



# Operating Instructions

Translation of original operating instructions

**Pallet-Cart**

**PW-III**

**Contents**

- 1 EC-Declaration of Conformity ..... 3**
- 2 General..... 4**
  - 2.1 Authorized use..... 4
  - 2.2 Survey and construction ..... 5
  - 2.3 Technical Data..... 5
    - 2.3.1 Technical Characteristics ..... 5
- 3 Safety ..... 6**
  - 3.1 Safety symbols ..... 6
  - 3.2 Safety Marking..... 6
  - 3.3 Definition skilled worker / specialist ..... 7
  - 3.4 Personal safety requirements ..... 7
  - 3.5 Protective equipment..... 7
  - 3.6 Accident prevention ..... 7
  - 3.7 Function Control ..... 8
    - 3.7.1 General ..... 8
- 4 Adjustments and operating ..... 8**
  - 4.1 Adjustments..... 8
  - 4.2 Operating ..... 9
    - 4.2.1 Filling Hydraulic Oil..... 9
- 5 Maintenance and care ..... 10**
  - 5.1 Maintenance ..... 10
    - 5.1.1 Mechanical ..... 10
  - 5.2 Trouble shooting ..... 10
  - 5.3 Repairs ..... 11
  - 5.4 Safety procedures ..... 11
  - 5.5 Hints to the type plate..... 12
  - 5.6 Hints to the renting/leasing of PROBST devices ..... 12

**1 EC-Declaration of Conformity**

Description: **Pallet-Cart**  
 Type: **PW-III**  
 Order number: **5110.0011**  
 Manufacturer: Probst GmbH  
 Gottlieb-Daimler-Straße 6  
 71729 Erdmannhausen, Germany  
[info@probst-handling.de](mailto:info@probst-handling.de)  
[www.probst-handling.de](http://www.probst-handling.de)



The machine described above complies with the relevant requirements of the following EU directives:

**EC-machinery directive 2006/42/EC**

The following standards and technical specifications were used:

**DIN EN ISO 12100**

Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)

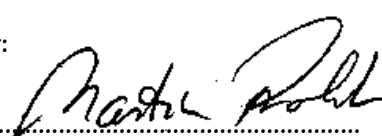
**DIN EN ISO 13857**

Safety of machinery - safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2008)

**Authorized person for EC-documentation:**

Name: J. Holderied  
 Address: Probst GmbH; Gottlieb-Daimler-Straße 6; 71729 Erdmannhausen, Germany

Signature, information to the subscriber:

Erdmannhausen, 25.07.2018.....

(M. Probst, Managing director)

## 2 General

### 2.1 Authorized use

The device pallet cart (PW III) exclusively suitable for transporting of stone slabs (on pallets) on a building site (on even ground). Underride the pallets sidewise.

The device (PW III) may **only** be used on sloping locations with **not more than 15°** (slope) and if the conditions on the area allows a safety handling with this device.

The ground must be able to carry the full weight.

The device (PW III) can set by itself on sloping locations and cause considerable damages, if it is not sufficiently fixed.

**The load capacity of the device is not allowed to cross over!**



The device (PW III) is equipped with **no parking brake**.

For this reason it is absolutely necessary that the device is fixed with sloping location additionally with **brake blocks**.



**When lowering the load pay attention. Danger of squeezing the feet!**  
Therefore, always keep distance. In particular, children are at risk.



#### NOT ALLOWED ACTIVITIES:

**Unauthorized alterations** of the device and the use of any self-made additional equipment could cause danger and are therefore **forbidden!**

Never exceed the **carrying capacity** and the **nominal width/nominal size** of the device.

#### All unauthorized transportations with the device **are not allowed:**

- Transportation of people and animals.
- Transportation of other loads and materials than described in this manual.
- Never suspend any goods with ropes, chains or similar at the device.



- The device is only designed for the use specified in this documentation.
- Every other use is not authorized and is forbidden!
- All relevant safety regulations, corresponding legal regulations, especially regulations of the declaration of conformity, and additional local health and safety regulations have to be observed.



Prior to every operation the user **must** ensure that:

- The equipment is suited to the intended operation, the functioning and the working condition of the equipment is examined, and the load is suitable to be handled.

*Any doubts about instructions should be raised with the manufacturer prior to use.*

## 2.2 Survey and construction



1	Handle
2	Lever for lifting cylinder
3	Gabelholmen (einstellbar)

Abb.1

## 2.3 Technical Data

Type:	Max. Pallet Length	Distance between forks	Carrying capacity	Dead weight
PW III	1.250 mm [49"]	adjustable	1.500 kg [3,300 lbs]	195 kg [430 lbs]

### 2.3.1 Technical Characteristics

Maximum Load Height:	Maximum Pallet Width:	Width:	Length:	Height:
200 mm	1263 mm	1615 mm	1400 mm	800 mm
Tyre pressure:	Hydraulic oil volume:	Types of oil:		
Large 3,5 kg/cm <sup>2</sup> (min. 2,7 / max. 3 bar)	Cylinder blue/black 0,5 l	SAE 10 Hydra; SHELL Tellus Oil 37; HOUGHTON HD 22,5		
Small 2 kg/cm <sup>2</sup>	Cylinder grey 0,3 l			

### 3 Safety

#### 3.1 Safety symbols



**Danger to life!**

Identifies imminent hazard. If you do not avoid the hazard, death or severe injury will result.



**Hazardous situation!**

Identifies a potentially hazardous situation. If you do not avoid the situation, injury or damage to property can result.



**Prohibition!**

Identifies imminent a prohibition. If you do not avoid the prohibition, death and severe injury, or damage to property will result.



Important informations or useful tips for use.

#### 3.2 Safety Marking

**WARNING SIGN**

Symbol	Meaning	Order-No.:	Size:
	Danger of squeezing the hands.	2904.0221	30 mm
		2904.0220	50 mm
		2904.0107	80 mm

**REGULATORY SIGN**

Symbol	Meaning	Order-No.:	Size:
	Each operator must have read and understood the operating instructions (and all safety instructions).	2904.0665	30 mm
		2904.0666	50 mm

### 3.3 Definition skilled worker / specialist

Only skilled workers or specialists are allowed to carry out the installation-, maintenance-, and repair work on this device!

Skilled workers or specialists must have for the following points (if it applies for this device), the necessary professional knowledge.

- for mechanic
- for hydraulics
- for pneumatics
- for electrics

### 3.4 Personal safety requirements



Each operator must have read and understood the operating instructions (and all safety instructions). Only qualified, authorized personal is allowed to operate the device and all devices which are connected (lifting device/carrier).



The manual guiding is only allowed for devices with handles.

### 3.5 Protective equipment

The protective equipment must consist, according to the safety regulations of the following parts:

- Protective clothing
- Safety gloves
- Safety shoes

### 3.6 Accident prevention



- The workplace has to be covered for unauthorized persons, especially children.
- Take care in case of thunderstorm!



- The workplace has to be sufficiently illuminated.
- Take care with handling wet, dirty and not solidified components.



- The working with the device in case of atmospheric editions under 3 °C (37,5 °F) is forbidden! Because the goods could be fall down caused by dampness or freezing.

### 3.7 Function Control

#### 3.7.1 General



- Before using the device check the functions and the working condition.
- Maintenance and lubrication are only permitted when device is shut down!



- Do not use the device, until all faults which can cause safety hazards are removed.
- If there are any cracks, splits or damaged parts on any parts of the device, **immediately** stop using it.



- The operating instructions must be available at the workplace every time.
- Do not remove the type plate of the machine.
- Unrecognisable information signs (such as regulatory or prohibition signs) must be replaced.

## 4 Adjustments and operating

### 4.1 Adjustments

- Before using the device (PW III) adjust the forks (3) according to the corresponding distance.
- The forks (3) are displaceable and can so be adjusted stepless.

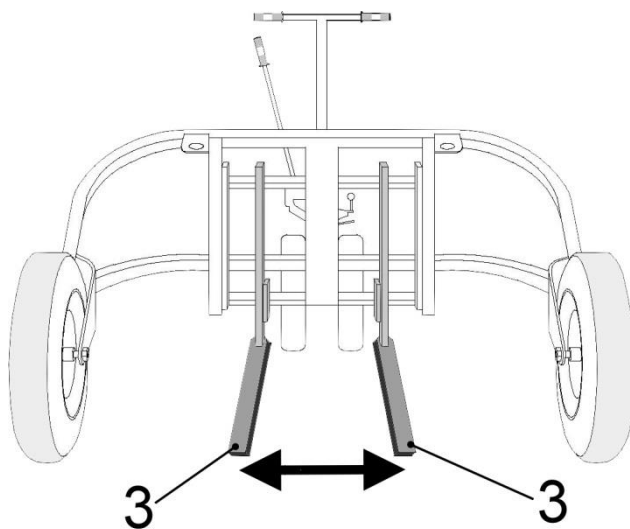


Abb. 1

3	Forks
---	-------



## 4.2 Operating

- For a slowly lowering of the forks (3) activate the lever II at the hydraulic cylinder anti-clockwise .
- As soon as the forks (3) are lowered adequate, the PW III can be positioned under the pallet.
- To raise the load (pallet) move the elevating lever I from position 1 to position 2 and the back again until the required height is reached (maximum height 200 mm).  
Regard, that this action only occur lever II should be in position 1 for it to work correctly.
- Transport the device (PW III) with the pallet to the place of destination and lower the pallet slowly, by opening (anti clockwise) the hydraulic lever II.



**When lowering the load pay attention. Danger of squeezing the feet!  
Therefore, always keep distance. In particular, children are at risk.**



The device (PW III) is equipped with **no parking brake**.

For this reason it is absolutely necessary that the device is fixed with sloping location additionally with **brake blocks**.

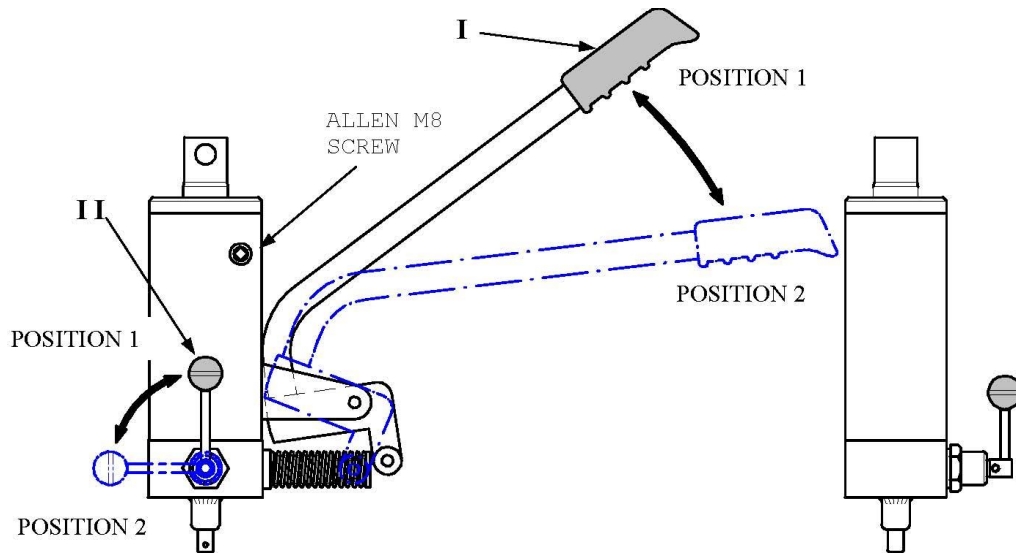


Fig. 2



- Lower the device (PW III) Regard, when it is not in operation - to raise the life time of the hydraulic.

### 4.2.1 Filling Hydraulic Oil

If the oil cylinder needs to be topped up, the following steps should be followed:

- Lower the forks (37Fig.1) of the Pallet Truck by turning the lever II anti-clockwise.
- Loosen the **Allen M8 screw** situated on the cylinder (see Fig.2) and top up the oil through the hole until it overflows.

## 5 Maintenance and care

### 5.1 Maintenance



To ensure the correct function, safety and service life of the device the following points must be executed in the maintenance interval.

Used **only original spare parts**, otherwise the warranty expires.

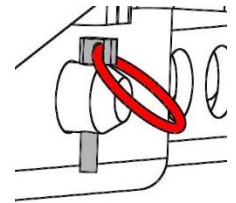
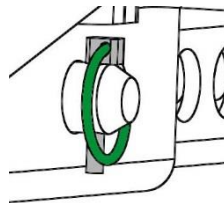


**All operations may only be made in unpressurised, electro less and closed state of the device!**

#### 5.1.1 Mechanical

SERVICE INTERVAL	Maintenance work
First inspection after 25 operating hours	<ul style="list-style-type: none"> <li>Control and tighten all screws and connections. (The implementation is only allowed by an expert).</li> </ul>
All 50 operating hours	<ul style="list-style-type: none"> <li>Tighten all screws and connections (take care that the tightening torques according to the property class of the screws are observed).</li> <li>Check all existing safety elements (such as linchpins) for perfect function and replace defective safety elements. → 1)</li> <li>Check all joints, bolts, guidance's and gears for correct function, if necessary adjust or replace it.</li> <li>Check all grippers (if available) for signs of wear.</li> <li>Grease all slidings (if available) when the device is in opened position with a spatula.</li> <li>Grease all grease nipples (if available) with a grease gun.</li> </ul>
Minimum 1x per year (at rough conditions shorten the interval)	<ul style="list-style-type: none"> <li>Check of all the suspension parts, bolts and straps. Check for corrosion and safety by an expert.</li> </ul>

1)



### 5.2 Trouble shooting

ERROR	CAUSE	REPAIR
The pallet cart cannot be raised	Valve is opened	Close valve (lever II)
The pallet cart cannot be lowered	Valve defective	Check valve (lever II) and exchange it if necessary.
The pallet cart is difficult controllable.	Steering bearing is defective. Tyre pressure is to low.	Check the steering bearing. Check tyre pressure.



## 5.5 Hints to the type plate



Type, serial-number and production year are very important for the identification of your device. If you need information to spare-parts, warranty or other specific details please refer to this information.

The maximum carrying capacity/working load limit (WLL) is the maximum load which can be handled with the device. Do not exceed this carrying capacity/working load limit (WLL).

If you use the device in combination with other lifting equipment (Crane, chain hoist, forklift truck, excavator) consider the deadweight of the device.



Example:

## 5.6 Hints to the renting/leasing of PROBST devices



With every renting/leasing of PROBST devices the original operating instructions must be included unconditionally (in deviation of the users country's language, the respective translations of the original operating instructions must be delivered additionally)!

# Proof of maintenance

Warranty claim for this machine only apply for performance of the mandatory maintenance works (by an authorised specialist workshop)! After each completed performance of a maintenance interval the included form must be fill out, stamped, signed and send back to us immediately <sup>1)</sup>.

<sup>1)</sup> via e-mail to service@probst-handling.com / via fax or post

Operator: \_\_\_\_\_

Device type: \_\_\_\_\_

Device-No.: \_\_\_\_\_

Article -No.: \_\_\_\_\_

Year of make: \_\_\_\_\_

## First inspection after 25 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name                      Signature

## All 50 operating hours

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name                      Signature
		Company stamp
		.....
		Name                      Signature
		Company stamp
		.....
		Name                      Signature

## Minimum 1x per year

Date:	Maintenance work:	Inspection by company:
		Company stamp
		.....
		Name                      Signature
		Company stamp
		.....
		Name                      Signature