

PFH

Covering 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.

Document number:1005280

Edition:01.00 | 23/01/2017 | de - en

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1 Intended use

If grinding noises are audible or if belts or coverings are damaged (wear, unevenness), then the belts or coverings need to be changed. The cause for this defect is often dirt.

2 Scope of Delivery

Designation	PFH			
	150	200	250	300
Roller cover [pcs.]	2	2	2	2
Set-screw [pcs.]	2	2	2	2
Fitting screw [pcs.]	2	2	2	2
Cover [pcs.]	5	5	5	5
Complete sealing kit [pcs.]	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.

5 Tools/auxiliary tools

- Hexagon socket wrench

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	PFH 150 - 300
29	Set-screw [Nm]	6
31	Fitting screw [Nm]	6
33	Screw [Nm]	5
37	Countersunk screw [Nm]	3
63	Countersunk screw [Nm]	1.2
64	Screw [Nm]	3

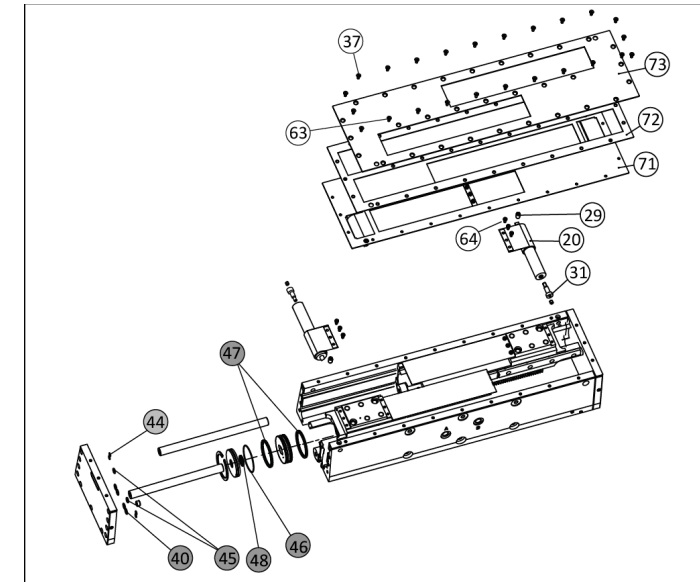
8 Threadlocker

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

9 Revolutions of the fitting screws

Item	Designation	150	200	250	300
31	Fitting screw	3	2 ½	2	1 ½

10 Changing the covering



Dismantling

- Move gripper to the "open" position.
- Remove all compressed air lines.
- Disassemble gripper from the machine/automated system.
- Unfasten and remove the screws (37 and 63).
- Remove the covers (72 and 73).
- **WARNING! Roller belt covering (20) may be under tension! The covering (71) may be ejected when removing the screws (64).** Unfasten and remove the screws (64).
- Remove the cover (71).
- Unfasten and remove the fitting screws (31).
- Loosen the set-screws (29).
- Remove roller belt coverings (20).

Assembly

When assembling, use the parts from the spare parts 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.
- Fasten roller belt coverings (20) with fitting screws (31) to the housing.
- Fasten covering (71) to the roller covering with screws (64) until an initial tension can be felt.
- Tighten fitting screws (31). Number of revolutions, see [Revolutions of the fitting screws](#).
- Fasten coverings (72 and 73) with screws (37 and 63).
- Tighten set-screws (29).
- Assemble gripper on the machine/automated system.
- Secure all compressed air lines.