

Features

1. Hard anodized aluminum barrel provides corrosion and wear resistance as well as long life.
2. Compact size and space saving.
3. Strict quality control ensures the product in stability and excellent performance.
4. Simple maintenance and installation.
5. Different bore sizes and strokes for selection.
6. Various sensor switches are available.



How to order

JQ	32	B50	H	M	SR	D	1	S
Type	Bore size	Stroke	Rod thread	Magnet	Sensor	Type	Number of sensor	Rod material
JQ :Standard double acting	12 :Ø12		Blank:Female thread	Blank :W/O magnet	Blank :W/O sensor	Blank :Reed switch	1 pc	Blank :S45C
JQA :Stroke adjustable 25mm	16 :Ø16		H:Male thread	M :W/I magnet	SS :Square type	D :NPN	2 pcs	S :SUS304
JQB :Stroke adjustable 50mm	20 :Ø20					E :PNP		
JQD :Double rod/Double acting	25 :Ø25							
	32 :Ø32							
	40 :Ø40							
	50 :Ø50							
	63 :Ø63							

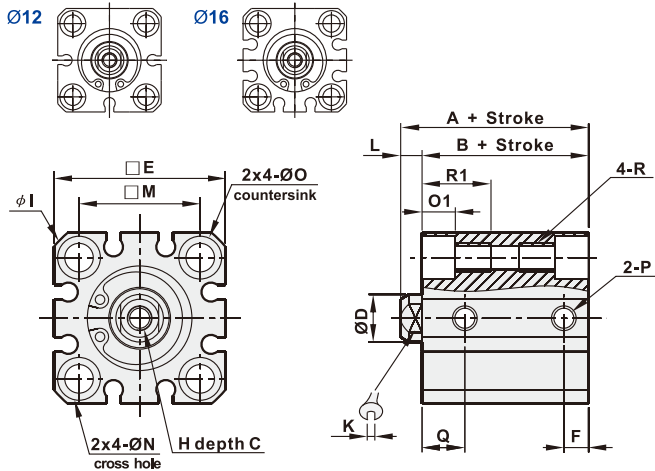
1. The body length of JQ-M cylinder (Magnetic type) is 10mm longer than JQ cylinder (Non-Magnetic type).
2. Stainless mounting bolts is suggested for the installation of JQ-M cylinder (Magnetic type).
- *Sensor please refer to P3-191~P3-193
*Repair kit to P3-85

Specifications

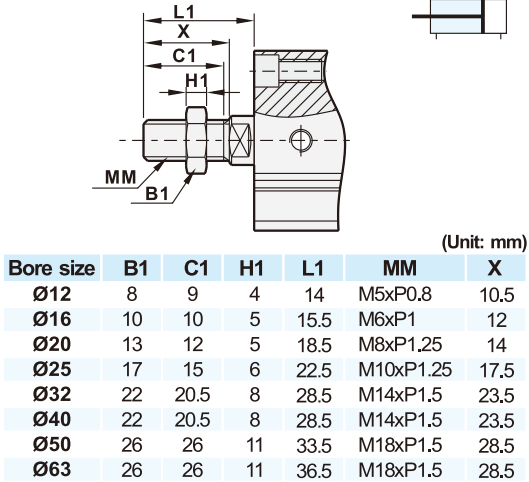
Bore size	Ø12	Ø16	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63
Port size	M5xP0.8				1/8"		1/4"	
Fluid	Compressed air							
Acting	Double acting							
Operating pressure range	1.0 ~ 9 kgf/cm²							
Max operating pressure	9.5 kgf/cm²							
Barrel material	Aluminum alloy							
Magnet	Option							
Cushion	Cushion Plate							
Ambient temperature	-5°C ~ 60°C							
Piston speed	50 ~ 700mm/Sec							
Double acting mm/Sec.	50~500							
Single acting mm/Sec.	100~500							

Dimensions

JQ Standard double acting (Ø12 ~Ø25)

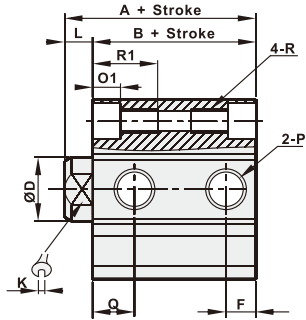
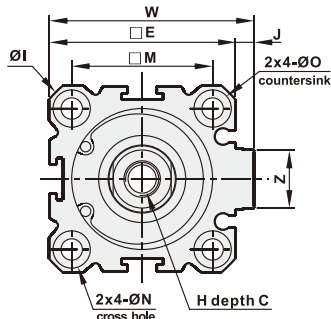


Piston rod with male thread



Bore size	B1	C1	H1	L1	MM	X
Ø12	8	9	4	14	M5xP0.8	10.5
Ø16	10	10	5	15.5	M6xP1	12
Ø20	13	12	5	18.5	M8xP1.25	14
Ø25	17	15	6	22.5	M10xP1.25	17.5
Ø32	22	20.5	8	28.5	M14xP1.5	23.5
Ø40	22	20.5	8	28.5	M14xP1.5	23.5
Ø50	26	26	11	33.5	M18xP1.5	28.5
Ø63	26	26	11	36.5	M18xP1.5	28.5

JQ Standard double acting (Ø32 ~Ø63)



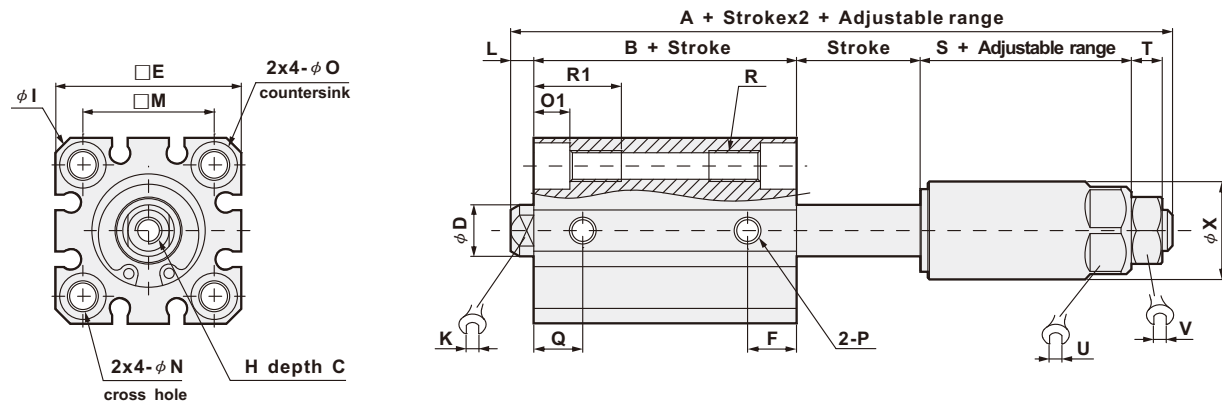
Bore size	Stroke	Without magnet					W/I magnet					C	D	E
		A	B	F	P	Q	A	B	F	P	Q			
Ø12	5~30	20.5	17	5	M5xP0.8	7.5	30.5	27	5	M5xP0.8	7.5	6	6	25
Ø16	5~30	22	18.5	5.5	M5xP0.8	8	32	28.5	5.5	M5xP0.8	8	8	8	29
Ø20	5~50	24	19.5	5.2	M5xP0.8	9	34	29.5	5.2	M5xP0.8	9	10	10	36
Ø25	5~50	27.5	22.5	5.5	M5xP0.8	11	37.5	32.5	5.5	M5xP0.8	11	12	12	40
Ø32	10~50	30	23	7.5	Rc1/8	10.5	40	33	7.5	Rc1/8	10.5	13	16	45
	75~100													
Ø40	5~50	36.5	29.5	8	Rc1/8	11	46.5	39.5	8	Rc1/8	11	13	16	52
	75~100	46.5	39.5											
Ø50	10~50	38.7	30.7	10.5	Rc1/4	10.5	48.7	40.7	10.5	Rc1/4	10.5	15	20	64
	75~100													
Ø63	10~50	44	36	10.5	Rc1/4	15	54	46	10.5	Rc1/4	15	15	20	77
	75~100	54	46											

Bore size	H	I	J	K	L	M	N	O	O1	R	R1	W	Z
Ø12	M3xP0.5	32	-	5	3.5	15.5	3.5	Ø6.5	4.5	M4xP0.7	7	-	-
Ø16	M4xP0.7	38	-	6	3.5	20	3.5	Ø6.5	4.4	M4xP0.7	7	-	-
Ø20	M5xP0.8	47	-	8	4.5	25.5	5.15	Ø9	7	M6xP1.0	17	-	-
Ø25	M6xP1.0	52	-	10	5	28	5.15	Ø9	7	M6xP1.0	17	-	-
Ø32	M8xP1.25	59.1	4.5	14	7	34	5.15	Ø9	7	M6xP1.0	17	49.5	14
Ø40	M8xP1.25	68.6	5	14	7	40	5.15	Ø9	7	M6xP1.0	17	57	14
Ø50	M10xP1.5	84.8	7	17	8	50	6.8	Ø11	8	M8xP1.25	22	71	19
Ø63	M10xP1.5	101.9	7	17	8	60	8.6	Ø14	10.5	M10xP1.5	28.5	84	19

■ Dimensions

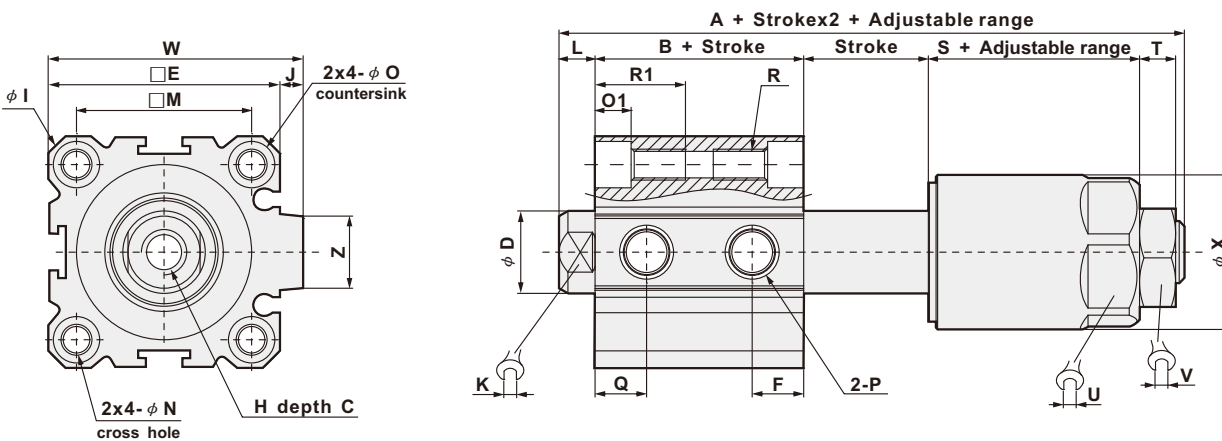
JQA, JQB Stroke adjustable type (φ 20~φ 25)
(Adjustable stroke: JQA 0~25mm, JQB 0~63mm)

JQA, JQB: Stroke adjustable
25mm, 50mm (φ 12~φ 25)



JQA, JQB Stroke adjustable type (φ 32~φ 63)
(Adjustable stroke: JQA 0~25mm, JQB 0~63mm)

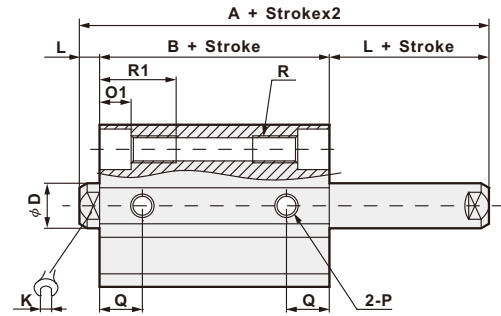
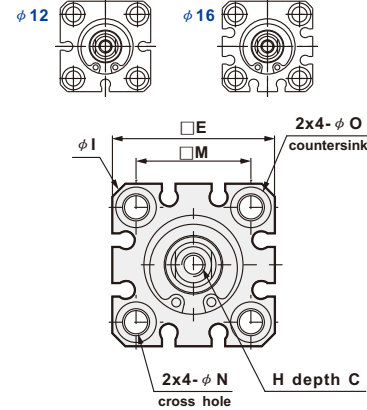
JQA, JQB: Stroke adjustable
25mm, 50mm (φ 32~φ 63)



■ Dimensions

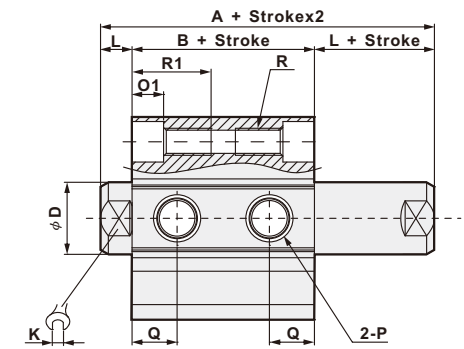
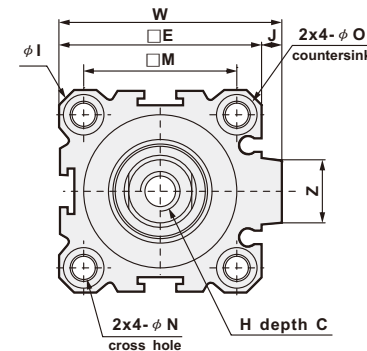
JQD Double rod/Double acting (φ 20 ~ φ 25)

JQD: Double rod/
Double acting (φ 12~φ 25)



JQD Double rod/Double acting (φ 32 ~ φ 63)

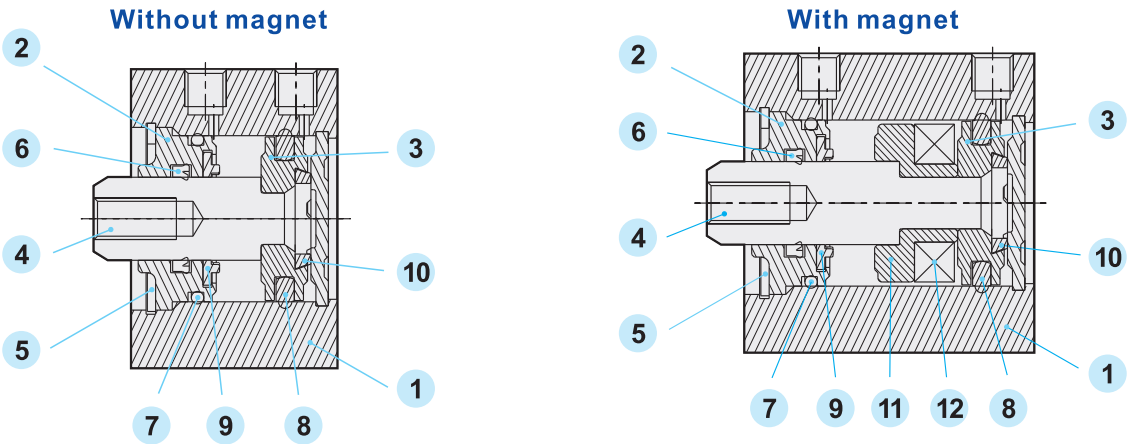
JQD: Double rod/
Double acting (φ 32~φ 63)



Bore size	Stroke	Without magnet				W/I magnet				(Unit: mm)			
		A	B	P	Q	A	B	P	Q	C	D	E	
φ 12	5~30	32.5	25.2	M5xP0.8	10.5	39.4	32.4	M5xP0.8	10.5	6	6	25	
φ 16	5~30	33	26	M5xP0.8	10	43	36	M5xP0.8	10	8	8	29	
φ 20	5~50	35	26	M5xP0.8	9.5	45	36	M5xP0.8	9.5	7	10	36	
φ 25	5~50	39	29	M5xP0.8	11	49	39	M5xP0.8	11	12	12	40	
φ 32	10~50 75~100	44.5	30.5	Rc1/8	10	54.5	40.5	Rc1/8	10	13	16	45	
φ 40	5~50 75~100	54	40	Rc1/8	13	64	50	Rc1/8	13	13	16	52	
φ 50	10~50 75~100	56.5	40.5	Rc1/4	14	66.5	50.5	Rc1/4	14	15	20	64	
φ 63	10~50 75~100	58 68	42 52	Rc1/4	15.5	68	52	Rc1/4	15.5	15	20	77	

Bore size	H	I	J	K	L	M	N	O	O1	R	R1	S	T	U	V	W	X	Z
φ 12	M3xP0.5	32	-	5	3.5	15.5	3.5	φ 6.5	4.5	M4xP0.7	11.5	12	4	13	8	-	φ 15	-
φ 16	M4xP0.7	38	-	6	3.5	20	3.5	φ 6.5	4.5	M4xP0.7	11.5	12	5	13	10	-	φ 15	-
φ 20	M5xP0.8	47	-	8	4.5	25.5	5.15	φ 9	7	M6xP1.0	17	16	6	17	13	-	φ 19	-
φ 25	M6xP1.0	52	-	10	5	28	5.15	φ 9	7	M6xP1.0	17	16	6	22	17	-	φ 25	-
φ 32	M8xP1.25	59.1	4.5	14	7	34	5.15	φ 9	7	M6xP1.0	17	16	7	27	19	49.5	φ 30	14
φ 40	M8xP1.25	68.6	5	14	7	40	5.1	φ 9	7	M6xP1.0	17	16	7	27	19	57	φ 30	14
φ 50	M10xP1.5	84.8	7	17	8	50	6.8	φ 11	8	M8xP1.25	22	21	8	36	22	71	φ 40	19
φ 63	M10xP1.5	101.9	7	17	7	60	8.6	φ 14	10.5	M10xP1.5	28.5	21	8	36	24	84	φ 40	19

Material of parts



No.	Description	Material	Qty.
1	Barrel	Aluminum alloy	1
2	Front cover	Aluminum alloy	1
3	Piston	Aluminum alloy	1
4	Piston rod	S45C+Cr	1
5	Snap ring	Spring steel	1
6	Rod seal	HNBR	1

No.	Description	Material	Qty.
7	O-ring for front cover	NBR	1
8	U-Piston seal	NBR	1
9	Cushion Plate	NBR	1
10	Cushion Plate	NBR	1
11	Magnet Holder	Aluminum alloy	1
12	Magnet	Rubber magnet	1

How to order Repair kit

Repair kit for JQ Cylinder	Bore size
ZGJQ (JQ)	12 : ϕ 12 32 : ϕ 32
ZGJQB (JQD. JQA. JQB)	16 : ϕ 16 40 : ϕ 40
	20 : ϕ 20 50 : ϕ 50
	25 : ϕ 25 63 : ϕ 63

Repair kit :

ZGJQ		ZGJQB	
Description	Qty.	Description	Qty.
Rod seal	1	Rod seal	2
O-ring for front cover	1	O-ring for front cover	2
U-Piston seal	1	U-Piston seal	1

Stroke table

		(Unit: mm)	
Bore size	Acting	Stroke table	Mzx. Stroke
ϕ 12~ ϕ 16	Double acting (W/O magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60	60
	Double acting (W/I magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50	50
ϕ 20~ ϕ 40	Double acting (W/O magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110	110
	Double acting (W/I magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100	100
ϕ 50	Double acting (W/O magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120	120
	Double acting (W/I magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110	110
ϕ 63	Double acting (W/O magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110, 120	120
	Double acting (W/I magnet)	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 110	110

※Please contact our sales for non-standard stroke.

Memo..

