



## KL-1072-100

Brake Calliper Lifting Device for Commercial Vehicles



**Operating instructions** EN  
⚠ Read and understand before use!



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Version 1 - 11/2022

1072-100\_EN221012.indd



**ENGLISH**

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## 1. FOR YOUR SAFETY



Read and understand these operating instructions **before you use** the lifting device (*brake calliper lifting device for commercial vehicles*) and observe all safety instructions and warnings! Misuse can result in **DEATH** or **SEVERE INJURIES**! These operating instructions are an integral part of the lifting device. Keep them at a safe place for future reference, and always pass them on to subsequent users of the lifting device! The lifting device complies with the recognised rules of technology as well as with the relevant safety regulations!

### 1.1 Target group

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

The lifting device **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 lifting device!

### 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 lifting device **must** ensure that **only** trained personnel in specialised vehicle workshops use the lifting device!

✔ The owner of the lifting device **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 lifting device!

✔ The owner of the lifting device **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 brake calliper lifting device ...**

✔ **may only be used** be used for lifting brake callipers on axles on commercial vehicles and trailers!

✔ **may only** be used up to a **max. load of 75kg!**

✔ **may only be used** be used in conjunction with a workshop crane of sufficient lifting capacity with sling or chain!

✔ **may only** with genuine GEDORE Automotive 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 brake calliper lifting device ...**

✔ **must never** be used for lifting an axle or a vehicle!

✔ **must never** be used for purposes other than those for which it is intended!

✔ **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 lifting device **always** as intended. Any other use can result in **DEATH** or in **SEVERE INJURIES**!

### 1.5 Work environment

For your safety, **only** use the lifting device 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** have room temperature between -10°C and +40°C.

### 1.6 Personal protective equipment

For your safety, **always** wear personal protective equipment when using the lifting device! The lifting device 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 lifting device to protect yourself against parts or particles flying about!

When using the lifting device, parts or particles flying about can cause **SEVERE INJURIES** to your **eyes**!



Always wear **PROTECTIVE GLOVES** (e.g. *DIN EN 388, OSHA 29 CFR 1910.138, ANSI 105*) when using the lifting device to protect yourself against sharp edges and crushing between parts!

When working with the lifting device, 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 lifting device to protect yourself against dropping parts!

When working with the lifting device, dropping parts can cause **SEVERE INJURIES** to your **feet and toes**!

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### 1.7 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
	Indicates a hazardous situation which, if not avoided, could cause <b>DEATH</b> or <b>SEVERE INJURIES</b> .
	Indicates a hazardous situation which, if not avoided, could cause <b>MODERATE</b> or <b>MINOR INJURIES</b> .
	Indicates a situation which, if not avoided, can cause damage to the tool or an object in its vicinity.
	<b>Note</b> on important information and useful tips.

### 1.8 Basic warnings

#### **⚠ WARNING - Danger to life from MISUSE**

The lifting device and the brake calliper can break and fall down or swing around uncontrollably due to **MISAPPLICATION**. This can cause **DEATH** or **SEVERE INJURIES**!

Read and understand these operating instructions **before using** the lifting device, and observe all safety and warning instructions for **safe use**!

**Always** work with the lifting device in accordance with the basic regulations on work safety and accident prevention!

**Only** use the lifting device as described in these operating instructions!

**Only** use the lifting device with a workshop crane with a sling or chain which is sufficiently dimensioned in terms of load capacity!

**Always** observe the vehicle-specific application procedures in the vehicle manufacturer's repair guide!

**Always** observe the **maximum load** and the safety and warning instructions of the workshop crane!

**Never** lift/lower the vehicle with a second lifting device while using the lifting device!

**Never** use the lifting device if it is damaged or has loose parts or unauthorised modifications!

**Always** wear your personal protective equipment (*safety goggles, protective gloves, safety shoes*) during work!

**Never** hit the lifting tool with a hammer or anything similar!

#### **⚠ WARNING - Danger to life from OVERLOAD**

**OVERLOAD** can cause the lifting device to break, and thus the wheel brake calliper can fall down. This can cause **DEATH** or **SEVERE INJURIES**!

**Never** exceed the **maximum loading capacity** of the lifting device!

**Never** lift an axle or a vehicle using the lifting device!

**Never** use the lifting device if it is damaged or has loose parts or unauthorised modifications!

**Always** wear your personal protective equipment (*safety goggles, protective gloves, safety shoes*) during work!

## ⚠ WARNING - Danger of injury from DROPPING

The lifting device and the brake calliper can **FALL DOWN** during preparation and use. This can cause **DEATH** or **SEVERE INJURIES!**

- ✔ **Always** make sure that the lifting device is securely attached to the brake calliper!
- ✔ Assemble the lifting device **correctly** as described in these operating instructions and mount it correctly and securely to the brake calliper!
- ✔ **Never** leave the lifting device unattended in loaded condition on the vehicle!
- ✔ Deposit the lifting device with wheel hub securely against falling down!
- ✔ **Always** carry out **all** work on heavy parts with the help of a second specialist!
- ✔ When mounting the lifting device, use suitable fasteners which will **safely** and **reliably** carry the load even during use!
- ✔ **Always** check that the lifting device fits tightly and correctly on the wheel hub before lifting!
- ✔ **Always** wear your personal protective equipment (*safety goggles, protective gloves, safety shoes*) during work!

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## ATTENTION - Risk of DAMAGE

There is a risk of **DAMAGING** the vehicle, the lifting device, and the brake calliper.

- ✔ **Always** observe vehicle-specific application procedures in the vehicle manufacturer's repair guide.
- ✔ Before **each use**, check the lifting device **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ✔ **Never** clamp the lifting device into a vice.

### 1.9 Basic safety instructions

For your safety, always observe the following safety precautions when using the lifting device in order to avoid injuries and material damage caused by misuse or unsafe handling.

- ✔ Read and understand these operating instructions **before using** the lifting device, and observe all safety and warning instructions for **safe use!**
- ✔ **Always** observe the vehicle-specific application procedures in the vehicle manufacturer's repair guide!
- ✔ **Always** work with the lifting device in accordance with the basic regulations on work safety and accident prevention!
- ✔ **Never** use the lifting device when you are tired or under the influence of alcohol, drugs, or medication!
- ✔ Before **each use**, check the lifting device **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ✔ Use **only genuine GEDORE Automotive** spare parts and accessories!
- ✔ **Before using** the lifting device, make sure that **no** unauthorised persons are in the immediate environment!
- ✔ When using the lifting device, **always** observe the **max. load** and **never** exceed it!
- ✔ **Only** use the lifting device with a workshop crane with a sling or chain sufficiently dimensioned in terms of load capacity!
- ✔ **Never** lift/lower the vehicle with a second lifting device while using the lifting device on the vehicle. Put other lifting equipment out of operation and secure it against unintentional restart!
- ✔ **Always** wear your personal protective equipment (*safety goggles, protective gloves, safety shoes*) during work!
- ✔ Interrupt your work **immediately** if you are unsure about using the lifting device. Contact **GEDORE Automotive GmbH** if **necessary!**
- ✔ For safety reasons, stop using the lifting device if any kind of damage is detected on it! Professional inspection and repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH!**
- ✔ **Always** use the lifting device as intended. Non-compliance will invalidate any warranty claim and may significantly reduce its durability!

## 2. PRODUCT DESCRIPTION

### 2.1 KL-1072-100 - Brake calliper lifting device for commercial vehicles

Universal fit for approx. 90% of the brake callipers on commercial vehicles and trailers on the market.

The brake calliper lifting device enables easy and back-friendly lifting at a precise angle of heavy brake callipers of commercial vehicles and trailer axles with the aid of a workshop crane and without the assistance of a second person.

Advantageous e.g. when disassembling and assembling the brake calliper.



### 2.2 Scope of delivery/ component overview

Item	Part no.	Description	Qty.
A	KL-1029-3003	Shackle	1
B	KL-1072-1001	Bow, labelled	1
C	KL-1283-1016	Cheese-head screw M8 x 30mm	2
D	KL-1072-1002	Cord handle screw	1

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### 2.3 Specifications

Maximum load capacity: ..... 75kg

Brake calliper position: ..... 0:00 to 5:00 / 7:00 to 12:00

Shackle position: ..... 8-way, adjustable

Weight: ..... 2.1kg

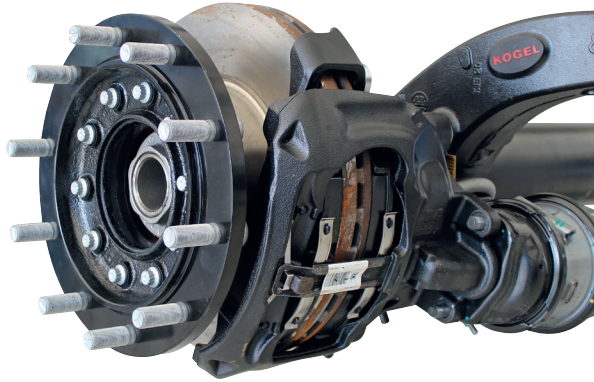
## 3. PREPARATION

### ⚠ WARNING

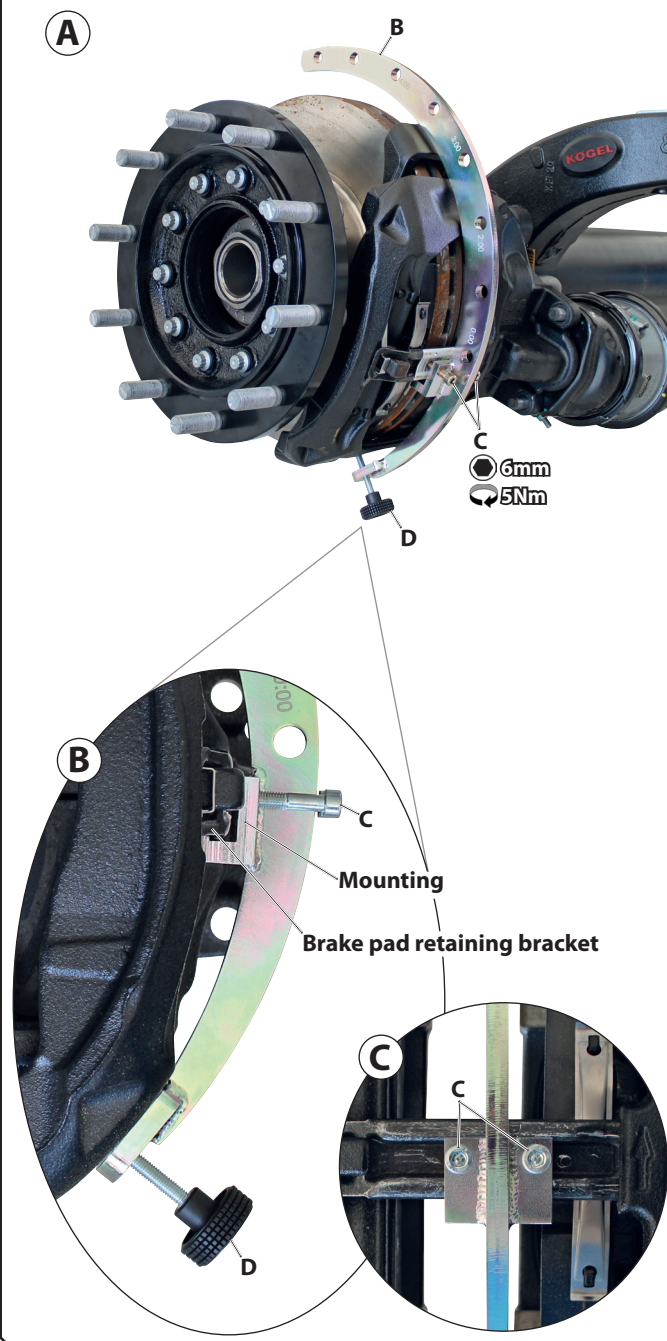
The lifting device can break when **misused** or **overloaded** and thus fall down together with the brake calliper. This can cause **SEVERE INJURIES!**

- ▣ **Prior to using** the lifting device, read and understand all safety instructions and warnings listed in **chapter 1** and **always observe** them for **safe use!**
- ▣ Use the lifting device **as intended** and **always** carry out maintenance and repair work in compliance with the regulations on occupational safety and accident prevention as well as the vehicle manufacturer's instructions!
- ▣ **Before each use**, check the lifting device **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it if you notice any such deficiencies!
- ▣ **Always** wear your personal protective equipment (for example *safety goggles, protective gloves, safety shoes*) when working!

**📷 1:** Preparing the vehicle



**📷 2:** Position the lifting device correctly and securely.



## 3.1 Checking the scope of delivery

Prior to preparing or using the lifting device, check that all parts of the scope of delivery are available (*see chapter 2.*), and follow the instructions below.

## 3.2 Preparing the vehicle

1) Safely lift the vehicle and prepare all necessary parts for the following work in accordance with the manufacturer's instructions **📷 1.**

## 4. TYPICAL APPLICATION

This typical application describes the lifting of a brake calliper on a commercial vehicle axle, during disassembly or assembly in connection with a workshop crane and sling.

### ⚠️ WARNING

The lifting device can slip off due to incorrect assembly, causing the brake calliper to drop. This can cause **DEATH** or **SEVERE INJURIES!**

- ✔ Make sure that the bow [B] fully and cleanly engages with the brake pad retaining clip **📷 2B + C.**
- ✔ Always secure the holding device using the two cheese-head screws [C] **📷 2C.**

1. Place the lifting device in the correct position on the brake calliper as shown in **📷 2A** and secure it to the brake pad holding device using the two cheese-head screws [C] with **5Nm.**

📌 The angle of the brake calliper can also be adjusted via the cord handle screw [D] **📷 2B.** Helpful when reattaching the brake calliper bolts.

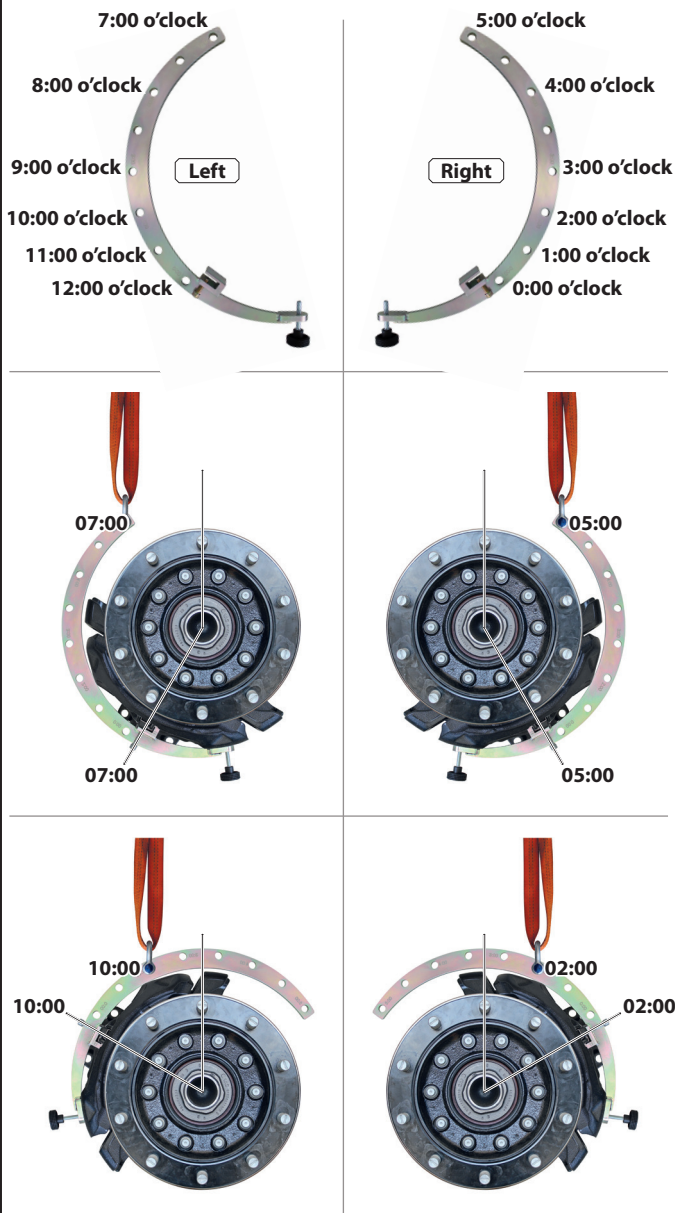
### ⚠️ WARNING

The lifting device with brake calliper can drop due to the use of an unsuitable motor crane with sling or chain as well as due to incorrect assembly. This can cause **DEATH** or **SEVERE INJURIES!**

- ✔ **Always** use the lifting device with an adequately dimensioned workshop crane with sling or chain, and always observe the relevant safety and warning instructions!
- ✔ Use the shackle [A] included in the scope of delivery and observe the associated instructions for use!
- ✔ **Always** screw in the safety bolt on the shackle [A] completely and securely!



**📷 3:** Fit the shackle [A] according to the brake calliper position.



**📷 4:** Perform further work as specified by the manufacturer.



**⚠️ WARNING**

Overload can cause the lifting device to break, and thus it can drop together with the brake calliper. The brake calliper can swing around uncontrolled due to misuse of the lifting device. This can cause **DEATH** or **SEVERE INJURIES!**

- ▶ To avoid uncontrolled swinging of the brake calliper, the shackle [A] must be inserted in the correct position on the lifting device **before** lifting! 📷 3
- ▶ **Never** exceed the lifting device's **maximum load of 75kg**.
- ▶ **Never** lift an axle or a vehicle using the lifting device!
- ▶ **Never** lift/lower the vehicle with a second lifting device while using the lifting device on the vehicle. Put other lifting equipment out of operation and secure it against unintentional restart!

2. Suspend the lifting device securely from a workshop crane to the shackle [A] using a lifting sling or chain. Depending on the position of the brake calliper, insert the shackle [A] on the bow [B] of the lifting device as shown in 📷 3.
3. Perform the further work on the vehicle as specified by the manufacturer 📷 4.

**5. CARE AND STORAGE**

**⚠️ ATTENTION**

Improper care and storage can damage the lifting device. Therefore, **never** immerse it in water, solvents, or other cleaning liquids. After use, clean all parts **only** with a dry and clean cleaning cloth. To protect against corrosion, rub all metal parts with a tool care oil or wax. Store the lifting device and the operating instructions at a dry and clean place.

**6. REPAIR**

**⚠️ WARNING**

If damage to the lifting device is detected, 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 can result in **DEATH** or **SEVERE INJURIES**.

**7. ENVIRONMENTALLY COMPLIANT DISPOSAL**

Dispose of the lifting device and the packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities about environmentally friendly disposal options.

## 8. EC DECLARATION OF CONFORMITY / UK DECLARATION OF CONFORMITY

### EC DECLARATION OF CONFORMITY (Translation of the EC Declaration of Conformity)

in accordance with EC Directive 2006/42/EC, Annex II A

**Name and address of the manufacturer**

GEDORE Automotive GmbH  
Breslauer Straße 41  
78166 Donaueschingen, GERMANY

**We hereby declare** that the product described below

**Designation:** Brake calliper lifting device for commercial vehicles

**Series / type:** KL-1072-100

complies with all relevant provisions of the *Machinery Directive 2006/42/EC*.

The declaration loses its validity if the product is converted or modified without our consent.

**Applied harmonised EN standards:**

EN ISO 12100:2010 - *Safety of machinery - General principles for design - Risk assessment and risk reduction*  
EN 1494:2000+A1:2008 - *Mobile or movable jacks and associated lifting equipment*  
EN 13155:2003+A2:2009 - *Crane - Safety - Non-fixed load lifting attachments*

**Other technical standards and specifications applied:**

EN IEC/IEEE 82079-1:2020 - *Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements*  
DGUV regulation GS-OA 14 - *Principles for tests and certification of machines and equipment for vehicle maintenance*  
DGUV regulation 109-009 - *Vehicle maintenance*

**Authorised representative of GEDORE Automotive GmbH for the compilation of all technical documents:**

Head of product development, Breslauer Straße 41, 78166 Donaueschingen, GERMANY

Donaueschingen, 26 October 2022



ppa. Michael Wehler, Head of Global Business Development, GEDORE Automotive GmbH

### UK DECLARATION OF CONFORMITY (Original UK Declaration of conformity)

in terms of The Supply of Machinery (Safety) Regulations 2008, Annex II 1A

**Name and address of manufacturer**

GEDORE Automotive GmbH  
Breslauer Straße 41  
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**We hereby declare** that the product described below

**Designation:** Brake calliper lifting device for commercial vehicles

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conforms to all relevant provisions of the Supply of Machinery (Safety) Regulations 2008.

The declaration loses its validity if the product is converted or modified without our consent.

**Designated (GB) or harmonised (NI) standards applied:**

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**Other technical standards and specifications applied:**

EN IEC/IEEE 82079-1:2020 - *Preparation of information for use (instructions for use) of products - Part 1: Principles and general requirements*

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Donaueschingen, 26 October 2022



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