

Small size, high output. Suitable for limited space



Features

1. 3 layers internal design can reach twice output. It can be used in the limited space with high output.
2. Ultra-thin design with light weight. The space requirement is smaller than traditional cylinders.
3. There are two options of rod end thread and can be used in different design.
4. Various options for selection.
5. Twice output.
6. Non-lubricated design for all series.

Specification

Series	JSD
Action	Double acting type
Bore	Ø63、Ø80、Ø100
Operating fluid	Compressed air
Proof pressure	1.47MPa (15kgf/cm ²)
Operating pressure	0.15~0.97MPa(1.5~9.9kgf/cm ²)
Piston speed range	50~500mm/sec
Temperature range	-10°C~ +70°C(not frozen)
Cushion	Nil
Lubrication	Not required
Stroke length tolerance	Standard Stroke: $\begin{matrix} +1.0 \\ 0 \end{matrix}$

How to order

JSD	80	X	20	B	LB				
Series	Bore		Stroke	Rod end thread	Mounting type				
JSD standard type 	Ø63 Ø80 Ø100		10、20、30mm 10、20、30mm 10、20、30mm		<table border="1"> <tr> <td>LB Foot bracket </td> <td>FB Rear flange </td> </tr> <tr> <td>FA Front flange </td> <td>CB Double clevis </td> </tr> </table>	LB Foot bracket 	FB Rear flange 	FA Front flange 	CB Double clevis
LB Foot bracket 	FB Rear flange 								
FA Front flange 	CB Double clevis 								

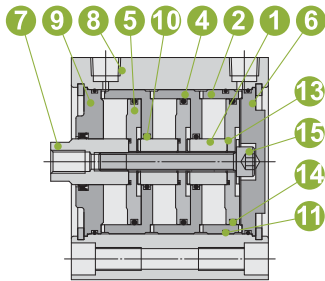
Theoretical output

Bore (mm)	Rod (mm)	Operation	Pressurized area (cm ²)	Operating pressure MPa (kgf/cm ²)		
				4	5	6
Ø63	Ø20	OUT	65	260	325	390
		IN	61	247	309	370
Ø80	Ø25	OUT	105	422	528	633
		IN	100	402	503	604
Ø100	Ø30	OUT	176	706	883	1060
		IN	169	678	848	1017

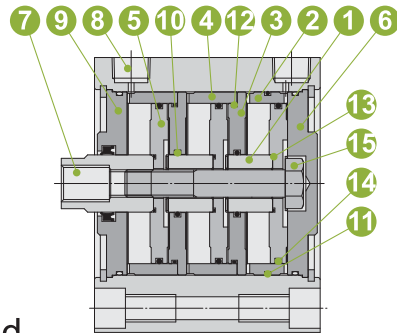
(N)

Internal construction

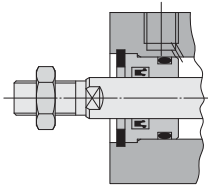
JSD63



JSD80~100

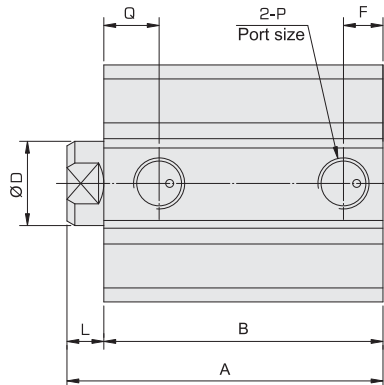
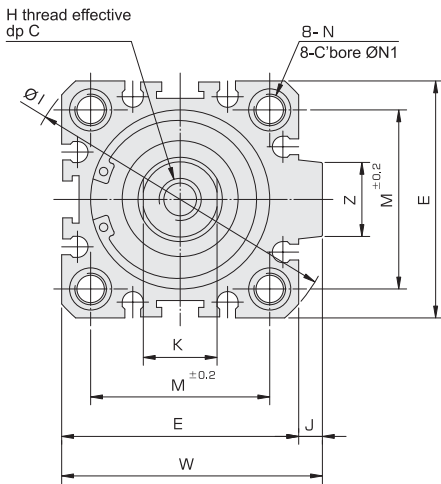


Rod end male thread

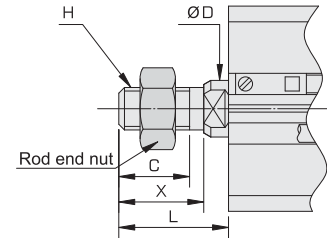


External dimensions

Standard type



Rod end male thread



Rod end male thread Unit : mm

Bore (mm)	C	X	øD	H	L
Ø63	26	28.5	20	M18X1.5	39.5
Ø80	32.5	35.5	25	M22X1.5	48
Ø100	32.5	35.5	30	M26X1.5	52

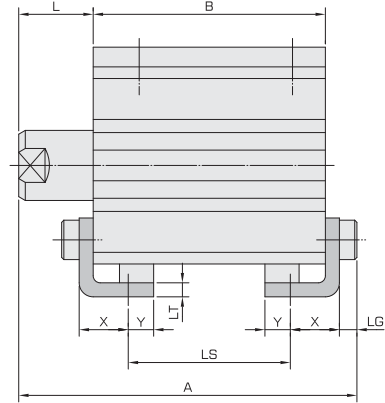
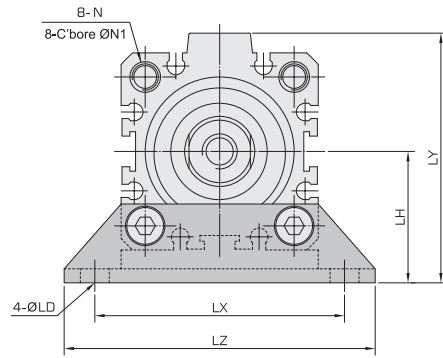
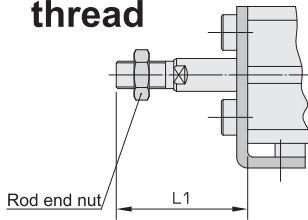
Bore (mm)	Stroke (mm)	Standard		C	ØD	E	F	H	øI	J	K	L	M	N	øN1	P	Q	W	Z
		A	B																
Ø63	10	95	86	15	20	77	10.5	M10X1.5	103	7	18	9	60	M10X1.5	14 dp10.5	Rc(PT)1/4"	15	84	22
	20	130	121																
	30	155	146																
Ø80	10	113	98.5	21	25	98	12.5	M16X2.0	130	6	22	14.5	77	M12X1.75	17.5 dp13.5	Rc(PT)3/8"	16	104	26
	20	143	128.5																
	30	173	158.5																
Ø100	10	123.5	108	27	30	117	15	M20X2.5	156	6.5	27	15.5	94	M12X1.75	17.5 dp13.5	Rc(PT)3/8"	23	123.5	26
	20	153.5	138																
	30	183.5	168																

External dimensions

● Foot mounting (LB)

- Ø63~Ø100

● Rod end male thread

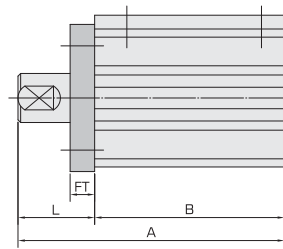
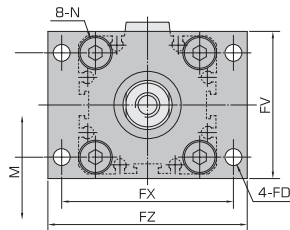
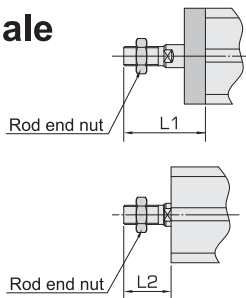


Bore (mm)	Stroke (mm)	A	B	L	L1	N	N1	X	Y	ØLD	LG	LH	LT	LX	LY	LZ
Ø63	10	113.5	86	19	44.5	M10X1.5	Ø14 dp10.5	16.2	9	11	5	46	3.2	95	91.5	113
	20	148.5	121													
	30	173.5	146													
Ø80	10	129.5	98.5	19.5	53	M12X1.75	Ø17.5 dp13.5	19.5	11	13	7	59	4.5	118	114	140
	20	159.5	128.5													
	30	189.5	158.5													
Ø100	10	141.5	108	20.5	57	M12X1.75	Ø17.5 dp13.5	23	12.5	13	7	71	6	137	136	162
	20	171.5	138													
	30	201.5	168													

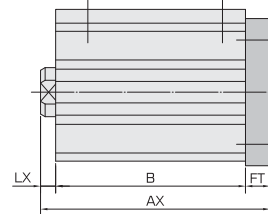
● Front flange mounting type (FA/FB)

- Ø63~Ø100

● Rod end male thread



● Rear flange mounting type (FB)



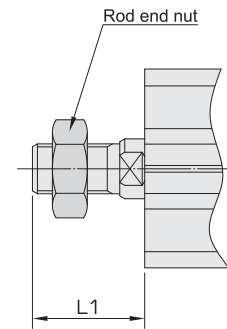
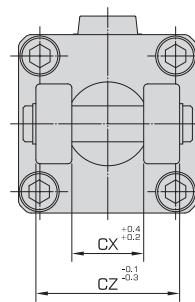
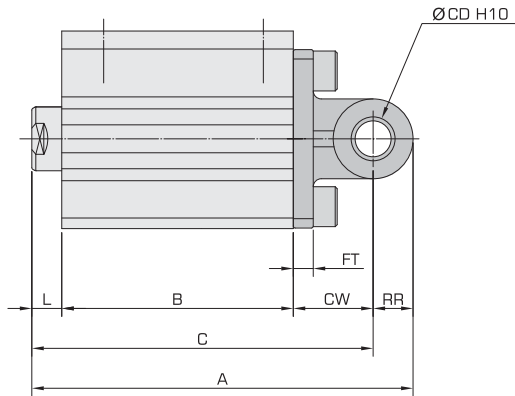
Bore (mm)	Stroke (mm)	A	AX	B	L	LX	N	ØFD	FT	FV	FX	FZ	L1	L2	M
Ø63	10	105	104	86	19	9	M10X1.5	9	9	80	92	108	44.5	39.5	60
	20	140	139	121											
	30	165	164	146											
Ø80	10	118	124	98.5	19.5	14.5	M12X1.75	11	11	99	116	134	53	48	77
	20	148	154	128.5											
	30	178	184	158.5											
Ø100	10	128.5	134.5	108	20.5	15.5	M12X1.75	11	11	117	136	154	57	52	94
	20	158.5	164.5	138											
	30	188.5	194.5	168											

External dimensions

● Double clevis(CB)

- Ø63~Ø100

● Rod end male thread



Bore (mm)	Stroke (mm)	A	B	C	CD	CW	CX	CZ	FT	L	L1	RR
Ø63	10	139	86	125	14	30	22	44	8	9	39.5	14
	20	174	121	160								
	30	199	146	185								
Ø80	10	151	98.5	169	18	38	28	56	10	14.5	48	18
	20	181	128.5	199								
	30	211	158.5	299								
Ø100	10	168.5	108	190.5	22	45	32	64	13	15.5	52	22
	20	198.5	138	220.5								
	30	228.5	168	250.5								