



KL-1039-111

Commercial Vehicle Press Frame 28t



Operating instructions EN
 ⚠ Read and understand before use!



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EN

1. FOR YOUR SAFETY

WARNING

Read and understand these operating instructions before using the press frame and observe all safety and warning instructions! Misuse can result in **DEATH** or **SEVERE INJURIES**!

These operating instructions are an integral part of the press frame. Keep them at a safe place for future reference, and always pass them on to subsequent users of the wheel hub puller.

1.1 Target group

These operating instructions are **exclusively** intended for skilled personnel in specialised motor vehicle workshops!

The press frame **may only be** used by skilled personnel in specialised motor vehicle workshops who are familiar with the basic regulations on work safety and accident prevention.

- **Never** allow unauthorised persons or minors to use the press frame!

1.2 Intended use

The press frame...

... **may only be used** by skilled personnel in motor vehicle workshops!

... **may only** be used for pressing bushings on the, bearings and bolts axle trailing arms in and out!

... **may only** be used with a muscle-powered and manually operated **GEDORE Automotive** hydraulic cylinder/pump combination with manometer for safe pressure control!

... **may only be used to a max. load of 28 tons!**

... **may only** be used as described in these operating instructions!

 Any other use can result in **DEATH** or **SEVERE INJURIES**!


1.3 Reasonably foreseeable misuse

The press frame...

... **may never** be used together with a machine-operated drive.

... **must never** be used together with a machine-operated hydraulic cylinder/pump combination!

... **may never** be modified or converted in an unauthorised way.

 The press frame **may only** be used in a way as described in **Chapter 1.2 - Intended use**. Any other use can result in **DEATH** or **SEVERE INJURIES**!

1.4 Personal protective equipment

For your safety, **always** wear personal protective equipment when using the press frame! The press frame can bring about mechanical hazards such as crushing, cutting, and shock injuries.



Always wear **EYE PROTECTION** (see DIN EN 166, OSHA 29 CFR 1910.133, ANSI Z87) when using the press frame to protect yourself against flying parts or particles.

- When using the press frame, flying parts or particles can cause **injuries to your eyes!**



Always wear **PROTECTIVE GLOVES** (see DIN EN 388, OSHA 29 CFR 1910.138, ANSI 105) when using the press frame to protect yourself against sharp edges and crushing between parts.

- When working with the press frame, sharp edges and crushing between parts can cause **injuries to your hands!**







Always wear **SAFETY SHOES** (see DIN EN ISO 20345, OSHA 29 CFR 1910.136, ANSI Z41) when using the press frame to protect yourself against falling parts.

- When working with the press frame, falling parts can cause **injuries to your feet and toes!**

1.5 Labelling of the warnings

Warnings are used to warn of possible **dangers**.
Always read and observe these warnings to avoid **DEATH** or **INJURIES!**

For better differentiation, warnings in these operating instructions are classified as follows:

Warning sign	Meaning
	Indicates a hazardous situation which, if not avoided, could cause DEATH or SEVERE INJURIES .
	Indicates a hazardous situation which, if not avoided, could cause MODERATE or MINOR INJURIES .
	Indicates a situation which, if not avoided, can cause damage to the tool or an object in its vicinity.
	Reference to useful information and tips.

1.6 Basic warnings

WARNING - Hazard from MISUSE

The press frame can break if used incorrectly, thus flinging fragments and parts can lead to **DEATH** or **SERIOUS INJURIES!**
It is therefore **essential** to read and understand these operating instructions **before using** the press frame, and to observe all safety and warning instructions!

- **Only** use the press frame as described in these operating instructions.
- **Never** use the press frame with a machine-operated hydraulic cylinder/pump combination!
- Use the press frame **exclusively** with a muscle-powered, manually operated **GEDORE Automotive** hydraulic cylinder / pump combination with a manometer for reliable pressure control!
- **Never** beat the wheel hub frame with a hammer or anything similar!
- **Always** wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

WARNING - Hazard from OVERLOAD

The press frame can break if used incorrectly, thus flinging fragments and parts can lead to **DEATH** or **SERIOUS INJURIES!**

- **Never** exceed the press frame's **maximum load of 28 tonnes!**
- **Never** use the press frame with a machine-operated hydraulic cylinder/pump combination!
- Use the press frame **exclusively** with a muscle-powered, manually operated **GEDORE Automotive** hydraulic cylinder / pump combination with a manometer for reliable pressure control!
- **Never** use the press frame when its damaged!
- **Always** wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

WARNING - Hazard from FALLING

The press frame can fall down during preparation or use; falling parts can lead to **SEVERE INJURIES** of the feet!

- Put down the press frame **safely** to prevent it from dropping (for example on a workbench)!
- Always make sure that the press frame is securely attached to the vehicle!
- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!
- **Never** leave the press frame unattended at the vehicle
- **Always** wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

ATTENTION - Risk of DAMAGE

The vehicle and the press frame can be damaged.

- **Always** observe vehicle-specific application procedures in the vehicle manufacturer's repair guide.
- **Before each use**, lubricate moving parts and spindles on the press frame with molybdenum disulphide paste.

1.7 Basic safety instructions

For your own safety, **always** observe the following safety instructions and precautions when using the press frame in order to avoid injuries and material damage as a consequence of misuse and unsafe handling.

- Read and understand these operating instructions **before using** the press frame and observe all safety and warning instructions!
- **Always** observe vehicle-specific application procedures in the vehicle manufacturer's repair guide.
- **Always** work on the vehicle in accordance with the basic regulations on work safety and accident prevention.
- In case of skin contact with hydraulic oil or molybdenum disulphide paste, clean the affected area **immediately** with fat-dissolving soap and water.
- **Never** use the press frame when you are tired or under the influence of alcohol, drugs, or medication!
- Check the press frame for damage **before each use**.
- **Never** use the press frame when it is damaged!
- Use **only genuine GEDORE Automotive** spare parts and accessories.
- Due to its high weight, **always** carry, lift, and position the press frame with the help of a second skilled person!
- While working with the press frame, make **absolutely** sure that **no** other persons are present in the direct working area.
- **Always** observe the **max. load** when using the press frame and **never** exceed it.
- **Always** keep hair, clothing, and gloves away from moving parts!
- **Always** tighten the screws on the press frame manually using muscle power and **never** use a machine for this purpose.
- **Never** use the press frame with a machine-operated hydraulic cylinder/pump combination!
- Use the press frame **exclusively** with a muscle-powered, manually operated **GEDORE Automotive** hydraulic cylinder / pump combination with a manometer for reliable pressure control!
- **Always** wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!
- Interrupt your work **immediately** if you are unsure about using the press frame, and contact **GEDORE Automotive GmbH** if necessary!

1.8 Obligations of the owner

The owner of the press frame...

- ... **must** ensure that **only** trained personnel in specialised vehicle workshops use the press frame!
- ... **must** ensure that the operating instructions are available to the user and that the user has completely read and understood the operating instructions **before** using the press frame!
- ... **must** ensure that personal protective equipment is available to the user of the press frame!
- ... **must** ensure that the user of the press frame is familiar with the basic regulations on work safety and accident prevention.

1.9 Work environment

For your safety, **only** use the press frame in a safe working environment.

- The workplace **must** be clean and tidy.
- The workplace **must** be sufficiently large and illuminated.
- The workplace **must** be located on a solid and non-skidding floor.
- The workplace **must** be safeguarded against access of unauthorised persons.
- The workplace **must** have a room temperature between -10°C and +40°C.

1.10 Emissions

Molybdenum disulphide paste and hydraulic oil can drip when using the press frame and thus pose a hazard to the environment.

- **Immediately** remove leaking molybdenum - disulphide paste with a cleaning cloth and dispose of in an environmentally acceptable manner.

Safety data sheets *as per (EC) Ordinance No. 1907/2006 about hydraulic oil (HLP 32)* and molybdenum disulphide paste (**MOLYKOTE(R) G-N PLUS PASTE**) can be found on the Internet.

1.11 Maintenance

Spindles on the press frame could be damaged

- **Before each use**, check the spindle on the press frame for damage and soiling, clean it if necessary, and lubricate it **only** with molybdenum disulphide paste! (For example, **GEDORE Automotive** molybdenum disulphide paste - **KL-0014-0030**)

1.12 Troubleshooting

Always perform maintenance work on the press frame when it is depressurised and tension free!

Problem: Hydraulic oil escapes from the hydraulic coupling between hydraulic cylinder and hand pump.

Reason: Hydraulic coupling contaminated or loose.

Remedy: Clean and retighten the hydraulic coupling. Top up lacking hydraulic oil (**HLP 32**) at the hand pump.

2. PRODUCT DESCRIPTION

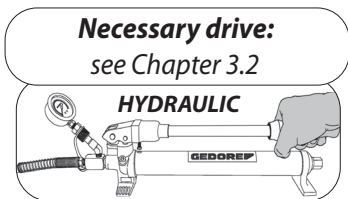
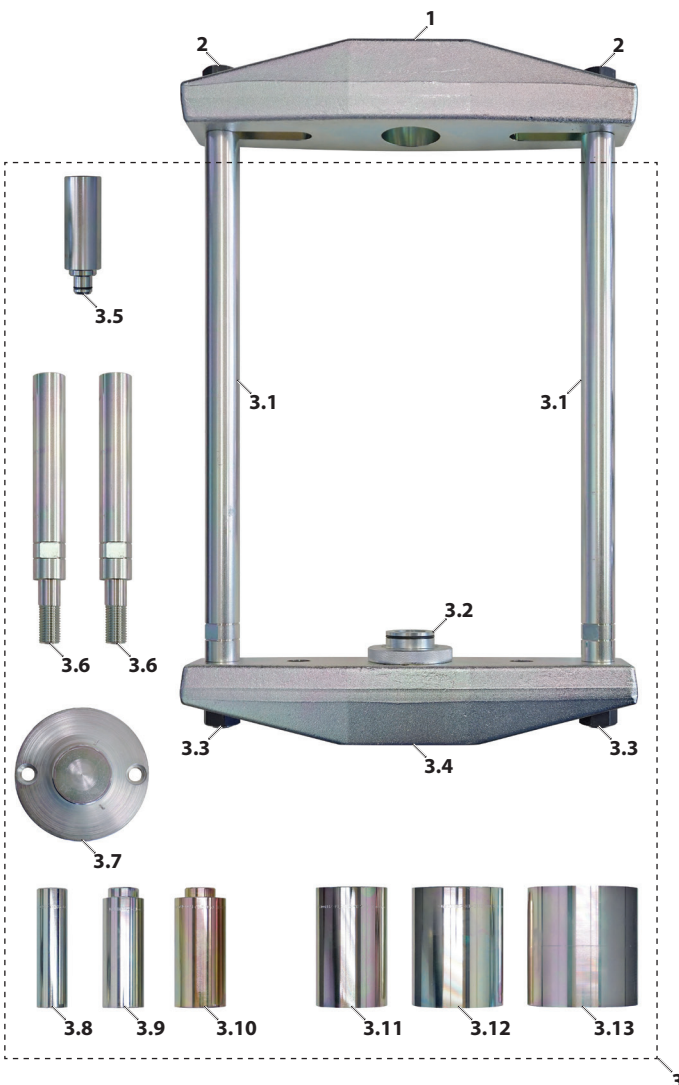
2.1 KL-1039-111 - Commercial vehicle press frame 28 t

Universal fit for commercial vehicles, construction machines, agricultural machines, trailers and semi-trailers.

The large and massive commercial vehicle press frame enables the pressing out and pressing in of various bushings, bearings or bolts directly on the vehicle. For example, on extension arms, tippers, deposit tippers, lifting arms, hook lift systems, chassis parts and much more.

With additional pressure/support sleeves from the **KL-0039-series** this can easily be supplemented with further diameters.. The bearing base included in the scope of delivery also allows the mobile commercial vehicle press frame to be placed e.g. on a workbench, as well as for stationary use as a light-weight stand press for on the road, e.g. in commercial vehicle service or repair vehicles.

The length and width of the commercial vehicle press frame , can also be quickly adjusted using the extension rods and the holes in the base plates.



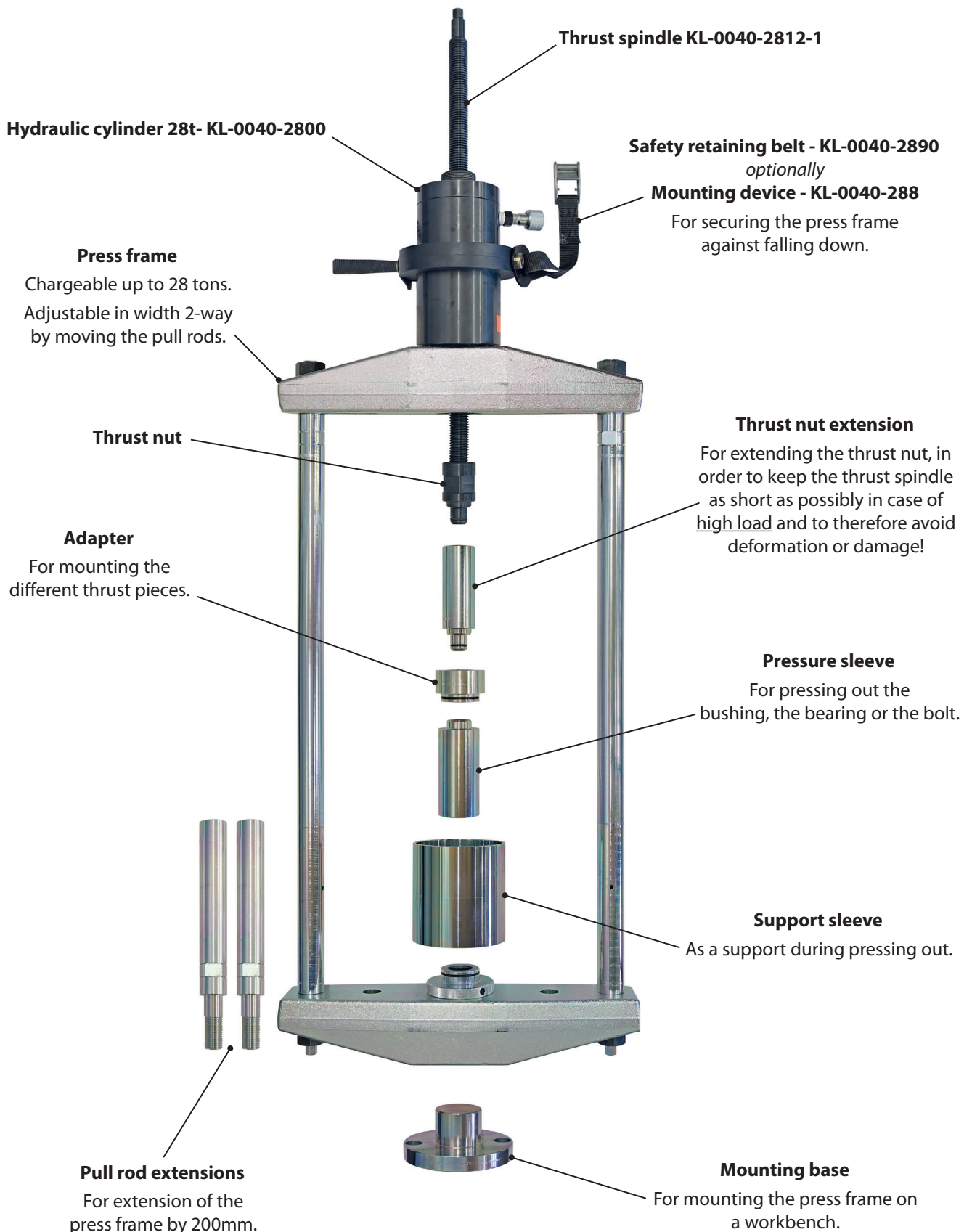
2.2 Scope of delivery:

Item	Part no.	Description	Qty.
1	KL-1005-1011	Base plate 2¾"-16 UN	1
2	KL-1005-1014	Hex collar nut M22	2
3	KL-1039-1111	Press frame 28t Addition to KL-1005-10	1
3.1	KL-1039-1102	Pull rod M22	2
3.2	KL-1039-1105	Adapter 2¾"-16 UNS on 30 dia. with o-ring	1
3.3	KL-1005-1014	Hex collar nut M22	2
3.4	KL-1039-1101	Base plate 2¾"-16 UN without long hole	1
3.5	KL-1039-1106	Extension for thrust nut M24	1
3.6	KL-1039-1103	Extension for pull rod M22	2
3.7	KL-1039-1107	Bearing base	1
3.8	KL-0039-1730	Pressure sleeve long 30mm dia. / 22mm dia.	1
3.9	KL-0039-1740	Pressure sleeve long 40mm dia. / 32mm dia.	1
3.10	KL-0039-1750	Pressure sleeve long 50mm dia. / 42mm dia.	1
3.11	KL-0039-1770	Support sleeve long 70mm dia. / 62mm dia.	1
3.12	KL-0039-1790	Support sleeve long 90mm dia. / 82 mm dia.	1
3.13	KL-1039-7110	Support sleeve long 110mm dia. / 102mm dia.	1

2.3 Specifications:

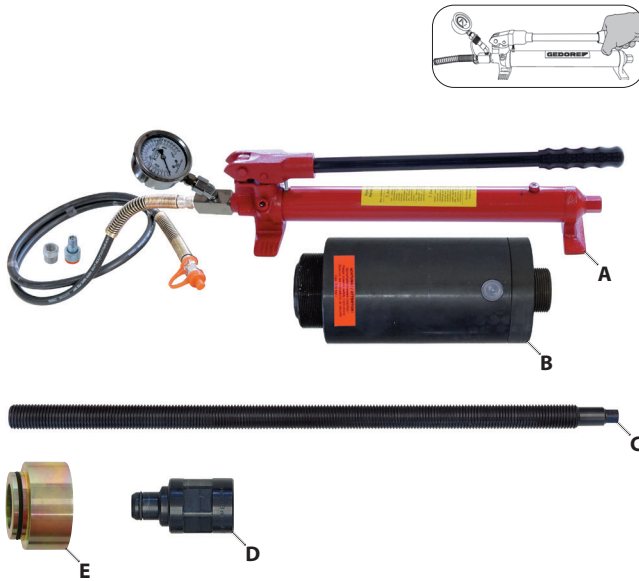
Internal width of press frame: 180 - 320mm
 Internal length of press frame: 500 - 700mm
 Load max.: 28t
 Mounting thread of hydr. cylinder:..... 2¾"-16 UN

2.4 Press frame overview:



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📷 1: Required drive parts



📷 2: Assembly on a workbench press frame



3. PREPARATION

⚠️ WARNING

The extraction device may break during use, fall down, and fly about; this may result in **DEATH** or **SERIOUS INJURIES!**

- ▼ Carefully check the extraction device for damage **before each use**.
- ▼ Never use the extraction device when it is damaged.
- ▼ Use **only genuine GEDORE Automotive** spare parts and accessories.
- ▼ **Always** wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

⚠️ CAUTION

Due to the heavy weight of the press frame, carrying, lifting and positioning it can lead to **MEDIUM** or **LIGHT INJURIES** such as back injuries!

- **Always** carry, lift, and position the press with the help of a second skilled person.

3.1 Checking the scope of delivery

Prior to using the extraction device, check that all parts of the scope of delivery are available. Follow the instructions below.

3.2 Necessary drive parts

⚠️ WARNING

The press frame may break if a machine-operated hydraulic cylinder/pump combinations which is used; ejected parts may lead to **DEATH** or **SERIOUS INJURIES!**

- Use the press frame **exclusively** with a muscle-powered, manually operated GEDORE Automotive hydraulic cylinder / pump combination with a manometer for reliable pressure control!

Hydraulic driving parts: (see 📷 1)

Item	Part no.	Description
A	KL-0215-35 M28	Hydraulic pump with 28t manometer
B	KL-0040-2800	Hydraulic cylinder 28t
C	KL-0040-2812-1	Pulling/thrust spindle M24
D	KL-0040-2812-5	Thrust nut M24
E	KL-0039-1002	Adapter for clamping nut

📄 Drive parts, see GEDORE-Automotive main catalogue.

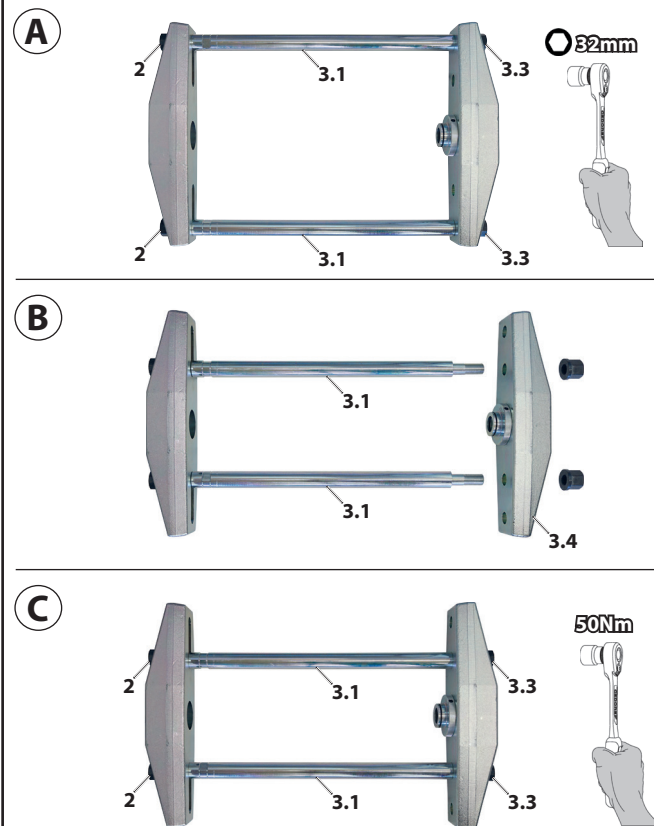
3.3 Workbench assembly pressure frame

With the help of the mounting base [3.7], the press frame can be quickly and safely placed on a workbench, as well as used stationary. 📷 2

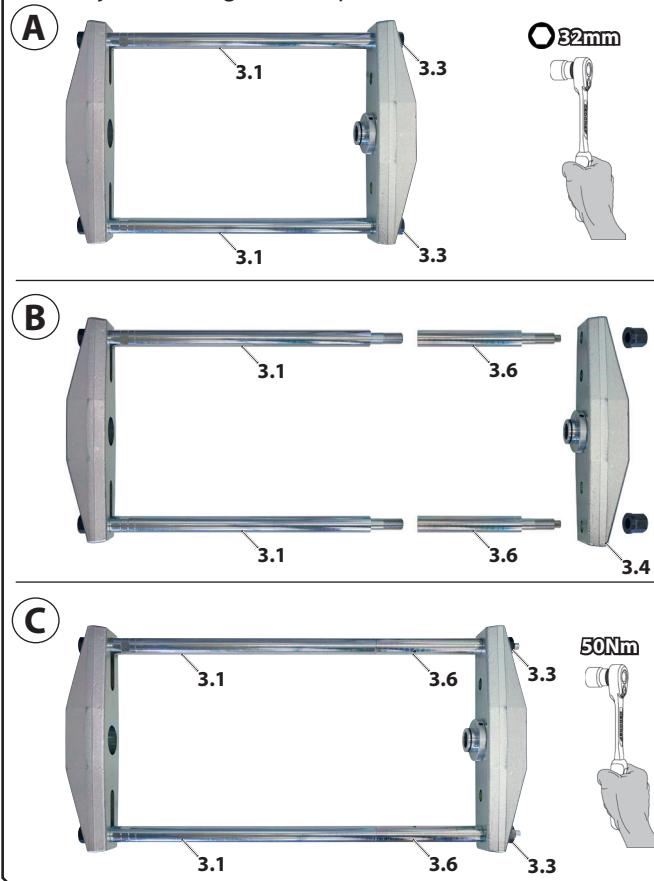
To do this, securely fasten the mounting base [3.7] to a stable workbench with the help of to cylinder screws (Ø 12mm).

Place the press frame completely on the mounting base [3.7] as follows. 📷 2

3: Adjust the width of the pressure frame



4: Adjust the length of the pressure frame



3.4 Adjust the width of the pressure frame

CAUTION

The press frame can fall down during the adjustment of its width; falling parts can lead to **SEVERE INJURIES** of the feet!

- **Always** put down the press frame safely to prevent it from dropping (for example on a workbench)!
- **Always** wear your personal protective equipment (safety shoes) during work!

Depending on the space available on the vehicle, the press frame can be adjusted in width as described below.

1. Loosen the collar nuts [2] anti-clockwise by two turns thereby counterhold the pull rods [3.1]. **3A**
2. Loosen and remove the collar nuts [3.3] completely anti-clockwise, thereby counterhold the pull rods [3.1]. **3A**
3. Remove the base plate [3.4] from the pull rods [3.1]. **3B**
4. Move the pull rods [3.1] in width and put the base plate [3.4] back in place. **3B+C**
5. To ensure parallelism of the pull rods [3.1] in the press frame, first tighten the collar nuts [3.3] clockwise with 50Nm, while holding the pull rods [3.1] against each other. **3C**
Then tighten the collar nuts [2] clockwise with 50Nm. **3C**

3.5 Adjust the length of the pressure frame

CAUTION

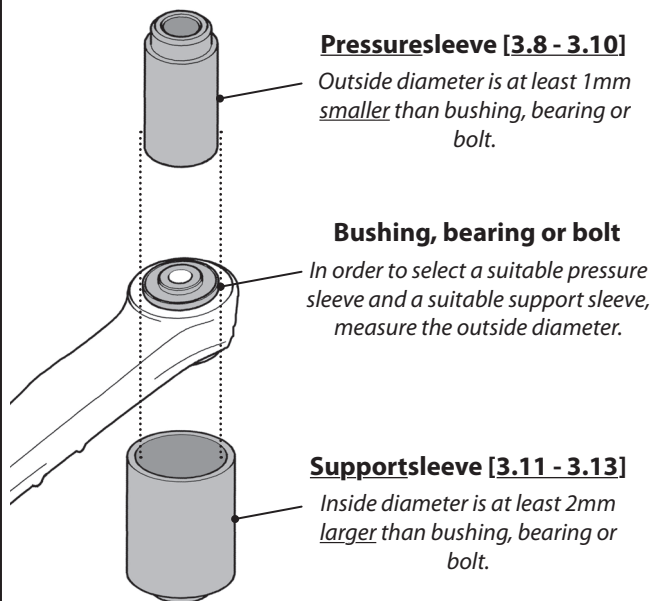
The press frame can fall down during the adjustment of its length; falling parts can lead to **SEVERE INJURIES** of the feet!

- **Always** put down the press frame safely to prevent it from dropping (for example on a workbench)!
- **Always** wear your personal protective equipment (safety shoes) during work!

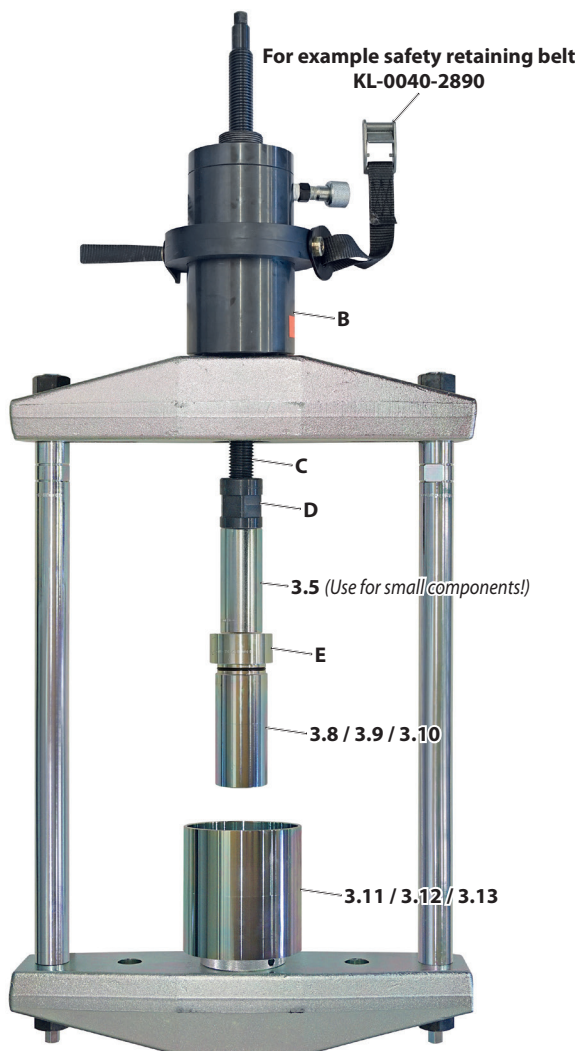
Depending on the space available on the vehicle, the press frame can be adjusted in length as described below.

1. Loosen and remove the collar nuts [3.3] completely anti-clockwise, thereby counterhold the pull rods [3.1]. **4A**
2. Remove the base plate [3.4] from the pull rods [3.1]. **4B**
3. Completely screw the pull rod extensions [3.6] clockwise on the pull rods [3.1] and tighten them with 50Nm. **4B**
4. Mount the base plate [3.4] in the correct position on the pull rod extensions [3.6]. **4B+C**
5. Tighten both collar nuts [3.3] clockwise with 50Nm, thereby counterhold the pull rods [3.1]. **4C**

📷 5: Determine the pressure sleeve and the support sleeve



📷 6: Prepare press frame accordingly



3.6 Preparing the vehicle

1. Lift the vehicle safely according to the manufacturer's instructions and loosen or prepare all necessary parts for pressing out the bushing, the bearing or the bolt.

3.7 Determine the pressure and support sleeve

CAUTION

If a pressure sleeve is used that is too large, it can get stuck in the mounting hole when the bushing, bearing or bolt is pressed out.

- Select a pressure sleeve with an **outside diameter that is at least 1 mm smaller** than the **outside diameter** on the bushing, bearing or bolt.

1. Select an appropriate pressure sleeve [3.8-3.10] and therefore measure the outside diameter on the bushing, bearing or bolt. 📷 5

- 📌 For other pressure sleeves see the GEDORE Automotive main catalogue.

CAUTION

If a support sleeve is used that is too large, it can get stuck in the mounting hole when the bushing, bearing or bolt is pressed out.

- Select a support sleeve with an **inside diameter that is at least 2 mm larger** than the **outside diameter** on the bushing, bearing or bolt.

2. Select an appropriate support sleeve [3.8-3.10] and therefore measure the **outside diameter** on the bushing, bearing or bolt. 📷 5

- 📌 For other support sleeves see the GEDORE Automotive main catalogue.

3.8 Prepare the press frame

⚠ WARNING

The press frame can fall down when used on the vehicle, thus falling parts can cause **DEATH** or **SERIOUS INJURY** to the head.

- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!

CAUTION

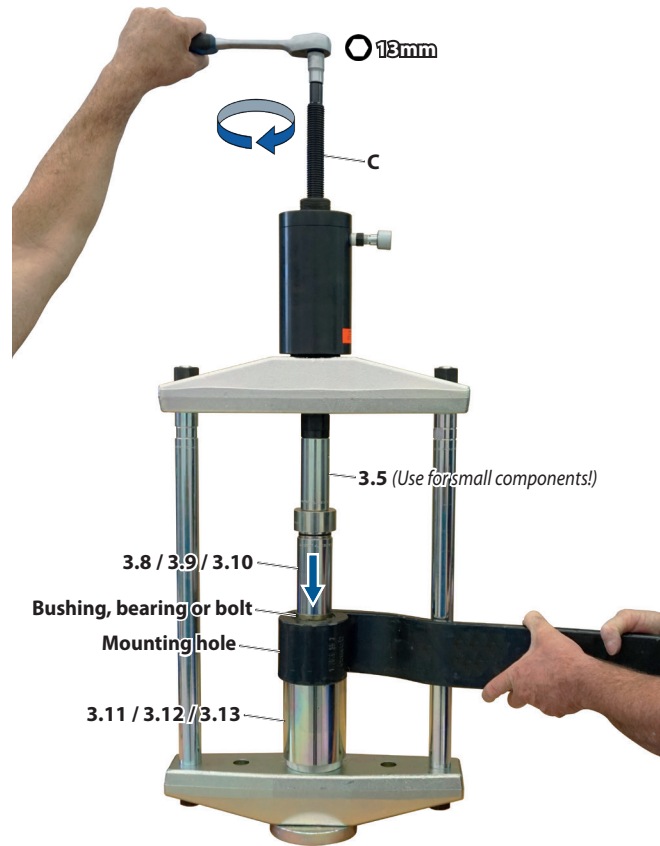
The pressure spindle [C] can bend under high load when pressing out the bushing, bearing or bolt.

- Hold the thrust spindle [C] as short as possible, in order to avoid deformation or damage!
- **Be sure** to use the pressure nut extension [3.5] for narrow components.

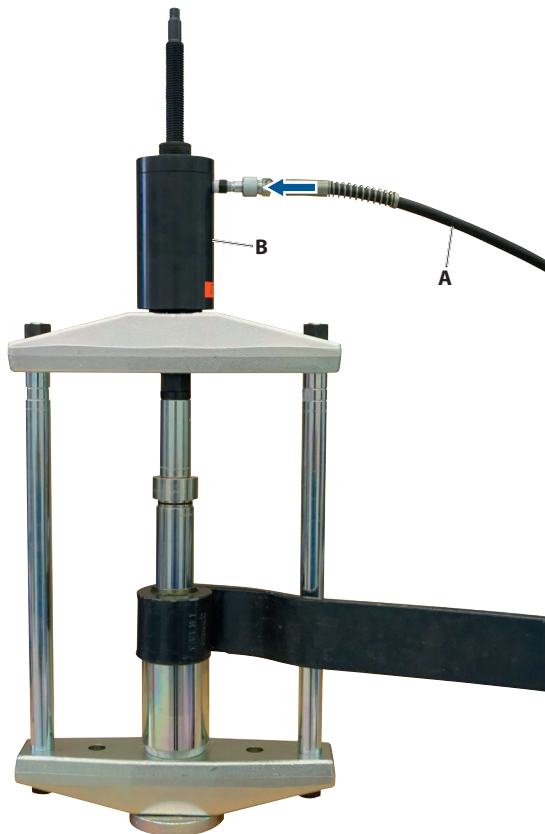
1. Prepare the press frame accordingly as shown in 📷 6.

- 📌 Observe the pull or the thrust side of the hydraulic cylinder [B]!

📷7: Position the press frame and secure it.



📷8: Connect hydraulic pump [A] to hydraulic cyl. [B].



4. TYPICAL APPLICATION

This typical example shows the process of stationary pressing out and pressing in a bearing bush on a workbench.

① Pressing out and pressing in, whether stationary on a workbench or directly on the vehicle always takes place according to the same principle.

4.1 Pressing out: Bushing, bearing or bolt

⚠️ WARNING

The press frame can fall down when used on the vehicle, thus falling parts can cause **DEATH** or **SERIOUS INJURY** to the head.

- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!

⚠️ CAUTION

The pressure spindle [C] can bend under high load when pressing out the bushing, bearing or bolt.

- Hold the thrust spindle [C] as short as possible, in order to avoid deformation or damage!
- **Be sure** to use the pressure nut extension [3.5] for narrow components.

1. Place and secure the prepared press frame on the bushing, bearing or bolt with the help of a second skilled person.

To do this, turn the thrust spindle [C] clockwise until the pressure sleeve [3.8-3.10] rests firmly and securely against the bushing, bearing or bolt. 📷7

Align the press frame in such a way that on the one hand the pressure sleeve [3.8-3.10] is fully and centrally in contact with the bushing, bearing or bolt. As well as the bushing, bearing or bolt can be pulled smoothly into the inside diameter of the support sleeve [3.11-3.13].

① When pressing out the bushing, bearing or bolt, the breakaway torque can be extremely high, therefore keep the thrust spindle [C] as short as possible and use the thrust net extension [3.5] if necessary.

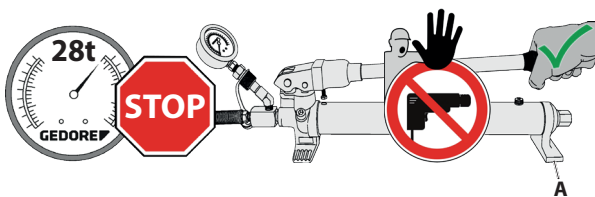
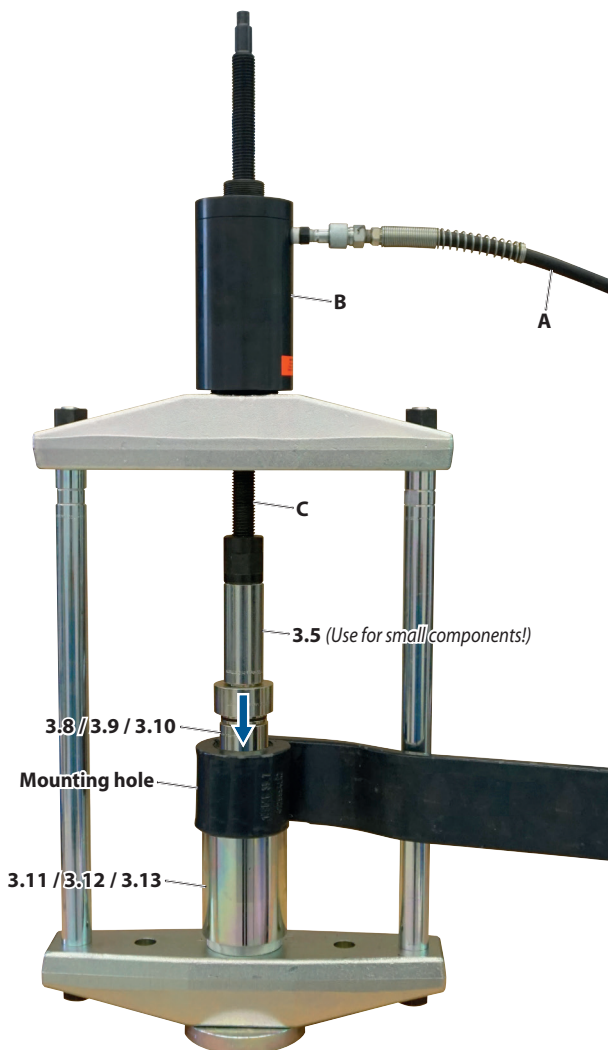
⚠️ WARNING

The press frame may break if a machine-operated hydraulic cylinder/pump combinations which is used; ejected parts may lead to **DEATH** or **SERIOUS INJURIES!**

- Use the press frame **exclusively** with a muscle-powered, manually operated **GEDORE Automotive** hydraulic cylinder / pump combination with a manometer for reliable pressure control!

2. Connect hydraulic pump [A] to hydraulic cylinder [B]. 📷8

9: Press out bushing, bearing or bolt.



i The max. stroke of the hydraulic cylinder [B] is 50mm!

As soon as it is reached:
Interrupt pressing, release the pressure at the hydraulic pump [A] screw in the thrust spindle [C] until the pressure sleeve [3.8 - 3.10] rests against the bushing, bearing or bolt again, continue pressing

⚠ WARNING

When pressing out the bushing, the bearing or the bolt the press frame can break in the event of an overload or misapplication, thereby causing flinging fragments and parts to cause **DEATH** or **SERIOUS INJURY!**

- **Never** exceed the press frame's **maximum load of 28 tonnes!**
- **Never** use the press frame with a machine-operated hydraulic cylinder/pump combination!
- **Never** use the press frame when its damaged!
- Always wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

The press frame can fall down when used on, thus falling parts can cause **DEATH** or **SERIOUS INJURY** to the head.

- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!

CAUTION

The thrust spindle [C] can bend under high load when pressing out the bushing or bolt.

- Hold the thrust spindle [C] as short as possible, in order to avoid deformation or damage!
- **Be sure** to use the pressure nut extension [3.5] for narrow components.

The bushing, the bearing or the bolts as well as the pressure/support sleeves can be damaged when pressing out.

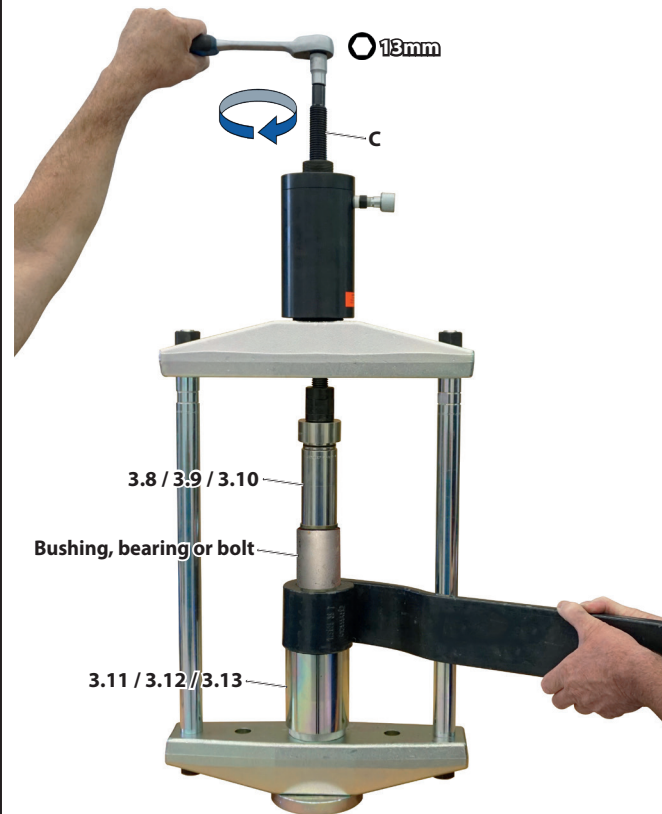
- Make sure that the pressure sleeve [3.8-3.10] is in full contact with the bushing, bearing or bolt!.
- Make sure that the support sleeve [3.11-3.13] is centred on the mounting hole and that the bushing, bearing or bolt fits smoothly through the inner diameter!

3. Operate the hydraulic pump [A], observe the pressure on the pressure gauge and press out the bushing, bearing or bolt **9**

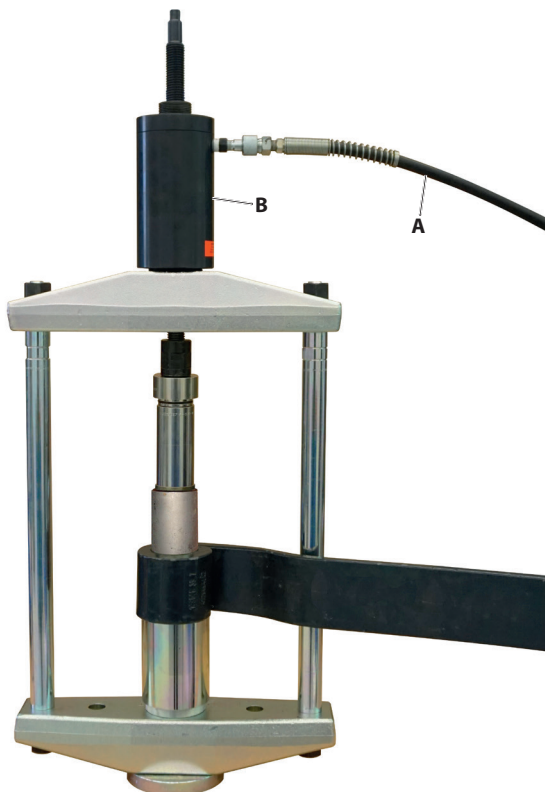
i The maximum stroke of the hydraulic cylinder [B] is 50mm! As soon as it is reached: Interrupt the process of pressing out, release the pressure at the hydraulic pump [A], screw in the thrust spindle [C] until the pressure sleeve [3.8-3.10] rests against the bushing, bearing or bolt again, continue pressing out.

4. After pressing out, relieve thy hydraulic cylinder [B] via the hydraulic pump [A] and, with the help of a second specialist, remove the press frame at the bushing, bearing or bolt.

📷 10: Position the press frame and secure it.



📷 11: Connect hydraulic pump [A] to hydraulic cyl. [B].



4.2 Pressing in: Bushing, bearing or bolt

⚠️ WARNING

The press frame can fall down when used on the vehicle, thus falling parts can cause **DEATH** or **SERIOUS INJURY** to the head.

- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!

1. Place and secure the prepared press frame on the bushing, bearing or bolt on the mounting hole with the help of a second skilled person

To do this, screw in the thrust spindle [C] clockwise until the pressure sleeve [3.8-3.10] with the bushing, bearing or bolt is firmly and securely in contact with the mounting hole. **📷 10**

Align the press frame in such a way that the pressure sleeve [3.8-3.10] with the bushing, bearing or bolt is in a straight line and in the correct position in relation to the mounting hole according to the manufacturer's specifications.

⚠️ WARNING

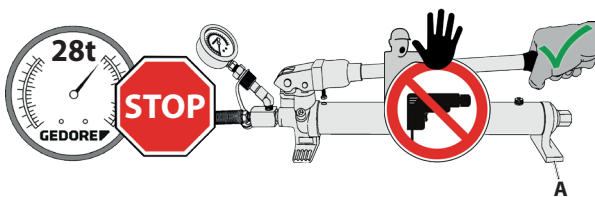
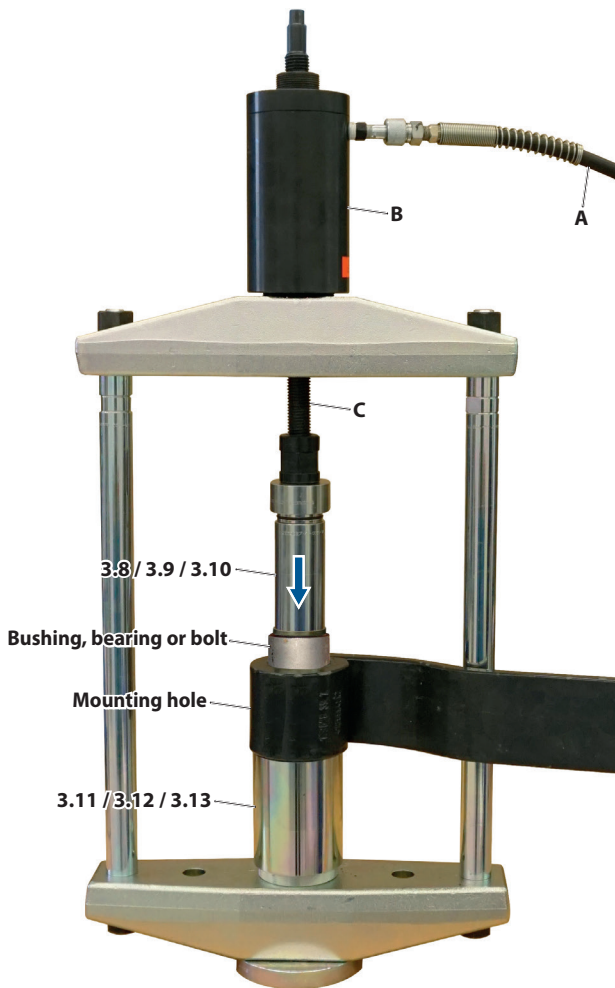
The press frame may break if a machine-operated hydraulic cylinder/pump combinations which is used; ejected parts may lead to **DEATH** or **SERIOUS INJURIES!**

- Use the press frame **exclusively** with a muscle-powered, manually operated **GEDORE Automotive** hydraulic cylinder / pump combination with a manometer for reliable pressure control!

2. Connect hydraulic pump [A] to hydraulic cylinder [B].

📷 11

12: Press in bushing, bearing or bolt.



i The max. stroke of the hydraulic cylinder [B] is 50mm!
As soon as it is reached:
 Interrupt pressing, release the pressure at the hydraulic pump [A] screw in the thrust spindle [C] until the pressure sleeve [3.8 - 3.10] rests against the bushing, bearing or bolt again, continue pressing

! WARNING

When pressing in the bushing, the bearing or the bolt the press frame can break in the event of an overload or misapplication, thereby causing flinging fragments and parts to cause **DEATH** or **SERIOUS INJURY!**

- **Never** exceed the press frame's **maximum load of 28 tonnes!**
- **Never** use the press frame with a machine-operated hydraulic cylinder/pump combination!
- **Never** use the press frame when its damaged!
- Always wear your personal protective equipment (safety goggles, protective gloves, safety shoes) when working!

The press frame can fall down when used on, thus falling parts can cause **DEATH** or **SERIOUS INJURY** to the head.

- **Always** secure the press frame against falling down, for example with the safety retaining belt - **KL-0040-2890** or with the mounting device - **KL-0040-288** and a transmission jack!

CAUTION

The bushing, the bearing or the bolts as well as the pressure/support sleeves can be damaged when pressing in.

- Pay attention to the installation position of the bushing, bearing or bolt as specified by the manufacturer!
- Make sure that the pressure sleeve [3.8-3.10] is in full contact with the bushing, bearing or bolt!.
- Make sure that the support sleeve [3.11-3.13] is in the centre of the mounting hole!

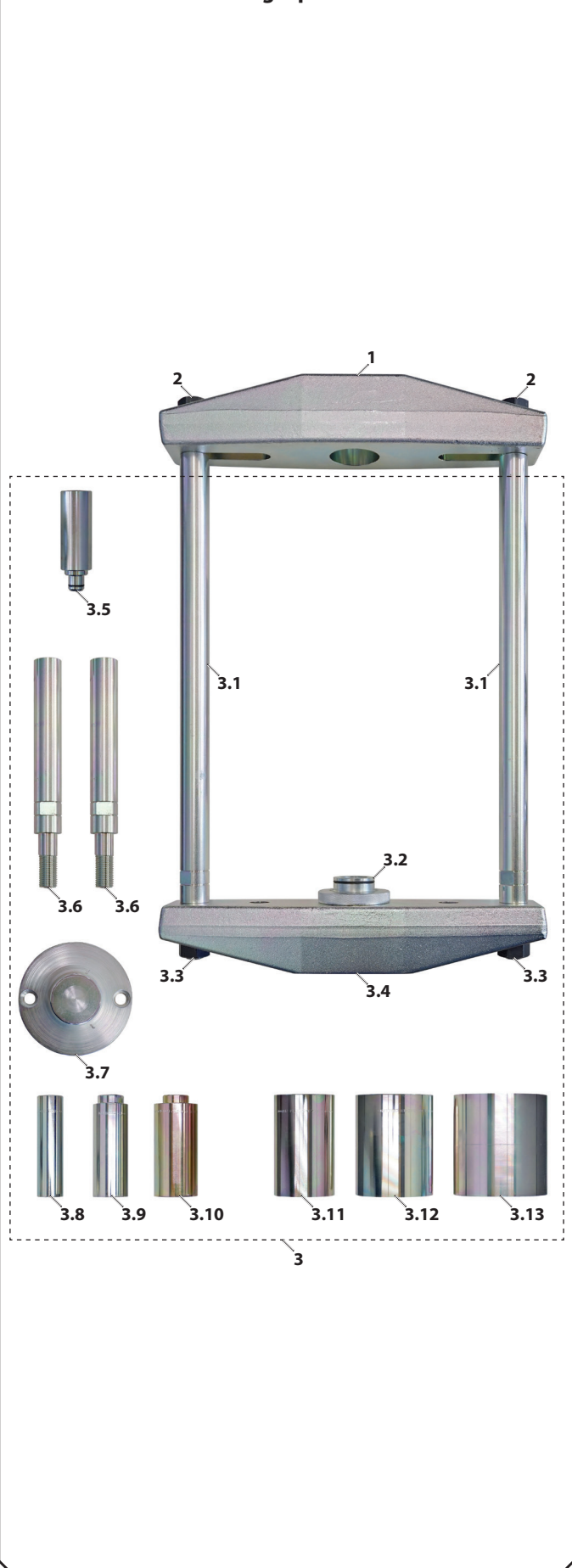
3. Operate the hydraulic pump [A], observe the pressure on the pressure gauge and press in the bushing, bearing or bolt **12**

i The maximum stroke of the hydraulic cylinder [B] is 50mm! As soon as it is reached: Interrupt the process of pressing in, release the pressure at the hydraulic pump [A], screw in the thrust spindle [C] until the pressure sleeve [3.8-3.10] rests against the bushing, bearing or bolt again, continue pressing out.

4. After pressing in, relieve thy hydraulic cylinder [B] via the hydraulic pump [A] and, with the help of a second specialist, remove the press frame at the bushing, bearing or bolt.

5. Perform further work as specified by the manufacturer.

Fig 13: Overview of the single parts: KL-1039-111



5. CARE AND STORAGE

CAUTION Benzene and chemical solvents can damage plastic parts. After each use, clean all parts with a clean cloth only. To protect them against corrosion, lightly rub all metal parts after use with an anti-corrosion oil or wax that is suitable for tool care. Keep the special tool in a dry and clean place.

6. MAINTENANCE AND REPAIR

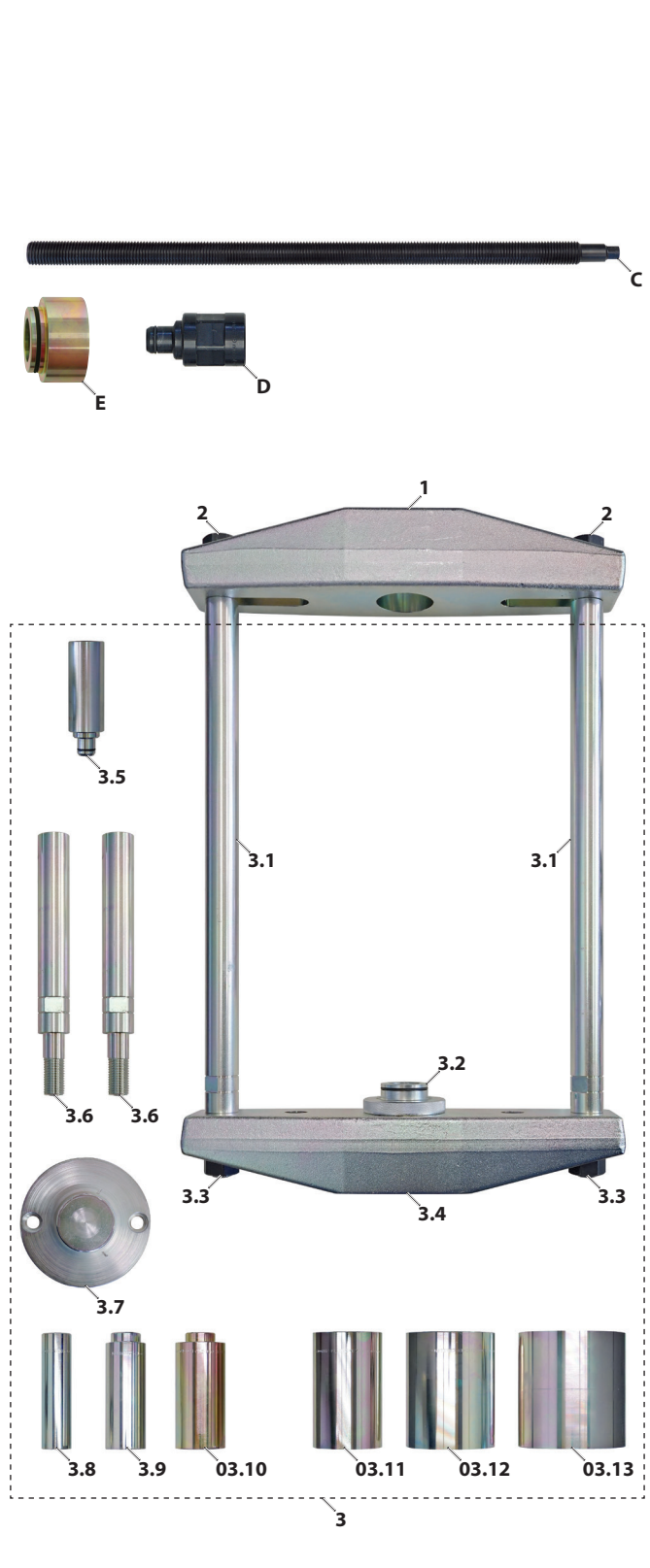
WARNING If you detect damage to the special tool, it must no longer be used for safety reasons! Professional inspection and repair may only be carried out by specially trained experts from **GEDORE Automotive GmbH**. Improper repair of the special tool can result in **DEATH** or **SEVERE INJURIES**.

7. SINGLE COMPONENT OVERVIEW

KL-1039-111 - Commercial vehicle press frame 28t

Item	Part no.	Description	Qty.
1	KL-1005-1011	Base plate 2¾"-16 UN	1
2	KL-1005-1014	Hex collar nut M22	2
3	KL-1039-1111	Press frame 28t Addition to KL-1005-10	1
3.1	KL-1039-1102	Pull rod M22	2
3.2	KL-1039-1105	Adapter 2¾"-16 UNS on 30 dia. with o-ring	1
3.3	KL-1005-1014	Hex collar nut M22	2
3.4	KL-1039-1101	Base plate 2¾"-16 UN without long hole	1
3.5	KL-1039-1106	Extension for thrust nut M24	1
3.6	KL-1039-1103	Extension for pull rod M22	2
3.7	KL-1039-1107	Bearing base	1
3.8	KL-0039-1730	Pressure sleeve long 30mm dia. / 22mm dia.	1
3.9	KL-0039-1740	Pressure sleeve long 40mm dia. / 32mm dia.	1
3.10	KL-0039-1750	Pressure sleeve long 50mm dia. / 42mm dia.	1
3.11	KL-0039-1770	Support sleeve long 70mm dia. / 62mm dia.	1
3.12	KL-0039-1790	Support sleeve long 90mm dia. / 82mm dia.	1
3.13	KL-1039-7110	Support sleeve long 110mm dia. / 102mm dia.	1

14: Overview of the single parts: KL-1039-110



KL-1039-110 - Commercial vehicle press frame 28t, complete

Item	Part no.	Description	Qty.
1	KL-1005-1011	Base plate 2¾"-16 UN	1
2	KL-1005-1014	Hex collar nut M22	2
3	KL-1039-1111	Press frame 28 t Addition to KL-1005-10	1
3.1	KL-1039-1102	Pull rod M22	2
3.2	KL-1039-1105	Adapter 2¾"-16 UNS on 30 dia. with o-ring	1
3.3	KL-1005-1014	Hex collar nut M22	2
3.4	KL-1039-1101	Base plate 2¾"-16 UN without long hole	1
3.5	KL-1039-1106	Extension for thrust nut M24	1
3.6	KL-1039-1103	Extension for pull rod M22	2
3.7	KL-1039-1107	Bearing base	1
3.8	KL-0039-1730	Pressure sleeve long 30mm dia. / 22mm dia.	1
3.9	KL-0039-1740	Pressure sleeve long 40mm dia. / 32mm dia.	1
3.10	KL-0039-1750	Pressure sleeve long 50mm dia. / 42mm dia.	1
3.11	KL-0039-1770	Support sleeve long 70mm dia. / 62mm dia.	1
3.12	KL-0039-1790	Support sleeve long 90mm dia. / 82mm dia.	1
3.13	KL-1039-7110	Support sleeve long 110mm dia. / 102mm dia.	1
C	KL-0040-2812-1	Pull/thrust spindle	1
D	KL-0040-2812-5	Thrust nut	1
E	KL-0039-1002	Adapter	1

8. ENVIRONMENTALLY COMPLIANT DISPOSAL

Dispose of special tool and packaging material in accordance with the legal requirements in an environmentally friendly manner.

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