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BA-Nr.: 02.07.146/2023-07-A01

## User Manual

# Multifunctional nursing wheelchair

| Phoenix                                                                           |           | Phoenix   |
|-----------------------------------------------------------------------------------|-----------|-----------|
| <b>REF</b>                                                                        | 351.xx.10 | 351.xx.40 |
|  | 150 kg    | 150 kg    |

XX = colour code



Figure similar



Read this User Manual **before using the product for the first time** and keep it at hand for the user as well as for future use and provide it to the purchaser in the case of subsequent sales.



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## 1. Product description

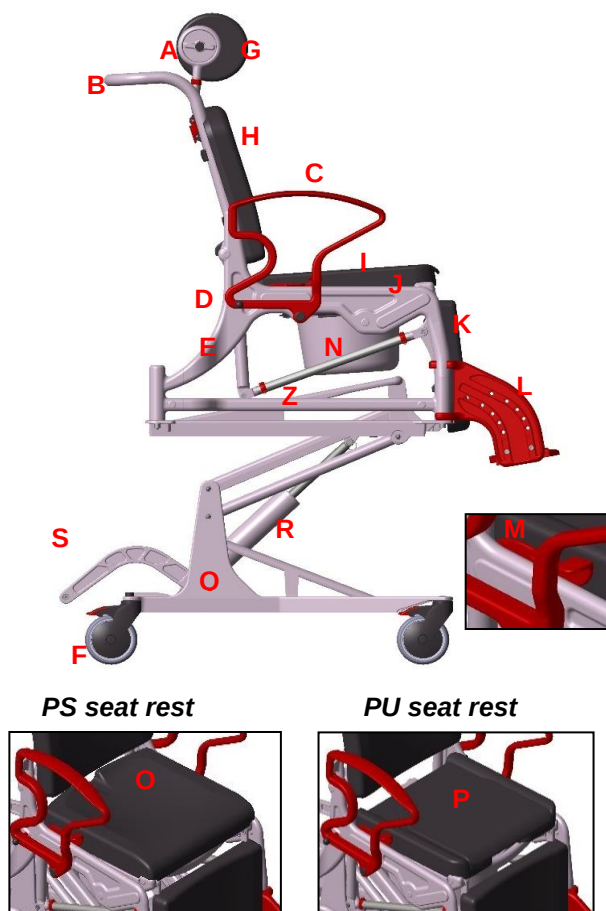


Figure shows:

|   |                                             |
|---|---------------------------------------------|
| A | Rotation adjustment for PUR headrest        |
| B | Backrest                                    |
| C | Armrest (foldable)                          |
| D | Locking bolts                               |
| E | Chair frame with tilt adjustment            |
| F | Wheel insert with parking brake             |
| G | PUR headrest (replaceable)                  |
| H | PUR back padding (removable)                |
| I | PUR seat, hygiene opening and bucket holder |
| J | PUR seat cushion (removable)                |
| K | PUR leg support (removable)                 |
| L | Foot support with footrest (adjustable)     |
| M | Locking lever for tilt adjustment           |
| N | Toilet bucket with lid                      |
| O | PUR transport seat (removable)              |
| P | PUR seat, hygiene opening with support      |
| Q | Lifting device for seat height adjustment   |
| R | Hydraulic unit (cylinder with axle)         |
| S | Lever with foot pedal                       |
| Z | Product nameplate                           |

## 11.1 Introduction

- The product described here is a medical device of risk class I according to **(EU) 2017/745 MDR**.
- In this user manual, you will find information on the safe and proper initial operation, use, maintenance and care of this product.
- Read this manual carefully before using this product. Follow the safety instructions and act accordingly.

## 2. Features

- This product is designed for people with adult body proportions. They should weigh
  - 40 to 150 kg in the Phoenix
  - and be at least 146 cm tall.

### 2.1. Intended purpose

#### 351.xx.10

- The product is intended for the care of patients with limited ability to stand and/or walk. It facilitates showering while sitting or lying down, as well as going to the toilet, even if a conventional toilet or bathroom is out of reach.
- It can be smoothly and variably adjusted between sitting and lying positions. The patient must have sufficient sitting ability and upper body musculature. If necessary, a nurse must be present during use.
- The product is not intended for prolonged sitting or transfer.

#### 351.xx.40

- The product is intended for the care of patients with limited ability to stand and/or walk. It facilitates showering while sitting or lying down. It can be smoothly and variably adjusted between sitting and lying positions.
- In addition, it is hydraulically height-adjustable. The patient must have sufficient sitting ability and upper body musculature. If necessary, a nurse must be present during use.
- The product is not intended for prolonged sitting or transfer.

#### Specification:

- Maximum user weight: 150 kg
- Height-adjustable footrests
- Wheelchair, 4 swivel castors, lockable
- Indoor use

## Indication

- Use in domestic and inpatient settings.
- Medical condition of the patient:
  - The use of a chair by patients with cognitive disorders (reduced mental, physical, sensory or intellectual abilities) must be decided in advance by a medical decision (prescription of the product) or on site by nursing personnel.

## 11.2 Use

- Temperature range: 5 °C to +35 °C Direct radiant heat on the product must be avoided.
- Relative humidity: 40% to 75%. Outside of these conditions, the product must only be used for a short time.
- This product may not be used to transport heavy objects.
- There must be a level parking area of sufficient size. See 16.

## 11.3 Storage & transport

- Temperature range: 5 °C to 25 °C; direct radiant heat on the product must be avoided.
- Store the product in dry rooms with a humidity of up to 65%.

## 11.4 Equipment & functions

- The chairs consist of a plastic frame on 4x5" swivel castors with locking brake. The armrests can be swivelled and have an armrest locking device.
- The footrests are height-adjustable and can be removed or folded down. The headrest is height-adjustable and rotatable. A tilt adjustment of the chair, via a lever function, for the supine position of the patient
- The chair has a hydraulic lifting device for raising the patient by approximately 400 mm.
- Depending on the equipment variant, there is a PUR seat for transport purposes or a PUR seat with hygiene cut-out (incl. toilet bucket with lid).
- Due to the design and intended use of the product, disassembly for transport or storage is not intended or necessary.

## 11.5 Packaging

- We recommend you keep the packaging for later transport.
- Dimensions: 1003 mm x 710 mm x 1080 mm

## 11.6 Disposal

- Disposal and recycling of used products and packaging must be carried out in accordance with currently valid regulations. Please contact a disposal company for further information.
- The Infection Protection Act must be observed.
- Please observe any labels and information on packaging material and act accordingly.

## 3. Symbols & nameplates

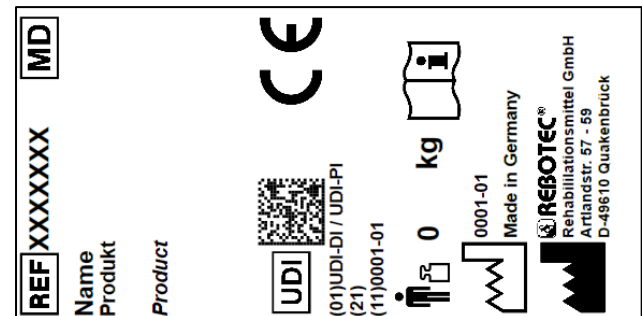


Figure similar.

- ◻ The nameplate must not be removed!
- ◻ For ordering spare parts and processing complaints, the device name, serial number and year of manufacture will be required.

| Symbol | Meaning                                     | Symbol | Meaning                               |
|--------|---------------------------------------------|--------|---------------------------------------|
|        | Read the manual!                            |        | Year of manufacture of product        |
|        | Serial number                               |        | Important information!                |
|        | Product number                              |        | Maximum user weight in kg             |
|        | Care instructions                           |        | Maintenance instructions              |
|        | Applicable for indoor use only.             |        | Manufacturer                          |
|        | Visual signal                               |        | Language                              |
|        | Read the User Manual!                       |        | Do not dispose of as household waste. |
|        | The product complies with (EU) 2017/745 MDR |        |                                       |
|        | Caution! Observe the safety instructions    |        |                                       |

| Symbol                                                                            | Meaning                                                                   | Symbol | Meaning |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------|---------|
|  | Unique Device Identifier<br>(Data: GTIN / LOT (SN) / year of manufacture) |        |         |
|  | Medical device label<br>This product is a medical device.                 |        |         |

## 4. Safety instructions



**Please observe the following safety instructions:**

- Before using the product for the first time, the User Manual must be read completely in order to avoid hazards or damage caused by maloperation.
- Before every commissioning, check whether there is any visible damage to the product.
- In case of malfunction or damage of any kind, the product must not be used.
- Do not leave the patient unattended during use.
- Do not leave children unattended with the product.

### Caution: Danger of falling!

- The product should be used with the help of a trained caregiver, depending on the patient's condition.
- When adjusting the backrest, the patient should hold on to the armrests.
- The patient must never use the footrests to support his/her weight when sitting down or standing up.
- Patients who are prone to uncontrolled actions or movements must be supervised when using the chair.
- The chair may **only** be moved on a slope or incline with the help of a caregiver. Generally, on an uphill slope the chair should be pushed forward and on a downhill slope it should be pulled backward.

### Caution: Danger of slipping!

- Before use, check that the seat surfaces are firmly clamped in the seat frame.
- Always lock **at least** 2 parking brakes on the wheels before using the chair to prevent the chair from rolling away.
- When sitting down, do not sit on the front edge of the seat or on the seat cushion; the user should take up the entire seat surface.

### Caution: Danger of tipping over!

- The chair must only be used with the armrests locked in place when sitting, moving about and/or adjusting the tilt angle.

- The product may only be pushed by the push handle.
- The footrests must be swung down or folded up before sitting down and standing up. Do not stand on the footrests!
- **Do not** move the chair against door thresholds, edges or other uneven surfaces
- **Only** use the product indoors and on flat, skid-proof surfaces.
- **Only** move the product at a moderate pace.
- Persons must only be transported in an upright sitting position.
- Never lean out of the chair. If the swivel castors are in an unfavourable position (pointing inwards), the chair's stability is limited.
- Special care must be taken when moving the chair in a tilted position!
- Moving the chair in the raised state, with patients, is not permitted for safety reasons! Check that the chair is in the lower position before releasing the brakes.

### Caution: Danger of breakage!

- The product is **only** suitable for the intended use. Note the maximum body weight allowed. See 2.
- Do not expose the product to strong temperature fluctuations (11.2 & 11.3).

### Caution: Danger of pinching or catching!

- Do not leave the patient unattended during use.
- When folding the armrests up or down, do not reach into the joint guide to avoid any trapping of body parts etc. in them. Do not put any body parts into the armrests.
- To prevent body parts from becoming trapped, do not grip between the seat plate and the frame when pressing on the seat plate or adjusting the tilt adjustment.
- When folding down the footrests, take care to avoid trapping any body parts. Do not insert any body parts into the cut-out in the heel area.
- When adjusting the headrest, make sure that no parts of the body or any objects are trapped. Do not place any parts of the body between the
- When pulling out and pushing in the toilet bucket, there is a risk of soft parts of the patient being trapped. To prevent injuries, the bucket may only be pulled out or pushed in when no user is sitting in the chair.

- When operating the lift mechanism, observe the warnings on the equipment (lift unit). The lifting unit consists of parts which are movable relative to one another and which, if used improperly, present a risk of crushing.
- Therefore, keep hands and feet away from clamping points and do not reach into the lifting unit when lifting and lowering the chair.

**Caution: Risk of injury!**

- There is a risk of injury with surface temperatures > 40 °C. Therefore, do not expose the product to high temperatures (e.g. sunlight, radiators, hot water). Allow the product to cool down before use.



*If the product is used by patients with insensitive skin (no temperature perception or skin damage), a heat check (e.g. touching with the back of the hand) must be carried out by the nursing staff.*

#### 4.1. Safety instructions – Lifting device



**Please observe the following safety instructions:**

**Caution: Danger of pinching or catching!**

- When lifting or lowering, pay attention to the warning labels (stickers in the area of the lifting device).
- The lifting unit consists in part of parts which are movable relative to one another and which, if used and handled improperly, present a risk of crushing
- Therefore, keep hands and feet away from clamping points and do not reach into the lifting unit when lifting and lowering the chair.
- The hydraulic unit has a spring-reset pedal. Do not allow the pedal to spring back when you leave it, there is a risk of injury.

**Caution: Risk of injury!**

- Make sure that no third person and/or objects are in the danger area when lifting or lowering the lifting unit.
- Secure stability must be ensured before the chair is used and the lifting unit is used.
- Only use the lifting device with a protected foot (footwear) to prevent injury.
- Do not place any items on the foot pedal.
- Pay attention to the maximum body weight, as the chair is designed only for this maximum load.

- There is a risk of slipping in the case of leaking hydraulic oil. Check the system for leaks before each use.
- If leakage occurs at the hydraulic cylinder (hydraulic oil leakage) and the liquid comes into contact with open flame or hot surfaces, it may ignite. Ensure protection against potential fires!
- Do not jump on the pedal and do not use your full body weight to operate it. One foot must always remain on the floor for safe standing.

## 5. Incident reporting

- Serious incidents in connection with the product must be reported immediately to the manufacturer and Federal Institute for Drugs and Medical Devices (BfArM).
  - Use the reporting functions and provided forms.
- o Manufacturer: [pms@rebotec.de](mailto:pms@rebotec.de)

## 6. Warranty

- The manufacturer grants a warranty of 12 months for this product. The prerequisites are the general terms and conditions ([www.rebotec.de/agbs](http://www.rebotec.de/agbs)), as well as the intended use. The statutory warranty provisions shall apply.
- Unauthorised modifications to this product will void the product's conformity and the warranty.

### 11.7 Complaints

- Please contact us before returning the product.
- To reduce transport damage, use the original packaging if possible.
- The Infection Protection Act must be complied with.
  - o Please make sure that the product does not pose a risk of infection when returned.
  - o Enclose the supplied information sheet on safety with the product. Costs may be incurred for returns that are not marked as harmless.

## 7. Reuse, lifetime

- The product is suitable for reuse. How often the product can be reused depends on the frequency and nature of use.
- Before reuse, the product must be reprocessed hygienically and the technical and functional safety and reliability of the product must be checked and restored if necessary. See 13.

- For more detailed information, please see the re-processing instructions (02.12.158) and the maintenance instructions (02.11.151).
- The documents can be downloaded from the following link.
  - [www.rebotec.de/downloads](http://www.rebotec.de/downloads)
- When used as intended, the product has a lifetime of 5 years. The effective lifetime may vary depending on the frequency and intensity of use and the general condition. A longer service life is possible with a lower intensity of use.

## 8. Scope of delivery

- 1x multi-function carer wheelchair
  - 1x headrest, standard
  - 1x Safety belt
  - 1x Toilet bucket with lid
- 1 User manual (02.07.146)

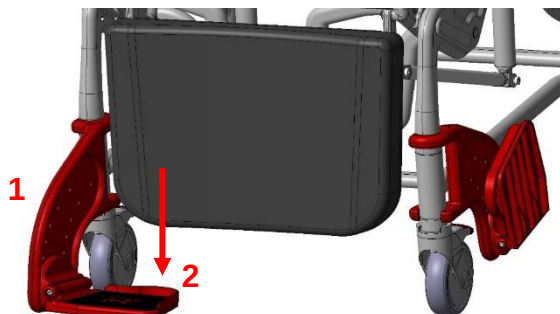
The reprocessing and maintenance instructions can be ordered or viewed and downloaded at [www.rebotec.de/downloads](http://www.rebotec.de/downloads).

## 9. Setting up for use

- The product has been carefully inspected in the factory for freedom from defects and completeness. Please check the product for any possible damage which may have occurred during transport and for completeness of the scope of delivery upon receipt. Assembly or adjustment shall be carried out by the specialist dealer.

### 11.8 Folding down the footrests

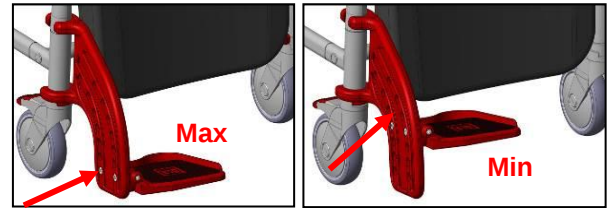
- Turn (1) the footrests forwards until they engage automatically. Fold (2) the footrests down. Adjust the height of the footrests if necessary.



### 11.9 Adjusting the footrest height

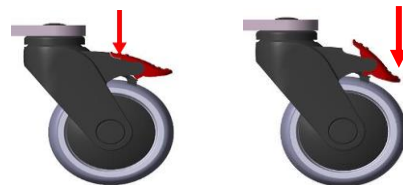
- The footrest height can be adjusted in 4 positions. Loosen and remove the screws on the side of the footrest using an Allen key (SW 5). Select the

appropriate height (1-4) and screw the footrest back in place. Make sure that the screws are firmly tightened!

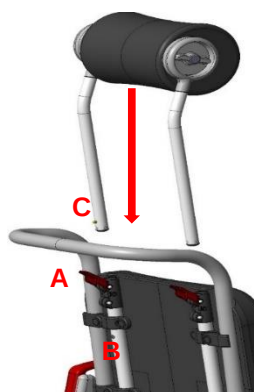


### 11.10 Parking brake operation

- With your foot, press down the parking brake lever. The wheel is now braked and fixed in its direction. The wheel is released by lifting the actuating lever with the foot



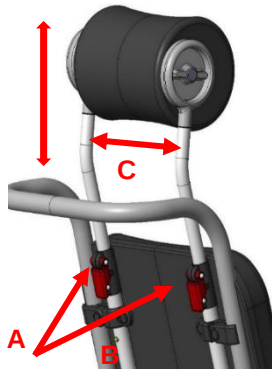
### 11.11 Mounting the headrest



- Fold the levers (A) upwards and insert the tubes of the headrest unit into the openings.
- Push the tubes down until the push-button (C) engages in the hole (B)
- Then push the push-button (C) all the way in and push the tubes to the end stop and fold the levers (A) all the way down.

### 11.12 Adjusting the headrest

- To adjust the headrest height, fold up the two levers (A) and slide the headrest to the appropriate height
- The headrest is infinitely adjustable (approx. 120 mm) until the push button (B) engages in the hole (end position).
- After adjustment is completed, fold the two levers (A) all the way down again. Removing the clips (C) allows for the removal of the headrest for cleaning or its replacement.



- You can adjust the inclination of the headrest by turning the rotary head (A).



**Attention!**  
**Danger of crushing (B) of body parts between the headrest and back pad.**

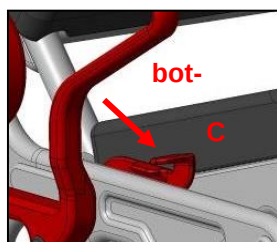
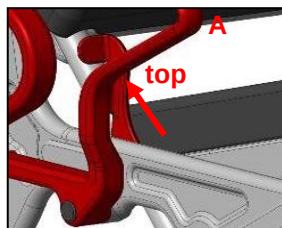
### 9.6 Tilt adjustment

- The backrest can be continuously tilted backwards by approx. 37 degrees, and the seat surface can be adjusted by 12 degrees.
- Pull the locking lever (A) vertically upwards and then press down on the backrest (B) to the desired position.
- Push the locking lever (C) all the way down again.

#### Sitting position



#### Lying position

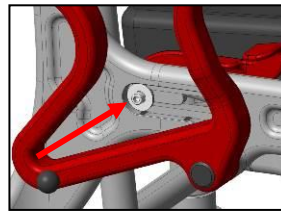


#### Maintenance instructions



If the locking lever is too stiff or too loose, the clamping effect can be readjusted

- Remove the cover. The clamping effect of the lever is increased by turning to the right using an Allen key (SW5) and reduced by turning to the left. Then press the cover firmly back on and lock the armrest into place.

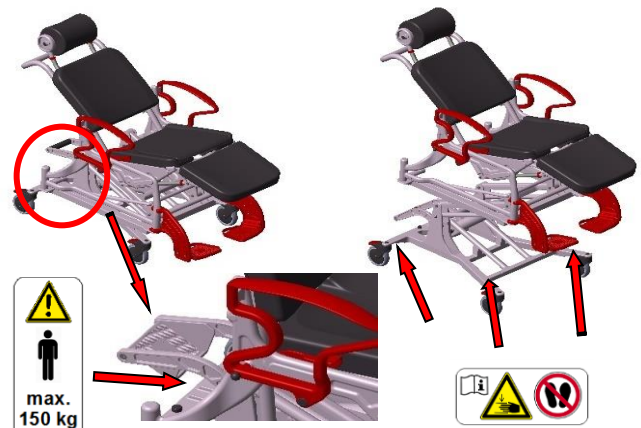


### 9.7 Adjusting the seat height

- The seat height of the chair can be raised continuously and variably via the hydraulic unit by actuating the foot pedal lever
- The chair is raised by about 15 mm per stroke. The patient can be lifted up to a maximum of 400 mm.
- To lower the chair again, pull the foot pedal upwards with your foot.



**Observe the warnings!**



### 9.8 Assembly/removal of the safety belt

- The product is delivered with the safety belt already fitted. To remove it, fold the armrests away as described in point and pull the loops down from the armrest lock.
- When reinstalling, ensure that the belt is not twisted.

## 10 Product information

- We reserve the right to make technical developments and improvements with respect to the design shown in this user manual.
- See 16.

| Field                      | Value             |
|----------------------------|-------------------|
| <b>Phoenix / 351.XX.10</b> |                   |
| Product weight*            | 52.4 kg           |
| Total weight*              | 60.0 kg           |
| <b>Phoenix / 351.XX.40</b> |                   |
| Product weight*            | 51.8 kg           |
| Total weight*              | 59.8 kg           |
| Skin sensitivity           | DIN EN 10993-1/-5 |
| Flammability**             | DIN EN 1021-1/-2  |

\*Without accessories.

\*\*Flame retardant: For products made of PUR material.

## 11 Operation of the product



**Attention: Danger of falling!**

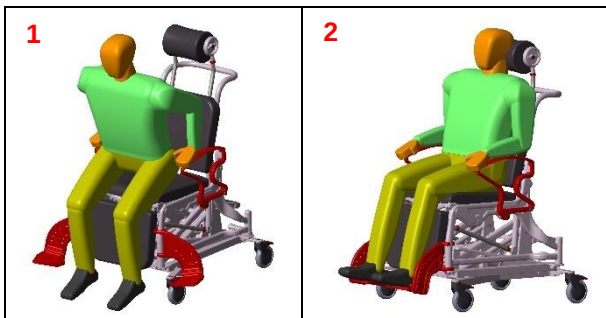
- Before use, it must be ensured that the product is in proper operating condition. If defects or malfunctions are evident, the product must not be used. Have the defects corrected by a specialist dealer before use.



*If necessary, depending on the patient's limitations (adequate mobility and muscle strength), sitting down and getting up must be done with the help of a caregiver. Subsequent adjustments may only be made by qualified personnel!*

### 11.1 Sitting down

- Before sitting down and standing up, make sure that the product is securely positioned to prevent it from slipping or tipping over, that at least two wheels are braked, that the armrests are properly engaged, that the seat surfaces are firmly in place, and that the footrests are folded to the side or up.



- The patient must position themselves as close as possible to the product. By supporting themselves on the two armrests, the patient should slowly sit down on the cushion.
- If this is not possible due to their physical limitations, support must be provided by the nursing

staff. If necessary, the use of a lifting aid or patient lift is advisable

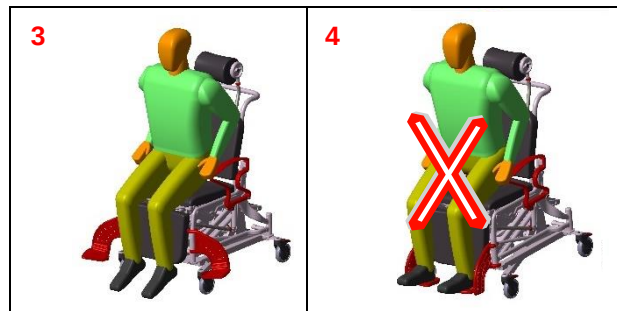


**Caution: Danger of falling!**

- Avoid slumping down on the chair seat. The patient should sit on the full chair surface, if possible, and not only on the edge of the seat.
- When transporting people, the entire surface of the backrest and the footrests must be used if possible

### 11.2 Getting up

- Before standing up, make sure that the product is securely positioned to prevent it from slipping or tipping over, that **at least two wheels are braked**, that the armrests are properly engaged, that the footrests are folded to the side or up and that the patient is sitting upright.
- The patient should move forward on the chair surface until his/her feet are on the floor.



- The patient must support themselves with their arms on the armrests and slowly rise from the seat. The patient must not his/her your body too far forward to avoid a potential risk of falling.
- The patient should be helped to stand up by the nursing staff.

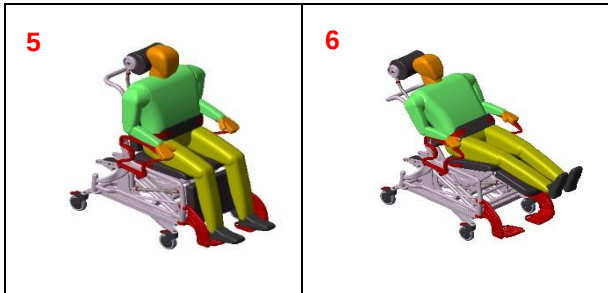


**Caution: Danger of falling!**

- The patient must never use the footrests to support his/her weight when sitting down or getting up (getting into and leaving the chair).

### 11.3 Sitting and lying in the lower position

- Lap belt (322.30.10)
- Before making any changes to the chair's inclination, first fasten the lap belt (see also point 9.7 on page 8). In addition, at least two wheels must be braked beforehand (point 11.5, Figure 1).



#### 11.4 Sitting / lying during lifting



- If the patient is to be raised with the lift mechanism, **at least 2 parking brakes** must be applied before lifting. The lap belt must be used in both the sitting and lying position in order to additionally secure the patient.
- Care must be taken that the clamping lever for tilt adjustment is locked before the lifting operation.

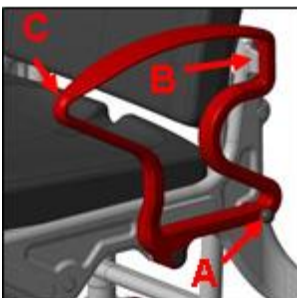


**Caution-tipping danger!**

- The tilt adjustment should not be used in the extended state. There is a risk of tipping.
- The patient should never be left unattended in the chair at any time.
- Moving the chair in the raised state, with patients, is not permitted for safety reasons! Check that the chair is in the lower position before releasing the brakes.

#### 11.5 Swivelling down the arm rests

- Pulling out the locking bolts (A) releases the locking mechanism and the armrests can be swivelled backwards. When folding up the armrest, check

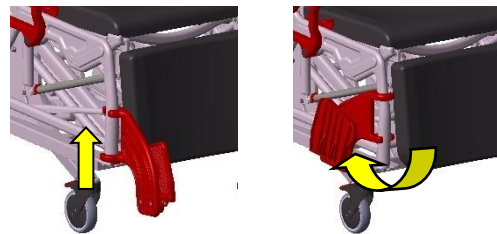


that the catch on the backrest (B) and the locking bolt (A) are seated correctly.

- The armrests are to be swivelled with both hands.
- To do this, keep the locking bolt (A) pulled during the entire swivelling process and guide the armrest to point (C) with the other hand. Only touch the outer area and do not reach into or through the armrest.
- Check the locking mechanism at regular intervals, as possible limescale deposits on the locking mechanism can impair function and smooth operation.

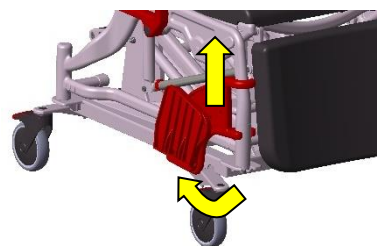
#### 11.6 Folding down the footrests

- First swivel the footrests upwards and then lift the footrest out of the catch on the wheel. The footrest can now be folded back to the side.



#### 11.7 Removing the footrests

- Raise the footrest by approx. 100 mm and turn it outwards by 90 degrees. Loosen the front cover on the side frame.
- Now you can push the footrest all the way up and pull it out. Clamp the cover back on.



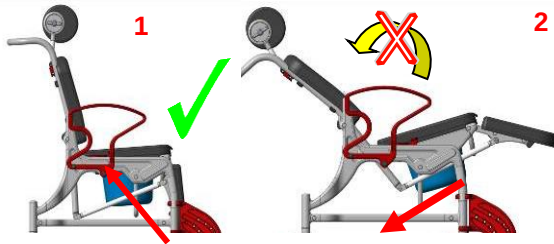
#### 11.8 Removing the seats

- The seat, the leg rest and the back pad can be removed from their locking position on the chair frame for cleaning purposes or for replacement (see description, page 2).

#### 11.9 Using the toilet bucket

- When using the chair (PU) with a toilet bucket, it is only possible to use it in the sitting position (1) and not in the lying position (2), otherwise the toilet bucket will fall!

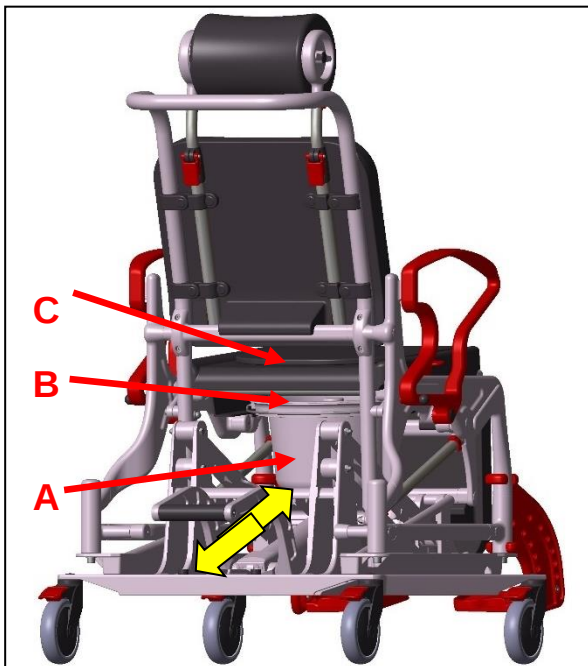
Observe the information sticker on the side frame of the chair, in the area of the armrest.



**Attention! Remove the bucket before tilting the chair!**

### 11.10 Handling

- From the back of the chair, slide the toilet bucket (A) under the seat - remove the toilet lid (B) before installing the bucket.
- To remove, slightly lift the toilet bucket and then pull it out backwards.
- The armrests must be locked to prevent the patient from falling out. After removing the toilet bucket, put the seat cushion (C) back onto the shower seat.



## 12 Troubleshooting

### 12.1 General

| Fault                             | Possible cause                                                 | Remedy                                  |
|-----------------------------------|----------------------------------------------------------------|-----------------------------------------|
| Armrest cannot be swivelled down  | Deposits in the locking device (locking bolt)                  | Cleaning, regular checking              |
| Locking bolt cannot be pulled out | Deposits, tension spring jammed or defective                   | Cleaning, replacing the locking bolt    |
| Footrest cannot be folded down    | Deposits in the joint, bracing                                 | Cleaning, checking screw connection     |
| Wheel lock does not brake         | General defect                                                 | see maintenance!                        |
| The wheel is stiff                | Deposits                                                       | Cleaning                                |
| Wheel does not turn               | General defect                                                 | see maintenance!                        |
| Wheel runs unevenly               | Severe uneven tread wear                                       | see maintenance!                        |
| Chair frame too unstable          | Screw connections too loose                                    | Screw connections: Tighten frame, wheel |
| Wheel insert bent                 | Hitting an obstacle                                            | see maintenance!                        |
| Tilt adjustment lever not working | Jammed, broken, deposits, screw connection too loose or tight. | Checking, Maintenance                   |
| Tilt adjustment not working       | Functional defect                                              | Checking, maintenance                   |
| Headrest adjustment not working   | Functional defect                                              | Checking, Maintenance                   |

### 12.2 Hydraulic unit faults

| Fault                                   | Possible cause                                                 | Remedy                                                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Piston rod extends briefly and retracts | Overflow over-run, maximum lift reached                        | Maximum lift reached. Overflow passed during pressure build-up. The piston rod retracts by the amount of the overlap (approx. 2 mm). No error present. Observe maximum lift.  |
| Piston rod does not extend              | Safety valve does not respond<br>Hydraulic system contaminated | Ensure proper use!<br>Generate a strong internal oil flow through strong, uneven pumping to flush any impurities from the valve seat.<br>Repeat this procedure several times. |



|                                                   |                                                               |                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit does not hold pressure and lowers the</b> | Lower valve not fully closed                                  | Check that the pedal moves smoothly. Check for dirt,                                                                                                                                                                                                                                                                                                          |
| <b>Unit does not hold pressure</b>                | Hydraulic system contaminated<br><br>Temperature fluctuations | Generate a strong internal oil flow through strong, uneven pumping to flush any impurities from the valve seat. Repeat this procedure several times.<br><br>The unit is a closed system that reacts to temperature changes due to its tightness<br><br>When cooled, the oil volume changes.<br><br>No unit fault. Keep the ambient temperature constant.<br>• |
| <b>Piston rod jerking, system spongy</b>          | Air in the system<br><br>Dirt on the piston rod               | Vent the unit (see section 13.2). In most cases, the unit can remain in the frame for this<br><br>Clean the piston rod                                                                                                                                                                                                                                        |

## 13 Cleaning and disinfection

### 13.1 General

- The product is suitable for machine cleaning and disinfection. Please observe the reprocessing instructions (02.12.158).
  - Only the bucket can be cleaned and disinfected by machine.
- Do not use hard objects such as scrapers, wire brushes, or metal sponges.
- Observe infection control. Disinfect the product before reuse.
- Do not mix different cleaning and disinfectant products.

### 13.2 Cleaning

- Gross contamination must be removed immediately after use.

- The seat pad, seat, leg pad and bucket must be removed before cleaning.
  - They must be cleaned and dried separately.
- Use only commercially available detergents with a pH of 5-9.
- Note the mixing ratio information.
- Allow the detergent to act as specified by the manufacturer.
- Remove the cleaning agent with warm water without leaving any residue.
- After cleaning, wipe the product with a damp cloth.
- Dry the product with a cloth after cleaning. The product may only be used in a dry state.

#### Exclusions:

- Cleaning agents must not contain chlorine or strong acids.
- Do not use cleaners with added abrasive.
- Do not use a pressure washer.

### 13.3 Disinfection

- The product is not intended for steam or hot air sterilisation. Observe the operating temperatures (11.2).
- Use only surface disinfectants tested and recognised by the Robert Koch Institute.
  - Permissible agents are those based on (form)aldehyde or alcohol.
- Observe the material approvals of disinfectant manufacturers. The product consists of the following components or materials:
  - Polyamide: Frame, armrests, footrests
  - Polyurethane: Seat, backrest, leg rest, headrest
  - Polypropylene: Bucket & holder
  - Polythene: Nameplate
  - Aluminium: Tubes
  - Stainless steel: Screws, washers. Nuts
- Note the mixing ratio information.
- Observe the safety instructions from the disinfectant manufacturer.
- Apply the disinfectant by spraying or rubbing over the surface.
- Leave the agent to take effect. Observe the indicated exposure times.
- Depending on the disinfectant, a subsequent wiping with warm water may be necessary.

Remove the disinfectant without leaving any residue

**Exclusions:**

- o Do not use any alcohol-based products in the area of stickers and nameplates.
- o Cleaning agents must not contain chlorine or strong acids.

## 14 Maintenance

- Wear and tear that is not recognised in time and/or improper handling, as well as irregular or no maintenance may result in accidents.



*For safety reasons, the product must be professionally maintained at least once a year.*

- Regular safety checks are required:
  - o Check the product and accessories for visible damage (cracks, breaks, loose parts)
  - o Check stability before use
  - o All screw connections for tightness
  - o Function of the armrests and locking bolts
  - o Function of the headrest
  - o Running characteristics and tread of the wheels (replace defective wheels)
  - o Function of the parking brakes.
  - o Function of the headrest
  - o Function of the tilt adjustment
- If you have any questions concerning the maintenance of the product, please contact an authorised dealer or a medical and healthcare supplies store. In the event of damage or a need for repairs, contact your specialist dealer immediately.

### 14.1 Hydraulics maintenance

**Hydraulic cylinder**

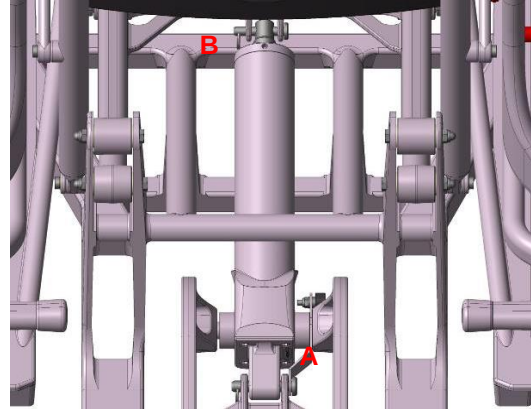
- Regular safety checks are required:
- There is a risk of slipping due to possible leakage of fluids!
- Inspect the unit for leaks before use.
- In case of any issues, do not put the unit into operation or carry out repairs on your own.

**Hydraulic unit**

- The hydraulic unit is a closed system that requires no further maintenance except for the following:
- The unit does not have an oil filler plug.
- The unit oil level cannot be checked.

- Do not open any screws on the unit to inspect or fill the oil.
- Ventilation:
  - o To bleed the hydraulic unit, the unit must be removed. To do this, remove the key rings at points A and B. and pull both bolts out of the holder one after the other.

- To completely bleed the unit, clamp it vertically with



the piston rod up and wait 10 minutes. The pin of the hydraulic unit at point A is suitable as the clamping point.

- Care must be taken to ensure that the stop plate is not clamped as well, since otherwise it might become bent. Push it aside a little before clamping.
- Start the bleeding process as follows:
  - o Extend the piston rod completely by actuating the pedal and continue to actuate the pedal several times at the end of the lifting process. This automatically vents the unit via an integrated venting valve:
  - o Re-engage the hydraulic system completely.
  - o Consider a waiting period in your planning
- Repeat this procedure several times, or until the unit responds to pedal motion immediately and the system is rigid. The unit is then vented.



**Caution: There is a risk of injury due to slipping and clamping!**

- Replacing the gaskets
- The gaskets must be replaced approximately every 6 years due to ageing of the sealing material.

**Hydraulics fire protection**

- The hydraulic fluids used are predominantly combustible fluids. If leakage occurs at the unit and the liquid comes into contact with an open flame or hot surfaces, it may ignite.
- It must be ensured that fires can be extinguished immediately using appropriate extinguishing agents.

- Suitable extinguishing agents are: Foam, extinguishing powder, sand, water mist – no water jet.

#### Repair

- If you have any questions concerning the maintenance of the chair, please contact an authorised dealer or a medical and healthcare supplies store.
- In the event of damage and/or a need for repairs, contact your authorised dealer immediately.
- **Never** make **any** unauthorised modifications or conversions to the chair. These will only adversely affect the safety and functioning of the chair.
- Only use original spare parts from the manufacturer REBOTEC for repairs. Observe all guarantee and warranty information.
- After maintenance or repair work has been carried out, we recommend you clean the chair for hygienic reasons before using it again.
- Follow all the instructions for ordering spare parts, reuse and the lifetime.



*For documenting the maintenance and repair work, REBOTEC provides a Maintenance Report. The operating instructions and maintenance report can be ordered or viewed at [www.rebotec.de](http://www.rebotec.de). It is also possible to print the information and read it when needed.*

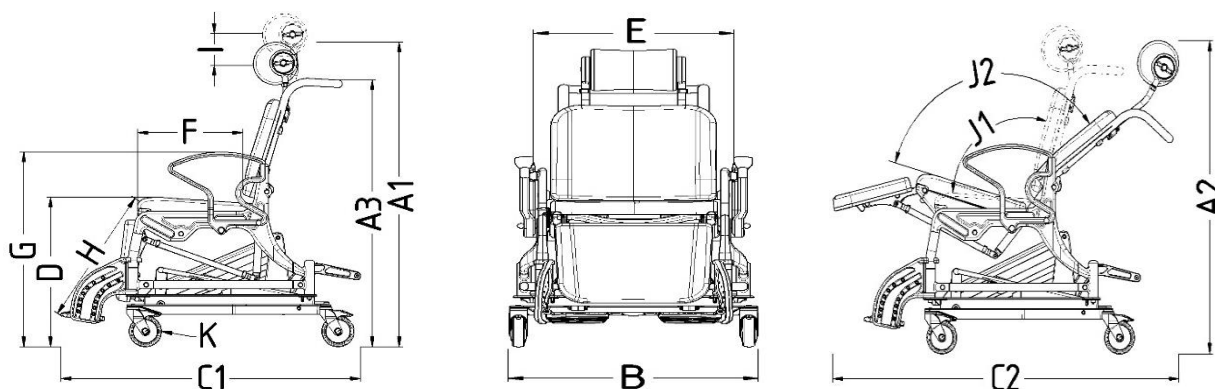
## 15 Spare parts & accessories

| No. | Prod. no.  | Designation                                       |
|-----|------------|---------------------------------------------------|
| 1   | 301...     | Toilet bucket with lid                            |
| 2   | 440.....62 | PUR shower seat padding                           |
| 3   | 440.10.14  | PUR shower seat incl. bucket holder               |
| 4   | 450.10.16  | PUR Backrest cushion                              |
| 5   | 450.10.17  | PUR leg support                                   |
| 6   | 447....57  | Left footrest, height-adjustable                  |
| 7   | 447....59  | Right footrest, height-adjustable                 |
| 8   | 450.10.05  | Armrest lock, complete                            |
| 9   | 443.10.90  | Wheel 125 total brake                             |
| 10  | 422.00.61  | Hydraulic unit (cylinder with axle)               |
| 11  | 450.10.58  | PUR headrest, standard                            |
| 12  | 450.10.59  | PUR headrest, comfort                             |
| 13  | 440.10.32  | PUR armrest pad                                   |
| 14  | 440.10.40  | PUR – Splash protection for PUR shower seat       |
| 15  | 302.00     | Toilet bowl for PUR shower seat with hygienic cut |
| 16  | 322.30.20  | Safety belt size M/L                              |
| 17  | 322.30.10  | Safety belt size S.                               |
| 18  | 322.10.50  | Safety belt slide-on pad                          |
| 19  | 322.30.99  | Set, safety belts incl. padding                   |
| 20  | 440.00.93  | Infusion stand for Phoenix, mounting part         |



*Use only REBOTEC spare parts and accessories to ensure the proper and safe functioning of the product.*

## 16 Drawing & dimensions



| No. | Designation                          | Phoenix       |
|-----|--------------------------------------|---------------|
| A1  | Overall height                       | 1230 mm       |
| A2  | Overall height                       | 1110 mm       |
| A3  | Handlebar height                     | 1060 mm       |
| B   | Overall width                        | 650 mm        |
| C1  | Overall depth                        | 1110 mm       |
| C2  | Overall depth                        | 1435 mm       |
| D   | Seat height                          | 570 mm        |
|     | Seat width                           | 450 mm        |
| E   | Width between armrests               | 540 mm        |
| F   | Seat depth                           | 430 mm        |
| G   | Height to armrests                   | 760 mm        |
| H   | Footrest knee height min.            | 440 mm        |
|     | Footrest knee height max.            | 520 mm        |
| I   | Headrest height                      | 120 mm        |
| J1  | Seat angle                           | 103°          |
| J2  | Reclining angle                      | 128°          |
| K   | Front wheel diameter                 | 125 mm        |
|     | Rear wheel diameter                  | 125 mm        |
|     | Height of lift                       | 400 mm        |
|     | Number of lifts                      | max. 24       |
|     | Pedal actuating force at 150 kg load | approx. 30 kg |



Dimensions and weights may vary depending on the equipment. There might be minor deviations due to production tolerances. Subject to change without notice

Forhandler i Danmark

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Read this User Manual **before using the product for the first time** and keep it at hand for the user as well as for future use and provide it to the purchaser in the case of subsequent sales.