### COMPACT CYLINDERS





### Double acting-Table for standard stroke

Tube I.D.	Standard stroke	Long stroke (mm)
φ 12,16	5,10,15,20,25,30	35, 40, 45, 50, 75,100
φ20	5,10,15,20,25,	75,100,125,150,175,200
φ 25	30,35,40,45,50	75,100,125,150,175,200,250,300
φ32	5,10,15,20,25,30,	125,150,175,200,250,300
Ψ 32	35,40,45,50,75,100	120, 130, 170,200,200,300
Tube I.D	o. S	tandard stroke (mm)
φ 40~100	5,10,15,2	0,25,30,35,40,45,50,75,100

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

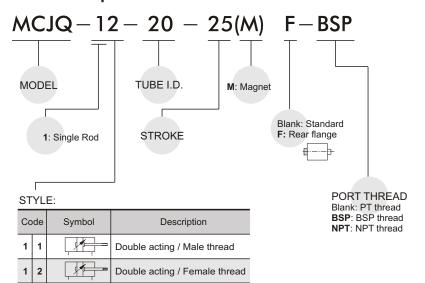
### Features:

- Ultra-compact, lightweight, space-saving type.
- Available with a comprehensive selection of bore size ( $\phi$  12mm ~  $\phi$  100mm) for the various needs.
- The highly accurate, air-driven push-pull work.
- Ideal for machine designs with small space requirements sensor switches will not protrude from switch mounting groove.
- Sensor switch mounting allows for flexible designing requirements 3 faces on  $\phi$  12 &  $\phi$  16 ,and all 4 faces including port side on  $\phi$  20  $\sim \phi$  100.

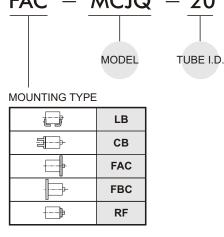
### Specification:

Model			MCJQ		
Acting type		Do	uble act	ing	
Tube I.D.(mm)	12, 16	20, 25	32, 40	50, 63	80, 100
Port size	M5>	< 0.8	PT 1/8	PT 1/4	PT 3/8
Medium			Air		
Operating pressure range	0.7~9.9		0.5~9.9	kgf/cm <sup>2</sup>	
Proof pressure			15 kgf/cm	2	
Ambient temperature		-5°C~+	60℃ (No	freezing)	
Sensor switch	F	RCE, RCE	:1	RCB, RC	E, RCE1

### Order example:



### **Mounting accessories:**

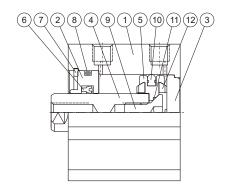


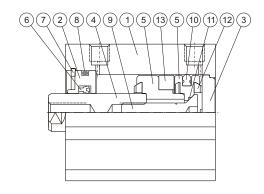
# MCJQ Inside structure & Parts list COMPACT CYLINDERS



### Double acting

# Double acting (with magnet)





### Seal kit

	Rod packing	Piston packing	Cover ring	Piston gasket
Acting type		Double	action	
Qty.	1	1	2	1
12	KSYR-6	OPA-12	S-12	d4×w1
16	KSYR-8	OPA-16	S-14	d4×w1
20	KSYR-10A	OPA-20	S-18	d6×w1
25	KSYR-12	OPA-25	S-22.4	d8×w1
32	KSYR-16	OPA-32	S-28	S-9
40	KSYR-16	OPA-40	S-36	S-10
50	KSYR-20	OPA-50	S-46	S-16
63	KSYR-20	OPA-63	S-60	S-16
80	ORA-25	OPA-80	S-75	d20×w1
100	ORA-30	OPA-100	S-95	S-26

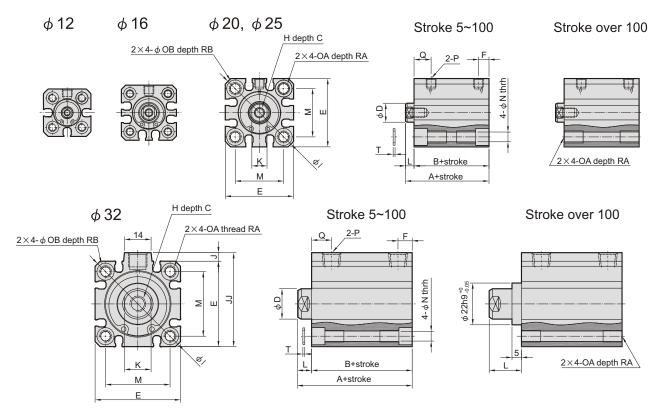
### Material

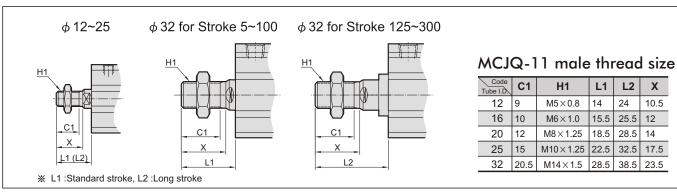
No.	Tube I.D. Part name	12~32	40~100	Note
1	Body	Aluminu	ım alloy	Hard anodized
2	Rod cover	Aluminum bearing alloy	Aluminum alloy	Anodized
3	End cover	Aluminu	ım alloy	Anodized
4	Piston rod	Stainless steel	Carbor steel	
5	Piston	Aluminu	ım alloy	Anodized
6	Rod packing	NE	BR	
7	Snap ring	Stainless steel	Spring steel	
8	Cover ring	NE	BR	
9	Piston bolt	Stainless steel	SCM	
10	Piston packing	NE	BR	
11	Piston gasket	NE	BR	
12	Cushion packing	NE	BR	
13	Magnet	Pla	stic	

# MCJQ Dimensions $\phi 12 \sim \phi 32$



### **COMPACT CYLINDERS**





### $\phi$ 12~25

Code			Sta	anda	rd st	roke				ı	ong	stro	ke																
	Stroke	Wi	thout r	nagn	et		Mag	net		Stroke	Λ	В	F		С	D	Е	Н	1	ĸ	M	N	OA	ОВ	Р	Q	RA	RB	Т
Tube I.D.	range	Α	В	F	L	Α	В	F	L	range	A	В	Г	_															
12	5~30	20.5	17	5	3.5	25.5	22	5	3.5	35~100	45.5	32	7.5	13.5	6	6	25	M3×0.5	32	5	15.5	3.5	$M4 \times 0.7$	6.5	M5×0.8	7.5	7	4	0.5
16	5~30	20.5	17	5	3.5	25.5	22	5	3.5	35~100	45.5	32	7.5	13.5	8	8	29	M4×0.7	38	6	20	3.5	$M4 \times 0.7$	6.5	M5×0.8	7.5	7	4	0.5
20	5~50	24	19.5	5.5	4.5	34	29.5	5.5	4.5	75~200	55.5	41	9	14.5	7	10	36	M5×0.8	47	8	25.5	5.4	M6×1.0	9	M5×0.8	9	10	7	1
25	5~50	27.5	22.5	5.5	5	37.5	32.5	5.5	5	75~300	59	44	11	15	12	12	40	M6×1.0	52	10	28	5.4	M6×1.0	9	M5×0.8	11	10	7	1

### $\phi$ 32

Code			S	tand	ard s	stroke	е				Long	stroke	)																	
	Stroke				gnet	_	-	0	Stroke	_	В	_			Р	С	D	Е	Н	1	J	JJ	K	М	N	OA	ОВ	RA	RB	Т
Tube I.D.	range	Α	В	Α	В	Г	_	Q	range	A	В		-	Q																
32	5~50	30	23	40	33	7.5	7	10.5	125~300	60 E	1E E	10 5	17	12.5	PT1/8	12	16	15	M8×1.25	60	1 5	40 E	11	24	<i></i>	M6×10	0	10	7	
32	75,100	40	33	40	33	7.5	7	10.5	125~300	02.5	45.5	12.5	''	12.5	( <b>※1</b> )	13	16	45	IVIO X 1.23	00	4.5	49.5	14	34	5.5	IVIO X 1.0	9	10	'	'

# MCJQ Dimensions $\phi 40 \sim \phi 100$

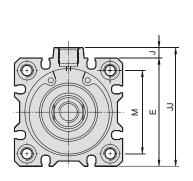
### **COMPACT CYLINDERS**

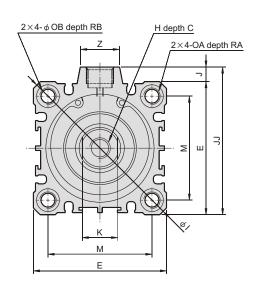


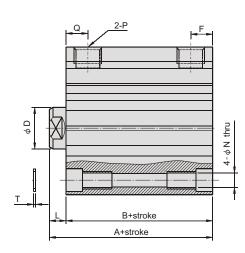
 $\phi 40$ 

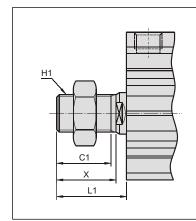
φ 50~100

Stroke 5~100









### MCJQ-11 male thread size

Code Tube I.D.	C1	H1	L1	Х
40	20.5	M14×1.5	28.5	23.5
50	26	M18×1.5	33.5	28.5
63	26	M18×1.5	33.5	28.5
80	32.5	M22×1.5	43.5	35.5
100	32.5	M26×1.5	43.5	35.5

Code	Stroke	Without	magnet	Мад	gnet	С	D	Е	F	н	_	J	JJ	К		М	N	OA	ОВ	Р	0	DΛ	RB	т	7
Tube I.D.	range	Α	В	Α	В		ט	_		- "	'	J	33	K	_	IVI	IN.	OA	ОВ	Г	Q	KA	KD	•	_
40	5~50	36.5	29.5	16.5	39.5	12	16	52	8	M8×1.25	70	5	57	14	7	40	5.5	M6×1.0	9	PT 1/8	11	10	7	1	14
40	75,100	46.5	39.5	40.5	39.5	13	10	52	0	IVIO × 1.25	70	5	37	14	,	40	5.5	1010 × 1.0	ຶ່ນ	F1 1/6	11	10	,	'	14
50	5~50	38.5	30.5	10 E	40.5	15	20	64	10.5	M10×1.5	86	7	71	17	0	50	6.6	M8×1.25	11	PT 1/4	10.5	14	8	1	19
50	75,100	48.5	40.5	40.5	40.5	15	20	04	10.5	WITU X 1.5	00	1	/ 1	17	0	30	0.0	IVIO × 1.25	11	(※1)	10.5	14	0	'	19
63	10~50	44	36	54	46	15	20	77	10.5	M10×1.5	102	7	84	17	8	60	9	M10×1.5	11	PT 1/4	15	18	10.5	1	10
03	75,100	54	46	34	40	13	20	''	10.5	WITU X 1.5	103	1	04	17	0	00	9	W10 × 1.5	14	(※2)	15	10	10.5		19
80	10~50	53.5	43.5	62 E	53.5	24	25	00	10 E	M16×2.0	122	e	104	22	10	77	11	M12×1.75	17 E	DT 3/8	16	22	13.5	2	26
80	75,100	63.5	53.5	03.5	53.5	21	25	90	12.5	W116 X 2.0	132	Ö	104	22	10	//	11	W112 X 1.75	17.5	(%3)	10	22	13.5		26
100	10~50	65	53	75	63	27	20	117	12	M20×2.5	156	6.5	100 5	27	12	0.4	11	M12 × 1 75	17 5	PT 3/8	22	22	13.5	2	26
100	75,100	75	63	1/3	03	21	30	117	13	IVIZU X Z.5	100	0.5	123.5	21	12	94	' '	IVI 12 X 1./3	17.5	(*3)	23	22	13.5		20

 $\slash\hspace{-0.05cm}$  1: Without magnet with stroke=5mm, P=PT 1/8  ${\scriptstyle \cdot }$  Q=12  ${\scriptstyle \cdot }$  F=8

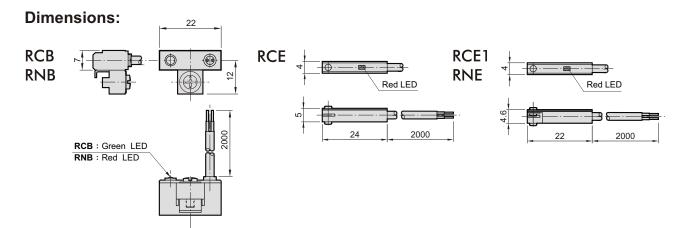
X2: Without magnet with stroke=5mm, P=PT 1/8

※3: Without magnet with stroke=5mm, P=PT 1/4

# MCJQ Installation of sensor switch $\phi$ 12~ $\phi$ 100

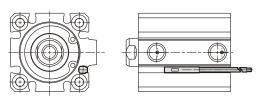


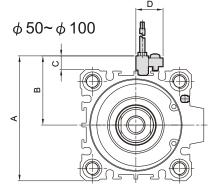
### **COMPACT CYLINDERS**

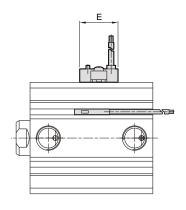


### Installation of sensor switch:

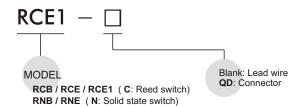








### Order example:



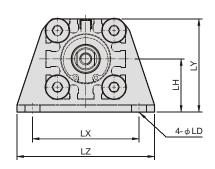
Code Tube I.D.	Α	В	С	D	Е
50	72	40	8	16	22
63	85	46.5	8	16	22
80	106	57	8	16	22
100	125	66.5	8	16	22

# Description: $\bigvee$ RCB switch $\bigvee$ RCE,RCE1 switch $\bigvee$ 820, $\phi$ 25 $\phi$ 10 $\phi$ 12 $\phi$ 16

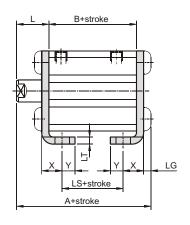




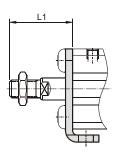






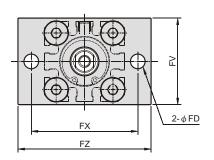


Male thread

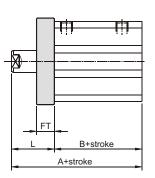


Code		St	andar	d stro	ke			Loi	ng stro	oke												
	Stroke	With	out ma	agnet	N	Magne	et	Stroke	_	В	LS	L	L1	LD	LG	LH	LT	LX	LY	LZ	Х	Υ
Tube I.D.	range	Α	В	LS	Α	В	LS	range	Α	В	LS											
12	5~30	35.3	17	5	40.3	22	10	35~100	50.3	32	20	13.5	24	4.5	2.8	17	2	34	29.5	44	8	4.5
16	5~30	35.3	17	5	40.3	22	10	35~100	50.3	32	20	13.5	25.5	4.5	2.8	19	2	38	33.5	48	8	5
20	5~50	41.2	19.5	7.5	51.2	29.5	17.5	75~200	62.7	41	29	14.5	28.5	6.6	4	24	3.2	48	42	62	9.2	5.8
25	5~50	44.7	22.5	7.5	54.7	32.5	17.5	75~300	66.2	44	29	15	32.5	6.6	4	26	3.2	52	46	66	10.7	5.8

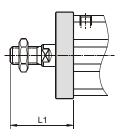




Female thread



Male thread



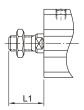
		Stand	ard stro	ke		Lon	g stroke	)							
Code	Stroke	Without	magnet	Mag	gnet	Stroke	_		FD	FT	FV	FX	FZ	L	L1
Tube I.D.	range	Α	В	Α	В	range	Α	В							
12	5~30	30.5	17	35.5	22	35~100	45.5	32	4.5	5.5	25	45	55	13.5	24
16	5~30	30.5	17	35.5	22	35~100	45.5	32	4.5	5.5	30	45	55	13.5	25.5
20	5~50	34	19.5	44	29.5	75~200	55.5	41	6.6	8	39	48	60	14.5	28.5
25	5~50	37.5	22.5	47.5	32.5	75~300	59	44	6.6	8	42	52	64	15	32.5



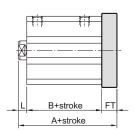
### COMPACT CYLINDERS

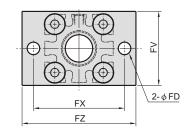






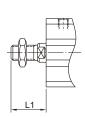
Female thread



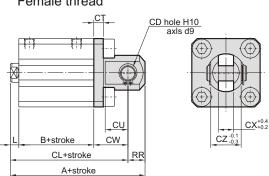


Code			Sta	andar	d stro	ke					Long :	stroke	)						
	Stroke	W	ithout	magr	net		Мад	gnet		Stroke	_	В		14	FD	FT	FV	FX	FZ
Tube I.D.	range	Α	В	L	L1	Α	В	L	L1	range	Α	В	_	L					
12	5~30	26	17	3.5	14	31	22	3.5	14	35~100	51	32	13.5	24	4.5	5.5	25	45	55
16	5~30	26	17	3.5	15.5	31	22	3.5	15.5	35~100	51	32	13.5	25.5	4.5	5.5	30	45	55
20	5~50	32	19.5	4.5	18.5	42	29.5	4.5	18.5	75~200	63.5	41	14.5	28.5	6.6	8	39	48	60
25	5~50	35.5	22.5	5	22.5	45.5	32.5	5	22.5	75~300	67	44	15	32.5	6.6	8	42	52	64





### Female thread



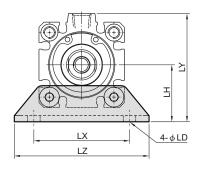
Code				Sta	andar	d stro	ke						Lor	ng str	oke									
	Stroke		Witho	out ma	agnet			N	/lagne	t		Stroke	_	В	CL		L1	CD	СТ	CU	CW	СХ	CZ	RR
Tube I.D.	range	Α	В	CL	L	L1	Α	В	CL	L	L1	range	Α	В	CL	_	LI							
12	5~30	40.5	17	34.5	3.5	14	45.5	22	39.5	3.5	14	35~100	65.5	32	59.5	13.5	24	5	4	7	14	5	10	6
16	5~30	41.5	17	35.5	3.5	15.5	46.5	22	40.5	3.5	15.5	35~100	66.5	32	60.5	13.5	25.5	5	4	10	15	6.5	12	6
20	5~50	51	19.5	42	4.5	18.5	61	29.5	52	4.5	18.5	75~200	82.5	41	73.5	14.5	28.5	8	5	12	18	8	16	9
25	5~50	57.5	22.5	47.5	5	22.5	67.5	32.5	57.5	5	22.5	75~300	89	44	79	15	32.5	10	5	14	20	10	20	10



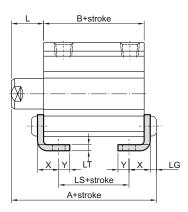
### COMPACT CYLINDERS



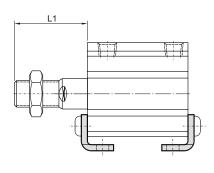
### Standard stroke



Female thread



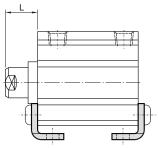
Male thread



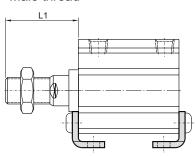
### Long storke

 $\Re$  Only for  $\phi$  32





Male thread



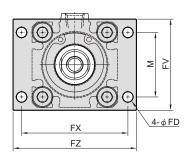
Code		St	andar	d stro	ke				Loi	ng str	oke												
\	Stroke	Witho	out ma	agnet	N	1agne	et	Str	oke		В		L	L1	LD	LG	LH	LT	LX	LY	LZ	Х	Υ
Tube I.D.	range	Α	В	LS	Α	В	LS	rar	nge	Α	В	LS											
32	5~50	47.2	23	7	57.2	33	17	125	200	60.7	15 5	29.5	17	38.5	6.6	4	30	3.2	57	57	71	11.2	E 0
32	75, 100	57.2	33	17	37.2	33	17	123	-300	09.7	45.5	29.5	17	36.5	0.0	4	30	3.2	37	37	7 1	11.2	5.6
Code		St	andar	d stro	ke																		
\	Stroke	Witho	out ma	agnet	N	1agne	et	L	L1	LD	LG	LH	LT	LX	LY	LZ	Х	Υ					
Tube I.D.	range	Α	В	LS	Α	В	LS																
40	5~50	53.7	29.5	13.5	63.7	30.5	23.5	17	38.5	6.6	4	33	3.2	64	64	78	11.2	7					
40	75, 100	63.7	39.5	23.5	03.7	39.5	23.5	17	36.5	0.0	4	33	3.2	04	04	70	11.2	′					
50	5~50	56.7	30.5	7.5	66.7	40 F	17.5	18	43.5	9	5	39	3.2	79	78	95	14.7	8					
30	75, 100	66.7	40.5	17.5	00.7	40.5	17.5	10	43.3	9	3	39	5.2	19	70	90	14.7	0					
63	5~50	62.2	36	10	72.2	16	20	18	43.5	11	5	46	3.2	95	91.5	113	16.2	9					
	75, 100	72.2	46	20	12.2	40	20	10	43.3	'''	3	40	5.2	93	91.5	113	10.2	9					
80	5~50	75	43.5	13.5	85	53 <b>5</b>	23.5	20	53.5	13	7	59	4.5	118	114	140	19.5	11					
00	75, 100	85	53.5	23.5	65	55.5	23.5	20	55.5	13	′	59	4.5	110	114	140	19.5	- 11					
100	5~50	88	53	19	98	63	29	22	53.5	13	7	71	6	137	136	162	23	12.5					
100	75, 100	98	63	29	90	US	29	22	33.5	13	′	'	١٠	137	130	102	23	12.5					

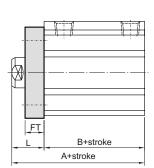


### COMPACT CYLINDERS



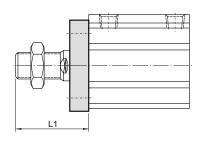






Female thread

### Male thread



Code		Stand	ard stro	ke		Long	stroke									
	Stroke	Without	magnet	Ма	gnet	Stroke	_	В	FD	FT	FV	FX	FZ	L	L1	М
Tube I.D.	range	Α	В	Α	В	range	Α	В								
32	5~50	40	23	E0.	22	125~300	60.5	4E E		8	48	EG	65	17	20 5	24
32	75, 100	50	33	50	33	125~300	62.5	45.5	5.5	0	40	56	00	17	38.5	34

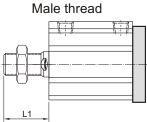
Code		Stand	ard stro	ke									
	Stroke	Without	magnet	Ма	gnet	FD	FT	FV	FX	FZ	L	L1	M
Tube I.D.	range	Α	В	Α	В								
40	5~50	46.5	29.5	56.5	39.5	5.5	8	54	62	72	17	38.5	40
40	75, 100	56.5	39.5	30.3	39.5	5.5	0	34	02	12	17	30.3	40
50	5~50	48.5	30.5	58.5	40.5	6.6	9	67	76	89	18	43.5	50
50	75, 100	58.5	40.5	56.5	40.5	0.0	9	67	76	09	10	43.5	50
63	5~50	54	36	64	46	9	9	80	92	108	18	43.5	60
- 03	75, 100	64	46	04	40	9	9	80	92	100	10	43.5	00
80	5~50	63.5	43.5	73.5	53.5	11	11	99	116	134	20	53.5	77
80	75, 100	73.5	53.5	73.5	55.5	''	''	99	110	134	20	53.5	7 7
100	5~50	75	53	0.5	62	11	11	117	126	151	22	E2 E	04
100	75, 100	85	63	85	63	11	11	117	136	154	22	53.5	94



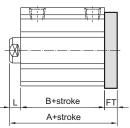
### **COMPACT CYLINDERS**

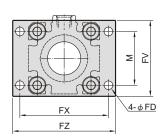






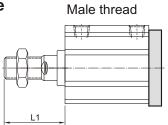
Female thread



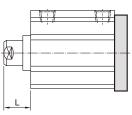


### Long storke

 $\Re$  Only for  $\phi$  32



### Female thread



Code		,	Standar	d stroke	Э				Long	stroke								
0000	Stroke	Without	magnet				L1	Stroke	Α	В		L1	FD	FT	FV	FX	FZ	M
Tube I.D.	range	Α	В	Α	В	-	- '	range	A	-	_							
22	5~50	38	23	48	33	7	28.5	125~300	70.5	45.5	17	38.5	5.5	8	48	56	65	34
32	75, 100	48	33	40	33	′	20.5	125~300	70.5	45.5	17	30.5	5.5	l °	40	96	00	34

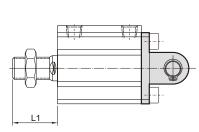
Code			Standar	d stroke	Э								
	Stroke	Without	magnet	Ма	gnet	FD	FT	FV	FX	FZ	L	L1	M
Tube I.D.	range	Α	В	Α	В								
40	5~50	44.5	29.5	54.5	39.5	5.5	8	54	62	72	7	28.5	40
40	75, 100	54.5	39.5	34.3	39.5	5.5	0	34	02	12	<b>'</b>	20.5	40
50	5~50	47.5	30.5	57.5	40.5	6.6	9	67	76	89	8	33.5	50
50	75, 100	57.5	40.5	57.5	40.5	0.0	9	67	76	09	0	33.5	50
63	5~50	53	36	63	46	9	9	80	92	108	8	33.5	60
03	75, 100	63	46	03	40	9	9	00	92	100	0	33.5	60
80	5~50	64.5	43.5	74.5	53.5	11	11	99	116	134	40	40.5	77
80	75, 100	74.5	53.5	74.5	53.5	11	111	99	116	134	10	43.5	//
100	5~50	76	53	96	63	11	11	117	400	151	40	43.5	94
100	75, 100	86	63	86	03	11	11	'''	136	154	12	43.5	94



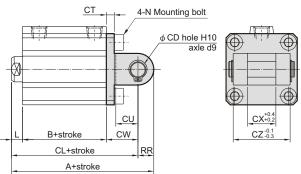
### **COMPACT CYLINDERS**



### Standard stroke Male thread

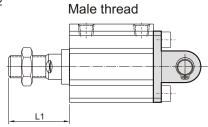


### Female thread

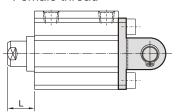


### Long storke

 $\Re$  Only for  $\phi$  32



### Female thread



Code			Stan	dard s	stroke							Lor	ng stro	oke										
	Stroke	With	out m	agnet	N	/lagne	et			Str	oke		_	<u></u>			CD	СТ	CU	cw	СХ	CZ	N	RR
Tube I.D.	range	Α	В	CL	Α	В	CL	-	L1	rar	nge	Α	В	CL	<b>-</b>	L1								
32	5~50	60	23	50	70	33	60	7	20.5	105	200	02.5	4E E	00.5	17	38.5	10	5	11	20	18	36	M6×1.0	10
32	75, 100	70	33	60	70	33	60		28.5	1251	~300	92.5	45.5	82.5	17	38.5	10	5	14	20	18	30	IVI6 X 1.0	10
Code			Stan	dard s	stroke																			
Code	Stroke	With	out m	agnet	N	/lagne	et	CD	СТ	CU	cw	СХ	CZ	L	L1	1	V	RR						
Tube I.D.	range	Α	В	CL	Α	В	CL	]																
40	5~50	68.5	29.5	58.5	70 5	20.5	68.5	10	6	14	22	18	36	7	28.5	Me	× 1.0	10						

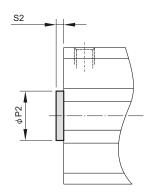
Tube I.D.	range	Α	В	CL	Α	В	CL										
40	5~50	68.5	29.5	58.5	70 E	20 E	68.5	10	6	14	22	18	36	7	28.5	M6×1.0	10
40	75, 100	78.5	39.5	68.5	76.5	39.5	00.5	10	0	14	22	10	30	′	20.5	IVIO X 1.0	10
50	5~50	80.5	30.5	66.5	00.5	40.5	76.5	14	7	20	28	22	44	8	33.5	M8×1.25	14
50	75, 100	90.5	40.5	76.5	90.5	40.5	70.5	14	1	20	20	22	44	0	33.5	IVIO × 1.25	14
63	5~50	88	36	74	98	46	84	14	8	20	30	22	44	8	33.5	M10×1.5	14
03	75, 100	98	46	84	90	40	04	14	0	20	30	22	44	0	33.5	W10 × 1.5	14
80	5~50	109.5	43.5	91.5	110 5	E2 E	101.5	18	10	27	38	28	EG	10	12 E	M12×1.75	18
80	75, 100	119.5	53.5	101.5	119.5	55.5	101.5	10	10	21	30	20	56	10	43.5	W112 X 1.75	10
100	5~50	132	53	110	142	63	120	00	40	24	45	20	C4	40	40.5	M40 v 4 75	00
100	75, 100	142	63	120	142	03	120	22	13	31	45	32	64	12	43.5	M12×1.75	22

# MCJQ Accessories $\phi$ 12~ $\phi$ 100

### COMPACT CYLINDERS

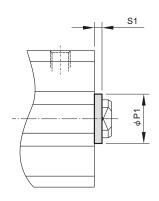


### Rear flange



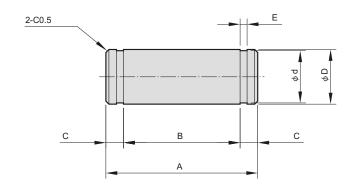
Code Tube I.D.	<b>P2</b> <sup>h9</sup>	S2
12	6	1.5
16	10	1.5
20	13	2
25	15	2
32	21	2
40	28	2
50	35	2
63	35	2
80	43	2
100	59	2

# RF



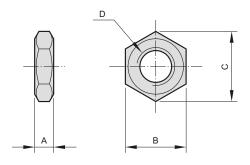
Code Tube I.D.	<b>P1</b> <sup>h9</sup>	S1
12	15	1.5
16	20	1.5
20	13	2
25	15	2
32	21	2
40	28	2
50	35	2
63	35	2
80	43	2
100	59	2

## Pin for CB



Code Tube I.D.	Α	В	С	$\phi  \mathbf{D}^{ ext{d9}}$	$\phi$ d	E	Snap ring
12	14.6	10.2	2.2	$5^{-0.03}_{-0.06}$	4.8 _0_0	0.7 +0.10	STW-5
16	16.6	12.2	2.2	$5^{-0.03}_{-0.06}$	4.8 _0_0	0.7 +0.10	STW-5
20	21	16.2	2.4	8-0.04	7.6 -0.06	0.9 +0.10	STW-8
25	25.6	20.2	2.7	10-0.04	9.6 -0.06	1.15 +0.14	STW-10
32,40	41.6	36.2	2.7	10-0.04	9.6 -0.09	1.15 +0.14	STW-10
50,63	50.6	44.2	3.2	14-0.05	13.4 -0.11	1.15 +0.14	STW-14
80	64	56.2	3.9	18 <sup>-0.05</sup> <sub>-0.10</sub>	17.0 -0.11	1.35 +0.14	STW-18
100	72	64.2	3.9	22-0.12	21.0 -0.21	1.35 +0.14	STW-22

# Rod front nut



Code Tube I.D.	Α	В	С	D
12	4	8	9.2	M5×0.8
16	5	10	11.5	M6×1.0
20	5	13	15	M8×1.25
25	6	17	19.6	M10×1.25
32,40	8	22	25.4	M14×1.5
50,63	11	27	31.4	M18×1.5
80	13	32	37	M22×1.5
100	16	41	47.3	M26×1.5