	17	6	3	M6×1×10depth	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	3.3	16	34	-	PT 1/8(※1)	14	22	7	3	M8×1.25×12depth	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	3.3	16	40	-	PT 1/8(※1)	14	28	7	3	M8×1.25×12depth	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	4	20	48	-	PT 1/4(※2)	17	38	9	3	M10×1.5×15depth	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※2: without magnet with stroke=5mm, EE=PT1/8

Code Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	25	25.5	30
16	-	29	38	3.2	6.3	1	20.5	25	30.5	35
20	-	34	-	3.2	6.3	1	19.5	25	29.5	35
25	-	40	-	4.2	7.8	1	21	27	31	37
32	14	44	-	4.2	7.8	1	24	31	34	41
40	14	52	-	6.2	10.3	1.6	26.5	33.5	36.5	43.5
50	19	62	-	6.2	10.8	1.6	28.6	37.6	38.6	47.6

Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
$\phi 12, 16, 20, 25, 32, 40$	5, 10
$\phi 50$	10, 20

Single acting type:

Please reconfirm the dimension with our sales department when the stroke over our standard.

mindman

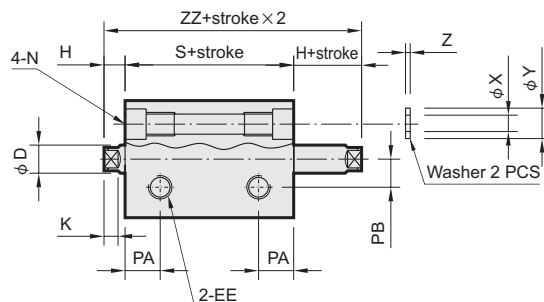
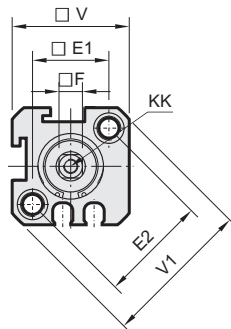
No.	Part name	Tube I.D.									
		12	16	20	25	32	40	50	63	80	100
1	—	—									
2	Snap ring	Spring steel									
3	Cover ring	NBR									
4	Cushion packing	—	NBR								
5	Piston gasket	NBR									
6	Piston packing	NBR									
7	Piston	Aluminum alloy									
8	Screw	SCM									
9	Piston rod	SUS				Carbon steel					
10	Body	Aluminum alloy									
11	Rod packing	NBR									
12	Rod cover	Aluminum alloy									
13	Bush	—			Teflon						
14	Magnet	PLASTIC									
15	Spring	SWP							—		
16	Silencer	Brass							—		
17	Cushion packing	PU									
18	Adjustable nut	Spring steel									

MCJT Double end rod / Female thread $\phi 12 \sim \phi 100$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

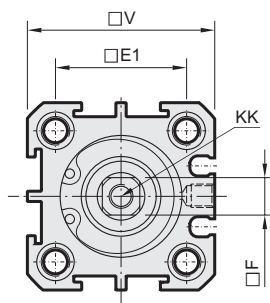


$\phi 20 \sim \phi 100$ Long stroke
(Without counter bore)

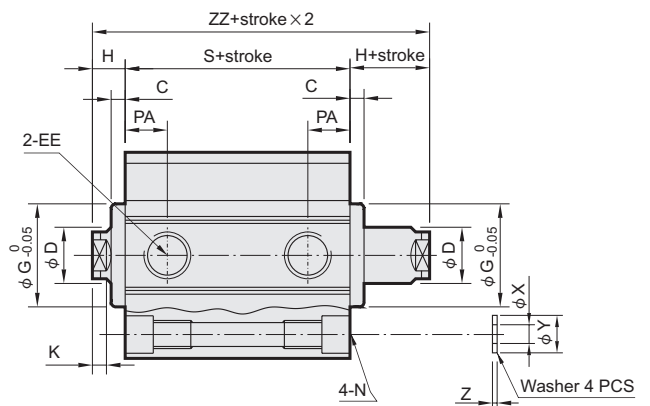
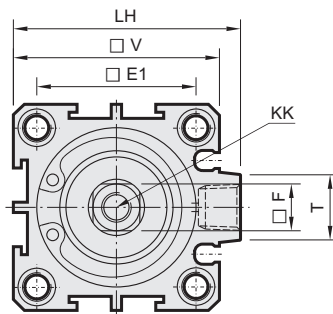


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 100$



Code Tube I.D.	C	D	E1	E2	EE	F	G	H	K	KK	LH	N	PA	PB
12	-	6	16.3	23	M5×0.8	5	-	4.5	3	M3×0.5×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	-	8	19.8	28	M5×0.8	6	-	4.5	3	M4×0.7×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	1.5	10	24	-	M5×0.8	8	13	5.5	3	M5×0.8×10depth	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	2	12	28	-	M5×0.8	10	17	6	3	M6×1×10depth	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	3.3	16	34	-	PT 1/8(※1)	14	22	7	3	M8×1.25×12depth	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	3.3	16	40	-	PT 1/8(※1)	14	28	7	3	M8×1.25×12depth	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	4	20	48	-	PT 1/4(※2)	17	38	9	3	M10×1.5×15depth	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-
63	4	20	60	-	PT 1/4(※2)	17	40	9	3	M10×1.5×15depth	83	11×8.5depth, 6.9, M8×1.25×10depth	11	-
80	5	25	74	-	PT 3/8(※3)	22	45	11	4	M14×2×20depth	102	14×10.5depth, 10.5, M12×1.75×12depth	13	-
100	3	30	90	-	PT 3/8(※3)	27	45	9	4	M18×2.5×20depth	122	18.5×13depth, 12.3, M14×2×15depth	15	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※3: without magnet with stroke=5mm, EE=PT1/4

※2: without magnet with stroke=5mm, EE=PT1/8

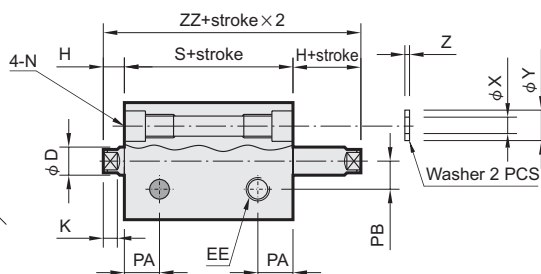
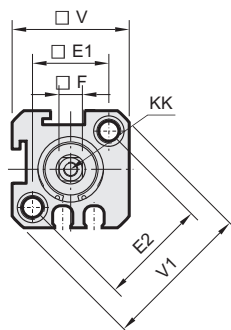
Code Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	29.5	25.5	34.5
16	-	29	38	3.2	6.3	1	20.5	29.5	30.5	39.5
20	-	34	-	3.2	6.3	1	19.5	30.5	29.5	40.5
25	-	40	-	4.2	7.8	1	21	33	31	43
32	14	44	-	4.2	7.8	1	24	38	34	48
40	14	52	-	6.2	10.3	1.6	26.5	40.5	36.5	50.5
50	19	62	-	6.2	10.8	1.6	28.6	46.6	38.6	56.6
63	20	75	-	6.2	10.8	1.6	32.5	50.5	42.5	60.5
80	27	94	-	8.2	13.8	1.6	41	63	51	73
100	26	114	-	10.2	17.3	2	45	63	55	73

MCJT Double end rod / Single acting $\phi 12 \sim \phi 50$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

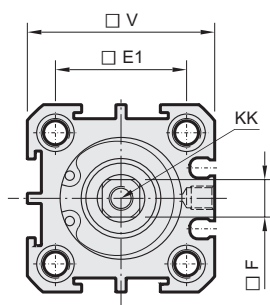


$\phi 20 \sim \phi 50$ Long stroke
(Without counter bore)

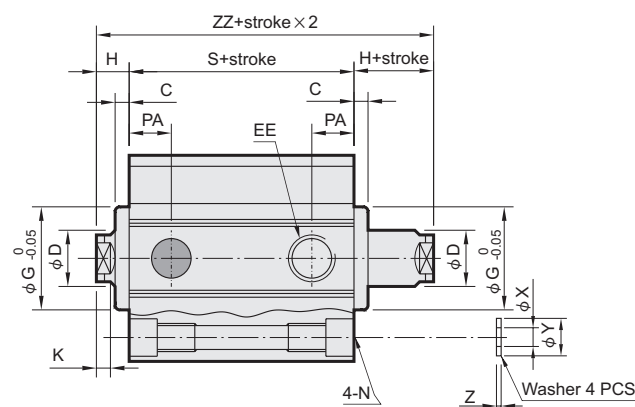
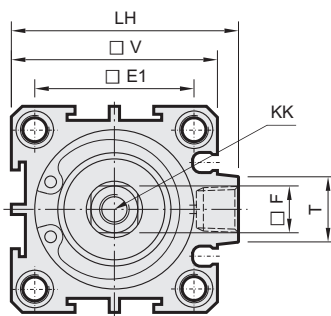


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 50$



Code Tube I.D.	C	D	E1	E2	EE	F	G	H	K	KK	LH	N	PA	PB
12	-	6	16.3	23	M5×0.8	5	-	4.5	3	M3×0.5×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	7.5	5.5
16	-	8	19.8	28	M5×0.8	6	-	4.5	3	M4×0.7×7depth	-	6.5×4.5depth, 4.3, M5×0.8×6depth	8	6.5
20	1.5	10	24	-	M5×0.8	8	13	5.5	3	M5×0.8×10depth	-	6.5×4.5depth, 4.3, M5×0.8×7.5depth	7.5	-
25	2	12	28	-	M5×0.8	10	17	6	3	M6×1×10depth	-	8×6depth, 5.1, M6×1×9.5depth	8	-
32	3.3	16	34	-	PT 1/8(※1)	14	22	7	3	M8×1.25×12depth	48.5	8×6depth, 5.1, M6×1×8depth	9	-
40	3.3	16	40	-	PT 1/8(※1)	14	28	7	3	M8×1.25×12depth	56.5	10.5×8depth, 6.9, M8×1.25×10depth	10	-
50	4	20	48	-	PT 1/4(※2)	17	38	9	3	M10×1.5×15depth	70	11×8.5depth, 6.9, M8×1.25×10depth	10.8	-

※1: without magnet with stroke=5mm, EE=M5×0.8

※2: without magnet with stroke=5mm, EE=PT1/8

Code Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	29.5	25.5	34.5
16	-	29	38	3.2	6.3	1	20.5	29.5	30.5	39.5
20	-	34	-	3.2	6.3	1	19.5	30.5	29.5	40.5
25	-	40	-	4.2	7.8	1	21	33	31	43
32	14	44	-	4.2	7.8	1	24	38	34	48
40	14	52	-	6.2	10.3	1.6	26.5	40.5	36.5	50.5
50	19	62	-	6.2	10.8	1.6	28.6	46.6	38.6	56.6

Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
$\phi 12, 16, 20, 25, 32, 40$	5, 10
$\phi 50$	10, 20

Single acting type:

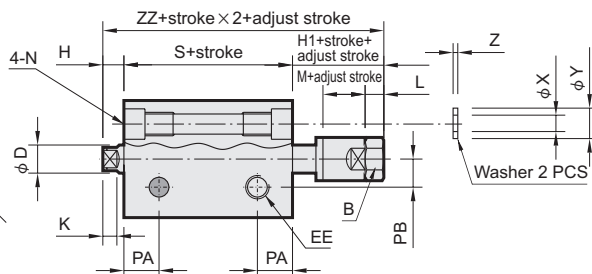
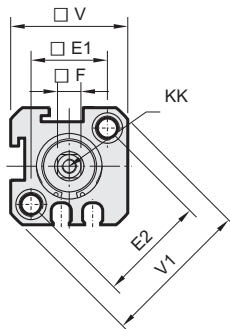
Please reconfirm the dimension with our sales department when the stroke over our standard.

MCJT Double end rod / Single action / Adjustable stroke $\phi 12 \sim \phi 50$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

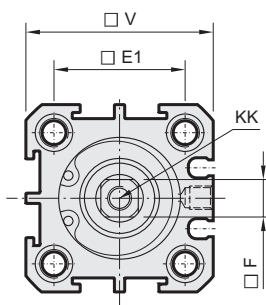


$\phi 20 \sim \phi 50$ Long stroke
(Without counter bore)

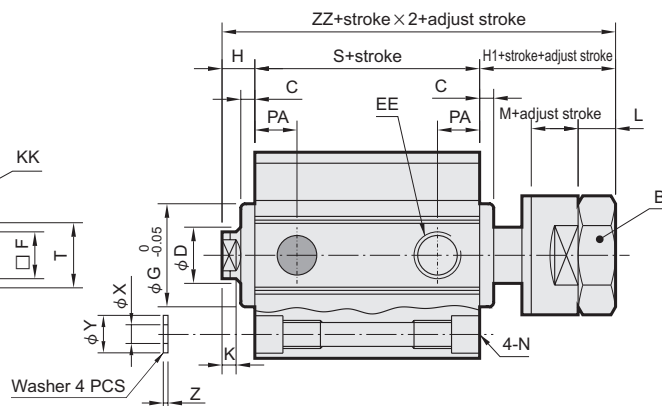
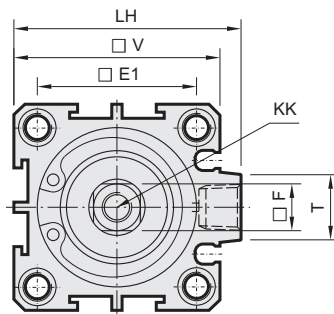


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 50$



Code Tube I.D.	B	C	D	E1	E2	EE	F	G	H	H1	K	KK	L	LH	M	N
12	8	-	6	16.3	23	M5×0.8	5	-	4.5	19.5	3	M3×0.5×7depth	4	-	13	6.5×4.5depth, 4.3, M5×0.8×6depth
16	13	-	8	19.8	28	M5×0.8	6	-	4.5	22.5	3	M4×0.7×7depth	5	-	15	6.5×4.5depth, 4.3, M5×0.8×6depth
20	13	1.5	10	24	-	M5×0.8	8	13	5.5	25.5	3	M5×0.8×10depth	5	-	15	6.5×4.5depth, 4.3, M5×0.8×7.5depth
25	17	2	12	28	-	M5×0.8	10	17	6	26	3	M6×1×10depth	6	-	12	8×6depth, 5.1, M6×1×9.5depth
32	19	3.3	16	34	-	PT 1/8(※1)	14	22	7	28	3	M8×1.25×12depth	7	48.5	12	8×6depth, 5.1, M6×1×8depth
40	19	3.3	16	40	-	PT 1/8(※1)	14	28	7	28.3	3	M8×1.25×12depth	7	56.5	12	10.5×8depth, 6.9, M8×1.25×10depth
50	24	4	20	48	-	PT 1/4(※2)	17	38	9	31	3	M10×1.5×15depth	8	70	15	11×8.5depth, 6.9, M8×1.25×10depth

※1: without magnet with stroke=5mm, EE=M5×0.8

※2: without magnet with stroke=5mm, EE=PT1/8

Code Tube I.D.	PA	PB	T	V	X	Y	Z	without magnet		magnet	
								S	ZZ	S	ZZ
12	7.5	5.5	-	25	3.2	6.3	1	20.5	44.5	25.5	49.5
16	8	6.5	-	29	3.2	6.3	1	20.5	47.5	30.5	57.5
20	7.5	-	-	34	3.2	6.3	1	19.5	50.5	29.5	60.5
25	8	-	-	40	4.2	7.8	1	21	53	31	63
32	9	-	14	44	4.2	7.8	1	24	59	34	69
40	10	-	14	52	6.2	10.3	1.6	26.5	61.8	36.5	71.8
50	10.8	-	19	62	6.2	10.8	1.6	28.6	58.6	38.6	78.6

Single acting - Table for standard stroke

Tube I.D.	Stroke (mm)
$\phi 12, 16, 20, 25, 32, 40$	5, 10
$\phi 50$	10, 20

Single acting type:

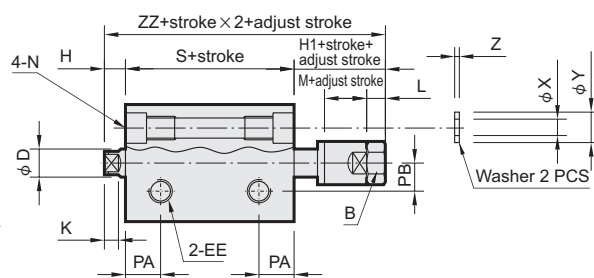
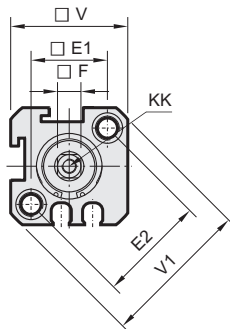
Please reconfirm the dimension with our sales department when the stroke over our standard.

MCJT Double end rod / Adjustable stroke $\phi 12 \sim \phi 100$

COMPACT CYLINDERS



$\phi 12, \phi 16$



$\phi 12, \phi 16$ Long stroke
(Without counter bore)

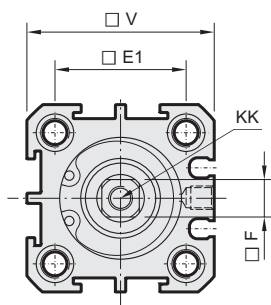


$\phi 20 \sim \phi 100$ Long stroke
(Without counter bore)

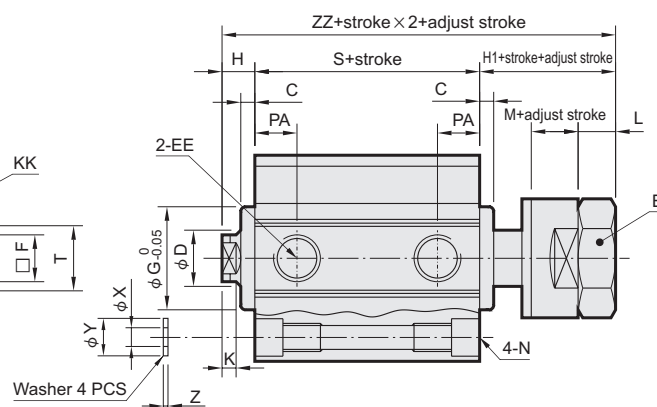
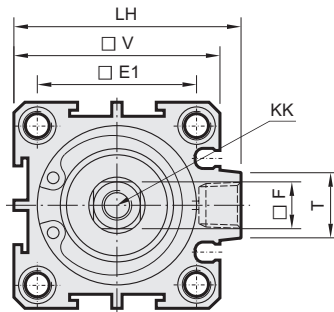


※ with magnet type: the stroke length must be over 100mm.

$\phi 20, \phi 25$



$\phi 32 \sim \phi 100$



Code Tube I.D.	B	C	D	E1	E2	EE	F	G	H	H1	K	KK	L	LH	M	N
12	8	-	6	16.3	23	M5×0.8	5	-	4.5	19.5	3	M3×0.5×7depth	4	-	13	6.5×4.5depth, 4.3, M5×0.8×6depth
16	13	-	8	19.8	28	M5×0.8	6	-	4.5	22.5	3	M4×0.7×7depth	5	-	15	6.5×4.5depth, 4.3, M5×0.8×6depth
20	13	1.5	10	24	-	M5×0.8	8	13	5.5	25.5	3	M5×0.8×10depth	5	-	15	6.5×4.5depth, 4.3, M5×0.8×7.5depth
25	17	2	12	28	-	M5×0.8	10	17	6	26	3	M6×1×10depth	6	-	12	8×6depth, 5.1, M6×1×9.5depth
32	19	3.3	16	34	-	PT 1/8(※1)	14	22	7	28	3	M8×1.25×12depth	7	48.5	12	8×6depth, 5.1, M6×1×8depth
40	19	3.3	16	40	-	PT 1/8(※1)	14	28	7	28.3	3	M8×1.25×12depth	7	56.5	12	10.5×8depth, 6.9, M8×1.25×10depth
50	24	4	20	48	-	PT 1/4(※2)	17	38	9	31	3	M10×1.5×15depth	8	70	15	11×8.5depth, 6.9, M8×1.25×10depth
63	24	4	20	60	-	PT 1/4(※2)	17	40	9	31	3	M10×1.5×15depth	8	83	15	11×8.5depth, 6.9, M8×1.25×10depth
80	32	5	25	74	-	PT 3/8(※3)	22	45	11	44	4	M14×2×20depth	13	102	20	14×10.5depth, 10.5, M12×1.75×12depth
100	32	3	30	90	-	PT 3/8(※3)	27	45	9	40	4	M18×2.5×20depth	13	122	20	18.5×13depth, 12.3, M14×2×15depth

※1: without magnet with stroke=5mm, EE=M5×0.8

※3: without magnet with stroke=5mm, EE=PT1/4

※2: without magnet with stroke=5mm, EE=PT1/8

Code Tube I.D.	PA	PB	T	V	X	Y	Z	without magnet		magnet	
								S	ZZ	S	ZZ
12	7.5	5.5	-	25	3.2	6.3	1	20.5	44.5	25.5	49.5
16	8	6.5	-	29	3.2	6.3	1	20.5	47.5	30.5	57.5
20	7.5	-	-	34	3.2	6.3	1	19.5	50.5	29.5	60.5
25	8	-	-	40	4.2	7.8	1	21	53	31	63
32	9	-	14	44	4.2	7.8	1	24	59	34	69
40	10	-	14	52	6.2	10.3	1.6	26.5	61.8	36.5	71.8
50	10.8	-	19	62	6.2	10.8	1.6	28.6	58.6	38.6	78.6
63	11	-	20	75	6.2	10.8	1.6	32.5	72.5	42.5	82.5
80	13	-	27	94	8.2	13.8	1.6	41	96	51	106
100	15	-	26	114	10.2	17.3	2	45.5	94	55.5	104