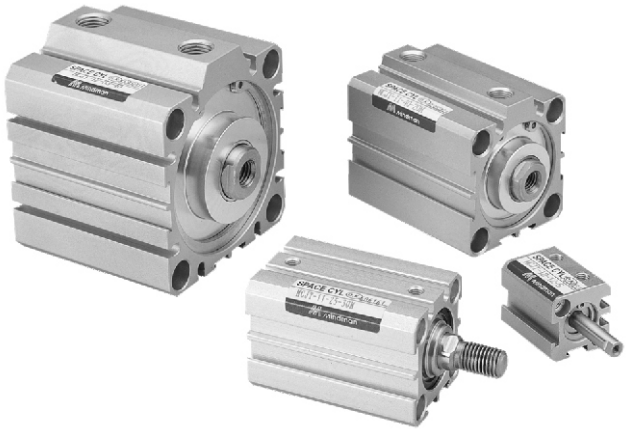
MCJT series

COMPACT CYLINDERS



Features:

- Ultra Compact, light weight and space saving cylinder.
- Wide range of bore sizes and strokes (12mm~100mm).
- Single and double acting available.

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/cm²	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/cm²									
Ambient temperature		−5~+60℃ (No freezing)									
Sensor switch		RCB, RCE, RCE1									

Order example:

MCJT − 12 − 40 − 25 M − BSP

- MODEL — **1**: Single Rod; **2**: Double Rod
- TUBE I.D.
- STROKE
- **M**: Magnet
- 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		Double rod / Male thread
2	2		Double rod / Female thread
2	7		Double rod / Adjustable male thread
2	8		Double rod / Adjustable female thread

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

Double acting - Table for standard stroke

	Tube I.D.	Stroke (mm)	Max. stroke
Single rod	ϕ12, ϕ16	5, 10, 15, 20, 25, 30	300
	ϕ20,25,32 ϕ40,50,63	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	300
	ϕ80~100	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	125
Dual rod	ϕ12, ϕ16	5, 10, 15, 20, 25, 30	300
	ϕ20,25,32 ϕ40,50,63	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	300
	ϕ80~100	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

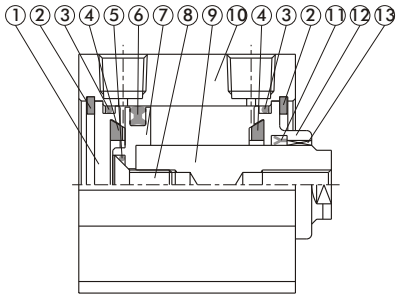
Tube I.D.	Stroke (mm)
ϕ12, 16, 20, 25, 32, 40	5, 10
ϕ50	10, 20

MCJT Inside structure & Parts list

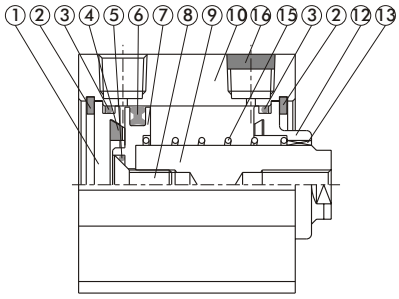
COMPACT CYLINDERS

Mindman

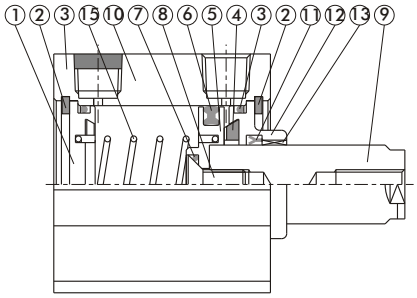
Double acting



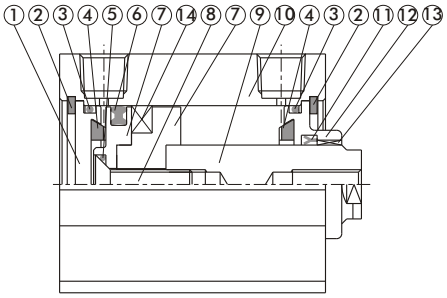
Single acting
Normally returned



Single acting
Normally extended



Double acting
(with magnet)



Seal kit

	Rod packing		Piston packing		Cover ring	Piston gasket
Acting type	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-10	—	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-9
50	KSYR-20	—	OPA-50	OPA-50	AS-31	S-16
63	KSYR-20	—	OPA-63	—	AS-36	S-16
80	ORA-25	—	OPA-80	—	AS-41	d20×w1
100	SDR-30	—	OPA-100	—	S-95	S-26

Material

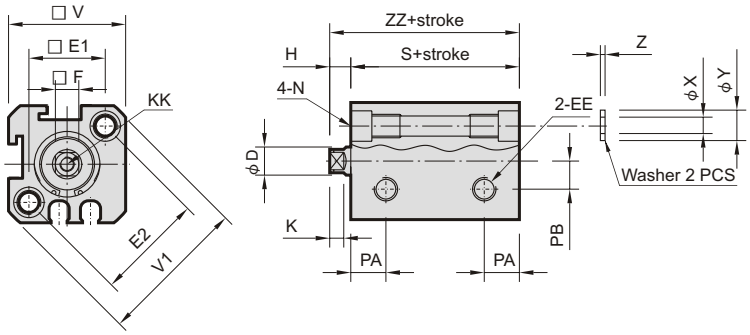
No.	Part name \ Tube I.D.	12	16	20	25	32	40	50	63	80	100
1	Head cover	Aluminum alloy									
2	Snap ring	Spring steel									
3	Cover ring	NBR									
4	Cushion packing	–		NBR							
5	Piston gasket	NBR									
6	Piston packing	NBR									
7	Piston	Aluminum alloy									
8	Screw	SCM									
9	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 ϕ12~ϕ100

COMPACT CYLINDERS

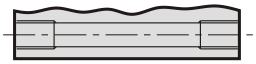
Mindman

ϕ12, ϕ16



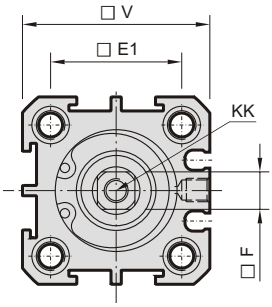
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ100 Long stroke
(Without counter bore)

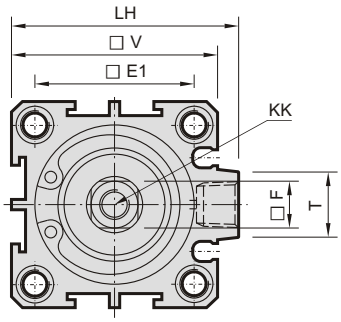


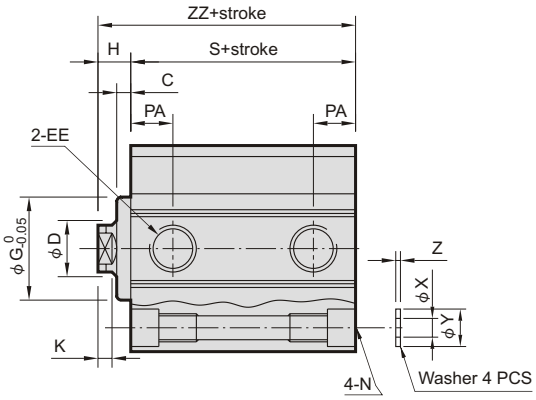
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ100





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	10.5	-
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

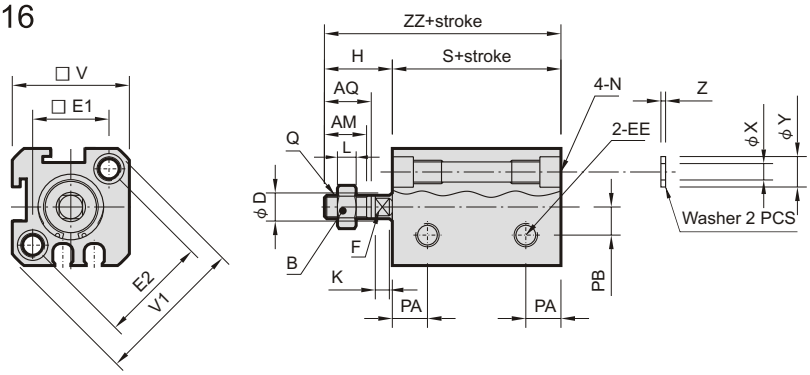
Code / Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	25	25.5	30
16	-	29	38	3.2	6.3	1	20.5	25	30.5	35
20	-	34	-	3.2	6.3	1	19.5	25	29.5	35
25	-	40	-	4.2	7.8	1	21	27	31	37
32	14	44	-	4.2	7.8	1	24	31	34	41
40	14	52	-	6.2	10.3	1.6	26.5	33.5	36.5	43.5
50	19	62	-	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 ϕ12~ϕ100

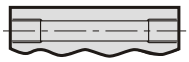
COMPACT CYLINDERS

Mindman

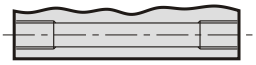
ϕ12, ϕ16



ϕ12, ϕ16 Long stroke
(Without counter bore)

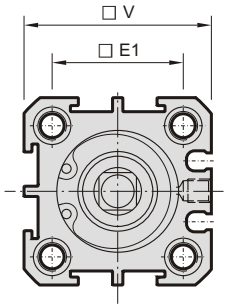


ϕ20~ϕ100 Long stroke
(Without counter bore)

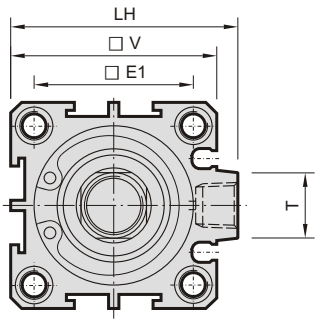


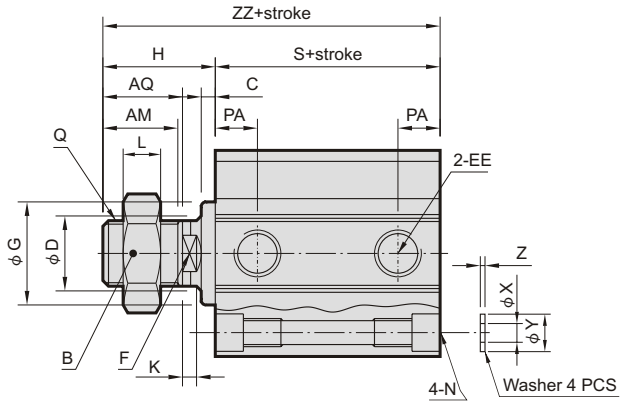
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ100





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	10.5	-
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

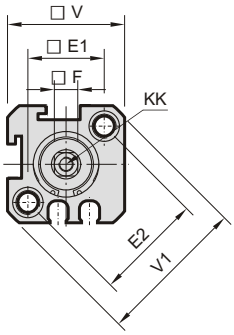
※2: without magnet with stroke=5mm, EE=PT1/8

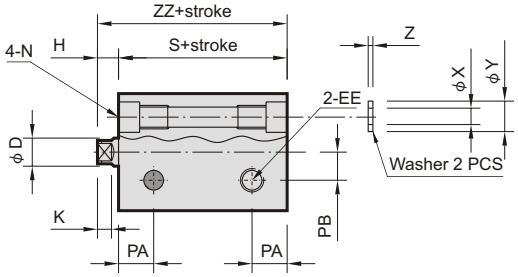
Code / Tube I.D.	Q	T	V	V1	X	Y	Z	without magnet		magnet	
								S	ZZ	S	ZZ
12	M5×0.8	-	25	32	3.2	6.3	1	20.5	35	25.5	40
16	M6×1	-	29	38	3.2	6.3	1	20.5	35	30.5	45
20	M8×1	-	34	-	3.2	6.3	1	19.5	39	29.5	49
25	M10×1.25	-	40	-	4.2	7.8	1	21	43	31	53
32	M14×1.5	14	44	-	4.2	7.8	1	24	48	34	58
40	M14×1.5	14	52	-	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 ϕ12~ϕ50

COMPACT CYLINDERS

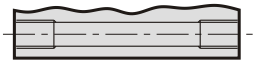
ϕ12, ϕ16





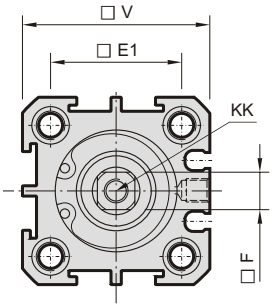
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ50 Long stroke
(Without counter bore)

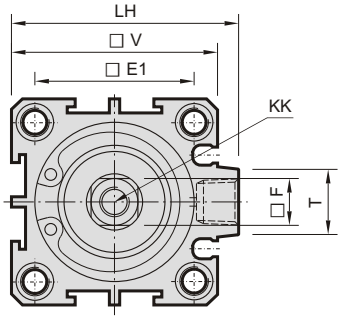


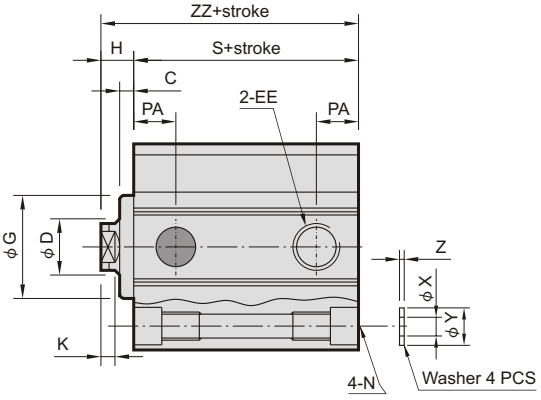
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ50





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	10.5	-

※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)
ϕ12, 16, 20, 25, 32, 40	5, 10
ϕ50	10, 20

Single acting type:

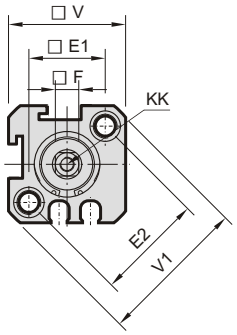
Please reconfirm the dimension with our sales department when the stroke over our standard.

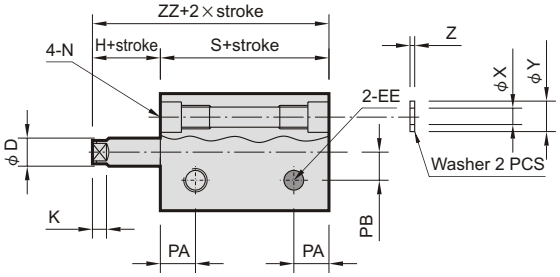
MCJT Normally extended ϕ12~ϕ50

COMPACT CYLINDERS

Mindman

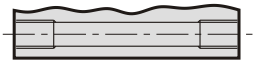
ϕ12, ϕ16





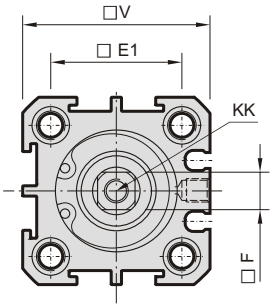
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ50 Long stroke
(Without counter bore)

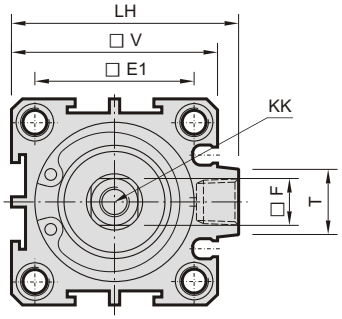


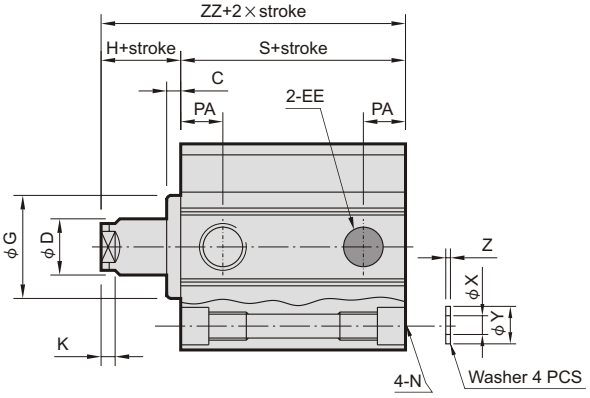
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ50





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	10.5	-

※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)
ϕ12, 16, 20, 25, 32, 40	5, 10
ϕ50	10, 20

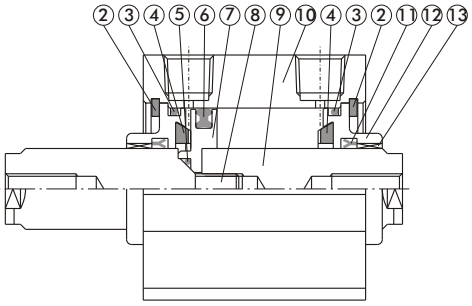
Single acting type:
Please reconfirm the dimension with our sales department when the stroke over our standard.

MCJT Double end rod Inside structure & Parts list

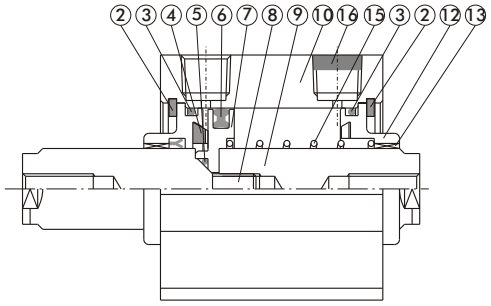
COMPACT CYLINDERS

Mindman

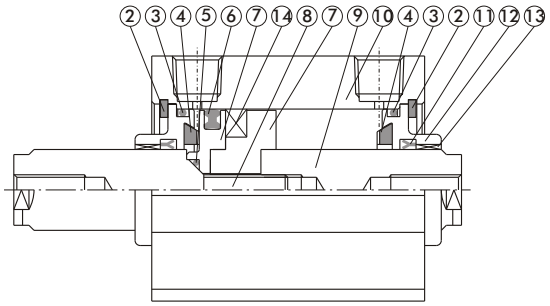
Double acting
Double end rod type



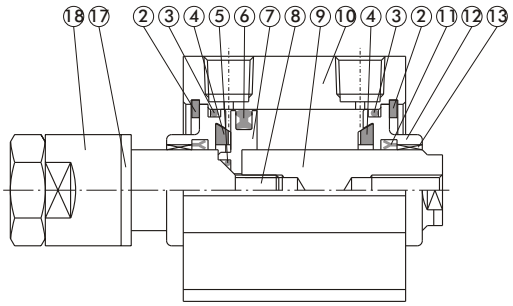
Single acting
Double end rod type



Double acting
Double end rod type(with magnet)



Double acting/double end rod type
Adjustable stroke



Seal kit

	Rod packing		Piston packing		Cover ring	Piston gasket
Acting type	Double action normally extended	Normally returned	Double action	Single action	Double action single action	Double action single action
Qty.	2	1	1	1	2	1
12	KSYR-6	KSYR-6	OPA-12	OPA-12	S-12	d4×w1
16	KSYR-8	KSYR-8	OPA-16	OPA-16	S-14	d4×w1
20	KSYR-10	KSYR-10	OPA-20	OPA-20	S-18	d6×w1
25	KSYR-12	KSYR-12	OPA-25	OPA-25	S-22	d8×w1
32	KSYR-16	KSYR-16	OPA-32	OPA-32	d28×w2	S-9
40	KSYR-16	KSYR-16	OPA-40	OPA-40	S-36	S-9
50	KSYR-20	KSYR-20	OPA-50	OPA-50	AS-31	S-16
63	KSYR-20	—	OPA-63	—	AS-36	S-16
80	ORA-25	—	OPA-80	—	AS-41	d20×w1
100	SDR-30	—	OPA-100	—	S-95	S-26

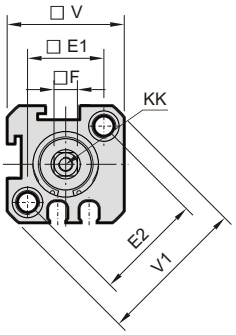
Material

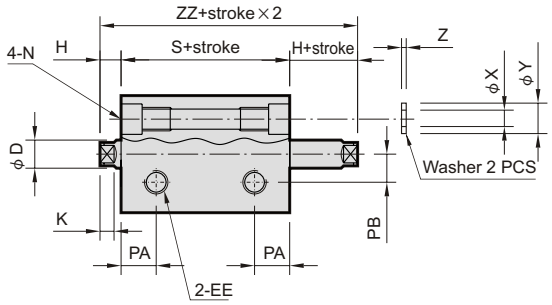
No.	Part name \ Tube I.D.	12	16	20	25	32	40	50	63	80	100
1	–	—									
2	Snap ring	Spring steel									
3	Cover ring	NBR									
4	Cushion packing	–		NBR							
5	Piston gasket	NBR									
6	Piston packing	NBR									
7	Piston	Aluminum alloy									
8	Screw	SCM									
9	Piston rod	SUS				Carbon 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 ϕ12~ϕ100

COMPACT CYLINDERS

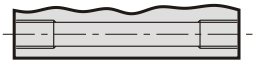
ϕ12, ϕ16





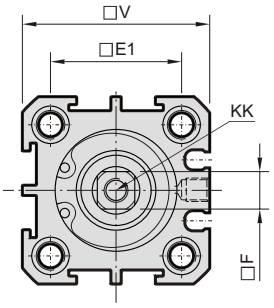
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ100 Long stroke
(Without counter bore)

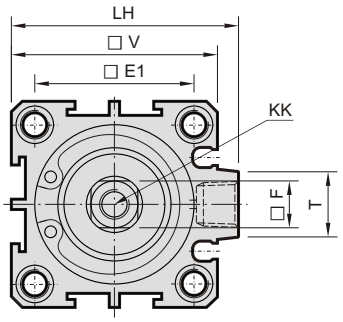


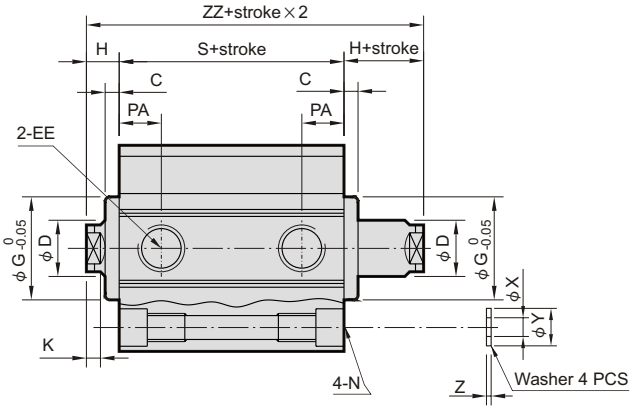
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ100





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	10.5	-
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

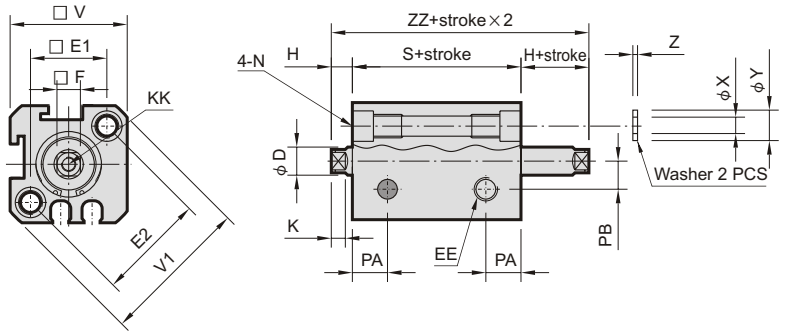
Code / Tube I.D.	T	V	V1	X	Y	Z	without magnet		magnet	
							S	ZZ	S	ZZ
12	-	25	32	3.2	6.3	1	20.5	29.5	25.5	34.5
16	-	29	38	3.2	6.3	1	20.5	29.5	30.5	39.5
20	-	34	-	3.2	6.3	1	19.5	30.5	29.5	40.5
25	-	40	-	4.2	7.8	1	21	33	31	43
32	14	44	-	4.2	7.8	1	24	38	34	48
40	14	52	-	6.2	10.3	1.6	26.5	40.5	36.5	50.5
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 ϕ12~ϕ50

COMPACT CYLINDERS

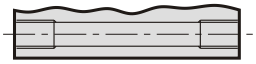
Mindman

ϕ12, ϕ16



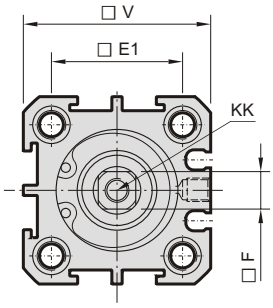
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ50 Long stroke
(Without counter bore)

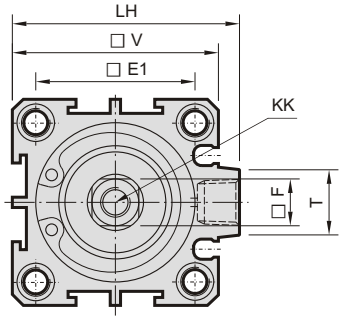


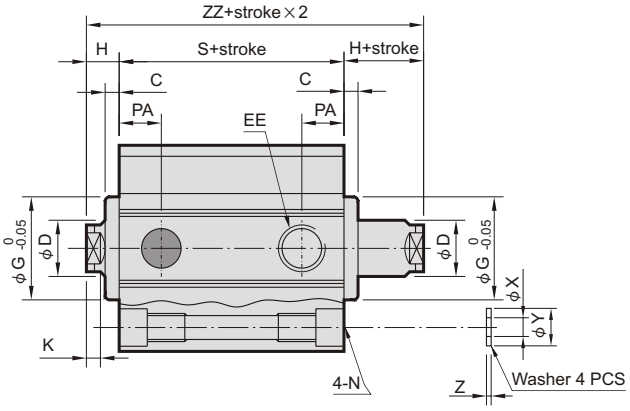
※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ50





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	10.5	-

※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)
ϕ12, 16, 20, 25, 32, 40	5, 10
ϕ50	10, 20

Single acting type:

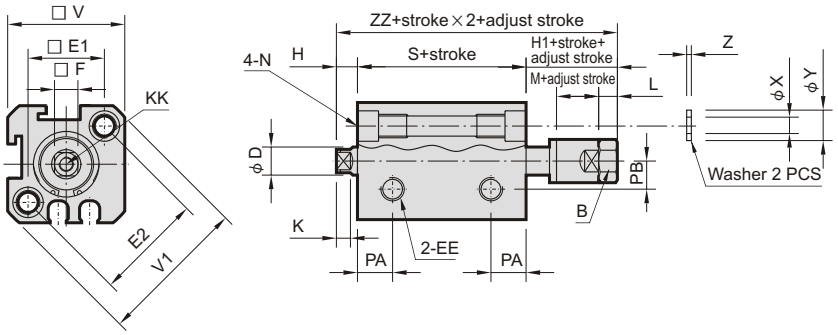
Please reconfirm the dimension with our sales department when the stroke over our standard.

MCJT Double end rod / Adjustable stroke ϕ12~ϕ100

COMPACT CYLINDERS

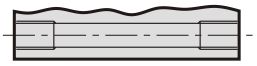
Mindman

ϕ12, ϕ16



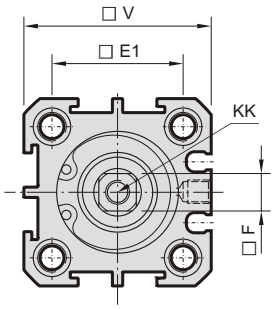
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ100 Long stroke
(Without counter bore)

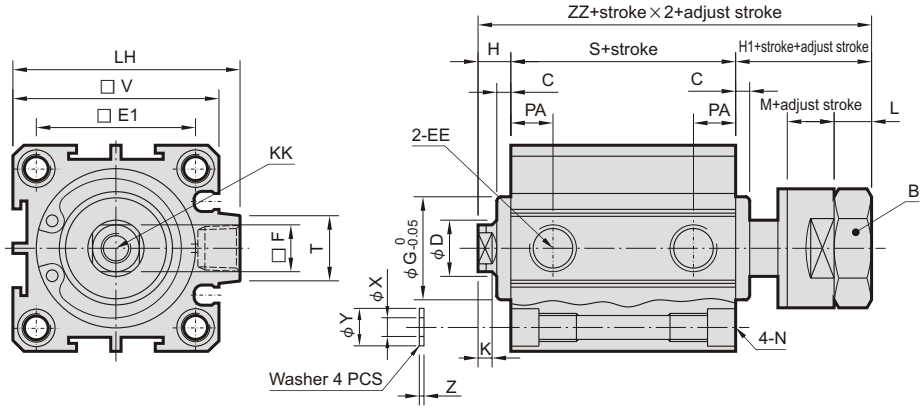


※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ100



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

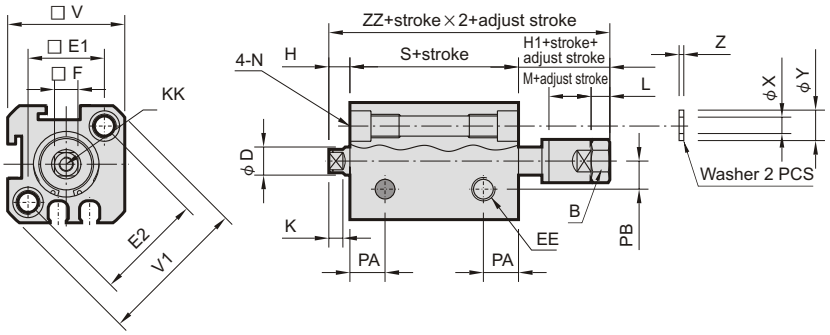
Code / Tube I.D.	PA	PB	T	V	X	Y	Z	without magnet		magnet	
								S	ZZ	S	ZZ
12	7.5	5.5	-	25	3.2	6.3	1	20.5	44.5	25.5	49.5
16	8	6.5	-	29	3.2	6.3	1	20.5	47.5	30.5	57.5
20	7.5	-	-	34	3.2	6.3	1	19.5	50.5	29.5	60.5
25	8	-	-	40	4.2	7.8	1	21	53	31	63
32	9	-	14	44	4.2	7.8	1	24	59	34	69
40	10	-	14	52	6.2	10.3	1.6	26.5	61.8	36.5	71.8
50	10.5	-	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

MCJT Double end rod / Single action / Adjustable stroke ϕ12~ϕ50

COMPACT CYLINDERS

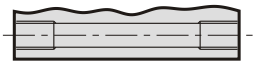
Mindman

ϕ12, ϕ16



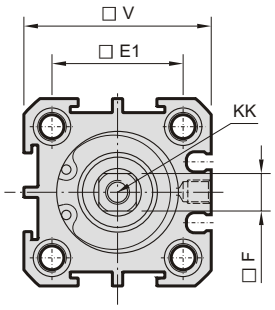
ϕ12, ϕ16 Long stroke
(Without counter bore)

ϕ20~ϕ50 Long stroke
(Without counter bore)

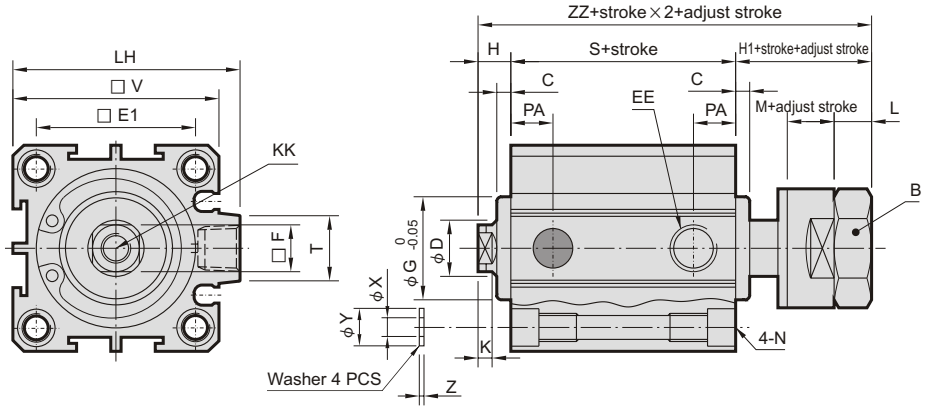


※ with magnet type: the stroke length must be over 100mm.

ϕ20, ϕ25



ϕ32~ϕ50



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	10.5	-	19	62	6.2	10.8	1.6	28.6	58.6	38.6	78.6

Single acting - Table for standard stroke

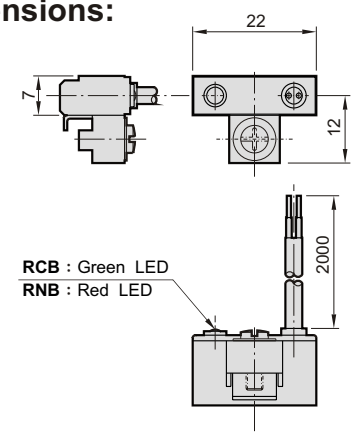
Tube I.D.	Stroke (mm)
ϕ12, 16, 20, 25, 32, 40	5, 10
ϕ50	10, 20

Single acting type:

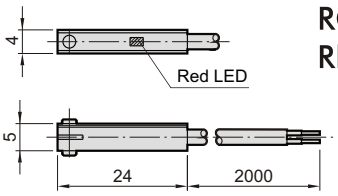
Please reconfirm the dimension with our sales department when the stroke over our standard.

Dimensions:

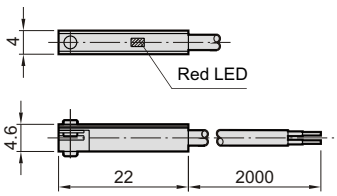
RCB
RNB



RCE

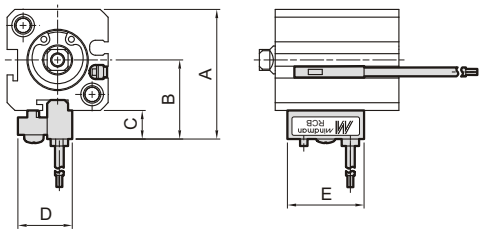


RCE1
RNE

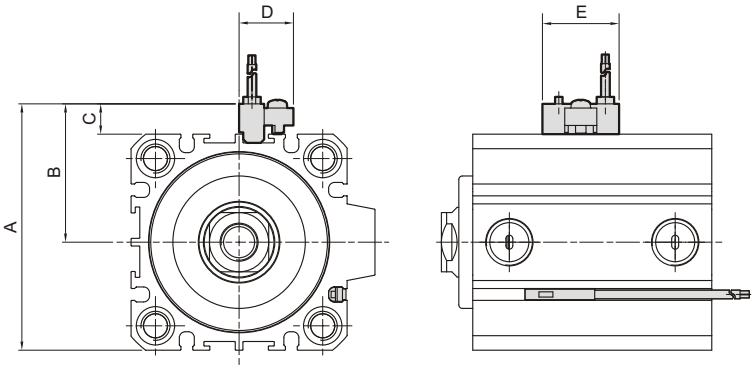


Installation of sensor switch:

ϕ12, ϕ16



ϕ32~ϕ100



Order example:

RCE1 – □

MODEL
RCB / RCE / RCE1 (**C**: Reed switch)
RNB / RNE (**N**: Solid state switch)

Blank: Lead wire
QD: Connector

Code / Tube I.D.	A	B	C	D	E
12	33.5	21.5	8.5	16	22
16	37.5	23	8.5	16	22
20	42.5	25.5	8.5	16	22
25	49	29	9	16	22
32	53	31	9	16	22

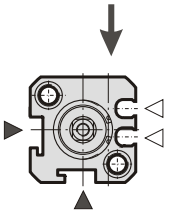
Code / Tube I.D.	A	B	C	D	E
40	61	35	9	16	22
50	71	40	9	16	22
63	84	46.5	9	16	22
80	103	56	9	16	22
100	123	66	9	16	22

Description:

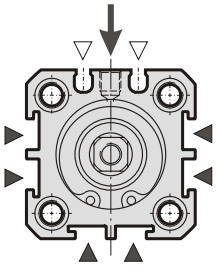
▽ RCB switch

Port
▼ RCE,RCE1 switch

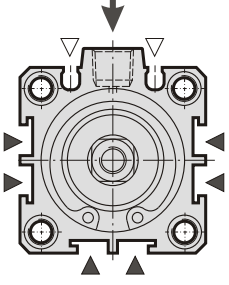
ϕ12, ϕ16



ϕ20, ϕ25



ϕ32, ϕ40



ϕ50~ϕ100