

JSC3 Series

● $\phi 40$ to $\phi 100$

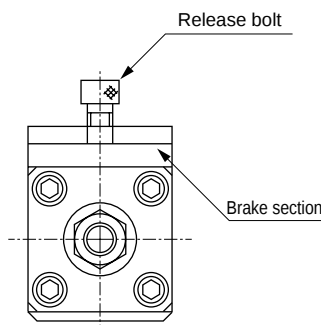
Mounting bracket material

Mounting style	Material	Remarks
LB	Steel	Paint
FA/FB	Steel	Paint
CA/CB	Cast iron	Paint
TC	Cast iron	Paint

Release bolt size (hexagon socket head cap bolt)

Bore size	Size	
	JSC3	JSC3-V
$\phi 40, \phi 50$	M10 x 8	M10 x 29
$\phi 63$	M12 x 9	M12 x 30
$\phi 80$	M14 x 10	M14 x 31
$\phi 100$	M16 x 12	M16 x 40

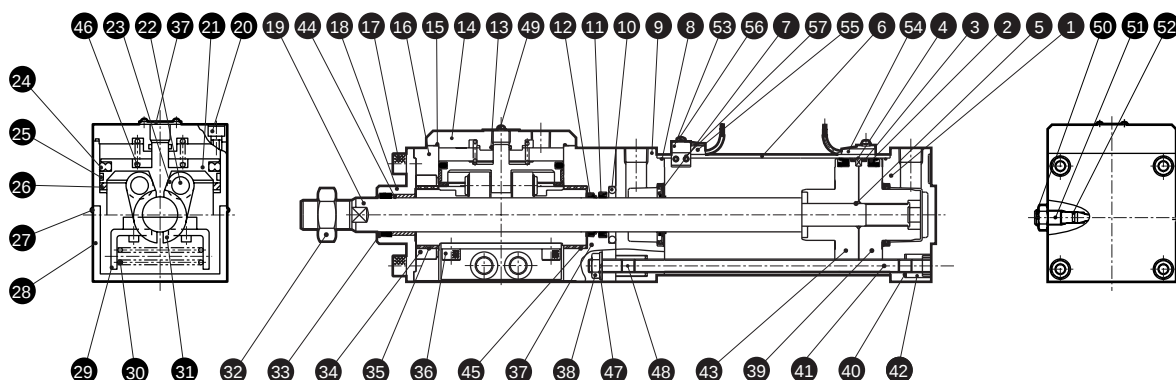
Manual brake release method



Note: Method of brake release

- The brakes are released by screwing the release bolt (enclosed with product) into the female threads (side of brake release port) on the top of the brakes in two to three rotations.
(Remove the release bolt during normal use.)
- Use the release bolt enclosed with the product when manually releasing the brakes. The brakes could be damaged when other bolts are used.

Internal structure and parts list



Products No.	Parts name	Material	Remarks	Products No.	Parts name	Material	Remarks
1	Head cover	Aluminum alloy die-casting	Paint	28	Cover	Steel	Paint
2	Piston packing seal	Nitrile rubber		29	Spring holder	Steel	Zinc chromate
3	Wear ring	Polyacetal resin		30	Spring	Steel	
4	Magnet	Plastic		31	Brake shoe metal	Cast iron	Nickeling
5	Piston gasket	Nitrile rubber		32	Rod nut	Steel	Zinc chromate
6	Cylinder tube	Aluminum alloy	Hard alumite	33	Dust wiper	Nitrile rubber	
7	Cushion packing seal	Nitrile rubber		34	DU ring	Steel	Blackening
8	Cylinder gasket	Nitrile rubber		35	Bush	Oil impregnated bearing alloy	
9	Rod cover	Aluminum alloy die-casting	Paint	36	Hexagon socket head cap bolt	Alloy steel	Blackening
10	Metal seal	Nitrile rubber		37	Dust cover	Aluminum alloy	Paint
11	Rod packing seal	Nitrile rubber		38	Hexagon nut	Steel	Blackening
12	Dust wiper	Nitrile rubber		39	Piston H	Aluminum alloy die-casting	
13	Cap gasket A	Nitrile rubber		40	Tie rod	Steel	Zinc chromate
14	Main body cap	Cast iron	Nitriding	41	Conical spring washer	Steel	Blackening
15	Cap gasket B	Nitrile rubber		42	Round nut	Steel	Zinc chromate
16	Brake	Aluminum alloy casting	Alumite	43	Piston R	Aluminum alloy die-casting	
17	Hexagon socket head cap bolt	Alloy steel	Blackening	44	Bush B	Oil impregnated bearing alloy	
18	Rod bushing	Steel	Phosphoric acid mangan	45	Thrust washer		
19	Piston rod	Steel	Industrial chrome plating	46	Spring	Steel	Paint
20	Hexagon socket head cap bolt	Alloy steel	Blackening	47	Toothed washer	Steel	Blackening
21	Piston for brake	Cast iron	Phosphoric acid mangan	48	Hexagon socket head set screw	Alloy steel	Blackening
22	Parallel pin	Steel		49	Washer assembly cross headed pan	Steel	Zinc chromate
23	Bearing			50	Cushion needle	Copper alloy	
24	Piston packing seal B	Nitrile rubber		51	Needle nut	Copper alloy	
25	Wear ring	Polyacetal resin		52	Needle gasket	Nitrile rubber	
26	Cushion rubber	Urethane rubber		With switch			
27	Cross headed pan	Steel	Zinc chromate	53	Switch installation unit	Aluminum alloy	
Repair parts list				54	Switch holder	Aluminum alloy	
Bore size (mm)	Kit No.	Repair parts number		55	Cross headed pan	Steel	Zinc chromate
$\phi 40$	JSC3- 40K			56	Hexagon socket head set screw	Alloy steel	Blackening
$\phi 50$	JSC3- 50K	2 3 7 8		57	Cylinder switch		
$\phi 63$	JSC3- 63K						
$\phi 80$	JSC3- 80K	10 11 12 33 55					
$\phi 100$	JSC3-100K						

Note: Specify the kit No. when placing an order.

● $\phi 125$ to $\phi 180$

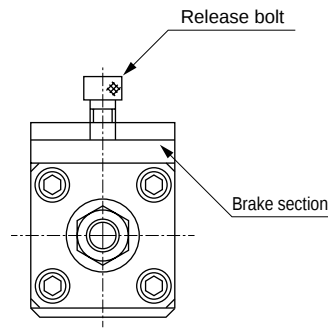
Mounting bracket material

Mounting style	Material	Remarks
LB	Steel	Paint
FA	Carbon steel	Phosphate coating
CA	Cast iron	Paint
CB	Cast iron	Paint
TC/TA/TB	Cast iron	Paint
FB	Carbon steel	Paint

Release bolt size (hexagon socket head cap bolt)

Bore size	Size
$\phi 125$	M24 x 16 and over
$\phi 140$	M24 x 20 and over
$\phi 160$	M24 x 20 and over
$\phi 180$	M24 x 24 and over

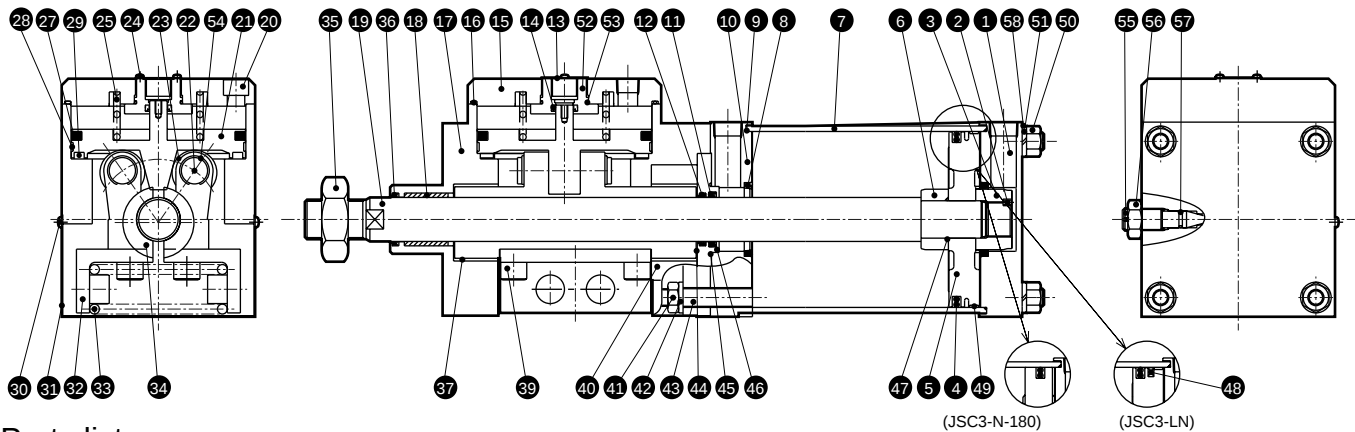
Manual brake release method



Note: Method of brake release

- The brakes are released by screwing the release bolt (enclosed with product) into the female threads (side of brake release port) on the top of the brakes in two to three rotations.
- (Remove the release bolt during normal use.)
- Use the release bolt enclosed with the product when manually releasing the brakes. The brakes could be damaged when other bolts are used.

Internal structure and parts list



Parts list

No.	Parts name	Material	Remarks	No.	Parts name	Material	Remarks
1	Head cover	Steel	Zinc chromate	29	Cushion rubber	Urethane rubber	
2	Hexagon socket head set screw	Alloy steel	Blackening	30	Cross headed pan	Steel	Zinc chromate
3	Cushion ring (A)	Steel	Zinc chromate	31	Cover	Steel	Paint
4	Piston packing seal	Nitrile rubber		32	Spring holder	Steel	Phosphoric acid mangan
5	Piston	$\phi 125$ to $\phi 160$ Aluminum alloy, $\phi 180$ Cast iron		33	Spring	Steel	Blackening
6	Cushion ring (B)	Steel	Zinc chromate	34	Brake shoe metal	Cast iron	Nickeling
7	Cylinder tube	Steel	Paint, industrial chrome plating	35	Rod nut	Steel	Zinc chromate
8	Cushion packing seal	Nitrile rubber, steel		36	Dust wiper	Nitrile rubber	
9	Cylinder gasket	Nitrile rubber		37	Bush A	DU dry bearing	
10	Rod cover	Steel	Zinc chromate	39	Hexagon socket head cap bolt	Alloy steel	Blackening
11	Rod packing seal	Nitrile rubber		40	Ring	Steel	Blackening
12	Dust wiper	Nitrile rubber		41	Hexagon nut	Steel	Zinc chromate
13	Dust cover	Aluminum alloy	Alumite	42	Toothed washer	Steel	Zinc chromate
14	Rod packing seal	Nitrile rubber		43	Tie rod	Steel	Zinc chromate
15	Main body cap	Cast iron	Alumite	44	Thrust washer	Steel	
16	Cap gasket	Nitrile rubber		45	Metal gasket	Nitrile rubber	
17	Brake	Aluminum casting	Alumite	46	Rod bushing	Cast iron	Zinc chromate
18	Bush B	Oil impregnated bearing alloy		47	Piston gasket	Nitrile rubber	
19	Piston rod	Steel	Industrial chrome plating	48	Magnet	Rubber	Only JSC3-LN
20	Hexagon socket head cap bolt	Alloy steel	Blackening	49	Wear ring	Polyacetal resin	
21	Piston for brake	Cast iron	Phosphoric acid mangan	50	Hexagon nut	Steel	Zinc chromate
22	Bearing pin	Steel		51	Spring washer	Steel	Zinc chromate
23	Bearing	-		52	Main body cap	Cast iron	Phosphoric acid mangan
24	Washer assembly cross headed pan	Steel	Zinc chromate	53	O ring	Nitrile rubber	
25	Spring	Steel	Paint	54	E type snap ring	Steel	Zinc chromate
27	Piston packing seal B	Nitrile rubber		55	Cushion needle	Steel	Zinc chromate
28	Wear ring	Polyacetal resin		56	Needle nut	Steel	Zinc chromate
				57	Needle gasket	Nitrile rubber	
				58	Plain washer	Steel	Zinc chromate

Note 1: With JSC3-LN-125 to 160, the (7) cylinder tube is made of aluminum alloy, and the (48) magnet is built in.

Note 2: With JSC3-LN-180, the (5) piston and (7) cylinder tube are made of aluminum alloy, and the (48) magnet and (49) wear ring are built in.

Repair parts list

● JSC3-N/JSC3-N (excluding $\phi 180$)

Bore size (mm)	Kit No.	Repair parts number
$\phi 125$	JSC3-N-125K	4 8 9 11 12
$\phi 140$	JSC3-N-140K	36 45 49 57
$\phi 160$	JSC3-N-160K	
$\phi 180$	JSC3-LN-180K	

● JSC3-N

Bore size (mm)	Kit No.	Repair parts number
$\phi 180$	JSC3-N-180K	4 8 9 11 12 36 45 57

SCP*2
CMK2
CMA2
SCM
SCG
SCA2
SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*
FC*
STK
ULK*
JSK/M2
JSG
JSC3
USSD
USC
JSB3
LMB
STG
STS/L
LCS
LCG
LCM
LCT
LCY
STR2
UCA2
HCM
HCA
SRL2
SRG
SRM
SRT
MRL2
MRG2
SM-25
CAC3
UCAC
RCC2
MFC
SHC
GLC
Ending

Brake cylinder (medium and large bore size)
With brake