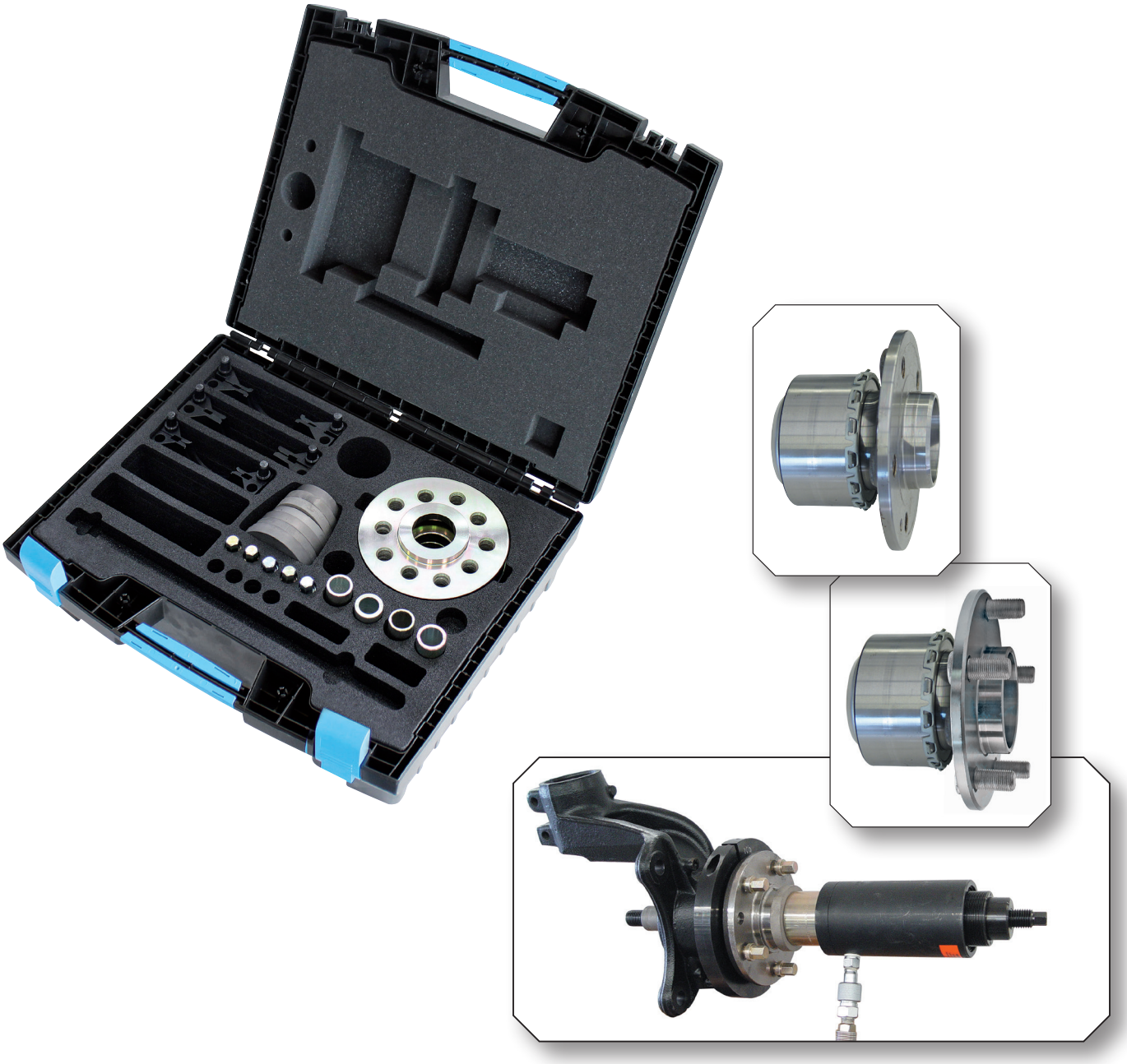
GEDORE
KLANN EXPERIENCE

Operating instructions EN

KL-0041-4..

Wheel Bearing Mounting Tool Series for Wheel Hub Bearing Units



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CONTENTS

1. READ AND UNDERSTAND FOR YOUR SAFETY

Read and understand these operating instructions **before using** the wheel bearing mounting tool and observe all safety and warning instructions! Misuse can result in **DEATH** or **SEVERE INJURIES** ! The operating instructions are part of the wheel bearing mounting tool. Keep these operating instructions at a safe place for future reference, and always pass them on to subsequent users of the wheel bearing mounting tool! The wheel bearing mounting tool complies with the recognised rules of technology as well as the relevant safety regulations!

1.1 Target group

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

The wheel bearing mounting tool **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, inexperienced persons, minors and children, or persons with limited physical, sensory, and mental abilities to use the wheel bearing mounting tool!

1.2 Obligations of the owner

Pursuant to the German Ordinance on Industrial Safety and Health *(BetrSichV)*, employers are obliged to provide their employees with safe work equipment in accordance with the recognised rules of technology and the relevant safety regulations!

- The owner of the wheel bearing mounting tool **must** ensure that **only** trained personnel in specialised vehicle workshops use the wheel bearing mounting tool!
- The owner of the wheel bearing mounting tool **must** ensure that the instructions for use are available to the user and that the user has completely read and understood the instructions for use **before** using the wheel bearing mounting tool!
- The owner of the wheel bearing mounting tool **must** ensure that the user is familiar with the basic regulations on work safety and accident prevention and that the personal protective equipment is available to him!

1.3 Intended use

The wheel bearing mounting tool ...

- **may only be used** be used for pressing in wheel hub bearing units on cars and vans!
- **may only** be used on vehicles or wheel hub bearing units as specified in **Chapter 2. - Product description**!
- **may only** be used up to a **max. load of 17 tonnes**!
- **may only** be operated by hand with muscle power with a manual drive or a manually operated **GEDORE Automotive** hydraulic cylinder/pump combination with pressure gauge for safe pressure control!
- **may only** be used with **GEDORE Automotive** genuine spare parts and accessories!
- **may only** be used in the way described in these operating instructions!

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

1.4 Reasonably foreseeable misuse

The wheel bearing mounting tool ...

- **must never** be used for pressing in other bearings and parts or in any other way than intended!
- **must never** be used together with an impulse or impact screwdriver!
- **must never** be used with a machine drive or a machine-operated hydraulic cylinder/pump combination or any other drive than intended!
- **must never** be used for batch processing with numerous pressing in/out processes within a few minutes!
- **must never** be used with a bridged, modified, or removed safety device!
- **must never** be modified, converted, or used for other purposes without authorisation!

⚠ Use the wheel bearing mounting tool **always** as intended. Any other use can result in **DEATH** or in **SEVERE INJURIES**!

1.5 Personal protective equipment

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

Wear **EYE PROTECTION** *(for example to DIN EN 166, OSHA 29 CFR 1910.133, ANSI Z87)* when using the wheel bearing mounting tool to protect yourself against flinging parts or particles!

- When using the wheel bearing tool, flying parts or particles can cause **SEVERE INJURIES** to your **eyes**!

Wear **PROTECTIVE GLOVES** *(for example to DIN EN 388, OSHA 29 CFR 1910.138, ANSI 105)* when using the wheel bearing mounting tool to protect yourself against sharp edges and crushing between parts!

- When working with the wheel bearing mounting tool, sharp edges and crushing between parts can cause **SEVERE INJURIES** to your **hands**!

Always **wear SAFETY SHOES** *(for example to DIN EN ISO 20345, OSHA 29 CFR 1910.136, ANSI Z41)* when using the wheel bearing mounting tool to protect yourself against falling parts!

- When working with the wheel bearing mounting tool, dropping parts can cause **SEVERE INJURIES** to your **feet and toes**!

1.6 Labelling of the warnings

Warnings warn of potential **hazards**. **Always** observe these warnings to avoid **DEATH** or **INJURIES**!

For better differentiation, warnings in these operating instructions are classified as follows:	
Warning sign	**Meaning**
⚠WARNING	**Indicates** a hazardous situation which, if not avoided, could cause **DEATH** or **SEVERE INJURIES.**
⚠CAUTION	**Indicates** a hazardous situation which, if not avoided, could cause **MODERATE** or **MINOR INJURIES**.
CAUTION	**Indicates** a situation which, if not avoided, could cause damage to the tool or an object in its vicinity.
ⓘ	**Note** on important information and useful tips.

1.7 Work environment

For your safety, **only** use the wheel bearing mounting tool in a safe working environment.

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

1.8 Emissions

Molybdenum disulphide paste and hydraulic oil can drip or escape when using the wheel bearing mounting tool and thus pose a hazard to the environment.

- **Immediately** remove leaking hydraulic oil as well as excess molybdenum disulphide paste (using oil binding agents or a cleaning cloth, for example).
- In case of skin contact with hydraulic oil, clean the affected area **immediately** with degreasing soap and water.
- Dispose of pollutants such as hydraulic oil and molybdenum disulphide paste **always in an environmentally friendly** manner.
- Safety data sheets *in accordance with Regulation (EC) No. 1907/2006*, for hydraulic oil **(Alsus Hyd HLP 32)** as well as for molybdenum disulphide paste **(MOLYKOTE® G-N PLUS PASTE)** can be found on the manufacturer's site on the Internet (**W**orld **W**ide **W**eb) or, if required, contact **GEDORE Automotive GmbH**.

1.9 Basic safety instructions and warnings

⚠WARNING - Failure to observe this warning may result in an accident or death.

When using the wheel bearing mounting tool, **always** observe the following safety and warning instructions as well as measures to avoid **DEATH** or **SERIOUS INJURY** as well as property damage due to hazards, misuse, abuse and unsafe handling!

- Therefore read and understand these operating instructions **before using** the wheel bearing mounting tool and observe all safety and warning instructions for **safe use**!
- **Always** work with the wheel bearing mounting tool in accordance with the basic regulations on work safety, accident prevention and environmental protection!
- **Always** use the wheel bearing mounting tool as intended. **GEDORE Automotive GmbH** accepts no liability or warranty or guarantee claims for injuries and damage resulting from improper use or failure to observe the safety regulations.
- **Before each use**, check the wheel bearing mounting tool **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies! Professional inspection and repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH!**
- **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the wheel bearing mounting tool!
- **Always** observe the vehicle-specific manufacturer's specifications when working with the wheel bearing mounting tool!
- Secure the wheel bearing mounting tool against falling down and flinging around, for example by holding it or by using the **GEDORE** safety retaining belt - **KL-0040-2590** or, alternatively, the retaining device **KL-0040-258 A**!
- **Never** use the wheel bearing mounting tool with an impulse or impact wrench or any other drive than intended! Drive it **only** by hand and with muscle power; use a manual drive or a manually operated **GEDORE Automotive** hydraulic cylinder/pump combination with a pressure gauge for safe pressure control!
- **Never** use the wheel bearing mounting tool for batch processing with numerous forcing in/out processes within a few minutes!
- **Never** use the wheel bearing mounting tool when you are tired or under the influence of alcohol, drugs, or medication!
- **If necessary,** carry, lift, and position the SEVERE parts of the wheel bearing mounting tool with the help of a second specialist!
- **Before using** the wheel bearing mounting tool, make sure that **no** unauthorised persons are in the immediate environment!
- **Always** observe the **max. loading capacity** when using the wheel bearing mounting tool, and **never** exceed it!
- **Never** stand in axial extension of the wheel bearing mounting tool when it is under load!
- Wear your personal protective equipment such as safety goggles, protective gloves, safety shoes during work!
- Interrupt your work **immediately** if you are unsure about using the wheel bearing mounting tool , and contact **GEDORE Automotive GmbH**!
- **Always** make sure that the wheel bearing mounting tool is securely attached to the vehicle!
- **Never** leave the wheel bearing mounting tool unattended in loaded condition on the vehicle!
- **Never** hit the wheel bearing mounting tool with a hammer or other objects and **never** clamp it in a vice!
- **Always** avoid dropping, hitting or knocking the wheel bearing mounting tool, especially when it is under load! **Always** place it on a clean shelf or workbench to prevent it from falling down!
- **Before each use**, check moving parts and the spindles on the wheel bearing mounting tool for sufficient lubrication. If necessary, lubricate them **exclusively** with molybdenum disulphide paste (e.g. **GEDORE Automotive - KL-0014-0030)**!
- Interrupt your work **immediately** if you are unsure about using the wheel bearing mounting tool , and contact **GEDORE Automotive GmbH**!
- For safety reasons, ensure that a damaged wheel bearing mounting tool is no longer used! Professional inspection and repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH**!

1.10 Maintenance

Perform maintenance on the wheel bearing mounting tool **at regular intervals** and **only** when the tool is depressurised and/or de-energised! Poor and improper maintenance can damage the wheel bearing mounting tool, thus causing **DEATH** or **SEVERE INJURIES**!

Prior to each use:

- **Prior to each use**, check the wheel bearing mounting tool **carefully** for damage, loose parts or unauthorised modifications!
- **Prior to each use** of the wheel bearing mounting tool, check the spindle for contamination and damage. If necessary, clean them, and subsequently lubricate them **only** with molybdenum disulphide paste! (for example, **GEDORE Automotive - KL-0014-0030**)

Recommended: Every 24 months:

- Have the wheel bearing mounting tool professionally checked **every 24 months** by authorised **GEDORE Automotive GmbH** specialists!

1.11 Troubleshooting

Always perform troubleshooting on the wheel bearing mounting tool when it is depressurised/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.

Problem: The hydraulic hand pump does not build up pressure or only very slowly.
Reason: The pressure release valve on the hydraulic hand pump is open or hydraulic oil is missing.
Remedy: Close the pressure release valve on the hydraulic pump completely. Top up lacking hydraulic oil **(HLP 32)** at the hydraulic hand pump.

1.12 Care / Storage

CAUTION

Improper care and storage can damage the wheel bearing mounting tool.

- Therefore, **never** immerse the wheel bearing mounting tool in water, solvents, or other cleaning liquids.
- After use, clean all parts with a dry and clean cleaning cloth.
- Store the wheel bearing mounting tool and the operating instructions at a dry and clean place.

1.13 Repair

⚠WARNING

Improper repair of the wheel bearing mounting tool can result in **DEATH** or **SEVERE INJURIES**.

- If damage, loose parts or unauthorised modifications have been found on the wheel bearing mounting tool, it must no longer be used for safety reasons!
- Repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH**!
- **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the wheel bearing mounting tool!

If necessary, contact us, the **GEDORE Automotive GmbH** for a professional inspection and repair of the wheel bearing mounting tool.

1.14 Environmentally friendly disposal

Dispose of the the wheel bearing mounting tool and its packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities about environmentally friendly disposal options.

2. PRODUCT DESCRIPTION

2.1 KL-0041-4.. - Wheel bearing mounting tool Series for wheel hub bearing units

The wheel bearing mounting tool series enables a quick and professional installation of wheel hub bearing units either with or without a locking ring. The special design of the tool ensures that during installation the applied press-in force only acts on the wheel bearing outer ring and not on the wheel hub in front of it. This prevents the wheel bearing from being damaged.

Scope of delivery and single part overview

*See **chapter 2.2***

KI-0041-480 A / EA / KA - Wheel bearing mounting tool Ø 72/78/82/85mm

Fits with VW, Audi, Seat, and Škoda with wheel bearing Ø 72, 78, 82, 85mm.

Wheel bearing Ø 72mm installed on for ex. the front axle of VW Polo IV (9N), Fox (5Z); Audi A2 (8Z0); Seat Ibiza III (6L1); Škoda Fabia I (6Y).

Wheel bearing Ø 78mm installed on for ex. the front axle of Ford Focus II (DA / DB / DH / DP / DS), C-Max (DM2); Mazda 3 (BK) Volvo C30 (533), C70 II (542), S40 II (544), V50 (545).

Wheel bearing Ø 82mm installed on for ex. the front axle of Ford S-Max (WA6), Galaxy II (WA6), Mondeo IV (BA7); Volvo S60 II (134), S80 II (124), V60 (155), V70 III (135), XC60 (156), XC70 II (136) and Land Rover Freelander II (L359).

Wheel bearing Ø 85mm installed on for ex. the front and rear axle of VW T5 (7H/7E) and T6 (SG/SH), as well as on the front axle of VW Touareg (7L/7P) and Porsche Cayenne (9PA/92A).

KL-0041-441 C - Wheel bearing mounting tool Ø 72mm

Fits with VW, Audi, Seat, and Škoda with wheel bearing Ø 72mm.

Installed on for ex. the front axle of VW Polo IV (9N), Fox (5Z); Audi A2 (8Z0); Seat Ibiza III (6L1); Škoda Fabia I (6Y).

KL-0041-442 - Wheel bearing mounting tool Ø 78mm

Fits with VW, Audi, Seat, and Škoda with wheel bearing Ø 78mm.

Installed in for example the front axle of VW Polo VI (AW1/BZ1), T-Cross (C11), Taigo (CS1); Audi A1 (GBA/GBH); Seat Ibiza V (KJ1), Arona (KJ7); Škoda Scala (NW1), Kamiq (NW4).

KL-0041-451 B - Wheel bearing mounting tool Ø 85mm

Fits with VW and Porsche with wheel bearing Ø 85mm.

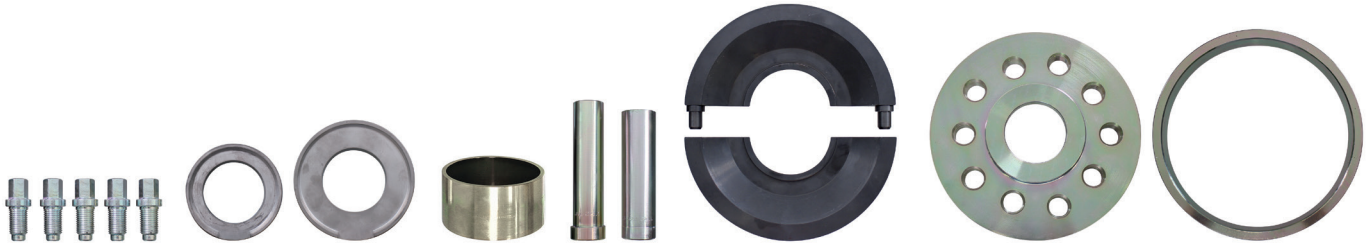
Installed on for ex. the front axle of VW Touareg (7L/7P) and Porsche Cayenne (9PA/92A), as well as on the front and rear axle of VW T5 (7H/7E) and T6 (SG/SH).

KL-0041-461 D - Wheel bearing mounting tool Ø 78/ 82mm

Fits with Ford, Mazda, Volvo and Land Rover with wheel bearing Ø 78 as well as 82mm.

Wheel bearing Ø 78mm installed on for ex. the front axle of Ford Focus II (DA / DB / DH / DP / DS), C-Max (DM2); Mazda 3 (BK) ; Volvo C30 (533), C70 II (542), S40 II (544), V50 (545).

Wheel bearing Ø 82mm installed on for ex. the front axle of Ford S-Max (WA6), Galaxy II (WA6), Mondeo IV (BA7); Volvo S60 II (134), S80 II (124), V60 (155), V70 III (135), XC60 (156), XC70 II (136) and Land Rover Freelander II (L359).



2.2 Scope of delivery / Overview of the single parts

ⓘ The table shows all components of the **KL-0041-4..** - wheel bearing mounting tool series.

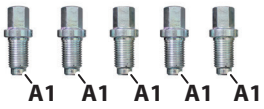
Prior to using the wheel bearing mounting tool, check to ensure that all the parts included in the scope of delivery are available.

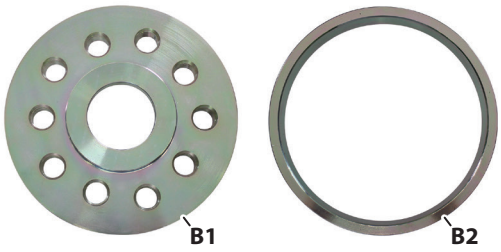
		Wheel bearing mounting tool kit				
		KL-0041-441 C	KL-0041-442	KL-0041-451 B	KL-0041-461 D	KL-0041-480 A / EA / KA
Thrust screws... A	**Item**					
KL-0041-3931 - Thrust screw M14x1.5mm	**A1**	● 5x	● 5x	● 5x	● 5x	● 5x
Housing + cover... B						
KL-0041-4608 D - Cover	**B1**				●	●
KL-0041-4607 - Housing	**B2**				●	●
Clamping jaws... C						
KL-0041-4400 C - Clamping jaw pair for Ø 72mm	**C1**	●				●
KL-0041-4600 E - Clamping jaw pair for Ø 78mm	**C2**		●		●	
KL-0041-4500 B - Clamping jaw pair for Ø 92mm	**C3**			●		●
Guide sleeves... D						
KL-0041-4602 - Guide sleeve Ø 26.3mm	**D1**				●	●
KL-0039-1802 - Guide sleeve Ø 27.4mm	**D2**	●	●			●
KL-0041-4601 - Guide sleeve Ø 29.5mm	**D3**				●	●
KL-0039-1803 - Guide sleeve Ø 29.7mm	**D4**			●		●
Pressure/support sleeves... E						
KL-0039-1674 - Pressure/support sleeve short, Ø 74 / 66mm	**E1**	●				●
KL-0039-1676 - Pressure/support sleeve, short Ø 76 / 68mm	**E2**		●			
KL-0039-1682 - Pressure/support sleeve short, Ø 82 / 74mm	**E3**				●	●
Thrust rings... F						
KL-0039-1265 - Thrust ring Ø 65mm	**F1**	●	●			●
KL-0039-1272 - Thrust ring Ø 72mm	**F2**				●	●
KL-0039-1273 - Thrust ring Ø 73mm	**F3**			●		●
KL-0039-1283 - Thrust ring Ø 83mm	**F4**			●		●
KL-0039-1288 - Thrust ring Ø 88mm	**F5**				●	●
KL-0039-1289 - Thrust ring Ø 89mm	**F6**			●		●
KL-0039-1502 - Thrust ring Ø 93mm	**F7**			●		●
Storage Systems...						
KL-4999-1317 A - Foam insert	**-**					*Only* **EA** + **KA**
KL-4999-1392 - Plastic case	**-**					*Only* **KA**
Required drive parts... Z						
KL-0040-2500 - Hydraulic cylinder, 17t	**$Z1^H$**					
KL-0039-1003 - Drive adapter for hydraulic cylinder	**$Z2^H$**					
KL-0039-1011 - Mounting adapter for mech. drive	**$Z2^M$**					
KL-0039-1920-1 - Pulling spindle M20 for hydr. drive	**$Z3^H$**					
KL-0039-2030 - Pull spindle M20 for mech. drive	**$Z3^M$**					
KL-0039-1002 - Mounting adapter for clamping nut	**Z4**					
KL-0039-2120-2 - Quick clamping nut M20	**$Z5^1$**					
KL-0040-3009 - Clamping nut M20	**$Z5^2$**					
KL-0215-35 M25 - Hydraulic hand pump, 17t	**$Z6^H$**					

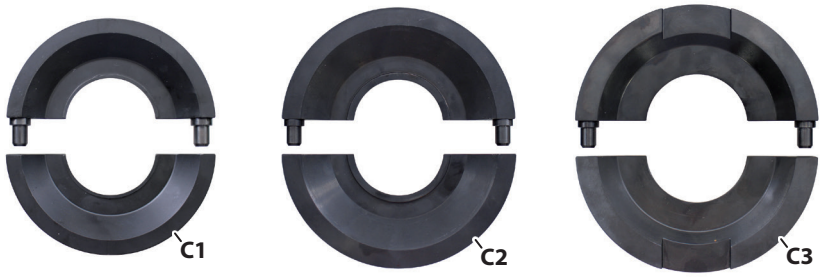
...^{H} = Hydraulic drive parts
...^{M} = Mechanical drive parts
...^{1}/...^{2} = Alternatively usable

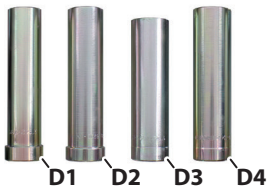
2.3 Specifications

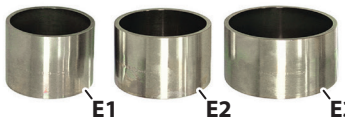
Maximum load capacity: ..... 17 tonnes

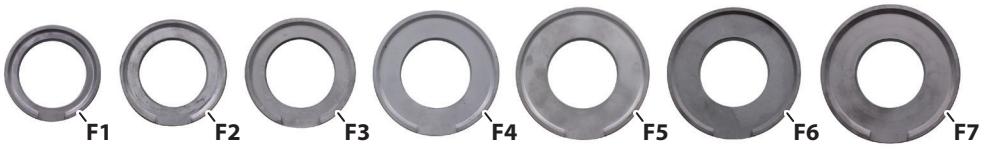


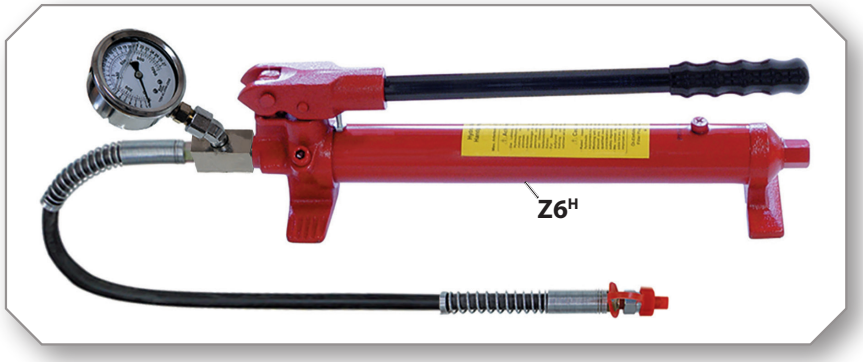








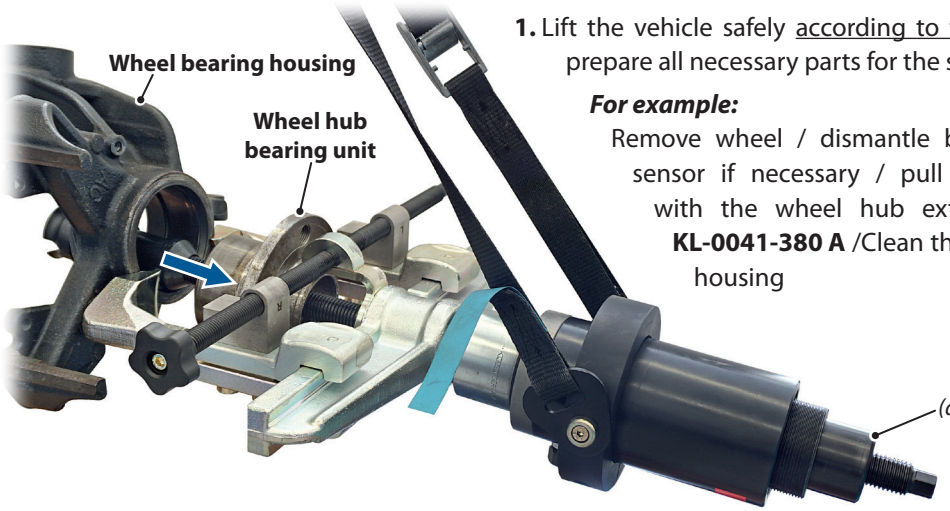




3. PREPARATION

3.1 Preparing the vehicle

1: Pulling off the wheel hub bearing unit on the wheel bearing housing...



1. Lift the vehicle safely according to the manufacturer's instructions and prepare all necessary parts for the subsequent work.

For example:

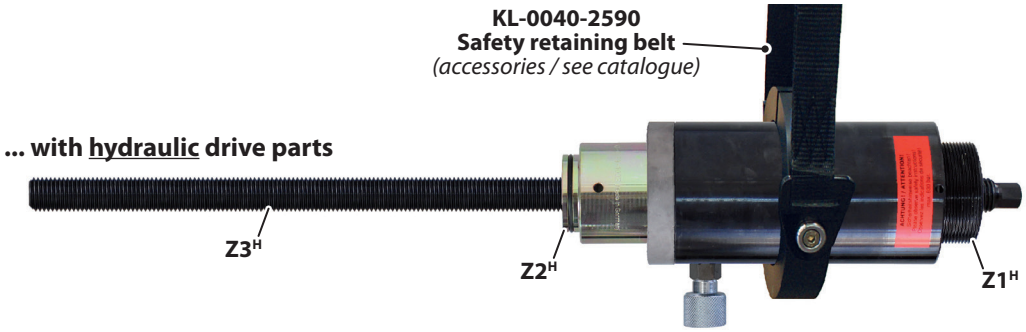
Remove wheel / dismantle brake / remove heat plate or ABS sensor if necessary / pull out wheel hub bearing unit e.g. with the wheel hub extractor available as an accessory- **KL-0041-380 A** /Clean the bearing seat on the wheel bearing housing

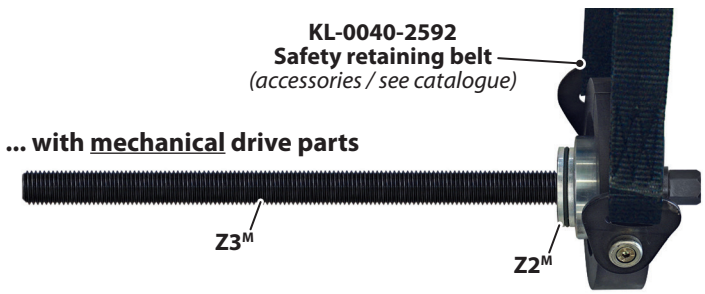
3.2 Preparing the tool

2: Assemble drive for wheel bearing mounting tool...

⚠WARNING

There is the risk of the wheel bearing mounting tool breaking and flinging around when a machine-operated drive is used. This can cause DEATH or SEVERE INJURIES! Therefore only operate the wheel bearing mounting tool by hand with muscle power with a manual drive or a manually operated GEDORE Automotive hydraulic cylinder/pump combination with pressure gauge for safe pressure control!





1. Prepare the required drive parts, either **hydraulic (..H)** or **mechanical (..M)**, as shown.

ⓘ ***The safety harnesses, which are available as an accessory, enable the securing of the wheel bearing mounting tool against dropping.***

ⓘ ***For other drive components and accessories see the GEDORE Automotive catalogue.***

4. TYPICAL APPLICATION

ⓘ The following application examples describe the installation of the wheel hub bearing unit with the wheel bearing mounting tool series - **KL-0041-4..** in conjunction with the hydraulic drive parts **(..H)**.

ⓘ When using mechanical drive parts **(..M)**, this process is always carried out according to the same principle.

4.1 Select the typical application example...

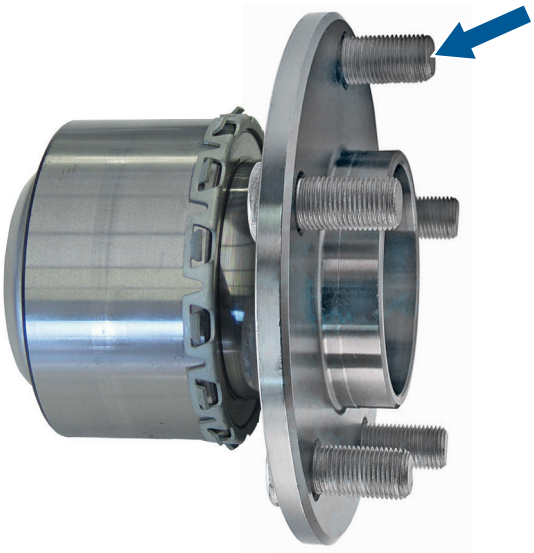
1. Depending on the wheel hub bearing unit, select a suitable application example from this overview.

What type of wheel hub bearing unit is it?

Wheel hub bearing unit with threaded holes

For a suitable application example, see **chapter 4.2**

Wheel hub bearing unit with threaded bolts



For a suitable application example, see **chapter 4.3**

4.2 Pressing in wheel hub bearing unit *(with threaded holes)*

3: Insert a suitable pair of clamping jaws [C..] in the correct position on the wheel hub bearing unit...

1. Select a suitable pair of clamping jaws [C..] depending on the vehicle or wheel bearing Ø.

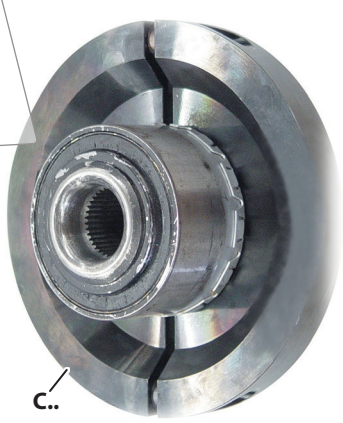
C1	***With wheel bearing Ø 72mm*** *installed on for ex. the* ***front axle*** *of VW Polo IV (9N), Fox (5Z); Audi A2 (8Z0); Seat Ibiza III (6L1); Škoda Fabia I (6Y).*
C2	***With wheel bearing Ø 78mm*** *e.g. on the* ***front axle*** *of VW Polo VI (AW1/BZ1), T-Cross (C11), Taigo (CS1); Audi A1 (GBA/GBH); Seat Ibiza V (KJ1), Arona (KJ7); Škoda Scala (NW1), Kamiq (NW4).*
	With wheel bearing Ø 82mm *for example on the* ***front axle*** *of Volvo S60 II (134), S80 II (124), V60 (155), V70 III (135), XC60 (156), XC70 II (136).*
C3	***With wheel bearing Ø 85mm*** *on for ex. the* ***front axle*** *of VW Touareg (7L/7P) and Porsche Cayenne (9PA/92A), as well as on the* ***front and rear axle*** *of VW T5 (7H/7E) and T6 (SG/SH).*
C..	

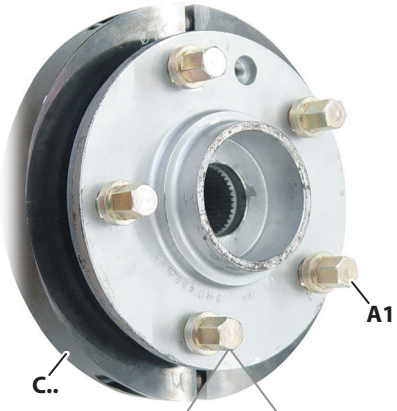
Wheel hub bearing unit
with threaded holes

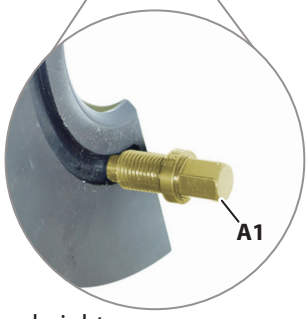
CAUTION

The wheel hub bearing unit can be damaged by an incorrectly inserted pair of clamping jaws [C..] during press-fitting. Therefore, always align the pair of clamping jaws [C..] so that they are seated completely and cleanly between the wheel hub and the wheel bearing!

2. Insert the pair of clamping jaws [C..] into the wheel hub bearing unit in the correct position as shown.





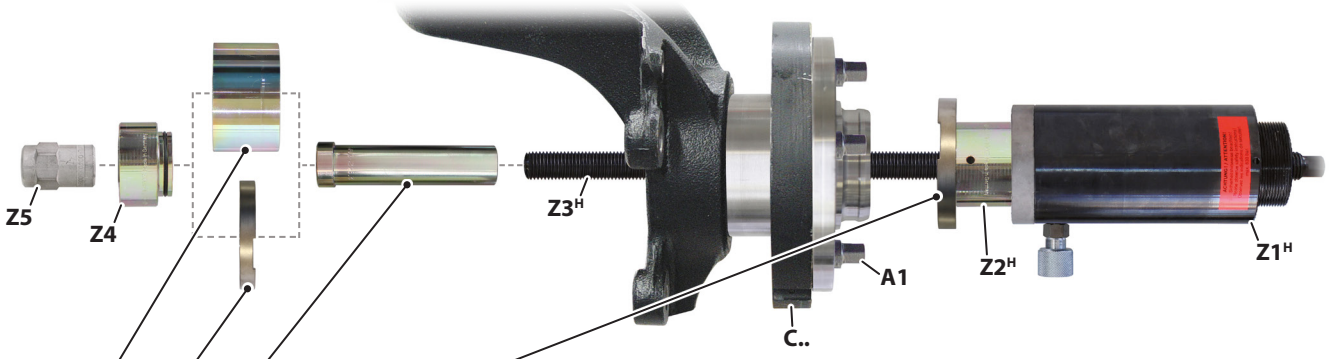


CAUTION

The wheel hub bearing unit can be damaged if the thrust screws A1] are tightened too much. The pressure screws [A1] are only used to slightly preload the wheel bearing! Therefore, only screw the thrust screws [A1] into the wheel hub by hand until the pair of clamping jaws [C..] presses against the wheel bearing over the entire surface and with slight pressure!

3. Screw the thrust screws **[A1]** into the wheel hub by hand so that they all lie at the same height with a little pressure in the groove on the pair of clamping jaws **[C..]**.

4: Assemble the wheel bearing mounting tool accordingly...



4. Depending on the vehicle or wheel bearing Ø, assemble the mounting tool on the wheel bearing housing as shown.

E..	F..	D..	F..	
E1	-	D2	F1	***With wheel bearing Ø 72mm*** *installed on for ex. the* ***front axle*** *of VW Polo IV (9N), Fox (5Z); Audi A2 (8Z0); Seat Ibiza III (6L1); Škoda Fabia I (6Y).*
E2	-	D2	F1	***With wheel bearing Ø 78mm*** *e.g. on the front axle of VW Polo VI (AW1/BZ1), T-Cross (C11), Taigo (CS1); Audi A1 (GBA/GBH); Seat Ibiza V (KJ1), Arona (KJ7); Škoda Scala (NW1), Kamiq (NW4).*
-	F5	D3	F2	***With wheel bearing Ø 82mm*** *for example on the* ***front axle*** *of Volvo S60 II (134), S80 II (124), V60 (155), V70 III (135), XC60 (156), XC70 II (136).*
-	F4	D4	F3	***With wheel bearing Ø 85mm*** *for example on the* ***front axle*** *of VW Touareg (7L/7P); Porsche Cayenne (9PA/92A).*
-	F6	D4	F3	***With wheel bearing Ø 85mm*** *for example. on the* ***rear axle*** *of VW T5 (7H/7E), T6 (SG/SH).*
-	F7	D4	F3	***With wheel bearing Ø 85mm*** *for example on the* ***front axle*** *of f VW T5 (7H/7E), T6 (SG/SH).*

5: Pressing in the wheel hub bearing unit according to the manufacturer's instructions...

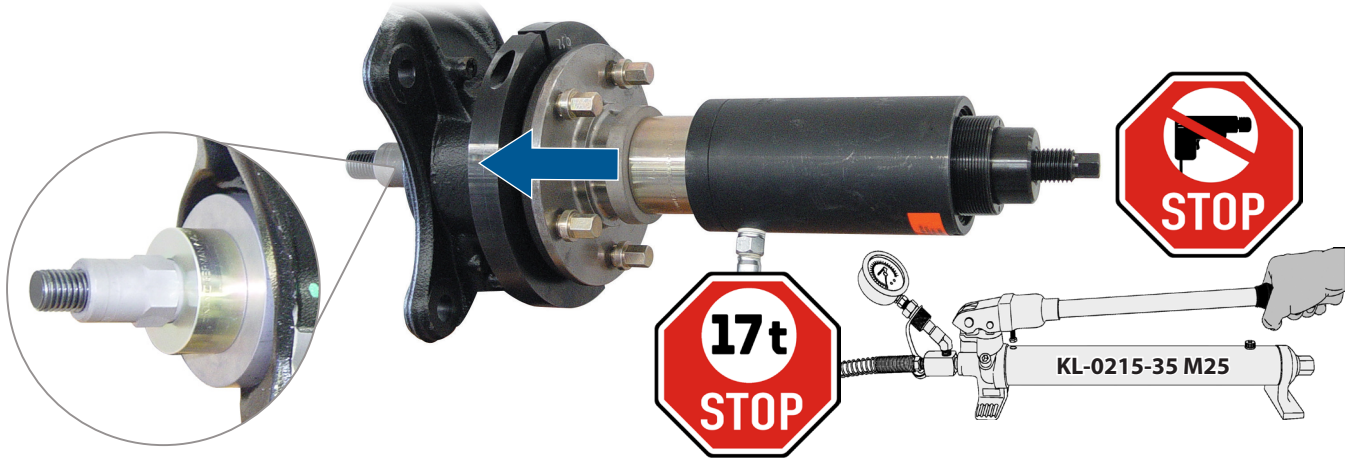
CAUTION

The wheel hub bearing unit can be damaged during the press-in process! It is therefore essential to observe the vehicle manufacturer's instructions for installing the wheel hub bearing unit!

⚠WARNING

The wheel bearing mounting tool can break and spin around due to overloading or misuse. This can cause DEATH or SEVERE INJURIES! Therefore, never overload the wheel bearing mounting tool, never use it with a mechanical drive or in any other way than intended!

5. Connect the hydraulic hand pump **[Z6H]** to the hydraulic cylinder **[Z1H]**. Operate the hydraulic hand pump **[Z6H]** , always observing the pressure on the pressure gauge, and press in the wheel hub bearing unit in a controlled manner according to the manufacturer's instructions.

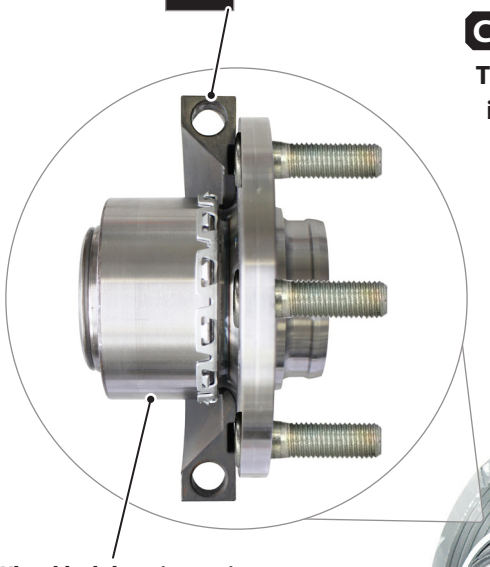


4.2 Pressing in wheel hub bearing unit *(with threaded bolts)*

6: Insert a suitable pair of clamping jaws [C..] in the correct position on the wheel hub bearing unit...

1. Select a suitable pair of clamping jaws [C..] depending on the vehicle or wheel bearing Ø.

C1	***With wheel bearing Ø 72mm*** *...*
C2	***With wheel bearing Ø 78mm*** *for example installed on for ex. the* ***front axle*** *of Ford Focus II (DA / DB / DH / DP / DS), C-Max (DM2); Mazda 3 (BK) ; Volvo C30 (533), C70 II (542), S40 II (544), V50 (545).*
	With wheel bearing Ø 82mm *for example on the* ***front axle*** *of Ford S-Max (WA6), Galaxy II (WA6), Mondeo IV (BA7); Land Rover Freelander II (L359).*
C3	***With wheel bearing Ø 85mm+92mm*** *...*
C..	

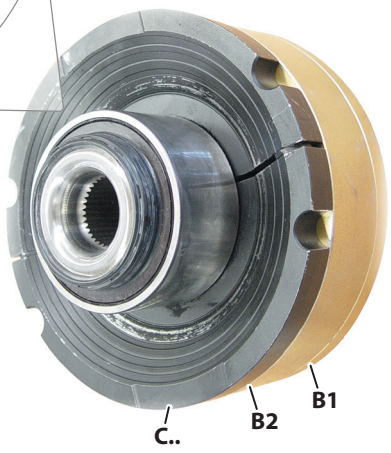


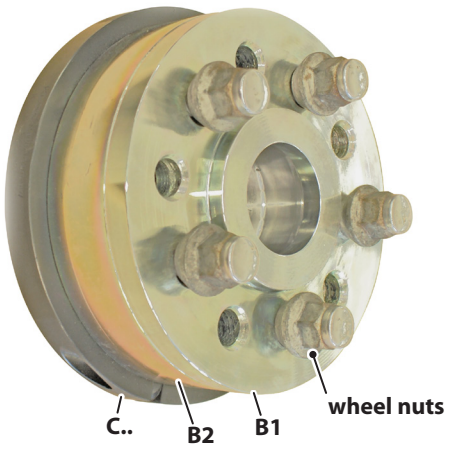
Wheel hub bearing unit
with threaded bolts

CAUTION

The wheel hub bearing unit can be damaged by an incorrectly inserted pair of clamping jaws [C..] during press-fitting. Therefore always align the pair of clamping jaws [C..] so that they are seated completely and cleanly between the wheel hub and the wheel bearing!

2. Insert the pair of clamping jaws **[C..]** into the wheel hub bearing unit in the correct position as shown.



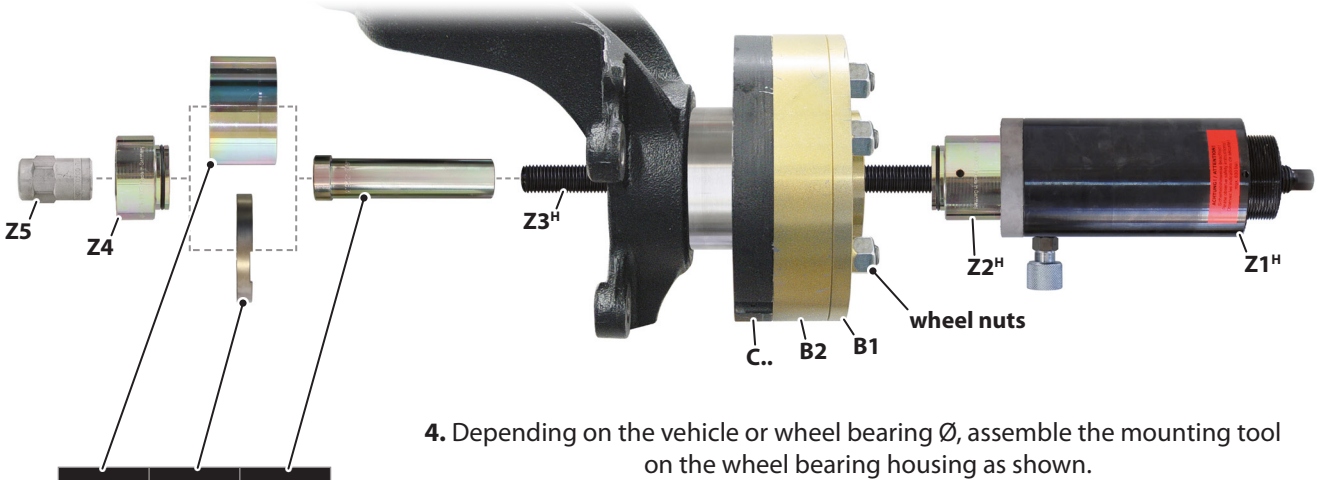


CAUTION

The wheel hub bearing unit can be damaged if the wheel nuts are tightened too much. When installing the wheel hub bearing unit , the wheel nuts are only used to lightly preload the wheel bearing. Therefore, only screw the wheel nuts onto the wheel hub by hand until the pair of clamping jaws [C..] presses over the entire surface of the cover [B1] with housing [B2] against the wheel bearing with slight pressure!

3. Place the cover **[B1]** and housing **[B2]** in the correct position over the threaded bolts on the wheel hub bearing unit as shown. Then screw the wheel nuts on the vehicle side onto the wheel hub by hand so that they all lie evenly against the cover **[B1]** with a little pressure.

7: Assemble the wheel bearing mounting tool accordingly...



4. Depending on the vehicle or wheel bearing Ø, assemble the mounting tool on the wheel bearing housing as shown.

E..	F..	D..	
E3	-	D1	***With wheel bearing Ø 78mm*** *for example on the* ***front axle*** *for Mazda 3 (BK).*
-	F5	D1	***With wheel bearing Ø 78mm*** *for example installed on for ex. the* ***front axle*** *of Ford Focus II (DA / DB / DH / DP / DS), C-Max (DM2); Volvo C30 (533), C70 II (542), S40 II (544), V50 (545).*
-	F5	D3	***With wheel bearing Ø 82mm*** *for example on the* ***front axle*** *of Ford S-Max (WA6), Galaxy II (WA6), Mondeo IV (BA7); Land Rover Freelander II (L359).*

8: Pressing in the wheel hub bearing unit according to the manufacturer's instructions...

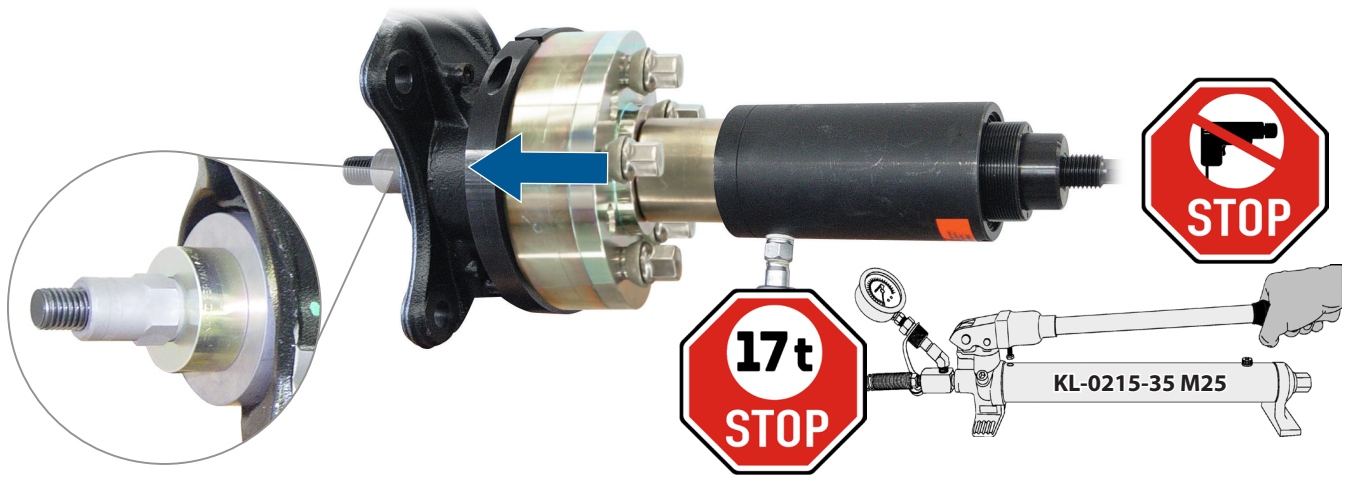
CAUTION

The wheel hub bearing unit can be damaged during the press-in process! It is therefore essential to observe the vehicle manufacturer's instructions for installing the wheel hub bearing unit!

⚠WARNING

The wheel bearing mounting tool can break and spin around due to overloading or misuse. This can cause DEATH or SEVERE INJURIES! Therefore, never overload the wheel bearing mounting tool, never use it with a mechanical drive or in any other way than intended!

5. Connect the hydraulic hand pump **[Z6H]** to the hydraulic cylinder **[Z1H]**. Operate the hydraulic hand pump **[Z6H]** , always observing the pressure on the pressure gauge, and press in the wheel hub bearing unit in a controlled manner according to the manufacturer's instructions.



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