

# PFH 30 - 50

## Covering spare parts package

### Repair Instructions

SCHUNK GmbH & Co. KG | Spann- und Greiftechnik  
D-74348 Lauffen/Neckar | Bahnhofstr. 106 – 134  
Tel. +49-7133-103-0 | Fax +49-7133-103-2399  
info@de.schunk.com | www.schunk.com

Superior Clamping and Gripping



#### Copyright

This manual remains the copyrighted property of SCHUNK GmbH & Co. KG. It is solely supplied to our customers and operators of our products and forms part of the product. This documentation may not be duplicated or made accessible to third parties, in particular competitive companies, without our prior permission.

#### Technical changes

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

Document number:1005281

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

© SCHUNK GmbH & Co. KG  
All rights reserved.



## 1 Intended use

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

## 2 Scope of Delivery

Designation	PFH		
	30	40	50
Wiper [pcs.]	2	2	2
Locating plate [pcs.]	1	1	1
Screw [pcs.]	8	8	8
Set-screw [pcs.]	4	4	4
Feeler gauge stock [pcs.]	1	1	1
Cylindrical pin [pcs.]	2	2	2

Designation	PFH		
	30	40	50
Cover plate [pcs.]	2	2	2

## 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](http://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!

For products with gripping force maintenance, parts are under spring tension. During disassembly parts may move unexpectedly and cause serious injuries

- Disassemble the product cautiously.
- Make sure that no residual energy remains in the system.

## 5 Tools/auxiliary tools

- Hexagon socket wrench
- Screwdriver

## 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

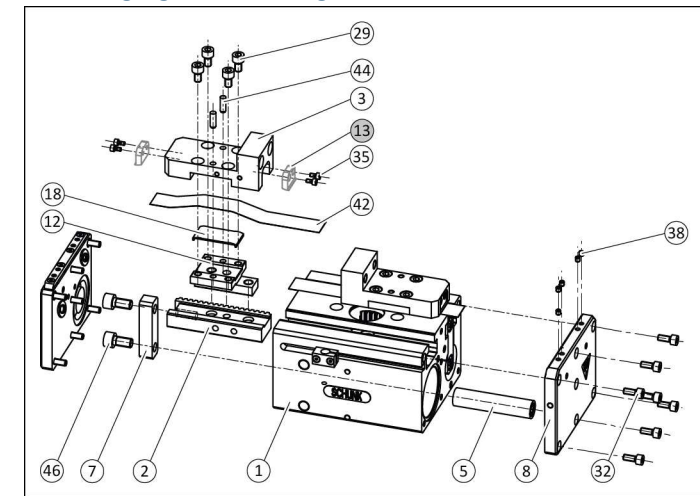
## 7 Tightening torque

Item	Designation	PFH 30-50		
		30	40	50
29	Screw [Nm]	6.1	10	25
32	Screw [Nm]	6.1	6.1	6.1
35	Screw [Nm]	1.2	1.2	1.2
38	Set-screw [Nm]	3.1	3.1	3.1
46	Screw [Nm]	18	43	160

## 8 Threadlocker

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

## 9 Changing the covering



### Dismantling

- Remove all compressed air lines.
- Disassemble gripper from the machine/automated system.
- Unscrew screws (29) and remove the guide strip (3) and cylinder pins (44).
- Unfasten and remove screws (35) and pull wipers (13) out of the guide strip (3).
- Remove set-screws (38) and guiding gauge band (42).
- Remove locating plate (18) from the intermediate stop (12) and clean the exposed surface on the intermediate stop (12).

### 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 shown in gray in the picture.
- Adhere locating plate (18) to the cleaned surface of the intermediate stop (12) using superglue.
- Insert covering (62) into the upper slot of the cover plate (8).
- Slide the guiding gauge band (42) under the covering (62) into the slot of the cover plate (8).
- Clamp covering (62) through the set-screws (38) onto the guiding gauge band (42).
- Insert wiper (13) into the guide strip and fasten with screws (35).
- Fasten guide strip (3) using the cylinder pins (44) and the screws (29).
- Assemble gripper on the machine/automated system.
- Secure all compressed air lines.