

Air Cylinder/Standard Type: Double Acting, Double Rod

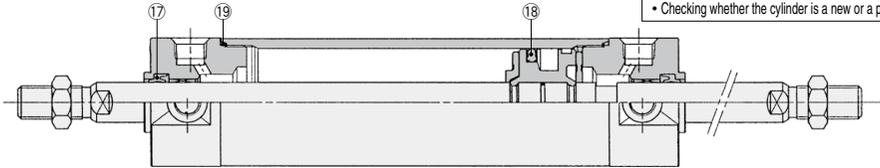
CG1W Series

∅20, ∅25, ∅32
∅40, ∅50, ∅63
∅80, ∅100

The Replacement Procedure is on p. 378

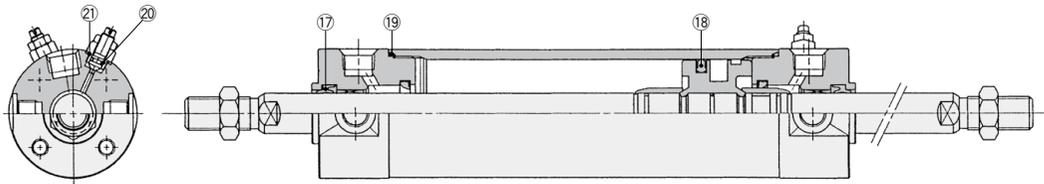
Construction

With rubber bumper



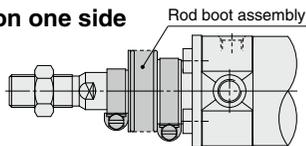
The production of this series has been discontinued. Check the following before ordering.
• New series CG1W-Z → p. 27
• Checking whether the cylinder is a new or a previous model → p. 769, 770

With air cushion

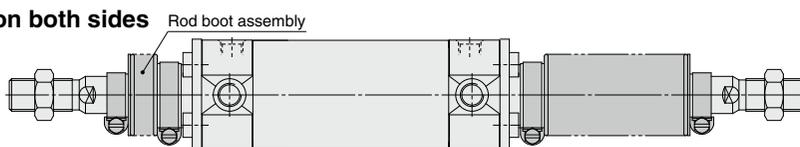


* The numbers correspond with those in the "Construction" of the CG1W series in the Web Catalog.

With rod boot on one side



With rod boot on both sides



* Replaceable with the rod boot assembly
For details on replacement part numbers, refer to page 244.

Seal Kit List

No.	Description	Material	Note
17	Rod seal	NBR	
18	Piston seal		
19	Tube gasket		
20	Valve seal		
21	Valve retainer gasket		

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 ∅50 or larger bore sizes cannot be disassembled.

When disassembling cylinders with bore sizes ∅20 through ∅40, grip the double flat part of either 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 ∅50 or larger bore sizes are tightened with a large tightening torque and cannot be disassembled. If disassembly is required, please contact SMC.)

Replacement Parts: Seal Kit

Bore size (mm)	Part no.	Contents
With rubber bumper		
20	CG1WN20-PS	Set of nos. 17, 18, 19
25	CG1WN25-PS	
32	CG1WN32-PS	
40	CG1WN40-PS	
With air cushion		
20	CG1WA20-PS	Set of nos. 17, 18, 19, 20, 21
25	CG1WA25-PS	
32	CG1WA32-PS	
40	CG1WA40-PS	

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 required.

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