

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

※ For ϕ JC32~ ϕ 100 non-rotated type, please contact our sales for request.

JC		32		B	50	H	M	SS		1		
Type		Bore size		Stroke		Rod thread		Magnet		Sensor type		Number of sensor
JC	Standard double acting	12	φ 12			Blank	Female thread	Blank	W/O magnet	Blank	W/O sensor	1 pc 2 pcs
JCO	Single acting/Spring extended (φ 12~φ 50)	16	φ 16			H	Male thread	M	W/I magnet	SS	Square type	
JCI	Single acting/Spring return (φ 12~φ 50)	20	φ 20			 AL-11R						
JCA	Stroke adjustable 25mm (φ 20~φ 100)	25	φ 25									
JCB	Stroke adjustable 50mm (φ 20~φ 100)	32	φ 32									
JCDD	Double rod/Double acting (φ 20~φ 100)	40	φ 40									
		50	φ 50									
		63	φ 63	 AL-07R								
		80	φ 80									
		100	φ 100									
				SR Round type								

AL-11R

SR Round type

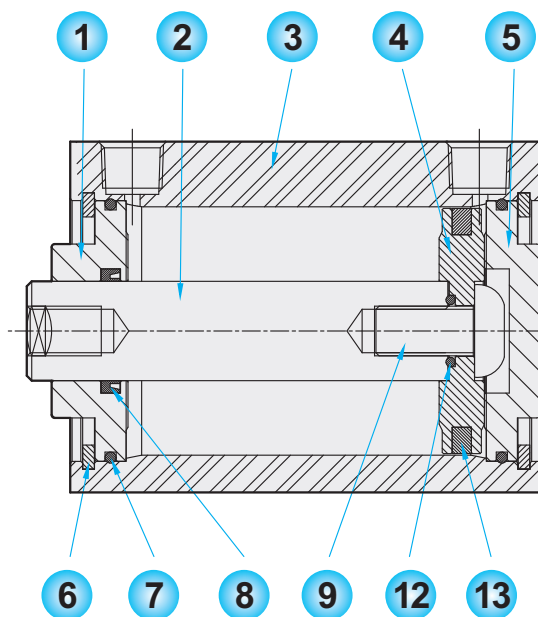
AL-07R

Specifications

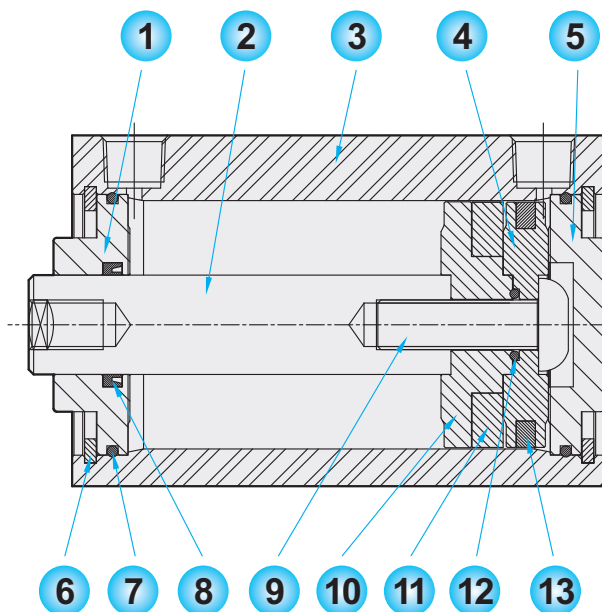
Bore size	φ 12	φ 16	φ 20	φ 25	φ 32	φ 40	φ 50	φ 63	φ 80	φ 100
Port size	M5x0.8				1 / 8"		1 / 4"		3 / 8"	
Fluid	Compressed air									
Acting	Double acting or single acting									
Operating pressure range	1.0 ~ 9 kgf/cm ²									
Max operating pressure	9.5 kgf/cm ²									
Barrel material	Aluminum alloy									
Magnet	Option									
Ambient temperature	-5℃ ~ 60℃									
Piston speed	50~700mm/Sec									
Double acting mm/Sec.	50~500							50~300	50~250	
Single acting mm/Sec.	100~500							—		

Material of parts

Without magnet



With magnet



No.	Description	Material	Qty.
1	Front cover	Aluminum alloy	1
2	Piston rod	S45C+Cr	1
3	Barrel	Aluminum alloy	1
4	Piston	Aluminum alloy	1
5	Rear cover	Aluminum alloy	1
6	Snap ring	Spring steel	2
7	O-ring	NBR	2

No.	Description	Material	Qty.
8	Rod packing	NBR	1
9	Hex socket head cap screw	Fe	1
10	Magnet holder	Aluminum	1
11	Magnet	Ferrite magnet	1
12	O-ring	NBR	1
13	U-Piston seal	NBR	1

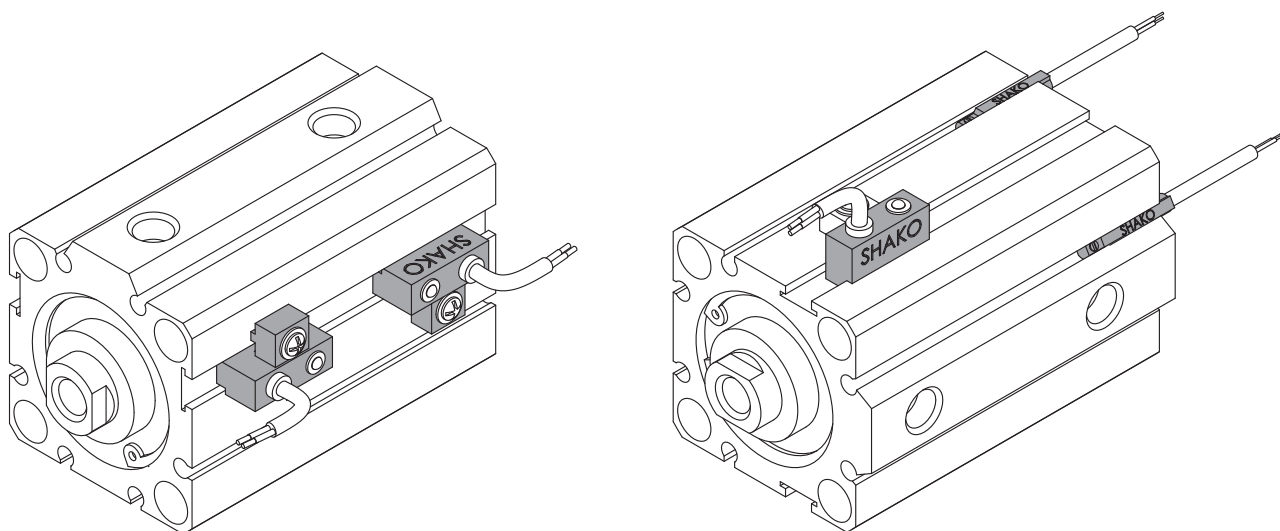
Stroke table

Model	Bore size	Standard stroke (mm)	Standard stroke (with magnet)
Double acting	φ 12	5 10 15 20 25 30	5 10 15 20 25 30
	φ 16		
	φ 20	5 10 15 20 25 30 (35) 40 (45) 50	5 10 15 20 25 30 (35) 40 (45) 50
	φ 25		
	φ 32	(5) 10 (15) 20 (25) 30 (35) 40 (45) 50	(5) 10 (15) 20 (25) 30 (35) 40 (45) 50
	φ 40		
	φ 50		
	φ 63	(5) 10 (15) 20 (25) 30 (35) 40 (45) 50 75	(5) 10 (15) 20 (25) 30 (35) 40 (45) 50 75
	φ 80		
	φ 100		
Single acting	φ 12	5 10	(5) 10 (15) 20
	φ 16		
	φ 20		
	φ 25		
	φ 32		
	φ 40		
	φ 50	10 20	

Note: 1.The body length is increased of 5mm for stroke 15mm, 25mm, 35mm, 45mm, 55mm.

2.Strokes on () are optional.

Sensor mounting example



Theoretical force

Bore size	Rod diameter	Acting	Piston area mm ²	Operating pressure kgf/cm ²						
				1	2	3	4	5	6	7
φ 12	φ 6	Single acting	85	-	0.43	1.28	2.13	2.98	3.83	4.68
		Single acting	113	-	0.57	1.7	2.83	3.96	5.09	6.22
		Double acting Push	85	-	2.26	3.39	4.52	5.65	6.78	7.91
		Double acting Pull	113	-	3.62	5.43	7.24	9.05	10.86	12.67
φ 16	φ 6	Single acting	201	-	1.01	3.02	4.03	7.04	9.05	11.06
		Single acting	173	-	0.87	2.6	4.33	6.06	7.79	9.52
		Double acting Push	201	-	4.02	6.03	8.04	10.05	12.06	14.07
		Double acting Pull	173	-	3.46	5.19	6.92	8.65	10.38	12.11
φ 20	φ 8	Single acting	264	-	1.57	4.71	7.85	10.99	14.13	17.27
		Single acting	314	-	1.32	3.96	6.6	9.24	11.88	14.52
		Double acting Push	264	-	6.28	9.42	12.56	15.7	18.84	21.98
		Double acting Pull	314	-	5.28	7.92	10.56	13.2	15.84	18.48
φ 25	φ 10	Single acting	490	-	2.45	7.35	12.25	17.15	22.05	26.95
		Single acting	412	-	2.06	6.18	10.3	14.42	18.54	22.66
		Double acting Push	490	-	9.8	14.7	19.6	24.5	29.4	34.3
		Double acting Pull	412	-	8.24	12.36	16.48	20.6	24.72	28.84
φ 32	φ 12	Single acting	804	-	4.02	12.06	20.1	28.14	36.18	44.22
		Single acting	690	-	3.45	10.35	17.25	24.15	31.05	37.95
		Double acting Push	804	-	16.08	24.12	32.16	40.2	48.24	56.28
		Double acting Pull	690	-	13.8	20.7	27.6	34.5	41.4	48.3
φ 40	φ 16	Single acting	1256	-	6.28	18.84	31.4	43.96	56.52	69.08
		Single acting	1055	-	5.28	15.83	26.38	36.93	47.48	58.03
		Double acting Push	1256	12.56	25.12	37.68	50.24	62.8	75.36	87.92
		Double acting Pull	1055	10.55	21.1	31.65	42.2	52.75	63.3	73.85
φ 50	φ 20	Double acting Push	1963	19.63	39.26	58.89	78.52	98.15	117.78	137.41
		Double acting Pull	1649	16.49	32.98	49.47	65.96	82.45	98.94	115.43
φ 63	φ 20	Double acting Push	3117	31.17	62.34	93.51	124.68	155.85	187.02	218.19
		Double acting Pull	2803	28.03	56.06	84.09	112.12	140.15	168.18	196.21
φ 80	φ 25	Double acting Push	5026	50.26	100.52	150.78	201.04	251.3	301.56	351.82
		Double acting Pull	4536	45.36	90.72	136.08	181.44	226.8	272.16	317.52
φ 100	φ 32	Double acting Push	7853	78.53	157.06	235.59	314.12	392.65	471.18	549.71
		Double acting Pull	7049	70.49	140.98	211.47	281.96	352.45	422.94	493.43

Formula of cylinder acting force calculation

Formula of cylinder acting force calculation

$$F = P \times A - f$$

F : Cylinder acting force (N)

P : Operating pressure (Mpa)

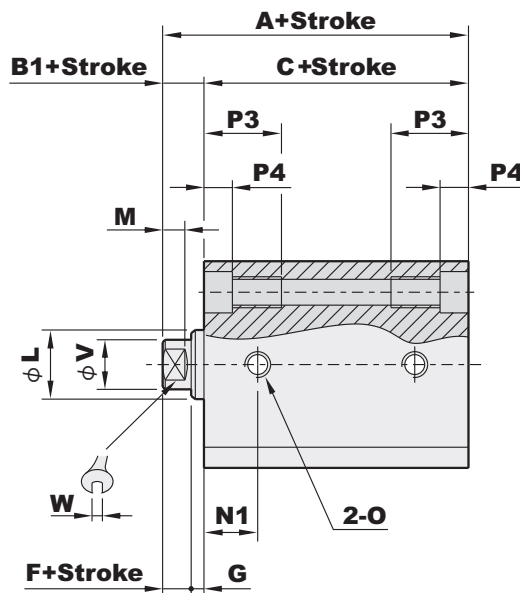
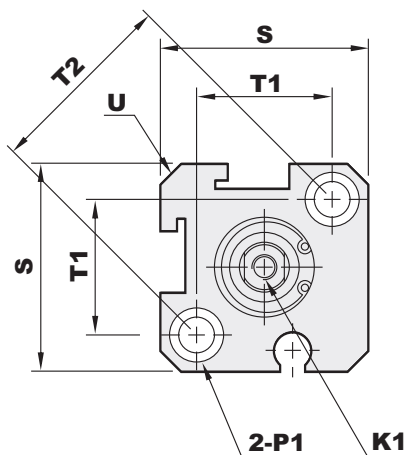
A : Piston area (mm²)

f : Friction (N)

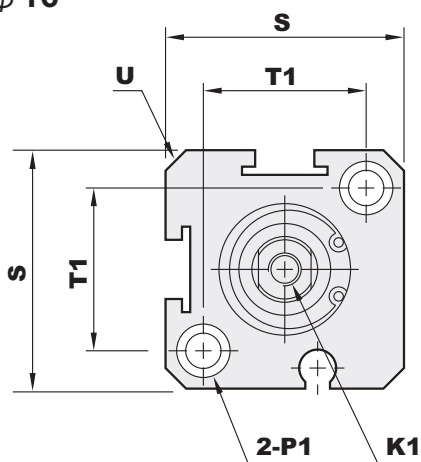
Dimensions

JC Standard double acting ($\phi 12 \sim \phi 25$)

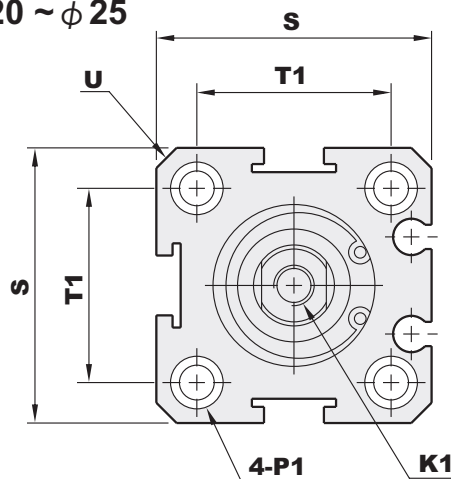
$\phi 12$



$\phi 16$



$\phi 20 \sim \phi 25$



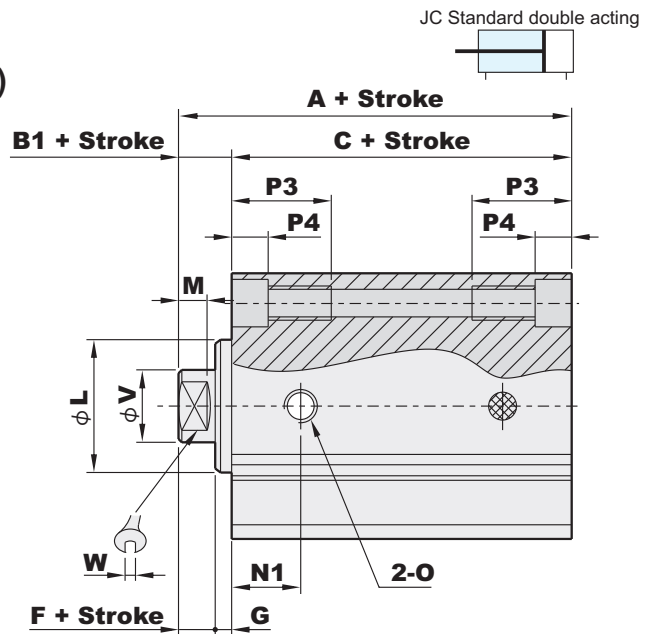
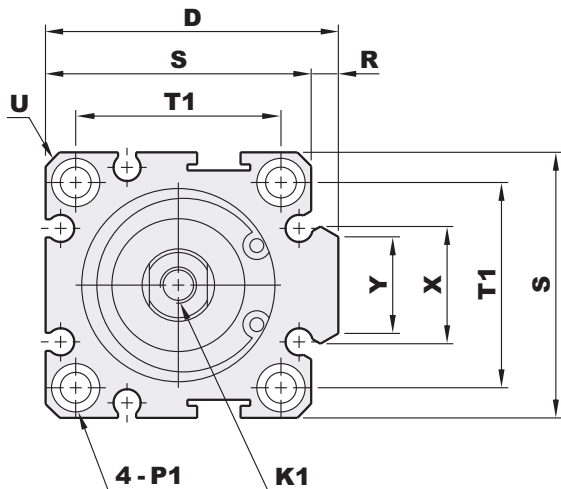
(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 12$	22	5	17	32	5	27	-	4	1	M3xP0.5xL6	$\phi 11$	3	6.5	M5xP0.8
$\phi 16$	24	5.5	18.5	34	5.5	28.5	-	4	1.5	M3xP0.5xL6	$\phi 11$	3	7	M5xP0.8
$\phi 20$	25	5.5	19.5	35	5.5	29.5	-	4	1.5	M4xP0.7xL8	$\phi 15$	3	7.5	M5xP0.8
$\phi 25$	27	6	21	37	6	31	-	4	2	M5xP0.8xL10	$\phi 17$	3	8	M5xP0.8

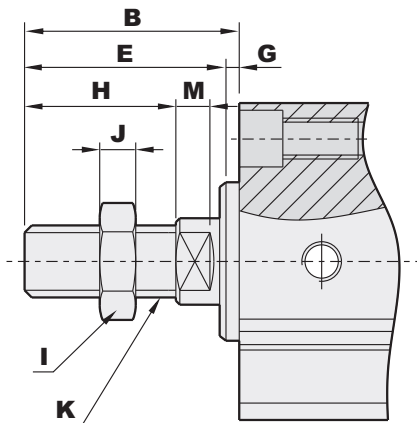
Bore size	P1				P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 12$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$				12	4.5	-	25	16.3	23	R16	$\phi 6$	5	-	-
$\phi 16$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$				12	4.5	-	29	19.8	28	R19	$\phi 6$	5	-	-
$\phi 20$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$				14	4.5	-	34	24	-	R22	$\phi 8$	6	-	-
$\phi 25$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$				15	5.5	-	40	28	-	R25	$\phi 10$	8	-	-

Dimensions

JC Standard double acting ($\phi 32 \sim \phi 100$)



Piston rod with male thread



(Unit : mm)

Bore size	B	E	H	I	J	K
$\phi 12$	17	16	10	8	4	M5xP0.8
$\phi 16$	17.5	16	12	8	4	M5xP0.8
$\phi 20$	20.5	19	15	10	5	M6xP1.0
$\phi 25$	23	21	17	12	5	M8xP1.25
$\phi 32$	25	22	18	14	6	M10xP1.25
$\phi 40$	35	32	28	19	8	M14xP1.5
$\phi 50$	37	33	28	27	11	M18xP1.5
$\phi 63$	37	33	28	27	11	M18xP1.5
$\phi 80$	44	39	33	32	13	M22xP1.5
$\phi 100$	50	45	38	36	13	M26xP1.5

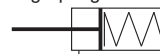
(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 32$	31.5	7	24.5	41.5	7	34.5	48.5	4	3	M6xP1.0xL12	$\phi 22$	3	9	PS 1/8
$\phi 40$	33	7	26	43	7	36	56.5	4	3	M8xP1.25xL12	$\phi 28$	3	10	PS 1/8
$\phi 50$	37	9	28	47	9	38	70	5	4	M10xP1.5xL15	$\phi 38$	3	10	PS 1/4
$\phi 63$	41	9	32	51	9	42	83	5	4	M10xP1.5xL15	$\phi 40$	3	12	PS 1/4
$\phi 80$	57	11	46	67	11	56	104	6	5	M14xP1.5xL20	$\phi 45$	4	12.5	PS 3/8
$\phi 100$	68	12	56	78	12	66	124	7	5	M18xP1.5xL20	$\phi 55$	4	17	PS 3/8

Bore size	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 32$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$	16	5.5	4.5	44	34	-	R29.5	$\phi 12$	10	18.8	16
$\phi 40$	Two sides $\phi 9.5$ Thread M8xP1.25 Cross hole $\phi 6.9$	20	7.5	4.5	52	40	-	R35	$\phi 16$	14	19	16
$\phi 50$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$	25	8.5	8	62	48	-	R41	$\phi 20$	17	26	19
$\phi 63$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$	25	8.5	8	75	60	-	R50	$\phi 20$	17	26	19
$\phi 80$	Two sides $\phi 14$ Thread M12xP1.75 Cross hole $\phi 10.5$	25	10.5	10	94	74	-	R62	$\phi 25$	22	37.5	26
$\phi 100$	Two sides $\phi 17.5$ Thread M14xP2 Cross hole $\phi 12.3$	30	13	10	114	90	-	R75	$\phi 30$	27	37.5	26

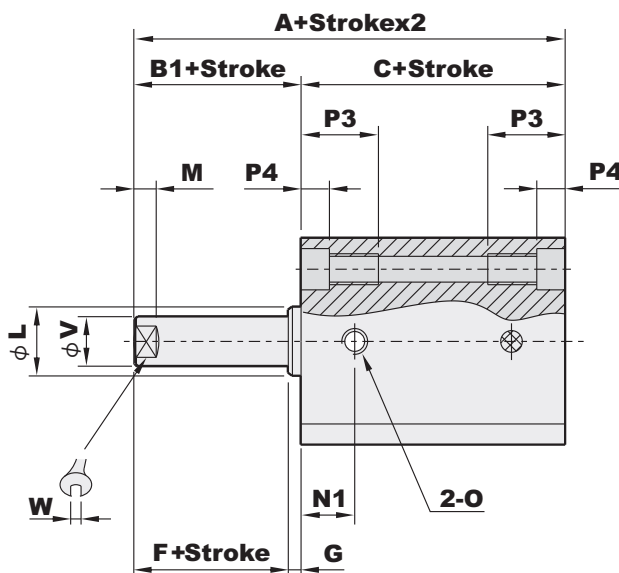
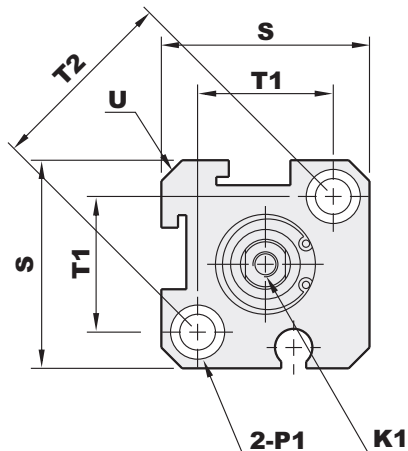


Dimensions

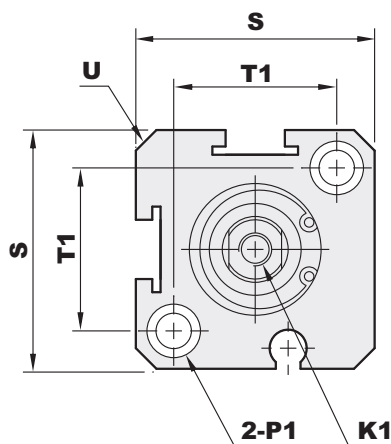
JCO Single acting/Spring extended ($\phi 12 \sim \phi 50$)

JCO Single acting/Spring extended ($\phi 12 \sim \phi 25$)

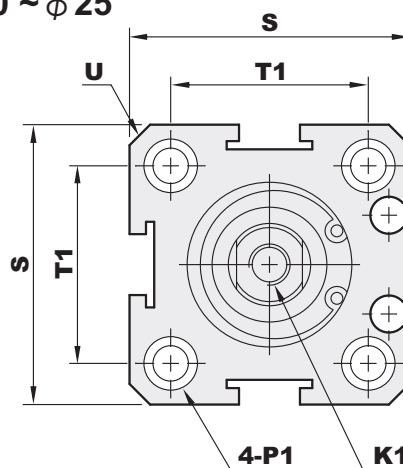
$\phi 12$



$\phi 16$



$\phi 20 \sim \phi 25$



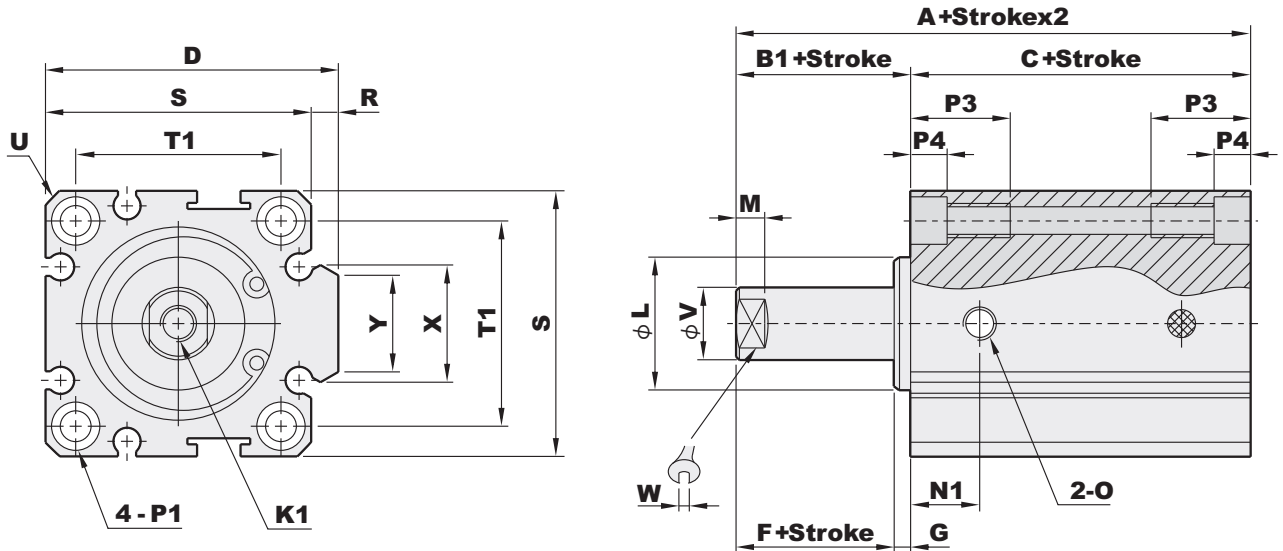
(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 12$	32	5	27	42	5	37	-	4	1	M3xP0.5xL6	$\phi 11$	3	6.5	M5xP0.8
$\phi 16$	34	5.5	28.5	44	5.5	38.5	-	4	1.5	M3xP0.5xL6	$\phi 11$	3	7	M5xP0.8
$\phi 20$	35	5.5	29.5	45	5.5	39.5	-	4	1.5	M4xP0.7xL8	$\phi 15$	3	7.5	M5xP0.8
$\phi 25$	37	6	31	47	6	41	-	4	2	M5xP0.8xL10	$\phi 17$	3	8	M5xP0.8

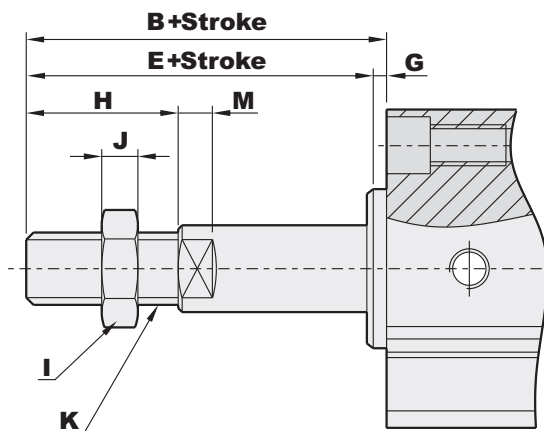
Bore size	P1									P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 12$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$									12	4.5	-	25	16.3	23	R16	$\phi 6$	5	-	-
$\phi 16$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$									12	4.5	-	29	19.8	28	R19	$\phi 6$	5	-	-
$\phi 20$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$									14	4.5	-	34	24	-	R22	$\phi 8$	6	-	-
$\phi 25$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$									15	5.5	-	40	28	-	R25	$\phi 10$	8	-	-

Dimensions

JCO Single acting/Spring extended ($\phi 32 \sim \phi 50$)

JCO Single acting/Spring extended ($\phi 12 \sim \phi 50$)

Piston rod with male thread



(Unit : mm)

Bore size	B	E	H	I	J	K
$\phi 12$	17	16	10	8	4	M5xP0.8
$\phi 16$	17.5	16	12	8	4	M5xP0.8
$\phi 20$	20.5	19	15	10	5	M6xP1.0
$\phi 25$	23	21	17	12	5	M8xP1.25
$\phi 32$	25	22	18	14	6	M10xP1.25
$\phi 40$	35	32	28	19	8	M14xP1.5
$\phi 50$	37	33	28	27	11	M18xP1.5

(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 32$	41.5	7	34.5	51.5	7	44.5	48.5	4	3	M6xP1.0xL12	$\phi 22$	3	9	PS 1/8
$\phi 40$	43	7	36	53	7	46	56.5	4	3	M8xP1.25xL12	$\phi 28$	3	10	PS 1/8
$\phi 50$	47	9	38	57	9	48	70	5	4	M10xP1.5xL15	$\phi 38$	3	10	PS 1/4

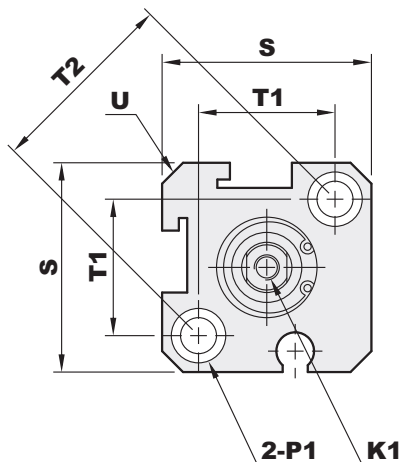
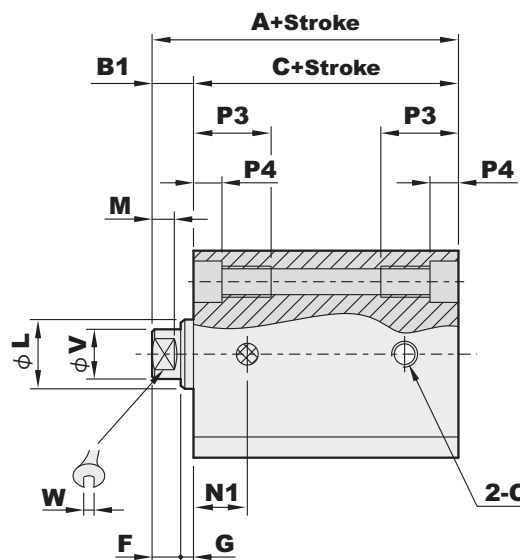
Bore size	P1					P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 32$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$					16	5.5	4.5	44	34	-	R29.5	$\phi 12$	10	19.5	16
$\phi 40$	Two sides $\phi 9.5$ Thread M8xP1.25 Cross hole $\phi 6.9$					20	7.5	4.5	52	40	-	R35	$\phi 16$	14	19.5	16
$\phi 50$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$					25	8.5	8	62	48	-	R41	$\phi 20$	17	26.5	19



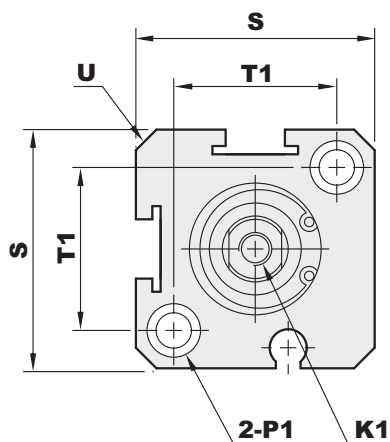
Dimensions

JCI Single acting/Spring return ($\phi 12 \sim \phi 25$)

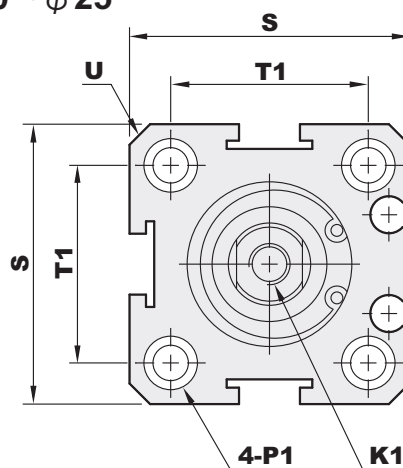
$\phi 12$

JCI Single acting/Spring return ($\phi 12 \sim \phi 50$)

$\phi 16$



$\phi 20 \sim \phi 25$



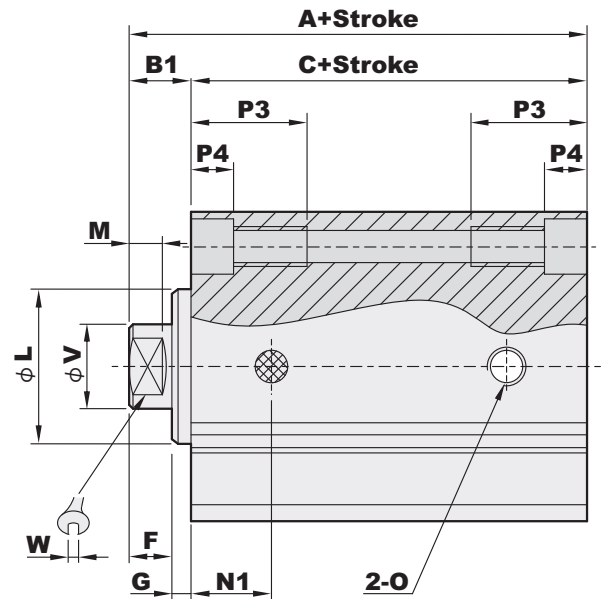
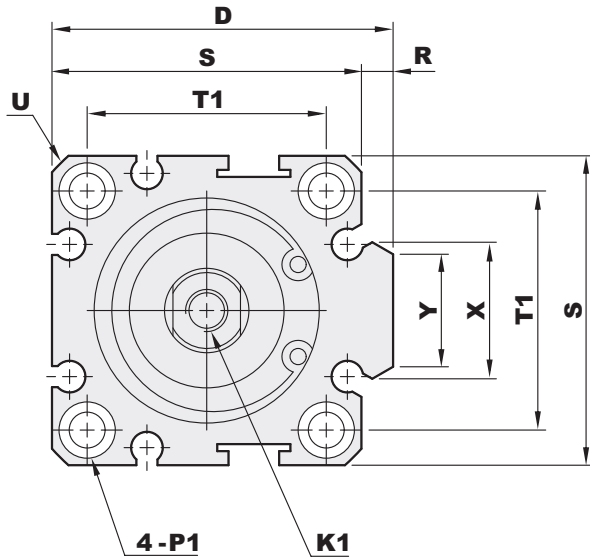
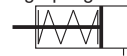
(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 12$	32	5	27	42	5	37	-	4	1	M3xP0.5xL6	$\phi 11$	3	6.5	M5xP0.8
$\phi 16$	34	5.5	28.5	44	5.5	38.5	-	4	1.5	M3xP0.5xL6	$\phi 11$	3	7	M5xP0.8
$\phi 20$	35	5.5	29.5	45	5.5	39.5	-	4	1.5	M4xP0.7xL8	$\phi 15$	3	7.5	M5xP0.8
$\phi 25$	37	6	31	47	6	41	-	4	2	M5xP0.8xL10	$\phi 17$	3	8	M5xP0.8

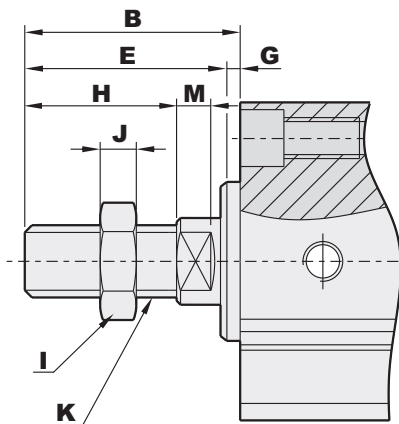
Bore size	P1					P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 12$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$					12	4.5	-	25	16.3	23	R16	$\phi 6$	5	-	-
$\phi 16$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$					12	4.5	-	29	19.8	28	R19	$\phi 6$	5	-	-
$\phi 20$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$					14	4.5	-	34	24	-	R22	$\phi 8$	6	-	-
$\phi 25$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$					15	5.5	-	40	28	-	R25	$\phi 10$	8	-	-

Dimensions

JCI Single acting/Spring return ($\phi 32 \sim \phi 50$)

JCI Single acting/Spring return ($\phi 12 \sim \phi 50$)

Piston rod with male thread



(Unit : mm)

Bore size	B	E	H	I	J	K
$\phi 12$	17	16	10	8	4	M5xP0.8
$\phi 16$	17.5	16	12	8	4	M5xP0.8
$\phi 20$	20.5	19	15	10	5	M6xP1.0
$\phi 25$	23	21	17	12	5	M8xP1.25
$\phi 32$	25	22	18	14	6	M10xP1.25
$\phi 40$	35	32	28	19	8	M14xP1.5
$\phi 50$	37	33	28	27	11	M18xP1.5

(Unit : mm)

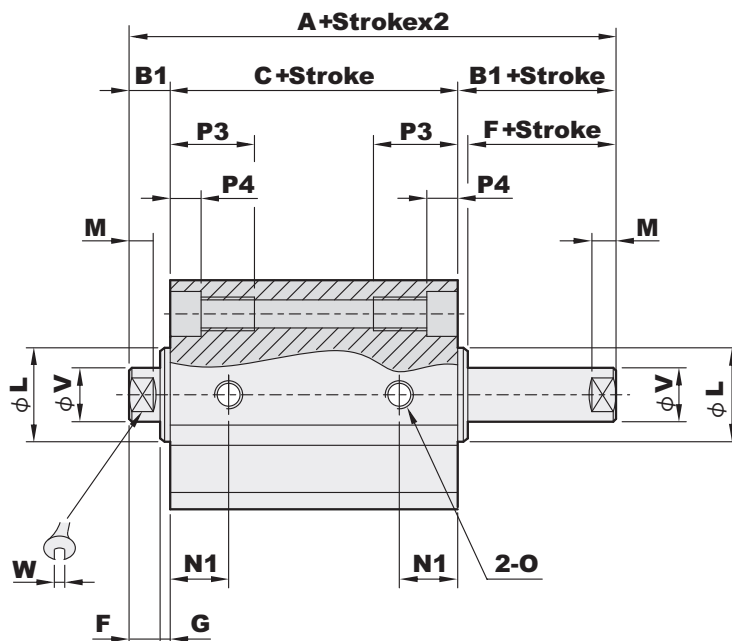
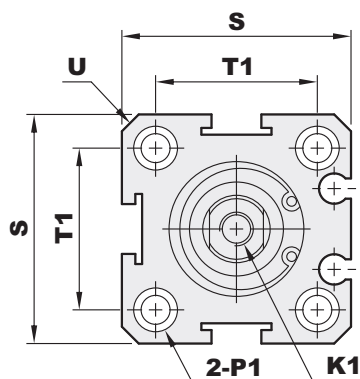
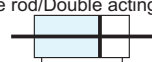
Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 32$	41.5	7	34.5	51.5	7	44.5	48.5	4	3	M6xP1.0xL12	$\phi 22$	3	9	PS 1/8
$\phi 40$	43	7	36	53	7	46	56.5	4	3	M8xP1.25xL12	$\phi 28$	3	10	PS 1/8
$\phi 50$	47	9	38	57	9	48	70	5	4	M10xP1.5xL15	$\phi 38$	3	10	PS 1/4

Bore size	P1					P3	P4	R	S	T1	T2	U	V	W	X	Y
$\phi 32$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$					16	5.5	4.5	44	34	-	R29.5	$\phi 12$	10	19.5	16
$\phi 40$	Two sides $\phi 9.5$ Thread M8xP1.25 Cross hole $\phi 6.9$					20	7.5	4.5	52	40	-	R35	$\phi 16$	14	19.5	16
$\phi 50$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$					25	8.5	8	62	48	-	R41	$\phi 20$	17	26.5	19

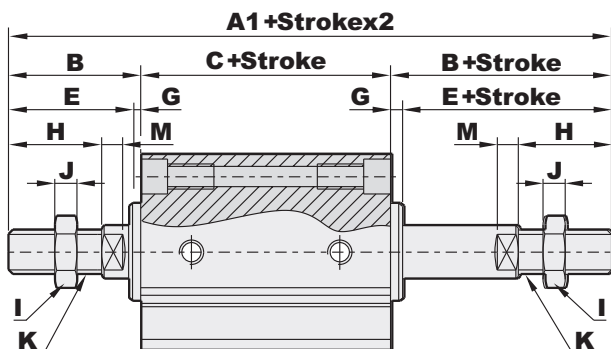


Dimensions

JCDD Double rod/Double acting ($\phi 20 \sim \phi 25$)

JCDD Double rod/Double acting ($\phi 20 \sim \phi 100$)

Piston rod with male thread



(Unit : mm)

Bore size	A1	B	E	H	I	J	K
$\phi 20$	60.5	19	19	15	10	5	M6xP1.0
$\phi 25$	67	21	21	17	12	5	M8xP1.25
$\phi 32$	74.5	22	22	18	14	6	M10xP1.25
$\phi 40$	96	32	32	28	19	8	M14xP1.5
$\phi 50$	102	33	33	28	27	11	M18xP1.5
$\phi 63$	106	33	33	28	27	11	M18xP1.5
$\phi 80$	134	39	39	33	32	13	M22xP1.5
$\phi 100$	156	45	45	38	36	13	M26xP1.5

(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 20$	25	5.5	19.5	35	5.5	29.5	-	4	1.5	M4xP0.7xL8	$\phi 15$	3	7.5	M5xP0.8
$\phi 25$	27	6	21	37	6	31	-	4	2	M5xP0.8xL10	$\phi 17$	3	8	M5xP0.8

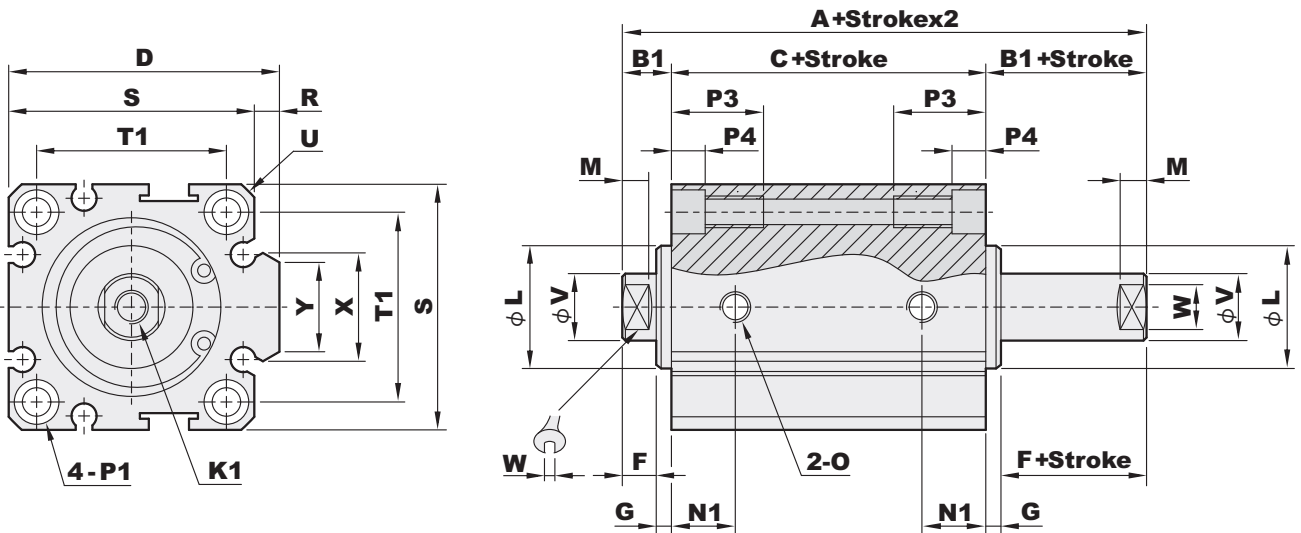
Bore size	P1	P3	P4	R	S	T1	U	V	W	X	Y
$\phi 20$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$	14	4.5	-	34	24	R22	$\phi 8$	6	-	-
$\phi 25$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$	15	5.5	-	40	28	R25	$\phi 10$	8	-	-

Dimensions

JCDD Double rod/Double acting ($\phi 20 \sim \phi 100$)



JCDD Double rod/Double acting ($\phi 32 \sim \phi 100$)



(Unit : mm)

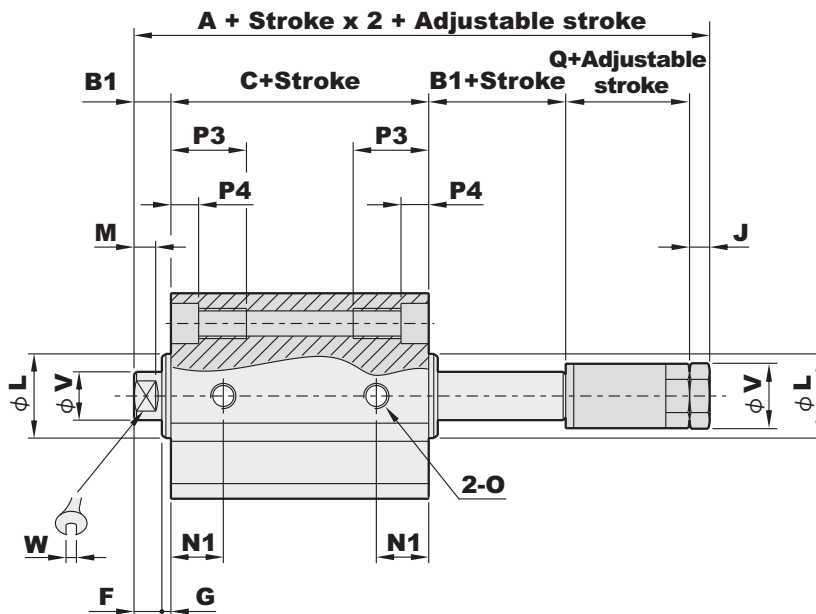
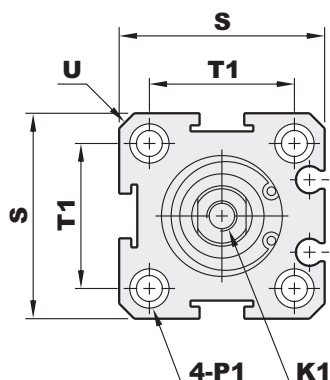
Bore size	W/O magnet			W/I magnet			D	F	G	K1	L	M	N1	O
	A	B1	C	A	B1	C								
$\phi 32$	31.5	7	24.5	41.5	7	34.5	48.5	4	3	M6xP1.0xL12	$\phi 22$	3	9	PS 1/8
$\phi 40$	33	7	26	43	7	36	56.5	4	3	M8xP1.25xL12	$\phi 28$	3	10	PS 1/8
$\phi 50$	37	9	28	47	9	38	70	5	4	M10xP1.5xL15	$\phi 38$	3	10	PS 1/4
$\phi 63$	41	9	32	51	9	42	83	5	4	M10xP1.5xL15	$\phi 40$	3	12	PS 1/4
$\phi 80$	57	11	46	67	11	56	104	6	5	M14xP1.5xL20	$\phi 45$	4	12.5	PS 3/8
$\phi 100$	68	12	56	78	12	66	124	7	5	M18xP1.5xL20	$\phi 55$	4	17	PS 3/8

Bore size	P1	P3	P4	R	S	T1	U	V	W	X	Y
$\phi 32$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$	16	5.5	4.5	44	34	R29.5	$\phi 12$	10	18.8	16
$\phi 40$	Two sides $\phi 9.5$ Thread M8xP1.25 Cross hole $\phi 6.9$	20	7.5	4.5	52	40	R35	$\phi 16$	14	19	16
$\phi 50$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$	25	8.5	8	62	48	R41	$\phi 20$	17	26	19
$\phi 63$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$	25	8.5	8	75	60	R50	$\phi 20$	17	26	19
$\phi 80$	Two sides $\phi 14$ Thread M12xP1.75 Cross hole $\phi 10.5$	25	10.5	10	94	74	R62	$\phi 25$	22	37.5	26
$\phi 100$	Two sides $\phi 17.5$ Thread M14xP2 Cross hole $\phi 12.3$	30	13	10	114	90	R75	$\phi 30$	27	37.5	26

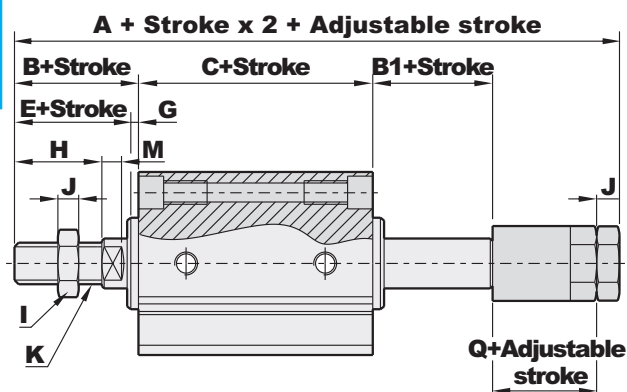
Dimensions

- JCA, JCB Stroke adjustable type
(Adjustable stroke: JCA 0~25mm, JCB 0~50mm)

JCA, JCB Stroke adjustable 25mm, 50mm
($\phi 20 \sim \phi 100$)



- Piston rod with male thread



(Unit : mm)

Bore size	A1	B	E	H	I	J	K
$\phi 20$	70.5	20.5	19	15	10	5	M6xP1.0
$\phi 25$	75	23	21	17	12	5	M8xP1.25
$\phi 32$	82.5	25	22	18	14	6	M10xP1.25
$\phi 40$	96	35	32	28	19	8	M14xP1.5
$\phi 50$	105	37	33	28	27	11	M18xP1.5
$\phi 63$	109	37	33	28	27	11	M18xP1.5
$\phi 80$	134	44	39	33	32	13	M22xP1.5
$\phi 100$	151	50	45	38	36	13	M26xP1.5

(Unit : mm)

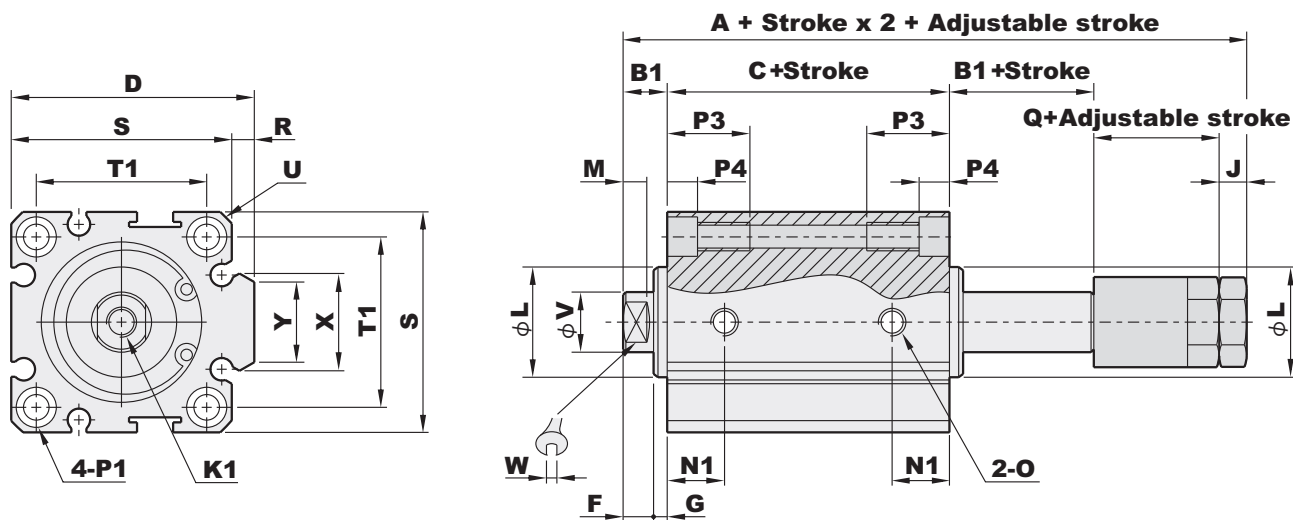
Bore size	W/O magnet			W/l magnet			D	F	G	J	K1	L	M	N1	O
	A	B1	C	A	B1	C									
$\phi 20$	55.5	5.5	19.5	35	5.5	29.5	-	4	1.5	5	M4xP0.7xL8	$\phi 15$	3	7.5	M5xP0.8
$\phi 25$	58	6	21	37	6	31	-	4	2	5	M5xP0.8xL10	$\phi 17$	3	8	M5xP0.8

Bore size	P1					P3	P4	Q	R	S	T1	U	V	W	X	Y
$\phi 20$	Two sides $\phi 6.5$ Thread M5xP0.8 Cross hole $\phi 4.3$					14	4.5	20	-	34	24	R22	$\phi 8$	6	-	-
$\phi 25$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$					15	5.5	20	-	40	28	R25	$\phi 10$	8	-	-

Dimensions

- JCA, JCB Stroke adjustable type
(Adjustable stroke: JCA 0~25mm, JCB 0~50mm)

JCA, JCB Stroke adjustable 25mm, 50mm
($\phi 20 \sim \phi 100$)



(Unit : mm)

Bore size	W/O magnet			W/I magnet			D	F	G	J	K1	L	M	N1	O
	A	B1	C	A	B1	C									
$\phi 32$	64.5	7	24.5	41.5	7	34.5	48.5	4	3	6	M6xP1.0xL12	22	3	9	PS 1/8
$\phi 40$	68	7	26	43	7	36	56.5	4	3	8	M8xP1.25xL12	28	3	10	PS 1/8
$\phi 50$	77	9	28	47	9	38	70	5	4	11	M10xP1.5xL15	38	3	10	PS 1/4
$\phi 63$	81	9	32	51	9	42	83	5	4	11	M10xP1.5xL15	40	3	12	PS 1/4
$\phi 80$	101	11	46	67	11	56	104	6	5	13	M14xP1.5xL20	45	4	12.5	PS 3/8
$\phi 100$	113	12	56	78	12	66	124	7	5	13	M18xP1.5xL20	55	4	17	PS 3/8

Bore size	P1					P3	P4	Q	R	S	T1	U	V	W	X	Y
$\phi 32$	Two sides $\phi 8.0$ Thread M6xP1.0 Cross hole $\phi 5.1$					16	5.5	22	4.5	44	34	R29.5	12	10	18.8	16
$\phi 40$	Two sides $\phi 9.5$ Thread M8xP1.25 Cross hole $\phi 6.9$					20	7.5	22	4.5	52	40	R35	16	14	19	16
$\phi 50$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$					25	8.5	28	8	62	48	R41	20	17	26	19
$\phi 63$	Two sides $\phi 11$ Thread M8xP1.25 Cross hole $\phi 6.9$					25	8.5	28	8	75	60	R50	20	17	26	19
$\phi 80$	Two sides $\phi 14$ Thread M12xP1.75 Cross hole $\phi 10.5$					25	10.5	35	10	94	74	R62	25	22	37.5	26
$\phi 100$	Two sides $\phi 17.5$ Thread M14xP2 Cross hole $\phi 12.3$					30	13	35	10	114	90	R75	30	27	37.5	26