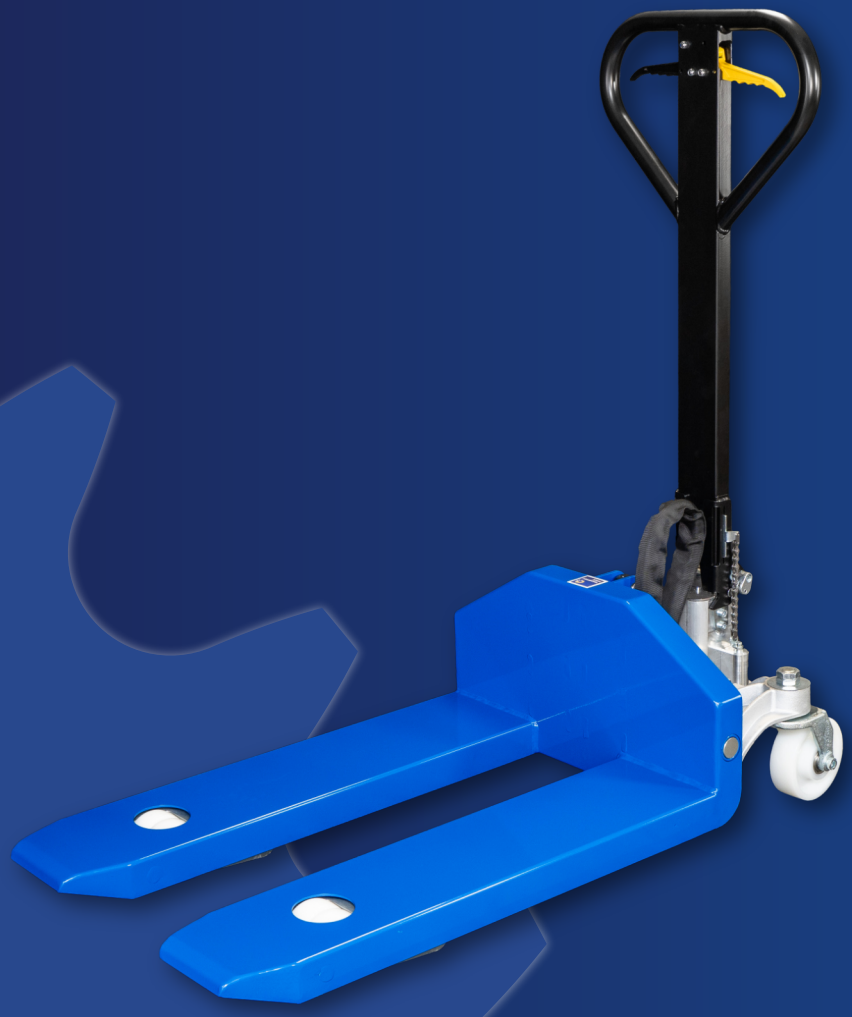
TRANSPORT MAUS®

ALL-DIRECTION PALLET TRUCK+

M220-1 M220-3 Designed for working in the smallest of spaces



OPERATING INSTRUCTIONS

The operating instructions must be read carefully and observed before putting into operation.
The operating instructions must be kept for later use.

OPERATING INSTRUCTIONS

ALL-DIRECTION PALLET TRUCK+

M220-1 M220-3

Translation of the original instructions

Study and observe the operating instructions before putting into operation and retain them for later use.

Product of Niemetz Metall-GmbH, hereinafter referred to as 'Manufacturer'.

Niemetz Metall-GmbH
Transportgeräte
Hollfelder Straße 11
D-96167 Königsfeld

Managing Director:
Dipl.-Ing. Alexander Niemetz, Hermann Niemetz
Register court: HRB 2161, Bamberg
VAT ID no.: DE 132 277 098

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1 | Introduction

Thank you for choosing our product! We value your trust and want to ensure that you use it safely and properly. These instructions contain useful information for the proper operation and maintenance of the product.
Please note the following important points:

1. Safety first: Read the complete operating instructions carefully before you commence operation. Make sure you observe all safety precautions to avoid accidents.

2. Proper operation: Follow the operating instructions precisely. Only use the product for the purposes described.

3. Maintenance and care: Regular maintenance and care are important to ensure that the product functions optimally. Observe the instructions for cleaning, storage and maintenance.

4. Disposal: If you no longer wish to use the product, dispose of it in accordance with local regulations. Observe the instructions for environmentally friendly disposal.

5. Contact Customer Service: If you have any questions or require support, please contact our Customer Service. We will be happy to help you.

The information provided is based on the data available at the time of creation. The manufacturer reserves the right to make modifications to its products without prior notice and without penalties. It is therefore recommended that you check regularly for updates. The person using the product is responsible for complying with all safety regulations of the country of use to ensure that the equipment is used properly and to avoid any danger to the user.

Neither this publication nor parts thereof may be reproduced without the manufacturer's written authorisation.

2 | Safety and accident prevention regulations

2.1 General safety instructions

The Transportmaus pallet truck must not be operated by children or persons with limited physical, sensory or mental capabilities or lack of experience and knowledge. Before starting installation/maintenance, read the installation instructions and safety instructions carefully.

- For safe and easy assembly, the steps for initial operation must be carried out carefully.
- Assembly, maintenance, disassembly and repair may only be carried out by a qualified person.
- **Definition of qualified person:** A qualified person is a person who is sufficiently trained, knowledgeable, possesses practical experience and has received the necessary instructions to ensure that the required task can be carried out properly and safely.
- The respective national occupational safety regulations must be observed.
- Ensure that the Transportmaus pallet truck is stable during assembly, maintenance, disassembly and repair.
- Do not wear a watch, rings or loose clothing during installation/maintenance.

- Wear suitable protective clothing (protective gloves, safety shoes, safety goggles, etc.) during installation/maintenance.
- Lack of maintenance can lead to unsafe operation! Maintenance instructions can be found under point 5.
- Defective equipment must be repaired immediately to minimise damage and ensure the safety of the equipment.
- Please keep all documents supplied with the equipment in a safe place so that you can refer to them if necessary. Also keep the proof of purchase for possible warranty claims.
- If you lend or sell the equipment, make sure that all documentation provided is passed on.
- The Transportmaus pallet truck may only be used and operated under the conditions described in these operating instructions.
- Retrofitting, modifications, or conversions of the equipment are generally not permitted and may only be undertaken with prior consultation and written authorisation from the manufacturer.
- If any unexpected hazards or risks arise during operation that are not covered in these operating instructions, operators are required to report them to the manufacturer without delay.
- Never exceed the permissible lifting weight specified for the Transportmaus pallet truck.
- Only use the Transportmaus pallet truck on a firm and level surface.
- Do not change the safety valve settings. Before each use, inspect the equipment to ensure it is functioning properly, paying particular attention to the hydraulic oil level and checking for any possible leaks.
- Under high pressure, escaping fluids (e.g. hydraulic oil) can penetrate the skin and cause serious injuries. In the event of such injuries, consult a doctor immediately as there may be a risk of infection!
- Before working on the hydraulic system, the equipment must be safely put in place and the system depressurised.

2.2 Activity-specific measures

Only carry out set-up, maintenance and cleaning work on equipment when wearing protective gloves to prevent injuries from sharp-edged equipment parts.

When working with and on the equipment, wear securely fastened protective footwear.

Before each use, always perform a visual inspection followed by a functional check of the equipment to detect any damage or worn parts, and ensure they are repaired by a qualified professional before putting the equipment into operation.

Ensure that the Transportmaus pallet truck is always on a firm and stable surface before the load is lifted.

Never work under a raised load if it is only supported by the Transportmaus pallet truck.

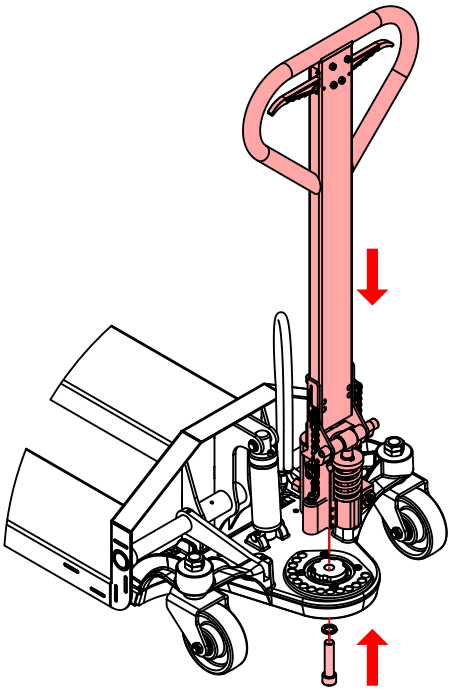
Lubricate all moving parts regularly in accordance with the inspection and maintenance schedule.

If the oil level is too low, top it up and bleed the system before further use. Follow the instructions in these operating instructions.

The Transportmaus pallet truck may only be operated by persons over the age of 16. An exception applies when a young person uses the equipment as part of vocational training to acquire the necessary skills, provided this occurs under the supervision of an instructor.

3 | Initial operation

3.1 Installing the pump on the base frame



Delivery contents: 1 split pallet truck, 1× Nordlock washer M16, 1× Allen screw M16×70

Tools required: Allen key size 14

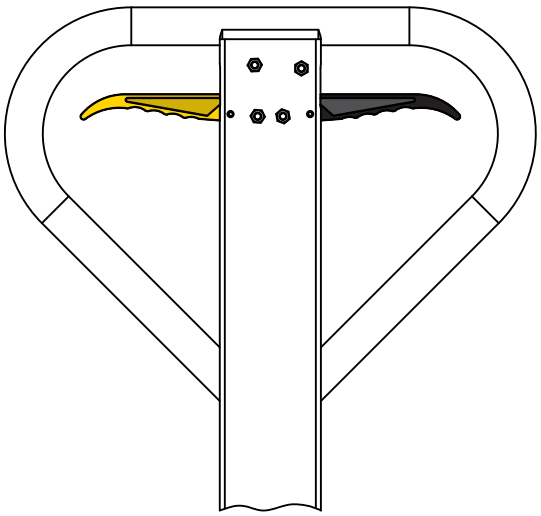
Carefully unpack the pallet truck base frame and pre-assembled pump assembly and place on a clean work surface.

Attention: Hydraulic hose is already fitted!

Next, the pump assembly is positioned onto the base frame of the pallet truck. The Allen screw is screwed into the threaded hole on the underside of the pump assembly together with the Nordlock washer and tightened firmly.

4 | Function

4.1 Intended use



The Transportmaus pallet truck consists of two rigid forks to pick up the pallet.

To **lift**, press the **black handle** downwards. The pallet forks are lifted by the integrated hydraulics when the drawbar is pumped. By **pulling** the **black handle**, the hydraulic pressure in the raised cylinder is reduced and the forks are lowered again. In the centre position of the handle, the set lifting height is secured against further movement.

When the **yellow handle** is pulled upwards, the wheels **are released from** the forks. The drawbar can now be turned in the desired direction of travel. For more control of the steering position, it can be locked in 15° increments by releasing the yellow lever.

The Transportmaus pallet truck is designed for transporting inherently stable objects, in particular pallets of various formats. The Transportmaus pallet truck must never be used to lift or transport other loads, animals or people. Vehicles must never be lifted or moved using the Transportmaus pallet truck. Never overload the Transportmaus pallet truck beyond the loads specified in the technical data. The manufacturer cannot be held responsible for any damage resulting from non-compliance with the provisions of the generally applicable regulations and the provisions of these operating instructions, including inadequate maintenance.

4.2 General regulations

If a defect occurs in a component or function within the warranty period of the Transportmaus pallet truck, the manufacturer must be informed immediately. Ensure that all information and product labels are intact and legible and replace them with original parts if necessary.

Do not lift animals, people or unsuitable loads. Only operate the appliance after prior instruction.

To minimise wear and tear, equipment should be checked regularly. Pay particular attention to the wheels and axles, which can get blocked by threads, rags or similar foreign objects. Lower the fork after use without load.

The manufacturer is not liable for damage caused by non-compliance with the provisions set out in these operating instructions and the generally applicable regulations or by inadequate maintenance.

No changes may be made to the Transportmaus pallet truck without consulting and obtaining approval from the manufacturer.

5 | Maintenance and care

5.1 Inspection plan and maintenance plan

Maintenance and servicing work must only be carried out by qualified specialist personnel. Make sure that the Transportmaus pallet truck is not under load during the work.

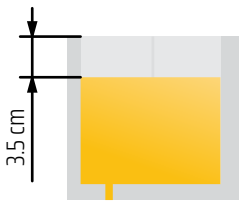
Component	Measure	3 month	6 month	12 month	Remark
Hydraulic oil level	Control		X		GF22: DIN 51524-2
Wheel bearing unit and tines	Lubricate			X	Graphite grease*1
Joints without grease nipples	Lubricate	X			Adhesive lubricant*2
Chain				X	Chain spray*3
Screws, wear	Control			X	
*1 Lithium-saponified, high-pressure resistant graphite grease with EP additives					
*2 Adhesive lubricant – base oil viscosity, kinematic 1500 cSt					
*3 Chain spray long-term resistant to water and salt water					
Failure to comply with the maintenance schedule may result in damage to property and impaired use.					

Before putting the Transportmaus pallet truck into operation after repair or maintenance work, make sure that it is functioning properly.

Used oil and lubricant must be disposed of on site in accordance with legal regulations.

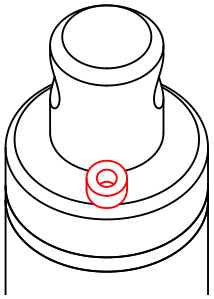
5.2 Refilling the hydraulic oil

Set up the pallet truck in a horizontal position and secure it against rolling away. Forks must be fully lowered and load-free. Loosen both M5×8 screws on the cover. Remove the cover and fill with hydraulic oil (GF22, see 6.2) to **3.5 cm below the top edge of the tank.** Then screw the cover back on properly.

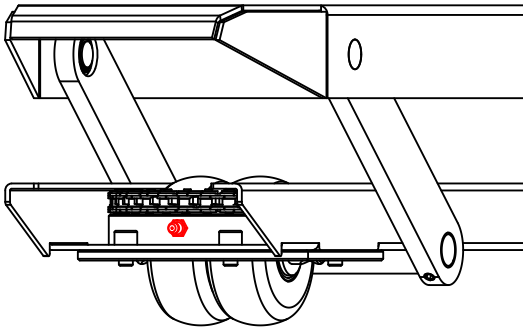


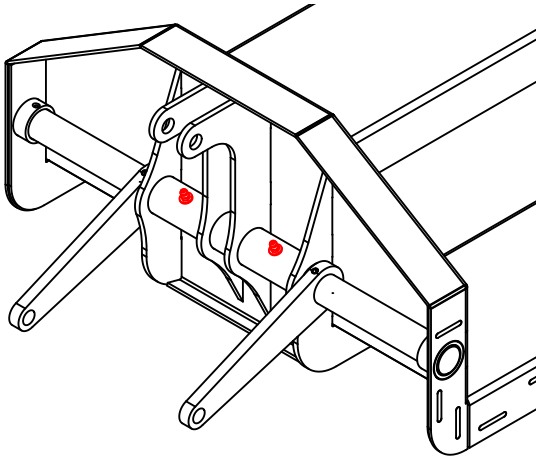
5.3 Bleeding the cylinder

To bleed the cylinder, the shield must be lowered to the lowest point and relieved (black handle in centre position). Carefully open the bleed screw. Switch the black handle to the lower position and start pumping slowly. If oil leaks from the bleed screw while the drawbar is in the pump position, tighten the bleed screw properly. Collect spilled oil and dispose of it properly. Repeat the process if necessary.

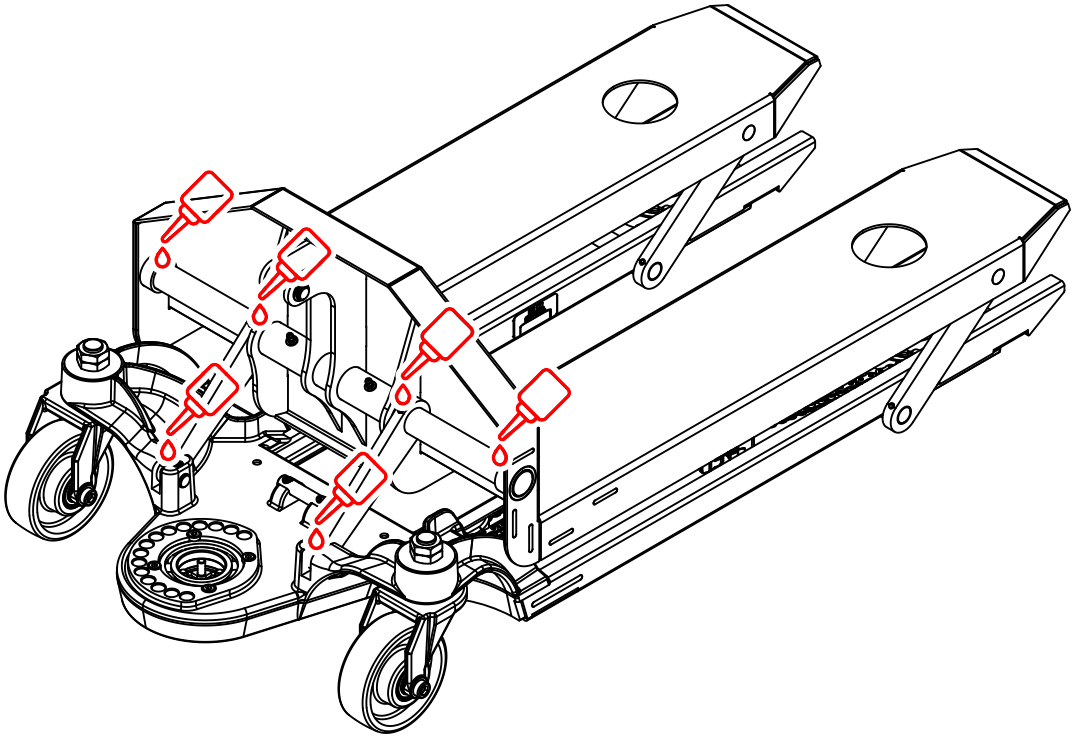


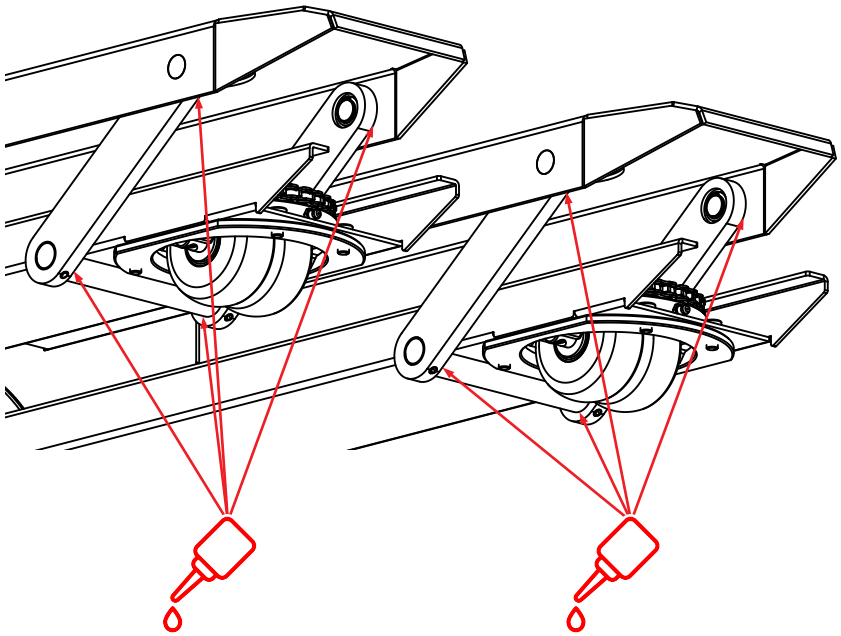
5.4 Lubricating the wheel bearing unit and tines





5.5 Lubricating the chain and joints without grease nipple





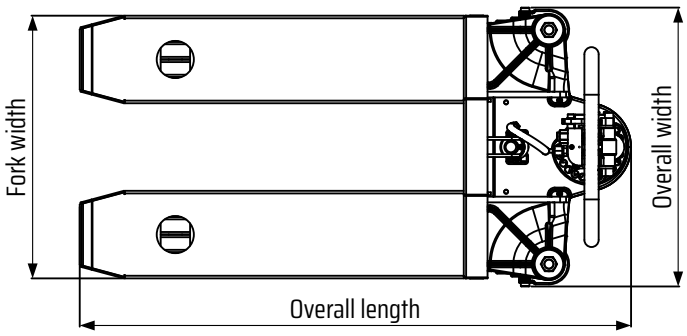
6 | Technical data

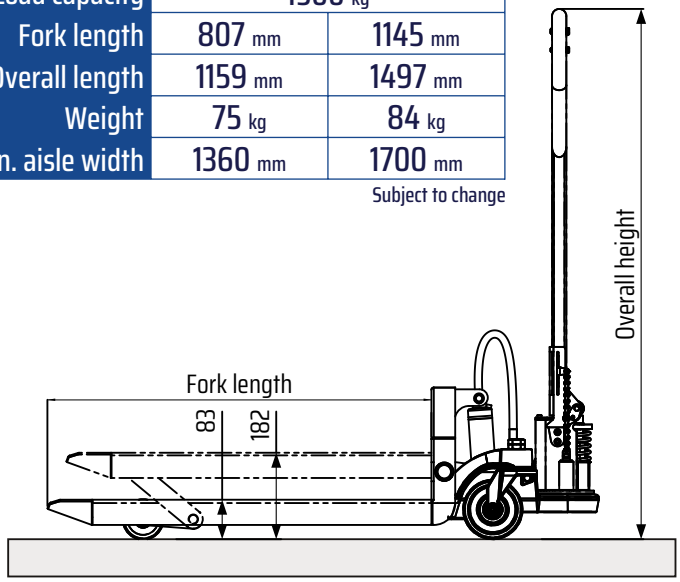
6.1 Basic data

	M220-1	M220-3
Overall width	586 mm	
Overall height	1114 mm	
Fork height	83 mm	
Lift height	182 mm	
Fork width	552 mm	

	M220-1	M220-3
Load capacity	1500 kg	
Fork length	807 mm	1145 mm
Overall length	1159 mm	1497 mm
Weight	75 kg	84 kg
Min. aisle width	1360 mm	1700 mm

Subject to change





6.2 Hydraulic oil

GF22 (HLP hydraulic oil according to DIN 51524-2), viscosity at 40 °C 22 mm²/s, density 0.862 g/ml, pour point –21 °C, flash point 210 °C
Oil quantity: approx. 190 ml.

7 | Manufacturer's declaration

EC Declaration of Conformity for Machinery (EC Directive 2006/42/EC)

The manufacturer

Niemetz Metall-GmbH
Hollfelder Straße 11
D-96167 Königsfeld

hereby confirms under its sole responsibility that the

Machine: **Transportmaus**

Type: **M220-1** Serial number: **M2....**
Type: **M220-3** Serial number: **M2....**

is compliant with the provisions of the
Machinery Directive 2006/42/EC.

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

EN ISO 12100:2010 **EN ISO 3691-5:2009**

Retention of technical documentation:

Dipl.-Ing. Alexander Niemetz
Niemetz Metall-GmbH

Type, serial number and year of manufacture can be found on the rating plate of the appliance.
Königsfeld, 20.10.2026



Dipl.-Ing. Alexander Niemetz
(Managing Director)

8 | Warranty

The warranty conditions of Niemetz Metall-GmbH apply in their respective current version and can be found in the sales documents and the General Terms and Conditions (GTCs). If you have any questions, the company's Customer Service is available to assist.

9 | Address

Postal and delivery address

Niemetz Metall-GmbH
Transportgeräte
Hollfelder Straße 11
D-96167 Königsfeld

Advice | Sales | Customer Support | Spare Parts

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