

■ Ø12 Ø16



- The reed switch will not protrude from reed switch mounting groove.

- 3 sides of sensing groove on Ø12 & Ø16.

■ Ø20, Ø25



- Reed switch mounting allows for flexible designing requirement.

- Ideal for machine designs with small space requirement.

■ Ø32, Ø40, Ø50, Ø63, Ø80, Ø100



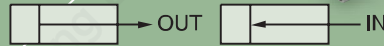
- 4 sides of sensing groove on Ø32 ~Ø100.

Specifications

Series	JS	JSR
Action	Standard type	Double acting with magnet piston
Bore	ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100	
Operating fluid	Air	
Proof pressure	1.5 MPa (15.3 kgf/cm ²)	
Max. operating pressure	1.0MPa (10.2 kgf/cm ²)	
Operating piston speed	50~500 mm/s (2~20 in/s)	
Ambient and fluid temperature	Without auto switch - 10°C(14°F)~+70°C(158°F)	
	With auto switch - 10°C(14°F)~+60°C(140°F)	
Lubrication	Not required	
Rod end thread	Female	
Stroke allowance	Standard stroke: $^{+10}_0$ mm, Long stroke: $^{+14}_0$ mm	



Theoretical force



Unit: N (Kgf)

Bore (mm)	Rod diameter (mm)	Operation	Pressurized area (mm ²)	Operating pressure MPa(kgf/cm ²)		
				3(0.3)	5(0.5)	7(0.7)
12	6	Out	1.13	34(3.5)	57(5.8)	79(8.1)
		In	0.85	25(2.6)	42(4.3)	59(6.0)
16	8	Out	2.01	60(6.1)	101(10.3)	141(14.4)
		In	1.51	45(4.6)	75(7.7)	106(10.8)
20	10	Out	3.14	94(9.6)	157(16.0)	220(22.4)
		In	2.36	71(7.2)	118(12.0)	165(16.8)
25	12	Out	4.91	147(14.9)	245(24.9)	344(35.1)
		In	3.78	113(11.5)	189(19.3)	264(26.9)
32	16	Out	8.04	240(24.5)	400(40.8)	560(57.1)
		In	6.03	180(18.4)	300(30.6)	420(42.8)
40	16	Out	12.56	370(37.7)	620(63.2)	870(88.7)
		In	8.98	310(31.6)	520(53.0)	730(74.5)
50	20	Out	19.63	580(59.2)	980(99.9)	1370(139.7)
		In	16.49	490(49.9)	820(83.6)	1150(117.3)
63	20	Out	31.16	930(94.9)	1550(158.1)	2180(222.3)
		In	28.02	840(85.7)	1400(142.8)	1960(200.0)
80	25	Out	50.24	1500(150)	2510(251)	3520(352)
		In	45.33	1360(136)	2270(227)	3170(317)
100	30	Out	78.5	2360(236)	3930(393)	5500(550)
		In	71.52	2140(214)	3570(357)	5000(500)

Weight lists

Unit: g

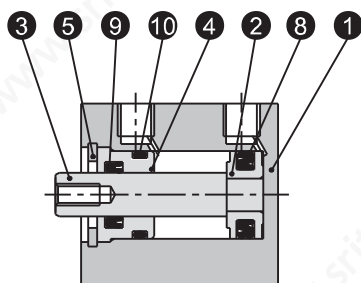
Model	Standard stroke(mm)												Additional weight for male thread
	5	10	15	20	25	30	35	40	45	50	75	100	
JS12	40	47	54	61	68	75	-	-	-	-	-	-	2
JS16	61	72	83	94	105	116	-	-	-	-	-	-	3
JS20	91	112	132	152	173	193	213	234	254	274	-	-	7
JS25	118	139	160	181	203	224	245	266	287	309	-	-	17
JS32	157	180	202	225	248	270	292	316	339	362	-	-	40
JS40	272	294	316	338	360	382	404	426	448	470	-	-	40
JS50	-	401	439	476	514	551	589	626	663	701	-	-	80
JS63	-	647	687	727	767	807	847	887	927	967	-	-	80
JS80	-	1433	1534	1624	1714	1804	1894	1985	2076	2166	2830	3296	160
JS100	-	2208	2314	2420	2526	2632	2738	2844	2950	3056	3801	4138	270
JSR12	50	57	64	71	78	85	-	-	-	-	-	-	2
JSR16	71	82	94	105	116	127	-	-	-	-	-	-	3
JSR20	104	123	143	163	184	204	224	245	265	286	-	-	7
JSR25	129	150	179	192	214	235	256	278	298	320	-	-	17
JSR32	259	271	283	295	318	340	363	386	409	436	-	-	40
JSR40	341	365	389	412	432	452	474	496	518	544	-	-	40
JSR50	-	497	532	566	607	647	682	716	751	806	-	-	80
JSR63	-	727	767	806	850	894	934	973	1013	1081	-	-	80
JSR80	-	1603	1697	1791	1885	1979	2074	2168	2263	2395	2860	3326	160
JSR100	-	2518	2577	2635	2744	2852	2956	3059	3163	3313	3831	4348	270

How to order

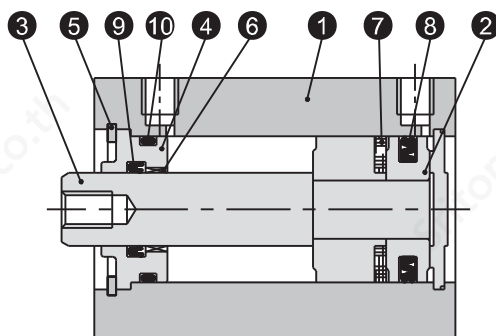
JS	R	32 x 50	B	LB	TD	2	
Series	With magnet	Bore	Stroke	Rod end male thread	Mounting type	Reed switch	Switch quantity
JS Standard type 		ø12 ø16 ø20 ø25 ø32 ø40 ø50 ø63 ø80 ø100	5~30mm 5~30mm 5~50mm 5~50mm 5~100mm 10~100mm 10~100mm 10~100mm		LB Bracket  FA/FB Flange  CB 	TD-11  TD-11 	1 : 1 PC 2 : 2 PCS

※For other sensor, please refer to 4 series.

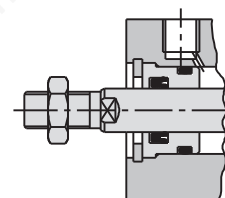
● Ø12~Ø25



● Ø32~Ø100



● Rod end male thread



Part lists

No.	Description	Material
①	Barrel	Aluminum alloy
②	Piston	Aluminum alloy
③	Piston rod	Stainless steel Carbon steel
④	Front end cover	Aluminum bearing alloy
⑤	Snap ring	Carbontool steel
⑥	Bush	Oil filled, sintered bronze
⑦	Magnet	Synthetic rubber
⑧	Piston seal	NBR
⑨	Rod seal	NBR
⑩	End cover seal	NBR

Seal lists

Description	⑧	⑨	⑩
Bore	Piston seal	Front cover seal	End cover seal
Ø12	APA12	MYA6	SM10
Ø16	APA16	MYA8	SM14
Ø20	APA20	MYA10	SM18
Ø25	APA25	MYA12	SM22
Ø32	APA32	MYA16	SM28
Ø40	APA40	EM1620	SM36
Ø50	APA50	EM2025	SM46
Ø63	APA63	MYA20	SM60
Ø80	APA80	DRP25	SM75
Ø100	APA100	DRP30	SM95

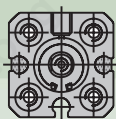
JS-Series

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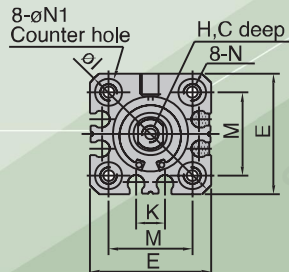
Series

Standard type

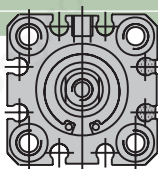
● Ø12



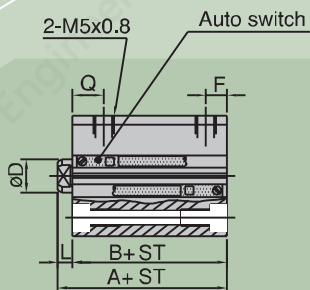
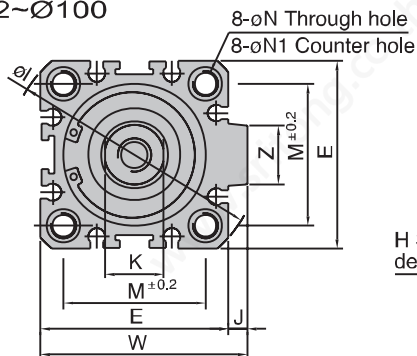
● Ø16



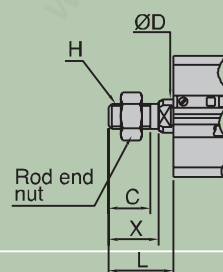
● Ø20~Ø25



● Ø32~Ø100



● Rod end male thread



Unit : mm

Bore	C	X	ØD	H	L
Ø12	9	10.5	6	M5x0.8	14
Ø16	10	12	8	M6x1.0	15.5
Ø20	12	14	10	M8x1.25	18.5
Ø25	15	17.5	12	M10x1.25	22.5
Ø32	20.5	23.5	16	M14x1.5	28.5
Ø40	20.5	23.5	16	M14x1.5	28.5
Ø50	26	28.5	20	M18x1.5	33.5
Ø63	26	28.5	20	M18x1.5	33.5
Ø80	32.5	35.5	25	M22x1.5	43.5
Ø100	32.5	35.5	30	M26x1.5	43.5

● Piston rod-Rod end male thread type

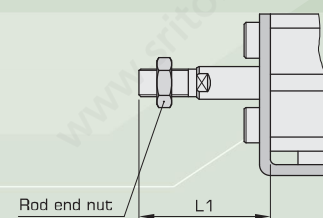
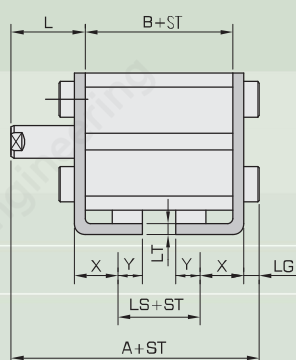
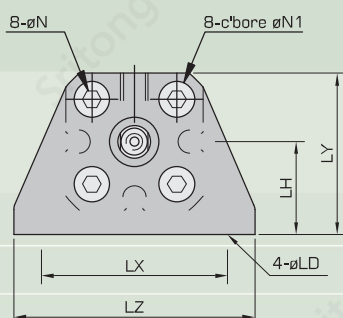
External Dimensions

Model	Stroke (mm)	Standard		Sensing		C	ØD	E	F	H	ØI	J	K	L	M	N	ØN1	P	Q	W	Z
		A	B	A	B																
JS12	5~30	20.5	17	25.5	22	6	6	25	5	M3x0.5	32	-	5	3.5	15.5	M4x0.7	6.5 depth 3.5	M5x0.8	7.5	-	-
JS16	5~30	20.5	17	25.5	22	8	8	29	5	M4x0.7	38	-	6	3.5	20	M4x0.7	6.5 depth 4	M5x0.8	7.5	-	-
JS20	5~50	24	19.5	34	29.5	7	10	36	5.5	M5x0.8	47	-	8	4.5	25.5	M6x1.0	9 depth 7	M5x0.8	9	-	-
JS25	5~50	27.5	22.5	37.5	32.5	12	12	40	5.5	M6x1.0	52	-	10	5	28	M6x1.0	9 depth 7	M5x0.8	11	-	-
JS32	5	30	23	40	33	13	16	45	5	M8x1.25	60	4.5	14	7	34	M6x1.0	9 depth 7	M5x0.8	12.5	49.5	14
	10~50								7.5									1/8"			
JS40	5~100	36.5	29.5	46.5	39.5	13	16	52	8	M8x1.25	69	5	14	7	40	M6x1.0	9 depth 7	1/8"	11	57	15
JS50	10~100	38.5	30.5	48.5	40.5	15	20	64	10.5	M10x1.5	86	7	17	8	50	M8x1.25	11 depth 8	1/4"	10.5	71	19
JS63	10~100	44	36	54	46	15	20	77	10.5	M10x1.5	103	7	17	8	60	M10x1.5	14 depth 10.5	1/4"	15	84	22
JS80	10~100	53.5	43.5	63.5	53.5	21	25	98	12.5	M16x2.0	132	6	22	10	77	M12x1.75	17.5 depth 13.5	3/8"	16	104	26
JS100	10~100	65	53	75	63	27	30	117	15	M20x2.5	156	6.5	27	12	94	M12x1.75	17.5 depth 13.5	3/8"	23	123.5	26

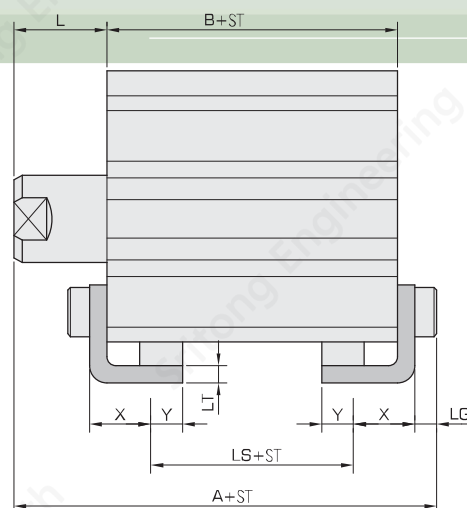
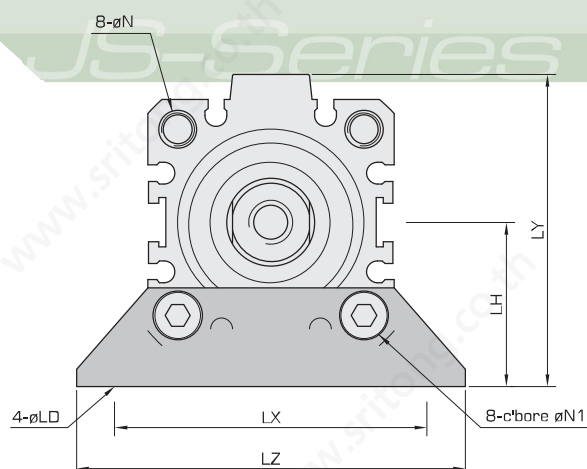
Foot mounting(LB)

● Ø12~Ø25

● Rod end male thread



● Ø32~Ø100



External Dimensions

Model	Stroke (mm)	Standard			Sensing			L	L1	N	øN1	X	Y	øLD	LG	LH	LT	LX	LY	LZ
		A	B	LS	A	B	LS													
JS12	5~30	35.3	17	5	40.3	22	10	13.5	24	M4x0.7	ø6.5 depth 3.5	8	4.5	4.5	2.8	17	2	34	29.5	44
JS16	5~30	35.3	17	5	40.3	22	10	13.5	25.5	M4x0.7	ø6.5 depth 3.5	8	5	4.5	2.8	19	2	38	33.5	48
JS20	5~50	41.2	19.5	7.5	51.2	29.5	17.5	14.5	28.5	M6x1.0	ø9 depth 7	9.2	5.8	6.6	4	24	3.2	48	42	62
JS25	5~50	44.7	22.5	7.5	54.7	32.5	17.5	15	32.5	M6x1.0	ø9 depth 7	10.7	5.8	6.6	4	26	3.2	52	46	66
JS32	5	47.2	23	7	57.2	33	17	17	38.5	M6x1.0	ø9 depth 7	11.2	5.8	6.6	4	30	3.2	57	57	71
	10~50																			
JS40	5~100	53.7	29.5	13.5	63.7	39.5	23.5	17	38.5	M6x1.0	ø9 depth 7	11.2	7	6.6	4	33	3.2	64	64	78
JS50	10~100	56.7	30.5	7.5	66.7	40.5	17.5	18	43.5	M8x1.25	ø11 depth 8	14.7	8	9	5	39	3.2	79	78	95
JS63	10~100	62.2	36	10	72.2	46	20	18	43.5	M10x1.5	ø14 depth 10.5	16.2	9	11	5	46	3.2	95	91.5	113
JS80	10~100	75	43.5	13.5	85	53.5	23.5	20	53.5	M12x1.75	ø17.5 depth 13.5	19.5	11	13	7	59	4.5	118	114	140
JS100	10~100	88	53	19	98	63	29	22	53.5	M12x1.75	ø17.5 depth 13.5	23	12.5	13	7	71	6	137	136	162

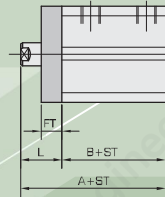
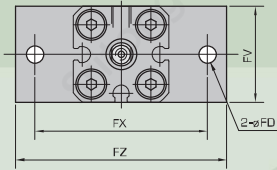
JS-Series

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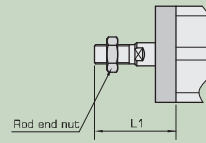
Series

Front flange mounting type (FA / FB)

● Ø12~Ø25

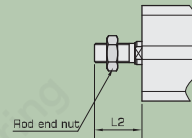
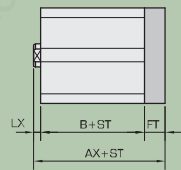
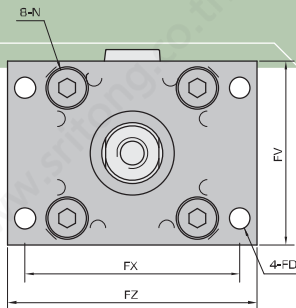


● Rod end male thread

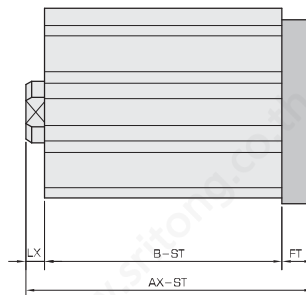


● Rear flange mounting type (FB)

● Ø32~Ø100



● Rear flange mounting type (FB)



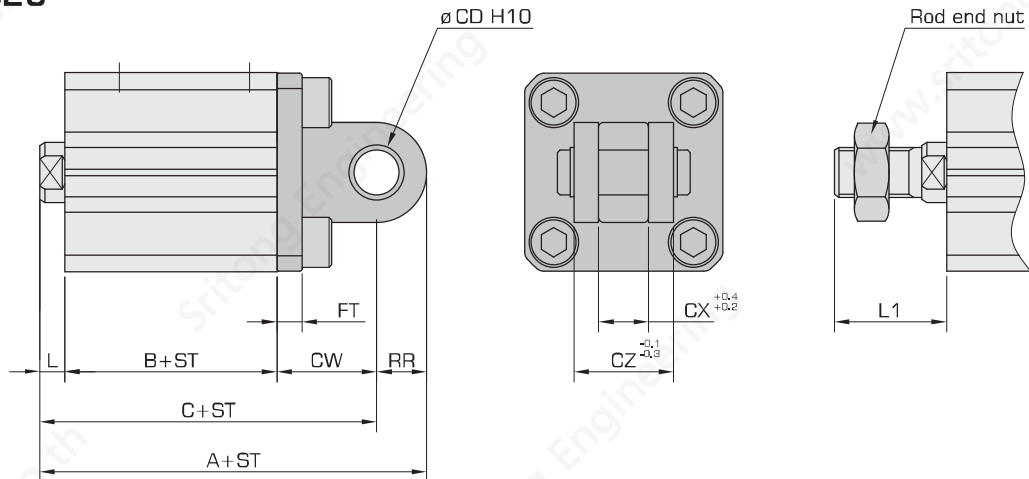
External Dimensions

Model	Stroke (mm)	Standard			Sensing			L	LX	N	øFD	FT	FV	FX	FZ	L1	L2
		A	AX	B	A	AX	B										
JS12	5~30	30.5	26	17	35.5	31	22	13.5	3.5	M4x0.7	4.5	5.5	25	45	55	24	14
JS16	5~30	30.5	26	17	35.5	31	22	13.5	3.5	M4x0.7	4.5	5.5	30	45	55	25.5	15.5
JS20	5~50	34	32	19.5	44	42	29.5	14.5	4.5	M6x1.0	6.6	8	39	48	60	28.5	18.5
JS25	5~50	37.5	35.5	22.5	47.5	45.5	32.5	15	5	M6x1.0	6.6	8	42	52	64	32.5	22.5
JS32	5	40	38	23	50	48	33	17	7	M6x1.0	5.5	8	48	56	65	38.5	28.5
	10~50																
JS40	5~100	46.5	44.5	29.5	56.5	54.5	39.5	17	7	M6x1.0	5.5	8	54	62	72	38.5	28.5
JS50	10~100	48.5	47.5	30.5	58.5	57.5	40.5	18	8	M8x1.25	6.6	9	67	76	89	43.5	33.5
JS63	10~100	54	53	36	64	63	46	18	8	M10x1.5	9	9	80	92	108	43.5	33.5
JS80	10~100	63.5	64.5	43.5	73.5	74.5	53.5	20	10	M12x1.75	11	11	99	116	134	53.5	43.5
JS100	10~100	75	76	53	85	86	63	22	12	M12x1.75	11	11	117	136	154	53.5	43.5

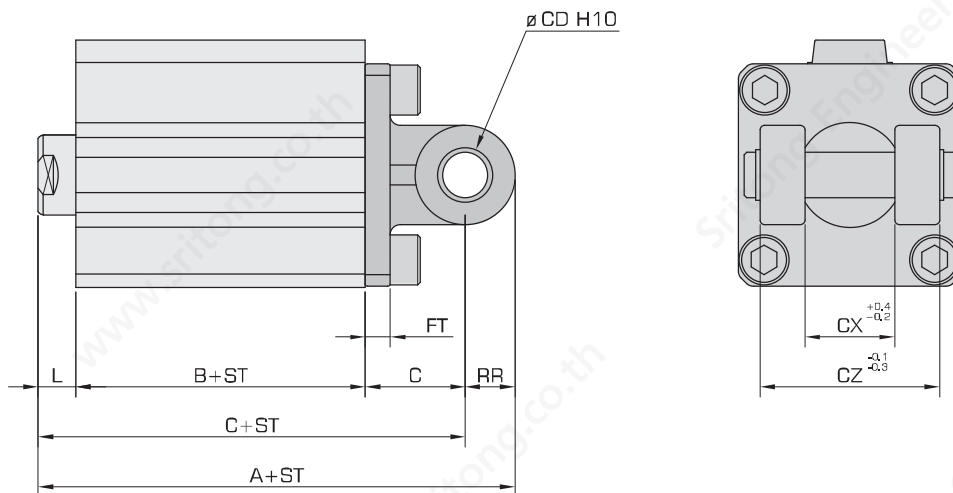
External Dimensions

Clevis(CB)

• $\phi 12 \sim \phi 25$

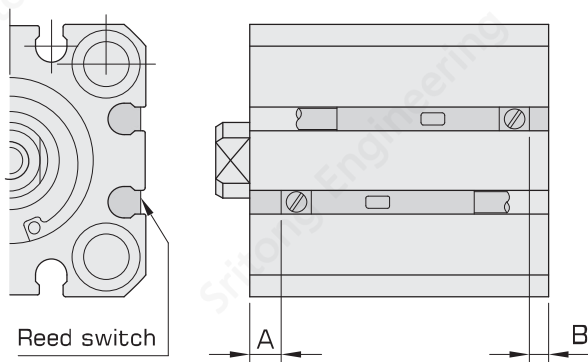


• $\phi 32 \sim \phi 100$

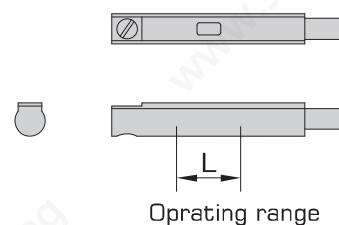


Bore	Stroke (mm)	Basic type			Magnet type			CD	CW	CX	CZ	FT	L	RR
		A	B	C	A	B	C							
$\phi 12$	5~30	40.5	17	34.5	455.5	22	39.5	5	14	5	10	4	3.5	6
$\phi 16$	5~30	41.5	17	35.5	46.5	22	40.5	5	15	6.5	12	4	3.5	6
$\phi 20$	5~50	51	19.5	42	61	29.5	52	8	18	8	16	5	4.5	9
$\phi 25$	5~50	57.5	22.5	47.5	67.5	32.5	57.5	10	20	10	20	5	5	10
$\phi 32$	5~50	60	23	50	70	33	60	10	20	18	36	5	7	10
$\phi 40$	5~100	68.5	29.5	58.5	78.5	39.5	68.5	10	22	18	36	6	7	10
$\phi 50$	10~100	80.5	30.5	66.5	90.5	40.5	76.5	14	28	22	44	7	8	14
$\phi 63$	10~100	88	36	74	98	46	84	14	30	22	44	8	8	14
$\phi 80$	10~100	109.5	43.5	91.5	119.5	53.5	101.5	18	38	28	56	10	10	18
$\phi 100$	10~100	132	53	110	142	63	120	22	45	32	64	13	12	22

External Dimensions

• $\phi 12 \sim \phi 100$ 

• Reed switch: TD-11

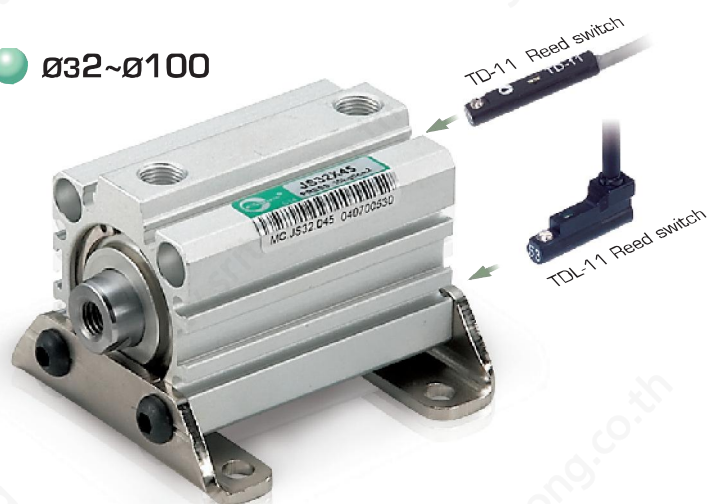


Operating range

Reed switch mounting position

Bore	Dimension A	Dimension B	Operating range L
$\phi 12$	2	4.5	7
$\phi 16$	9	4	7
$\phi 20$	4.5	7	15
$\phi 25$	6.5	8.5	13
$\phi 32$	12	11	8
$\phi 40$	14	13	11
$\phi 50$	16	13	11
$\phi 63$	18.5	15	15
$\phi 80$	22	18.5	18
$\phi 100$	22.5	24.5	21.5

How to install reed switch

• $\phi 12 \sim \phi 25$ • $\phi 32 \sim \phi 100$ 

Features

1. Easy to disassemble and maintain.
2. Various options are available for different applications.
3. Compact, lightweight, and space-saving design makes mounting space smaller than conventional cylinders, and thus the cylinder can be installed even with limited space.
4. Lubrication is not required. Reed switches can be embedded in the cylinder.
5. Piston rod end with options of male thread and female thread for different mounting types.

Specification

Series	JG	JGR
Action	Double acting type	Double acting, magnetic type
Bore	Ø12, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100	
Operating fluid	Compressed air	
Proof pressure	1.2MPa(12kgf/cm ²)	
Operating pressure	0.15~0.97MPa(1.5~9.9kgf/cm ²)	
Piston speed range	50~300mm/sec	
Temperature range	-10°C~ +70°C(not frozen)	
Cushion	Nil	
Lubrication	Apply ISO VG32 or equivalent	
Stroke length tolerance	Standard Stroke: $+1.0_0$	Long Stroke: $+1.4_0$

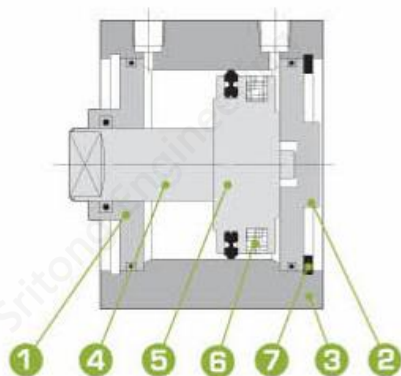
How to order

JG		R	25	X	50			TD-A93	2
Series	Double rod	With magnet	Bore	Stroke	Rod end thread	Adjustable stroke of double rod	Reed switch	Switch quantity	
JG standard type 	Nil Standard (single rod) W Double rod type		Ø12 Ø16 Ø20 Ø25 Ø32 Ø40 Ø50 Ø63 Ø80 Ø100	5~35mm 5~35mm 5~60mm 5~60mm 5~100mm 5~100mm 10~100mm 10~100mm 10~100mm 10~100mm	Nil Female thread B Male thread	Nil without adjustable stroke nut Y10 Adjustable stroke 10mm Y25 Adjustable stroke 25mm	TD-A93 TD-M9N TD-M9P For Ø12~Ø50 TD-A93V TD-M9NV TD-M9PV For Ø12~Ø50 TD-11 TD-11N TD-11P For Ø12~Ø50	1 2 1PC 2PCS	TA-11N TA-11P TA-22 For Ø32~Ø100 TDL-11 TDL-11N TDL-11P For Ø12~Ø50

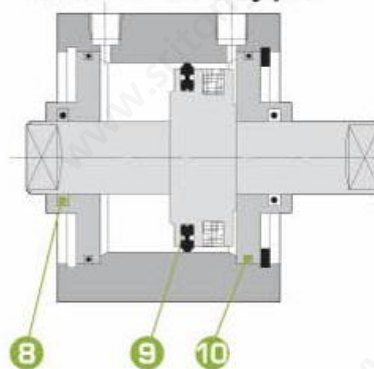
※ Please refer to 3.41.01 ~ 3.43.01 ~ 3.43.03 ~ 3.44.01.

Internal construction

JG double acting type



JGW double acting & double rod type



Part lists

NO.	Description	Material	Qty
①	Front end cover	Hard anodized aluminium alloy	1
②	Rear end cover	Anodized aluminium alloy	1
③	Barrel	Hard anodized aluminium alloy	1
④	Piston rod	Hard chrome plated carbon steel	1
⑤	Piston	Aluminium alloy	1
⑥	Magnet	Resinous magnet	1
⑦	Snap ring	Carbon steel	1
⑧	Piston rod seal	NBR	2
⑨	Piston seal	NBR	1
⑩	End cover seal	NBR	1

Seal lists

Description	8 Piston rod seal	9 Piston seal	10 End cover seal
Bore			
Ø12	DYR06K	APA12	SM8
Ø16	MYA6	APA16	SM12
Ø20	MYA8	APA20	SM20
Ø25	MYA10	APA25	SM22
Ø32	MYA12	APA32	SM28
Ø40	MYA16	APA40	SM36
Ø50	MYA20	APA50	SM46
Ø63	MYA20	APA63	SM60
Ø80	P25	APA80	SM75
Ø100	P30	APA100	SM95

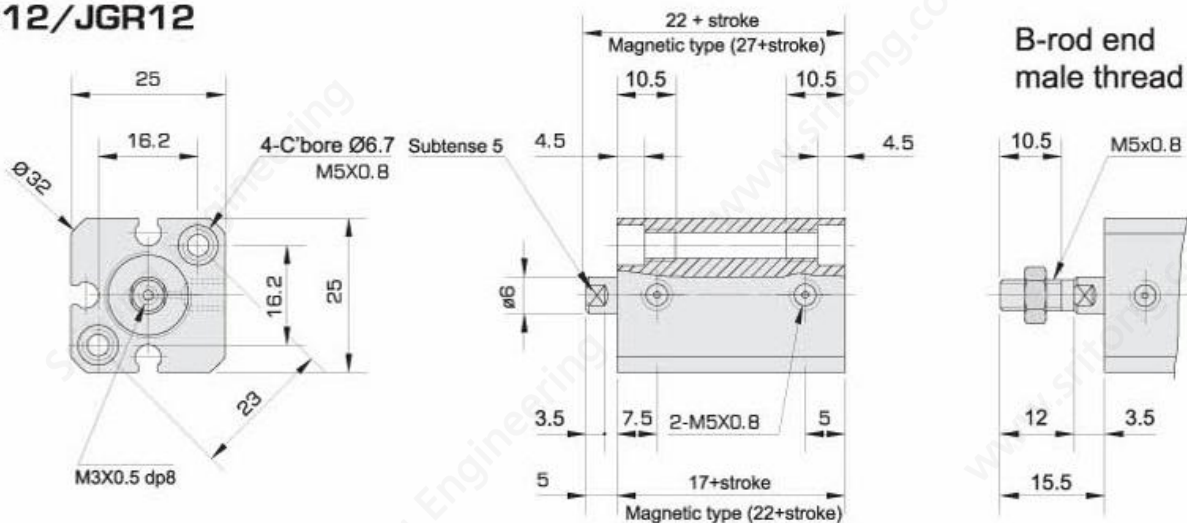
Standard stroke

Action	Bore mm	JG standard stroke												JGR magnetic stroke											
		5	10	15	20	25	30	35	40	50	60	75	100	5	10	15	20	25	30	40	50	75	100		
Double acting type	Ø12	●	●	●	●	●	●	●						●	●	●	●	●							
	Ø16	●	●	●	●	●	●	●						●	●	●	●	●	●						
	Ø20	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●				
	Ø25	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●				
	Ø32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Ø40	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Ø50		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Ø63		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Ø80		●		●	●	●		●	●	●	●	●		●	●	●		●	●	●	●	●		
	Ø100		●		●		●		●	●	●	●	●		●		●		●	●	●	●	●		

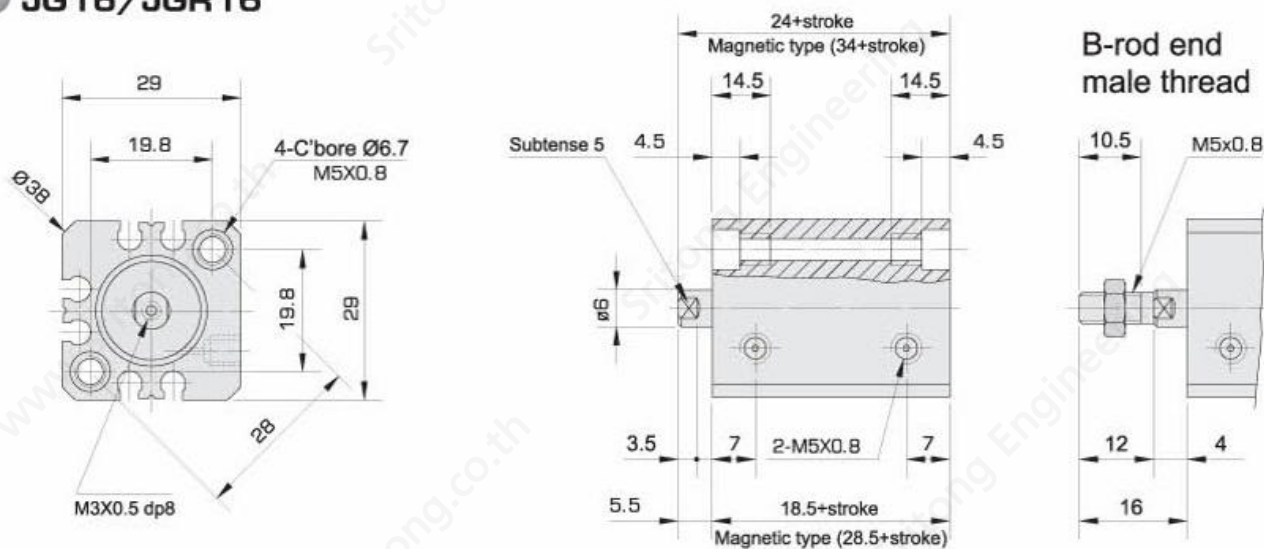
● Single-acting type can be custom-made. Please contact Chanto for details.

External dimensions

JG12/JGR12



JG16/JGR16



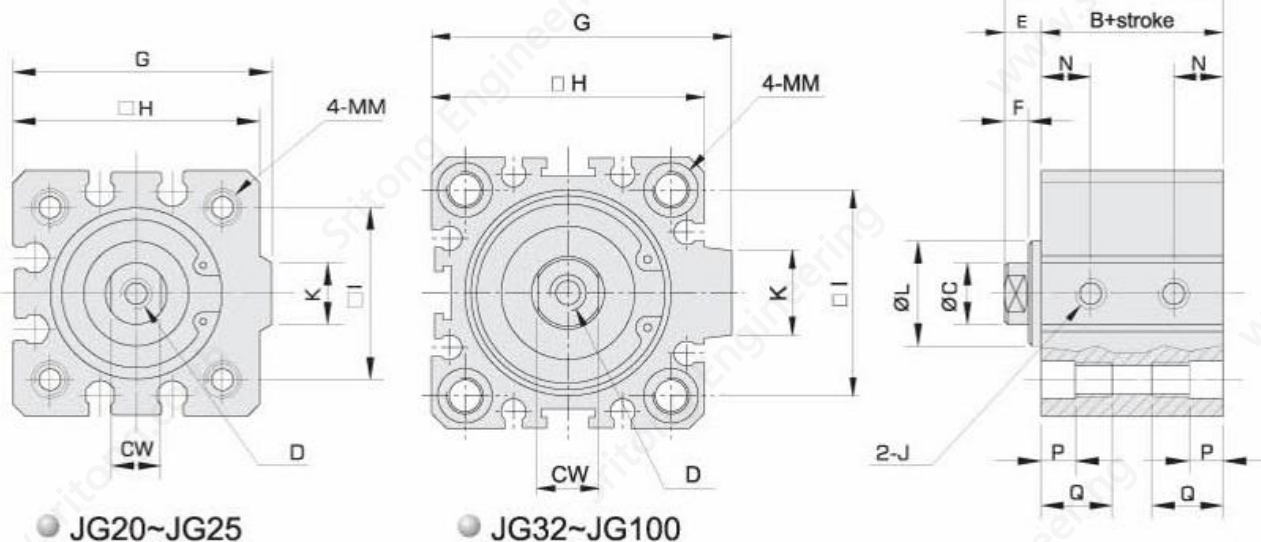
Weight list

Stroke	5	10	15	20	25	30	35	40	50	60	75	100
Model	5	10	15	20	25	30	35	40	50	60	75	100
JG12	31	37	43	50	56	62	69	-	-	-	-	-
JG16	42	51	59	68	76	85	93	-	-	-	-	-
JG20	48	60	73	86	99	111	124	137	162	187	-	-
JG25	72	86	101	115	129	143	157	172	200	228	242	-
JG32	129	146	164	181	199	217	234	252	287	322	375	463
JG40	202	221	240	260	280	299	319	338	377	416	475	572
JG50	-	356	390	423	457	490	-	557	624	691	792	960
JG63	-	493	544	595	647	698	749	800	903	1106	1160	1418
JG80	-	1125	-	1194	-	1262	-	1331	1400	1469	1537	1745
JG100	-	1975	-	2110	-	2245	-	2380	2515	2650	2853	3190

External dimensions

● JG20~100

B-rod end male thread



● JG20~JG25

● JG32~JG100

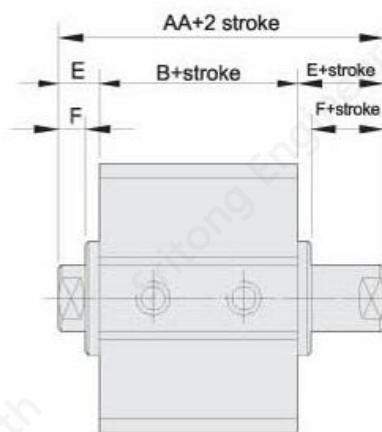
Bore mm	Standard		Magnetic		C	CW	D	E	F	G	H	I	J	K	L	N
	A	B	A	B												
Ø20	26	20	36	30	8	6	M4X0.7 dp8	6	4	36	34	24	M5X0.8	10	15	7.5
Ø25	27	21	37	31	10	8	M5X0.8 dp10	6	4	-	40	28	M5X0.8	-	17	8
Ø32	32	25	42	35	12	10	M6X1.0 dp12	7	5	49.5	45	34	PT1/8"	14	22	9(7)
Ø40	33	26	43	36	16	14	M8X1.25 dp16	7	4	57	52	40	PT1/8"	15	28	10(7.5)
Ø50	36.5	28	46.5	38	20	17	M10X1.5 dp20	8.5	4.5	71	62	48	PT1/4"	18	38	10
Ø63	41	32	51	42	20	17	M10X1.5 dp20	9	5	84.5	75	60	PT1/4"	18	40	12
Ø80	52	41	62	51	25	22	M14X1.5 dp20	11	6	104.5	95	74	PT3/8"	26	45	13
Ø100	-	-	73	61	30	27	M18X1.5 dp20	12	7	124	114	90	PT3/8"	26	55	17

※ The size () in N column is the size when the stroke is 5mm.

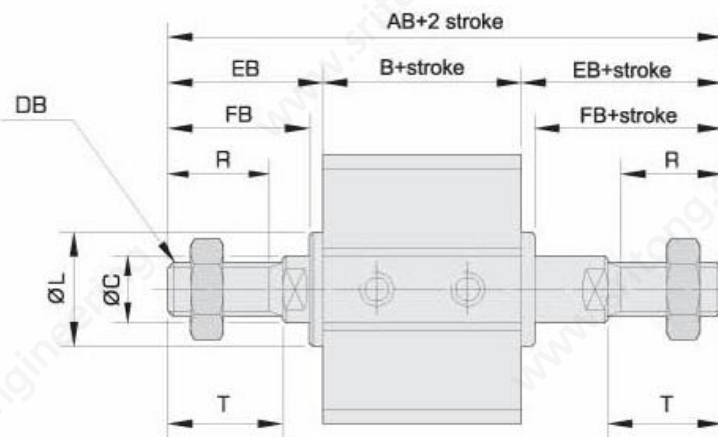
Bore mm	MM	P	Q	R	T	DB	EB	FB
Ø20	Ø4.2 thru(Ø6.7 both sides, M5x0.8 both sides)	4.5	14.5	13	15	M6X1.0	21	19
Ø25	Ø5.2 thru(Ø9 both sides, M6x1.0 both sides)	7	17	15	17	M8X1.25	23	21
Ø32	Ø5.2 thru(Ø9 both sides, M6x1.0 both sides)	7	17	16	18	M10X1.25	25	23
Ø40	Ø6.6 thru(Ø10 both sides, M8x1.25 both sides)	7.5	22.5	25	28	M14X1.5	35	32
Ø50	Ø6.8 thru(Ø11 both sides, M8x1.25 both sides)	8	23	26	28.5	M18X1.5	37	33
Ø63	Ø6.8 thru(Ø11 both sides, M8x1.25 both sides)	8.5	25.5	26	28.5	M18X1.5	37.5	33.5
Ø80	Ø10.3 thru(Ø14 both sides, M12x1.75 both sides)	10.5	27.5	30	33	M22X1.5	44	39
Ø100	Ø11.3 thru(Ø17.5 both sides, M14x2.0 both sides)	13	27	35	38	M26X1.5	50	45

External dimensions

● JGW20~100 double rod type



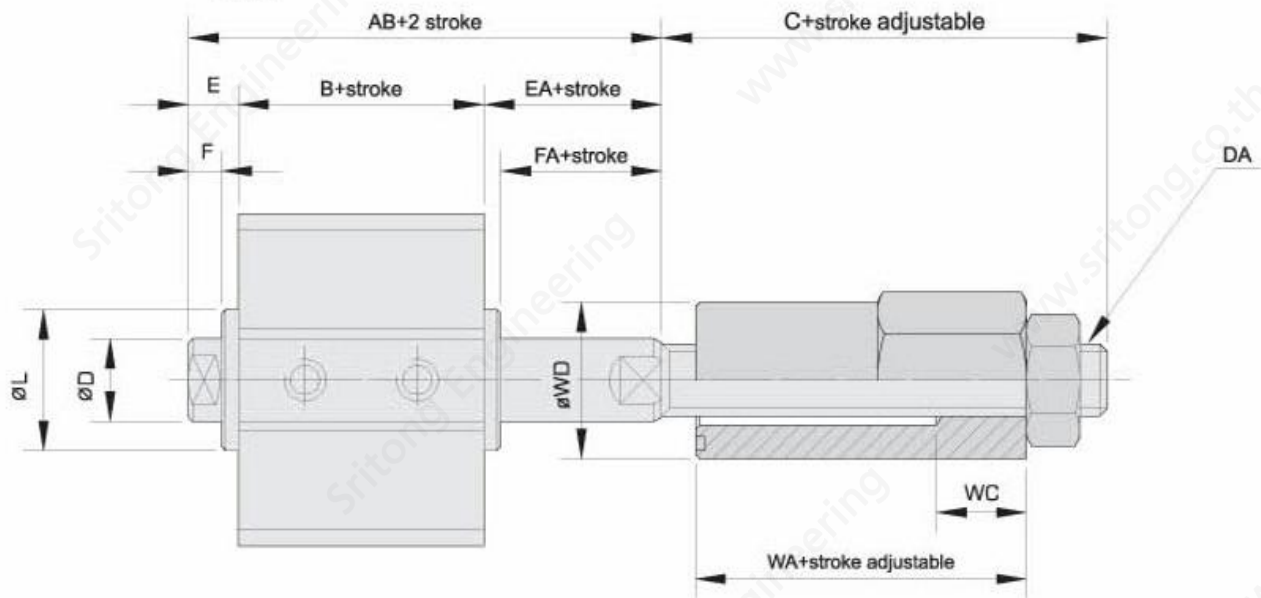
B-rod end male thread



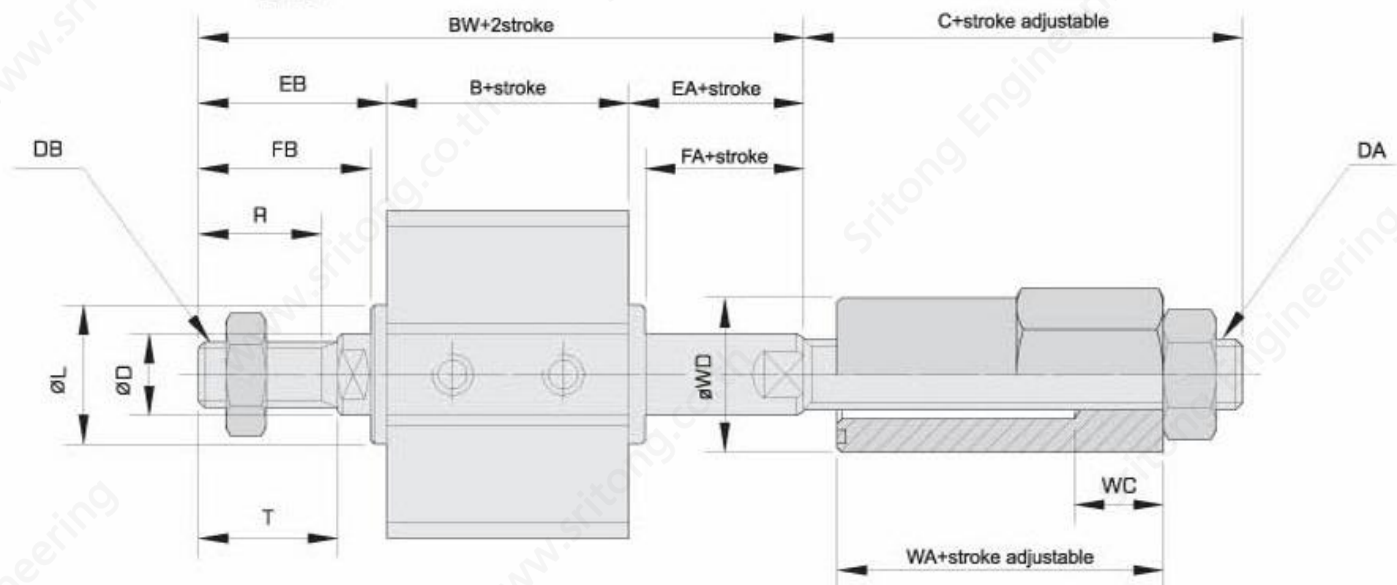
Bore mm	Standard			Magnetic			C	E	F	L	R	T	DB	EB	FB
	AA	AB	B	AA	AB	B									
Ø20	33	63	20	43	73	30	8	6.5	4.5	15	13	15	M6X1.0	21.5	19.5
Ø25	33	67	21	43	77	31	10	6	4	17	15	17	M8X1.25	23	21
Ø32	39	75	25	49	85	35	12	7	5	22	16	18	M10X1.25	25	23
Ø40	40	96	26	50	106	36	16	7	4	28	25	28	M14X1.5	35	32
Ø50	46	102	28	56	112	38	20	9	5	38	25	28	M18X1.5	37	33
Ø63	50	106	32	60	116	42	20	9	5	40	25	28	M18X1.5	37	33
Ø80	63	129	41	73	139	51	25	11	6	45	30	33	M22X1.5	44	39
Ø100	—	—	—	85	161	61	30	12	7	55	35	38	M26X1.5	50	45

External dimensions

- Double rod type – adjustable stroke $\frac{10}{25}$ mm(female thread rod end):
JGW□□X□□Y10
Y25



- Double rod type – adjustable stroke $\frac{10}{25}$ mm(male thread rod end):
JGW□□X□□B Y10
Y25



Bore mm	Standard			Magnetic			C	ØD	E	F	EA	FA	EB	FB	ØL	R	T	DA	DB	WA	WC	ØWD
	B	A	BW	B	A	BW																
Ø20	20	33	48	30	43	58	15	8	6.5	4.5	6.5	4.5	21.5	19.5	15	13	15	M6X1.0	M6X1.0	12	7	17
Ø25	21	33	50	31	43	60	20	10	6	4	6	4	23	21	17	15	17	M8X1.25	M8X1.25	17	10	21
Ø32	25	41	59	35	51	69	25	12	7	5	9	7	25	23	22	16	18	M10X1.25	M10X1.25	20	10	21
Ø40	26	46	74	36	56	84	30	16	7	4	13	10	35	32	28	25	28	M12X1.25	M14X1.5	30	15	29
Ø50	28	47	75	38	57	85	35	20	9	5	10	6	37	33	38	25	28	M16X1.5	M18X1.5	35	15	34.6
Ø63	32	50	78	42	60	88	35	20	9	5	9	5	37	33	40	25	28	M16X1.5	M18X1.5	35	15	34.6
Ø80	41	63	96	51	73	106	40	25	11	6	11	6	44	39	45	30	33	M20X1.5	M22X1.5	42	20	41
Ø100	-	-	-	61	85	123	40	30	12	7	12	7	50	45	55	35	38	M26X1.5	M26X1.5	35	20	50