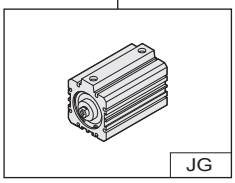
JG series Dust-proof Cap Compact Cylinder

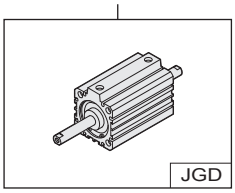
Code of order

Code of order

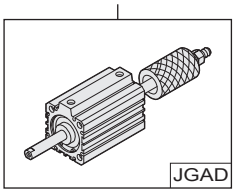
JG	32	×	50	–	B	–	SE	2
Model	Bore size		Stroke		Thread type		Sensor switch	



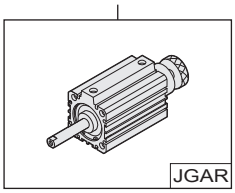
JG:
Standard - Double acting



JGD:
Twin-rod type



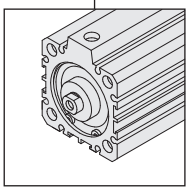
JGAD: Twin-rod & stroke adjustable type



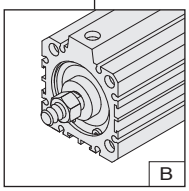
JGAR:
Stroke adjustment

Bore size
20 — Ø 20 mm
25 — Ø 25 mm
32 — Ø 32 mm
40 — Ø 40 mm
50 — Ø 50 mm
63 — Ø 63 mm
80 — Ø 80 mm
100 — Ø100 mm

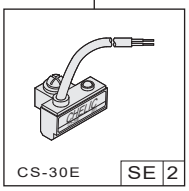
Stroke
Ø 20 — 5 ~ 100 mm
Ø 25 — 5 ~ 100 mm
Ø 32 — 5 ~ 100 mm
Ø 40 — 5 ~ 150 mm
Ø 50 — 5 ~ 150 mm
Ø 63 — 5 ~ 150 mm
Ø 80 — 5 ~ 150 mm
Ø100 — 5 ~ 150 mm



None: Female thread

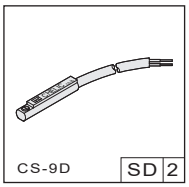


B: Male thread



SE : Sensor switch code (CS-30E)

2 : Number of sensor switch
1 = 1 PCS
2 = 2 PCS



SD : Sensor switch code (CS-9D)

SB : Sensor switch code (CS-9B)

2 : Number of sensor switch
1 = 1 PCS
2 = 2 PCS

⚠ Note:
- Standard type is Female thread
- Male thread must be marked "B"

Selection base

- **Model:** Please select suitable models as per your actual requirement and indicate model number.
- **Forces:** (Please refer to P.6-3.61).Select different sizes for different load.Push and pull forces, vary due to the total area of trust are different.
- **Stroke:** Select different stroke for different piston traveling distance.
- **Length:** Length of (5,10), (15,20), (25,30), (35,40), (45,50), and (45,50) are the same respectively.The total length will be calculated at the multiple of 10, with the interval of 5mm(Please refer to P.6-3.60),stroke above 60mm the length will be of standard. (Ø12, Ø16 is not included).
- **Thread:** Standard thread: Female thread (None); B: Male thread.
- **Magnet:** All JG series with magnet.
- **Sensor switch:** CS-30E and CS-9D(B) are two common models of sensor switch. As for different application, please refer separately.
- **Mounting screw:** As for screw size, please refer P.6-3.88 for screw specification table.

- The JG characteristic: Front dust proof cover with packing device, it is applicable to the dusty working environment.

JG series Dust-proof Cap Compact Cylinder

Product features

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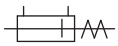
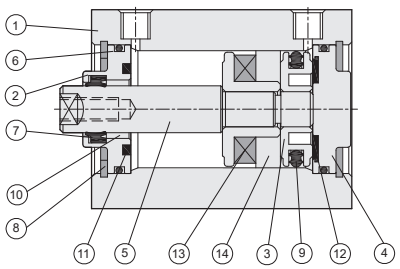
Symbol	Model	Bore size	Bore size and Stroke specification: Standard stroke (with magnet)														
			5	10	15	20	25	30	35	40	45	50	65	75	90	115	140
	JG — □ Double acting	20	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●		
		25	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●		
		32	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●		
		40	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●	●	●
		50	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●	●	●
		63	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●	●	●
		80	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●	●	●
		100	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●	●	●	●	●	●
	JGD — □ Twin-rod type	20	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		25	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		32	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		40	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		50	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		63	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		80	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
		100	(●)	●	(●)	●	(●)	●	(●)	●	(●)	●					
	JGAD — □ Twin-rod & stroke adjustable type	20				●		●				●		●	●		
		25				●		●				●		●	●		
		32				●		●				●		●	●		
		40				●		●				●		●	●		
		50				●		●				●		●	●		
		63				●		●				●		●	●		
		80				●		●				●		●	●		
		100				●		●				●		●	●		
	JGAR — □ Stroke adjustment	20		●		●		●		●		●	●	●	●		
		25		●		●		●		●		●	●	●	●		
		32		●		●		●		●		●	●	●	●		
		40		●		●		●		●		●	●	●	●		
		50		●		●		●		●		●	●	●	●		
		63		●		●		●		●		●	●	●	●		

※ Note: (●) the length of body must be added 5mm and calculate at the multiple of 10; for example JGØ20*(35) has same length with JG JGØ20*40.

Components and material list

NO	Item	Material	NO	Item	Material
01	Body	Aluminum alloy	08	Clip	Spring steel
02	Front cover	Aluminum alloy	09	Piston Packing	NBR
03	Piston	Aluminum alloy	10	Bearing	Teflon
04	Rear cover	Aluminum alloy	11	Rubber washer	NBR
05	Female rod	Carbon steel	12	Rubber washer	NBR
06	O-ring	NBR	13	Magnet	Plastic
07	Shaft packing	NBR	14	Wear ring	Teflon



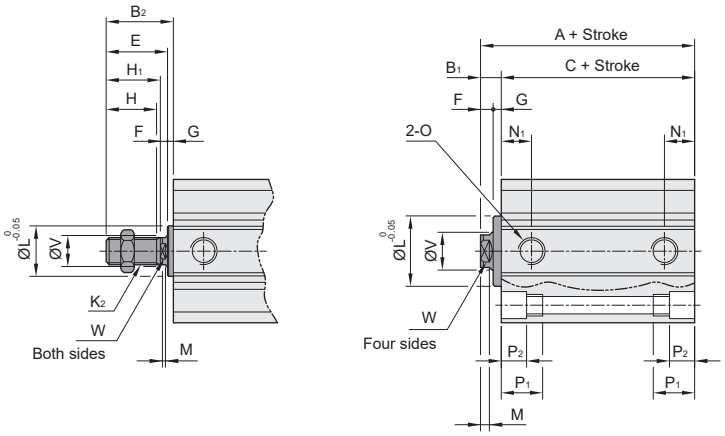
JG series Dust-proof Cap Compact Cylinder

Dimension-Built-in magnet

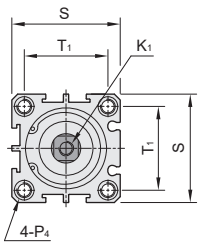
CHELIC

Male thread dimension

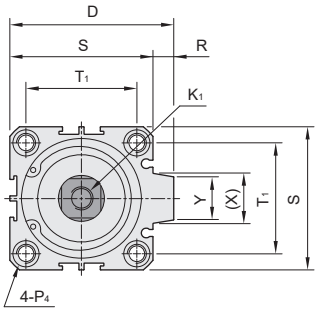
JG □ MST



JG Ø20 ~ Ø25



JG Ø32 ~ Ø100



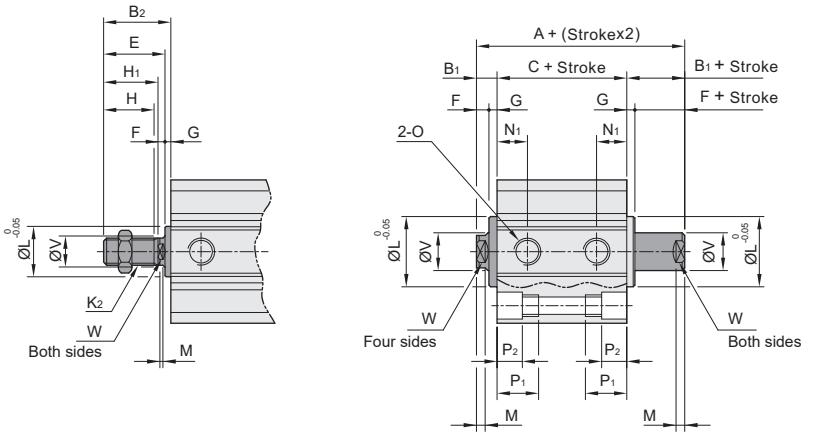
※ Note: All stroke with magnet. Stroke 5, 15, 25, 35, 45 be added 5mm to the body length of cylinder.

Mark / Bore size (mm)	A	C	B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	O
20	35	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1P	13	3	7.5	M5x0.8P
25	37.2	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	M5x0.8P
32	41	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1P x 14 dp	M10 x 1.25P	22	3	9	PT 1/8
40	43.5	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14 x 1.5P	28	3	10	PT 1/8
50	47.6	38.6	9	36	71	32.1	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	38	3	10.85	PT 1/4
63	51	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	40	3	11	PT 1/4
80	62	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14 x 1.5P x 20 dp	M22 x 1.5P	45	4	13	PT 3/8
100	64	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16 x 2.0P x 20 dp	M22 x 1.5P	45	4	15	PT 3/8

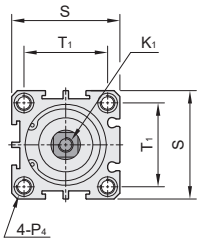
Mark / Bore size (mm)	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)	18	8	6	52	40	16	14	15	13.6
50	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9	62	48	20	17	21.6	19
63	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	Thru-hole Ø10.4, Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp; (Both sides)	22.5	10.5	10	94	74	25	22	27.6	25
100	Thru-hole Ø12.5, Thread M14x2Px15 dp; Hole Ø18.5x13 dp; (Both sides)	28	13	10	114	90	25	22	27.6	25

Male thread dimension

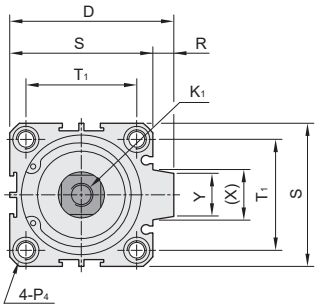
JGD ▭ MST



JGD Ø20 ~ Ø25



JGD Ø32 ~ Ø100



※ Note: All stroke with magnet. Stroke 5, 15, 25, 35, 45 be added 5mm to the body length of cylinder.

Mark / Bore size (mm)	A	C	B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	O
20	40.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1P	13	3	7.5	M5X0.8P
25	43.2	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	M5X0.8P
32	48	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1P x 14 dp	M10 x 1.25P	22	3	9	PT 1/8
40	50.5	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14 x 1.5P	28	3	10	PT 1/8
50	56.6	38.6	9	36	71	32.1	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	38	3	10.85	PT 1/4
63	59.5	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	40	3	11	PT 1/4
80	72.7	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14 x 1.5P x 20 dp	M22 x 1.5P	45	4	13	PT 3/8
100	72.7	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16 x 2.0P x 20 dp	M22 x 1.5P	45	4	15	PT 3/8

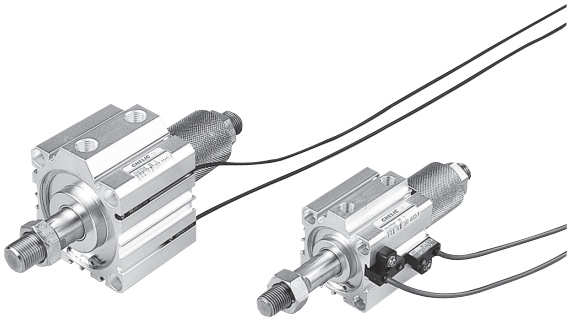
Mark / Bore size (mm)	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	Thru-hole Ø4.3, Thread M5x0.8Px6 dp ; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)	18	8	6	52	40	16	14	15	13.6
50	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9	62	48	20	17	21.6	19
63	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	Thru-hole Ø10.4, Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp; (Both sides)	22.5	10.5	10	94	74	25	22	27.6	25
100	Thru-hole Ø12.5, Thread M14x2Px15 dp; Hole Ø18.5x13 dp; (Both sides)	28	13	10	114	90	25	22	27.6	25

JGAD series Dust-proof Cap Compact Cylinder (Stroke Adjustable-25mm)

Dimension

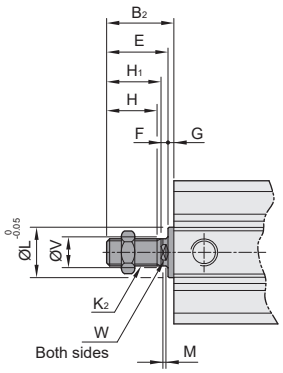
CHELIC

Stroke adjustable 25mm cylinder

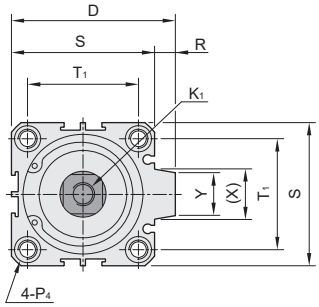


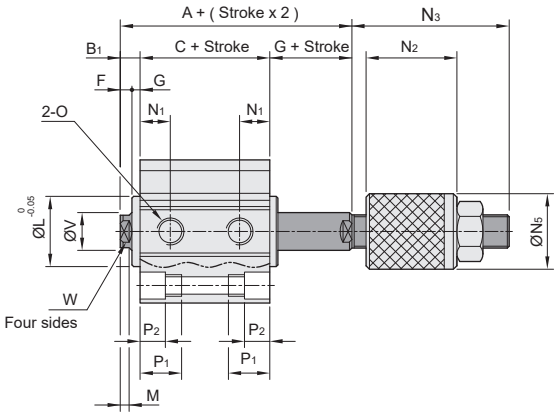
Male thread dimension

JGAD ▭ MST



JGAD Ø20 ~ Ø100





※ Note: Standard stroke 30 (Stroke adjustable 25mm)

Mark / Bore size (mm)	A	C	B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	N2	N3	N5
20	36.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1P	13	3	7.5	31	38.5	16
25	39.1	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	33	42	20
32	44.3	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1.0P x 14 dp	M10 x 1.25P	22	3	9	33	43.5	25
40	46.8	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14 x 1.5P	28	3	10	35	49	32
50	51.5	38.6	9	36	71	32.1	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	38	3	10.85	37	56	36
63	54.9	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10 x1.5P x 15 dp	M18 x 1.5P	40	3	11	37	56	36
80	67	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14 x 1.5P x 20 dp	M22 x 1.5P	45	4	13	37	58.5	44
100	67	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16 x 2.0P x 20 dp	M22 x 1.5P	45	4	15	37	58.5	44

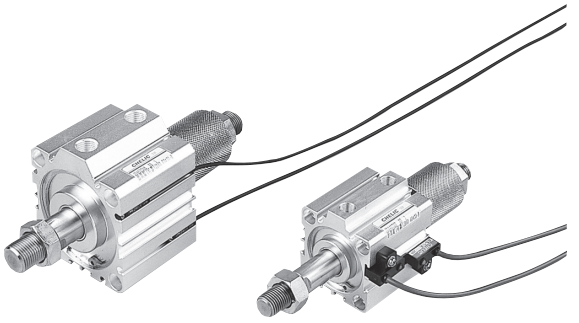
Mark / Bore size (mm)	O	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	M5x0.8P	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	M5x0.8P	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	PT 1/8	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	PT 1/8	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)	18	8	6	52	40	16	14	15	13.6
50	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9	62	48	20	17	21.6	19
63	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	PT 3/8	Thru-hole Ø10.4, Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp; (Both sides)	22.5	10.5	10	94	74	25	22	27.6	25
100	PT 3/8	Thru-hole Ø12.5, Thread M14x2Px15 dp; Hole Ø18.5x13 dp; (Both sides)	28	13	10	114	90	25	22	27.6	25

JGAD series Dust-proof Cap Compact Cylinder (Stroke Adjustable-40mm)

Dimension

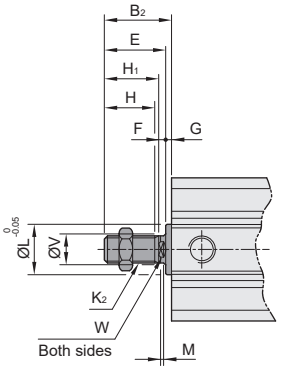
CHELIC

Stroke adjustable 40mm cylinder

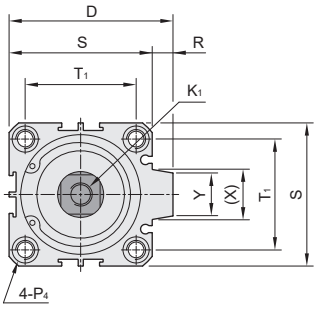


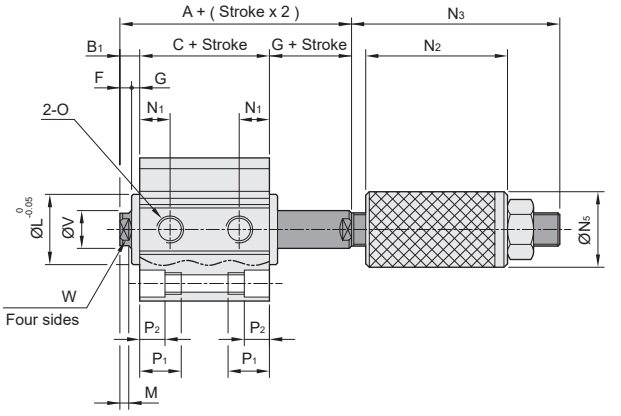
Male thread dimension

JGAD ▭ MST



JGAD Ø20 ~ Ø100





※ Note: Standard stroke 50, 75, 100 (Stroke adjustable 40mm)

Mark / Bore size (mm)	A	C	B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	N2	N3	N5
20	36.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6x1P	13	3	7.5	56	63.5	16
25	39.1	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8x1.25P	17	3	8	58	67	20
32	44.3	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1P x 14 dp	M10x1.25P	22	3	9	58	68.5	25
40	46.8	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14x1.5P	28	3	10	60	74	32
50	51.5	38.6	9	36	71	32.1	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18x1.5P	38	3	10.85	62	81	36
63	54.9	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10 x 1.5P x 15 dp	M18x1.5P	40	3	11	62	81	36
80	67	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14 x 1.5P x 20 dp	M22x1.5P	45	4	13	62	83.5	44
100	67	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16 x 2.0P x 20 dp	M22x1.5P	45	4	15	62	83.5	44

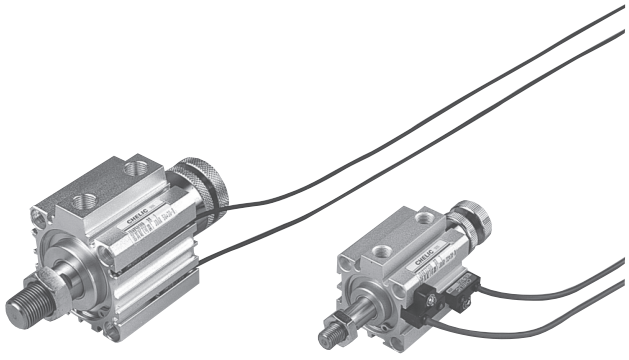
Mark / Bore size (mm)	O	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	M5X0.8P	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	M5X0.8P	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	PT 1/8	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	PT 1/8	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)	18	8	6	52	40	16	14	15	13.6
50	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9	62	48	20	17	21.6	19
63	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	PT 3/8	Thru-hole Ø10.4, Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp; (Both sides)	22.5	10.5	10	94	74	25	22	27.6	25
100	PT 3/8	Thru-hole Ø12.5, Thread M14x2Px15 dp; Hole Ø18.5x13 dp; (Both sides)	28	13	10	114	90	25	22	27.6	25

JGAR series Dust-proof Cap Compact Cylinder (Stroke Adjustable-10mm)

Dimension

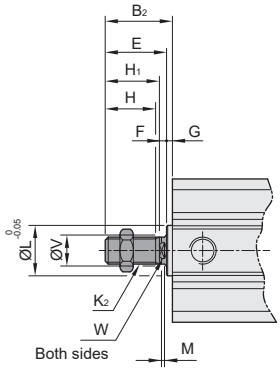
CHELIC

Return adjustable 10mm cylinder

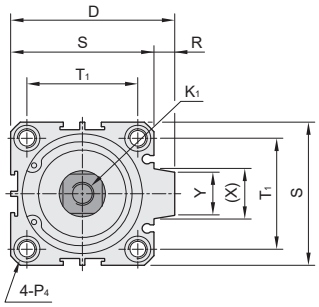


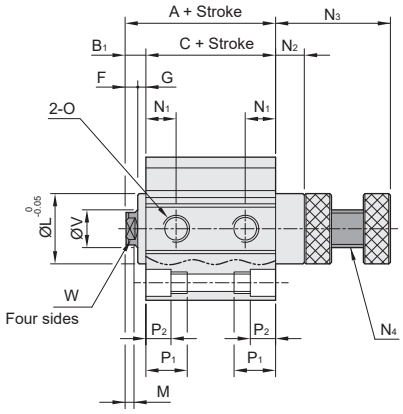
Male thread dimension

JGAR □ x □ ST



JGAR Ø20 ~ Ø63



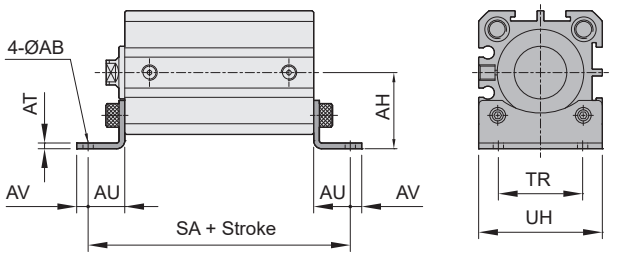


※ Note: All stroke with magnet. stroke 5, 15, 25, 35, 45, 55 be added 5mm to the body length of cylinder.

Bore size (mm) \ Mark	A	C	B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	N2	N3	N4
20	35	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1P	13	3	7.5	15.3	38.3	M8 x 1.25P
25	37.2	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	14.9	37.9	M8 x 1.25P
32	41	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1P x 14 dp	M10 x 1.25P	22	3	9	17.1	43.1	M10 x 1.5P
40	43.5	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14 x 1.5P	28	3	10	16.3	42.3	M10 x 1.5P
50	47.6	38.6	9	36	71	32.1	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	38	3	10.85	20.7	50.7	M16 x 1.5P
63	51	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	40	3	11	19.8	49.8	M16 x 1.5P

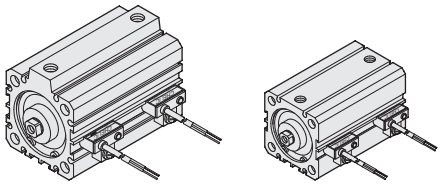
Bore size (mm) \ Mark	O	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	M5x0.8P	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	M5x0.8P	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	PT 1/8	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	PT 1/8	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)	18	8	6	52	40	16	14	15	13.6
50	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9	62	48	20	17	21.6	19
63	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)	18.5	8.5	9.5	75	60	20	17	23.5	20.5

Foot mounting type - LB



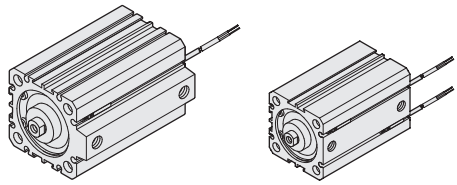
Mark / Bore size	AB	AT	AV	AU	AH	TR	UH	SA
Ø06	3.5	2	4	6	12	23	30	37
Ø10	3.5	2	4	6	15	27	35	47
Ø12	4.5	2	4.5	8	17	34	44	36.5
Ø16	4.5	2	5	8	19	38	48	37.5
Ø20	6.6	3.2	5.8	9.2	24	44	60	37.9
Ø25	6.6	3.2	5.8	10.7	26	51	64	42.6
Ø32	6.6	3.2	5.8	11.2	30	56	68	46.4
Ø40	6.5	3.2	7	11.2	33	63	78	48.9
Ø50	9	3.2	8	14.7	39	77	96	58
Ø63	9	4.8	10	32	51.75	50	75	96.5

Sensor switch installation CS-30E



Suitable for Ø12 ~ Ø100

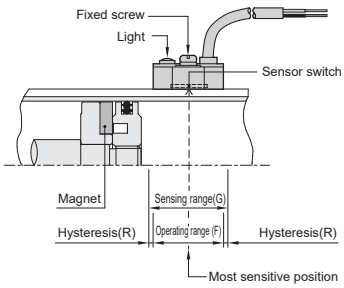
Sensor switch installation CS-9D



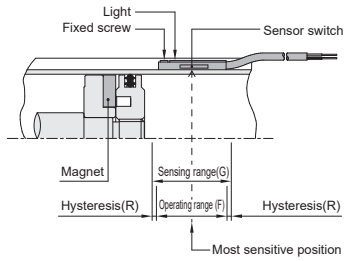
Suitable for Ø6 ~ Ø125

Sensor switch setting and operating range

CS-30E



CS-9D(B)



Sensing range

Sensor switch is fixed on the cylinder body. The magnetic piston head will activate the sensor switch when it enters the operating range. It has 0.5mm differential.

Operating range

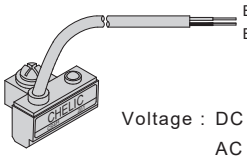
When piston head moves the switch setting and adjustment will be based on the responding range generated by the magnetic field and the switch. (Please refer to the right table)

Unit: mm

Model	CS-30E		CS-9D(B)	
Bore size	Operating range(F)	Hysteresis(R)	Operating range(F)	Hysteresis(R)
Ø 6	–	–	5	1
Ø 10	–	–	8	1
Ø 12	9	1	8	1
Ø 16	11	1	10	1
Ø 20	9	1	8	1
Ø 25	11	1	9	1
Ø 32	8.5	1	7	1
Ø 40	11	1	8	1
Ø 50	11	1.2	9	1.2
Ø 63	13	1.2	10.5	1.2
Ø 80	14	1.3	13.5	1.4
Ø 100	15	1.3	13.5	1.5
Ø 125	–	–	12	2

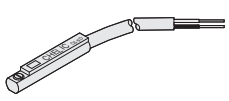
Sensor switch introduction

CS-30E



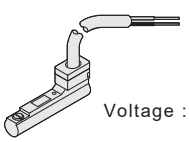
Voltage : DC 5~120V
AC 5~120V

CS-9D



Voltage : DC 5~120V
AC 5~120V

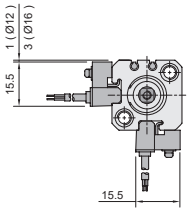
CS-9B

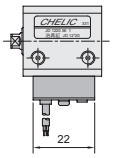


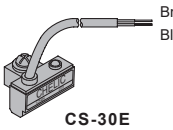
Voltage : DC 5~120V
AC 5~120V

Sensor switch position dimension

Ø 12, Ø 16



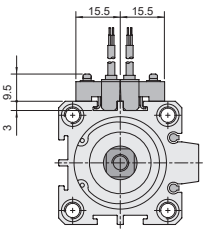


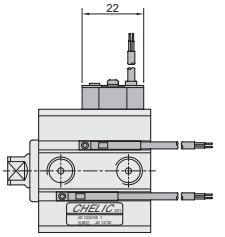


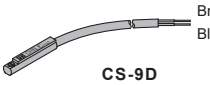
CS-30E

Voltage: DC 5 ~ 120 V
AC 5 ~ 120 V

Ø 20, Ø 63



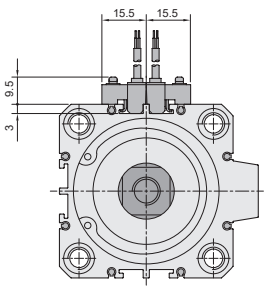


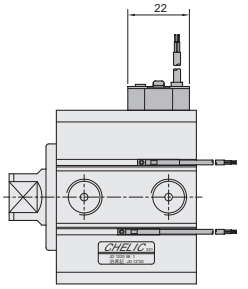


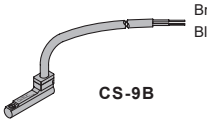
CS-9D

Voltage: DC 5 ~ 120 V
AC 5 ~ 120 V

Ø 80, Ø100





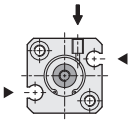


CS-9B

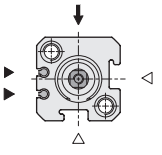
Voltage: DC 5 ~ 120 V
AC 5 ~ 120 V

Sensor switch mounting

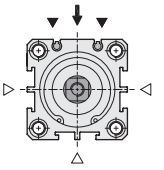
Ø 6, Ø 10



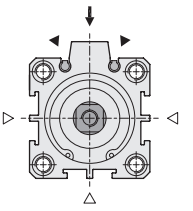
Ø 12, Ø 16



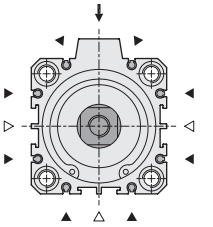
Ø 20, Ø 25



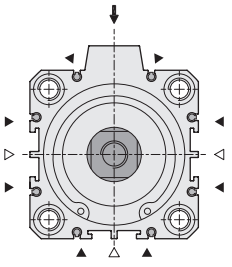
Ø 32, Ø 40



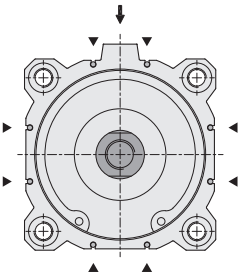
Ø 50, Ø 63



Ø 80, Ø 100



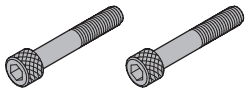
Ø 125

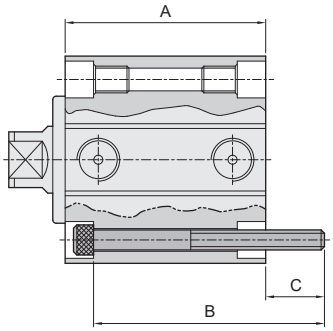


Legend :

▲ : Groove for installing CS-9D(B)
△ : Groove for installing CS-30E
↓ : Direction of piping port

The body length and Screw specification (Reference)





Model	A	B	C	Screw size
JD 6 X 5	30.0	35	7.5	M2.5 X 35L
JD 6 X 10	35.0	40	7.5	M2.5 X 40L
JD 6 X 15	40.0	45	7.5	M2.5 X 45L
JD 6 X 20	45.0	50	7.5	M2.5 X 50L
JD 6 X 25	50.0	55	7.5	M2.5 X 55L
JD 6 X 30	55.0	60	7.5	M2.5 X 60L
JD10 X 5	40.0	45	7.5	M2.5 X 45L
JD10 X 10	45.0	50	7.5	M2.5 X 50L
JD10 X 15	50.0	55	7.5	M2.5 X 55L
JD10 X 20	55.0	60	7.5	M2.5 X 60L
JD10 X 25	60.0	65	7.5	M2.5 X 65L
JD10 X 30	65.0	70	7.5	M2.5 X 70L
JD12 X 5	25.5	25	4	M3 X 25L
JD12 X 10	30.5	30	4	M3 X 30L
JD12 X 15	35.5	35	4	M3 X 35L
JD12 X 20	40.5	40	4	M3 X 40L
JD12 X 25	45.5	45	4	M3 X 45L
JD12 X 30	50.5	50	4	M3 X 50L
JD12 X 40 (35)	60.5	60	4	M3 X 60L
JD12 X 50 (45)	70.5	70	4	M3 X 70L
JD16 X 5	26.5	30	8	M3 X 30L
JD16 X 10	31.5	35	8	M3 X 35L
JD16 X 15	36.5	40	8	M3 X 40L
JD16 X 20	41.5	45	8	M3 X 45L
JD16 X 25	46.5	50	8	M3 X 50L
JD16 X 30	51.5	55	8	M3 X 55L
JD16 X 40 (35)	61.5	65	8	M3 X 65L
JD16 X 50 (45)	71.5	75	8	M3 X 75L
JD20 X 10 (5)	29.5	35	10.5	M4 X 35L
JD20 X 20 (15)	39.5	45	10.5	M4 X 45L
JD20 X 30 (25)	49.5	55	10.5	M4 X 55L
JD20 X 40 (35)	59.5	65	10.5	M4 X 65L
JD20 X 50 (45)	69.5	75	10.5	M4 X 75L
JD25 X 10 (5)	31.2	35	9.8	M4 X 35L
JD25 X 20 (15)	41.2	45	9.8	M4 X 45L
JD25 X 30 (25)	51.2	55	9.8	M4 X 55L
JD25 X 40 (35)	61.2	65	9.8	M4 X 65L
JD25 X 50 (45)	71.2	75	9.8	M4 X 75L
JD32 X 10 (5)	34.0	40	12	M4 X 40L
JD32 X 20 (15)	44.0	50	12	M4 X 50L
JD32 X 30 (25)	54.0	60	12	M4 X 60L
JD32 X 40 (35)	64.0	70	12	M4 X 70L
JD32 X 50 (45)	74.0	80	12	M4 X 80L

Note: 1. C value is for reference only. Design value shall be subject to the stress and strain of the locking material.
2. Mounting screw, please refer JIS B1176 Hexagon socket screw (Alloy steel).

Model	A	B	C	Screw size
JD40 X 10 (5)	36.5	40	11.5	M5 X 40L
JD40 X 20 (15)	46.5	50	11.5	M5 X 50L
JD40 X 30 (25)	56.5	60	11.5	M5 X 60L
JD40 X 40 (35)	66.5	70	11.5	M5 X 70L
JD40 X 50 (45)	76.5	80	11.5	M5 X 80L
JD40 X 60 (55)	86.5	90	11.5	M5 X 90L
JD40 X 75	101.5	110	16.5	M5 X 110L
JD50 X 10 (5)	38.6	40	9.9	M6 X 40L
JD50 X 20 (15)	48.6	50	9.9	M6 X 50L
JD50 X 30 (25)	58.6	60	9.9	M6 X 60L
JD50 X 40 (35)	68.6	70	9.9	M6 X 70L
JD50 X 50 (45)	78.6	80	9.9	M6 X 80L
JD50 X 60 (55)	88.6	90	9.9	M6 X 90L
JD50 X 75	103.6	110	14.9	M6 X 110L
JD63 X 10 (5)	42.5	50	16	M6 X 50L
JD63 X 20 (15)	52.5	60	16	M6 X 60L
JD63 X 30 (25)	62.5	70	16	M6 X 70L
JD63 X 40 (35)	72.5	80	16	M6 X 80L
JD63 X 50 (45)	82.5	90	16	M6 X 90L
JD63 X 60 (55)	92.5	100	16	M6 X 100L
JD63 X 75	107.5	120	21	M6 X 120L
JD80 X 10 (5)	51.3	60	19.2	M8 X 60L
JD80 X 20 (15)	61.3	70	19.2	M8 X 70L
JD80 X 30 (25)	71.3	80	19.2	M8 X 80L
JD80 X 40 (35)	81.3	90	19.2	M8 X 90L
JD80 X 50 (45)	91.3	100	19.2	M8 X 100L
JD80 X 60 (55)	101.3	110	19.2	M8 X 110L
JD80 X 75	116.3	130	24.2	M8 X 130L
JD100 X 10 (5)	55.3	65	22.7	M10 X 65L
JD100 X 20 (15)	65.3	75	22.7	M10 X 75L
JD100 X 30 (25)	75.3	85	22.7	M10 X 85L
JD100 X 40 (35)	85.3	95	22.7	M10 X 95L
JD100 X 50 (45)	95.3	110	27.7	M10 X 110L
JD100 X 60 (55)	105.3	120	27.7	M10 X 120L
JD100 X 75	120.3	130	22.7	M10 X 130L
JD125 X 10 (5)	93.0	100	20.0	M12 X 100L
JD125 X 20 (15)	103.0	110	20.0	M12 X 110L
JD125 X 30 (25)	113.0	120	20.0	M12 X 120L
JD125 X 40 (35)	123.0	130	20.0	M12 X 130L
JD125 X 50 (45)	133.0	140	20.0	M12 X 140L
JD125 X 75	158.0	170	25.0	M12 X 170L
JD125 X 100	183.0	190	20.0	M12 X 190L