

Air Cylinder/With End Lock

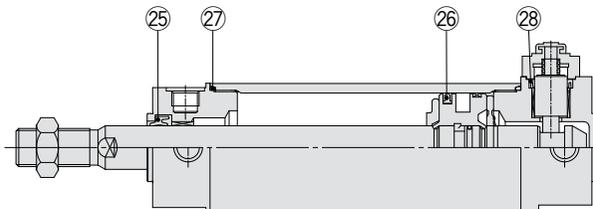
Series CBG1

ø20, ø25, ø32, ø40
ø50, ø63, ø80, ø100

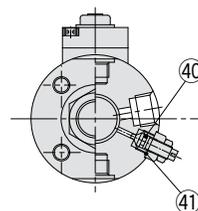
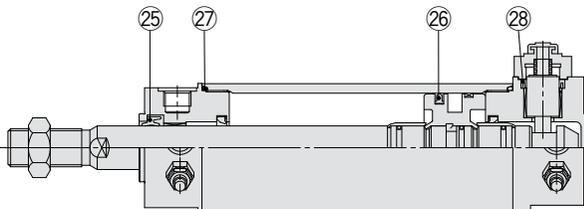
Replacement
Procedure is
P.281

Construction

Head end lock with rubber bumper



Head end lock with air cushion



* The numbers are the same as the "Construction" of the Best Pneumatics No.2 Series CBG1.
*[BLUE](#) links will lead to purchase pages.

Seal Kit List

No.	Description	Material	Note
25	Rod seal	NBR	
26	Piston seal		
27	Cylinder tube gasket		1 pc. at the time of tube cover use
28	Lock piston seal		2 pcs. with locking at both ends

Replacement Parts: Seal Kit

Series	Bore size (mm)	Kit no.	Contents
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Locking at head or rod end

CBG1□N Rubber bumper type	20	CBG1N20-PS	Above no.
	25	CBG1N25-PS	25, 26, 27, 28.
	32	CBG1N32-PS	And a grease pack.
	40	CBG1N40-PS	

Locking at both ends

CBG1□N Rubber bumper type	20	CBG1N20-PS-W	Above no.
	25	CBG1N25-PS-W	25, 26, 27, 28.
	32	CBG1N32-PS-W	And a grease pack.
	40	CBG1N40-PS-W	

Note) Order with a part number for each type and bore size.

* The seal kit includes a grease pack (10 g).

Order with the following part number when only the grease pack is needed.

Grease pack part no.: GR-S-010 (10 g)

Seal Kit List

No.	Description	Material	Note
25	Rod seal	NBR	
26	Piston seal		
27	Cylinder tube gasket		1 pc. at the time of tube cover use
28	Lock piston seal		2 pcs. with locking at both ends
40	Valve seal		
41	Valve retainer gasket		

Replacement Parts: Seal Kit

Series	Bore size (mm)	Kit no.	Contents
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Locking at head or rod end

CBG1□A Air cushion type	20	CBG1A20-PS	Above no.
	25	CBG1A25-PS	25, 26, 27, 28,
	32	CBG1A32-PS	40, 41. And a
	40	CBG1A40-PS	grease pack.

Locking at both ends

CBG1□A Air cushion type	20	CBG1A20-PS-W	Above no.
	25	CBG1A25-PS-W	25, 26, 27, 28,
	32	CBG1A32-PS-W	40, 41. And a
	40	CBG1A40-PS-W	grease pack.

Note) Order with a part number for each type and bore size.

* The seal kit includes a grease pack (10 g).

Order with the following part number when only the grease pack is needed.

Grease pack part no.: GR-S-010 (10 g)

Disassembly/Replacement

⚠ Caution

1. Do not replace the bushings.

The bushings are press-fit. To replace them, they must be replaced together with the cover assembly.

2. To replace a seal, apply grease to the new seal before installing it.

If the cylinder is put into operation without applying grease to the seal, it could cause the seal to wear significantly, leading to premature air leakage.

3. Cylinders with ø50 or larger bore sizes cannot be disassembled.

When disassembling cylinders with bore sizes ø20 through ø40, grip

the double flat part of either the head cover or the rod cover with a vise and loosen the other side with a wrench or a monkey wrench, etc., and then remove the cover. When re-tightening, tighten approximately 2 degrees more than the original position.

(Cylinders with ø50 or larger bore sizes are tightened with a large tightening torque and cannot be disassembled. If disassembly is required, please contact SMC.)

Disassembly in a locked state, may cause damage to the lock parts, it is recommended to work in the unlocked position.