REHATEC®

Upright and Supine Stander Lasse

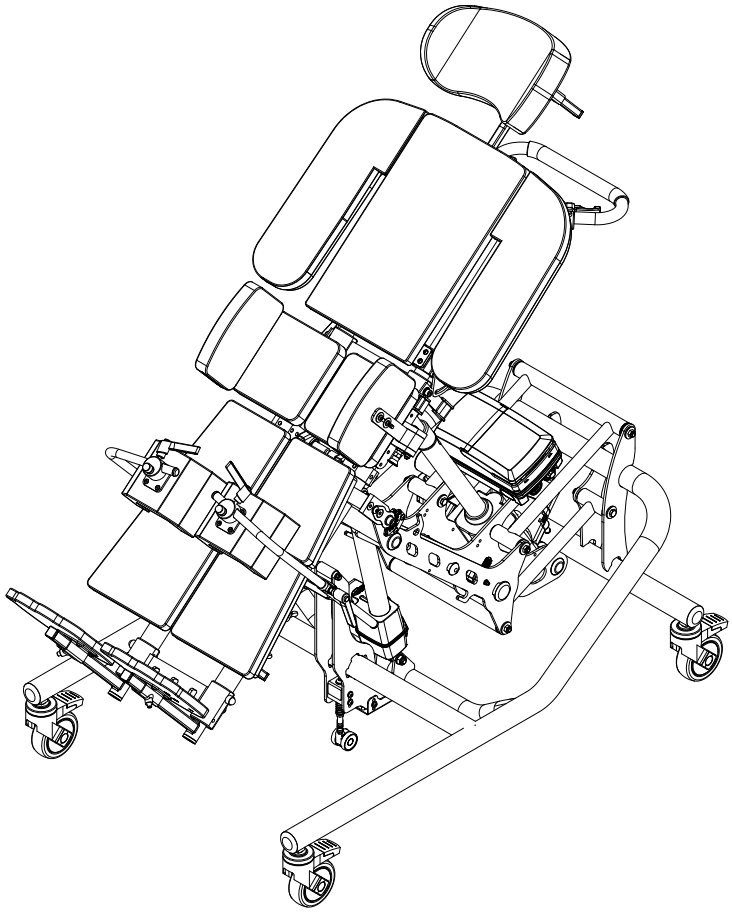
Model with height and tilt adjustment

Size 3, 4, 5

INSTRUCTIONS FOR USE

SERIAL NUMBER: _____

English



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We set standards.

Foreword

Dear User,

We are delighted that you have chosen a high-quality product from Rehatec® GmbH and thank you for your trust.

These instructions are designed to help you familiarize yourself with your Upright and Supine Stander Lasse and to show you how to use it safely and effectively in a variety of everyday situations. Once you have adjusted your Upright and Supine Stander Lasse to the optimal settings, it is ready for use—allowing you to benefit from it for many years to come.

Please note that the illustrations and descriptions in this manual may vary slightly from your product due to individual configuration options. Rehatec® GmbH reserves the right to implement technical changes and improvements. Although these instructions have been prepared with the utmost care, minor errors cannot be completely excluded. Rehatec® GmbH accepts no liability in such cases.

We wish you safe and enjoyable use of your Upright and Supine Stander Lasse.

Rehatec® GmbH

Important note!

This manual provides detailed information and instructions for the adjustment, commissioning, operation, use, maintenance, inspection, care, and re-use of the device. It also includes important safety instructions and limitations of use to protect the patient, the operator, and third parties.

Please read this manual carefully before using your new device for the first time. Individuals with sensory, cognitive, or learning impairments may have the content adapted for better understanding—for example, by having it read aloud, simplified, or explained by another person.

The operator must read and fully understand this manual. To ensure patient safety, the operator must not have any impairments that could temporarily or permanently limit attention or judgment.

Keep this manual readily available for future reference and ensure it remains with the product if the device is transferred to another user. If required, Rehatec® GmbH will gladly provide a replacement copy. The manual is also available for viewing and download at www.rehatec.com.

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Contents

1. Safety

This chapter summarises all safety instructions that you must always observe for your own protection and that of others.

Please follow all instructions in this manual carefully. Incorrect operation can impair important device functions.

All safety instructions and other regulations must be observed at all times by both the patient and the operator. Failure to observe these instructions may result in injury or damage to property.

1.1 Warnings

Warning notices differ depending on the hazard, as indicated by the following signal words:

- **CAUTION** Warning of damage to property!
- **WARNING** Warning of personal injury!
- **DANGER** Warning of danger to life!

Warning/information notices have the following structure:

⚠ **CAUTION/WARNING/DANGER**
Type and source of the hazard! Measures to avoid the hazard.

ⓘ **IMPORTANT**
The information symbol indicates useful tips for easier operation and better understanding.

1.2 Safety instruction

⚠ **Increased risk of tipping! See chapter "Minimum dimensions of the patient environment".**

⚠ **WARNING! Additional safety instructions for individual points under chapter "Setting the device" must be strictly observed!**

⚠ **WARNING! If available, the patient should only wear appropriate footwear in the**

the device.

⚠ **WARNING! Defective or damaged lithium-ion batteries are not authorised for transport!**

⚠ **WARNING! Depending on the clinical picture and weight, several people (or a patient lift) may be required, to transfer the patient onto the supine board.Adjustment ranges must not be exceeded. A secure connection of the parts must be guaranteed.**

⚠ **DANGER! Carry out maintenance at the specified intervals (see chapter " Maintenance").**

⚠ **DANGER! When sitting down and standing up, do not stand on the footrest or similar or lean on the armrest - risk of tipping over.**

⚠ **DANGER! Never turn the tubes of the drives. This can lead to a defect!**

⚠ **DANGER! Only carry out repair and adjustment work, cleaning or disinfection without the user being present.**

in the appliance.

⚠ **DANGER! The maximum permissible patient weight must not be exceeded. See chapter "Technical data" or type plate!**

⚠ **DANGER! Never carry the device with the user or transport it in a car!**

⚠ **DANGER! Do not pull on the drives when moving the appliance. This is not permitted, operating the appliance by pulling the actuator or subjecting it to lateral forces in any other way.**

⚠ **DANGER! Carry out an annual inspection for damage and wear.**

⚠ **DANGER! Pay attention to warning tones, LED signals, unusual noises, uneven operation or changes in stability. Stop the drive immediately and remove the patient from the device if you notice anything unusual.**

⚠ **DANGER! Handle rechargeable batteries with care. Do not short-circuit the battery.**

⚠ **DANGER! Observe the switch-on time:**

10 %, 2 minutes continuous operation, followed by 18 minutes break!

⚠ **CAUTION! The housings of components must not be subjected to impacts or similar loads.**

⚠ **CAUTION! Be aware of the risk of pinching and crushing during all repair and adjustment work.**

⚠ **CAUTION! Connecting cables must remain plugged in during cleaning to prevent water ingress.**

⚠ **DANGER! If parking brakes or safety switches are defective, the appliance must be switched off immediately. taken out of service immediately! Further use is not permitted!**

⚠ **DANGER! Only for operation within the intended conditions! See chapter "Technical data".**

⚠ **DANGER! After each transport in the car, prolonged storage and before reuse of the appliance, all checks must be carried out in accordance with the "Commissioning" chapter!**

⚠ **DANGER! Combinations of the appliance with third-party products or non-original parts are not permitted. permitted and can be dangerous. The manufacturer accepts no liability for damage and complications resulting from such combinations.**

⚠ **DANGER! Hanging lights/cables can pose a risk of electric shock! See chapter "Minimum extension of the patient environment".**

⚠ **DANGER! The patient can push off a table, wall or other furniture with their feet or hands. For more information on protection against water, see chapter "Technical data".**

⚠ **CAUTION! Repair and inspection work may only be carried out by Rehatec® GmbH and authorised specialist dealers.**

⚠ **DANGER! Never use the appliance in the vicinity of or in connection with flammable substances and materials flammable substances and fire-causing objects.**

⚠ **DANGER! The user must ensure that there is no risk of fire when the mains plug is connected arises.**

⚠ **DANGER! Only connect electrical components when they are de-energised and dry or disconnect them.**

⚠ **DANGER! Risk of electric shock! Never pull on the cables to adjust the appliance! There is a risk of electric shock if the cables are torn or the insulation is damaged!**

1. Safety

⚠ **DANGER! Risk of electric shock! Never touch the mains plug with wet hands!**

⚠ **DANGER! Cables lying around are a tripping hazard!**

⚠ **DANGER! Risk of electric shock! The appliance's cables are not traversable! If the cable is damaged the drive must be taken out of operation immediately and disconnected from the power source!**

⚠ **DANGER! The device may only be used for therapeutic purposes! It must not be used as a patient lift for further transport or as a ladder!**

⚠ **DANGER! Explosion hazard! The device must not be used in an environment where flammable or explosive gases or vapours are likely to occur (e.g. oxygen)!**

⚠ **DANGER! Risk of tipping over! Playing children must not pull themselves up on the appliance!**

⚠ **DANGER! The battery cells can develop excessive heat in the event of a short circuit or mechanical damage! Fire hazard! Risk of burns! Risk of suffocation due to fire products!**

⚠ **DANGER! The device must not be operated under the influence of drugs or alcohol or by operators with cognitive impairments. The user must not have any impairments that temporarily or permanently restrict attention and judgement.**

⚠ **DANGER! The standing device contains small parts (e.g. tube plugs or protective caps) that can be swallowed by small children or mentally impaired patients! Always ensure that small parts do not come loose!**

⚠ **DANGER! Risk of electric shock! Keep playing children away from all electronic components away from all electronic components!**

⚠ **DANGER! The appliance may only be connected to the mains supply if the mains voltage of the socket matches the specification on the rating plate or in the "Technical data" chapter!**

⚠ **DANGER! Upholstery, wooden and plastic parts installed on the appliance are not reliably flame-retardant. They can be ignited by smoking utensils, ovens, cookers, fireplaces and other room heaters, for example.**

⚠ **DANGER! The operator must not have any impairments that could impair attention. and judgement temporarily or permanently!**

⚠ **DANGER! The base frame has many moving parts! Make sure to keep hands and feet between the moving parts!**

⚠ **DANGER! The patient must never be left unattended. Constant supervision by an operator is required!**

⚠ **DANGER! All settings must be made correctly before each use of the device. Before each use, check that all parts are securely fastened.**

⚠ **DANGER! The individual limitations and abilities of the user must always be taken into account. taken into account at all times.**

⚠ **DANGER! It is not permitted to operate the tilt / height adjustment without the parking brakes activated!**

⚠ **DANGER! Unauthorised access to the housing of electronic components is prohibited! All electrical components are closed units that do not require internal maintenance!**

⚠ **DANGER! The appliance is only authorised for use by one person!**

⚠ **DANGER! The user must be adequately secured against falling out, without restricting their comfort. Use of the device without securing the upper body by e.g. a bodice, is not permitted!**

⚠ **DANGER! The device may only be used by a trained user who has read and understood the complete instructions for use! Instruction must be given by the operator/ service provider!**

⚠ **DANGER! The device must not be changed or modified without the manufacturer's authorisation.**

⚠ **DANGER! Only use the appliance on a firm, level surface. There is a risk of tipping and slipping if the surface conditions change.**

⚠ **DANGER! Limited manoeuvrability on soft surfaces, e.g. carpets - risk of tipping over!**

⚠ **DANGER! When cleaning and disinfecting, residues of the agents used must be removed, to avoid poisoning, irritation and allergic reactions! See chapter "Cleaning and disinfection".**

⚠ **DANGER! All adjustments of elements that are suitable for patient positioning may only be carried out in the horizontal position of the back support board!**

⚠ **DANGER! Only load the reclining chair at the authorised points - excessive loading due to incorrect handling (e.g. by attaching objects, supporting or leaning etc.) leads to a risk of tipping.**

⚠ **DANGER! If the height is set to maximum, the centre of gravity shifts upwards and there is a risk of tipping increased risk of tipping!**

⚠ **DANGER! Protect the appliance from moisture! In the event of contact with moisture, ensure immediate drying immediately.**

ⓘ **IMPORTANT! Both actuators may only be cleaned if the actuators are completely are fully retracted.**

ⓘ **IMPORTANT: Do not expose the components of the drive system to UV disinfection lamps. This can cause damage to the housing, carrier parts and cables.**

2. Symbols

2.1 Symbols and signs on the product

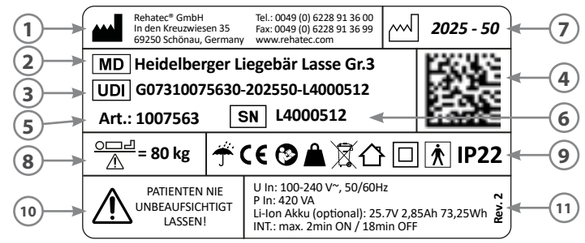
1		Follow the instructions for use!
2		Only suitable for indoor use.
3		Manufacturer
4		Date of manufacture (week/year)
5		CE mark
6		Maximum permissible patient weight
7		Maximum permissible nominal load
8		Battery/device disposal
9		Serial number
10		Medical device
11		Unique identifier of a medical device
12		Protect the product from moisture.
13		Warnings. Caution!
14		Caution! The device weighs more than 10 kg! At least 2 people are required to carry the device.
15		Warnings. Risk of crushing hands/fingers!
16		Instructions for use
17		Type BF medical device
18		Class II device
19	IPN_1N_2	Protection class: N1 – degree of protection against foreign objects and contact

2.2 Type plate on the device

For clear identification and information purposes, the following labels are affixed to the base frame (see chapter 'Product and delivery overview'):

1 Manufacturer address
2 Device type/name/size (MD = Medical Device)
3 UDI number (readable form)

4 UDI number (machine-readable code)
5 Model number
6 Manufacturer serial number
7 Date of manufacture (calendar week/year)
8 Maximum permissible patient weight/
Maximum permissible rated load
9 Symbols
10 Safety notice
11 Power supply/Power/Duty cycle



The illustration shows an example type plate. The serial number shown does not correspond to that of your device.

1025235_1.2 Subject to technical changes and printing errors.

3. General information

3.1 Definition of terms

Operator

An operator (e.g. therapy centres, rehabilitation centres, physiotherapy centres, specialist dealers, health insurance companies) is any natural or legal person who uses the device or on whose behalf the device is used.

The operator is responsible for providing proper instruction to operating and specialist personnel.

Operators

Operators (e.g. therapists, accompanying persons or assistants) are persons who, due to their training,

experience or instruction, are authorised to operate the device and perform therapeutic work on it. Furthermore, the operator must be able to recognise and avoid potential hazards and assess the physical abilities and state of health of the patient.

Operators must be instructed in the use of the device.

Specialist personnel

Specialist personnel are employees of the operator who, due to their training or instruction, are authorised to transport, adjust and maintain the device. They are also instructed in the regulations for carrying out inspections, cleaning and disinfection.

Patient

In these instructions for use, a patient is defined as a physically disadvantaged person who is placed in an upright standing position.

3.2 Intended use

The Upright and Supine Stander Lasse is designed to assist patients with impaired standing ability in maintaining a physiologically correct standing position for several hours per day while ensuring stable support. The device promotes the positive therapeutic effects of an upright posture and is equipped with a gas pressure spring to assist the patient in standing up more easily..

3.3 Indications and contraindications

The Upright and Supine Stander Lasse can be used for patients with complete or incomplete hemiplegia or hemiparesis, including possible involvement of the trunk muscles, resulting from brain diseases such as stroke or brain tumours. It is also suitable for patients with complete or incomplete paralysis of the arms and legs (tetraplegia or tetraparesis), with or without trunk involvement, caused by brain disorders (e.g. multiple sclerosis, brain injury), spinal cord conditions (e.g. poliomyelitis, spinal cord syndrome due to trauma or tumour), or peripheral nervous system and muscular diseases (e.g. Guillain–Barré syndrome, muscular dystrophies).

The device may also be used in cases of complete or incomplete paralysis of the legs (paraplegia or paresis), with or without trunk involvement, resulting from spinal cord disorders (e.g. traumatic, inflammatory, or tumour-related thoracic or lumbar spinal cord lesions) or diseases of the peripheral nervous system and musculature (e.g. polyneuropathy, muscular dystrophy).

Before using the standing system, a doctor must be consulted to determine whether any contraindications are present. The indication for use should be regularly reviewed by a physician or therapist. As a general rule, any form of pain is considered a contraindication.

Depending on the clinical condition and therapy objectives, the duration of standing must be determined by a doctor or therapist. During use, symptoms such as circulatory problems, pain in the legs or back, increased spasticity, or seizures may occur. The use of the device for patients with scoliosis should only take place after consultation with the attending physician.

Many patients may initially be able to stand only in a slightly bent position and achieve full extension gradually over time. Posture must never be corrected by force or strong pressure. The device is not designed to correct poor posture and is not suitable for growth guidance.

3.4 Responsibility

The operator is responsible for:

- using the device in accordance with the operating instructions and other information contained in this manual.
- carrying out the necessary regular checks and maintenance on the standing device. (For information on maintenance intervals, see section ‘8.1 Maintenance and inspection’)
- adhering to the prescribed maintenance intervals.

The user is responsible for::

- the necessary regular cleaning and care as well as inspection before each use of the standing device (for cleaning instructions, see section 7; for inspection instructions, see section 8).

DANGER Product modifications, repairs and maintenance work must be carried out in accordance with the inspection plan, and extensions to the system may only be carried out by authorised persons!

IMPORTANT *Rehatec® GmbH* only provides a warranty if the product is used under the specified conditions for the intended purposes and only original accessories are used!

IMPORTANT All serious incidents related to the product must be reported to the manufacturer and the competent authority. The competent authority in the United Kingdom is the MHRA!

3. General information

3.5 Intended use

WARNING Read the chapter 'Technical data' for important conditions of use!

DANGER! Intended use includes strict compliance with all instructions in this manual!

DANGER! Before using the device, check the following points with your doctor:

- **Disease-specific use of the device (contraindications).**
- **Maximum duration of use of the product to prevent possible injuries**
- **Suitable strapping for secure positioning of the patient.**
- **Necessary accessories for correct and safe joint/body positioning**
- **Maximum possible adjustment limits of positioning elements**
- **Frequency of use of the device / therapy plan**

The Upright and Supine Stander Lasse is designed for indoor use within an ambient temperature range of 15 °C to 35 °C. Use in wet or humid environments is not permitted. The device must be kept away from heat sources and direct sunlight to avoid the risk of burns.
Failure to observe these instructions may cause significant damage to the device and pose a risk to both the user and the assistant.

The device must not be used indoors:

- with very high humidity of over 70%
- in wet areas (showers, swimming pools, etc.)
- where there is a risk of explosion or where flammable anaesthetic products are present.

The standing device is intended for therapeutic use and not for patient lifting or transport.

All electrical installations must comply with local standards and regulations, which define the required conditions for safe electrical setup and operation. Depending on the model, the device must be connected to a suitable power source. In the event of an emergency or exceptional circumstances (such as a thunderstorm), the device must be disconnected from the mains power by removing the plug.

This product is intended exclusively for use by trained and knowledgeable users who have been instructed by the operator. Areas of application include physiotherapy, rehabilitation, medical therapy, and home use.

Rehatec® GmbH does not guarantee the suitability of this product for any specific therapeutic or diagnostic purpose; the user is responsible for determining its appropriate application. To ensure safe and effective operation, all instructions, precautions, and information contained in this manual must be strictly followed..

3.6 Declaration of conformity

The relevant declaration of conformity can be found in the download area at www.rehatec.com.

The CE mark must be removed if the Rehatec® product is modified, altered or used in combination with unauthorised products from other manufacturers.

The CE mark also becomes invalid if non-Rehatec® original spare parts/accessories are used.

3.7 Service life

You can find a corresponding list of service lives at www.rehatec.com in the download area.

3.8 Service/complaints

is happy to assist you with complaints, enquiries and further information or orders for accessories and retrofittable additional equipment.

All complaints must be made in writing.

Further information on this can be found on our website www.rehatec.com.

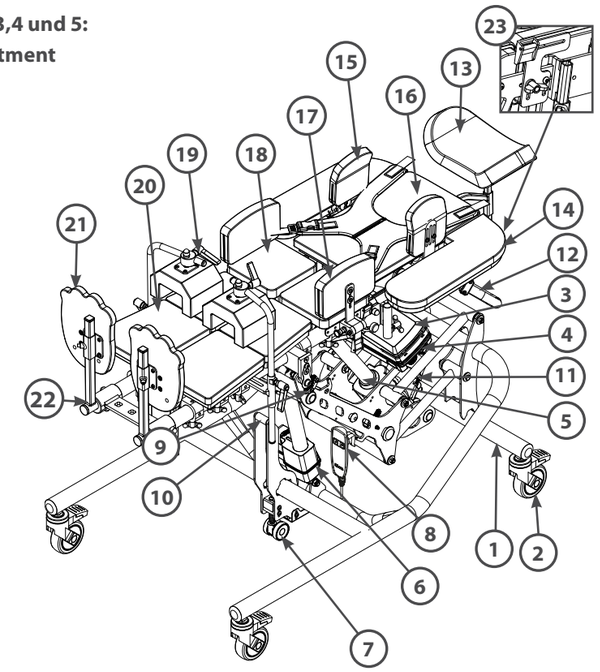
4. Product and delivery overview

4.1 Scope of delivery and basic equipment

The Lasse upright and supine stander is available in different sizes. Technical data on size and permissible weight can be found in the table in the "Technical data" chapter. The Upright and Supine Stander Lasse is generally supplied fully assembled and in its basic setting. To prevent damage during transport, plug-in and unattached parts are packed separately in the box.

Upright and Supine Stander Lasse, Size 3,4 und 5:
Model with electric height and tilt adjustment

1 Underframe with height adjustment
2 Transport castors
3 Control unit with mains cable
4 Lithium-ion battery
5 Tilt drive
6 Height adjustment drive
7 Contact roller with safety switch
8 Manual operation
9 Angle display
10 Protective device
11 Type plate
12 Handle / sliding bow
13 Headrest
14 Armrests
15 Lateral guide pads
16 Back support
17 Pelvic pad
18 basin plate
19 Knee pads
20 Leg guide
21 Foot plates
22 Foot bracket
23 Shoulder strap guides



The illustration may differ from your product due to individual configuration options.

Basic equipment Lasse size 3	Basic equipment Lasse size 4	Basic equipment Lasse size 5
Base frame with 100 mm transport castors, height and tilt adjustment by electric motors	Base frame with 100 mm transport castors, height and tilt adjustment by electric motors	Base frame with 100 mm transport castors, height and tilt adjustment by electric motors
Incl. Li-Ion battery	Incl. Li-Ion battery	Incl. Li-Ion battery
Back support	Back support	Back support
Split bowl plate, with swivelling bowl supports	Split bowl plate, with swivelling bowl supports	Split bowl plate, with swivelling bowl supports
Split leg rests	Split leg rests	Full-length leg rests
Split foot plates	Split foot plates	Continuous base plate
Bodice	Bodice	Bodice
Reset adapter for headrest	Reset adapter for headrest	Reset adapter for headrest
Knee pads	Knee pads	Knee pads
Headrest	Headrest	Headrest

* Mandatory safety option

4.2 Accessories

Accessories are parts or components that are not included in the basic equipment.

of your Liegebär.

We recommend that you order the accessories you require with your initial order.

However, you can also purchase and install all accessory components at a later date.

Your specialist dealer will be happy to provide you with further information.

You can purchase the following optional accessories:

- Wall and furniture protection
- Head restraints (bear/shell shape/adjustable)
- Harness (Pelvi.Loc/lib)
- Side guide pads (swivelling/removable)
- Continuous pelvic plate (for size 3 and 4)
- Arm supports
- Therapy table (standard/with therapy tray)
- Knee supports (standard/anatomical)
- Angle-adjustable/split leg guide (without hinge)
- Abduction adjustment (for size 3 and 4)
- Foot support angle adjustable
- Pointed foot correction
- Stop (adjusting ring) Knee depth adjustment
- Foot shells with foot straps
- Sliding arch

Further information and data can be found at: **www.rehatec.com**
Or simply request them by e-mail, fax or post.

4.3 Inspection of the delivery

Please check that your delivery is complete and undamaged. In the event of damage or incomplete delivery, please contact our customer service department:
Telephone number: +49 (0) 6228-9136-0

When reordering accessories or spare parts, you should always quote the serial number.

The serial number can be found on the rating plate. (See chapter "Symbols and signs on the product")

DANGER! Choking hazard! Any packaging film must be kept away from children at all times!

DANGER! In the event of defects, damage or modifications, the appliance must not be used and must be taken out of service immediately!

WARNING Any combinations of the appliance with third-party products are generally not permitted and can be dangerous. The manufacturer accepts no liability for damage and complications resulting from such combinations!

5. Operation

DANGER! The electrical components must not be operated by small children or untrained personnel / users / operators!

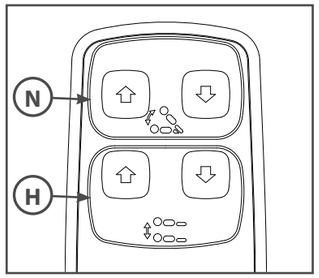
DANGER! The control unit may only be connected to the specified voltage. See chapter "Technical data".

IMPORTANT The control unit, manual control and drives are maintenance-free and designed for the entire service life of the appliance. Parts such as the battery and the fuse switch may need to be replaced due to reduced capacity/wear.

5.1 Manual operation

IMPORTANT Do not use any sharp objects to clean the operate the keypad!

The motors of the appliance are controlled via the hand control. The upper row of buttons **[N]** is responsible for the tilt adjustment. The lower row of buttons **[H]** is used for height adjustment. Both blocks are graphically labelled with an outer contour and a symbol corresponding to their function.



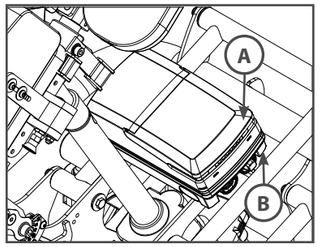
The motors are only activated when the button is pressed and held. Release the pressed button as soon as you have reached the desired position.

Avoid rapid, alternating switching from one direction of travel to the opposite direction without stopping the motor.

5.2 Control unit

The control unit **[A]** evaluates and informs about the status of the system and the control unit according to the programmed parameters.

We recommend always positioning the standing device (even devices with a rechargeable battery) near a socket with a mains supply (230 V, 50/60 Hz).



Once the power supply has been established, the appliance switches on with a delay. Wait at least 15 seconds before use and check the status of the control unit.

See chapter "LED indication" and "Acoustic signals" for a detailed description of the status indication.

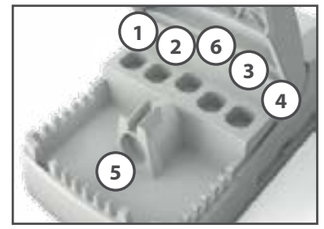
For configuration with battery. As an alternative to the mains cable connection, the motors can be operated with a lithium-ion battery **[B]**. As long as the control unit is supplied with mains voltage, the automatic charging circuit (charger is integrated in the battery) ensures permanent operational readiness. The connected battery is automatically charged as soon as the mains plug of the control unit is plugged in.

DANGER! The appliance may only be connected to the mains power supply if the mains voltage of the socket matches the specification on the rating plate or in the "TECHNICAL DATA" section!

DANGER! Opening the housing of electronic components is prohibited! All electrical components are closed units that do not require internal maintenance!

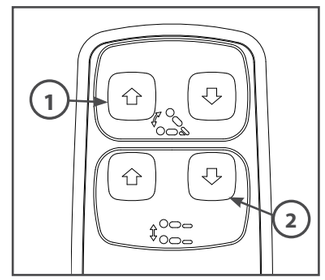
IMPORTANT When connecting the drive or hand control cables, ensure that they are connected correctly. All free sockets must be fitted with dummy plugs!

Socket	Connection
1	Tilt drive
2	Blanking plug
3	Height adjustment drive
4	Blanking plug
5	Distribution box (manual operation + safety switch)
6	Battery



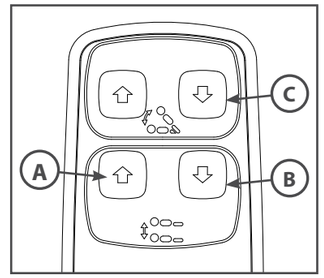
5.3 Acoustic signals

The buzzer emits a continuous warning when a button on the hand control is pressed and the battery capacity is low. Connect the device to the mains immediately!



You will hear a single short warning when adjusting the angle after pressing the "Arrow up" button **[1]** or when adjusting the height after pressing the "Arrow down" button **[2]** if the safety switch has been activated due to collision of the moving parts. At the same time as the signal, a short reverse movement (up to 30 mm in the opposite direction) is performed by the drive.

You will hear several short warning tones when the button is pressed if the positions of the drives cannot be determined by the control unit or if the drives have been connected incorrectly.



To re-initiate the motors, both drives must be fully retracted to the end. To do this, first press both buttons **[A]** and **[B]** on the hand control simultaneously (approx. 5 seconds) and then alternately press buttons **[B]** and **[C]** until both motors are fully retracted.

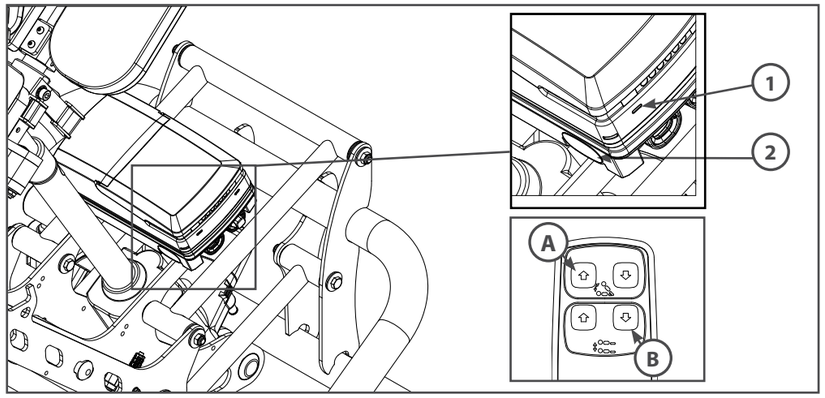
If the problem cannot be solved in this way, please contact your specialist dealer.

5. Operation

5.4 LED - Indication

The control unit is equipped with a green LED for the mains indicator. If the control unit is connected to the mains, the LED lights up green. If it is only connected via the battery, the LED is off.

Other possible LED signals are listed in the following table.



LED colour	Operating display
LED-Anzeige #1 (Steuerung) - angeschlossen ans Stromnetz	
Green	***Connected to the mains, but not activated via manual control.*** The system is functioning properly and is ready for normal operation.
Yellow	***Connected to the mains, but not activated via manual control.*** The system is defective and should not be operated.
Yellow	***Connected to the mains, activated via manual control.*** 1. The system is functioning properly. 2. A safety switch has been activated. When button **[A]** is pressed, a short alarm signal sounds.
No LED light	***Not connected to the mains***
LED indicator #1 (control) – not connected to the mains, but with battery backup	
Orange	***Via battery, activated via manual control.*** The system is functioning properly.
No LED light	***Connected to the mains, but not activated via manual control (standby mode) or the control unit is not connected to the mains.***
LED indicator #2 (battery)	
Solid yellow	Charging
No LED light	Fully charged
Flashing yellow *	Error during charging

(*) - When the battery is completely discharged, charging starts at a very low speed to protect the battery from damage. In this case, the yellow LED flashes.

If the battery does not stop flashing within 12 hours and does not switch to normal charging mode (LED lights up yellow continuously), the battery is defective and must be disposed of according to the instructions.

5.5 Duty cycle

The drive may be used for a maximum of 2 minutes without interruption, after which an 18-minute break must be taken.

The tilt drive must not be operated for more than 5 switching cycles per minute under nominal load, otherwise a malfunction may occur.

5.6 Lithium-ion battery

⚠ **DANGER! The battery cells can be damaged in the event of a short circuit or mechanical damage.**

excessive heat!

⚠ **DANGER! Defective or damaged batteries are not authorised for transport and must be disposed of in accordance with local regulations.**

⚠ **DANGER! Note the switch-on time: 2 minutes of continuous operation, followed by an 18-minute break!**

ⓘ **IMPORTANT Lithium batteries are dangerous goods and therefore require special transport packaging. All national and international shipments containing lithium batteries are subject to the transport regulations for dangerous goods according to ADR, RID, ADN, IMDG, ICAO / IATA regulations. If you ship**

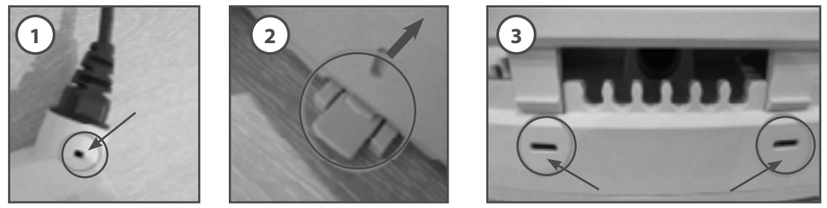
lithium-ion batteries individually, use a label with UN3480. If you are shipping lithium-ion batteries contained in or packed with equipment, use a label with UN3481

ⓘ **IMPORTANT Read the chapters "LED - Indication" and "Acoustic signals" for detailed description of indication.**

Follow the steps and instructions below to install (remove / replace) the battery.

1. Disconnect the power cable from the mains. Pull the power cable out of the control unit by inserting a screwdriver into the labelled safety clip (Fig. 1).

2. Detach the control unit from the appliance by pressing on the tab on the 2 mounting clips and slide the control unit in the direction of the arrow (Fig. 2). Open the cover of the control unit by releasing the locking clips with the screwdriver (Fig. 3) and disconnect the motor and control cables.



5. Operation

IMPORTANT When disconnecting the drive cables or hand control cables, please ensure that the connections are correct.

3.Plug the supplied battery connection cable into one of the two battery connections (Fig. 4) . Make sure that it is fully connected.

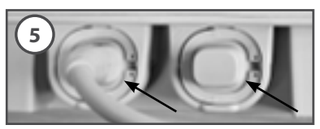
4.Insert the supplied dummy plug into the second battery connection (Fig. 4).

5. Secure the battery connection cable and the dummy plug with the retaining rings (Fig. 5).

Use a thin screwdriver to remove the retaining ring (Fig. 5). Insert the screwdriver into the slot on the connection cable (Fig. 6). Press lightly to push the retaining ring upwards. After removing the retaining ring, the connection cable can be pulled out.

6. First connect the battery **[A]** and then the control unit **[B]** to the device and make sure that the locking clips are fully engaged (Fig. 7). If the clips are not fully engaged, the tab (shown in Fig. 2) will protrude.

7. Plug the battery connection cable (Fig. 8) into the battery connection and the other component in the control unit. Ensure that everything is fully connected and that all free sockets are fitted with dummy plugs (Fig. 9).



IMPORTANT When connecting the drive cables or hand control cables, please ensure that the connections are correct. All free sockets must be fitted with dummy plugs!

8. Close the cover of the control unit and ensure that the locking clips engage fully.

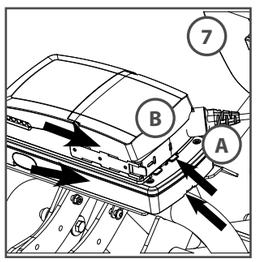
9. Reconnect the mains cable to the control unit and ensure that the safety clip snaps into place (Fig. 1).

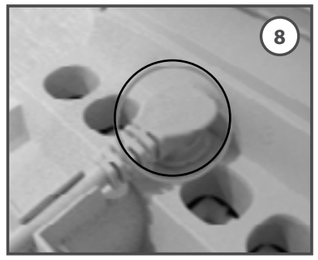
The process is identical for removing and replacing the battery

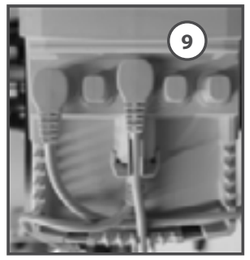
IMPORTANT Fully charge the battery before using it for the first time!

The first charge can take up to 12 hours. Under normal use, after an alarm or when the battery capacity is low, the battery charging time is approx. 10 hours**.**

The connected battery is automatically charged as soon as the mains plug of the control unit is plugged in. The drives can be charged and adjusted at the same time. In the event of a power failure, the charged battery automatically powers the control unit.







Recharging during storage: The battery must be recharged for the first time no later than 12 months after the date of manufacture stated on the label. Thereafter, the battery must be recharged at least every 12 months.

IMPORTANT Read chapter "LED - Indication" and "Acoustic signals" for detailed description of indication.

Deep discharge protection: The battery has deep discharge protection to protect the service life of the battery. The deep discharge protection is activated when the battery is discharged.

Recharge the battery before storage if it has been fully discharged.

CAUTION Charge the battery to exit deep discharge mode. Ensure that the battery is sufficiently charged before use! If these attempts are unsuccessful, your battery must be replaced!

DANGER! If the battery becomes hot, disconnect the cable connection and remove the battery from the room. If it is not possible to remove the battery, evacuate the room.

IMPORTANT If the battery is completely discharged, the charging process is started at a very low speed to protect the battery from defects. In this case, the yellow LED flashes.

If the battery does not stop flashing within 12 hours and does not switch to the normal charging process (LED lights up yellow continuously), the battery is defective and must be disposed of in accordance with the instructions.

IMPORTANT In the event of overheating, the device activates thermal protection. There is no output power until the temperature returns to the normal operating range. Excessive use at high temperatures or exceeding the duty cycle can lead to overheating!

IMPORTANT Dispose of the batteries in accordance with local regulations.

IMPORTANT If the appliance is more than 4 years old, it is recommended that the battery is replaced with a new one when it is replaced.

5. Operation

5.7 Anti-Tip system

DANGER! Despite the anti-tilt system, the constant presence of an attendant is required when adjusting the motors!

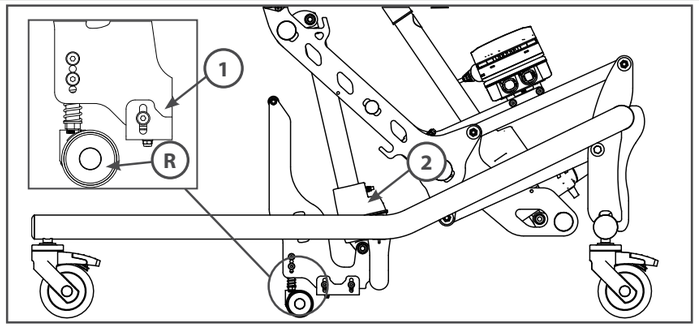
The device's anti-tip system consists of two safety switches and protects the device against tipping over and possible heavy collisions with the floor or fixed objects.

Safety switch [1] is located at the bottom of the frame. It is always connected to the floor via a spring-loaded contact roller (R) and reacts to any lifting of the frame.

Safety switch [2] is built into the height adjustment drive. It serves to protect the motor from overload in the event of a collision, as well as to prevent the frame from tipping over.

DANGER! The appliance may only be used if both fuse switches are in perfect working order! If they are defective or out of order, the appliance must not be used!

5.8 Setting safety switches with contact rollers



It may be necessary to readjust the contact roller during commissioning or after transport. Carry out the following steps to adjust the contact roller correctly.

WARNING Be aware of the risk of pinching and crushing during all adjustment work. The adjustments should be carried out by two people to prevent possible injuries!

DANGER! Repair and adjustment work must be carried out without the user in the appliance!

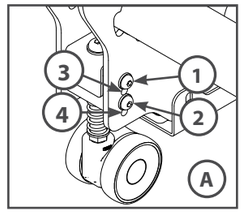
WARNING The appliance may only be adjusted by the operator/ service provider!

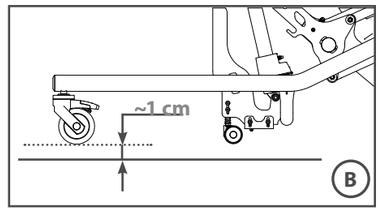
There are 2 positions for the correct installation of the contact roller:

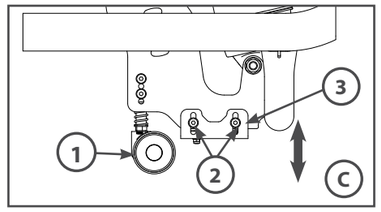
Position #1 **-** without wall and furniture protection (shown in picture A).
The contact roller assembly must be attached through holes #1 and #2.
Position #2 - with wall and furniture protection. The contact roller assembly must be fastened through holes #3 and #4.

Place the device in a horizontal position (the device must remain connected to the mains or with a charged battery).

1. Activate all parking brakes and lift the front castors (Fig. B) about 1 cm above the floor. Check that the contact roller [1] on the floor is under pressure (Fig. C).







2. Loosen 4 screws [2] on both sides and move the safety switch bracket [3] downwards as far as possible. In this position, the button of the safety switch [5] must not be in contact with the lever [4].
3. Gradually start to move the bracket [3] upwards. Once the lever [4] has made contact with the button [5] and the safety switch has been actuated, you will hear a slight click and the yellow LED on the control unit will light up. You have reached the required position.
4. Fix the bracket [3] in this position and tighten the screws [2]. The yellow LED on the control unit should light up continuously.
5. Remove the distance under the front wheels. The yellow LED on the control unit should go out.
6. To confirm that the anti-tip system is ready for operation, follow steps 6 to 12 in the "Commissioning" chapter.

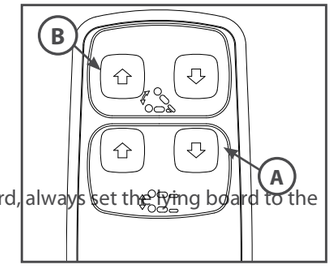
DANGER! The appliance may only be used if both fuse free function of both fuse switches! If they are defective or out of order, the appliance must not be used!

5.9 Device and patient transport

ATTENTION: Risk of accident! Before transport, the patient must be fitted with straps and knee supports to prevent accidental falling out!

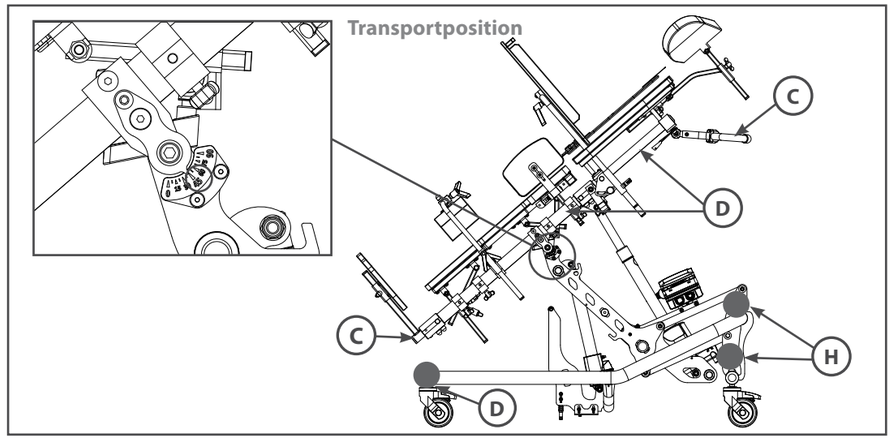
For safe and convenient device and patient transport, set the horizontal and lowest position of the lying board or a transport position. For this:

- Press button [A] on the hand control to set the minimum transport height.
- Press button [B] to tilt the backrest board. A comfortable and safe tilt angle for transport is possible at approx. 45 degrees. For more information on tilting, see chapter "Adjusting the device, tilt adjustment".
- Use the holding and sliding points [C] and [D] for product transfer.



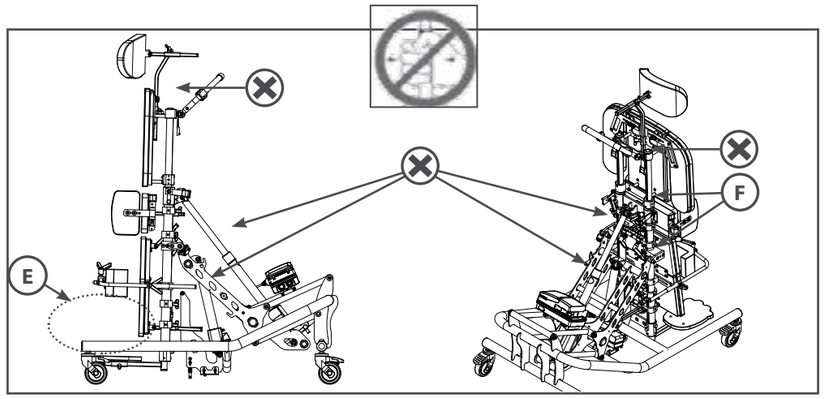
For patient transport in the standing position from the supine lying board, always set the lying board to the lowest possible position. To do this, follow these steps:

5. Operation



- Set the minimum possible height of the backrest board. Press the [A] button to set the minimum minimum transport height. Be aware of possible collisions with the floor or solid surfaces. See chapter "Height adjustment" (all brakes must be activated).
- Release the parking brakes and use the holding or sliding points [F] for product transfer.

ATTENTION: Danger of tipping over! When pushing in the standing position, the points mentioned must always be used to ensure a safe transfer. It is not permitted to push the device above the hips or on the back!



ATTENTION: It is not permitted to pull the device by the tilt drive or use any other means to push it. lateral forces!

For safe and convenient transport of the appliance:

- Adjust the lying board to the lowest and horizontal position.
- Take hold of the appliance at the front and rear holding points (H) on the right and left and lift it with two people at the same time.

CAUTION The standing appliance is very heavy and may only be used by at least 2 Personen angehoben werden!

5.10 Commissioning

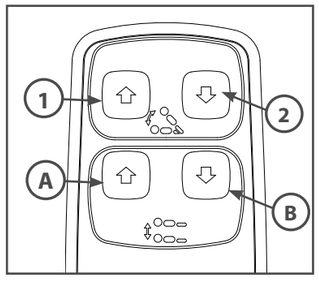
WARNING Ensure that no one can injure themselves while using the motor.

WARNING Always keep an eye on the motor and all adjustable parts.

DANGER In an emergancy, shut down the machine by pulling the mains plug. Therefore, the mains plug must be accessible at all times during operation so that it can be quickly pulled out of the socket in an emergency. Pull the charger plug out of the control socket.

Firstly, please carry out a visual inspection of the appliance, which should confirm the following:

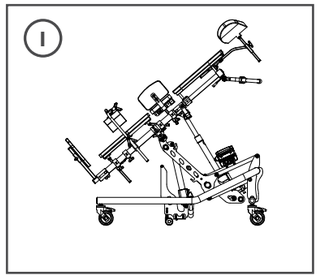
1. All cables are plugged in to the end.
2. Cables and housings of electronic components are without visible defects.
3. All screw connections have the necessary mating parts and are firmly connected.
4. Frame components and transport rollers are without cracks and not deformed.
5. All clamping elements of positioning elements (e.g. footrest) are available and functional.
6. Contact roller is on the floor and can move freely with the device.
7. All contact surfaces are dry and uncontaminated
8. Body / harness are without defects. The plug-in connections (folding buckles) and the zip fastener function securely.

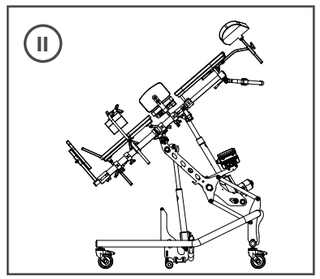


DANGER! If defects are found during the visual inspection, the appliance must not be used until they have been rectified!

In the next step, the electrical system of the appliance must be checked for correct functionality. Please follow all the listed checks (read the description of the operation of the appliance and its components in the corresponding chapters of the operating instructions):

1. Connect the device to the socket, the LED display on the control unit should not show any errors and should light up green.
2. Set the device to the minimum height and in a horizontal position (buttons [2] and [B]), the motors should reach the stops, no jerking, creaking, vibration or external noise should be heard or seen! Pay attention to the acoustic and LED signals of the control unit.
3. Increase the tilt angle (buttons [1]) without changing the height. The drive must stop automatically at an inclination of approx. 45 degrees and further inclination is only possible in reverse (buttons [2]) (Fig. I).
4. Set the device to the highest possible position (buttons [A]); the motorised rod must be extended as far as it will go (Fig. II). The option to increase the inclination of the appliance should now be enabled. In this position, the angle adjustment (buttons [1] and [2]) must be possible in all directions (Fig. III).
5. Slightly reduce the height of the appliance (button [B]). In this position, angle adjustment must only be possible in the lowering direction (buttons [2]).





5. Operation

6.Lower the device (buttons [B]) as far as possible until the foot supports are in contact with the floor (Fig. IV). To simulate a collision with the ground, press and hold button [B] to further reduce the height. You should hear a short, single alarm signal. The device must then briefly change altitude in the opposite direction by itself and stop.

If the safety switch does not work during this test, its correct setting must be checked. See chapter "Contact roller with safety switch"

DANGER! If faults are detected in the system during the function test, the appliance must not be used until they have been rectified!

7. Activate all parking brakes and lift the front castors (Fig. V) about 1 cm off the ground (you can use a piece of plywood for this) to check the function of the safety switch. In this position, pressing and holding buttons [1] or [A] should cause a signal to sound and the corresponding drive to reverse.

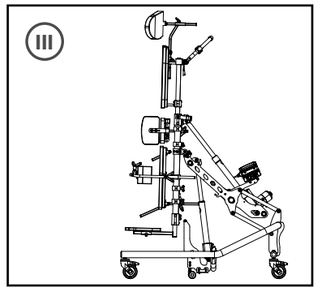
If the safety switch does not work during this test, its correct setting must be checked. See chapter "Contact roller with safety switch"

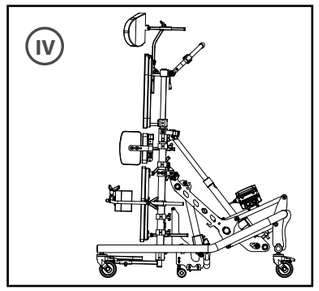
DANGER! If faults are detected in the system during the function test, the appliance must not be used until they have been rectified!

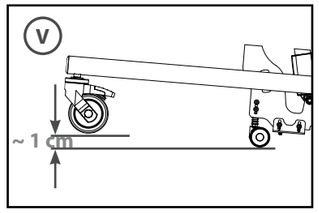
WARNING Before using the device for the first time, the battery must be fully charged via at least charged for at least 24 hours. The battery must be connected to the control unit!

Before the patient can be positioned in the Lasse, the device is adjusted to the patient's needs.

Detailed descriptions of the individual adjustment options to suit the patient's needs are provided in the following chapter.







6. Operation/settings of the device and accessories

Before the Upright and Supine Stander Lasse can be adjusted to the user's needs and the user can be placed in the reclining bear, the following preparations must be made:

DANGER! The appliance may only be adjusted by the operator/service provider!

WARNING Be aware of the risk of pinching and crushing during all adjustment work. The settings should be made by two people to prevent possible injuries!

WARNING The appliance must be placed on a non-slip, level, stable and horizontal surface and the transport castors must be locked before adjusting the appliance.

DANGER! Check the following points with your doctor before using the device:
- **Disease-specific use of the device (contraindications).**
- **How long the patient may remain in the device to prevent possible injuries**
- **A suitable harness to securely fasten the patient.**
- **Necessary accessories for correct and safe body positioning**
- **Maximum possible adjustment limits of the device's positioning elements.**
- **Frequency of use of the device / therapy plan**

DANGER! Some settings on the appliance can only be made without a patient or in a horizontal position.

DANGER! Some settings on the device require additional space for safe device handling. See "Minimum dimensions of the patient environment" for the required dimensions.

6.1 Transport rollers

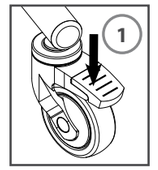
The four castors are equipped with a parking brake with directional lock.

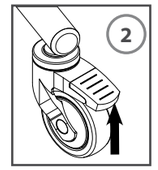
WARNING The reclining bear must be placed on a firm, level and horizontal surface.

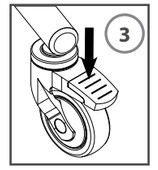
WARNING Only wear sturdy shoes when using the appliance!

WARNING To prevent unintentional rolling away, all four transport castors should be locked

Blocking the rollers: Press the locking device on the front edge downwards (Fig. 1).
Releasing the rollers: Press the locking device upwards with the tip of your foot (Fig. 2) or downwards as shown in Fig. 3.







6. Operation/settings of the device and accessories

6.2 Height adjustment

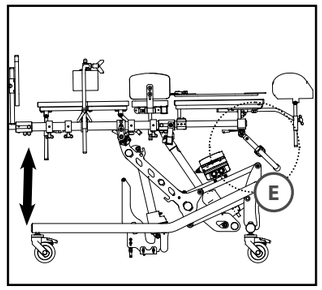
WARNING Height adjustment with the patient in the device is only permitted if all transport castors are locked!

DANGER! The base frame has many moving parts! Take care not to accidentally trap hands and feet between the moving parts!

DANGER! Be aware of and avoid possible collisions between the moving and fixed parts or the floor! Risk of tipping over and injury!

WARNING The appliance must be placed on a firm, level and horizontal surface.

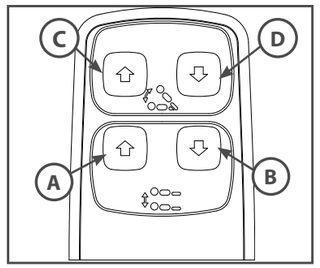
DANGER! Please note that the centre of gravity of the appliance will shift if the height is changed! Use the "Transport position" to move the device with or without a patient. Follow the instructions in the chapter "Transporting the device and patient". Risk of tipping over and injury!



The backrest board can be adjusted from approx. 80 cm to 108 cm using the height adjustment drive.

To raise the lying surface, press button **[A]** on the hand control. The height adjustment drive will stop automatically when the highest point is reached.

To lower, press the* [B] *button. The height adjustment drive will stop automatically when the lowest position is reached. Release the respective button as soon as you have reached the desired height.



IMPORTANT If the lying board moves upwards instead of downwards when button [B] is pressed, check for possible collisions with fixed parts. See chapter "Acoustic signals" and "LED indication".

IMPORTANT Simultaneous height and tilt adjustment is not possible.

6.3 Tilt adjustment

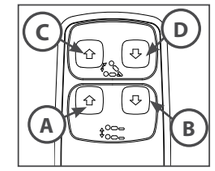
DANGER! Please note that the centre of gravity of the device will shift if the height is changed! Use the "Transport position" to move the device with or without the patient. Follow the instructions in the chapter "Transporting the device and patient". Risk of tipping over and injury!

DANGER! A tilt setting of more than 45° with the patient in the device is only permitted if the parking brakes on all transport castors are activated!

DANGER! The patient must always be secured with knee supports, appropriate straps, footboards, footrests and any necessary side supports before the device is raised - otherwise there is a risk of injury

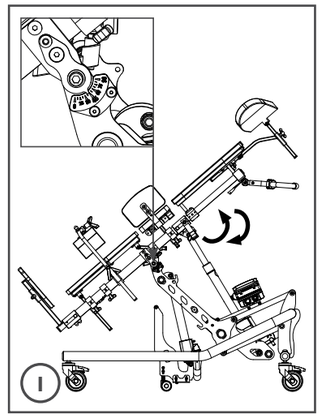
DANGER! The base frame has many moving parts! Take care not to accidentally trap hands and feet between the moving parts!

DANGER! To avoid circulatory problems, raise and lower the patient slowly and gradually! Use the protractor to check the angle of inclination.



For safety reasons, the tilt adjustment with optional electric height adjustment is divided into 3 positions (levels). The tilt is always linked to the set height of the mattress base. The control system does not allow any other options for tilt adjustment than those described below.

To tilt the lying surface from 0° to approx. 45° (Fig. I), press button **[C]** on the hand control. Press button **[D]** to return the lying surface to the horizontal position.

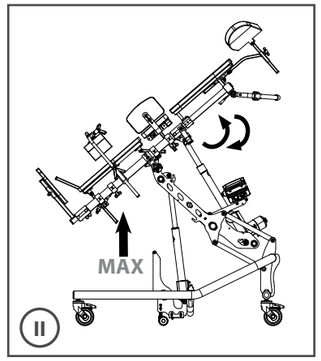


The inclination adjustment is possible in both directions, the height of the lying board can be as desired.

Inclination of more than 45° to 90° is only possible in the highest position of the lying board (Fig. II).

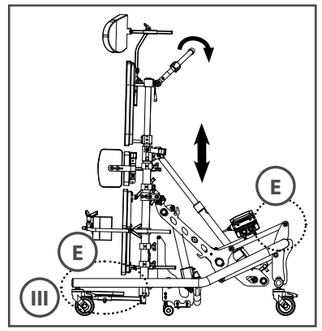
First press button **[A]** on the hand control to set the reclining board to the highest position. In the highest position, the tilt drive is still enabled. Then press button **[C]** again to tilt to 90 degrees or button **[D]** to bring the reclining board into the horizontal position. The tilt adjustment is possible in both directions without limitation.

If the board is not in the highest position, only the angle of inclination can be reduced to 0° (Fig. III)..



DANGER! Be aware of and avoid possible collisions between the moving and fixed parts or the floor in the areas (E)! If the foot brackets collide with the floor during the tilt adjustment, there is a risk of the appliance tipping over! Risk of injury!

IMPORTANT If the lying board moves in the opposite direction instead of the desired direction when button [B] or button [C] is pressed and you hear a single beep, this means that the safety switch has been activated. Check for a possible collision with fixed parts or the floor. See chapter "Audible signals" and "LED indications".



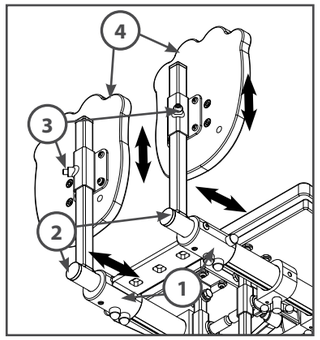
6. Operation/settings of the device and accessories

6.4 Split footplate

The Lasse Upright and Supine Stander includes two foot plates that can be easily adjusted to the position of the feet. The foot length and position in the ankle joint as well as the therapy goal can be taken into account thanks to the various adjustment options (e.g. three-dimensionally adjustable foot plates, if available in the accessories).

DANGER! Only carry out the adjustment with the lying surface in the horizontal position!

CAUTION! Be aware of the risk of pinching and crushing!



For height adjustment:

- Loosen the grub screw [1] anti-clockwise.
- Adjust the height of the foot brackets [2].
- Tighten the grub screw [1] clockwise again.

DANGER! Tighten all screws [1] again after each adjustment!

DANGER! The maximum adjustment is reached when the tube ends are flush with the guides!

For depth adjustment:

- Loosen the grub screw [3] anti-clockwise.
- Adjust the depth of the foot plate [4].
- Tighten the grub screw [3] clockwise again

DANGER! Tighten all screws [3] again after each adjustment!

6.5 Equinus foot correction (optional)

The equinus foot correction (optional for your device) is a 3-plane adjustment that allows adjustment to the foot posture.

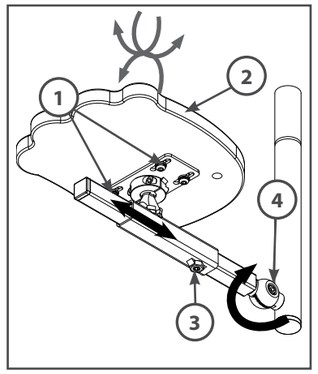
DANGER! Adjustment only in the horizontal position of the horizontal position!

For 3-level adjustment:

- Loosen the screws [1] anti-clockwise.
- Adjust the foot plate [2] to the user's foot.
- Loosen screws [4] if a greater inclination of the foot plate [2] is required.
- Tighten screws [1] and [4] clockwise again.

For depth adjustment:

- Loosen the grub screw [3] anti-clockwise.
- Adjust the depth of the foot plate [2].
- Tighten the grub screw [3] clockwise again



DANGER! Tighten all screws (1, 3, 4) again after each adjustment!

WARNING If available, the patient should only stand in the device when wearing appropriate footwear.

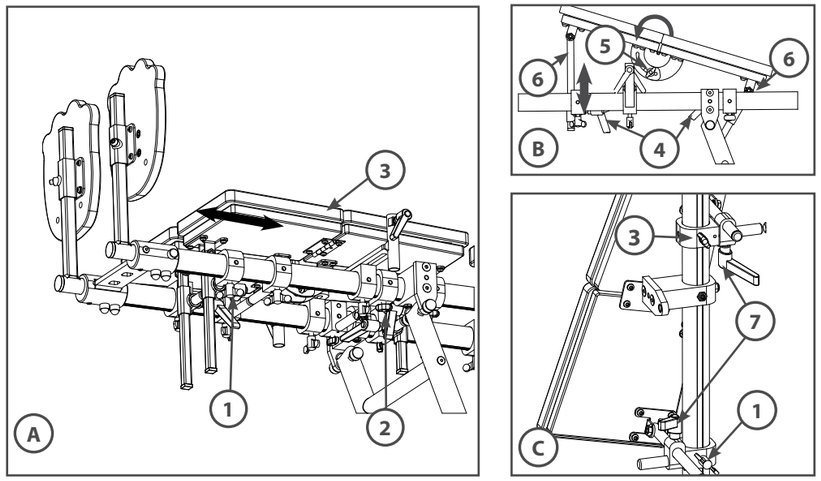
6.6 Leg rests

The height and overall angle of the leg rests can be adjusted.

DANGER! Only make all adjustments with the lying surface in a horizontal position!

CAUTION! Be aware of the risk of pinching and crushing!

You can order additional elements of leg rests from your dealer or service provider as an appliance modification.



For height adjustment (image A):

- Loosen the wing screws [1] and [2] anti-clockwise.
- Adjust the leg rest [3] to the desired height.
- Tighten the wing screw [1] and mini-wings [2] clockwise again.

For angle adjustment (image B):

- Loosen the clamping levers [4] anti-clockwise.
- Adjust the leg rest to the desired overall angle using the tubes [6].
- Tighten the clamping levers [4] again in a clockwise direction.

You can also loosen the wing screws [1] and [2] to change the width between the bolts if the tubes [5] collide with the frame.

6. Operation/settings of the device and accessories

For knee angle adjustment (optional):

- Loosen the wing screws [5] anti-clockwise.
- Loosen the clamping levers [4] anti-clockwise.
- Adjust the leg rest to the desired overall angle using the tubes [6].
- Tighten the clamping levers [4] and wing screw [5] again clockwise.

The abduction adjustment (optional): allows the leg supports to be adjusted to the lateral angle of the legs.

For abduction adjustment (image C):

- Loosen the clamping levers [7] anti-clockwise until all hinges can move freely. Adjust to the required angle.
- Tighten the clamping lever [7] again clockwise so that all hinges grip the tubes firmly.

You can also loosen the wing screws [1] and [2] to change the width between the bolts if the tubes [5] collide with the frame.

DANGER! Tighten all clamping elements again after each adjustment!

Split leg rests (optional)

The height and overall angle of the split leg rests can be adjusted independently of each other. There are no connecting elements between the two wooden panels.

DANGER! Only make all adjustments with the lying surface in a horizontal position!

CAUTION! Be aware of the risk of pinching and crushing!

For height adjustment (image A):

- Loosen the wing screws [1] anti-clockwise.
- Adjust the leg rest [2] to the desired height.
- Tighten the wing screw [1] clockwise again.

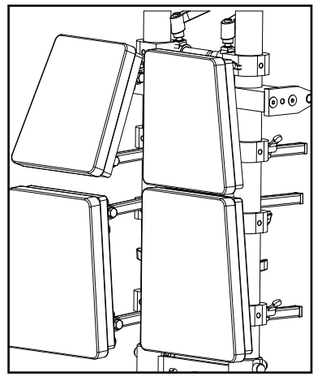
Repeat the procedure for the leg rest [3].

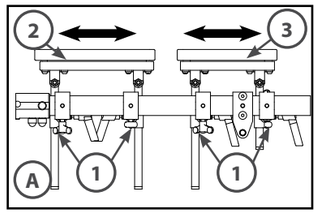
For angle adjustment and knee angle adjustment (image B):

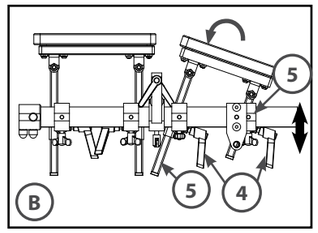
- Loosen the clamping levers [4] anti-clockwise.
- Adjust the leg rest to the desired overall angle using the tubes [5].
- Tighten the clamping levers [4] again clockwise.

If necessary, repeat the procedure for the leg rest [2].

You can also loosen the wing screw [1] to change the width between the bolts if the tubes [5] collide with the frame.







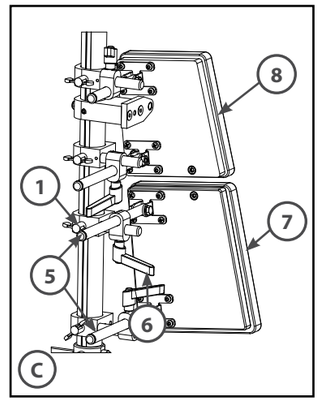
Split leg rests with abduction adjustment (optional)

They also allow the leg rests to be adjusted to the side angle of the legs.

For abduction adjustment (optional) (Fig. C):

- Loosen the clamping levers [6] anti-clockwise until all hinges are free to move.
- Adjust the desired angle on the leg rest [7].
- Tighten the clamping lever [6] clockwise again so that all hinges are secure.

Repeat the procedure for the leg rest [8].



You can also loosen the wing screw [1] to change the width between the bolts if the tubes [5] collide with the frame.

DANGER! Tighten all clamping elements again after each adjustment!

Full-length leg rests Lasse size 5

DANGER! Knee supports are attached to continuous leg supports! Only make all adjustments with the lying surface in a horizontal position!

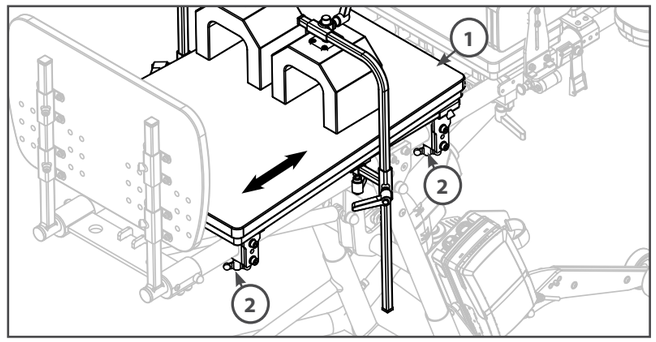
CAUTION! Be aware of the risk of pinching and crushing!

The full-length leg rests [1] can only be adjusted in height.

For height adjustment (image A):

- Loosen the wing screws [2] anti-clockwise from both sides.
- Adjust the leg rest [1] to the desired height.
- Tighten the wing screw [1] clockwise again.

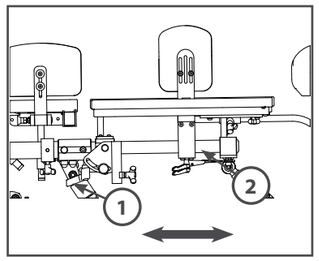
DANGER! Tighten all clamping elements again after each adjustment!



6. Operation/settings of the device and accessories

6.7 Back support

The height of the backrest can be adjusted to the height of the user's upper body.



DANGER! Only carry out all adjustments without a patient or with the lying surface in a horizontal position!

CAUTION! Be aware of the risk of pinching and crushing!

For height adjustment:

- Loosen the clamping levers [1] anti-clockwise.
- Adjust the backrest support [2] to the desired height.
- Tighten the clamping levers [1] again by turning them clockwise..

DANGER! Tighten all clamping elements again after each adjustment!

6.8 Pelvic pads and pelvic plate

The pelvic supports or pelvic plate (optional on your device) guide the position of the pelvic area. They can be adjusted in angle, depth, width and height.

DANGER! Only carry out all adjustments without the patient or with the lying board in a horizontal position!

WARNING Be aware of the risk of entrapment and crushing!

DANGER! Tighten all clamping elements after each adjustment!

For height adjustment:

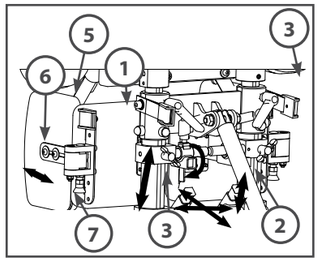
- Open the wing screws [2] anti-clockwise.
- Adjust the height of the basin plate/basin supports [1].
- Tighten the wing screws [1] clockwise again.

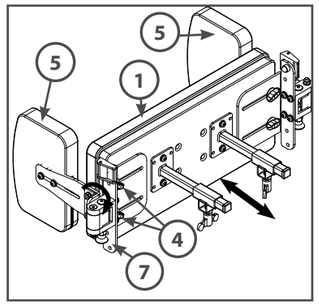
For angle and depth adjustment:

- Open the clamping levers [3] anti-clockwise.
- Set the desired height and angle of the bowl plate/pelvic supports [1].
- Tighten the clamping levers [3] again clockwise.

For width adjustment:

- Open the wing screws [4] / clamping levers [3] anti-clockwise.
- Set the desired basin width of the side supports [5].
- Tighten the clamping levers [3] / wing screws [4] again clockwise.





For depth adjustment of the side supports:

- Open the screws [6] anti-clockwise.
- Set the required depth of the side supports [5].
- Tighten the screws [6] clockwise again.

For swivelling (only for the swivelling side guide pads)

- Pull the locking bolt [7] down and hold it.
- Swivel the side guide support outwards.
- If necessary, swivel the side guide support back again until the locking bolt [7] engages automatically.

6.9 Knee pads

The knee supports control the position of the knees. The height, angle, width and inclination can be customised.

DANGER! All adjustments must be carried out with the lying board in a horizontal position or without the patient! The patient must be securely fixed in an inclined position!

DANGER! Using the appliance without a permanently set knee supports is not permitted!

CAUTION! Be aware of the risk of pinching and crushing!

CAUTION! The maximum adjustment is reached when the ends of the adjustment tubes are flush with the guides!

The settings apply to both standard and anatomical knee supports.

Follow the steps below to adjust the position of the knee pad holder [7].

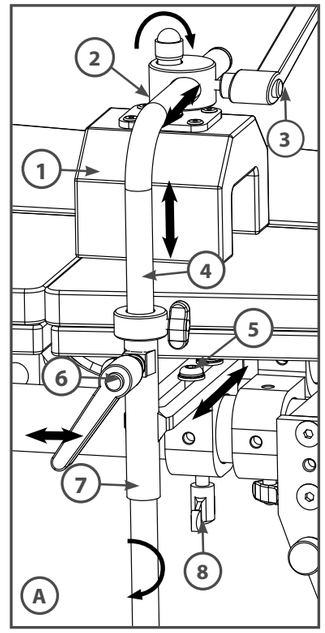
For height adjustment:

- Loosen the wing screw [8] anti-clockwise.
- Set the desired height of the knee pad holder [7].
- Tighten the wing screw [8] clockwise again.

For width adjustment:

- Loosen the screw [5] anti-clockwise.
- Set the desired width of the knee pad holder [7].
- Tighten the screws [5] clockwise again.

Follow the steps below to adjust the position of the knee support [1].



6. Operation/settings of the device and accessories

For height adjustment :

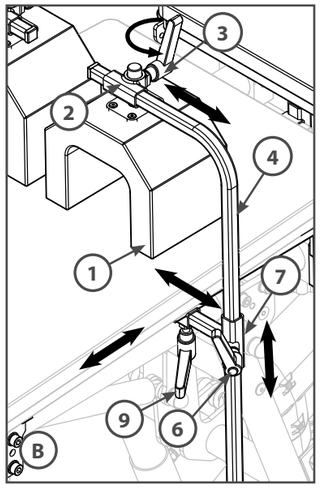
- Loosen the clamping lever [6] anti-clockwise.
- Set the desired position of the knee supports [1] using the tube [5].
- Tighten the clamping lever [6] again clockwise.

For angle/width adjustment:

- Loosen the clamping lever [3] anti-clockwise.
- Adjust the desired position of the knee pad holder [2] and knee pad [1] to the knee.
- Tighten the clamping lever [3] again by turning it clockwise.

(*) – See image [B], For configurations with continuous leg supports.

DANGER! Tighten all clamping elements again after each adjustment!



6.10 Lateral support pads (optional)

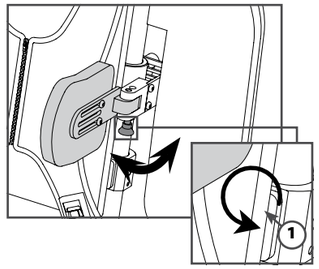
The lateral support pads guide the position of the rib cage.

WARNING Be aware of the risk of crushing and trapping!

WARNING Carry out all adjustments to the lying surface in a horizontal position!

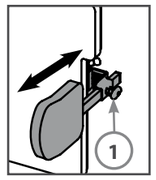
Can be swivelled downwards (only with swivelling side guide rails)

- Pull the locking bolt [1] down and hold it.
- Swivel the side guide support outwards.
- If necessary, swivel the side guide support back again until the locking bolt [1] engages automatically.



Removing, attaching and depth adjustment (Only for the removable side guide pads):

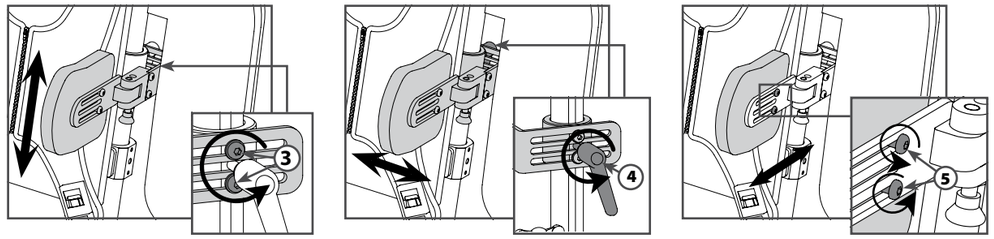
- Loosen the wing screw [1] anti-clockwise.
- Remove/attach the side guide pad or place it in the desired position.
- Tighten the wing screw [1] again in a clockwise direction



Width adjustment (all variants):

- Beide Schrauben [3] gegen den Uhrzeigersinn lösen.
- Seitenführungspelotte in der Breite einstellen.
- Beide Schrauben [3] im Uhrzeigersinn wieder fest anziehen.

For width adjustment, the armrest must also be must also be adjusted.



Height adjustment (all variants):

- Loosen the clamping levers [4] anti-clockwise.
- Remove/attach the side guide pad.
- Tighten the clamping levers [4] again in a clockwise direction.

Depth adjustment (only for swivelling side guide pads)

- Loosen both screws [5] anti-clockwise.
- Adjust the width of the lateral guide pad.
- Tighten both screws [5] clockwise again.

6.11 Armrests (optional)

WARNING Be aware of the risk of pinching and crushing!

WARNING Carry out all adjustments with the lying surface in a horizontal position!

The armrests support the arms when lying and standing.

For width adjustment without belt fastening (image A):

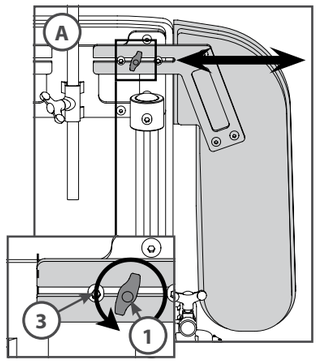
- Loosen the wing screw [1] anti-clockwise.
- Adjust the width of the lateral guide pad.
- Tighten the wing screw [1] again in a clockwise direction.

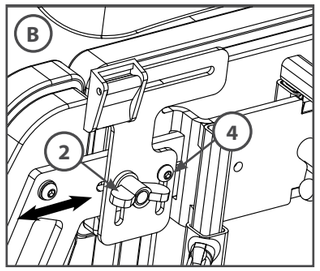
For width adjustment with belt fastening (image B):

- Loosen the wing screw [2] and screws [4] anti-clockwise.
- Adjust the width of the side guide pad.
- Tighten the wing screw [2] and screws [4] clockwise again.

WARNING The maximum adjustment is reached when the washer of the screw [2] or [3] is flush with the edge of the plate.

DANGER! Tighten all clamping elements again after each adjustment!





6. Operation/settings of the device and accessories

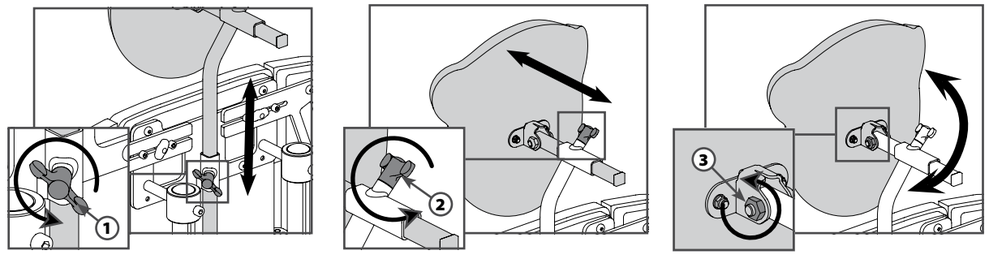
6.12 Headrest (optional)

DANGER Always check that the patient's head is in a safe position. The patient must be able to breathe freely!

The headrest can be adjusted in height, depth and inclination. In addition, the side bolsters of the "headrest, adjustable" can be adjusted in width; it also has 3-level adjustability.

WARNING Do not hang any objects on the headrest! See chapter "Minimum extension of the patient environment".

WARNING Be aware of the risk of entrapment and crushing!



For height adjustment:

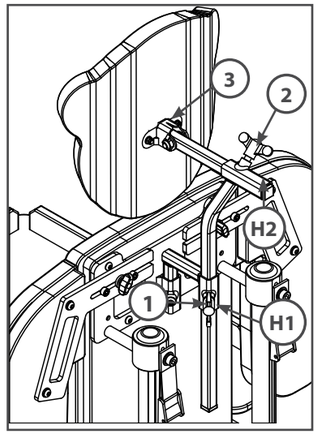
- Loosen the wing screw [1] anti-clockwise.
- Adjust the headrest to the desired height.
- Tighten the wing screw [1] again by turning it clockwise.

For depth adjustment:

- Loosen the wing screw [2] anti-clockwise.
- Adjust the depth of the headrest.
- Tighten the wing screw [2] again by turning it clockwise.

For tilt adjustment:

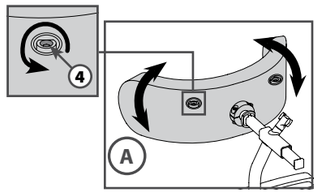
- Loosen the screws [3] anti-clockwise.
- Adjust the angle of the headrest by turning it vertically.
- Tighten the screws [3] again by turning clockwise.



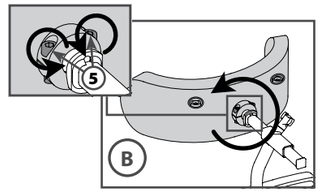
WARNING The maximum adjustment is reached when the pipe end is flush with the guide (H1 or H2).

For width adjustment (only for adjustable headrest , image A):

- Open the zip on the headrest cover.
- Loosen the screws [4] anti-clockwise.
- Adjust the width of the headrest cheeks individually.
- Tighten the screws [4] clockwise again.
- Close the zip on the headrest cover.



For 3-level adjustment (only for adjustable headrest , image B):



- Loosen the screws [5] anti-clockwise.
- Adjust the headrest to the desired position.
- Tighten the screws [5] clockwise again.

DANGER! Tighten all clamping elements again after each adjustment!

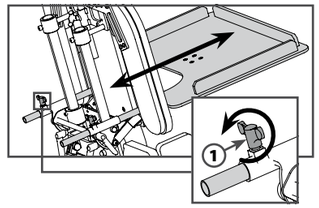
6.13 Therapy table

The depth and inclination of the therapy table can be continuously adjusted to the user's position.

WARNING The maximum load on the therapy table is 5 kg!

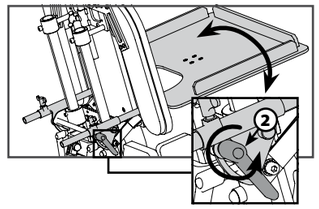
IMPORTANT The height depends on the back support. As soon as this is adjusted, the therapy table is also adjusted.

For mounting/removing:



- Loosen the wing screw [1] anti-clockwise.
- To attach: First insert the longer end of the tube, then the shorter end of the tube into the holder.
- To remove: Pull the table completely out of the holder
- Tighten the wing screw [1] clockwise again.

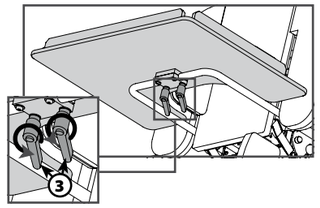
For depth adjustment



- Loosen the wing screw [1] anti-clockwise.
- Slide the table to the desired depth.
- Tighten the wing screw [1] again in a clockwise direction.

WARNING The maximum adjustment is reached when the pipe end is flush with the guide.

For adjusting the position of the entire table:



- Loosen the clamping lever [2] anti-clockwise.
- Adjust the position of the therapy table.
- Tighten the clamping lever [2] again by turning it clockwise.

For adjusting the position of the table top

- Loosen the clamping levers [3] anti-clockwise.
- Adjust the position of the therapy table.
- Tighten the clamping levers [3] again in a clockwise direction.

6. Operation/settings of the device and accessories

6.14 Push bar (optional)

Due to possible collisions, the angle of the push bar can only be adjusted for appliance configurations without optional height adjustment.

CAUTION Do not change the preset handle angle. Possible collision with the frame!

6.15 Vest

DANGER! All safety harnesses must be fitted as required and securely fastened!

DANGER! The straps must not be positioned in a twisted position!

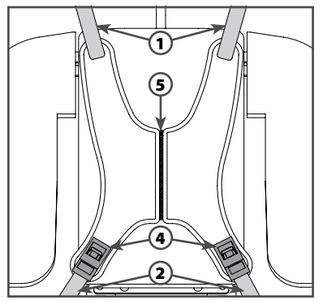
DANGER! Check the straps at regular intervals!

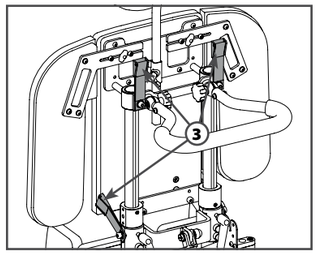
DANGER! The user must be adequately secured against falling out without restricting their comfort. Do not apply too much pressure to correct any body misalignments. Use of the device without upper body safety elements (e.g. bodysuit) is not permitted!

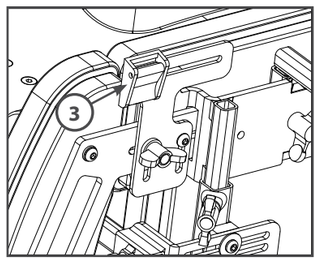
DANGER! All adjustments must be carried out with the lying board in a horizontal position or without the patient! The patient must be securely fixed in an inclined position!

DANGER! Always check the safe position of the

of the patient's head. The patient must be able to breathe freely be guaranteed!







For mounting/removing:

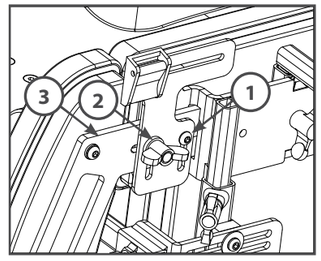
- Open the folding buckles [3].
- ***To attach:*** Guide the shoulder straps [1] and [2] through the hinged buckles [3].
- ***To remove:*** Pull the shoulder straps [1] and [2] out of the folding buckles [3].
- Close the folding buckles [3].

Coarse adjustment of the belt [1] and [2] is carried out by adjusting the straps using the folding buckles [3]. Fine adjustment can be made by adjusting the buckles [4]. At the end of the adjustment, the chest-shoulder harness should be in the centre of the body. It should sit comfortably but firmly on the user.

Open and close by pressing the zip [5].

6.16 Shoulder strap guides

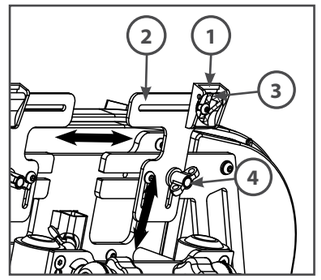
DANGER! Only carry out all adjustments without the patient or with the mattress base in a horizontal position! The patient must always be securely positioned and fixed in an inclined position!



For attaching the shoulder strap guides:

- Unscrew the pan head screws [1] and the wing screws [2] anti-clockwise.
- Position the slotted holes of the strap tab on the armrest holder [3]
- Tighten the lens head screws [1] and the wing screws [2] clockwise.

Repeat all steps in reverse order to remove the guide.



Adjusting the height of the belt strap:

- Loosen the wing screw [4] and turn it anti-clockwise (approx. 1-2 turns).
- Position the strap [2] to the desired height.
- Tighten the wing screw [4] clockwise.

Adjusting the width of the strapping strap:

- Open the folding buckle [1] upwards and loosen the pan head screw [3] or nut from the other side anti-clockwise (approx. 1-2 turns).
- Now position the folding buckle [1] in the desired position.
- Tighten the lens head screw [3] clockwise and close the folding buckle [1].

DANGER! The wing screws and the pan head screws must be firmly tightened before use. Otherwise there is an increased risk of injury!

6. Operation/settings of the device and accessories

6.17 Pelvis.Location (optional)

DANGER! All safety harnesses must be fitted as required and securely fastened!

DANGER! Only carry out all adjustments without the patient or with the lying board in a horizontal position! The patient must be securely fixed in an inclined position!

DANGER! Ensure that the PELVI.LOC functions correctly after cleaning!

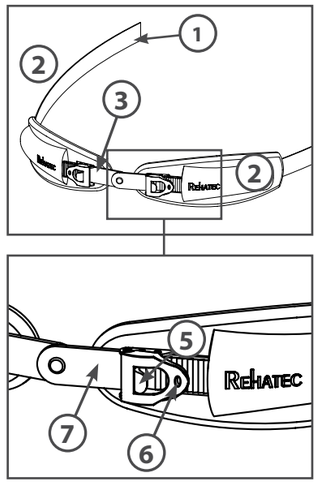
DANGER! ! Make sure that there are no objects under the padding! To avoid painful pressure points

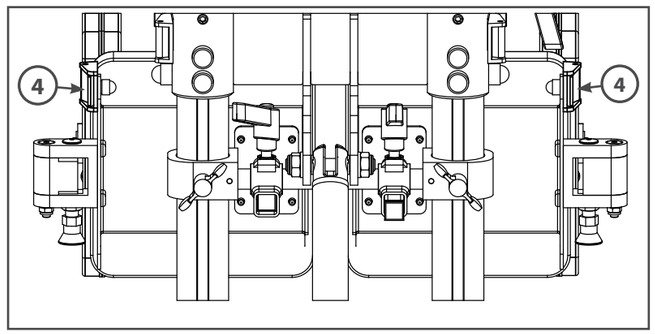
Mounting / presetting the belt length

Fitting the Pelvi.Loc To attach the Pelvi.Loc, it is necessary to insert the respective strap [1] into the hinged buckles [4] on the pelvic pelotte pad or pelvic plate and then secure it accordingly. The strap is adjusted once by adjusting the straps [1] using the hinged buckles [4]. Fine adjustment can be made using the ratchet fastener [6].

Application

1. To use the PELVI.LOC® , place the pads [2] in the pelvic area/hip crease.
2. Then guide the toothed strap [7] through the respective ratchet [5]. To do this, press the corresponding ratchet buckle [6]. It is also important that the joint of the toothed strap [3] is in the centre of the body.
3. Then tighten the toothed strap [6] until there is enough room for a flat hand between the thigh and the pad.
4. Make sure that the catches [5] engage in the teeth of the toothed strap!
5. Carry out a tensile test! To open the PELVI.LOC® , press the catch [5] and pull out the toothed strap [7].





6.18 Foot shells

DANGER! Only adjust or open the foot straps without the patient or when the lying board is in a horizontal position! The patient must always be securely positioned and fixed in an inclined position!

The foot shells [1] are used to position the feet firmly on the footrest if required and to secure them with foot straps [2] using Velcro fasteners (Fig. A).

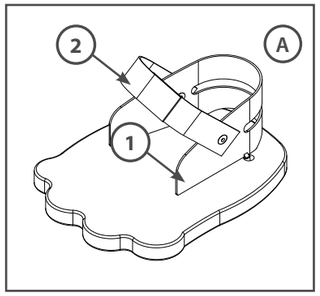
To open the Velcro fastener, pull on the edge of the upper strap until it opens while holding the lower strap.

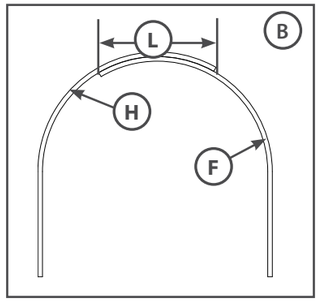
To close the Velcro fastener (Fig. B), first place and hold the strap with the upper hooks [H]in the desired position and then place the other strap with fleece[F] on top with a little tension and press it lightly over the entire overlap length [L].

WARNING For secure fastening of the hook and loop fastener (Fig. B), it is necessary that the overlap length [L] of the hooks (H) and the loop (F) is at least half of the full hook length!

WARNING If present, the patient should only stand in the device with appropriate footwear.

WARNING The Velcro fastener loses its adhesive properties due to wear over time or possible soiling. If the straps are soiled or worn, both straps must be replaced with new ones immediately! Contact your dealer for a replacement.





7. Cleaning and disinfection

The user is responsible for regular maintenance and care.

In the event of complaints or problems, please contact your service provider/dealer!

7.1 Safety instructions for cleaning and disinfection

DANGER A neglected, inadequate or incorrectly executed (under the use of cleaning or disinfection (using the wrong agents or procedures) can pose a serious risk to the operator and patients!

DANGER Maintenance, cleaning, repair and adjustment work may only be carried out without the patient in the device!

DANGER Before carrying out any technical work and cleaning processes on the electrical appliance, the disconnect the mains plug!

DANGER When cleaning and disinfecting, make sure there are no residues of the agents used to avoid poisoning, irritation and allergic reactions!

CAUTION Do not use abrasive agents or cloths to clean the appliance!

WARNING Observe the care and safety instructions for the use of the relevant cleaning/disinfectant agentsdisinfectants must be observed!

WARNING Heavily soiled, cracked, holey and contaminated foam parts, that have an adhesive connection to support elements must be replaced. A cleaning/disinfection Disinfection option is not provided for these parts!

CAUTION No cleaning agents with solvents should be used if these the structure and consistency of wood, wooden surfaces and lacquer coatings, foam/plastics, plastic surfaces plastics, plastic surfaces (benzene, toluene, acetone, etc.) and metal paintwork.and coatings.

WARNING The appliance must not be used in contact with moisture. Immediate drying must then be ensured!

CAUTION The product and its accessories are not intended for machine cleaning.

CAUTION The product and its accessories are not intended for cleaning by spraying and washing with pressure or steam cleaners! High-pressure cleaners must not be used!

CAUTION No germicidal or other irradiation for the purpose of disinfection may be used if the irradiation can have a direct effect on wood, plastics and metals as well as their surfaces and coatings.

CAUTION Cleaning agents and disinfectants may only be diluted in accordance with the instructions of the respective manufacturer!

CAUTION All soft and textile components must be removed before basic cleaning!

CAUTION After cleaning or disinfection, all soft and textile components must be must be completely dried before they are reattached to the appliance!

CAUTION The cleaning of a medical device is the sole responsibility of its user. Failure to clean the device may invalidate the device warranty and affect the clinical condition and safety of users and/or carers.

DANGER Risk of electric shock! Electrical components must not be immersed in water or splashed with water!

DANGER Follow these instructions and those of the cleaning agent manufacturer. prescribed by the detergent manufacturer.

CAUTION Connecting cables must remain plugged in during cleaning to prevent water ingress. ingress of water. All free slots must be fitted with dummy plugs!

IMPORTANT Some liquids used in healthcare can cause permanent stains! Test the cleaning agent on a small/invisible area of the surface.

7.2 General instructions for cleaning and disinfection

Remove the following components and clean them separately (if this is not possible, protect them against cleaning agents): Accessories, cushions/padded elements, wooden parts, power supply units (drive, battery and hand control). To avoid degreasing the piston rod, the drive should be retracted to the lowest stroke and load-free before cleaning.

See Table A for the frequency of use for cleaning & disinfection for various components of the appliance.

IMPORTANT Information on reuse can be found in the chapter "Reuse and patient change".

Table A: Frequency of use for cleaning & disinfection

Device components	Daily	Weekly	Monthly	Annually	Patient change	Complete cleaning	Reuse
Control elements: clamping elements, release/brake levers, push handle, etc.	o	o	o	+	o	+	+
Armrests, footrests, tables, wheel guards or similar fixed contact surfaces	o	o	+	+	+	+	+
Hand-held switches (remote control)	o	o	o	+	o	+	+
Cables, electrical controls	–	–	+	+	–	+	+
Drives (e.g. pump/gas pressure spring/motor)	–	–	o	+	–	+	+
Transport rollers	–	–	o	+	o	+	+
Textile covers/belts/textile elements	o	o	o	+	+	+	+
Covers/straps made of imitation leather	o	o	o	+	+	+	+
Upholstery *	o	o	o	o	o	x	x
Frames, brackets, structural elements	o	o	o	+	o	+	+

* Upholstery glued to metal parts cannot be cleaned and disinfected safely and must be completely replaced with new assemblies as necessary.

+ = necessary; o = recommended/as necessary; – = not necessary; x = replacement/disposal only

7. Cleaning and disinfection

7.3 Thorough cleaning before first use / storage

When unpacking the appliance, visually inspect all visible surfaces for dirt, damage or foreign substances.

Each appliance must be completely cleaned and disinfected (except for the foam pad) before first use.

It is recommended that the appliance and accessories undergo a thorough cleaning at least every 2-3 weeks or as required. See table **[A]** for frequency of use.

When selecting the cleaning agent and its dilution, always seek advice from the manufacturer of the cleaning agent in accordance with the next material table.

Before storage, the appliance must be completely cleaned and disinfected (including accessories) as if it were to be used again.

If the appliance is intended for reuse, old upholstery and padded parts can be replaced.

7.4 Cleaning when used as intended (also in domestic areas)

It is recommended that all parts of the device that have been touched by patients and operators, as well as all handles and accessories, are cleaned daily.

Use a soft cloth, warm water and a mild detergent to remove dirt and clean the product. Spilt liquids should be removed as soon as possible.

Never use polishing powder, steel wool or other materials and cleaning agents that can damage the surface of the appliance.

Never use strong acids or alkalis. The optimum pH value is 6 - 8.

Wash or replace padded elements as required.

Removable foam padding (without metal parts) and covers made of textile fabric (not artificial leather) can be machine washed at max. 40 °C.

Clean the foam upholstery parts in a tub/sink with warm water by adding a little detergent and leaving to soak for approx. 1 hour. Then rinse with clear water and hang up to dry.

Subsequent use of the appliance is only permitted for completely dry and clean appliances.

7.5 Cleaning and disinfection when changing patients

Before the device is used again, it must be carefully prepared:

- All hard surfaces with which the patient comes into contact must be cleaned and treated with a treated with a disinfectant.
- All covers (made of artificial leather) must be cleaned and treated with a disinfectant.

7.6 Cleaning and disinfection for reuse

Before the Lasse Upright and Supine Stander is used again, it must be carefully prepared:

- All solid surfaces with which the patient comes into contact must be cleaned and disinfected.
- treated with a disinfectant.
- All covers/straps must be cleaned and treated with a disinfectant (if possible).
- If soiled, all covers, foam elements and existing straps must be cleaned or replaced!
- All upholstered parts made of PU foam cannot be disinfected or washed and must therefore always be exchanged and replaced with new ones before being used again

7.7 Selection of cleaning agents or disinfectants

When selecting the cleaning agent/disinfectant and its dilution, always seek advice from the manufacturer of the cleaning agent in accordance with the material table below **[B]**..

IMPORTANT Some liquids used in healthcare can cause permanent stains! Test the cleaning agent first on a small/invisible area of the surface.

Table B: List of materials used

Part of the device	Material
Rollers	ABS, S-Z, PA 66, TPE
Metal components of the device	S -P/-C/-Z, ALU-E
plug-in buckle	POM / PA 66
sliding elements	PTFE / POM
Screws, pins, nuts	S -Z/-N, ES
Wooden parts fine veneer / solid	PU coating
Faux leather covers	PVC compound, BW/P knitted fabric, PU
Textile covers	P, PA
upholstery parts	polyurethane foam
belting	P, PA

Material	abbreviation
S-P*	Steel, powder-coated**
S-C	Chrome-plated steel
S-Z	Galvanized steel
S-N	Nickel-plated steel
ALU-E	Anodised aluminium
ES	Rustproof iron (stainless steel)
POM	Polyoxymethylene
PTFE	Polytetrafluoroethylene
PU	polyurethane
PA	Polyamide
P	Polyester
PVC	polyvinyl chloride compound
TPE	Thermoplastic elastomers
BW	cotton

*All materials for powder coating are based on epoxy resin/polyester.

For example, you can view products from the following manufacturers of cleaning agents/disinfectants: Dr. Schumacher GmbH, Bode Chemie GmbH, Schülke & Mayr GmbH, Ecolab GmbH, B. Braun Melsungen AG, Dürr Dental AG and Lysoform Dr. Hans Rosemann GmbH.

7. Cleaning and disinfection

7.8 Cleaning/disinfection of solid surfaces

Only cleaning agents and CE-certified disinfectants that are intended for cleaning medical devices and have an optimal pH value of 6.5–7.5 may be used.
Cleaning of:

- Coated and painted metal surfaces
  Coated and painted wood surfaces
  Hard plastic surfaces of star handles, wing screws, clamping levers

This is best done with a soft, dry towel, a slightly damp microfibre cloth and lukewarm water (with or without cleaning agent).

Disinfection of:

- Coated and painted metal surfaces
- Coated and painted wood surfaces
- Hard plastic surfaces of star handles, wing screws, clamping levers

This is best done with soft cleaning cloths made of paper and microfibre. The disinfectant must not be sprayed onto the product. To do this, spray a soft cloth and apply the disinfectant to the surfaces.

The device and its accessories must not be sprayed with liquid agents in order to prevent any possible ingress of liquids..

To avoid skin irritation or allergic reactions, ensure that no residues of cleaning agents or disinfectants remain on the surfaces.
Then dry the parts thoroughly..

7.9 Cleaning/disinfection of covers

Faux leather covers must be disinfected with a CE-certified surface disinfectant. The disinfectant must then be completely removed with a damp cloth and thoroughly dried with a microfibre cloth.

Alternatively, disinfection can be carried out in a cold fogging system!

Any stains on faux leather covers (Skai covers) should be removed as soon as possible with lukewarm water and a slightly damp cloth, preferably microfibre or cotton. For more stubborn stains, warm, mild soapy water and a soft hand brush or sponge can be used. The cleaning process may need to be repeated several times.

Afterwards, the residues of the cleaning agents must be wiped off with a damp cloth.

Textile covers (not imitation leather) and straps can be washed in a washing machine at up to 40°C using a standard CE-certified disinfectant detergent.

Only disinfectants for textiles that are specifically intended for medical devices (e.g. RHEOSOL-Deso) and meet the following requirements are permitted:

- Proven effective from 40°C
- CE certified medical device
- RKI or VAH listed (recommended)
- Approved in the EU (recommended).

Chemical or dry cleaning of fabrics is not permitted, nor is bleaching.

Tumble drying is only permitted at a low temperature (gentle cycle). Dry the items thoroughly afterwards. Only iron fabrics with a lukewarm iron.

To avoid skin irritation or allergic reactions, ensure that no residues of cleaning agents or disinfectants remain on the fabrics.

Dry the items thoroughly afterwards.

Table C: Symbols for substances

Symbol	significance
	Wash cycle 40°C, easy care or delicate cycle
	Do not bleach
	Iron with a lukewarm iron
	Tumble dry at low temperature (gentle)
	Clean with perchloroethylene

1025235_1.2 Subject to technical changes and printing errors.

8. Maintenance and Inspection

DANGER Before starting any maintenance work, it is essential to disconnect the mains plug from the power supply!

DANGER Never use a device that is not in perfect condition!

DANGER If there is excessive wear or if worn product parts, the safety of the product may no longer be guaranteed!

DANGER Faults, malfunctions or defects may only be rectified by the manufacturer, operator or service provider!

DANGER Do not make any modifications to the product!

WARNING Only use original spare parts/accessories or those approved by Rehatec® GmbH!

IMPORTANT In the event of complaints or problems, please contact your service provider/operator!

WARNING: During all repair and adjustment work, be aware of the risk of pinching and crushing!

CAUTION During any maintenance or inspection, all instructions in the "Cleaning and Disinfection" section must be followed!

IMPORTANT All electrical components are maintenance-free and designed to last for the entire service life of the device (except for the battery).

8.1 maintenance

Before each use, please check the following functions:

- All connecting parts and components required for the power supply.
- The functions of the brakes. Safe braking must always be guaranteed.
- Check the LED indication on the control unit (see chapter "LED indication").
- Check that the battery has sufficient capacity (see chapter "LED indication").
- All visible screw connections are secure and complete.
- The electric drives function properly during tilt/height adjustment, without noise or jerking.
- All upholstery and accessible surfaces must be checked for tears, scratches and scuff marks.
- Defective parts must be replaced.!

Regular care and maintenance

For safety reasons, it is important that all components are undamaged during use. Therefore, check them regularly and have them repaired or replaced if necessary.

The device must be serviced and maintained at regular intervals by trained specialist personnel.

Maintenance requirements are determined by the tests listed in section "8.3 Inspection schedule".

DANGER The device is designed for a maintenance interval of 12 months in accordance with the following inspection schedule.

8.2 inspection

IMPORTANT The inspection plan in section "8.2 Inspection plan" must be used to document the proper condition of the device and to document any abnormalities, malfunctions and defects!

WARNING Ensure that every safety check is recorded in the test log. The documentation must be retained until the device is disposed of.

During an inspection, a visual inspection and mechanical function tests must be carried out.

If necessary, care and maintenance work must be carried out or repairs commissioned. Missing, damaged or contaminated parts must be replaced.

When ordering spare parts, the serial number, device type and date of manufacture can be provided to the dealer or the manufacturer's sales department for advice.

1025235_1.2 Subject to technical changes and printing errors.

8. Maintenance and Inspection

8.3 inspection schedule

„Upright and Supine Stander Lasse“ Model with electric height and tilt adjustment Size 3, 4, 5

IMPORTANT Inspections must be carried out by the operator/service provider and documented on a copy. This documentation is device-specific and serves as proof for reuse, transfer and warranty claims. Please keep it together with the operating instructions.

product	serial number	Scheduled maintenance intervals
		12 months

Item	Assembly		Settings & functions		Damage & deformation		Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
1	frame	base frame	☐	☐	☐	☐	☐	☐
		Transport castors and parking brake	☐	☐	☐	☐	☐	☐
		Angle adjustment via electric drive	☐	☐	☐	☐	☐	☐
		Height adjustment via electric drive	☐	☐	☐	☐	☐	☐
		plug connections	☐	☐	☐	☐	☐	☐
		Housing for electrical components	☐	☐	☐	☐	☐	☐
		fasteners	☐	☐	☐	☐	☐	☐
		cable lines	☐	☐	☐	☐	☐	☐
		Battery	☐	☐	☐	☐	☐	☐
		angle indicator	☐	☐	☐	☐	☐	☐
		Anti-Tip system: Contact roller with safety switch	☐	☐	☐	☐	☐	☐
		Anti-tip system: Safety switch in height adjustment drive	☐	☐	☐	☐	☐	☐
		hand-held switch	☐	☐	☐	☐	☐	☐
2	foot area	footplates	☐	☐	☐	☐	☐	☐
		footrests	☐	☐	☐	☐	☐	☐
		foot strap	☐	☐	☐	☐	☐	☐
		Equinus foot correction	☐	☐	☐	☐	☐	☐
3	knee area	Knee pads	☐	☐	☐	☐	☐	☐
		Brackets or knee bends of the knee pads	☐	☐	☐	☐	☐	☐
		Padding and covers for knee pads	☐	☐	☐	☐	☐	☐
		split leg rests	☐	☐	☐	☐	☐	☐
		Leg rest brackets	☐	☐	☐	☐	☐	☐
		Upholstery and covers for the leg rests	☐	☐	☐	☐	☐	☐
		Angle adjustment, leg guidance	☐	☐	☐	☐	☐	☐

Item	Assembly		Settings & functions		Damage & deformation		Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
4	pelvic area	Pelvic pad, split						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Basin plate, continuous						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Lateral support pads						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		abduction adjustment						
		- Brackets / tooth segments	☐	☐	☐	☐	☐	☐
		Pelvis.Loc-Pelvic belt						
		- Fastening and closure	☐	☐	☐	☐	☐	☐
5	back area	backrests						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Side guide pads						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		armrests						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		push bar						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Handlebar cover (optional)	☐	☐	☐	☐	☐	☐
		- Befestigungs-/Klemmelemente	☐	☐	☐	☐	☐	☐
		- release lever	☐	☐	☐	☐	☐	☐
		Vest						
		- zip fastener	☐	☐	☐	☐	☐	☐
		- Fastenings and straps	☐	☐	☐	☐	☐	☐

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8. Maintenance and Inspection

Item	Assembly		Settings & functions		Damage & deformation		Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
6	table area	mounts	☐	☐	☐	☐	☐	☐
		wooden parts	☐	☐	☐	☐	☐	☐
		Fastening/clamping elements	☐	☐	☐	☐	☐	☐
7	headrests	mounts	☐	☐	☐	☐	☐	☐
		Upholstery and covers	☐	☐	☐	☐	☐	☐
		Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		reset adapter	☐	☐	☐	☐	☐	☐

Notes for any repairs and further maintenance:

You can also find an interactive inspection plan that you can fill out yourself in the download area of our website.

9. Reuse and patient change

DANGER Before each reuse, the product should be thoroughly inspected in accordance with the inspection plan in the "Inspection Plan" chapter and cleaned in accordance with the "Cleaning and Disinfection" chapter!

DANGER Ensure that the product is not damaged when preparing the stickers! The safety information must be available and clearly legible!

DANGER The service provider is responsible for ensuring that the user has the instructions for use and the necessary knowledge to use the product!

DANGER The individual needs and clinical pictures of patients must always be taken into account!

DANGER The usage time must not exceed the specified service life! Continued use after the service life has expired can only be approved after a thorough inspection by the manufacturer/distributor!

9.1 Reuse

The Upright and Supine Stander Lasse is generally suitable for reuse (e.g. after storage or transport), although products are subject to particular stress when reused.

The operator/service provider is responsible for ensuring that the device is in perfect condition and has been properly prepared for reuse.

When reusing the product, it is important that all documentation relating to the device (such as instructions for use, delivery note, inspection plans, etc.) is available.

If the product is passed on to other operators, all documentation relating to the device must be handed over to the next user.

The device may only be transferred to other operators if the labels (manufacturer's and safety instructions) on the device are undamaged. The information on the device type and date of manufacture must be clearly legible for the new user.

When reusing the device, all padding (padded parts) must be replaced!

It is recommended that textile covers and straps be replaced. See the chapter ‘Cleaning and disinfection’ and observe the relevant instructions!

IMPORTANT If the device is more than 4 years old, it is recommended that the battery be replaced with a new one when reinserting it.

9.2 Changing patients

The user is responsible for changing patients safely and for the necessary preparation. If you encounter any problems, please contact your service provider/dealer!

The Upright and Supine Stander Lasse is generally suitable for patient transfers; the configuration with imitation leather covers is recommended here.

All surfaces that come into contact with patients must be cleaned and disinfected!

It is recommended that textile covers and straps be replaced. See the chapter ‘Cleaning and disinfection’ and observe the relevant instructions!

10. Technical data

10.1 Mechanical and electrical data

Upright and Supine Stander Lasse

Model with electric height and tilt adjustment Size 3, 4, 5

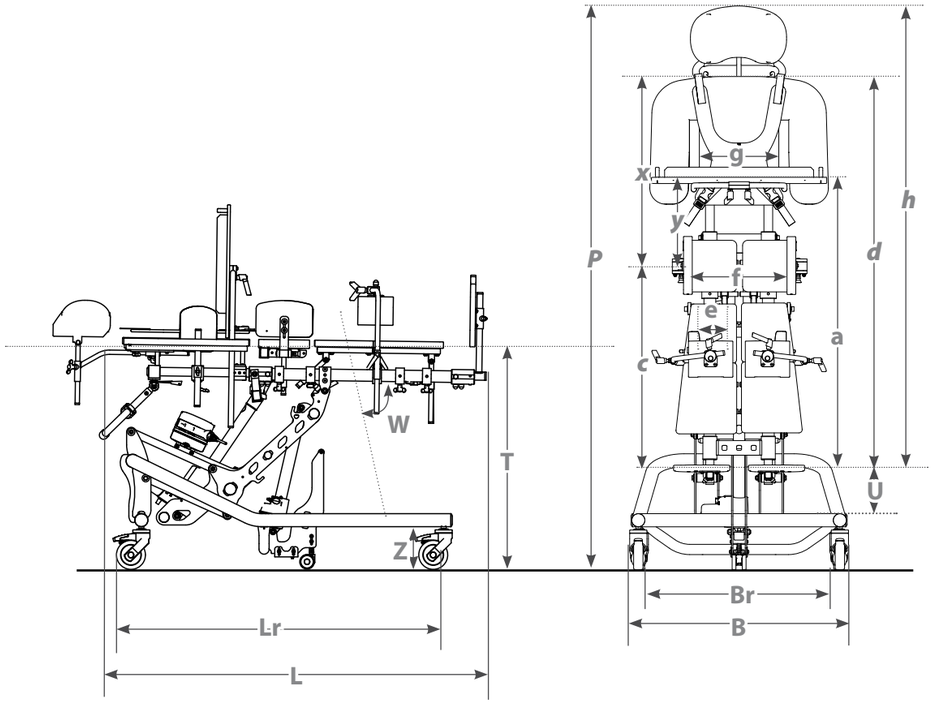
Operating environment conditions			
operating temperature	+10 °C to +35 °C		
humidity	30% to 70% (non-condensing)		
air pressure	700 hPa to 1060 hPa		
Environmental conditions during storage and transport			
temperature	-10 °C to +45 °C (+10 °C to +25 °C recommended)		
humidity	20% to 70% (non-condensing)		
air pressure	800 hPa to 1060 hPa		
Electrical data			
protection class	II		
degree of protection	BF		
U (In)	100-240 V AC, 50/60 Hz		
P (In)	420 VA		
system voltage	24 V DC		
Operating time of the electric motor	max. 2 minutes ON / 18 minutes OFF		
EMV	All components comply with Directive 2014/30/EU and IEC 60601-1-2. Product of CISPR11, Group 1 Class B		
SMPS power / at rest	200W / ~ 0,8 W		
Battery / TYPE	lithium-ion battery		
Battery / Nominal voltage / Capacity	25,7 V / 2,85 Ah / 73,25Wh		
Battery / Charging time	~10 hours (simultaneous use of the device is possible)		
Protection class according to DIN EN 60529 (IP)			
control box	IPX6	limit switch	IPX6
Drives for height adjustment	IPX6	ModularBox	IPX6
Drives for tilt adjustment	IPX4	Batterie Module	IPX6
manual operation	IPX6	General information about the device	MIN IP22
functional data			
Maximum patient weight	Size 3 - 80 kg |Size 4 - 90 kg |Size 5 – 110 kg		
horizontal height	from 80 to 108 cm		
angle of inclination	from 0° to 90°		
adjustment	4 buttons on the handheld controller		
Service			
maintenance	See the chapter entitled "Service and maintenance".		

Weight	
Total weight (for basic equipment)	Size 3 ~ 82 kg
	Size 4 ~ 85 kg
	Size 5 ~ 90 kg
transport dimensions	
[Width] x [Length] x [Height] (for basic equipment)	Size 3: 75 x 135 x 80 cm
	Size 4: 75 x 150 x 80 cm
	Size 5: 75 x 160 x 80 cm

10.2 Mechanical and anthropometric data

Upright and Supine Stander Lasse

Model with height and tilt adjustment Size 3, 4, 5



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10. Technical data

Size	Max. patient weight	T , cm	L , cm	Lr , cm	Z , cm	U , cm	Br , cm	B , cm	W , cm
3	80 kg	80 - 108	130	115	14,5	0 - 19	63	75	Bis 90°
4	90 kg		150						
5	110 kg		157						

a/y- Table height
b- Knee height
c- Pelvic centre
d/x- Shoulder height
e- Knee width
f- Pelvic width
g- Chest width
h- Body height

ATTENTION! Setting limits a, b, c, y, x, d, e, f, g are in conjunction with the corresponding accessories and may change when configuring your device.

The dimensions a, b, c and d in the table represent the following configurations:

- with standard footrest mountings and in retracted position (U = 0 cm)
- without pointed foot correction and angle adjustment

Size	a*, cm	b, cm	c, cm	y[1], cm	x[2], cm	d, cm
3	82-99	30-43	59-67	Min 16	52-62	120-135
4	98-110	38-46	70-82	Min 16	61-73	140-155
5	110-135	39-57	80-93	Min 17	56-72**	145-164

Size	e[2], cm	f[2], cm	g[3], cm	h, cm	p[4], cm
3	7-14	20-42	22-44	~128 -162	145/180
4	7-14	20-42	22-44	~155-175	165/200
5	9-15	36-51	32-54	~170-200	168/220

(*) – min/max if d = min/max
[1] – min/max if C = max
[3] – with standard and optional parts
Dimensional tolerances ±3%

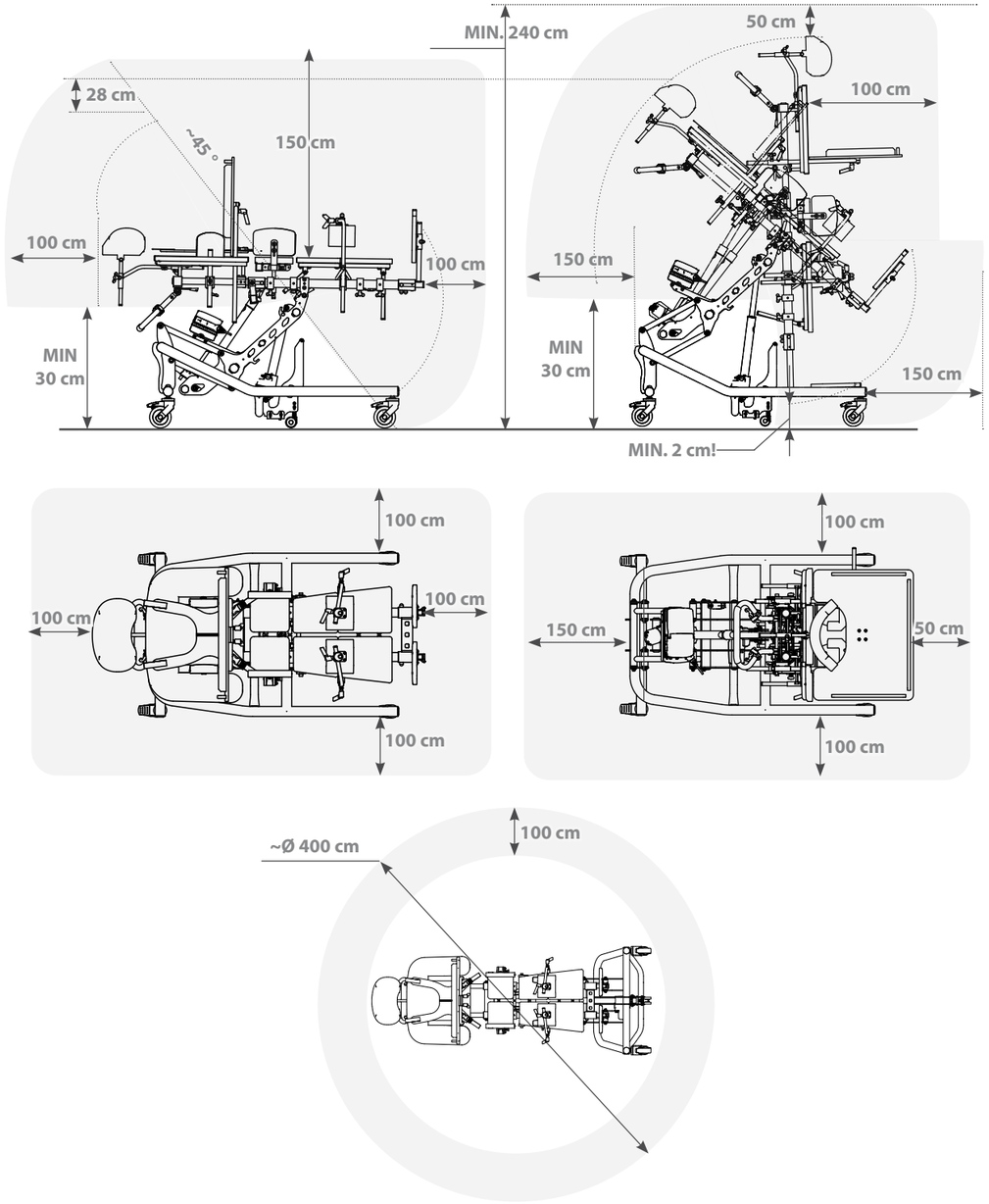
(**) – extension board required for X > 66
[2] – depending on option
[4] – approx. min/max eye level at 90°

10.3 Minimum spatial requirements around the patient

Upright and Supine Stander Lasse

Model with electric height and tilt adjustment Size 3, 4, 5

In grey are marked required free areas that are necessary for a safe operator/patient environment and proper operation of the device.



10. Technical data

10.4 Electromagnetic compatibility (optional)

WARNING Although the system has no active or sensitive parts, there is a risk that the proper operation of devices that emit or generate electromagnetic fields may be impaired.

WARNING Be aware of possible electromagnetic interference that the device could cause to the operation of devices in its vicinity that generate electromagnetic fields.

Radiation

The electric erection system is intended for operation in the electromagnetic environment specified below. The customer or user of the electric erection system should ensure that it is used in such an environment.

Emission measurements	Compliance	Electromagnetic Environment Guidelines
HF emissions according to CISPR 11	Group 1	The electric upright system uses RF energy exclusively for its internal function. Therefore, its RF emissions are very low, and it is unlikely to interfere with neighbouring electronic devices.
HF emissions according to CISPR 11	Class B	The electric upright system is intended for use in all facilities, including: • Residential areas • Facilities directly connected to a public utility network that also supplies buildings for residential purposes.
Harmonics according to IEC 61000-3-2	Classe A	
Voltage fluctuation/flicker according to IEC 61000-3-3	Compliant	

Radiation: The drive system is a CISPR11, Group 1 Class B product

Interference with other devices: The use of drive systems next to or on top of other devices should be avoided as it can lead to malfunctions. If such use is necessary, the drive system and other devices should be observed to verify that they are functioning normally. If the user notices unusual behaviour or interruptions in the drive system caused by mobile phones, microwaves or transmission towers, this could be a sign of electromagnetic interference.

Portable RF communication devices (including peripherals such as antenna cables and external antennas) should not be used closer than 30 cm (12 inches) from any part of the drive system, including cables specified by the manufacturer. Failure to do so could result in poor performance of the device.

11. Disposal

The Upright and Supine Stander Lasse must be disposed of properly. Please contact your specialist dealer for assistance with this.

Packaging materials must be separated according to waste type and disposed of in the waste containers in accordance with the municipal recycling concept. Waste disposal may vary from municipality to municipality.

The product consists of recyclable steel and aluminium alloys, European wood types and plastic. For proper disposal, please contact your local waste disposal authority (recycling centre) or the administration of your place of residence if necessary.

Observe the disposal regulations of your country.

The operator must ensure that all components to be disposed of are not infectious/contaminated. Outside Europe, the relevant laws and regulations of the respective country must be followed.

The product must not be disposed of with household waste. The device must be recycled as electrical equipment.

12. Warranty

Warranty services apply to product defects that can be proven to be due to material or manufacturing faults.

We provide a 3-year warranty on the frame parts of the Upright and Supine Stander Lasse from the date of delivery. Any defects will be repaired free of charge by ***Rehatec® GmbH***. Electrical components, upholstery, wooden parts, castors, gas springs and Bowden cables are excluded from the warranty.

Rehatec® GmbH cannot accept any further warranty or liability for damage resulting from:

- the use of non-original replacement parts and accessories or those not approved by ***Rehatec® GmbH***
- changes or modifications to the product without the approval of ***Rehatec® GmbH***
- natural wear and tear or excessive strain
- improper use or violent damage
- failure to observe the instructions for use
- accidental damage
- repairs or modifications carried out by persons who are not trained or authorised by ***Rehatec® GmbH***

The warranty shall not apply in the event of design changes without the written approval of ***Rehatec® GmbH***.

Defective or replaced parts are the property of ***Rehatec® GmbH***.

The warranty does not cover accidental damage.

The warranty applies to new devices.

REHATEC®

warranty card

You have purchased a high-quality product from ***Rehatec® GmbH***

The Rehatec® product described below is of impeccable quality and functional design. ***Rehatec® GmbH*** undertakes to repair any damage resulting from material defects free of charge within the two-year warranty period from the date of purchase.

The only items excluded from the warranty are upholstery, fabrics and castors.

Upright and Supine Stander Lasse
Model with height and tilt adjustment Size Gr. 3, 4, 5

Model name

Serial number

Date of purchase

Dealer's stamp and signature

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notes

notes

1025235_1.2 Subject to technical changes and printing errors.

REHATEC®

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