

Air Cylinder/Standard Type: Double Acting, Double Rod

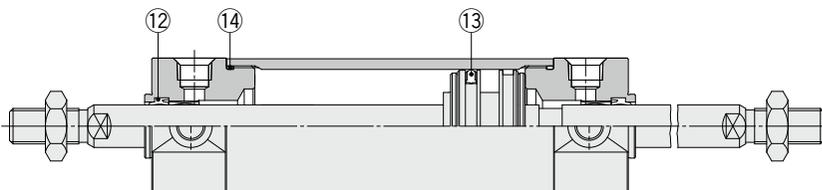
CG1W-Z Series

ø20, ø25
ø32, ø40
ø50, ø63
ø80, ø100

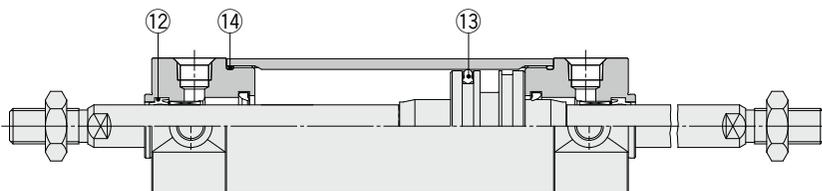
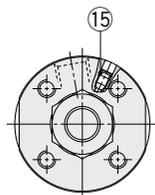
The Replacement Procedure is on p. 378

Construction

With rubber bumper

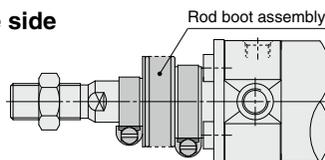


With air cushion

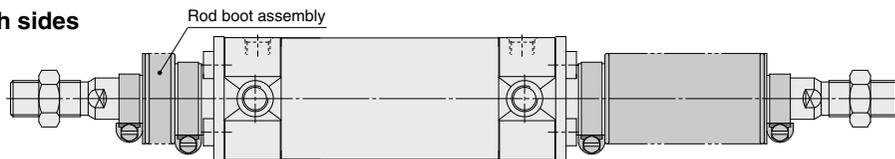


* The numbers correspond with those in the "Construction" of the CG1W-Z series in the **Web Catalog**.

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
12	Rod seal	NBR	15 is a non-replaceable part, so it is not included in the seal kit.
13	Piston seal		
14	Tube gasket		
15	Valve seal		

Replacement Parts: Seal Kit

Bore size (mm)	Part no.	Contents
20	CG1WN20Z-PS	Set of nos. 12, 13, 14
25	CG1WN25Z-PS	
32	CG1WN32Z-PS	
40	CG1WN40Z-PS	

* 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)

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.)