PRESSOL

# PRELIXX PRO 6 µm




**Operating instructions and safety notes**

86 148 932 A405 GB

## PRESSOL Schmiergeräte GmbH

This documentation is exclusively intended for the operating company and their staff.

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**Operating instructions translation**

Date of issue: 02/2026

We reserve the right to make design and product modifications, which serve to improve the product.

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# 1. Introduction

## 1.1. Preface

**Please carefully read these operating instructions and observe in particular all safety notes!**

Our staff will be pleased to provide support if you have any questions about the product.

**Yours sincerely, PRESSOL Schmiergeräte GmbH**

## 1.2. Obligations of the personnel

Before commencing work, all persons who are entrusted to work with the PRELIxx PRO 6 µm are obliged:

- to follow all applicable regulations on occupational safety and accident prevention.
- to read and to comply with all safety instructions and warning notes contained in these operating instructions.

Please observe the following instructions in the interest of all concerned:

- Refrain from any unsafe working methods!
- Adhere to all hazard and warning notes contained in this manual!
- In addition to this documentation, keep to all generally accepted safety rules, legal provisions as well as all other binding rules regarding occupational safety, accident prevention and environmental protection!
- Wear appropriate protective clothing in accordance with the work to be done!
- Perform only work for which you have been sufficiently trained and instructed!
- Only genuine spare parts as well as original tools and auxiliaries of the manufacturer are allowed to be used in order to ensure the functional safety and maintain the warranty coverage.

## 1.3. Symbols in this manual

### 1.3.1. Structure of the safety notes

The safety notes have the following structure:



**SIGNAL WORD**

**Type and source of the hazard**
– Consquences of non-compliance with the notes.
– Measures to avoid that risk.

Depending on the danger level, different signal words are used:

| Signal word | Danger level | Consequences of non-compliance |
|---|---|---|
| **WARNING** | Possible threat of danger | Death or serious bodily injury |
| **CAUTION** | Possibly dangerous situation | Minor bodily injury |
| **ATTENTION** | Possibly dangerous situation | Damage to material property |



**NOTE**

Indicates further information or tips which facilitate work.

### 1.3.2. General symbols

| Symbol | Meaning |
|---|---|
| ■ | A small black square indicates the work you have to perform. |
| – | The dash denotes lists. |

# 2. Safety notes

Various dangers may occur if the grease gun is improperly handled during installation, commissioning and daily operation.



**WARNING**

**Risk of injury and damage to material property because of improper handling**

- Hold the manual at the disposal of the operating staff at the usage site of the unit.
- Country-specific safety measures and accident prevention regulations must be observed.

## 2.1. Authorized personnel

Only qualified and authorized persons are allowed to operate and to work on the PRELIxx PRO 6 µm.

Persons are qualified if they are, due to their training, experience, instruction and knowledge of the relevant standards, able to assess assigned tasks and to identify potentially hazardous situations.

All persons charged with installation, operation, maintenance and repair work, must have read and understood this operation instructions.

## 2.2. Intended conditions of use

The grease gun is designed exclusively for the delivery of grease lubricants.

Any departure from the usage stipulations (other fluid media, use of force) or user modifications (changes, use of non-original parts) can be dangerous and are considered as non-intended usage.

The operator is responsible for damages resulting from use other than the intended use.

# 3. Design and functional description

The grease gun is equipped with a spring-loaded sealing sleeve to support the grease delivery.

The grease gun can be fitted with a very wide range of PRESSOL accessories.

The grease gun is available in the following models:

– PRELIxx PRO 6 µm

# 4. Area of application

The grease gun is suitable for supplying lubricant greases up to viscosity class NLGI 3.

The grease gun can be filled with a commercial grease cartridge according to DIN 1284, with loose grease by means of a spatula or with a grease gun filling device (only with version with filling nipple).

# 5. Technical data

| Grease gun | PRELIxx PRO 6 µm |
|---|---|
| Diameter of grease piston | 10 mm |
| Supply volume/stroke (cm³) | 1,95 at a grease density of 0.92 kg/dm³, tested with grease cartridge 400 g (12 511) |
| Supply pressure | up to 400 bar |
| Grease gun connection, pressure-side | M 10 x 1 or G ¹/₈“ |
| Bursting pressure (system) | 900 bar |
| Bursting pressure (grease gun head) | 1200 bar |
| Capacity | 500 cm³ |
| Filling options | 400-g-grease cartridge (DIN 1284), loose grease using a spatula, grease gun filling device |

Tab. 5-1: Technical data

# 6. Hazards when handling the grease gun



**CAUTION**

**Excess pressure can result in the bursting of the grease gun head and of accessories (e. g. hoses)!**

- Do not use force when actuating the hand lever!
- Do not use an extension or other auxiliaries!
- Do not exceed the operating pressures specified in chapter 5!
- Use only original accessories compliant with DIN 1283!

**Excess pressure at the greasing point can damage the grease nipple, the bearing and even the machine!**

- Comply with the machine manufacturer‘s maintenance and service instructions!



**CAUTION**

**Defective accessories can lead to personal injury and material damage!**

- High pressure hoses must not be kinked, twisted or stretched.
- During their period of use, accessories must be checked for wear, cracks, and other damage.
- Defective accessories should be replaced immediately.
- The period of use for connecting hoses is a maximum of 6 years after the date of manufacture (see hose labelling).

# 7. Assembly

The grease gun is supplied fully assembled.

Depending on the model, accessories can or must be fitted.

**NOTE**

- When fitting accessories, ensure cleanliness and an exact connection of the accessories with the grease gun head.
- Use suitable sealants and adhesives (e.g. Teflon tape).
- When changing the spout or high pressure hose, the valve in the grease gun head must not be unscrewed.

# 8. First use and recommissioning

Check the grease gun and fitted accessories for completeness.

## 8.1. Filling the grease gun

There are various filling options for the grease gun:

– Filling with grease gun filling device (only versions with filling nipple).

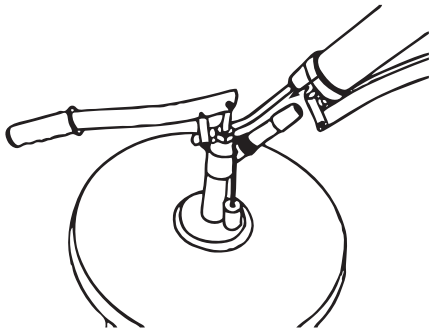
– Filling with grease cartridge according to DIN 1284.

– Filling with loose grease using a spatula.

### 8.1.1. Filling with grease gun filling device

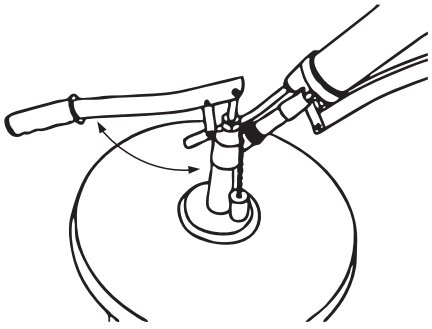
**CAUTION**

- Do not open the grease gun when it is under pressure!
- Every time that the grease gun head and cylinder are to be separated, the push rod must be fully retracted and automatically locked by means of the safety catch.



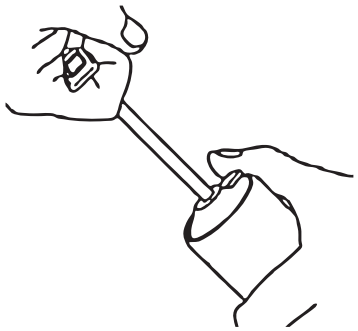
Place the grease gun onto the filling valve of the grease gun filling unit, and hold it in place with light counter pressure.

When doing so, do not pull back the push rod because otherwise air could be trapped in the grease gun.



Fill the grease gun by activating the filling device. Approx. 10 pump strokes are sufficient.
Filling may cause the push rod to be pushed out of the grease gun cylinder.

Do not overfill the grease gun, because otherwise the grease is pushed behind the shape collar.



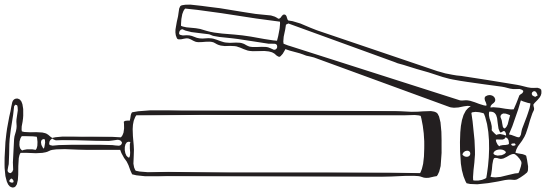
While pulling on the push rod, activate the safety catch and push the push rod back into the cylinder.

### 8.1.2. Filling with grease cartridge according to DIN 1284

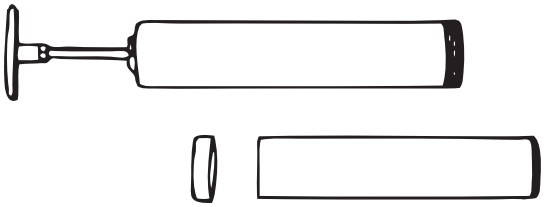


**CAUTION**

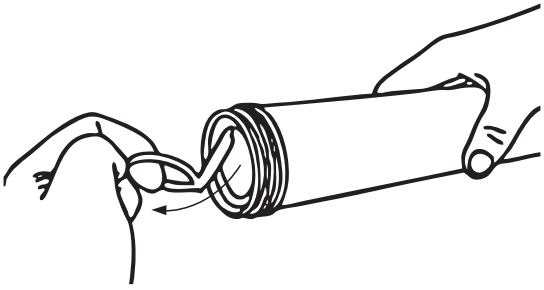
- Do not open the grease gun when it is under pressure!
- Every time that the grease gun head and cylinder are to be separated, the push rod must be fully retracted and automatically locked by means of the safety catch.



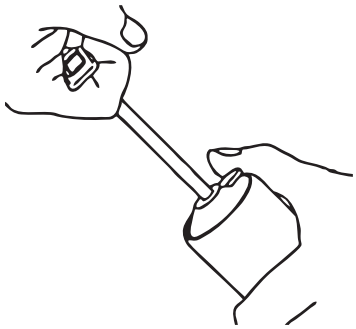
Pull back the push rod and unscrew the grease gun head.



Remove the sealing cap from the full cartridge, and guide this into the grease gun cylinder.



Only then tear off the cartridge's „pull-off" closure and screw on the grease gun head.

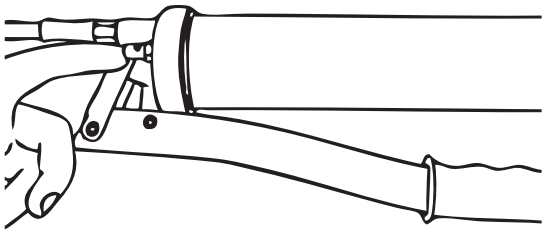


Pull on the push rod, actuate the safety catch, and push the push rod back into the cylinder.

## 8.2. Making the grease gun ready for operation

**NOTE**

- Check that the grease gun head and cylinder are tightly screwed together.



Remove air from the grease-containing section via the combined filling / air removal nipple on the grease gun head by loosening the gun head and cylinder (half a turn maximum while pushing the grease gun tube slightly to the side, then screw it back in completely).

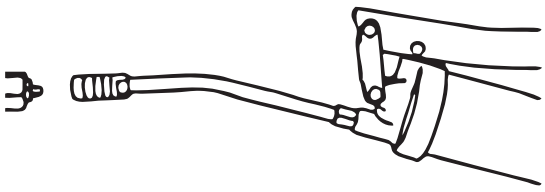
The grease gun is now ready for use.

# 9. Operation

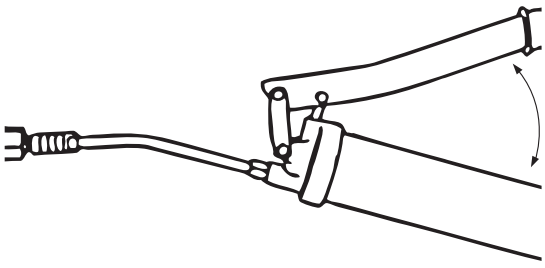
**CAUTION**

**Excess pressure can result in the bursting of the grease gun head and of equipment!**

- When using the grease gun, use suitable equipment such as protective gloves and eye protection!



Position the grease gun with the mouthpiece onto the grease nipple.



Actuate the hand lever to carry out the greasing process.

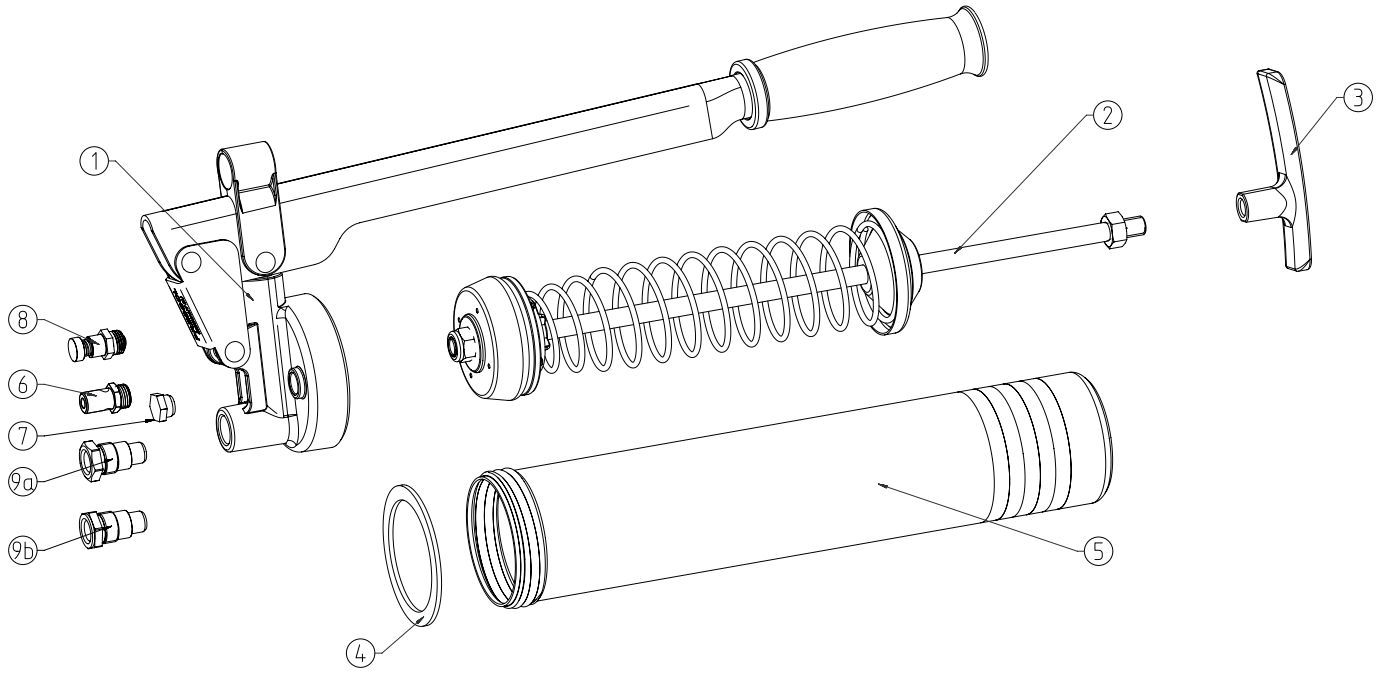
## 10. Care/Maintenance

In principle, the PRELIxx grease gun needs little care and maintenance.

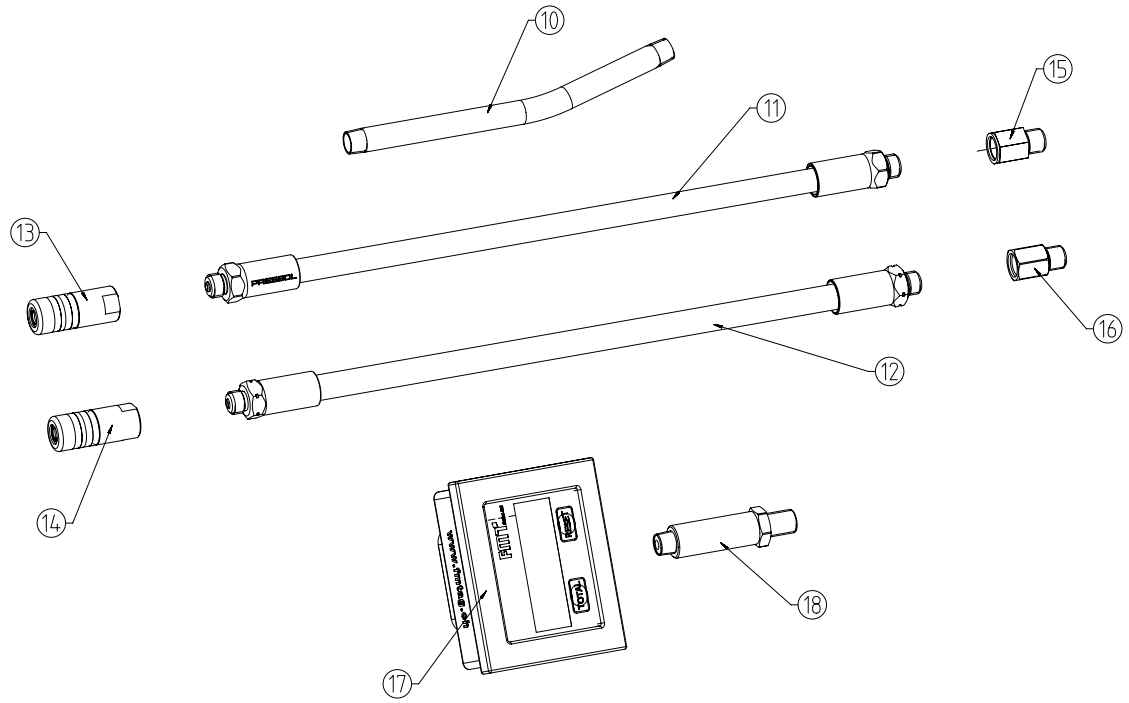
Because of operator responsibility, the following parts must be checked regularly in order to avoid environmental, material, or personal damage:

- Grease gun head
- Screwed connections
- Accessories (hoses, mouthpieces, etc)

## 11. Replacement parts PRELIxx PRO 6 µm




| Pos. | Item-No. | Description | Quantity |
|---|---|---|---|
| 01 | 94 606 | PRELIxx PRO 6 µm - Head and lever assembly | 1 |
| 02 | 85 721 | Push rod mounted | 1 |
| 03 | 85 623 | T-grip | 1 |
| 04 | 00 442 | Flat gasket | 1 |
| 05 | 00 363 | Grease gun tube | 1 |
| 06 | 12 670 | Filling nipple for grease gun head-M 10 x 1 a-Ø 9 mm | 1 |
| 07 | 00 445 | Plug | 1 |
| 08 | 85 277 | Venting valve | 1 |
| 09a | 87 340 | Complete venting option, zinc-blue with ball and spring-M 10x1 | 1 |
| 09b | 94 582 | Complete venting option, zinc-blue with ball and spring-G 1/8“ | 1 |




| Pos. | Item-No. | Description | Quantity |
|---|---|---|---|
| 10 | 12 635 | Spout-angled-M 10 x 1 male | 1 |
| 11 | 12 655 | High pressure hose-M 10 x 1 male – 11 x 300 mm | 1 |
| 12 | 12 755 | High pressure hose-G 1/8“ male<br>11 x 300 mm | 1 |
| 13 | 12 643 | Precision coupler-M 10 x 1 female<br>SW 13 mm-Ø 15 mm | 1 |
| 14 | 12 743 | Precision coupler-G 1/8“ female<br>SW 13 mm-Ø 15 mm | 1 |
| 15 | 12 016 | Retention adapter G 1/8“ female-M 10 x 1 male | 1 |
| 16 | 12 086 | Retention adapter G 1/8“ male-M 10 x 1 female | 1 |
| 17 | 18 115 | In-line meter for grease-NEF with display-0-1000 cm³/min | 1 |
| 18 | 86 306 | Adapter PRELIxx/grease meter galvanized<br>1.0718-0.0393kg-SW15x45 | 1 |

## 12. Disposal

The operating company is responsible for the proper disposal of the grease gun.

Dispose of the different materials in accordance with all industry-specific and local regulations.

Only qualified personnel is authorized to disassemble and dispose of the hand lever grease gun.

## 13. Repair/Service

The grease gun has been developed and produced according to the highest quality standards.

Should a problem develop, despite of all quality controls, please contact our customer service:

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