

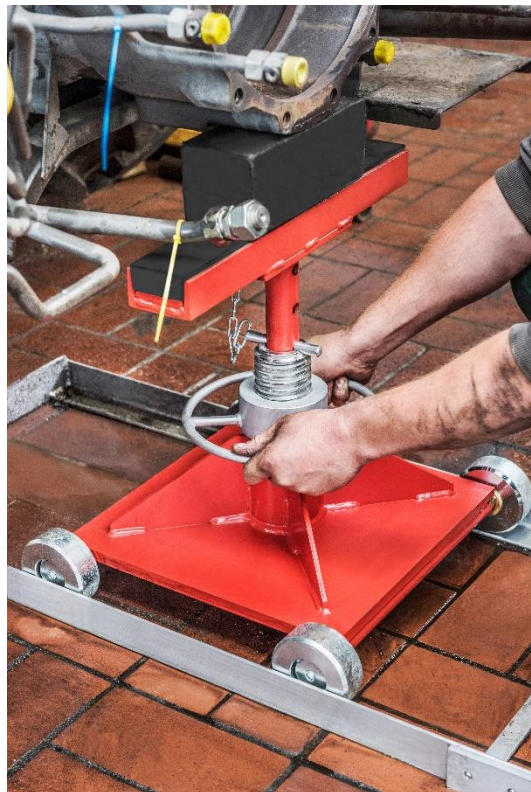


GRANIT
QUALITY PARTS

Operating Instructions

Tractor mounting implement

7790200001



These operating instructions must be read carefully and followed before use. These operating instructions must be kept for future reference.

Translation of the original operating instructions

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1 Introduction

Thank you for purchasing our product. The tractor mount is suitable for repairing and mounting tractors. It guarantees high quality and reliability.

Read the operating instructions carefully before using the tractor mounting implement for the first time. Only the exact observance of the notes and instructions contained in it guarantees accident-free use of the product and its long product life.

This manual is an essential part of the tractor mounting implement (article no. 7790200001). If you have any doubts regarding the information contained in this manual, please contact the manufacturer for further clarification.

Only use the tractor mounting implement according to the instructions in this manual.

2 Construction and technical data

Tractor-mounting implement for mounting tractors.

Part number: 7790200001

Version: adjustable by hand wheel

- Innovative, ergonomic construction.
- Movable lifting device.
- High level of safety during use.
- Two 100 mm extendable frames, bolts and nuts included.
- Lifting capacity of a single winch (kg): 5,000.
- Min. height (mm): 350
- Max. height (mm): 650
- Storage surface (mm): 500x80
- Weight of a single mobile lifting device: 57 kg
- Weight of the entire lifting system: 162 kg
- The maximum sound pressure level emitted at the workplace is 70 dB.

Basic equipment of the tractor mounting implement

- Two sliding 5T lifting devices with support feet.
- Rail system with a length of 3.000 mm and a width of 500 mm (for the transport of 2 x 1,500 mm).
- 2 trapezoidal threaded spindles, each 70x10x280
- Trapezoidal threaded nuts, each 70x10
- 2 needle bearings AXK75100 with housing

- Needle roller bearing
- 4 travel wheels
- 2 black polypropylene films 67x30x500
- Bolts
- Nuts
- Connection elements
- Operating Instructions

Please contact your dealer for spare parts.

3 Product description

The tractor mounting implement is designed exclusively for repairing and mounting tractors that require precise lifting, lowering, tilting and feed movements by means of an axially moving screw. It enables engines or transmissions to be removed and installed. It is designed to withstand loads. A distinction must be made between the axially positioned screw and the trapezoidal nut, which moves up and down precisely on the non-rotating trapezoidal threaded spindle. Always use two load-bearing lifting devices to ensure vehicle stability.

The device for mounting tractors is specially designed for use in workshops or industrial halls.

Tractors can be dismantled very easily with the aid of support brackets, and thanks to the rail system, they can be reassembled with great precision, which is particularly important for double couplings, where exact coupling is essential.

The height can be adjusted individually for each tractor unit by means of the turning device.

The lifting frames are robust and torsionally stiff, making them ideal for difficult workshop applications. Auxiliary means such as supports, wheel blocks etc. are not required. This helps prevent accidents.

4 Principles of safe use / occupational health and safety

The rail-guided tractor mounting implement is designed for lifting loads of up to 5,000 kg and must not be used as a permanent support element. Make sure that the weight of the object to be lifted does not exceed the maximum load capacity of the lifting device. Do not use the lifting device for purposes other than those specified in the instructions.

- 1) Improper use of the lifting device is prohibited.
- 2) An assessment of the technical functionality must be carried out before starting work.
- 3) The rated capacity must not be exceeded.
- 4) Only use on level, flat, stable ground.
- 5) Lift the load to the required height by turning the turning device clockwise (upwards). The load is lowered by turning the turning device counter-clockwise (downwards). Excessive unscrewing of the trapezoidal nut can cause it to unscrew completely.

- 6) When the load is completely lowered, the lifting device can be removed.
- 7) Make sure that the wheels of the lifting device are locked during the lifting operation.
- 8) Do not enter the area under the supported object without taking additional safety precautions (e.g. a support stand).
- 9) Keep the device away from sources of heat and fire. These can damage the device or affect its operation.
- 10) Before lifting the load, make sure that the lifting device does not slip during lifting.
- 11) Keep the fixture clean for proper and safe operation. Do not forget about maintenance (lubrication or replacement of parts).
- 12) Never disassemble the lifting device into individual parts. This can cause damage or malfunction.

In the event of damage, cracks, deformations which lead to impaired functioning and lack of safety in operation, the lifting device must be dismantled and its use discontinued. Dismantled metal parts must be scrapped, disposed of in an environmentally friendly manner and handed in at specialised collection points.

The manufacturer does not accept any liability for damage resulting from failure to comply with the instructions in the manual.

Independent operation of the lifting device is reserved for operators who:

- Are at least 18 years old
- Have passed an occupational health aptitude test
- Have received on-the-job instruction and basic training in occupational health and safety.

Before using the lifting device, make sure to follow all instructions in the manual. Observe the basic regulations on health and safety at work. Only use original parts and contact your dealer in case of doubt.

The screw and nut are fixed to the housing. The lifting device must always be positioned at a right angle to the workpiece to be lifted within the 50x50x5 frame to avoid misalignment. The tractor mounting implement must be positioned exactly at right angles to the component during assembly or disassembly. In this way the lateral forces are absorbed by the guide rails, which helps to avoid a reduction in the service life of the unit.

The operator should also:

- 1) read the user manual,
- 2) familiarise themselves with the working environment in which the lifting device is used,
- 3) check the technical condition of the lifting device,
- 4) make sure that the weight of the workpiece to be lifted does not exceed the maximum load capacity of the lifting device,
- 5) make sure that the work they are carrying out does not endanger anyone at or near the workplace,
- 6) use the lifting device for its intended use.

Failure to comply with the instructions contained in this manual poses a serious risk to health and life.

However, if you have any questions or comments, please contact your supervisor.



When repairing or assembling the tractor, the following must be observed

General safety instructions:

- Only use the lifting device for its intended purpose.
- Use personal protective equipment appropriate to the hazards that occur (e.g. gloves, safety goggles, helmet).
- Use appropriate work clothing, safety goggles and safety boots.
- Keep the workplace clean and tidy.
- Make sure that the workplace has adequate lighting
- Ensure that there is no risk of explosion or fire from flammable materials.
- Long hair should be tied back or covered under a protective headgear.
- Wear a breathing mask with a replaceable filter if there is an odour of oil or fuel.
- Make sure that no unauthorised people are in the vicinity.
- Bring the vehicle into the desired position and secure it against displacement.
- Place the lifting device on level ground so that the load force acts on the mounting device's support in the axis of the lifting spindle.
- Make sure that the vehicle is not at an angle.
- When lifting heavy workpieces, always use two support blocks.
- Secure the lifting device and the vehicle with additional support blocks.
- Do not allow anyone to be under the vehicle while the lifting device is in use.
- Stop work if there is an immediate danger.
- If there is play on the bolt or nut or if other parts are worn, contact the dealer.
- Only use original parts.
- Always keep the guide rails and wheels of the lifting device clean and free of dirt and grease.
- If there are any concerns about work safety, the worker has the right to stop work and ask their supervisor for clarification.
- Before lowering the lifting device, make sure that there are no people or objects under the tractor.
- There are no time restrictions on the operation of the lifting device.
- After completion of the work, the workplace must be left in proper condition.
- Store it in a dry place and protect it from the weather.

While the machine is in use it is not permitted:

- to operate the lifting winch under the influence of diseases, alcohol or drugs.
- to leave lifted objects unattended.
- to make structural changes.

- to use non-original parts.
- to reach into the crushing area while the lifting device is in operation.
- to change the location of the lifting device without suitable protection.
- to repair the lifting device by hand in the event of a defect.
- to use the lifting device for lifting people.
- to walk on the lifting device.



ATTENTION: Modifying the lifting device in any way Repairs should only be carried out by qualified personnel using original spare parts. Failure to do so may result in considerable risk to the user.

In the event of an accident you should:

- give first aid to the victim of the accident.
- request medical assistance if necessary.
- inform your superiors.



The manufacturer accepts no liability for damage and injury resulting from improper or improper use.

Basic requirements for manual transport:

Depending on the type, scope and weight, auxiliary equipment must be provided for manual transport to ensure safe and comfortable working. The mobile lifting device can be moved or relocated by electric or combustion forklift trucks, by manual means of transport or by hand.

During manual transport, manual repositioning should be avoided if:

- the object is heavy and too large, bulky or dangerous for the installer.
- the surface is uneven or slippery, which is dangerous when moving.
- the work surface has different levels.
- the object restricts the field of vision.

Bulky objects or objects that are difficult to grasp and hold should be moved with suitable aids. Objects whose centre of gravity in the lifting position and after lifting would be more than half of their own height must not be handled manually. In this case, use handles that are to be placed above the centre of gravity. Sharp, protruding parts of the objects being moved should be secured.



ATTENTION: Objects may not be manually transported through rooms, stairways, corridors or doors that are too narrow in relation to the size of these objects if this creates a risk of accidents. Objects may not be transported and rolled on ramps which are not permanently connected to the structure of the building, with an angle of inclination of more than 15°, or on stairs with an angle of inclination of more than 60°.



Even when appropriate safety measures are applied, the following residual risks (residual or partial risks) remain:

- electric shock during the repair of the electrical system

- a temporary increase in noise levels due to shocks
- when loosening screws and nuts
- when attempting to lift components that exceed the maximum weight indicated in the instruction manual
- slipping of the spanner when unscrewing screws or nuts

In view of the existing residual risks:

- regular training on occupational health and safety should be provided.
- workers should be given appropriate information and training.
- appropriate and suitable personal protective equipment should be used.
- safe working procedures and processes should be followed.

Directive 2006/42/EC stipulates that the risk assessment documentation must be kept on the premises of the manufacturer or its authorised representative and should include:

- information on the machinery
- technical data of the machine
- all identified hazards
- accident history (accident details and sources)
- description of the protection measures applied

risk management (residual or partial risks)

Composite Risk Management (CRM) is a method for identifying hazards and controlling the associated risks. It consists of five main activities:

1. Monitoring
2. Hazard identification
3. Risk assessment
4. Development of control instruments
5. Risk implementation

There are no restrictions concerning the residual risk, as it is fully accepted and is therefore referred to as an acceptable risk. A specific expression of this is the residual risk, i.e. the risk that remains after the implementation of the security measures. In practice, these risks are inevitable, as no system is completely secure and, in addition, certain resources are deliberately not protected (due to low risk or high security costs).

Identification of hazards in machinery

After defining the restrictions of the machine, the next step of the risk assessment is the identification of hazards. According to EN ISO 12100 the hazards must be identified at all stages of the "life cycle" of the machine.

The hazards that occur may differ depending on the area, which is why each of the following hazard groups should be analysed:

- mechanical hazards
- thermal hazards
- hazards caused by noise
- hazards caused by vibration
- hazards associated with materials and substances of the machine

Risk assessment methods for machinery

The next step in the process of risk assessment of machinery is risk assessment. For each previously identified hazard, the corresponding risk is determined. The level of risk depends on the following elements:

- The severity of the possible harm to a worker or bystander
- The likelihood of such an injury occurring

The risk can be assessed using the function below:

$$\text{Risk} = (\text{severity of damage} \times \text{probability of damage})$$

The probability of the occurrence of the damage depends on

- the risk to the person.
- the occurrence of the hazardous event.
- the technical and human capacity to prevent or limit such damage.

Risk assessment of machinery

The assessment of the need for risk reduction should be carried out independently for each identified hazard. On the basis of the risk assessment carried out previously, it is determined whether preventive measures are necessary for the machine or for the operator. The final decision as to whether safety measures are necessary is the responsibility of the person who carries out the risk assessment. Risks that cannot be eliminated in the design and manufacturing phase (despite preventive measures) are called residual risks. Information on these should be included in the technical documentation of the machine. The risk assessment documentation should include the following elements:

1. detailed machine data
2. guidelines for the use of the machine (maximum load capacity, etc.)
3. all identified hazards
4. The information used for the risk assessment:
 - a. data used and their sources (accident histories, etc.),
 - b. concerns about the data used and their impact on the outcome of the risk assessment
5. description of the protection measures applied
6. information on the residual risk
7. all documents produced during the risk assessment
8. the outcome of the risk assessment

The documentation for risk assessment is a component of the machine documentation that must be created as part of the CE marking of a machine. The manufacturer does not have to hand it over to the user of the machine, but should keep it together with the declaration of conformity of the machine for 10 years.

5 Maintenance/lubrication

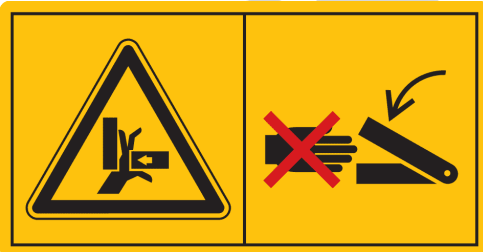
Lubricate the bearing, screw and adjusting nut regularly, at least once a year. Avoid any contact with moisture and dust. In the event of moisture or dirt, wipe off and lubricate all the above-mentioned parts dry.

Possible markings and symbols on the lifting device

“Read the instruction manual before operating the lifting device”.



“Do not reach into the crushing area as the components can move”.



ATTENTION: Always keep the warning and information signs clean and in a legible condition! Lost and illegible labels must be replaced by the user. New labels can be ordered from the manufacturer.



Figure 1: Type plate



6 EU Declaration of Conformity

The manufacturer,

**Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen**

hereby declares on its sole responsibility that the tractor mounting implement

with the type or serial identification number: **7790200001**

is in conformity with the provisions of

2006/42/EC Machinery Directive

The product has been developed in accordance with the following standards:

**PN-EN 1494+A1:2009
PN-EN ISO 12100:2012
PN-EN ISO 20607:2019-08
ISO 3600:2015**

The technical documentation is managed by:

Mr Eike Viebrock
Wilhelm Fricke SE
Zum Kreuzkamp 7
DE-27404 Heeslingen

The serial number and model year are indicated on the nameplate of the equipment.

Heeslingen, 12.10.2020



Holger Wachholtz, Board

Translation of the original declaration of conformity

7 Warranty

The warranty conditions of Wilhelm Fricke SE, as found in the sales documents and the current version of the General Terms and Conditions of Business, apply.

If you have any questions, please contact the company's customer service department.

8 Addresses

Sales/Customer service/ Tel.: +49 (4281) 712 712
Spare parts sales: Fax: +49 (4281) 712 700

Postal and delivery address: Wilhelm Fricke SE
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 DE-27404 Heeslingen

9 Legal Notice

Translation of the original operating instructions for the tractor mounting implement
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