

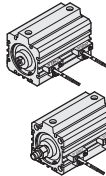
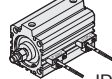
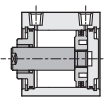
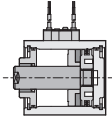

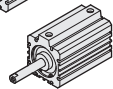

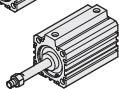

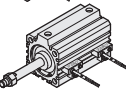
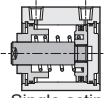
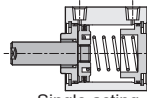
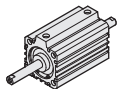
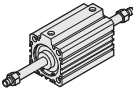
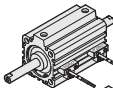
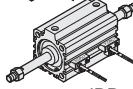
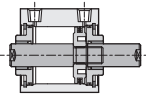
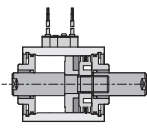
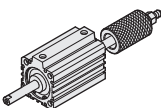
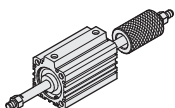
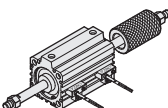
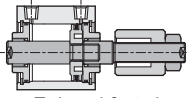
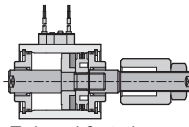
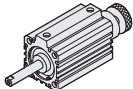
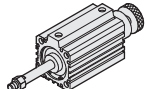
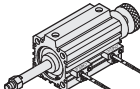
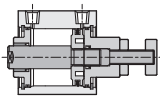
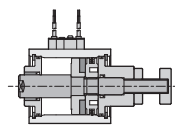


JD series Compact Cylinder

Product features

CHELIC

Female thread	Male thread – B	With magnet-S Sensor switch	Internal structure	
 JD - ■	 JD - ■ - B	 JD - ■ - S  JD - ■ - B - S	 Double acting	 Double acting (with magnet)
 JSI - ■  JSO - ■	 JSI - ■ - B  JSO - ■ - B	 JSI - ■ - S  JSO - ■ - B - S	 Single acting (Normal In)	 Single acting (Normal Out)
 JDD - ■	 JDD - ■ - B	 JDD - ■ - S  JDD - ■ - B - S	 Twin-rod type	 Twin-rod type (with magnet)
 JDAD - ■	 JDAD - ■ - B	 JDAD - ■ - B - S	 Twin-rod & stroke adjustable type	 Twin-rod & stroke adjustable type (With magnet)
 JDAR - ■	 JDAR - ■ - B	 JDAR - ■ - B - S	 Stroke adjustment	 Stroke adjustment (With magnet)







Specification

Item	Bore Size (mm)	6	10	12	16	20	25	32	40	50	63	80	100	125
Action		Double acting, single acting (Twin-rod cylinder)												
Fluid		Air												
Pressure range	Kgf/cm ² (kPa)	2 ~ 7 (200~700)			1.5 (150~700)			1 ~ 7 (100~700)						
Max. service pressure	Kgf/cm ² (kPa)	9 (900)												
Ambient and fluid temperature	°C	0 ~ 60												
Piston speed	Double acting	50 ~ 500									50~350	50 ~ 250		
	mm/s	Single acting	—	100 ~ 500						—				
Lubrication		Lubrication free type												
Port size		M3 x 0.5		M5 x 0.8			PT 1/8		PT 1/4		PT 3/8			
Sensing device		Option (S: With magnet)												

JD series Compact Cylinder

Product features

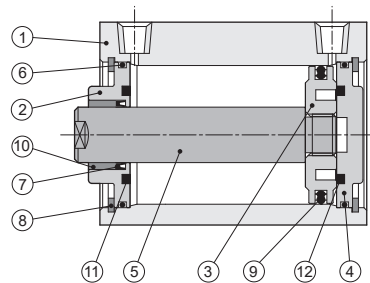
CHELIC

Symbol	Bore size and Stroke																															
	Model	Bore size	Standard															With magnet														
			5	10	15	20	25	30	35	40	45	50	55	60	75	85	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90
 JD — □ Double acting	6	10	15	20	25	30	35	40	45	50	55	60	75	85	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140
		12	16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140				
		16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140					
		20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140						
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
		40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140									
		50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140										
		63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140											
		80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140												
		100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140													
		125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140														
 JSI — □ Single acting (Normal in)	12	16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140					
		16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140					
		20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140						
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
		40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140									
 JSO — □ Single acting (Normal out)	12	16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140					
		16	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140					
		20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140						
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
		40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140									
 JDD — □ Twin-rod type	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
		40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140									
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		63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140											
		80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140												
		100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140													
 JDAD — □ Twin-rod & stroke adjustable type	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
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		50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140										
		63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140											
		80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140												
 JDAR — □ Stroke adjustment	20	25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		25	32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140							
		32	40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140								
		40	50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140									
		50	63	80	100	125	150	5	10	15	20	25	30	35	40	45	50	65	75	90	115	140										

※ Note: (e) Additional 5 mm to be added into the body length of cylinder. For example, JD 20*(35).
The body length of cylinder is same as JD 20*40.

Components and material list

No.	Item	Material	No.	Item	Material
01	Body	Aluminum alloy	07	Shaft packing	NBR
02	Front cover	Copper Alloy	08	Clip	Steel spring
03	Piston	Copper Alloy	09	Piston Packing	NBR
04	Rear cover	Copper Alloy	10	Bearing	Teflon
05	Piston rod	Carbon steel	11	Rubber washer	NBR
06	O-ring	NBR	12	Rubber washer	NBR

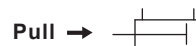
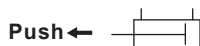


JD series Compact Cylinder

Product features

CHELIC

Double acting cylinder



Bore size (mm)	Rod diameter (mm)	Action	Piston area (cm ²)	Air pressure (kgf/cm ²)						
				1	2	3	4	5	6	7
6	3	Push	0.28	—	0.56	0.84	1.12	1.4	1.68	1.96
		Pull	0.21	—	0.42	0.63	0.84	1.05	1.26	1.47
10	4	Push	0.78	—	1.56	2.34	3.12	3.9	4.68	5.46
		Pull	0.65	—	1.3	1.95	2.6	3.25	3.9	4.55
12	6	Push	1.13	—	2.26	3.39	4.52	5.65	6.78	7.91
		Pull	0.84	—	1.69	2.54	3.39	4.24	5.08	5.93
16	6	Push	2.01	—	4.02	6.03	8.04	10.05	12.06	14.07
		Pull	1.73	—	3.45	5.18	6.91	8.63	10.36	12.09
20	8	Push	3.14	—	6	9	12	15	18	21
		Pull	2.64	—	5	7	10	13	15	18
25	10	Push	4.90	—	9	14	19	24	29	34
		Pull	4.12	—	8	12	16	20	24	28
32	12	Push	8.04	—	16	24	32	40	48	56
		Pull	6.90	—	13	20	27	34	41	48
40	16	Push	12.56	12	25	37	50	62	75	87
		Pull	10.55	10	21	31	42	52	63	73
50	20	Push	19.63	19	39	58	78	98	117	137
		Pull	16.49	16	32	49	65	82	98	115
63	20	Push	31.17	31	62	93	124	155	187	218
		Pull	28.03	28	56	84	112	140	168	196
80	25	Push	50.26	50	100	150	201	251	301	351
		Pull	45.36	45	90	136	181	226	272	317
100	25	Push	78.50	78	157	235	314	392	471	549
		Pull	70.05	70	140	211	281	352	422	493
125	25	Push	122.71	123	245	368	419	614	736	859
		Pull	112.54	113	225	338	450	563	675	788

※ Note: Above are theoretical data; please take into consideration the frictional resistance and the mechanical efficiency of value should be added calculation before using.

Single acting cylinder

● JSI Series



● JSO Series



Bore size	Rod diameter (mm)	Action	Piston area (cm ²)	Air pressure (kgf/cm ²)						
				1	2	3	4	5	6	7
Normal in (JSI series)	∅ 12	∅ 6	1.130	—	1.32	2.45	3.56	4.71	5.84	6.97
	∅ 16	∅ 6	2.01	—	2.85	4.86	6.87	8.88	10.69	12.90
	∅ 20	∅ 8	3.14	—	5	8	11	14	17	20
	∅ 25	∅ 10	4.90	—	7	12	17	22	27	32
	∅ 32	∅ 12	8.04	—	11	19	27	35	43	51
	∅ 40	∅ 16	12.56	—	19	32	44	57	69	82
	∅ 50	∅ 20	19.63	—	34	54	74	93	113	133
Normal out (JSO series)	∅ 12	∅ 6	0.848	—	0.7	1.6	2.4	3.3	4.1	4.9
	∅ 16	∅ 6	1.73	—	2.2	4.0	5.7	7.4	9.1	10.9
	∅ 20	∅ 8	2.64	—	4	6	9	11	14	17
	∅ 25	∅ 10	4.12	—	6	10	14	18	22	26
	∅ 32	∅ 12	6.90	—	9	16	22	29	36	43
	∅ 40	∅ 16	10.55	—	15	26	36	47	57	68
∅ 50	∅ 20	16.49	—	28	45	61	78	94	111	

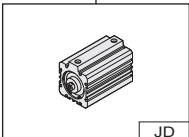
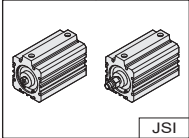
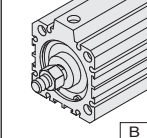
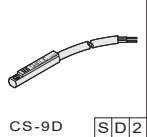
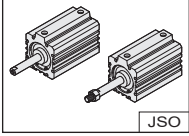
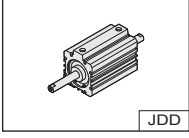
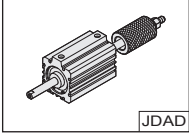
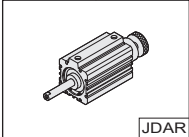
※ Note: Above are theoretical data; please take into consideration the frictional resistance and the mechanical efficiency of value should be added calculation before using.

JD series Compact Cylinder

Code of order

CHELIC

Code of order

JD	32	×	50	-	B		LB	-	S	E	2
Model	Bore size		Stroke		Thread type		Mounting type		Sensor switch		
 JD	6 - Ø 6 mm 10 - Ø 10 mm 12 - Ø 12 mm 16 - Ø 16 mm 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 - Ø 100 mm 125 - Ø 125 mm		Ø 6 - 5~30 mm Ø 10 - 5~30 mm Ø 12 - 5~50 mm Ø 16 - 5~50 mm 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 Ø 100 - 5~150 mm Ø 125 - 5~100 mm		None : Female thread Note : ● Ø6, Ø10 without female thread type		Foot mounting LB P.6-1.89		None : Without magnet S : With magnet E : Sensor switch (CS-30E) 2 : Number of Sensor switch 1 = 1 PCS 2 = 2 PCS		
 JSI					 B : Male thread				 CS-9D S D 2 S : With magnet D : Sensor switch (CS-9D) B : Sensor switch (CS-9B) 2 : Number of Sensor switch 1 = 1 PCS 2 = 2 PCS		
 JSO					Note : ● Standard : Female thread ● Male thread must be marked " B "				Note : ● Magnet must be marked " S "		
 JDD											
 JDAD											
 JDAR											
JDAR: Stroke adjustment Ø 20 ~ Ø 63											

How to order

- **Model** : Please select suitable models as per your actual requirement and indicate model number.
- **Force** : (Please refer to page 6-3.61). Select different size for different load. Push and pull forces, vary due to the total area of trust are different.
- **Stroke** : Select different stroke for different piston travelling distance.
- **Length** : Length of (5, 10), (15, 20), (25, 30), (35, 40), (45, 50) are the same respectively. The total length will be calculated at the multiple of 10, with the interval of 5 mm, stroke above 60 mm the length will be of standard. (Please refer to P.6-3.60)
- **Thread** : Standard thread: Female thread (No code); B: Male thread.
- **Magnet** : JD Series - Standard : Without magnet (No code); S: With magnet. Additional 10 mm to be added into the total cylinder length. (Please refer to P.6-3.60)
- **Sensor switch** : CS-30E and CS-9D(B) are two common models of sensor switch. As for different application, please refer separately.
- **Screw table** : As for screw size, please refer to P.6-3.88 for screw specification table.

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

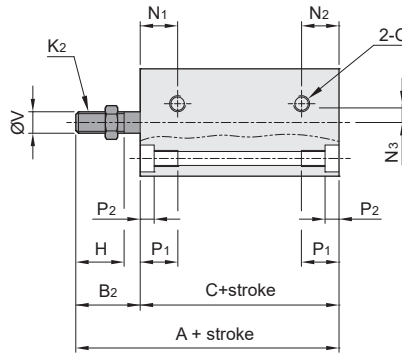
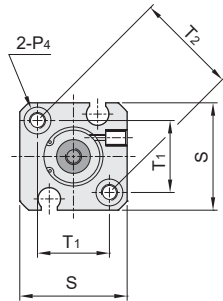
JM

JD series Compact Cylinder/ Double Acting

Dimension-Standard type

CHELIC

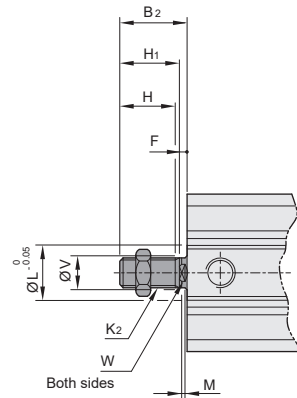
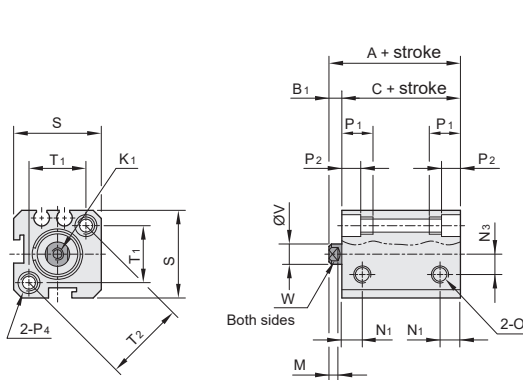
JD Ø6 ~ Ø10



※ Note: Standard stroke is 5, 10, 15, 20, 25, 30

JD Ø12 ~ Ø16

Male thread dimension



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

Mark Bore size (mm)	Standard type				F	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	O
	A	B ₁	B ₂	C										
6	33	—	8	25	—	6	—	—	M3x0.5P	—	—	8.5	6.5	M3x0.5P
10	47	—	12	35	—	9	10	—	M4x0.7P	—	—	10.5	10.5	M3x0.5P
12	25	4.5	14.5	20.5	4.5	9	10	M3x0.5Px7 dp	M5x0.8P	9.8	3	7.5	—	M5x0.8P
16	25.2	3.7	13.7	21.5	3.7	9	10	M3x0.5Px7 dp	M5x0.8P	10	3	8	—	M5x0.8P

Mark Bore size (mm)	P ₄ (Mounting hole)	P ₁	P ₂	S	T ₁	T ₂	V	W
6	Thru-hole Ø2.6, Thread M3x0.5Px5 dp; Hole Ø5x2.6 dp; (Both sides)	7.6	2.6	16	10	14.1	3	—
10	Thru-hole Ø2.6, Thread M3x0.5Px5 dp; Hole Ø5x2.6 dp; (Both sides)	7.6	2.6	20	13.4	19	4	—
12	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)	10.5	4.5	25	15.7	22.2	6	5
16	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)	10.5	4.5	29	19.8	28	6	5

JD series Compact Cylinder/ Double Acting

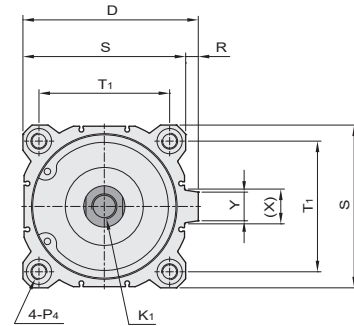
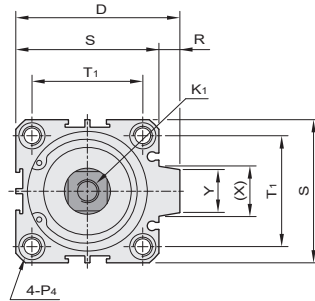
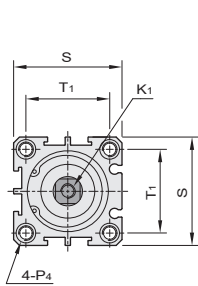
Dimension-Standard type

CHELIC

JD Ø20 ~ Ø25

JD Ø32 ~ Ø100

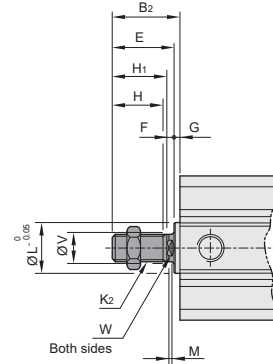
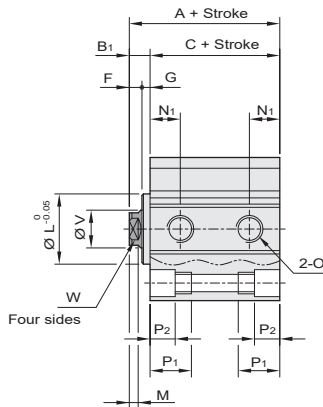
JD Ø125



※ Note : Stroke 35, 45 to be added 5mm to the body length of cylinder.

Female thread dimension

Male thread dimension



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

Mark Bore size (mm)	Standard type				D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	O
	A	B ₁	B ₂	C												
20	25	5.5	19.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1.0P	13	3	7.5	M5 x 0.8P
25	27.2	6	22	21.2	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	M5 x 0.8P
32	31	7	24	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	33.5	7	34	26.5	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	37.6	9	36	28.6	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	41	8.5	35.5	32.5	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	52	10.7	43.7	41.3	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	54	8.7	41.7	45.3	124	38.7	5.7	3	30	33	M16 x 2P x 20 dp	M22 x 1.5P	45	4	15	PT 3/8
125	99	16	58	83	153	—	—	—	42	45	M22 x 2.5P x 30 dp	M30 x 1.5P	—	15	24.5	PT 3/8

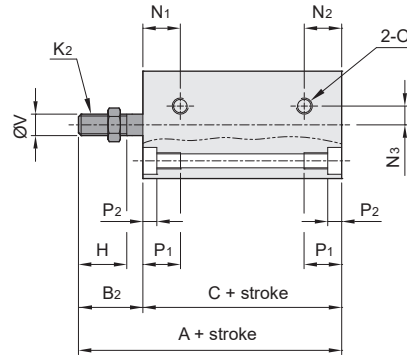
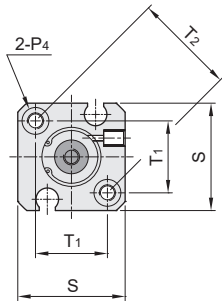
Mark Bore size (mm)	P ₄ (Mounting hole)	P ₁	P ₂	R	S	T ₁	V	W	X	Y
25	Thru-hole Ø5.1, Thread M6x1.0Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	Thru-hole Ø5.1, Thread M6x1.0Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	6	44	34	12	10	15	13.6
40	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (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
125	Thru-hole Ø12.5, Thread M14x2Px25 dp; Hole Ø20x13 dp; (Both sides)	40	15	11	142	114	36	32	28.6	25

JDS series Compact Cylinder/ Double Acting

Dimension-Built-in magnet

CHELIC

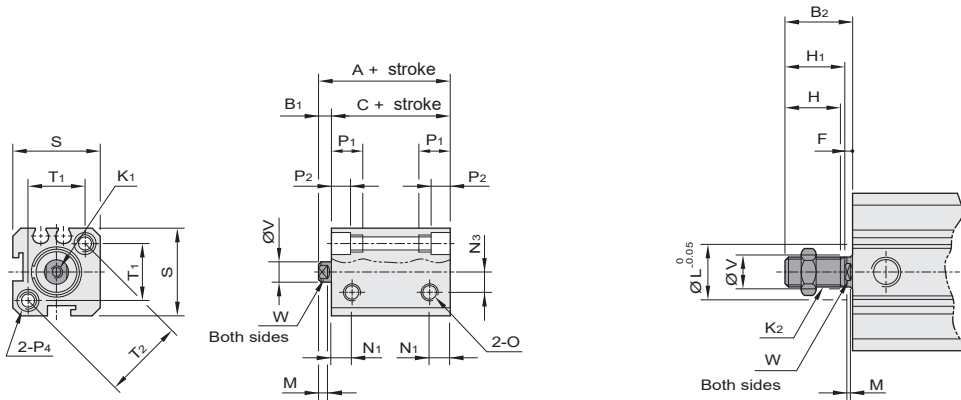
◉ JDS Ø6 ~ Ø10



※ Note: Standard stroke is 5, 10, 15, 20, 25, 30

◉ JDS Ø12 ~ Ø16

◉ Male thread dimension



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

Mark Bore size (mm)	Standard type		B ₁	B ₂	F	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	O
	A	C												
6	33	25	—	8	—	6	—	—	M3x0.5P	—	—	8.5	6.5	M3 x 0.5P
10	47	35	—	12	—	9	10	—	M4x0.7P	—	—	10.5	10.5	M3 x 0.5P
12	35	30.5	4.5	14.5	4.5	9	10	M3 x 0.5P x 7 dp	M5x0.8P	9.8	3	7.5	7.5	M5 x 0.8P
16	35.2	31.5	3.7	13.7	3.7	9	10	M3 x 0.5P x 7 dp	M5x0.8P	10	3	8	8	M5 x 0.8P

Mark Bore size (mm)	P ₄ (Mounting hole)							P ₁	P ₂	S	T ₁	T ₂	V	W
6	Thru-hole Ø2.6, Thread M3x0.5Px5 dp; Hole Ø5x2.6 dp; (Both sides)							7.6	2.6	16	10	14.1	3	—
10	Thru-hole Ø2.6, Thread M3x0.5Px5 dp; Hole Ø5x2.6 dp; (Both sides)							7.6	2.6	20	13.4	19	4	—
12	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)							10.5	4.5	25	15.7	22.2	6	5
16	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)							10.5	4.5	29	19.8	28	6	5

JDS series Compact Cylinder/ Double Acting

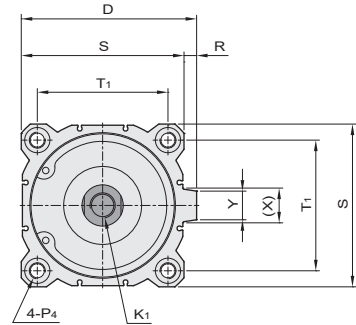
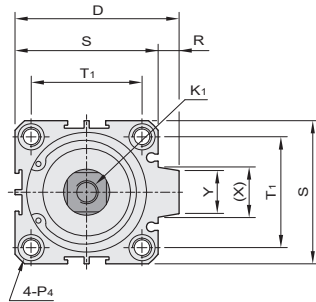
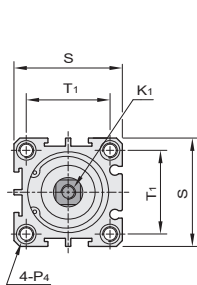
Dimension-Built-in magnet

CHELIC

☉ JDS Ø20 ~ Ø25

☉ JDS Ø32 ~ Ø100

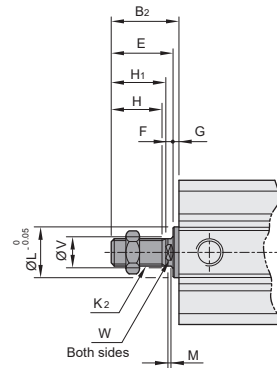
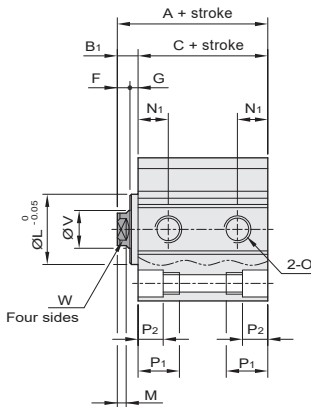
☉ JDS Ø125



※ Note: Stroke 25, 35 to be added 5mm to the body length of cylinder.

☉ Female thread dimension

☉ Male thread dimension



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

Mark Bore size (mm)	Standard type		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	O
	A	C														
20	35	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1.0P	13	3	7.5	M5 x 0.8P
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	M5 x 0.8P
32	41	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	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
125	99	83	16	58	153	—	—	—	42	45	M22 x 2.5P x 30 dp	M30 x 1.5P	—	15	24.5	PT 3/8

Mark Bore size (mm)	P ₄ (Mounting hole)										P ₁	P ₂	R	S	T ₁	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 M6x1.0Px8 dp; Hole Ø8x6 dp; (Both sides)										14	6	—	40	28	10	8	—	—	—
32	Thru-hole Ø5.1, Thread M6x1.0Px8 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 M14x2.0Px15 dp; Hole Ø18.5x13 dp; (Both sides)										28	13	10	114	90	25	22	27.6	25	—
125	Thru-hole Ø12.5, Thread M14x2.0Px25 dp; Hole Ø120x13 dp; (Both sides)										40	15	11	142	114	36	32	28.6	25	—

JSI series Compact Cylinder/ Single Acting

Dimension-Normal in

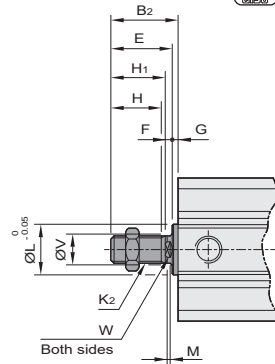
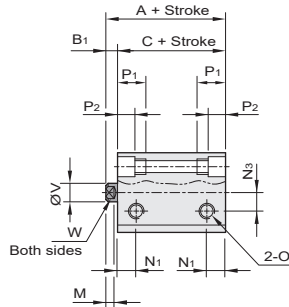
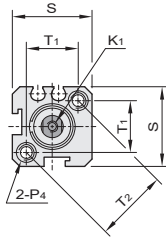
CHELIC

JSI Ø12 ~ Ø16

Male thread dimension

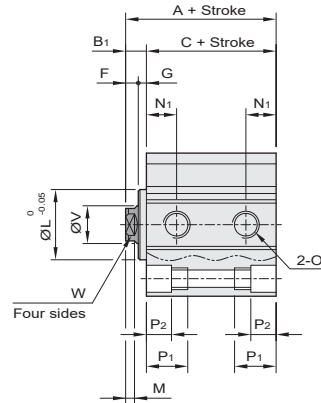
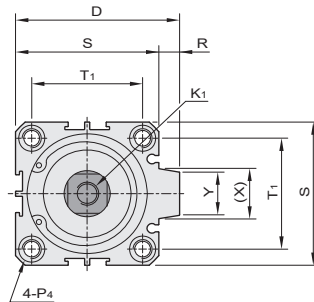
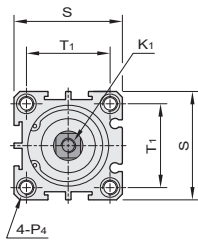


JSI □ x □ ST



JSI Ø20 ~ Ø25

JSI Ø32 ~ Ø50



※ Note: Stroke 5, 15, 25 to be added 5mm to the body length of cylinder.

Mark	Standard type				With magnet				B1	B2	D	E	F	G	H	H1	K1	K2	L	M	N1	O
	Stroke 5 ~ 15		20 ~ 30		5, 10		20															
Bore size	A	C	A	C	A	C	A	C														
12	35	30.5	35	30.5	45	40.5	45	40.5	4.5	14.5	—	14.5	4.5	—	9	10	M3x0.5Px7 dp	M5x0.8P	9.8	3	7.5	M5x0.8P
16	35.2	31.5	35.2	31.5	45.2	41.5	45.2	41.5	3.7	13.7	—	13.7	3.7	—	9	10	M3x0.5Px7 dp	M5x0.8P	10	3	8	M5x0.8P
20	35	29.5	35	29.5	45	39.5	45	39.5	5.5	19.5	—	18	4	1.5	13	14	M4x0.7Px10 dp	M6x1P	13	3	7.5	M5x0.8P
25	37.2	31.2	37.2	31.2	47.2	41.2	47.2	41.2	6	22	—	20.1	4.1	1.9	15	16	M5x0.8Px12 dp	M8x1.25P	17	3	8	M5x0.8P
32	41	34	41	34	51	44	51	44	7	24	50	20.7	3.7	3.3	16	17	M6x1Px14 dp	M10x1.25P	22	3	9	PT 1/8
40	43.5	36.5	43.5	36.5	53.5	46.5	53.5	46.5	7	34	58	30.7	3.7	3.3	25	27	M8x1.25Px14 dp	M14x1.5P	28	3	10	PT 1/8
50	47.6	38.6	47.6	38.6	57.6	48.6	57.6	48.6	9	36	71	32.1	5.1	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	38	3	10.85	PT 1/4

Bore size (mm)	Mark	P4 (Mounting hole)											P1	P2	R	S	T1	T2	V	W	X	Y
12		Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)											10.5	4.5	—	25	15.7	22.2	6	5	—	—
16		Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)											10.5	4.5	—	29	19.8	28	6	5	—	—
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

JSO series Compact Cylinder/ Single Acting

Dimension-Normal out

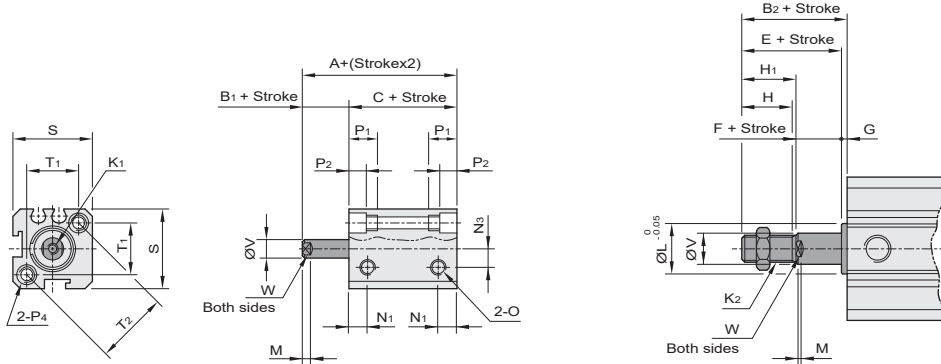
CHELIC

JSO Ø12 ~ Ø16

Male thread dimension

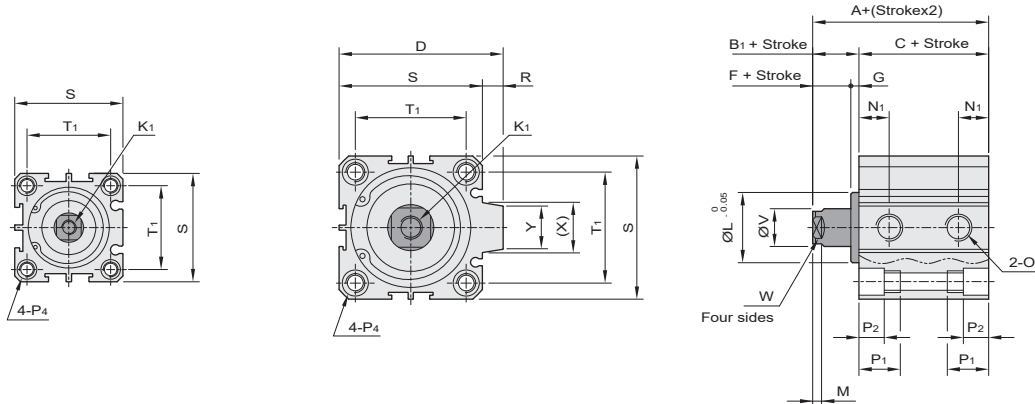


JSO □ x □ ST



JSO Ø20 ~ Ø25

JSO Ø32 ~ Ø50



※ Note: Stroke 5, 15, 25 to be added 5mm to the body length of cylinder.

Mark	Standard type				With magnet				B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	O
	Stroke 5 ~ 15		20 ~ 30		5, 10		20															
Bore size (mm)	A	C	A	C	A	C	A	C														
12	35	30.5	35	30.5	45	40.5	45	40.5	4.5	14.5	—	14.5	4.5	—	9	10	M3x0.5Px7 dp	M5x0.8P	9.8	3	7.5	M5x0.8P
16	35.2	31.5	35.2	31.5	45.2	41.5	45.2	41.5	3.7	13.7	—	13.7	3.7	—	9	10	M3x0.5Px7 dp	M5x0.8P	10	3	8	M5x0.8P
20	35	29.5	35	29.5	45	39.5	45	39.5	5.5	19.5	—	18	4	1.5	13	14	M4x0.7Px10 dp	M6x1P	13	3	7.5	M5x0.8P
25	37.2	31.2	37.2	31.2	47.2	41.2	47.2	41.2	6	22	—	20.1	4.1	1.9	15	16	M5x0.8Px12 dp	M8x1.25P	17	3	8	M5x0.8P
32	41	34	41	34	51	44	51	44	7	24	50	20.7	3.7	3.3	16	17	M6x1Px14 dp	M10x1.25P	22	3	9	PT 1/8
40	43.5	36.5	43.5	36.5	53.5	46.5	53.5	46.5	7	34	58	30.7	3.7	3.3	25	27	M8x1.25Px14 dp	M14x1.5P	28	3	10	PT 1/8
50	47.6	38.6	47.6	38.6	57.6	48.6	57.6	48.6	9	36	71	32.1	5.1	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	38	3	10.85	PT 1/4

Mark	P ₄ (Mounting hole)	P ₁	P ₂	R	S	T ₁	T ₂	V	W	X	Y
12	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)	10.5	4.5	—	25	15.7	22.2	6	5	—	—
16	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø6.5x4.5 dp; (Both sides)	10.5	4.5	—	29	19.8	28	6	5	—	—
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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

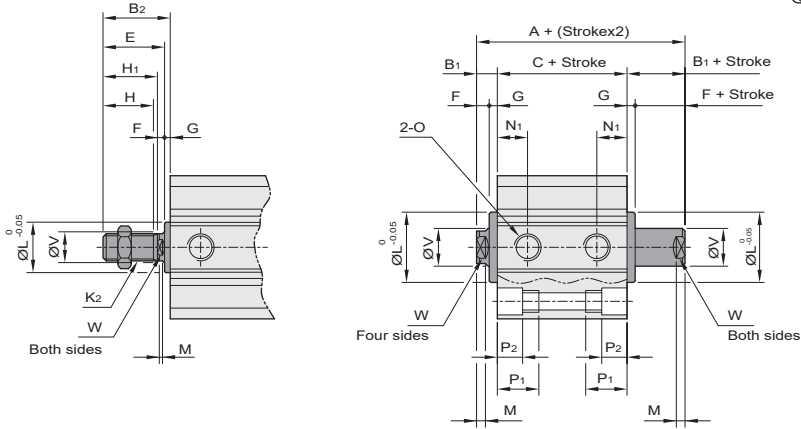
JM

JDD series Compact Cylinder (Stroke Adjustable)

Dimension

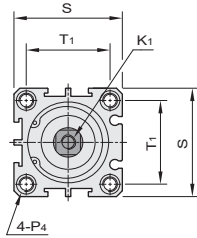
CHELIC

Male thread dimension

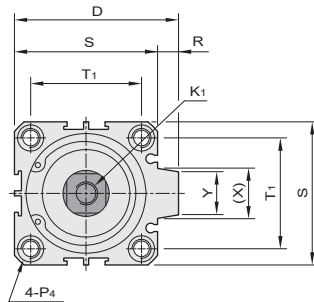


※ Note: Stroke 35, 45, 55 to be added 5mm to the body length of cylinder.

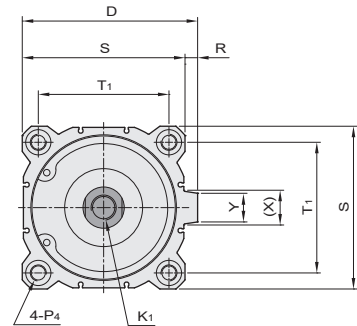
JDD Ø20 ~ Ø25



JDD Ø32 ~ Ø100



JDD Ø125



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

Bore size (mm)	Mark	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	O
		A	C	A	C														
20		30.5	19.5	40.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6x1P	13	3	7.5	M5x0.8P
25		33.2	21.2	43.2	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8x1.25P	17	3	8	M5x0.8P
32		38	24	48	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1.0P x 14 dp	M10x1.25P	22	3	9	PT 1/8
40		40.5	26.5	50.5	36.5	7	34	58	30.7	3.7	3.3	25	27	M8 x 1.25 P x 14 dp	M14x1.5P	28	3	10	PT 1/8
50		46.5	28.6	56.6	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	PT 1/4
63		49.5	32.5	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	M18x1.5P	40	3	11	PT 1/4
80		62.7	41.3	72.7	51.3	10.7	10.7	104	38.7	5.7	5	30	33	M14 x 1.5P x 20 dp	M22x1.5P	45	4	13	PT 3/8
100		62.7	45.3	72.7	55.3	8.7	8.7	124	38.7	5.7	3	30	33	M16 x 2.0P x 30 dp	M22x1.5P	45	4	15	PT 3/8
125		115	83	115	83	16	58	153	—	—	—	42	45	M22 x 2.5P x 30 dp	M30x1.5P	45	15	24.5	PT 3/8

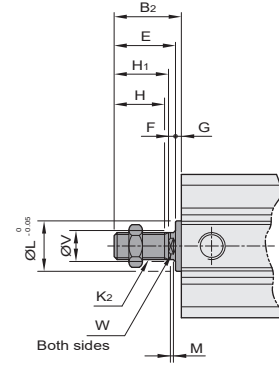
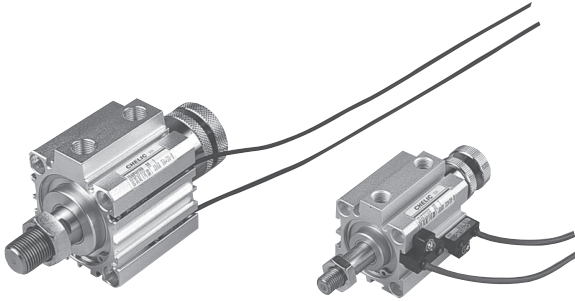
Bore size (mm)	Mark	P ₄ (Mounting hole)										P ₁	P ₂	R	S	T ₁	V	W	X	Y
20		Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)										11	5	—	34	24	8	6	—	—
25		Thru-hole Ø5.1, Thread M6x1.0Px8 dp; Hole Ø8x6 dp; (Both sides)										14	6	—	40	28	10	8	—	—
32		Thru-hole Ø5.1, Thread M6x1.0Px8 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 M14x2.0Px15 dp; Hole Ø18.5x13 dp; (Both sides)										28	13	10	114	90	25	22	27.6	25
125		Thru-hole Ø12.5, Thread M14x2.0Px25 dp; Hole Ø20x13 dp; (Both sides)										40	15	11	142	114.5	36	32	28.6	25

JDAR series Compact Cylinder (Stroke Adjustable)

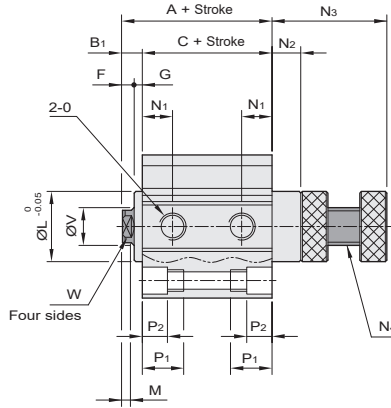
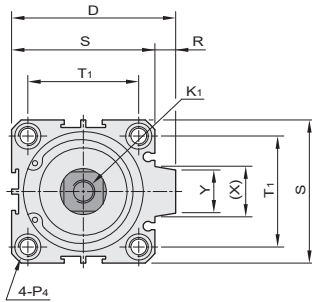
Dimension

CHELIC

Male thread dimension  JDAR □ x □ ST



JDAR Ø20 ~ Ø63



※Note: 1. Adjustable stroke: 10mm .

2. Stroke 5, 15, 25, 35, 45, 55 to be added 5mm to the body length of cylinder.

Bore size (mm)	Mark	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	N ₃	N ₄
		A	C	A	C																
20		25	19.5	35	29.5	5.5	19.5	—	18	4	1.5	13	14	M4x0.7Px10 dp	M6x1P	13	3	7.5	15.3	38.3	M8x1.25P
25		27.5	21.2	37.2	31.2	6	22	—	20.1	4.1	1.9	15	16	M5x0.8Px12 dp	M8x1.25P	17	3	8	14.9	37.9	M8x1.25P
32		31	24	41	34	7	24	50	20.7	3.7	3.3	16	17	M6x1Px14 dp	M10x1.25P	22	3	9	17	43.1	M10x1.5P
40		33.5	26.5	43.5	36.5	7	34	58	30.7	3.7	3.3	25	27	M8x1.25Px14 dp	M14x1.5P	28	3	10	16.3	42.3	M10x1.5P
50		37.6	28.6	47.6	38.6	9	36	71	32.1	5.1	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	38	3	10.85	20.7	50.7	M16x1.5P
63		41	32.5	51	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	40	3	11	19.8	49.8	M16x1.5P

Bore size (mm)	Mark	O	P ₄ (Mounting hole)									
			P ₁	P ₂	R	S	T ₁	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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

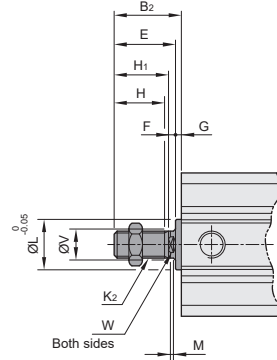
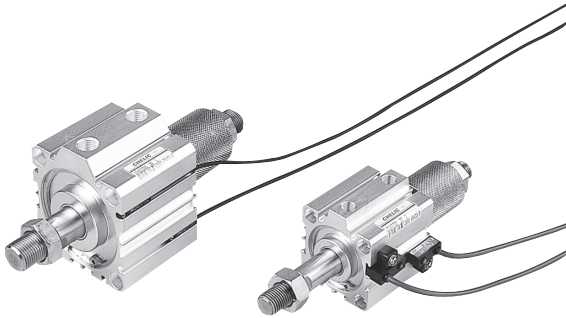
JM

JDAD series Compact Cylinder (Stroke Adjustable)

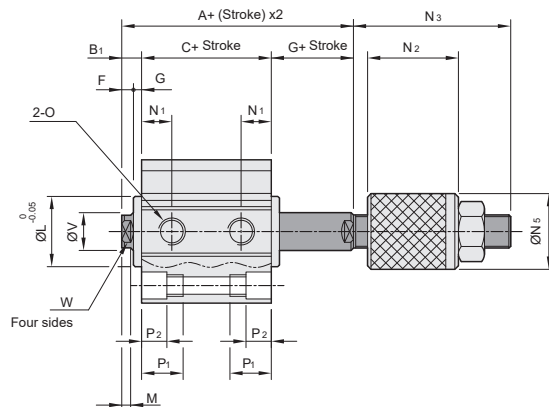
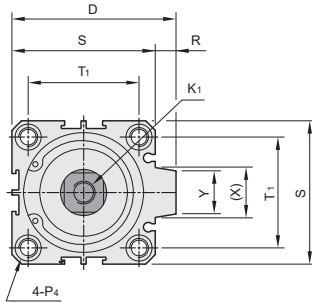
Dimension

CHELIC

Male thread dimension



JDAD Ø20 ~ Ø100



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

Mark Bore size (mm)	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	N ₃	N ₅
	A	C	A	C																
20	26.5	19.5	36.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4x0.7Px10 dp	M6x1P	13	3	7.5	31	39.5	16
25	29.1	21.2	39.1	31.2	6	22	—	20.1	4.1	1.9	15	16	M5x0.8Px12 dp	M8x1.25P	17	3	8	33	43	20
32	34.3	24	44.3	34	7	24	50	20.7	3.7	3.3	16	17	M6x1Px14 dp	M10x1.25P	22	3	9	33	44.5	25
40	36.8	26.5	46.8	36.5	7	34	58	30.7	3.7	3.3	25	27	M8x1.25Px14 dp	M14x1.5P	28	3	10	35	50	32
50	41.5	28.6	51.5	38.6	9	36	71	32.1	5.1	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	38	3	10.85	37	57	36
63	44.9	32.5	54.9	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	40	3	11	37	57	36
80	57	41.3	67	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14x1.5Px20 dp	M22x1.5P	45	4	13	37	59.5	44
100	57	45.3	67	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16x2.0Px20 dp	M22x1.5P	45	4	15	37	59.5	44

Mark Bore size (mm)	O	P ₄ (Mounting hole)					P ₁	P ₂	R	S	T ₁	V	W	X	Y
20	M5X0.8	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)					11	5	—	34	24	8	6	—	—
25	M5X0.8	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

JDAD series Compact Cylinder (Stroke Adjustable)

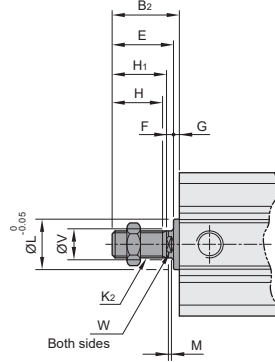
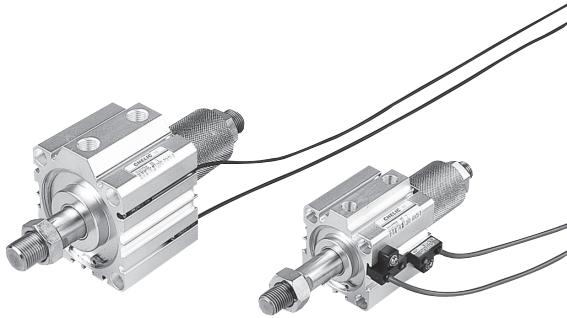
Dimension

CHELIC

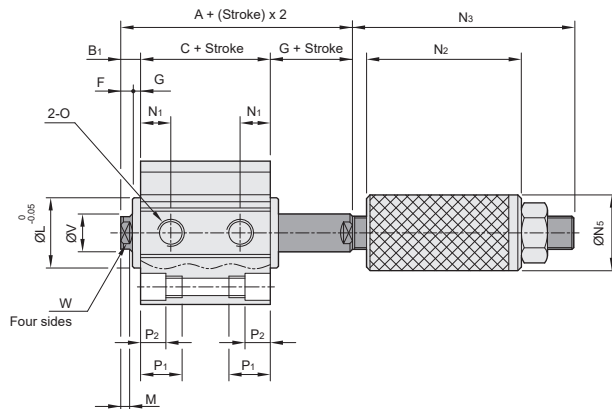
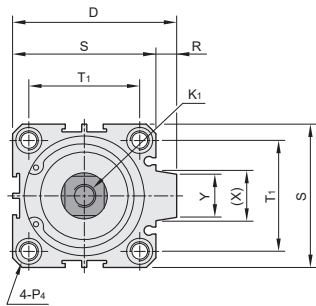
Male thread dimension



JDAD MST



JDAD Ø20 ~ Ø100



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

Mark	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	N ₃	N ₅
	A	C	A	C																
20	26.5	19.5	36.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4x0.7Px10 dp	M6x1P	13	3	7.5	56	64.5	16
25	29.1	21.2	39.1	31.2	6	22	—	20.1	4.1	1.9	15	16	M5x0.8Px12 dp	M8x1.25P	17	3	8	58	68	20
32	34.3	24	44.3	34	7	24	50	20.7	3.7	3.3	16	17	M6x1Px14 dp	M10x1.25P	22	3	9	58	69.5	25
40	36.8	26.5	46.8	36.5	7	34	58	30.7	3.7	3.3	25	27	M8x1.25Px14 dp	M14x1.5P	28	3	10	60	75	32
50	41.5	28.6	51.5	38.6	9	36	71	32.1	5.1	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	38	3	10.85	62	82	36
63	44.9	32.5	54.9	42.5	8.5	35.5	84.5	31.6	4.6	3.9	25	27	M10x1.5Px15 dp	M18x1.5P	40	3	11	62	82	36
80	57	41.3	67	51.3	10.7	43.7	104	38.7	5.7	5	30	33	M14x1.5Px20 dp	M22x1.5P	45	4	13	62	84.5	44
100	57	45.3	67	55.3	8.7	41.7	124	38.7	5.7	3	30	33	M16x2.0Px20 dp	M22x1.5P	45	4	15	62	84.5	44

Mark	O	P ₄ (Mounting hole)	P ₁	P ₂	R	S	T ₁	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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

JM

JDDSO series Compact Cylinder/ Double Rod

Dimension-Normal out

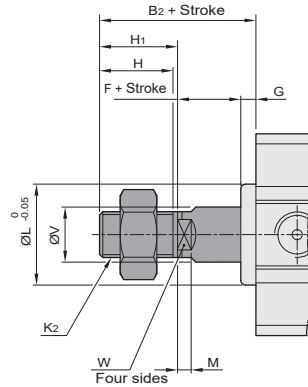
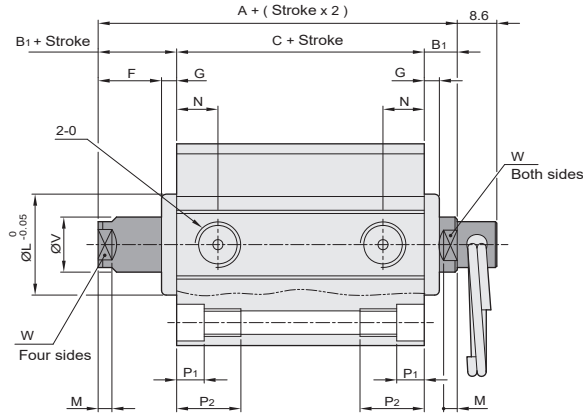
CHELIC

Female thread dimension

Male thread dimension

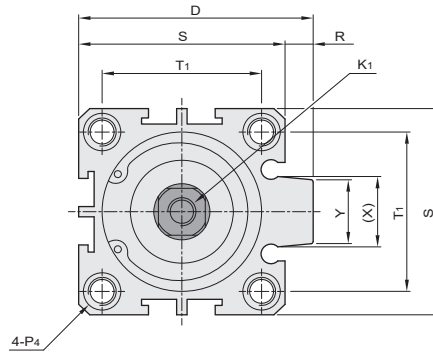
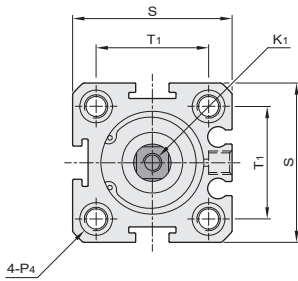


JDDSO □ x □ ST



JDDSO Ø20 ~ Ø25

JDDSO Ø32 ~ Ø50



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

Bore size (mm)	Mark	Stroke		B1	B2	D	F	G	H	H1	K1	K2	L	M	N	O
		10,20,30	30													
		A	C													
20		50.5	39.5	5.5	19.5	—	4	1.5	13	14	M4 x 0.7P x 10 dp	M6 x 1P	13	3	7.5	M5 x 0.8P
25		53.2	41.2	6	22	—	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8 x 1.25P	17	3	8	M5 x 0.8P
32		58	44	7	24	50	3.7	3.3	16	17	M6 x 1P x 14 dp	M10 x 1.25P	22	3	9	PT 1/8
40		60.5	46.5	7	34	58	3.7	3.3	25	27	M8 x 1.25P x 14 dp	M14 x 1.5P	28	3	10	PT 1/8
50		66.6	48.6	9	36	71	5.1	3.9	25	27	M10 x 1.5P x 15 dp	M18 x 1.5P	38	3	10.85	PT 1/4

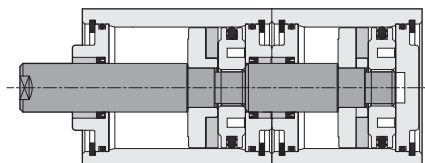
Bore size (mm)	Mark	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20		Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25		Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32		Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	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

JDF series Dual Stroke Compact Cylinder

Product features

CHELIC

Internal structure



Specification

Item	Bore size	20	25	32	40	50	63	80	100
Action		Double acting							
Fluid		Air							
Pressure range	kgf/cm ² (kPa)	1.5 ~ 7 (150 ~ 700)			1 ~ 7 (100 ~ 700)				
Max. operating pressure	kgf/cm ² (kPa)	9 (900)							
Port size		M5 X 0.8P		PT 1/8		PT 1/4		PT 3/8	
Ambient and fluid temperature	°C	-5 ~ +60							
Sensing device		Option: (Magnet must be marked "S")							

Standard stroke

JDF - □ Compact Cylinder	Magnet device	Standard (without magnet)								With magnet							
	Bore size	20	25	32	40	50	63	80	100	20	25	32	40	50	63	80	100
	Fist stroke range	10, 20, 30, 40, 50, 60, 75, 85, 100								10, 20, 30, 40, 50, 65, 75, 90							
	Second stroke range	10, 20, 30, 40, 50, 60, 75, 85, 100								10, 20, 30, 40, 50, 65, 75, 90							

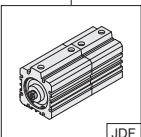
※ Note: 1. Non-standard stroke is customized, please contact sales representatives.

2. The first stroke + the second stroke is total stroke and it must follow formulation as below.

- Without magnet: The total stroke will not over 150mm (Ø20 ~ Ø32 will not over 100mm).
- With magnet: The total stroke will not over 140mm (Ø20 ~ Ø32 will not over 90mm).

Code of order

JDF × **32** + **20** + **50** **B** **S E 2**
 Model Bore size Stroke 1 Stroke 2 Thread type Sensor switch

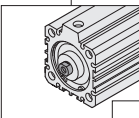


JDF:
Compact cylinder

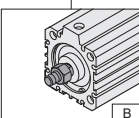
20 – Ø20 mm
25 – Ø25 mm
32 – Ø32 mm
40 – Ø40 mm
50 – Ø50 mm
63 – Ø63 mm
80 – Ø80 mm
100 – Ø100 mm

Stroke 1:
First stroke

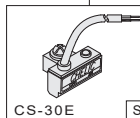
Stroke 2:
Second stroke



None:
Female thread

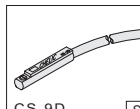


B: Male thread



CS-30E SE 2

None: Without sensor switch
SE : Sensor switch code (CS-30E)
2 : Number of sensor switch
1 = 1 PCS
2 = 2 PCS



CS-9D SD 2

None: Without sensor switch
SD : Sensor switch code (CS-9D)
SB : Sensor switch code (CS-9B)
2 : Number of sensor switch
1 = 1 PCS
2 = 2 PCS

Caution

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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

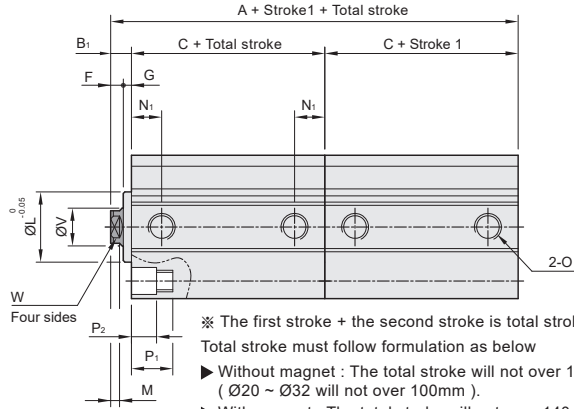
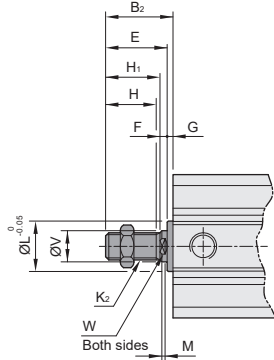
JM

JDF series Dual Stroke Compact Cylinder

Dimension

CHELIC

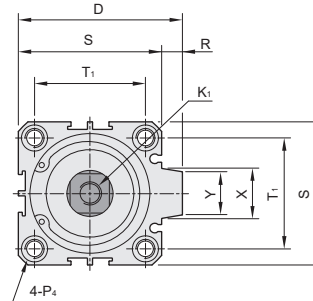
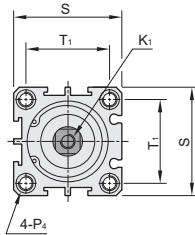
Male thread dimension



※ The first stroke + the second stroke is total stroke
 Total stroke must follow formulation as below
 ▶ Without magnet : The total stroke will not over 150mm (Ø20 ~ Ø32 will not over 100mm).
 ▶ With magnet : The total stroke will not over 140mm (Ø20 ~ Ø32 will not over 90mm).

JDF Ø20 ~ Ø25

JDF Ø32 ~ Ø100



※ Note: Non-standard stroke is customized, please contact sales representatives.

Mark Bore size (mm)	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁
	A	C	A	C													
20	44.5	19.5	64.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6x1P	13	3	7.5
25	48.4	21.2	68.4	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8x1.25P	17	3	8
32	55	24	75	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1.0P x 14 dp	M10x1.25P	22	3	9
40	60	26.5	80	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
50	66.2	28.6	86.2	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
63	73.5	32.5	93.5	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
80	93.3	41.3	113.3	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
100	99.3	45.3	119.3	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

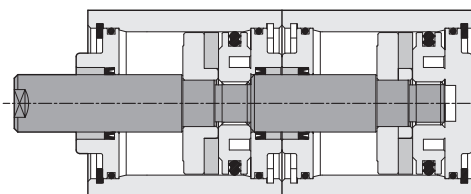
Mark Bore size (mm)	O	P ₄ (Mounting hole)	P ₁	P ₂	R	S	T ₁	V	W	X	Y
25	M5X0.8P	Thread M6x1Px8 dp; Hole Ø8x6 dp	14	6	—	40	28	10	8	—	—
32	PT 1/8	Thread M6x1Px8 dp; Hole Ø8x6 dp	14	6	6	44	34	12	10	15	13.6
40	PT 1/8	Thread M8x1.25Px10 dp; Hole Ø10x8 dp	18	8	6	52	40	16	14	15	13.6
50	PT 1/4	Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp	18.5	8.5	9	62	48	20	17	21.6	19
63	PT 1/4	Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	PT 3/8	Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp	22.5	10.5	10	94	74	25	22	27.6	25
100	PT 3/8	Thread M14x2Px15 dp; Hole Ø18.5x13 dp	28	13	10	114	90	25	22	27.6	25

JDM series Tandem Compact Cylinder

Product features

CHELIC

Internal structure



Specification

Item	Bore size	20	25	32	40	50	63	80	100
Action		Double acting							
Fluid		Air							
Pressure range	kgf/cm ² (kPa)	1.5 ~ 7 (150 ~ 700)			1 ~ 7 (100 ~ 700)				
Max. service pressure	kgf/cm ² (kPa)	9 (900)							
Port size		M5 x 0.8P		PT 1/8		PT 1/4		PT 3/8	
Ambient and fluid temperature	°C	-5 ~ +60							
Sensing device		Option (S: With magnet)							

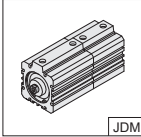
Standard stroke

JDM - <input type="checkbox"/> Compact Cylinder	Magnet device	Standard type (without magnet)								With magnet							
	Bore size	20	25	32	40	50	63	80	100	20	25	32	40	50	63	80	100
	Standard stroke range	10, 20, 30, 40, 50, 60, 75, 85, 100								10, 20, 30, 40, 50, 65, 75, 90							

※Note: 1. Non-standard stroke is special made, please contact with our sales.

Code of order

JDM × **32** - **20** - **B** - **S E 2**
 Model Bore size Stroke Thread type Sensor switch

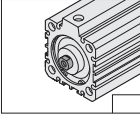


JDM:
Compact cylinder

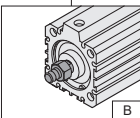
20 - Ø20 mm
25 - Ø25 mm
32 - Ø32 mm
40 - Ø40 mm
50 - Ø50 mm
63 - Ø63 mm
80 - Ø80 mm
100 - Ø100 mm

10 ~ 100 mm

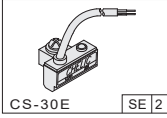
Please refer standard stroke table



None:
Female thread

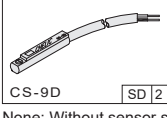


B: Male thread



CS-30E SE 2

None: Without sensor switch
SE : Sensor switch code (CS-30E)
2 : Number of sensor switch
1 = 1 PCS
2 = 2 PCS



CS-9D SD 2

None: Without sensor switch
SD : Sensor switch code (CS-9D)
SB : Sensor switch code (CS-9B)
2 : Number of sensor switch
1 = 1 PCS

Note :

- Standard type is female thread
- Male thread must be marked "B"

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

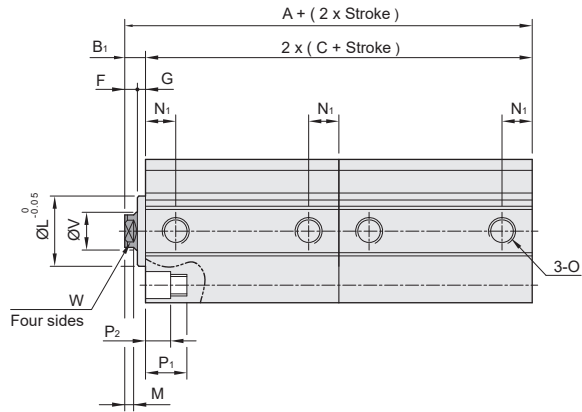
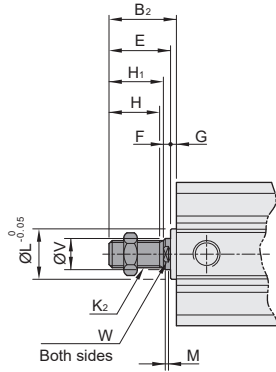
JM

JDM series Tandem Compact Cylinder

Dimension

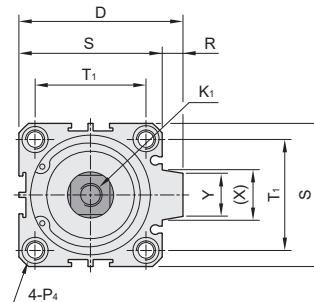
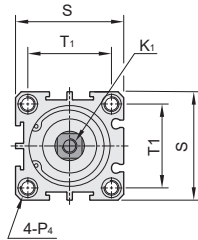
CHELIC

Male thread dimension



JDM Ø20 ~ Ø25

JDM Ø32 ~ Ø100



※ Note: Non-standard stroke is special made, please contact with our sales.

Mark Bore size (mm)	Standard type		With magnet		B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁
	A	C	A	C													
20	44.5	19.5	64.5	29.5	5.5	19.5	—	18	4	1.5	13	14	M4 x 0.7P x 10 dp	M6x1P	13	3	7.5
25	48.4	21.2	68.4	31.2	6	22	—	20.1	4.1	1.9	15	16	M5 x 0.8P x 12 dp	M8x1.25P	17	3	8
32	55	24	75	34	7	24	50	20.7	3.7	3.3	16	17	M6 x 1P x 14 dp	M10x1.25P	22	3	9
40	60	26.5	80	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
50	66.2	28.6	86.2	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
63	73.5	32.5	93.5	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
80	93.3	41.3	113.3	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
100	99.3	45.3	119.3	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

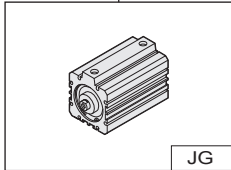
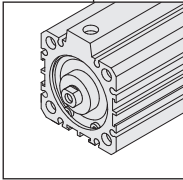
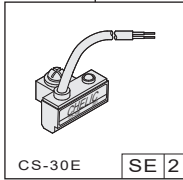
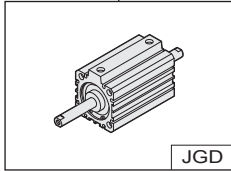
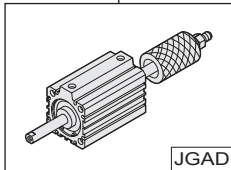
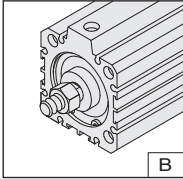
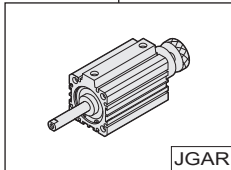
Mark Bore size (mm)	O	P ₄ (Mounting hole)	P ₁	P ₂	R	S	T ₁	V	W	X	Y
25	M5X0.8P	Thread M6x1Px8 dp; Hole Ø8x6 dp	14	6	—	40	28	10	8	—	—
32	PT 1/8	Thread M6x1Px8 dp; Hole Ø8x6 dp	14	6	6	44	34	12	10	15	13.6
40	PT 1/8	Thread M8x1.25Px10 dp; Hole Ø10x8 dp	18	8	6	52	40	16	14	15	13.6
50	PT 1/4	Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp	18.5	8.5	9	62	48	20	17	21.6	19
63	PT 1/4	Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp	18.5	8.5	9.5	75	60	20	17	23.5	20.5
80	PT 3/8	Thread M12x1.75Px12 dp; Hole Ø14x10.5 dp	22.5	10.5	10	94	74	25	22	27.6	25
100	PT 3/8	Thread M14x2Px15 dp; Hole Ø18.5x13 dp	28	13	10	114	90	25	22	27.6	25

JG series Dust-proof Cap Compact Cylinder

Code of order

CHELIC

Code of order

Model	Bore size	Stroke	Thread type	Sensor switch
 <p>JG: Standard - Double acting</p>	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 — Ø 100 mm	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 Ø 100 — 5 ~ 150 mm	 <p>None: Female thread</p>	 <p>CS-30E</p>
 <p>JGD: Twin-rod type</p>				<p>SE : Sensor switch code (CS-30E)</p> <p>2 : Number of sensor switch 1 = 1 PCS 2 = 2 PCS</p>
 <p>JGAD: Twin-rod & stroke adjustable type</p>			 <p>B: Male thread</p>	<p>SD : Sensor switch code (CS-9D)</p> <p>SB : Sensor switch code (CS-9B)</p> <p>2 : Number of sensor switch 1 = 1 PCS 2 = 2 PCS</p>
 <p>JGAR: Stroke adjustment</p>				

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.

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF





JE

JM

JG series Dust-proof Cap Compact Cylinder

Product features

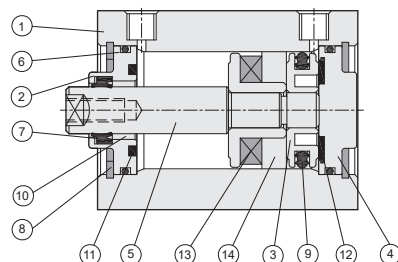
CHELIC

Symbol	Bore size and Stroke specification																
	Model	Bore size	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

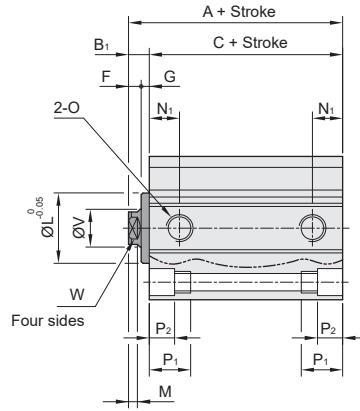
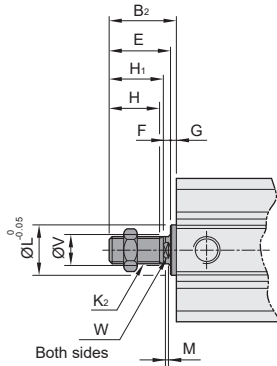
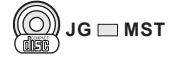


JG series Dust-proof Cap Compact Cylinder

Dimension-Built-in magnet

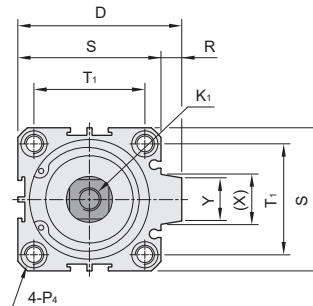
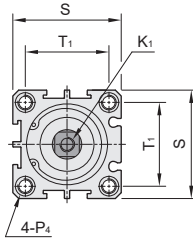
CHELIC

Male thread dimension



JG 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

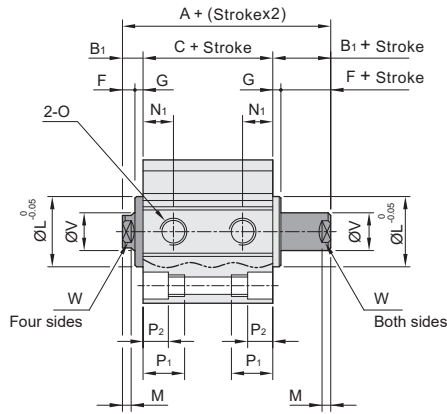
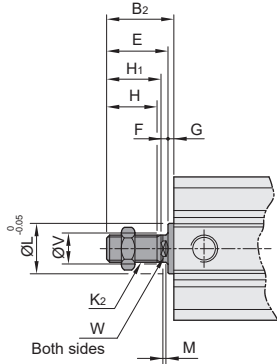
Mark Bore size (mm)	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	Thru-hole Ø4.3, Thread M5x0.8Px8 dp; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	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

JGD series Dust-proof Cap Compact Cylinder/ Double Rod

Dimension

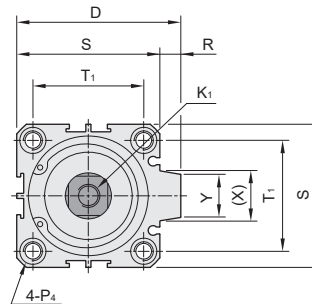
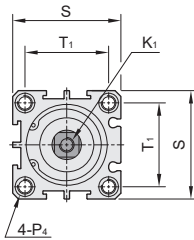
CHELIC

Male thread dimension



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 1/4
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

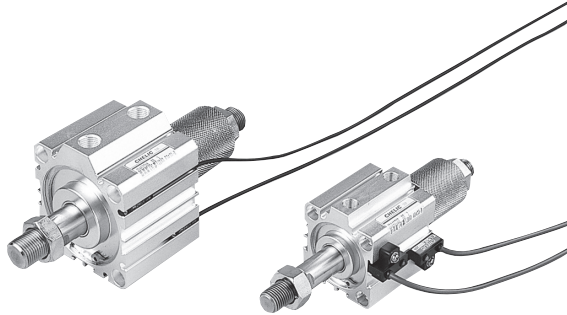
Mark Bore size (mm)	P4 (Mounting hole)	P1	P2	R	S	T1	V	W	X	Y
20	Thru-hole Ø4.3, Thread M5x0.8Px6 dp ; Hole Ø7x5 dp; (Both sides)	11	5	—	34	24	8	6	—	—
25	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	14	6	—	40	28	10	8	—	—
32	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)	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

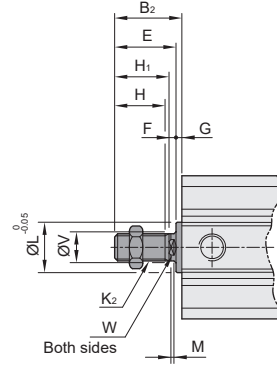
Stroke adjustable 25mm cylinder



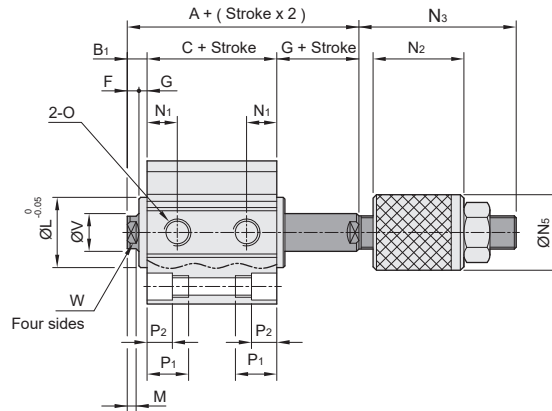
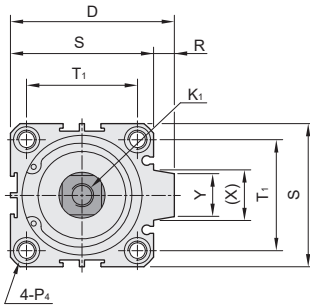
Male thread dimension



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 x 1.5P 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

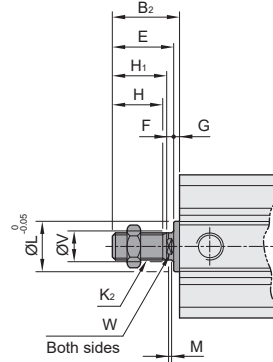
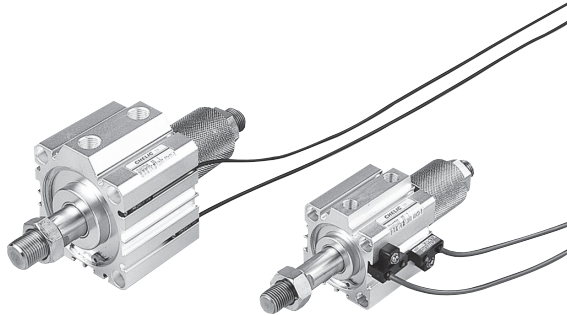
JGAD series Dust-proof Cap Compact Cylinder (Stroke Adjustable-40mm)

Dimension

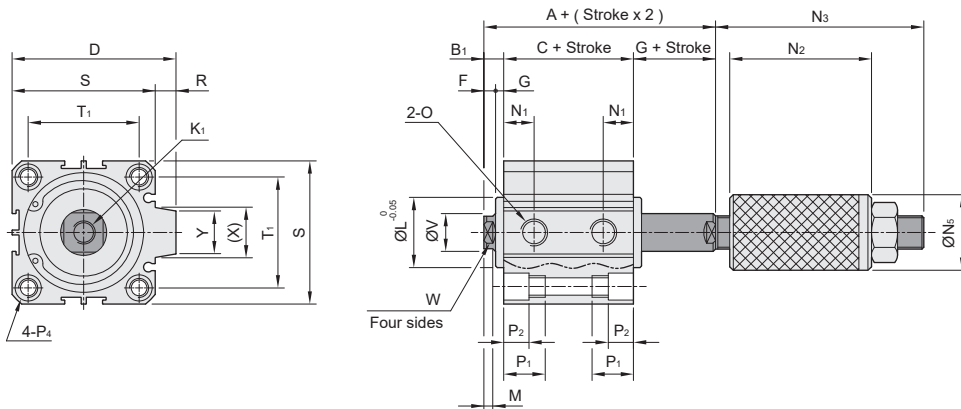
CHELIC

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)	Mark																	
	A	C	B ₁	B ₂	D	E	F	G	H	H ₁	K ₁	K ₂	L	M	N ₁	N ₂	N ₃	N ₅
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

Bore size (mm)	Mark	O	P ₄ (Mounting hole)				P ₁	P ₂	R	S	T ₁	V	W	X	Y
			P ₁	P ₂	R	S									
20	M5X0.8P	Thru-hole Ø4.3, Thread M5x0.8Px8 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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

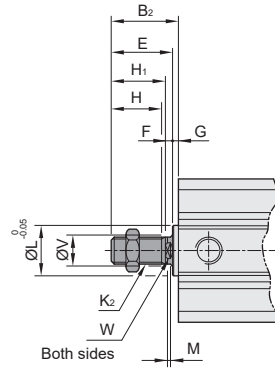
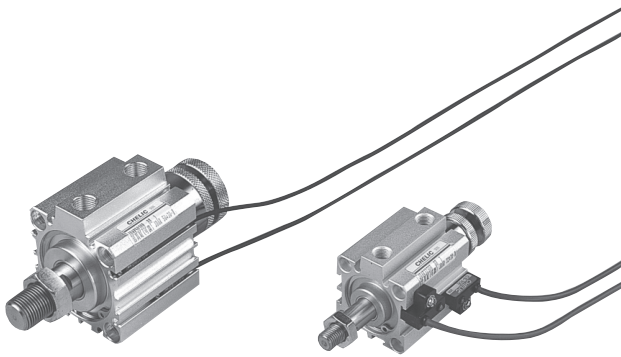
JTF

JCB

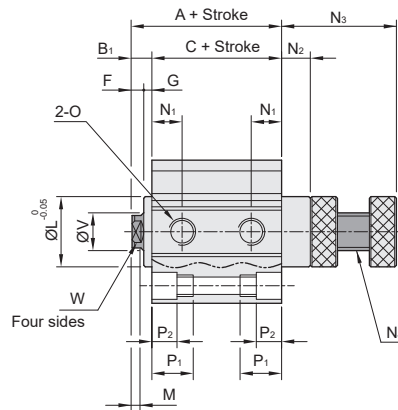
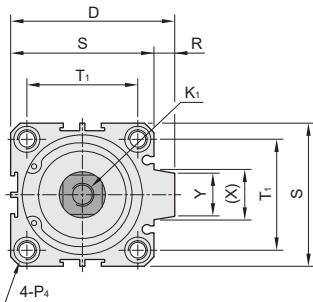
JCF

JE

JM



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	B ₁	B ₂	D	E	F	G	H	H ₁	K ₁		K ₂	L	M	N ₁	N ₂	N ₃	N ₄
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

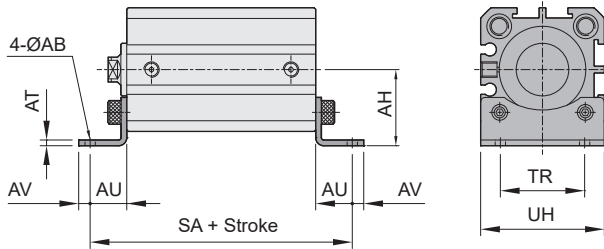
Bore size (mm)	Mark	P ₄ (Mounting hole)									
	O	P ₁	P ₂	R	S	T ₁	V	W	X	Y	
20	M5x0.8P	Thru-hole Ø4.3, Thread M5x0.8Px6 dp; Hole Ø7x5 dp; (Both sides)									
25	M5x0.8P	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)									
32	PT 1/8	Thru-hole Ø5.1, Thread M6x1Px8 dp; Hole Ø8x6 dp; (Both sides)									
40	PT 1/8	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø10x8 dp; (Both sides)									
50	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)									
63	PT 1/4	Thru-hole Ø6.8, Thread M8x1.25Px10 dp; Hole Ø11x8.5 dp; (Both sides)									

JD(G) series Compact Cylinder

Bracket dimensions

CHELIC

Foot mounting type - LB



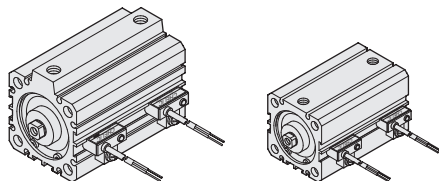
Mark	AB	AT	AV	AU	AH	TR	UH	SA
Bore size								
Ø06	3.5	2	4	6	12	23	30	37
Ø10	3.5	2	4	6	15	27	35	47
Ø12	4.5	2	4.5	8	17	34	44	36.5
Ø16	4.5	2	5	8	19	38	48	37.5
Ø20	6.6	3.2	5.8	9.2	24	44	60	37.9
Ø25	6.6	3.2	5.8	10.7	26	51	64	42.6
Ø32	6.6	3.2	5.8	11.2	30	56	68	46.4
Ø40	6.5	3.2	7	11.2	33	63	78	48.9
Ø50	9	3.2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

JD(G) series Compact Cylinder

Sensor switch operating range and the setting

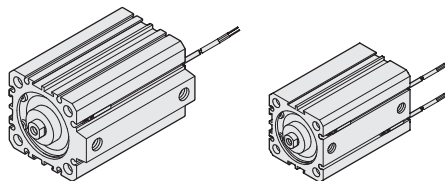
CHELIC

Sensor switch mounting type CS-30E



● Suitable for $\varnothing 12 \sim \varnothing 100$

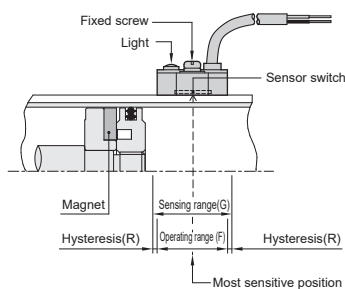
Sensor switch mounting type CS-9D



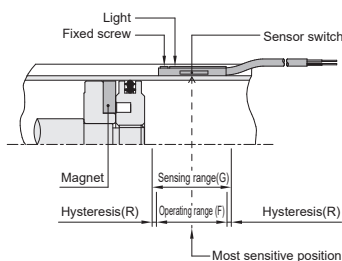
● Suitable for $\varnothing 6 \sim \varnothing 125$

Sensor switch setting and operating range

● CS-30E



● CS-9D(B)



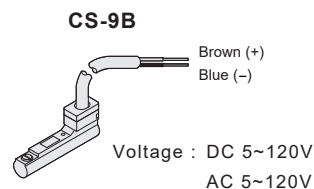
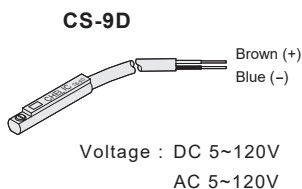
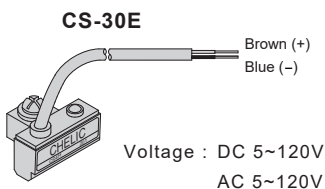
Sensing range

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)

Sensor switch introduction



Unit: mm

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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

JCF

JE

JM

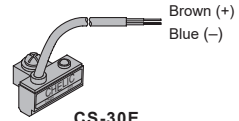
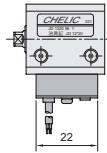
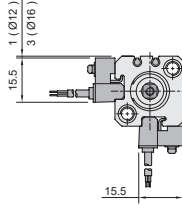
JD(G) series Compact Cylinder

Dimension-Sensor switch

CHELIC

● Sensor switch position dimension

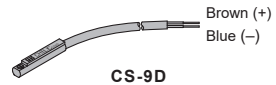
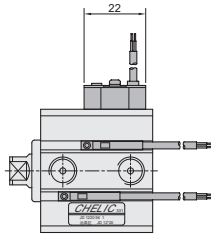
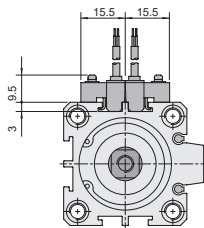
● $\varnothing 12, \varnothing 16$



CS-30E

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

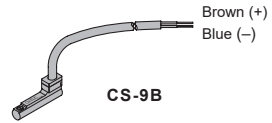
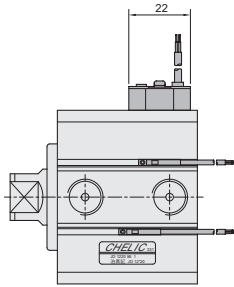
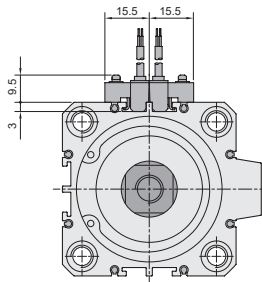
● $\varnothing 20, \varnothing 63$



CS-9D

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

● $\varnothing 80, \varnothing 100$

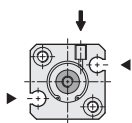


CS-9B

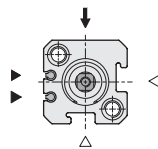
Voltage: DC 5 ~ 120 V
AC 5 ~ 120 V

● Sensor switch mounting

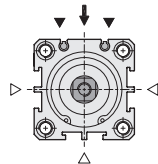
● $\varnothing 6, \varnothing 10$



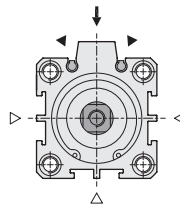
● $\varnothing 12, \varnothing 16$



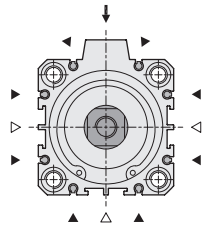
● $\varnothing 20, \varnothing 25$



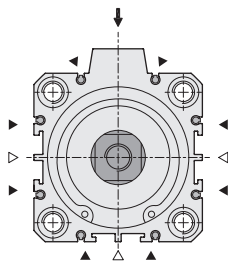
● $\varnothing 32, \varnothing 40$



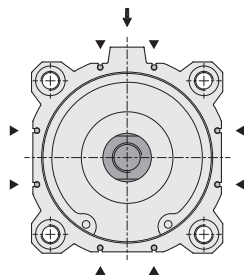
● $\varnothing 50, \varnothing 63$



● $\varnothing 80, \varnothing 100$



● $\varnothing 125$



Legend :

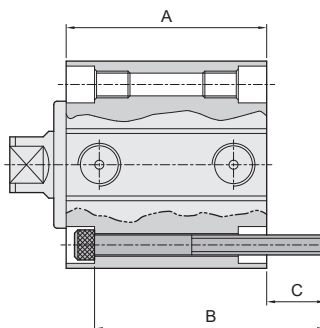
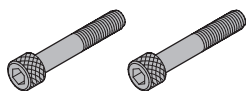
- ▲ : Groove for installing CS-9D(B)
- △ : Groove for installing CS-30E
- ↓ : Direction of piping port

JD(G) series Compact Cylinder/ Mounting Screw

Dimension-Accessory

CHELIC

① 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

NA

NA2

NB

NU

ND

NQ

MSI

JQ

JD

JG

JTD

JTF

JCB

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JE

JM