

GWB 34-80

Piston rod spare parts package

Repair Instructions

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Superior Clamping and Gripping



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Technical changes

We reserve the right to make alterations for the purpose of technical improvement.

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1 Intended use

If the product can no longer be fully opened or closed, a component part may be damaged. The cause for this defect is often a collision. After a collision, the gripper fingers and base jaw may also be damaged.

2 Scope of Delivery

Designation	GWB				
	34	44	54	64	80
Piston rod [pcs.]	1	1	1	1	1
Pin [pcs.]	2	2	2	2	2
ETP finger [pcs.]	1	1	1	1	1
Complete sealing kit [pcs.]	1	1	1	1	1

3 Applicable documents

- Catalog data sheet of the product *
- Assembly and operating manual of the product *

The documents marked with an asterisk (*) can be downloaded on our homepage www.schunk.com.

4 Notes on particular risks



WARNING

Risk of injury due to sudden movements!

If the energy supply is switched on or if residual energy is still present in the system, this can cause components to move unexpectedly, which may result in serious injuries.

- Switch off energy supply and secure against re-connection.
- Ensure that no residual energy remains in the system.



WARNING

Risk of injury due to spring forces!

Products that use spring force or have gripping force maintenance contain parts that are under spring tension. This can cause components to move unexpectedly when being dismantled, which may result in serious injuries.

- Carefully dismantle the product.

5 Tools/auxiliary tools

- Hexagon socket wrench
- Clamping device

6 Recommended lubricants

Lubricant point	Lubricant
Metallic sliding surfaces	Molykote BR 2 plus
All seals	Renolit HLT 2
Bores on the piston	Renolit HLT 2

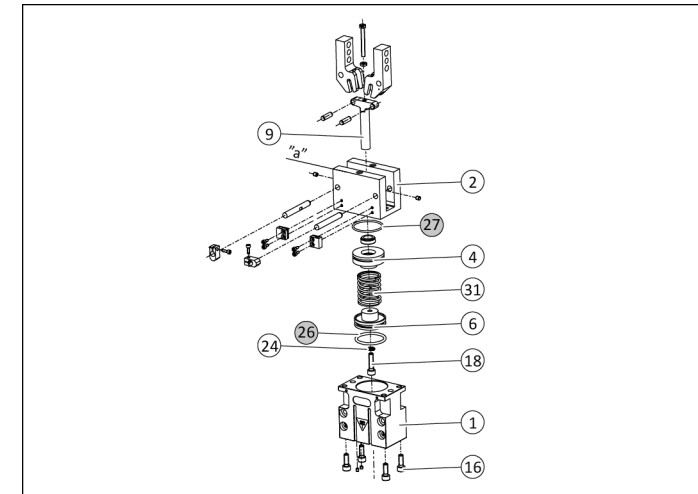
7 Tightening torque

Item	Designation	GWB				
		34	44	54	64	80
16	Screw [Nm]	0.68	3.1	3.1	6.1	10
18	Screw [Nm]	2.1	5.3	5.3	11	18

8 Threadlocker

If not stated otherwise, screws can be secured using Loctite 243 or a similar adhesive.

9 Changing the piston rod



Dismantling

- Remove all compressed air lines.
- Disassemble gripper from the machine/automated system.
- Remove screws (16) and separate covering housing (2) from the housing (1).
- Clamp gripper between "a" and cylinder piston (6) into a clamping device in such a way that the screw (18) can still be loosened.
- **WARNING! The parts are under spring tension!** Carefully remove the screw (18) and the underlying sealing disk (24). Slowly relieve the pressure on the springs.
- Remove cylinder piston (6) and the springs (31) from the housing (1).
- Pull the guide bushing (4) out of the cover housing (2).
- Pull the piston rod (9) in the direction of the gripper finger and out of the cover housing (2).

Assembly

When assembling, use the parts from the spare part package.

- Clean all parts thoroughly, check for damage and wear and grease with a lint-free cloth or brush.
- If necessary, replace seals, illustrated in gray in the graphic.
- Insert piston rod (9) into the cover housing (2).
- Insert guide bushing (4) into the cover housing (2).
- Insert springs (31) and cylinder piston (6) into the housing (1).
- **WARNING! The parts are under spring tension!** Carefully tighten screw (18) with the sealing disk (24) below it.
- Connect the covering housing (2) with the housing (1) using the screws (16).
- Assemble gripper on the machine/automated system.
- Secure all compressed air lines.