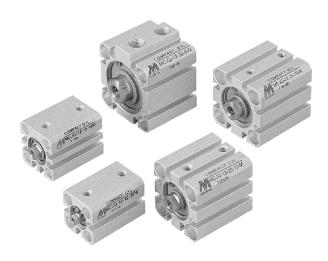
MCJQ series

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			
φ 32~80	5,10,15,20,25,30,	125 150 175 200 250 200			
ψ 32~60	35,40,45,50,75,100	125,150,175,200,250,300			

Tube	I.D.	Standard stroke (mm)	
φ 100		5,10,15,20,25,30,35,40,45,50,75,100	

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

Features

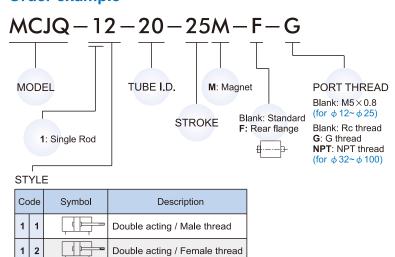
- Ultra Compact, light weight and space saving cylinder.
- Wide range of bore sizes and strokes (12mm~100mm).
- Single and double acting available.
- Ideal for use in machinery where space is limited and incorporating sensor groove which enables flush fitting of sensors.
- Sensor can be mounted on any one of three faces on 12 and 16 bore and on four faces on 20~100 bore.

Specification

Model	MCJQ						
Acting type	Double acting						
Tube I.D.(mm)	12, 16	20, 25	32, 40	50, 63	80, 100		
Port size	M5>	< 0.8	Rc1/8	Rc1/4	Rc3/8		
Medium	Air						
Operating pressure range	0.07~1		0.05~	1 MPa			
Proof pressure			1.5 MPa				
Ambient temperature	-5°C~+60°C (No freezing)						
Available speed range	50~500 mm/sec						
Sensor switch (*)	F	RCE, RCE1 RCB, RCE,					

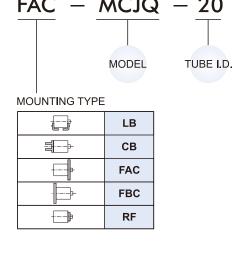
* RCB, RCE, RCE1 specification, please refer to page V-07, V-09.

Order example



X Order example for special specification, refer to page J-03.

Mounting accessories



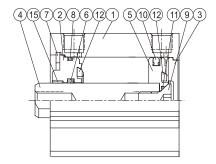


MCJQ Inside structure & Parts list / Standard stroke

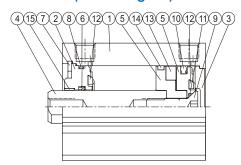


COMPACT CYLINDERS

Standard stroke



Standard stroke (with magnet)



Standard stroke — **Material**

No.	Tube I.D. Part name	12	16	20	25	32	40	50	63	80	100	Note	Q'y	Component parts (inclusion)	Repair kits (inclusion)
1	Body				Alu	ıminı	ım al	loy				Hard anodized	1		
2	Rod cover				Alu	ıminı	ım al	loy				φ 12~ φ 32 hard anodized φ 40~ φ 100 anodized	1	•	
3	End cover				Alu	ıminu	ım al	loy				Anodized	1	•	
4	Piston With magnet	Sta	ainle	ss ste	el		С	arbo	r ste	el			1		
	rod Without magnet	SUS	SUS Carbor steel										1		
5	Piston		Aluminum alloy						φ 12~32 anodized	1	•				
6	Rod packing					NE	BR				1	•	•		
7	Snap ring		Stain	less	steel		Spring steel				1	•			
8	Cover ring					NE	NBR				1	•	•		
9	Piston bolt		Stain	less	steel		SCM				1	•			
10	Piston packing					NE	BR				1	•	•		
11	Piston gasket					NE	3R				1	•	•		
12	Cushion packing		NBR										2	•	•
13	Magnet	Plas					stic	stic				1	•		
14	Wear ring —				Teflon				1	•					
15	Bush						Bearing alloy				1	•			

Standard stroke — Seal kit

	Rod packing	Piston packing	Cover ring	Piston gasket
Acting type		Double	action	
Qty.	1	1	1	1
12	KSYR-6	OPA-12	S-11	d4×w1
16	KSYR-8	OPA-16	S-14	d5×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	G-75	d20×w1
100	ORA-30	OPA-100	G-95	S-26

Order example Component parts

Tube I.D.	Component parts
φ12	CP-MCJQ-12-12(M)
φ16	CP-MCJQ-12-16(M)
φ20	CP-MCJQ-12-20(M)
φ 25	CP-MCJQ-12-25(M)
φ32	CP-MCJQ-12-32(M)
φ40	CP-MCJQ-12-40(M)
φ 50	CP-MCJQ-12-50(M)
φ63	CP-MCJQ-12-63(M)
φ80	CP-MCJQ-12-80(M)
φ 100	CP-MCJQ-12-100(M)

M: With magnet

Repair kits

Tube I.D.	Repair kits
φ12	PS-MCJQ-12-12
φ16	PS-MCJQ-12-16
φ20	PS-MCJQ-12-20
φ25	PS-MCJQ-12-25
φ32	PS-MCJQ-12-32
φ40	PS-MCJQ-12-40
φ50	PS-MCJQ-12-50
φ63	PS-MCJQ-12-63
φ80	PS-MCJQ-12-80
φ 100	PS-MCJQ-12-100



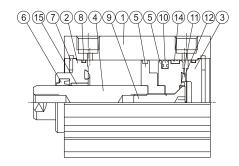


MCJQ Inside structure & Parts list / Long stroke

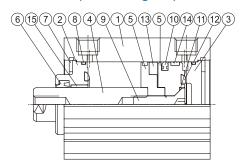


COMPACT CYLINDERS

Long stroke



Long stroke (with magnet)



Long stroke — **Material**

No.	Tube I.D Part name	12	16	20	25	32	40	50	63	80	Note	Q'y	Component parts (inclusion)	Repair kits (inclusion)
1	Body			/	Alum	inum	alloy	/			Hard anodized	1		
2	Rod cover			/	Alum	inum	alloy	/			φ 12~ φ 32 hard anodized φ 40~ φ 80 anodized	1	•	
3	End cover			/	Alum	inum	alloy	/			Anodized	1	•	
4	Piston With magnet Stainless steel Carbor s				teel			1						
4	rod Without	SUS				Car	Carbor steel					1		
5	Piston	ton Aluminum a				alloy	/			φ 12~32 anodized	1	•		
6	Rod packing					NBR	٦					1	•	•
7	Snap ring		Stair	less	steel		Spring steel				2	•		
8	Cover ring		NBR									2	•	•
9	Piston bolt		Stainless steel SCM						1	•				
10	Piston packing	packing NBR					1	•	•					
11	Piston gasket	ston gasket NBR					1	•	•					
12	Cushion packing NBR							2	•	•				
13	Magnet Plastic				С				1	•				
14	Wear ring		Teflon									1	•	
15	Bush			_			В	earin	g allo	ру		1	•	

Long stroke — Seal kit

	Rod packing	Piston packing	Cove	r ring	Piston gasket	
Acting type		Double	action			
Qty.	1	1	2	<u>)</u>	1	
12	KSYR-6	OPA-12	S-	11	d4×w1	
16	KSYR-8	OPA-16	S-	14	d5×w1	
20	KSYR-10A	OPA-20	S-	18	d6×w1	
25	KSYR-12	OPA-25	S-:	22	d8×w1	
32	KSYR-16	OPA-32	d28×w2		S-9	
40	ORA-16	OPA-40	S-36		S-10	
50	ORA-20	OPA-50	S-46		S-16	
63	ORA-20	OPA-63	S-60		S-16	
80	ORA-25	OPA-80	AS-41 G-75		d20×w1	

Order example Component parts

Tube I.D. Component parts φ 12 CPL-MCJQ-12-12(M) φ 16 CPL-MCJQ-12-16(M) φ 20 CPL-MCJQ-12-25(M) φ 25 CPL-MCJQ-12-25(M) φ 32 CPL-MCJQ-12-32(M) φ 40 CPL-MCJQ-12-40(M) φ 50 CPL-MCJQ-12-50(M) φ 63 CPL-MCJQ-12-63(M) φ 80 CPL-MCJQ-12-80(M)

Repair kits

Tube I.D.	Repair kits
φ12	PSL-MCJQ-12-12
φ16	PSL-MCJQ-12-16
φ20	PSL-MCJQ-12-20
φ25	PSL-MCJQ-12-25
φ32	PSL-MCJQ-12-32
φ40	PSL-MCJQ-12-40
φ50	PSL-MCJQ-12-50
φ63	PSL-MCJQ-12-63
φ80	PSL-MCJQ-12-80

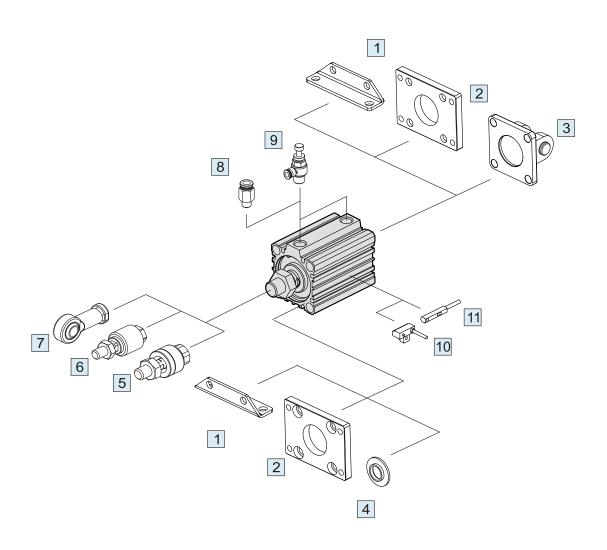
M: With magnet







COMPACT CYLINDERS



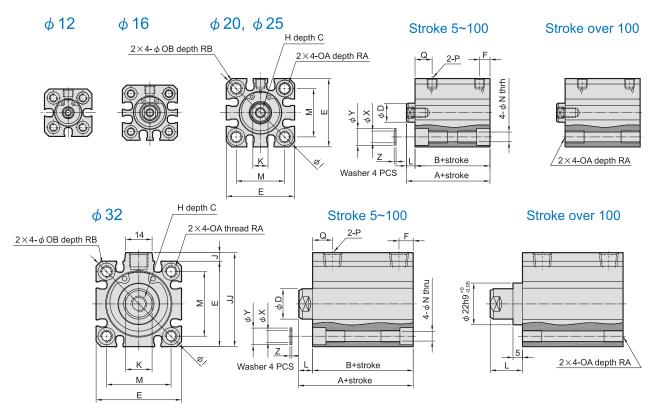
No.	Accessories	Page
1	Mounting accessories LB	K-08,10
2	Mounting accessories FAC/FBC	K-08,09,11,12
3	Mounting accessories CB+PIN	K-09,13,14
4	Mounting accessories RF	K-14
5	Floating joint MFC	V-01
6	Floating joint MFCS	V-03
7	Female rod ends PHS	V-04

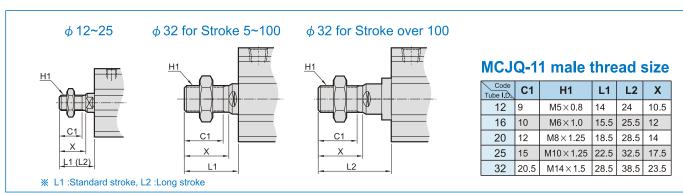
No.	Accessories	Page
8	Fitting PC (PISCO)	H-03
9	Speed controller JSC (PISCO)	H-14
10	Sensor switch RCB	V-07
11	Sensor switch RCE/RCE1	V-09





COMPACT CYLINDERS





ϕ 12~25

Code			St	tanda	ard s	troke				l	ong	stro	ke																		
	Stroke	Wit	thout r	nagn	et		Mag	net		Stroke	^	В	П		С	D	Е	Н	П	ĸ	М	N	OA	ОВ	Р	Q	RA	RB	X	Υ	Z
Tube I.D.	range	Α	В	F	L	Α	В	F	L	range	Α	Р	Г	_																	
12	5~30	20.5	17	5	3.5	25.5	22	5	3.5	31~100	45.5	32	7.5	13.5	6	6	25	M3×0.5	32	5	15.5	3.5	M4×0.7	6.5	M5×0.8	7.5	7	4	4.2	6.3	0.5
16	5~30	20.5	17	5	3.5	25.5	22	5	3.5	31~100	45.5	32	7.5	13.5	8	8	29	M4×0.7	38	6	20	3.5	M4×0.7	6.5	M5×0.8	7.5	7	4	4.2	6.3	0.5
20	5~50	24	19.5	5.5	4.5	34	29.5	5.5	4.5	51~200	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	6.2	8.8	1
25	5~50	27.5	22.5	5.5	5	37.5	32.5	5.5	5	51~300	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	6.2	8.8	1

φ32

\setminus	Code		5	Stand	dard :	strok	е				Lo	ng stı	oke																				
١,	-	Stroke	Without	magnet	Мас	gnet	٦			Stroke	_	В	_	-		Р	C	D	E	Н	Т	J	JJ	ĸ	М	N	OA	ОВ	RA	RB	Х	Υ	Z
T	Tube I.D.	range	Α	В	Α	В	Г	-	Q	range	A	В	Г	_	Q																		
	32	5~50	30	23	40	33	7.5	7	10.5	101~300	60.5	1E E	10 E	17	10 5	Rc1/8	12	16	15	MOV4 DE	60	1 5	40 E	11	24	<i>E E</i>	M6×1.0	0	10	7	6.0	8.8	
	32	51~100	40	33	40	33	7.5	7	10.5	101~300	02.5	45.5	12.5	17	12.5	(※1)	13	10	45	C2.1 X OW	60	4.5	49.5	14	34	5.5	IVIO X 1.U	9	10	′	0.2	0.0	

%1: Without magnet with stroke=5mm, P=M5 \times 0.8 \times Q=11.5 \times F=5.5

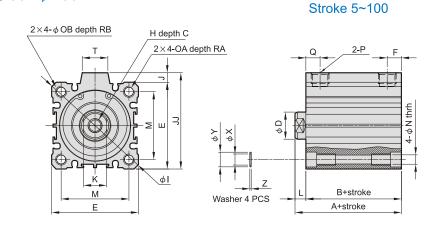


MCJQ Dimensions $\phi 40 \sim \phi 100$

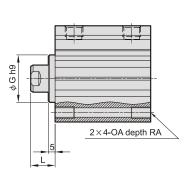
Avindman

COMPACT CYLINDERS

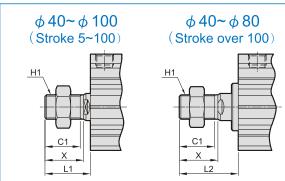




Stroke over 100







MCJQ-11 male thread size

Code Tube I.D.	C1	H1	L1	L2	X
40	20.5	M14×1.5	28.5	38.5	23.5
50	26	M18×1.5	33.5	43.5	28.5
63	26	M18×1.5	33.5	43.5	28.5
80	32.5	M22×1.5	43.5	53.5	35.5
100	32.5	M26×1.5	43.5		35.5

Code			Stand	ard st	roke					L	ong str	oke		
\	Stroke	Without	magnet	Ма	gnet	F		Q	Stroke	Α	В	F	-	Q
Tube I.D\	range	Α	В	Α	В		1	3	range	A	Ь		1	Q
40	5~50	36.5	29.5	16.5	39.5	8	7	11	125~300	72	55	14	17	14
40	75,100	46.5	39.5	40.5	39.3	0	′	'''	125~500	12	33	14	17	14
50	5~50	38.5	30.5	10 E	40.5	10.5	8	10.5	125~300	73.5	55.5	14	18	14
50	75,100	48.5	40.5	40.5	40.5	10.5	0	10.5	125~300	73.5	33.3	14	10	14
63	5~50	44	36	54	46	10.5	8	15	125~300	75	57	16.5	18	16.5
03	75,100	54	46	34	40	10.5	0	13	125~500	/3	37	10.5	10	10.5
80	5~50	53.5	43.5	62.5	53.5	12.5	10	16	125~300	86	66	19	20	19
80	75,100	63.5	53.5	03.5	55.5	12.5	10	10	125~300	00	00	19	20	19
400	75,100 5~50	65	53	75	63	13	12	23						
100	5~50 75,100	75	63	/3	03	13	12	23		•				

Code Tube I.D.\	С	D	Е	G h9	Н	I	J	JJ	K	М	N	OA	ОВ	Р	RA	RB	Т	Х	Υ	Z
40	13	16	52	28 +0 -0.052	M8×1.25	70	5	57	14	40	5.5	M6×1.0	9	Rc1/8	10	7	14	6.2	8.8	1
50	15	20	64	35 +0 -0.062	M10×1.5	86	7	71	17	50	6.6	M8×1.25	11	Rc1/4(%1)	14	8	19	8.2	10.8	1
63	15	20	77	35 +0 -0.062	M10×1.5	103	7	84	17	60	9	M10×1.5	14	Rc1/4(※2)	18	10.5	19	10.2	13.8	1
80	21	25	98	43 +0 -0.062	M16×2.0	132	6	104	22	77	11	M12×1.75	17.5	Rc3/8(%3)	22	13.5	26	12.2	17.3	2
100	27	30	117	_	M20×2.5	156	6.5	123.5	27	94	11	M12×1.75	17.5	Rc3/8(※3)	22	13.5	26	12.2	17.3	2

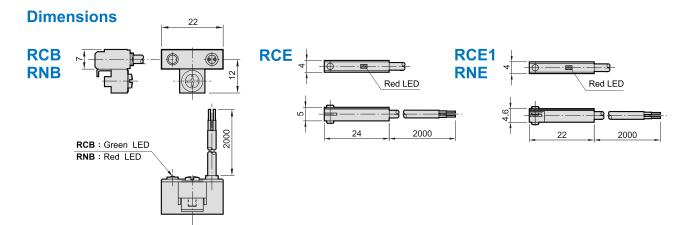
- $\slash\hspace{-0.05cm}$ 1: Without magnet with stroke=5mm, P=Rc1/8 \sim Q=12 \sim F=8
- $\ \%2$: Without magnet with stroke=5mm, P=Rc1/8
- *3: Without magnet with stroke=5mm, P=Rc1/4



MCJQ Installation of sensor switch $\phi 12 \sim \phi 100$

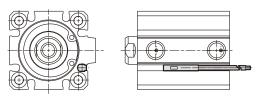


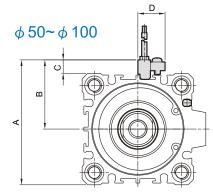
COMPACT CYLINDERS

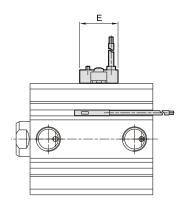


Installation of sensor switch

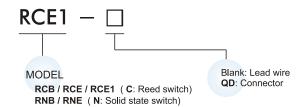








Order example



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 ∇ RCB switch ▼ RCE,RCE1 switch Φ 32, Φ 40 Φ 12 Φ 16 Φ 20, Φ 25

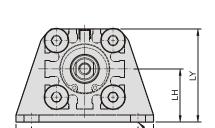


MCJQ Mounting accessories / Double acting ϕ 12~ ϕ 25



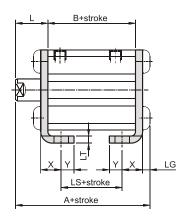
COMPACT CYLINDERS

LB

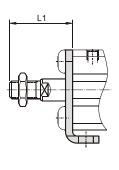


4-φLD

Female thread

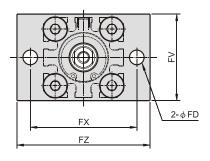


Male thread

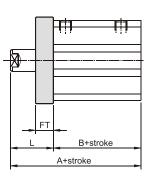


Code		St	andar	d stro	ke			Loi	ng stro	oke												
		With	out ma	agnet	N	Magne	et	Stroke	_	В	LS	L	L1	LD	LG	LH	LT	LX	LY	LZ	Х	Υ
Tube I.D.	range	Α	В	LS	Α	В	LS	range	Α	В	LS											
12	5~30	35.3	17	5	40.3	22	10	35~100	50.3	32	20	13.5	24	4.5	2.8	17	2	34	29.5	44	8	4.5
16	5~30	35.3	17	5	40.3	22	10	35~100	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

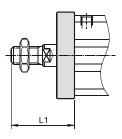
FAC



Female thread



Male thread



١	Code		Stand	ard stro	ke		Lon	g stroke)							
		Stroke	Without	magnet	Ма	gnet	Stroke	Λ	В	FD	FT	FV	FX	FZ	L	L1
ľ	Tube I.D.	range	Α	В	Α	В	range	Α	_ B							
	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
ſ	25	5~50	37.5	22.5	47.5	32.5	75~300	59	44	6.6	8	42	52	64	15	32.5

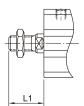




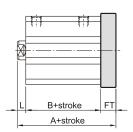
COMPACT CYLINDERS

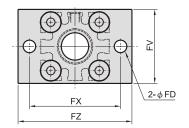


Male thread



Female thread

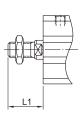




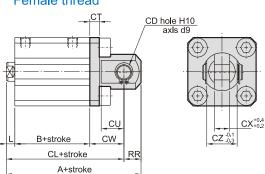
Code			Sta	andar	d stro	ke					Long :	stroke)						
	Stroke	W	ithout	magr	net		Mag	gnet		Stroke	_	В		L1	FD	FT	FV	FX	FZ
Tube I.D.	range	Α	В	L	L1	Α	В	L	L1	range	Α	Ь	-						
12	5~30	26	17	3.5	14	31	22	3.5	14	35~100	51	32	13.5	24	4.5	5.5	25	45	55
16	5~30	26	17	3.5	15.5	31	22	3.5	15.5	35~100	51	32	13.5	25.5	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

CB

Male thread



Female thread



Code				St	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	A	В	CL	_								
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

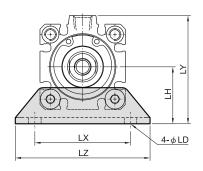


MCJQ Mounting accessories / Double acting $\phi 32 \sim \phi 100$

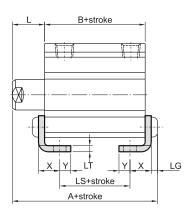
COMPACT CYLINDERS

LB

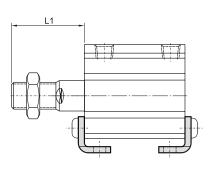
Standard stroke



Female thread

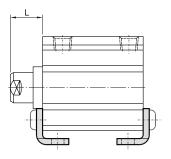


Male thread

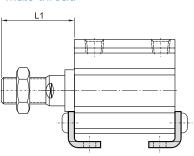


Long storke

Female thread



Male thread



Code		St	andar	d stro	ke			Lor	ng str	oke												
	Stroke	With	out ma	agnet	N	/lagne	et	Stroke	Α	В	LS	L	L1	LD	LG	LH	LT	LX	LY	LZ	Х	Υ
Tube I.D.\	range	Α	В	LS	Α	В	LS	range	^	В	LS											
32	5~50	47.2	23	7	57.2	33	17	125~300	60.7	15.5	29.5	17	38.5	6.6	4	30	3.2	57	57	71	11.2	5.8
32	75, 100	57.2	33	17	37.2	33	17	123-300	09.7	45.5	29.3	17	30.3	0.0	4	30	3.2	37	31	<i>'</i> '	11.2	3.6
40	5~50	53.7	29.5	13.5	63.7	30.5	23.5	125~300	70.2	55	39	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	125~300	19.2	55	39	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	40.5	17.5	125~300	017	55.5	32.5	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	123-300	01.7	33.3	32.3	10	43.5	ภ	5	39	3.2	19	70	95	14.7	
63	5~50	62.2	36	10	72.2	46	20	125~300	02.2	E-7	31	18	43.5	11	5	46	3.2	95	91.5	113	16.2	9
03	75, 100	72.2	46	20	12.2	40	20	125~300	03.2	57	31	10	43.5	- 11	5	40	3.2	95	91.5	113	10.2	9
80	5~50	75	43.5	13.5	85	E2 E	23.5	125~300	97.5	66	36	20	53.5	13	7	59	4.5	118	114	140	19.5	11
80	75, 100	85	53.5	23.5	85	53.5	23.5	125~300	97.5	00	30	20	53.5	13	′	59	4.5	110	114	140	19.5	_ '']
100	5~50	88	53	19	00	63	29	125~300				22	53.5	13	7	71	6	137	136	160	22	10.5
100	75, 100	98	63	29	98	63	29	125~300				22	33.5	13	_ ′	71	О	137	136	162	23	12.5





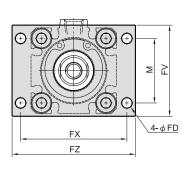
MCJQ Mounting accessories / Double acting ϕ 32~ ϕ 100

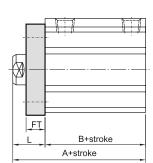


COMPACT CYLINDERS

FAC

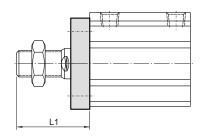






Female thread





Code		Stand	ard stro	ke		Lon	g stroke)								
	Stroke	Without	magnet	Mag	gnet	Stroke	Α	В	FD	FT	FV	FX	FZ	L	L1	М
Tube I.D.	range	Α	В	Α	В	range	A	В								
32	5~50	40	23	50	33	125~300	62.5	45.5	5.5	8	48	56	65	17	38.5	34
32	75, 100	50	33	50	33	125~300	02.5	45.5	5.5	0	40	50	05	17	36.3	34
40	5~50	46.5	29.5	56.5	39.5	125~300	72	55	5.5	8	54	62	72	17	38.5	40
40	75, 100	56.5	39.5	56.5	39.5	125~300	12	55	5.5	0	54	02	12	17	30.5	40
50	5~50	48.5	30.5	58.5	40.5	125~300	73.5	55.5	6.6	9	67	76	89	18	43.5	50
50	75, 100	58.5	40.5	36.3	40.5	125~300	73.5	55.5	0.0	9	67	76	09	10	43.5	30
63	5~50	54	36	64	46	125~300	75	57	9	9	80	92	108	18	43.5	60
03	75, 100	64	46	04	40	125~300	75	57	9	9	00	92	100	10	43.5	60
80	5~50	63.5	43.5	70.5	F0 F	125~300	86	00	11	11	99	440	404	20	F2 F	77
80	75, 100	73.5	53.5	73.5	53.5	125~300	86	66	11	11	99	116	134	20	53.5	77
100	5~50	75	53	0.5	60	125~300			44	44	447	420	454	20	F2 F	0.4
100	75, 100	85	63	85	63	125~300			11	11	117	136	154	22	53.5	94

MCJQ Mounting accessories / Double acting ϕ 32~ ϕ 100

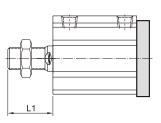


COMPACT CYLINDERS

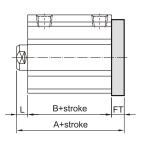


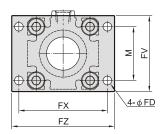
Standard stroke





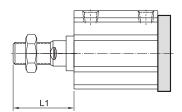
Female thread



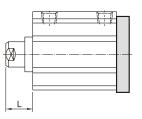


Long storke

Male thread



Female thread



Code	Standard stroke					Long stroke																
	Stroke	Without magnet		magnet Magne			L1	Stroke		В		L1	FD	FT	FV	FX	FZ	М				
Tube I.D.	range	Α	В	Α	В	_		range	Α	В	_	L.										
32	5~50	38	23	40	33	7	28.5	125, 200	70.5	45.5	17	38.5	5.5	8	48	56	65	24				
32	75, 100	48	33	48	33	'	20.5	125~300										34				
40	5~50	44.5	29.5	54.5	E 1 E	54.5	54.5	E1 E	39.5	7	28.5	125~300	80	55	17	38.5	5.5	8	54	62	72	40
40	75, 100	54.5	39.5		39.5	l ′	20.5	123-300	0	33	17	30.3	5.5	0	34	02	12	40				
50	5~50	0 47.5 3	30.5	57.5	40.5	8	33.5	3.5 125~300	82.5	55.5	18	43.5	6.6	9	67	76	89	50				
30	75, 100	57.5	40.5			ľ						43.5						50				
63	5~50	53	36	63	46	8	33.5	125~300	0.4	57	18	43.5	9	9	80	92	108	60				
03	75, 100 6	63	46	03	40	0	33.5	125~300	84													
90	5~50	64.5	43.5	74.5	53.5	10	40.5	125, 200	07	00	20	53.5	11	11	99	116	134	77				
80	75, 100	74.5	53.5	74.5	53.5	10	43.5	125~300	97	66	20											
100	5~50	76	53	0.0	63	40	40.5	125~300	_				44	11	447	120	151	04				
100	75, 100	86	63	86	63	12	43.5	125~300					11	11	117	136	154	94				

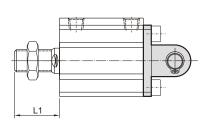
MCJQ Mounting accessories / Double acting ϕ 32~ ϕ 100



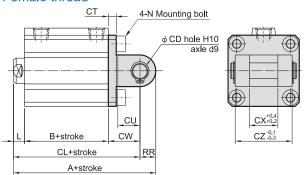
COMPACT CYLINDERS

CB

Standard stroke Male thread

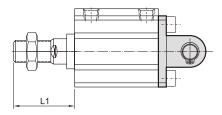


Female thread

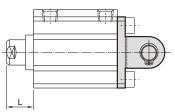


Long storke

Male thread



Female thread



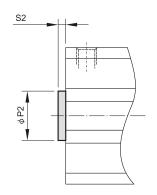
Code		Standard stroke						Long stroke																						
	Stroke Without ma		agnet Magnet		et		L1	Stroke	Α	В	B CL	L	L1	CD	СТ	CU	cw	СХ	CZ	N	RR									
Tube I.D.	range	Α	В	CL	Α	В	CL	_		range	^	Ь	CL	1	Ī															
32	5~50	60	23	50	70 33	33	60	7	28.5	125~300	92.5	45.5	82.5	17	17 38.5	10	5	14	20	18	36	M6×1.0	10							
32	75, 100	70	33	3 60 70			00	_ ′	20.5	125~300	92.5	45.5	02.5	17																
40	5~50	68.5	29.5	58.5	l 78.51	70 E	70 5	70 5	70 5	70 5	20.5	60 5	7	28.5	125~300	104	55	94	17	38.5	10	6	14	22	18	36	M6×1.0	10		
40	75, 100	78.5	39.5	68.5		39.5	00.5	′	20.5	123 300	104	55	94	17	30.5	10		14		10	30	1010 × 1.0	10							
50	5~50	80.5	30.5	66.5	190.5	00 5 4	90.5	40.5	76.5	8	33.5	125~300	115.5	55.5	101.5	18	43.5	14	7	20	28	22	44	M8×1.25	14					
50	75, 100	90.5	40.5	76.5		, 40.5	40.5		70.5	0															14					
63	5~50	88	36	74	00	00	00	00	00	98	00	00	46 8	84	8	22.5	125~200	110	57	105	18	125	14	8	20	30	00	14	M10 V 1 E	14
03	75, 100	98	46	84	90	40	04	0	33.5	125~300	0 119	57	105	18	43.5	14	8	20	30	22	44	M10×1.5	14							
80	5~50	109.5	43.5	91.5	440.5	E2 E	101.5	10	43.5	125~300	142	66	104	20	E2 E	18	10	27	38	28	56	M12×1.75	10							
80	75, 100	119.5	53.5	101.5	119.5	33.5	101.5	10	43.5	125~300	142	00	124	20	20 53.5	18	10	21					10							
100	5~50	132	53	110	142	63	120	12	43.5	125~300	_					22	13	31	45	32	64	M12×1.75								
100	75, 100	142	63	120	142	63	120	12				_											22							

MCJQ Accessories ϕ 12~ ϕ 100

∕uindman

COMPACT CYLINDERS

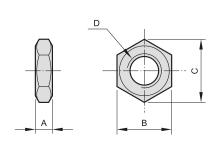
Rear flange



 	S1
	ф Ф Ф

RF

Rod front nut



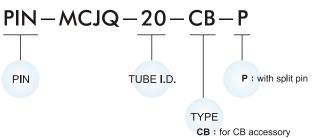
Code Tube I.D.	P2 ^{h9}	S2
12	6	1.5
16	10	1.5
20	13	2
25	15	2
32	21	2
40	28	2
50	35	2
63	35	2
80	43	2
100	59	2

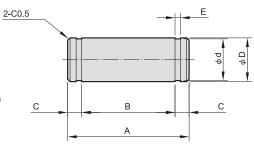
Code Tube I.D.	P1 ^{h9}	S1
12	15	1.5
16	20	1.5
20	13	2
25	15	2
32	21	2
40	28	2
50	35	2
63	35	2
80	43	2
100	59	2

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

Pin for CB

Order example





Code Tube I.D.	Α	В	С	$\phi\mathbf{D}^{ ext{d9}}$	ϕ d	Е	Snap ring	
12	14.6	10.2	2.2	5-0.03	4.8 _0.04	0.7 +0.10	STW-5	
16	16.6	12.2	2.2	5-0.03	4.8 -0.04	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	18-0.05	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	