PRESSOL

# PRELIxx ONE / One hand grease gun




**Operating instructions and safety notes** 80 287 932 A404 GB

## PRESSOL Schmiergeräte GmbH

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**Operating instructions translation**

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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 ONE / One hand grease gun 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 |
|---|---|---|
| **CAUTION** | Possibly dangerous situation | Minor bodily injury |
| **ATTENTION** | Possibly dangerous situation | Damage to material property |

### 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 ONE / One hand grease gun.

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 situation.

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 design allows lubrication with just one hand; this makes work easier at hard-to-reach lubrication points.

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

- Designed for rough, heavy-duty use.
- The handle can be switched from high delivery rate to high pressure.
- Due to the mobility of the push rod, the sealing sleeve can also be inserted even with a damaged cartridge or a cartridge that is not dimensionally accurate.
- The push rod can be locked in any position – it does not have to be pulled all the way back to release the grease from spring pressure (the grease does not saponify).
- Easy disassembly allows for trouble-free cleaning.
- The rolled thread on the grease gun tube is resistant to damage from impact and allows quick and easy screwing in with 1.5 turns.
- Quick venting by turning the grease gun tube half a turn.
- Trouble-free use thanks to the technically simple design.

# 4. Area of application

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



**ATTENTION**

- Do not use grease below 10 °C (50 °F)!

# 5. Technical data

| One hand grease gun | PRELIxx ONE M 10 x 1 | PRELIxx ONE - G 1/8“ |
|---|---|---|
| Grease gun connection, pressure-side | M 10 x 1 | G 1/8“ |
| Filling nipple | M 10 x 1 | M 10 x 1 |
| Capacity (cm³) (fl oz) | 500 / 16.9 | 500 / 16.9 |
| Refilling options | 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease | 400 g grease cartridge, DIN 1284, grease gun filling system or bulk grease |
| Diameter of grease piston (mm) | manual, by means of pressure grip | manual, by means of pressure grip |
| **Calibration Volume** | | |
| Delivery rate/stroke (cm³) (fl oz) | 1,1 / 0.037 | 1,1 / 0.037 |
| Max. delivery pressure (bar) (psi) | 200 / 2900 | 200 / 2900 |
| **Calibration Pressure** | | |
| Delivery rate/stroke (cm³) (fl oz) | 0,7 / 0.024 | 0,7 / 0.024 |
| Max. delivery pressure (bar) (psi) | 300 / 4351 | 300 / 4351 |
| Dimensions LxWxH (mm) (in) | 400 x 165 x 66 / 15.75 x 6.5 x 2.6 | 400 x 165 x 66 / 15.75 x 6.5 x 2.6 |
| Weight (kg) (lb) | 1,3 / 2.87 | 1,3 / 2.87 |

Tab. 5-1: Technical data

# 6. Hazards when handling the grease gun



**ATTENTION**

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

- 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 with the grease gun head!
- Use suitable sealants and adhesives (e.g. Teflon tape).

# 8. First use and recommissioning

Check the grease gun and installed accessories for completeness!

## 8.1. Filling the Grease Gun

The grease gun can be filled in several ways:

– With a grease gun filler.

– With a grease cartridge conforming to DIN 1284.

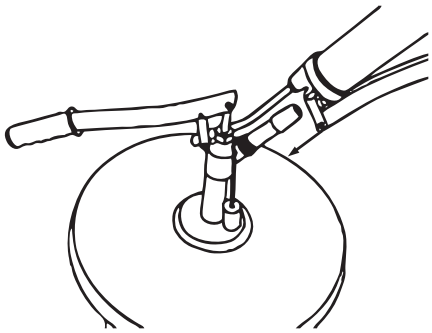
– With bulk grease, using a spatula.

### 8.1.1. Filling with grease gun filling device

**CAUTION**

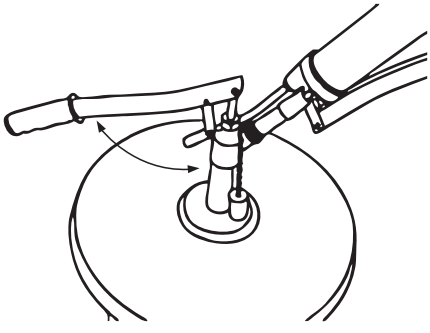
**Risk of minor physical injury**

- Do not open the grease gun while it is under pressure!
- Before separating the grease gun head from the tube, pull the plunger rod back and allow the locking pawl to engage automatically.



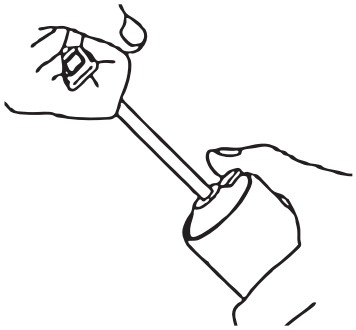
Place the grease gun's filling nipple onto the filler valve of the grease gun filler and hold it with light counter pressure.

Do not pull back the plunger rod; otherwise an air pocket may form in the grease gun.



Operate the filler to fill the grease gun. Approximately 10 pump strokes are sufficient. Filling may push the plunger rod out of the grease gun tube.

Do not overfill the gun; otherwise grease will be forced behind the formed collar.



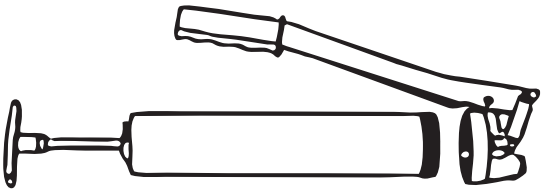
While pulling the plunger rod, press the locking pawl and push the plunger rod back into the tube.

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

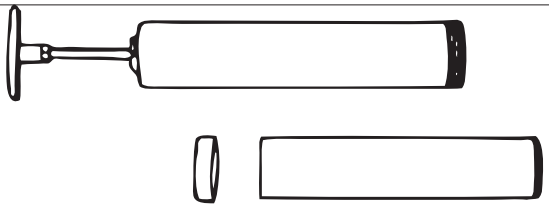
**CAUTION**

**Risk of minor physical injury**

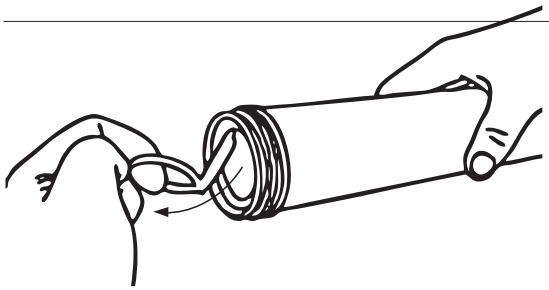
- Do not open the grease gun while it is under pressure!
- Before separating the grease gun head from the tube, pull the plunger rod back and allow the locking pawl to engage automatically.



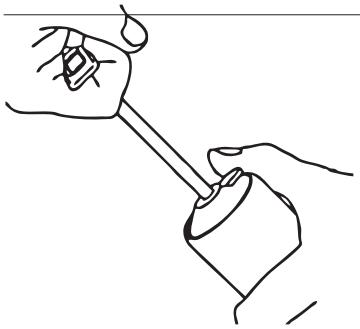
Pull the plunger rod back and unscrew the grease gun head.



Remove the end cap from the full grease cartridge and insert the cartridge into the grease gun tube.



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

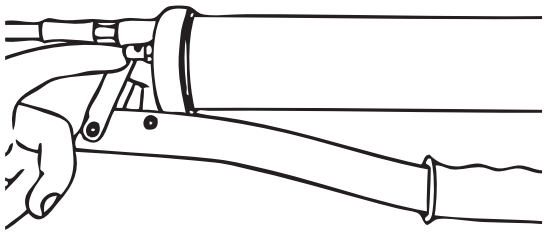


While pulling the plunger rod, press the locking pawl and push the plunger rod back into the tube.

## 8.2. Preparing for Operation

**NOTE**

- Check that the grease gun head and tube are securely connected.



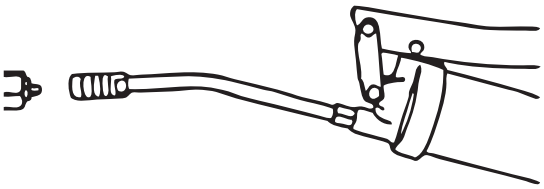
Vent the grease chamber through the combined filling/venting nipple on the grease gun head, by loosening the connection between the head and tube (maximum 1/2 turn), or by operating the hand lever several times.

# 9. Operation

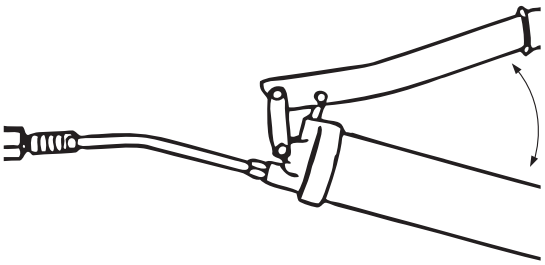
**CAUTION**

**Risk of minor physical injury**

- Excess pressure can rupture the grease gun head and accessories!
- Wear suitable equipment, such as protective gloves and eye protection when using the grease gun.



Place the hydraulic coupler of the grease gun onto the grease fitting.



Operate the hand lever to perform the lubrication process.

# 10. Maintenance/Servicing

The one hand grease gun generally requires little care or maintenance.

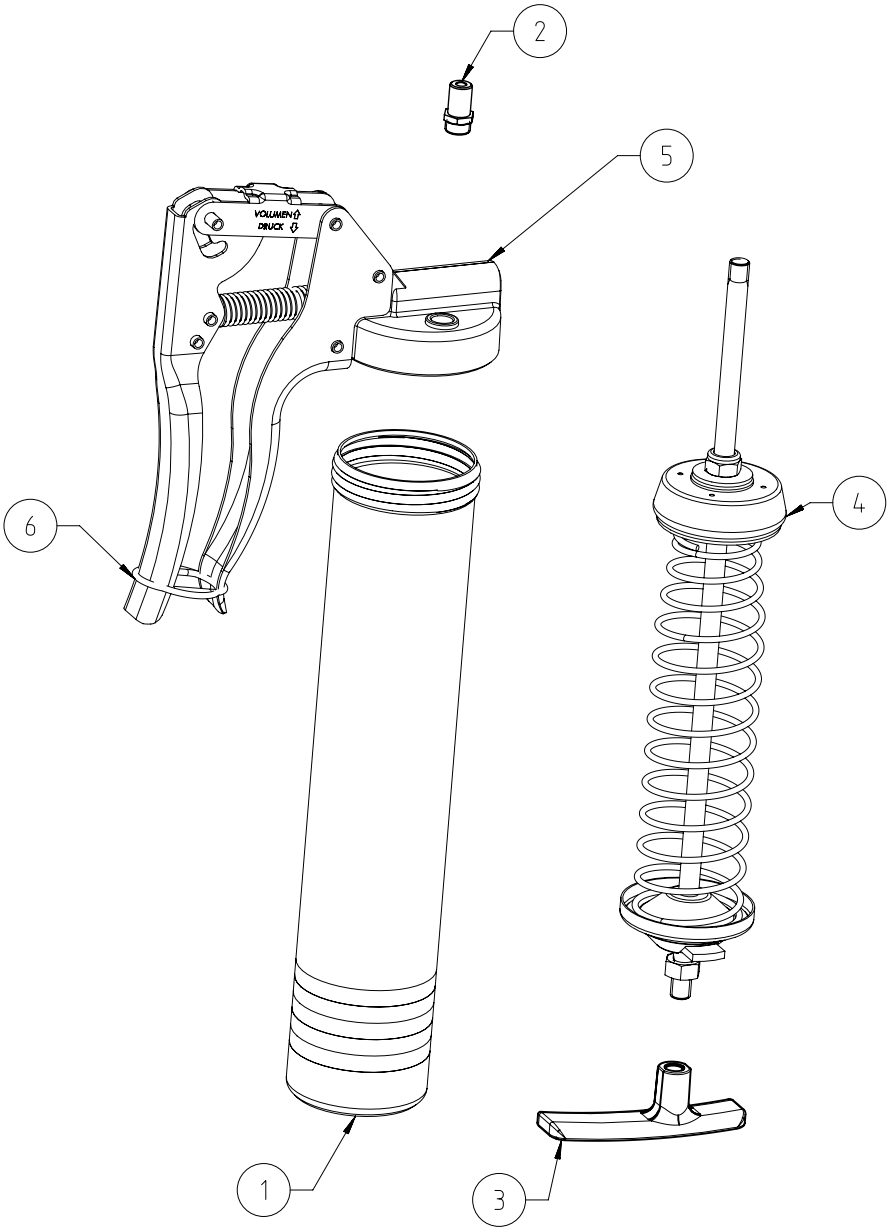
As part of the operator's responsibilities, regularly inspect the following components to prevent environmental damage, property damage, or personal injury:

– Grease gun head

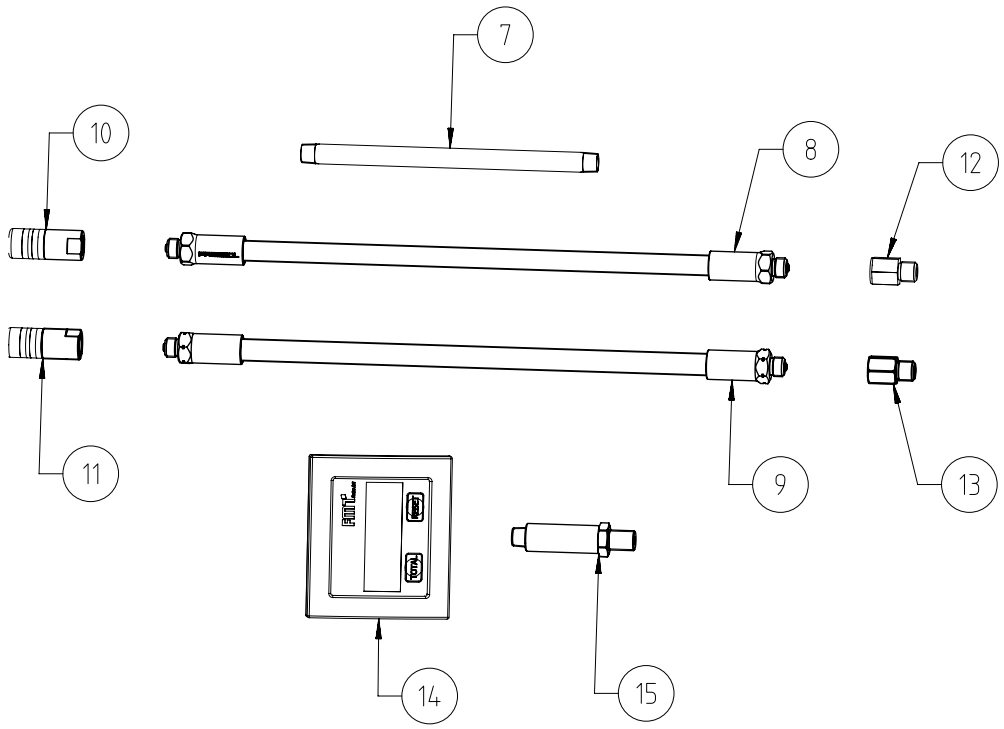
– Threaded connections

– Accessories (hoses, couplers, etc.)

# 11. Spare Parts / Accessories




| Pos. | Item Number | Description | Qty. |
|---|---|---|---|
| 1 | 00361 010 | Grease gun tube, jet black - RAL 9005-matte | 1 |
| 2 | 12670 | Filling nipple for grease gun head | 1 |
| 3 | 85623 | T-handle | 1 |
| 4 | 85721 | Plunger rod, assembled | 1 |
| 5 | 86322 | Complete grease gun head | 1 |
| 6 | 89111 | O-Ring-NBR 70 | 1 |




| Pos. | Item Number | Description | Qty. |
|---|---|---|---|
| 7 | 12435 | Straight rigid extension | 1 |
| 8 | 12655 | High-pressure hose, M 10 x 1 a 11 x 300mm (0.43x11.8 in) | 1 |
| 9 | 12755 | High-pressure hose, G 1/8“ a 11 x 300 mm (0.43 x 11.8 in) | 1 |
| 10 | 12643 | Precision coupler, M 10x1 i SW 13 mm-Ø 15 mm (0.51 in, Ø 0.59 in) | 1 |
| 11 | 12743 | Precision coupler, G 1/8“ iF 13mm-Ø 15mm x 37mm (0.51x0.59 x 1.46 in) | 1 |
| 12 | 12016 | Reducer, galvanized steel, G 1/8“ i-M 10 x 1 a | 1 |
| 13 | 12086 | Reducer, galvanized steel,  G 1/8“ a-M 10 x 1 i | 1 |
| 14 | 18115 | Inline Grease meter - NEF with Display-0-1000 cm³/min (0-33.8 fl oz/min) | 1 |
| 15 | 86306 | Adapter | 1 |

## 12. Disposal

The operator is responsible for the proper disposal of the PRELixx ONE one-hand grease gun.

When disposing of various materials, observe all industry specific rules and local regulations.

The grease gun may be dismantled and disposed of only by a qualified professional.

## 13. Repair/Service

The grease gun was developed and manufactured in accordance with the highest quality standards.

If a problem occurs despite all quality-control measures, please contact our service representative:

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