

Features

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



How to order

JQ	32	B	50	H	M	SR	1
Type	Bore size	Stroke	Rod thread	Magnet	Sensor type	Number of sensor	
JQ	Standard double acting	20 ϕ 20	Blank Female thread H Male thread	Blank W/O magnet M W/I magnet	Blank W/O sensor SS Square type	1 pc 2 pcs	
JQA	Stroke adjustable 25mm (ϕ 20~ ϕ 50)	25 ϕ 25 32 ϕ 32					
JQB	Stroke adjustable 50mm (ϕ 20~ ϕ 50)	40 ϕ 40 50 ϕ 50					
JQD	Double rod/Double acting (ϕ 20~ ϕ 50)						

※ Please use stainless setting bolts for magnet type cylinder to mount.

Stroke table

Bore size	Acting	Stroke table (mm)
ϕ 12	Double acting	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
ϕ 16		
ϕ 20		
ϕ 25		

AL-11R

SR

Round type

AL-07R

SU

Square type

AL-16R

※ Please use stainless setting bolts for magnet type cylinder to mount.

Stroke table

Bore size	Acting	Stroke table (mm)
ϕ 12	Double acting	5, 10, 15, 20, 25, 30, 35, 40, 45, 50
ϕ 16		
ϕ 20		5, 10, 15, 20, 25, 30, 35, 40, 45, 50
ϕ 25		
ϕ 32		10, 15, 20, 25, 30, 35, 40, 45, 50
ϕ 40		
ϕ 50		

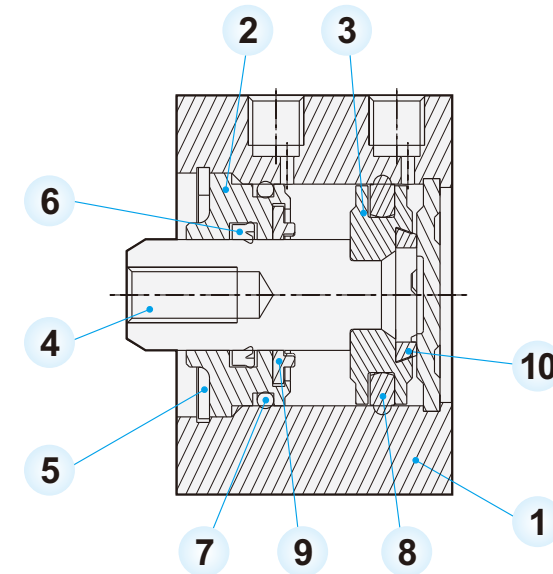
※ Please contact our sales for non-standard stroke.

Specifications

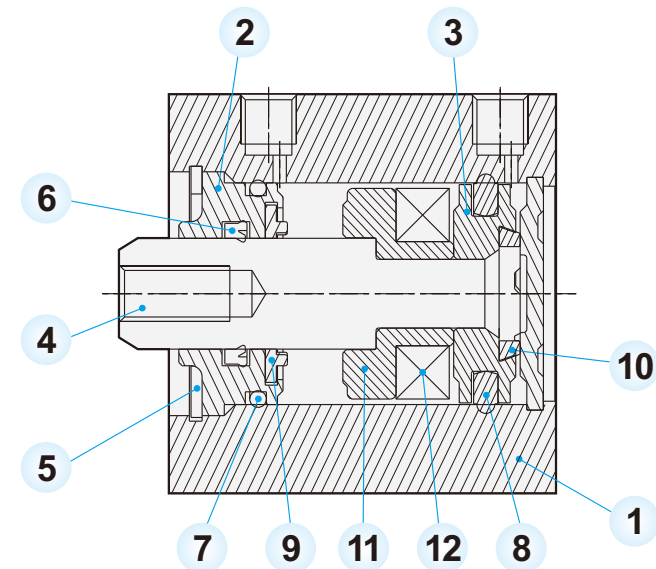
Bore size	φ 12	φ 16	φ 20	φ 25	φ 32	φ 40	φ 50
Port size	M5xP0.8				1/8"		1/4"
Fluid	Compressed air						
Acting	Double acting or single acting						
Operating pressure range	1.0 ~ 9 kgf/cm ²						
Max operating pressure	9.5 kgf/cm ²						
Barrel material	Aluminum alloy						
Magnet	Option						
Cushion	Cushion Plate						
Ambient temperature	-5℃ ~ 60℃						
Piston speed	50~700mm/Sec						
Double acting mm/Sec.	50~500						
Single acting mm/Sec.	100~500						

Material of parts

Without magnet



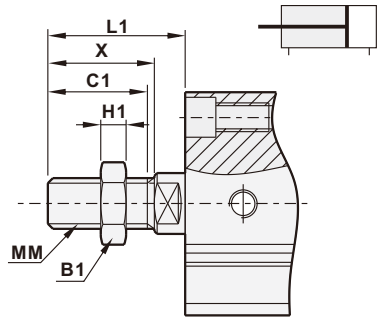
With magnet



No.	Description	Material	Qty.	No.	Description	Material	Qty.
1	Barrel	Aluminum alloy	1	7	O-ring	NBR	1
2	Front cover	Aluminum alloy	1	8	U-Piston seal	NBR	1
3	Piston	Aluminum alloy	1	9	Cushion Plate	NBR	1
4	Piston rod	S45C+Cr	1	10	Cushion Plate	NBR	1
5	Snap ring	Spring steel	1	11	Magnet Holder	Aluminum alloy	1
6	Rod seal	NBR	1	12	Magnet	Rubber magnet	1

Dimensions

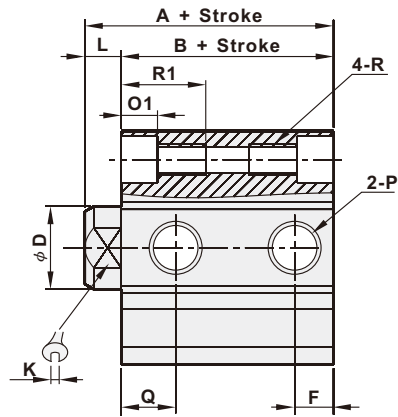
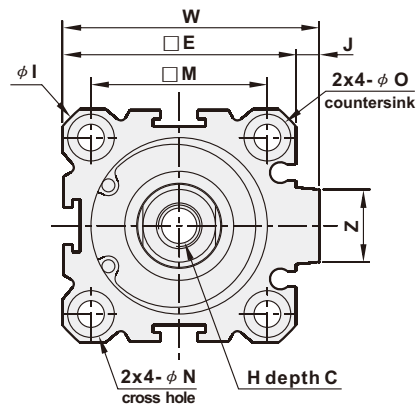
- JQA, JQB Stroke adjustable type (ϕ 20~ ϕ 25)**
(Adjustable stroke: JQA 0~25mm, JQB 0~50mm)



(Unit: mm)

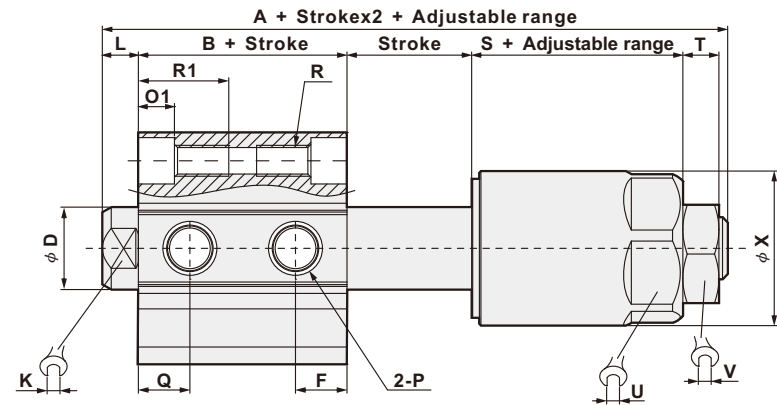
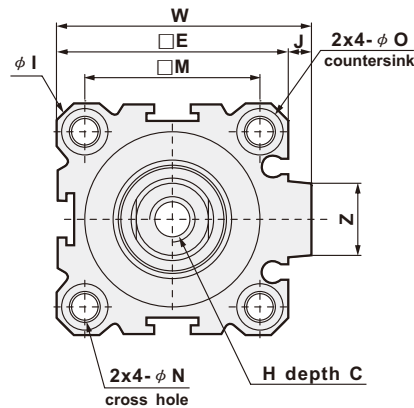
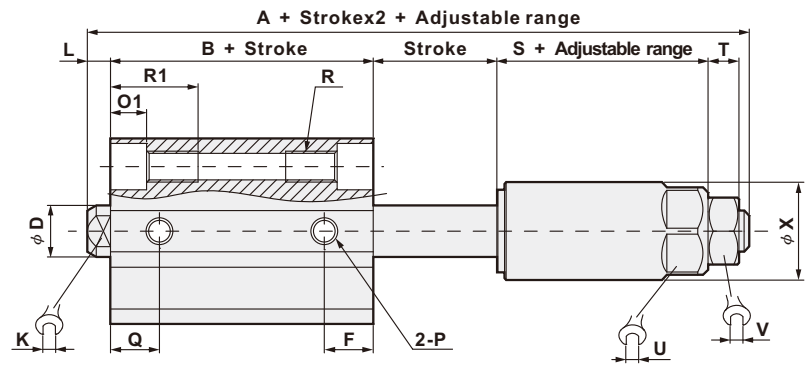
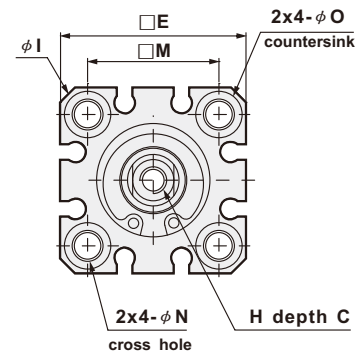
Bore size	B1	C1	H1	L1	MM	X
ϕ 12	8	9	4	14	M5xP0.8	10.5
ϕ 16	10	10	5	15.5	M6xP1	12
ϕ 20	13	12	5	18.5	M8xP1.25	14
ϕ 25	17	15	6	22.5	M10xP1.25	17.5
ϕ 32	22	20.5	8	28.5	M14xP1.5	23.5
ϕ 40	22	20.5	8	28.5	M14xP1.5	23.5
ϕ 50	27	26	11	33.5	M18xP1.5	28.5

- **JQA, JQB Stroke adjustable type ($\phi 32 \sim \phi 50$)**
(Adjustable stroke: JQA 0~25mm, JQB 0~50mm)



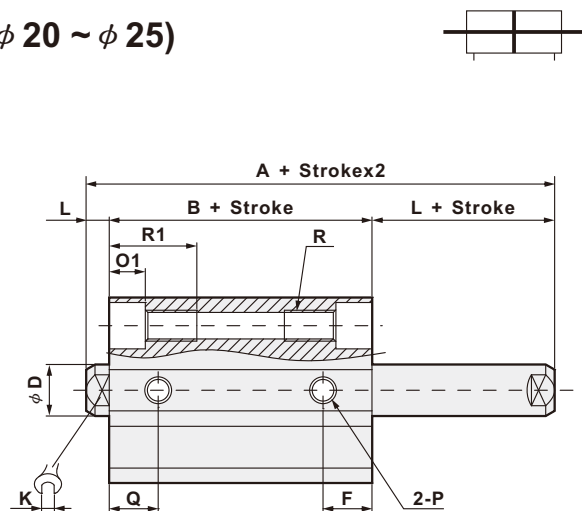
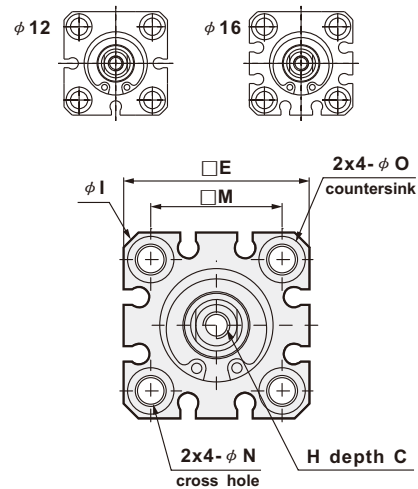
(Unit: mm)

Bore size	Stroke	Without magnet					W/I magnet					C	D	E
		A	B	F	P	Q	A	B	F	P	Q			
φ 12	5~30	20.5	17	5	M5xP0.8	7.5	31.5	28	5	M5xP0.8	7.5	6	6	25
φ 16	5~30	22	18.5	5.5	M5xP0.8	8	34	30.5	5.5	M5xP0.8	8	8	8	29
φ 20	5~50	24	19.5	5.2	M5xP0.8	9	36	31.5	5.2	M5xP0.8	10.5	7	10	36
φ 25	5~50	27.5	22.5	5.5	M5xP0.8	11	37.5	32.5	5.5	M5xP0.8	11	12	12	40
φ 32	5	30	23	5.5	M5xP0.8	11.5	40	33	7.5	Rc1/8	10.5	13	16	45
	10~50			7.5	Rc1/8	10.5								
	75~100	40	33											
φ 40	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											
φ 50	10~50	38.5	30.5	10.5	Rc1/4	10.5	48.5	40.5	10.5	Rc1/4	10.5	15	20	64
	75~100	48.5	40.5											
Bore size	H	I	J	K	L	M	N	O	O1	R	R1	W	Z	
φ 12	M3xP0.5	32	-	5	3.5	15.5	3.5	φ 6.5	4.5	M4xP0.7	7	-	-	
φ 16	M4xP0.7	38	-	6	3.5	20	3.5	φ 6.5	4.5	M4xP0.7	7	-	-	
φ 20	M5xP0.8	47	-	8	4.5	25.5	5.15	φ 9	7	M6xP1.0	17	-	-	
φ 25	M6xP1.0	52	-	10	5	28	5.15	φ 9	7	M6xP1.0	17	-	-	
φ 32	M8xP1.25	59.1	4.5	14	7	34	5.15	φ 9	7	M6xP1.0	17	49.5	14	
φ 40	M8xP1.25	68.6	5	14	7	40	5.15	φ 9	7	M6xP1.0	17	57	14	
φ 50	M10xP1.5	84.8	7	17	8	50	6.8	φ 11	8	M8xP1.25	22	71	19	

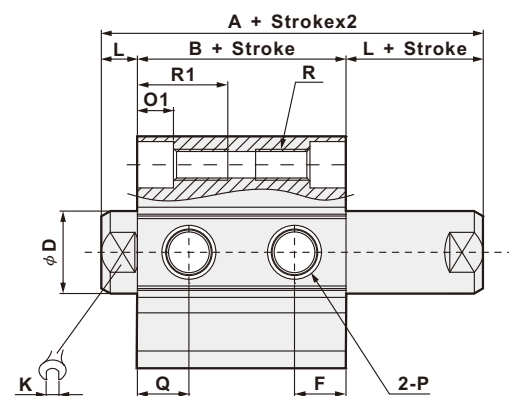
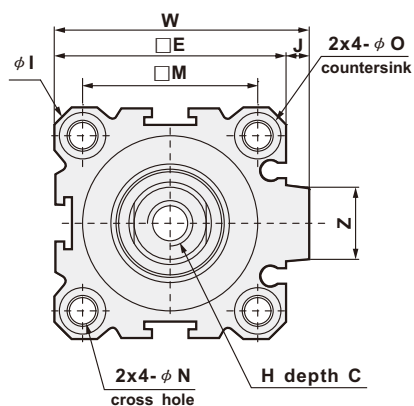


Dimensions

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



JQD Double rod/Double acting (φ 32 ~ φ 50)



(Unit: mm)

Bore size	Stroke	Without magnet					W/I magnet					C	D	E
		A	B	F	P	Q	A	B	F	P	Q			
φ 12	5~30	32.5	25.2	5	M5xP0.8	7.5	39.4	32.4	5	M5xP0.8	7.5	6	6	25
φ 16	5~30	33	26	5.5	M5xP0.8	8	43	36	5.5	M5xP0.8	8	8	8	29
φ 20	5~50	35	26	5.2	M5xP0.8	9	47	38	5.2	M5xP0.8	10.5	7	10	36
φ 25	5~50	39	29	5.5	M5xP0.8	11	49	39	5.5	M5xP0.8	11	12	12	40
φ 32	5	44.5	30.5	5.5	M5xP0.8	11.5	54.5	40.5	7.5	Rc1/8	10.5	13	16	45
	10~50			7.5	Rc1/8	10.5								
	75~100			7.5	Rc1/8	10.5								
φ 40	5~50	54.5	40.5	8	Rc1/8	11	64	50	8	Rc1/8	11	13	16	52
	75~100	64	50											
φ 50	10~50	56.5	40.5	10.5	Rc1/4	10.5	66.5	50.5	10.5	Rc1/4	10.5	15	20	64
	75~100	66.5	50.5											

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	-	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	-	15	-
φ 20	M5xP0.8	47	-	8	4.5	25.5	5.15	φ 9	7	M6xP1.0	17	16	6	17	13	-	19	-
φ 25	M6xP1.0	52	-	10	5	28	5.15	φ 9	7	M6xP1.0	17	16	6	22	17	-	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	30	14
φ 40	M8xP1.25	68.6	5	14	7	40	5.15	φ 9	7	M6xP1.0	17	16	7	27	19	57	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	40	19

