REHATEC®

Upright and Supine Stander Lasse

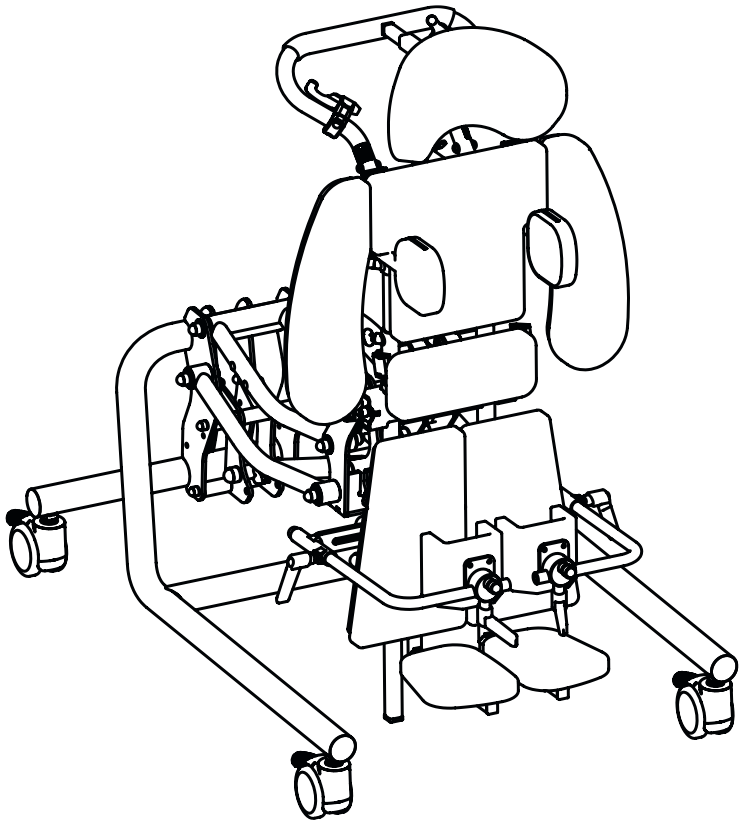
Model with height and tilt adjustment

Size Mini, 1 and 2

INSTRUCTIONS FOR USE

SERIAL NUMBER: _____

English



1026152_3.0

We set standards.

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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

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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

DANGER! The operator must not have any impairments that temporarily or permanently restrict their attention and judgement!

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

DANGER! The patient must never be left unattended. Constant supervision by an operator (adult) 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.

DANGER! It is not permitted to operate the tilt adjustment with patients without the locking 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 device is only approved for use by one person!

DANGER! The user must be adequately secured/fastened to prevent them from falling out, without restricting their comfort. Use of the device without upper body safety elements (vests) is not permitted!

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

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

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

⚠ **DANGER! Limited manoeuvrability on soft surfaces, e.g. carpeted floors – risk of tipping!**

⚠ **DANGER! When cleaning and disinfecting, remove any residues of the agents used to avoid poisoning, irritation and allergic reactions! See the chapter 'Cleaning and disinfection'.**

⚠ **DANGER! All adjustments to elements intended for patient fixation may only be carried out in the horizontal (level) position of the backrest!**

⚠ **DANGER! Only place weight on the device in the permitted areas – excessive weight due to incorrect handling (e.g. by attaching objects, leaning on it, etc.) leads to a risk of tipping.**

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

⚠ **DANGER! Protect the device from moisture! If it comes into contact with moisture, dry it immediately.**

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

⚠ **DANGER! Never use the device near or in conjunction with flammable substances and fire-causing objects.**

⚠ **DANGER! The user must ensure that there is no danger when the mains plug is connected.**

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

⚠ **DANGER! Risk of electric shock! Never pull on the cables to move the device! Torn cables or damage to the insulation pose a risk of electric shock!**

⚠ **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 device's cables are not run-over-proof! If a cable is damaged, the drive must be taken out of service immediately and disconnected from the power source!**

⚠ **DANGER! The device is only to be used for therapeutic purposes! It must not be considered or 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 (e.g. oxygen) are likely to occur!**

⚠ **DANGER! Risk of tipping! Children playing must not pull themselves up on the device!**

⚠ **DANGER! The battery cells may generate excessive heat in the event of a short circuit or mechanical damage! Fire hazard! Risk of burns! Risk of suffocation from fire products!**

⚠ **DANGER! It is not permitted to operate the device under the influence of drugs or alcohol, nor may it be operated by persons with cognitive impairments. The user must not have any impairments that temporarily or permanently restrict their attention and judgement.**

1. Safety

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

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

⚠ **DANGER! The device may only be connected to the mains supply if the mains voltage of the socket corresponds to the information on the type plate or in the 'TECHNICAL DATA' section!**

⚠ **DANGER! The upholstery, wooden and plastic parts installed on the device are not reliably flame-retardant. They are flammable, e.g. by smoking accessories, ovens, stoves, fireplaces and other room heating devices.**

⚠ **DANGER! Adjustment ranges must not be exceeded. A secure connection of the parts must be ensured.**

⚠ **DANGER! Perform maintenance at the specified intervals (see chapter 'Maintenance').**

⚠ **DANGER! When sitting down and standing up, do not step on the footboard or similar or lean on the armrest – risk of tipping.**

⚠ **DANGER! Never turn the drive pipes. This can lead to defects!**

⚠ **DANGER! Repair and adjustment work, cleaning or disinfection must only be carried out when there is no user in the device.**

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

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

⚠ **DANGER! Do not pull on the motor rods or gas spring pistons when moving the device. It is not permitted to operate the device by pulling on the actuator or otherwise exposing it to lateral forces.**

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

⚠ **DANGER! Watch for unusual noises, uneven operation or changes in stability. Stop treatment immediately and discharge the patient if you notice anything unusual.**

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

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

⚠ **DANGER! Observe the duty cycle: 10%, 2 minutes of continuous operation followed by an 18-minute break!**

⚠ **CAUTION! The housings of components must not be exposed to shocks or similar stresses.**

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

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

⚠ **DANGER! If the parking brakes or gas pressure springs are defective, the device must be taken out of service immediately! Further use is not permitted!**

⚠ **DANGER! Only for operation within the specified conditions! See chapter 'TECHNICAL DATA'.**

⚠ **DANGER! After each transport in a car, prolonged storage and before reusing the device, all checks must be carried out in accordance with the chapter 'Commissioning'!**

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

⚠ **DANGER! The patient may push off with their feet or hands against a table, wall or other furniture. Increased risk of tipping! See the chapter 'Minimum space around the patient'.**

⚠ **DANGER! Hanging lights/cables may pose a risk of electric shock! See the chapter 'Minimum space around the patient'.**

⚠ **WARNING! Additional safety instructions for individual points in the chapter 'Device settings' must be strictly observed!**

⚠ **WARNING! If available, the patient should only stand in the device with appropriate footwear.**

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

⚠ **WARNING! Depending on the patient's condition and weight, several people (or a patient lift) may be required to transfer the patient to the backboard.**

⚠ **DANGER! Be careful when adjusting the angle of inclination with a patient on the device or the height of the device without a patient using gas springs. You must expect additional force to be required in both directions (e.g. forwards or upwards).**

ⓘ **IMPORTANT Both actuators may only be cleaned when the piston rods are fully retracted.**

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

2. Symbols

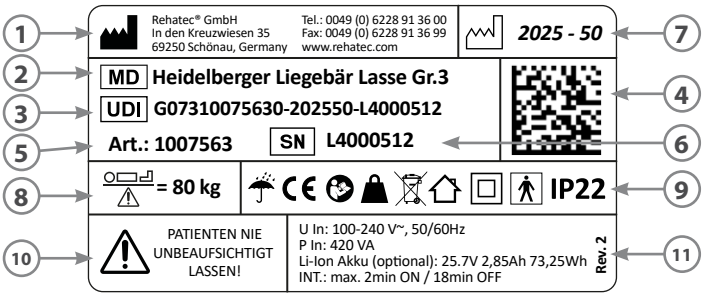
2.1 Symbols and signs on the product

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	SN	Serial number
10	MD	Medical device
11	UDI	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.

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 ***Upright and Supine Stander Lasse*** is available in different sizes. Technical data on size and permissible weight can be found in the table in the 'Technical data' section. The ***Upright and Supine Stander Lasse*** is usually delivered fully assembled and in its basic setting. To prevent damage during transport, plug-in and unfastened parts are packed separately in the box..

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

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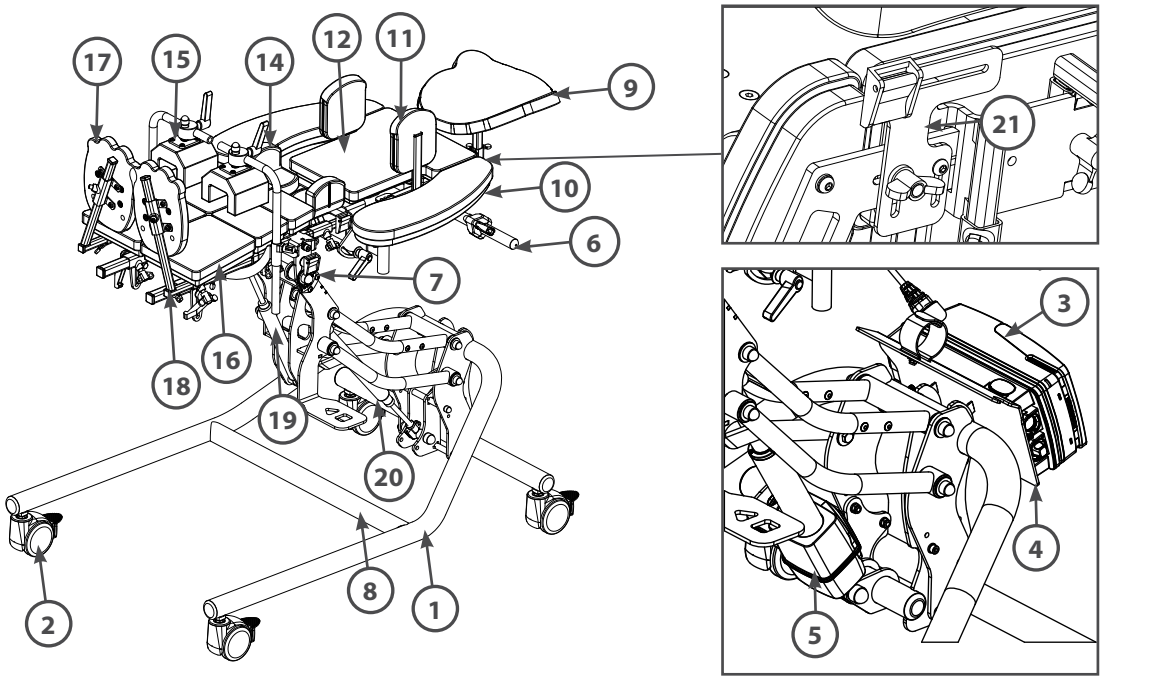


1	Base frame with lever mechanism	12	Transport castors
2	Transport castors	13	Vest (not shown)
3	Control unit with power cord and hand switch*	14	Pelvic pads
4	Lithium-ion battery*	15	Knee pads
5	Height adjustment drive*	16	Leg guides
6	Handle/push bar	17	Foot plates
7	Angle indicator	18	Foot support
8	Type plate	19	Gas spring for tilt adjustment
9	Headrests	20	Gas spring for height adjustment
10	Armrests	21	Shoulder strap guides
11	Side guide pads	(*) - Optional for devices with electric height adjustment	

Basic equipment Lasse Size Mini, 1 and 2 Standard	Basic equipment Lasse Size Mini-2 with electric height adjustment
Base frame with transport castors 75 mm, height and angle adjustment via gas spring	Base frame with 75 mm transport castors, height adjustment via motor incl. battery (optional), tilt adjustment via gas spring
Backrest	Backrest
Split pelvic plate	Split pelvic plate
Split leg supports, without angle adjustment	Split leg supports, without angle adjustment
Split footplates	Split footplates
Shoulder strap guides	Shoulder strap guides
Vest	Vest
Reset adapter for headrest	Reset adapter for headrest
Angle gauge	Angle gauge
Knee pads	Knee pads
Headrest	Headrest

4.2 Accessories

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

We recommend ordering the desired accessories when placing your initial order. However, you can also purchase and install all accessory components at a later date.

For further information, please contact your operator/service provider.

The following accessories are available for purchase:

- Wall and furniture protection
- Headrests (bear-shaped, shell-shaped, adjustable, etc.)
- Harness (Pelvi.Loc/vest)
- Side guide pads (swivelling/removable)
- Full pelvic plate (for sizes 1 and 2)
- Armrests
- Therapy table (standard/with therapy recess)
- Knee pads (standard/anatomical)
- Angle-adjustable/split leg guides (without hinge)
- Abduction adjustment
- Angle-adjustable foot support
- Pointed foot correction
- Stop (adjustment ring) Knee depth adjustment
- Foot shells with foot straps
- Transfer bar
- Lithium-ion battery

Further information and data can be found at: www.rehatec.com. Or simply request it by email, fax or post.

4. Product and delivery overview

4.3 Checking the delivery

Please check your delivery for completeness, integrity and possible contamination.

In the event of damage, incorrect delivery or incomplete delivery, please contact our customer service department:

Telephone number :+49 (0) 6228 - 91 36 - 0

When reordering accessories or spare parts, you should always quote the serial number.
The serial number can be found on the type plate (see chapter '2.2 Type plate on the device').

DANGER Risk of suffocation! Any packaging film must be kept away from children!

DANGER If the device is defective, damaged or modified, it must not be used and must be taken out of service immediately!

WARNING Combining the device with third-party products is strictly prohibited and may be dangerous. The manufacturer accepts no liability for damage or complications resulting from such combinations!

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 system, manual control and drives are maintenance-free and designed for the entire service life of the device. Parts such as the battery and the safety switch may need to be replaced due to capacity reduction/wear.

5. Operation

5.1 Manual control

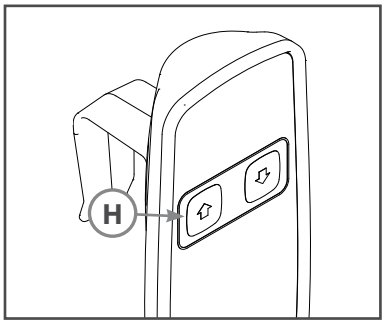
Optional for devices with electric height adjustment

IMPORTANT Do not use sharp objects to operate the keypad!

The drive of the device is controlled via the manual control. The row of buttons [H] is used for height adjustment.

The motor only operates when the button is pressed and held. Release the button as soon as you have reached the desired position.

Avoid switching quickly and repeatedly from one direction of travel to the opposite direction without allowing the motor to stop.



5.2 Control unit

Optional for devices with electric height adjustment

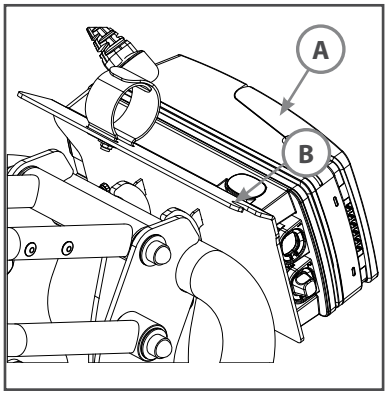
The control unit **[A]** evaluates and provides information about the status of the system and the control in accordance with the programmed parameters.

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

After connecting the power supply, the device switches on with a delay. Wait at least 15 seconds before use and check the status of the control system.

See the chapters 'LED indicators' and 'Acoustic signals' for detailed descriptions of the status indicators.

For configuration with rechargeable 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 charged automatically as soon as the mains plug of the control unit is connected.



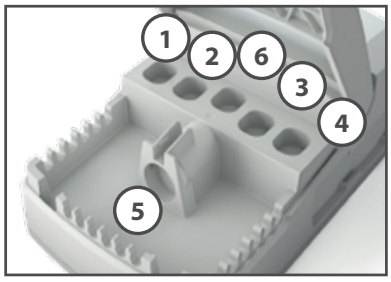
DANGER! The device may only be connected to the mains power supply if the mains voltage of the socket corresponds to the information on the type plate or in the 'TECHNICAL DATA' section!

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

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

5. Operation

Socket	Connection
1	Height adjustment drive
2	Blanking plug
3	Blanking plug
4	Blanking plug
5	Manual control
6	Battery or blanking plug

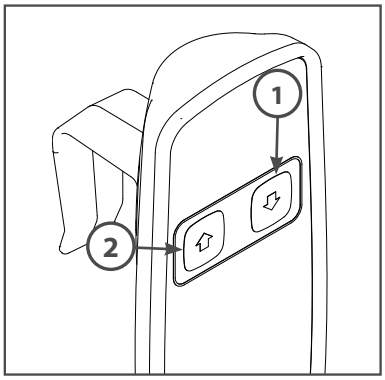


5.3 Acoustic signals

Optional for devices with electric height adjustment

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

You will hear a single short warning or mechanical 'click' – Noise from the drive after pressing the 'down arrow' button **[1]** during height adjustment if the drive's safety switch has been activated due to a collision of the moving parts.



If the device does not move down when button [1] is pressed, but there are no collisions (can occur without a patient in the device) and you hear a 'click' – noise from the drive, press the device lightly down on a firm surface while holding down the [1] button to activate the clutch (ratchet spline).

You will hear several short warning tones when the button is pressed if the position of the drive cannot be determined by the control system or if the components are not connected correctly.

To reinitialise the motor, the drive must be retracted completely. To do this, first press buttons '1' and '2' (approx. 5 seconds) on the hand-held control unit simultaneously and then press button **[2]** alternately until the motor is completely retracted.

If this does not solve the problem, please contact your specialist dealer.

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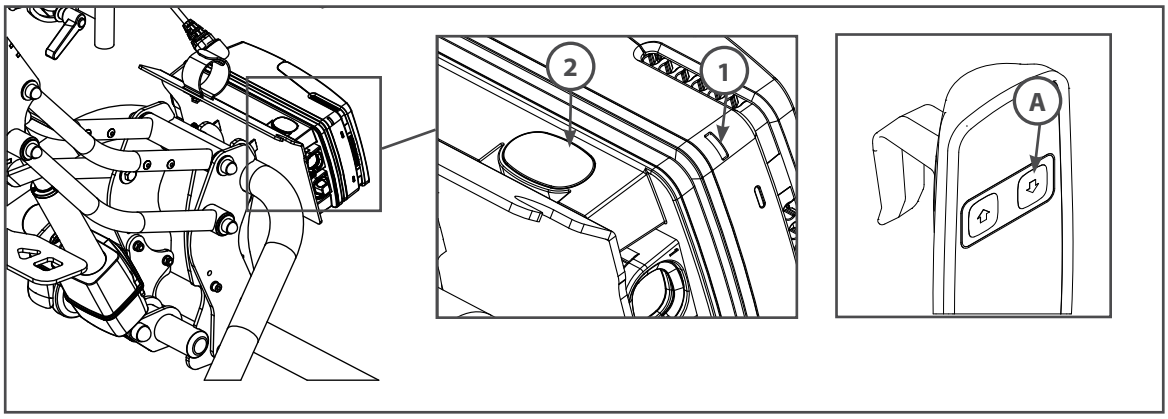
5.4 LED indicator

Optional for devices with electric height adjustment

The control unit is equipped with a green LED for the mains indicator. When 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	indicator de funcționare
LED indicator #1 (control) – connected to the mains	
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. Operation

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 may be operated for a maximum of 5 switching cycles per minute under nominal load, otherwise a malfunction may occur.

5.6 Lithium-ion battery

Optional for devices with electric height adjustment

DANGER! The battery cells can generate excessive heat in the event of a short circuit or mechanical damage!

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

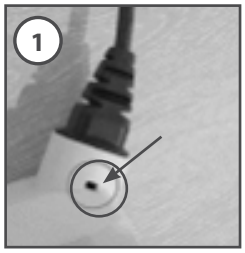
DANGER! Observe the operating time: 2 minutes of continuous operation, followed by an 18-minute break!

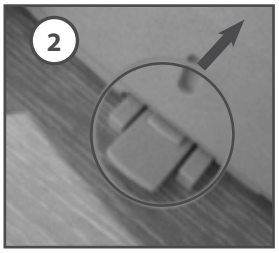
IMPORTANT Lithium batteries are dangerous goods and therefore require special transport packaging. All national and international shipments containing lithium batteries are subject to the transport regulations for dangerous goods in accordance with ADR, RID, ADN, IMDG, ICAO / IATA regulations.If you are shipping lithium-ion batteries individually, use a label with UN3480. If you are shipping lithium-ion batteries that are contained in devices or packed with devices, use a label with UN3481.

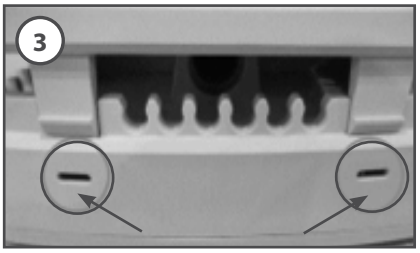
IMPORTANT Read the chapters 'LED indication' and 'Acoustic signals' for detailed descriptions of the indications.

1. Disconnect the power cord from the mains. Remove the power cord from the control unit by inserting a screwdriver into the marked retaining clip (Figure 1).
2. Detach the control unit from the device by pressing the tab on the two mounting clips and sliding the control unit in the direction of the arrow (Figure 2). Open the cover of the control unit by loosening the locking clips with the screwdriver (Figure 3) and disconnect the motor and control cables.

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





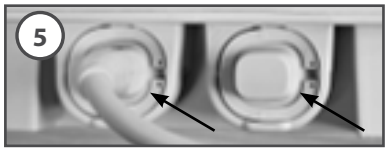


3.Plug the supplied battery connection cable into one of the two battery terminals (Figure 4). Ensure that it is fully connected.
4.Plug the supplied blanking plug into the second battery terminal (Figure 4).
5.Secure the battery connection cable and the blanking plug with the retaining rings (Figure 5).

Use a thin screwdriver to remove the retaining ring (Fig. 5). Insert the screwdriver into the slot on the connection cable (Fig. 6). Push the retaining ring upwards with gentle pressure. Once the retaining ring has been removed, the connection cable can be pulled out.

6.First connect the battery **[A]** and then the control unit **[B]** to the device and ensure that the locking clips are fully engaged (Figure 7). If the clips are not fully engaged, the tab (shown in Figure 2) will protrude.
7. Plug the battery connection cable (Figure 8) into the battery connection and the other component into the control unit. Ensure that everything is fully connected and that all free sockets are fitted with blanking plugs (Figure 9).

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



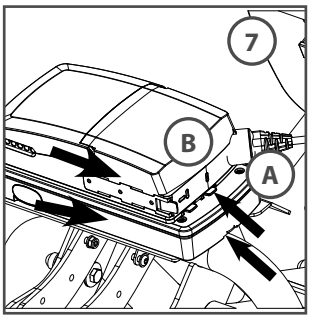
8.Close the cover of the control unit and ensure that the locking clips are fully engaged.
9.Reconnect the power cable to the control unit and ensure that the safety clip is engaged (Figure 1).
The procedure is identical for removing and replacing the battery.

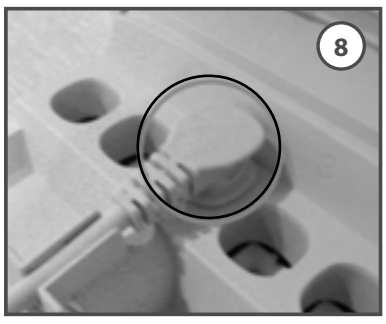
IMPORTANT Fully charge the battery before using it for the first time!

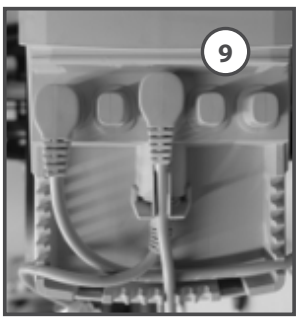
The first charge can take up to 12 hours. With normal use, after an alarm or when the battery capacity is low, the battery charging time is approx. 10 hours.

The connected battery is charged automatically as soon as the control unit is plugged into the mains. Charging and adjusting the drives can be done simultaneously. In the event of a power failure, the charged battery automatically supplies the control unit.

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







5. Operation

IMPORTANT Read the chapters 'LED Indication' and 'Acoustic Signals' for detailed descriptions of the indications.

Deep discharge protection: The battery has deep discharge protection to protect the battery's service life. Deep discharge protection is activated when the battery is discharged.
Recharge the battery before storage if it has been completely 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 When the battery is completely discharged, the charging process starts at a very low speed to protect the battery from damage. In this case, the yellow LED will flash.

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

IMPORTANT In case of overheating, the device activates thermal protection. No output power is available until the temperature returns to the normal operating range. Excessive use at high temperatures or exceeding the switch-on time can lead to overheating!

IMPORTANT Dispose of the batteries in accordance with local regulations.

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

5.7 Transporting the device and patient

CAUTION! Risk of accident! Before transport, the patient must be secured with straps and knee pads to prevent them from falling out unintentionally!

For safe and comfortable transport of the device and patient, set the stretcher to the horizontal and lowest comfortable position or a transport position. To do this

- Activate the corresponding release lever to tilt the back stretcher.
- A comfortable and safe angle of inclination for transport is possible at approx. 45 degrees. Activate the corresponding release lever and simultaneously press the pedal (S) with your foot and the handle [G] with your hand. If your device is equipped with an electronic system (optional), press the button **[A]** on the hand control to set the required transport height.
- Use the holding or pushing points **[C]**, [D] and [F] for product transport..

For more information on inclination, see the chapter 'Adjusting the device, inclination adjustment'.

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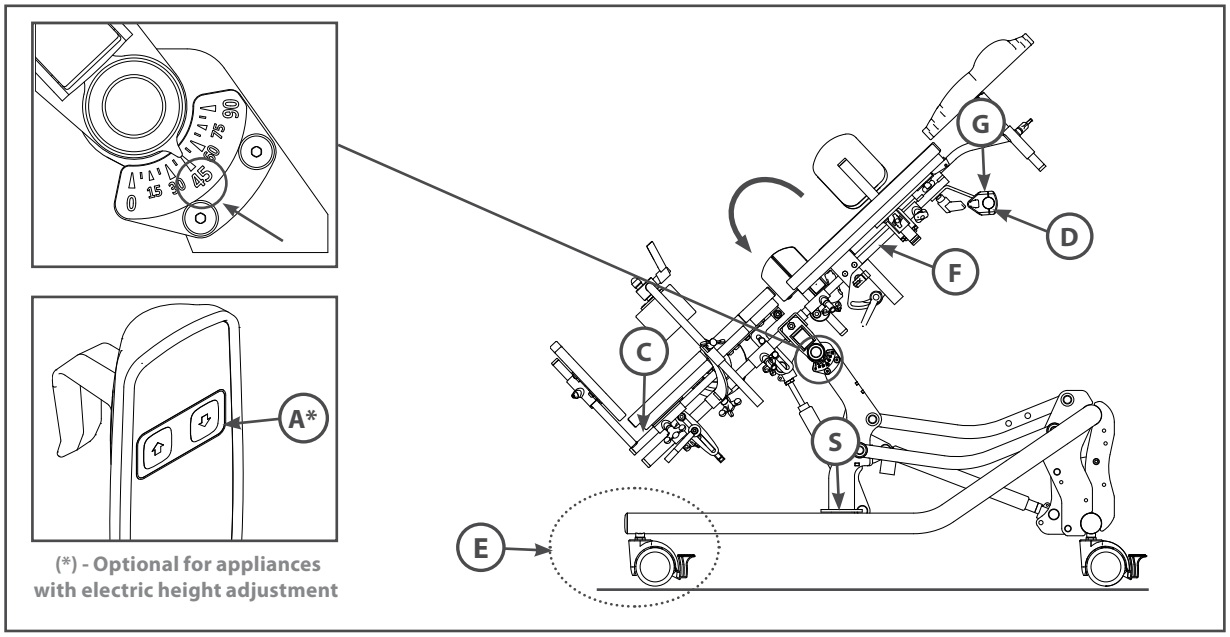


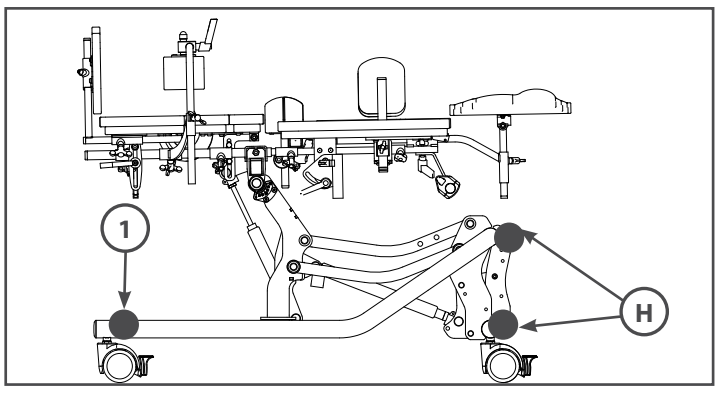
For patient transport in a standing position from the backboard, always set the backboard to the lowest possible position. Be aware of possible collisions with the floor or fixed parts in area [E]. See the chapter "Height adjustment ". Use the holding and pushing points [F] for product transfer.

CAUTION! Risk of tipping! When pushing in the standing position, always use the points mentioned to ensure safe transfer. It is not permitted to push the device above the hips or on the back!

CAUTION The standing device is very heavy and must only be lifted by at least 2 persons!

For safe and convenient transport of the device:

- Adjust the reclining board to the lowest and horizontal position.
- Grasp the device on the right and left at the front and rear at the holding points [H] and lift it simultaneously with two persons.



5. Operation

5.8 Commissioning for units with electric (optional) and manual height adjustment

WARNING Ensure that no one can injure themselves while the drive is in use!

WARNING Always keep an eye on the drive and all moving parts!

DANGER In an emergency, the drive can be shut down 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 battery plug out of the control socket.

For devices with electric height adjustment (optional), please first carry out a visual inspection of the device to confirm the following:

1. All cables are plugged in all the way.
2. Cables and housings of electronic components are free of visible defects.
3. All screw connections have the necessary counterparts and are securely connected.
4. Frame components and transport rollers are free of cracks and are not deformed.
5. All clamping elements of positioning elements (e.g. footboard) are available and functional.
6. All contact surfaces are dry and free of contamination.

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

The next step is to check that the device's electrical system is functioning correctly. Please follow all of the listed checks (read the description of how to operate the device and its components in the relevant chapters of the operating instructions):

7. Connect the device to the power supply; the LED display on the control unit should not show any errors and should be green..
8. First, set the device to a horizontal position.
9. Set the minimum height while holding down button **[A]**. Increase the angle of inclination if there is a risk of collision in zone [E]. Set the maximum height again while holding down button **[B]**. The motor must reach the stop. There must be no jerking, creaking, vibration or extraneous noise! Pay attention to the acoustic and LED signals from the control unit.
10. For the final test, the battery must be fully charged and the controller should not emit any acoustic warnings or LED signals. Disconnect the device from the mains and repeat the process from the previous step, but use the battery

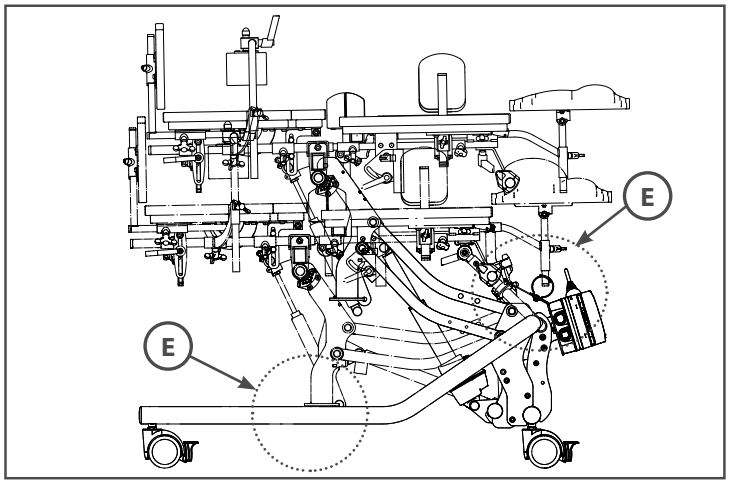
DANGER! The drive is equipped with a clutch (ratchet spline mechanism) to prevent collisions. However, this mechanism cannot completely prevent damage to the device or injury to the user/patient! Always be aware of potential collisions between moving and stationary parts in areas [E]! If the footrests collide with the floor during tilt adjustment, there is a risk of the device tipping over

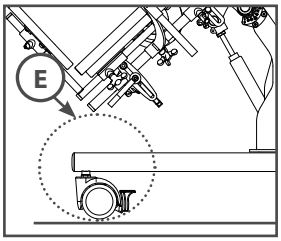
DANGER! If malfunctions are detected in the system during functional testing, the device must not be used until they have been rectified!

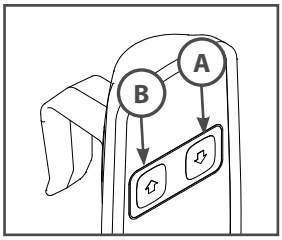
If the device does not lower when button [1] is pressed, but there are no collisions (may occur without a patient in the device) and you hear a 'clack' sound from the drive, press the device lightly down on a firm surface while holding down button [1] to activate the clutch (ratchet spline).

WARNING Before using the device for the first time, the battery must be fully 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 must be adjusted to the patient's needs.







The exact descriptions of the individual adjustment options for the patient's needs are provided in the following chapter.

For all configurations of the device, please carry out a visual inspection and functional test of the device to confirm the following:

1. All Bowden cables are free of defects and securely mounted.
2. The gas spring has no oil leaks and the frame has no visible defects.
3. All screw connections have the necessary counterparts and are securely fastened.
4. Frame components and transport rollers are free of cracks and deformation.
5. Transport rollers are all securely fastened and parking brakes function properly.
6. All clamping elements of positioning elements (e.g. footboard) are available and functioning.
7. All contact surfaces are dry and free of contamination.
8. All folding clamps are securely fastened and guarantee reliable belt tension.
9. The tilt adjustment functions and the backboard can be fixed in all positions.
10. The vest/harness are free of defects. The plug connections and the zip fastener function securely.

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 transferred to the Upright and Supine Stander Lasse , the following preparations must be made:

⚠ **CAUTION The device must be placed on a non-slip, level, stable and horizontal surface and the transport rollers must be locked before adjusting the device.**

⚠ **DANGER! Before using the device, check the following points with the attending physician:**

- **Disease-specific use of the device (contraindications).**
- **How long the patient may remain in the device in order to prevent possible injuries**
- **Suitable straps for securing the patient safely.**
- **Necessary accessories for correct and safe joint/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 device can only be made without the patient or in a horizontal position.**

⚠ **DANGER! Some settings on the device require additional space for safe device handling. See 'Minimum space around the patient' for the necessary dimensions.**

6.1 Transport castors

The four castors are equipped with locking brakes.

⚠ **WARNING The Liegebär must be placed on a firm, level and horizontal surface.**

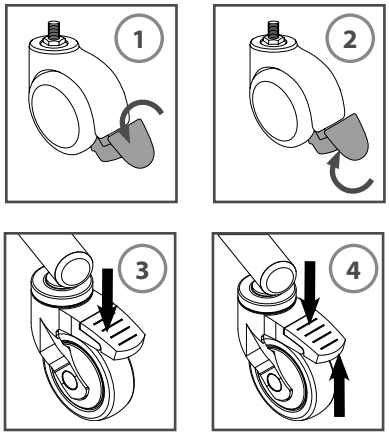
⚠ **WARNING When using the device, only wear closed shoes with a firm toe cap!**

⚠ **WARNING To prevent accidental rolling away, all four transport castors should be locked.**

Locking the castors: press the lock downwards (figures 1 and 3).

Unlocking the castors: press the lock upwards with the tip of your foot (figure 2).

Optional for castors with a diameter of 100 mm and 125 mm: press the lock downwards or upwards, as shown in figure 4.



6.2 Height adjustment

WARNING Height adjustment with the patient in the device is only permitted when the locking brakes on all transport castors are activated!

DANGER! The base frame has many moving parts! Take care not to accidentally trap your hands or 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 device must be placed on a firm, level and horizontal surface.

DANGER! Please note that changes in height will shift the centre of gravity of the device! Use the 'transport position' to move the device with or without a patient. Follow the instructions in the chapter 'Device and patient transport'. Risk of tipping over and injury!

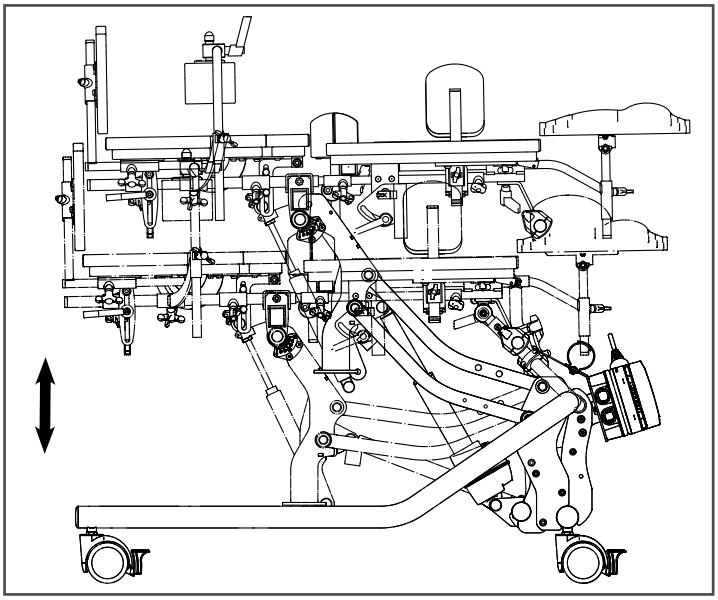
The backrest can be adjusted from approximately 60 cm to 80 cm using the height adjustment mechanism.

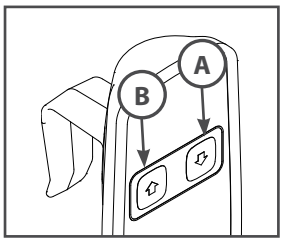
For devices with electric height adjustment (optional):

To raise the bed board, press the [A] button on the hand control. The height adjustment drive will stop automatically when the maximum point is reached.

To lower the board, 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.





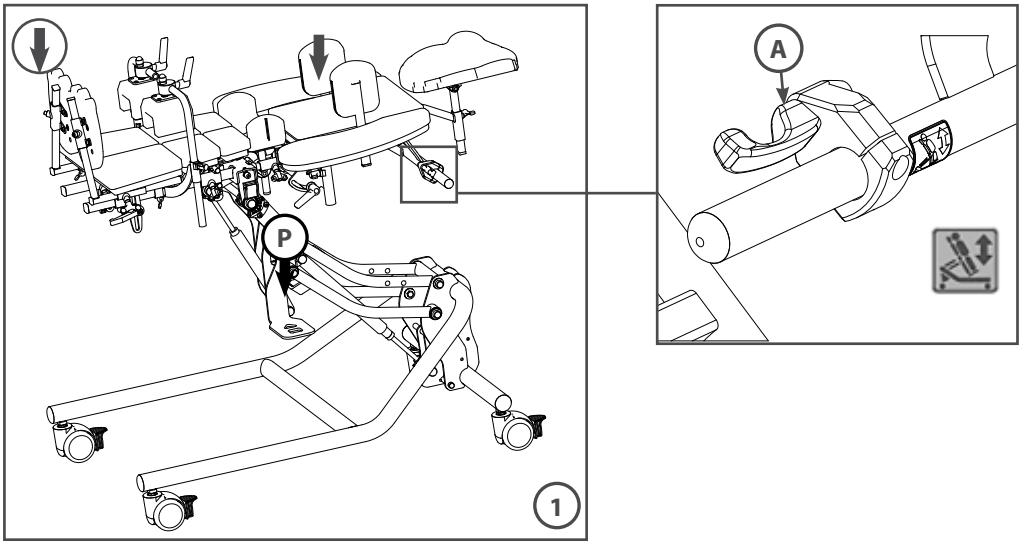
IMPORTANT If the reclining board moves upwards instead of downwards when the [B] button is pressed, check for possible collisions with fixed parts. See the chapter entitled 'Controls and indicators'.

DANGER! Simultaneous height and tilt adjustment is prohibited!
Risk of injury!

6. Operation/settings of the device and accessories

For devices with mechanical height adjustment:

To lower the device, press the release lever **[A]** on the left side (Fig. 1) of the device marked with the corresponding symbol (marked in red) while simultaneously pressing down on the bed board. If additional force is required for adjustment (e.g. height adjustment without patient), also press your foot on the pedal (P) shown at the same time. Once the desired height has been reached, release the release lever **[A]** of the gas pressure spring.



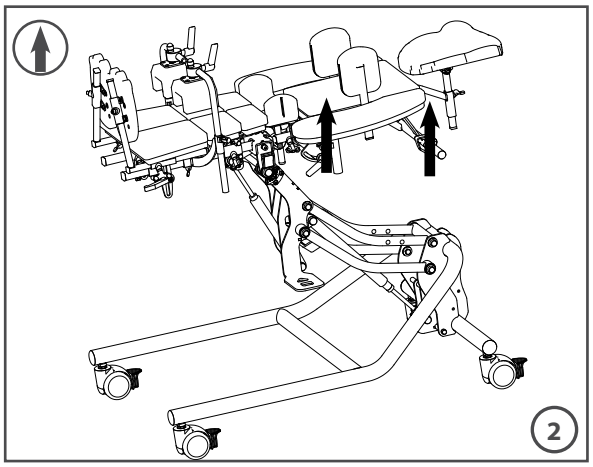
WARNING Rapid movement of the stretcher board up or down will occur if the release lever is operated quickly with or without a patient on it! You can control this acceleration by gently activating the release lever.

This adjustment is easier if the surface is inclined at more than 45 degrees or is vertical. See the chapter on 'Inclination adjustment'.

To raise the table, press the release lever **[A]** on the left-hand side. At the same time, pull the handle and the table upwards, as shown in Figure 2.

This adjustment is easier if the surface is first tilted less than 45 degrees. See the chapter 'Tilt adjustment'.

DANGER! Simultaneous height and tilt adjustment with the patient is prohibited! Risk of injury!



6.3 Inclination adjustment

DANGER! Please note that changes in height will shift the centre of gravity of the device! Use the 'transport position' to move the device with or without the patient. Follow the instructions in the chapter 'Device and patient transport'. Risk of tipping over and injury!

DANGER! An incline setting of more than approx. 45° with the patient in the device is only permitted if the locking brakes on all transport castors are activated!

DANGER! The patient must always be secured with knee pads, appropriate straps, footboards, foot shells and the necessary side pads before the device is raised – otherwise there is a risk of injury!

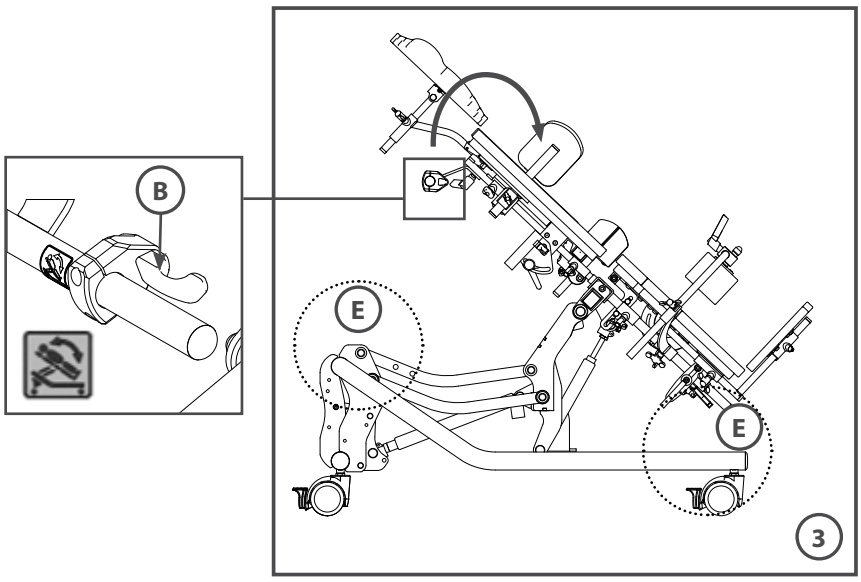
DANGER! The base frame has many moving parts! Take care not to accidentally trap your hands and feet between the moving parts!

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

To adjust the inclination, press the release lever **[B]** on the right-hand side (Fig. 3) of the device (marked with a yellow sticker and corresponding symbol) while pulling the handle in the desired direction. Once the desired inclination has been achieved, release the release lever **[B]** of the gas pressure spring.

WARNING Always be aware of possible collisions between moving and stationary parts in areas [E]!

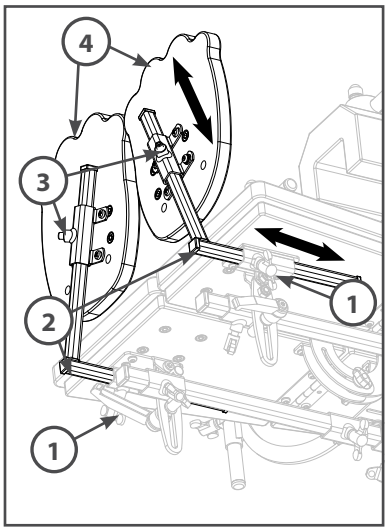
DANGER! Simultaneous height and tilt adjustment with patients is prohibited! Risk of injury!



6. Operation/settings of the device and accessories

6.4 Split footplate

The Upright and Supine Stander Lasse comes with two footplates that can be easily adjusted to the position of the feet. The wide range of adjustment options allows the foot length and ankle position to be taken into account, as well as the therapy goal (e.g. pes cavus correction, if available as an accessory).



⚠ **DANGER! Only make adjustments when the patient is not on the board or when the board is in a horizontal position!**

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

For height adjustment:

- Loosen the wing screw **[1]** counterclockwise.
- Adjust the height of the foot angles **[2]**.
- Tighten the grub screw **[1]** again clockwise.

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

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

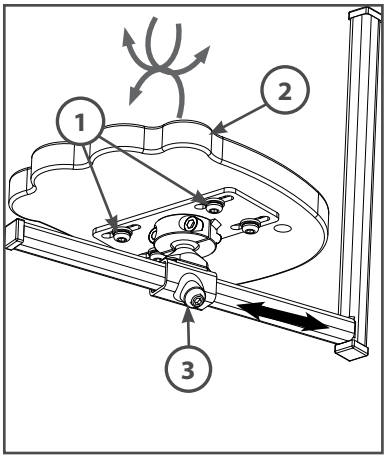
For depth adjustment:

- Loosen the grub screw **[3]** anticlockwise.
- Adjust the depth of the base plate **[4]**.
- Tighten the grub screw **[3]** again clockwise.

⚠ **DANGER! Tighten all screws [3] again after making any adjustments!**

6.5 Pointed foot correction (optional)

Pointed foot correction (optional for your device) is a 3-level adjustment that allows you to adapt the foot position.



⚠ **DANGER! Only make adjustments when there is no patient on the table or when the table is in a horizontal position!**

For 3-level adjustment:

- Loosen screws **[1]**.
- Adjust the footplate **[2]** to the user's foot in a clockwise direction.
- Tighten the screws **[1]** again in a clockwise direction.

For depth adjustment:

- Loosen the grub screw **[3]** in an anticlockwise direction.
- Adjust the depth of the footplate **[2]**.
- Tighten the grub screw **[3]** again in a clockwise direction.

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DANGER! Tighten all screws (1, 3) again after making any adjustments!

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

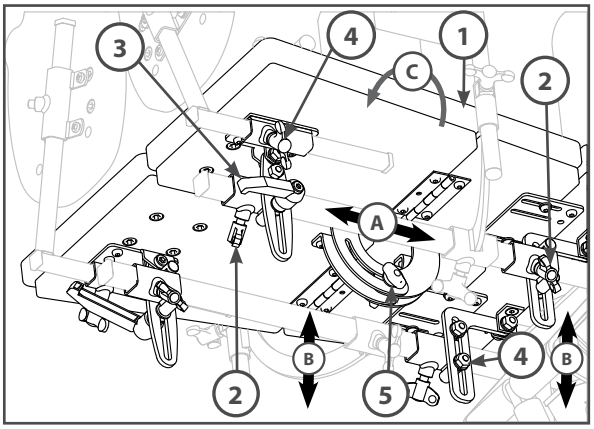
6.6 Leg rests

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

DANGER! Only carry out adjustments when there is no patient on the table or when the table is in a horizontal position!

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

You can order additional leg rest elements from your dealer or service provider as a device modification.



For height adjustment* [A]*:

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

For overall angle adjustment* [B]*:

- Loosen the clamping lever **[3]** and nuts **[4]** anticlockwise.
- Adjust the leg rest to the desired overall angle using the brackets.
- Tighten the clamping lever **[3]** and nuts **[4]** clockwise again.

You can also loosen the wing screw [2] to change the width between the brackets if the brackets collide with other parts.

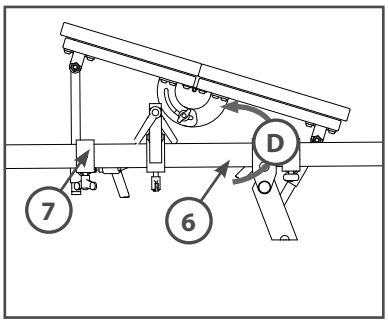
For knee angle adjustment* [C] *optional:

- Loosen the wing screws **[5]** anticlockwise.
- Loosen the clamping levers **[3]** counterclockwise.
- Adjust the leg rest to the desired total angle.
- Tighten the clamping levers **[3]** and wing screw **[5]** again clockwise.

The abduction adjustment (optional on your device): allows the leg rests to be adjusted to the lateral angle of the legs.

6. Operation/settings of the device and accessories

For abduction adjustment [D] optional:



- Loosen screw **[6]** by turning it anticlockwise until the tooth segments can move freely. Adjust the desired angle of the leg guide **[2]**.
- Tighten screw **[6]** again by turning it clockwise so that all hinges grip the tubes firmly.

DANGER! Tighten all clamping elements again after each adjustment!

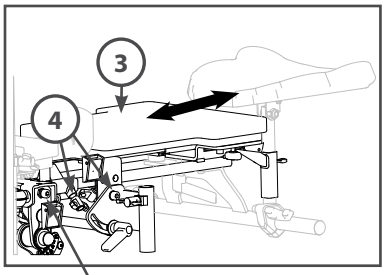
CAUTION! Check for possible collisions after adjusting the leg and foot supports before use!

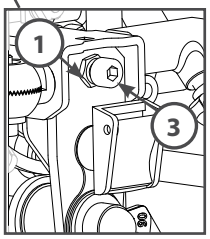
6.7 Backrest

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

DANGER! Only carry out adjustments when there is no patient on the table and the table is in a horizontal position!

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





For height adjustment:

- First loosen the lock nut **[1]** and then the screws **[2]** on both sides of the device in an anticlockwise direction.
- Loosen the wing screw **[4]** in an anticlockwise direction and adjust the backrest **[3]** to the desired height.
- First tighten the screws **[2]** and then the lock nut **[1]** on both sides of the device clockwise.

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

GDANGER! Retighten all clamping elements after each adjustment!

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6.8 Pelvic pads and pelvic plate

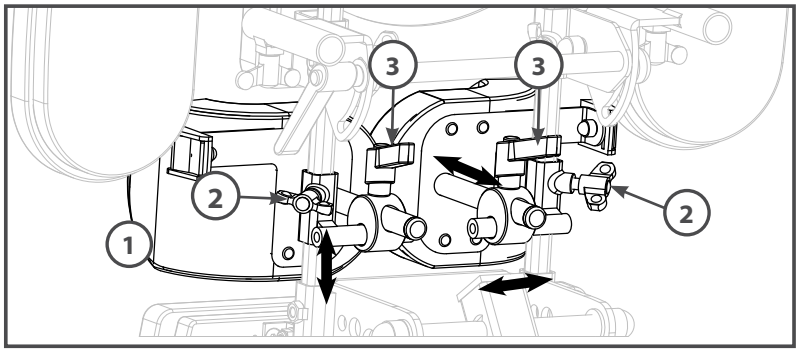
The pelvic pads or pelvic plate (optional on your device) guide the position of the pelvic area. They can be adjusted in angle, depth, width and height.

DANGER! Only make adjustments when the patient is not on the table or when the table is in a horizontal position!

WARNING: Be aware of the risk of pinching and crushing!

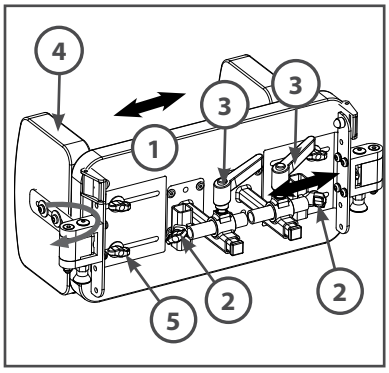
DANGER! Tighten all clamping elements again after each adjustment!

The pelvic pads (shown in the picture) can also be adjusted in width.



For height adjustment:

- Open the wing screws **[2]** counterclockwise.
- Adjust the height of the pelvic plate/pelvic pads **[1]**.
- Tighten the wing screws **[2]** clockwise again.

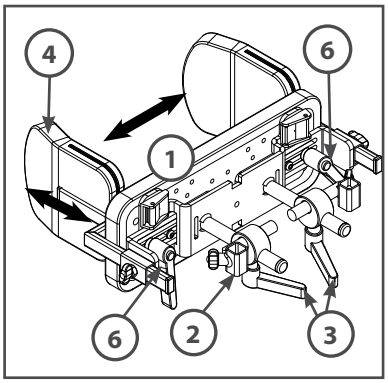


For angle and depth adjustment:

- Open the clamping levers **[3]** counterclockwise.
- Adjust the desired height and angle of the pelvic plate/pelvic pads **[1]**.
- Tighten the clamping levers **[3]** again clockwise.

To adjust the width of the side pads:

- Open the clamping levers **[6]**/wing screws **[5]** anticlockwise.
- Set the desired pelvic width of the side pads **[4]**.
- Tighten the clamping levers **[6]**/wing screws **[5]** clockwise again.



Please refer to the chapter 'Side guide pads' for further settings.

6. Operation/settings of the device and accessories

6.9 Knee pads

The knee pads control the position of the knees. Height, angle, width and inclination can be adjusted individually.

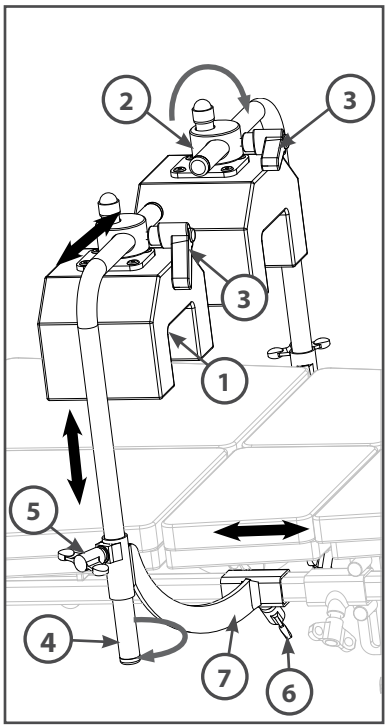
DANGER! Only carry out all adjustments with the patient removed or with the stretcher in a horizontal position! The patient must be securely fastened in an inclined position!

DANGER! Use of the device without the knee pads firmly adjusted 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 pads. Follow the steps below



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

For height adjustment:

- Loosen the wing screw **[6]** anticlockwise.
- Set the desired height of the knee pad holder **[7]**.
- Tighten the wing screw **[6]** clockwise again.
- Follow the steps below to adjust the position of the knee pads **[1]**.

For height adjustment:

- Loosen the wing screw **[5]** counterclockwise.
- Set the desired position of the knee pads **[1]** using the tube **[4]**.
- Tighten the wing screw **[6]** clockwise again.

For angle/width adjustment:

- Loosen the clamping lever **[3]** anticlockwise.
- Adjust the desired position of the knee pad holder **[2]** and the knee pad **[1]** to the knee.
- Tighten the clamping lever **[3]** clockwise again.

DANGER! Tighten all clamping elements again after each adjustment!

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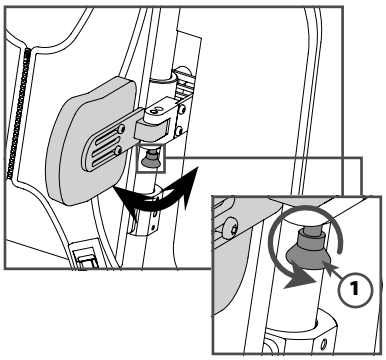
6.10 Side guide pads (optional)

The side guide pads guide the position of the chest.

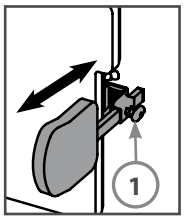


WARNING Beware of the risk of pinching and crushing!

WARNING Perform all adjustments with the stretcher in a horizontal position!

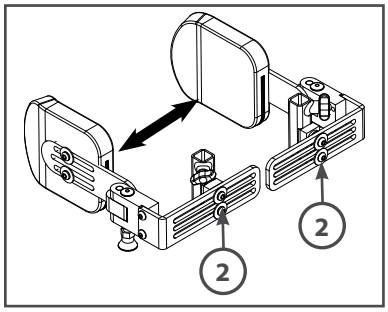
To swivel (only for swivelling side guide pads)

- Pull the locking bolt **[1]** downwards and hold it in place.
- Swivel the side guide pad outwards.
- If necessary, swivel the side guide pad back until the locking bolt **[1]** automatically engages.



To remove/attach and adjust the depth (only for removable side guide pads):

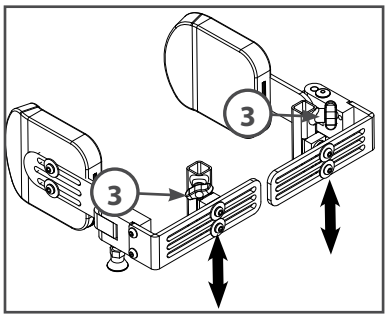
- Loosen the wing screw **[1]** counterclockwise.
- Remove/attach the side guide pad or place it in the desired position.
- Tighten the wing screw **[1]** again clockwise.



For width adjustment (all versions):

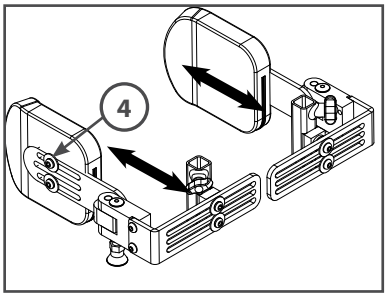
- Loosen the screws **[2]** anticlockwise.
- Adjust the width of the side guide pad.
- Tighten the screws **[2]** again clockwise.

Before adjusting the width, the armrest settings must also be adjusted.



For height adjustment (all versions):

- Loosen the wing screw **[3]** anticlockwise.
- Remove/attach the side guide pad.
- Tighten the wing screw **[3]** again clockwise.



For depth adjustment (only for the swivelling side guide pads)

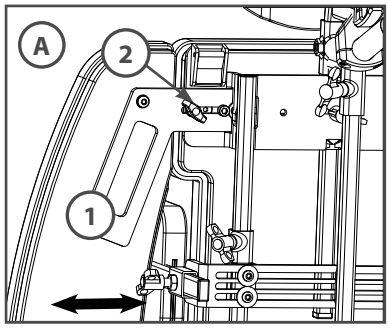
- Loosen both screws **[4]** anticlockwise.
- Adjust the width of the side guide pad.
- Tighten both screws **[4]** again clockwise..

6. Operation/settings of the device and accessories

6.11 Armrests (optional)

WARNING Beware of the risk of pinching and crushing!

WARNING Perform all adjustments with the stretcher in a horizontal position!

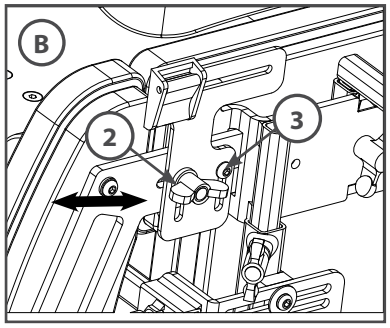


The armrests [1] support the arms when lying down and standing.

To adjust the width without strap fastening (Fig. A):

- Loosen the wing screw [2] counterclockwise.
- Adjust the width of the side guide pad.
- Tighten the wing screw [2] clockwise again.

For width adjustment with strap fastening (Fig. B):



- Loosen the wing screw [2] and screws [3] counterclockwise.
- Adjust the width of the side guide pad.
- Tighten the wing screw [2] and screws [3] clockwise again.

WARNING The maximum adjustment is reached when the washer of screw [2] is flush with the edge of the sheet metal.

DANGER! Tighten all clamping elements again after each adjustment!

6.12 Headrest

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

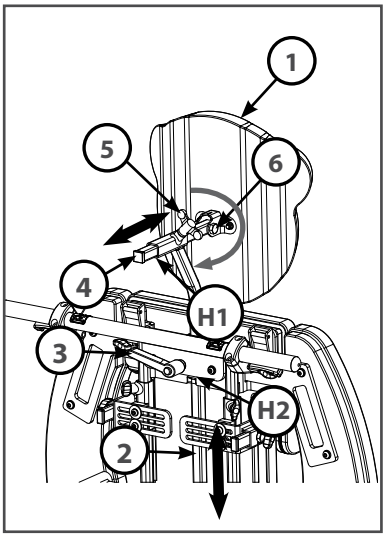
The headrest can be adjusted in height, depth and angle. In addition, the width of the side panels of the 'adjustable headrest' can be adjusted; it also has 3-level adjustability.

WARNING Do not hang any objects on the headrest!
See chapter 'Minimum space around the patient'.

WARNING Beware of the risk of pinching and crushing!

For height adjustment:

- Loosen the clamping lever **[3]** counter-clockwise.
- Adjust the headrest **[1]** to the desired height using the bracket **[2]**
- Tighten the clamping lever **[3]** again clockwise..



For depth adjustment:

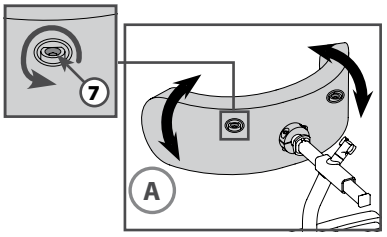
- Loosen the wing screw **[5]** anticlockwise.
- Adjust the depth of the headrest **[1]** using the bracket **[4]**.
- Tighten the wing screw **[5]** clockwise again.

For tilt adjustment:

- Loosen the screws **[6]** anticlockwise.
- Adjust the tilt of the headrest **[1]** by turning it vertically.
- Tighten the screws **[3]** clockwise again.

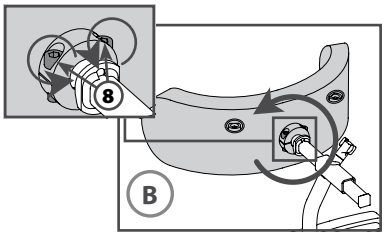
⚠ **WARNING The maximum adjustment is reached when the end of the tube is flush with the guide (H1 or H2).**

To adjust the width (only for adjustable headrests, image A):



- Open the zip on the headrest cover.
- Loosen screws **[7]** anticlockwise.
- Adjust the width of the headrest cheeks individually.
- Tighten screws **[7]** clockwise again.
- Close the zip on the headrest cover.

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



- Loosen screws **[8]** counterclockwise.
- Adjust the headrest to the desired position.
- Tighten screws **[8]** clockwise again..

⚠ **DANGER! Tighten all clamping elements again after each adjustment!**

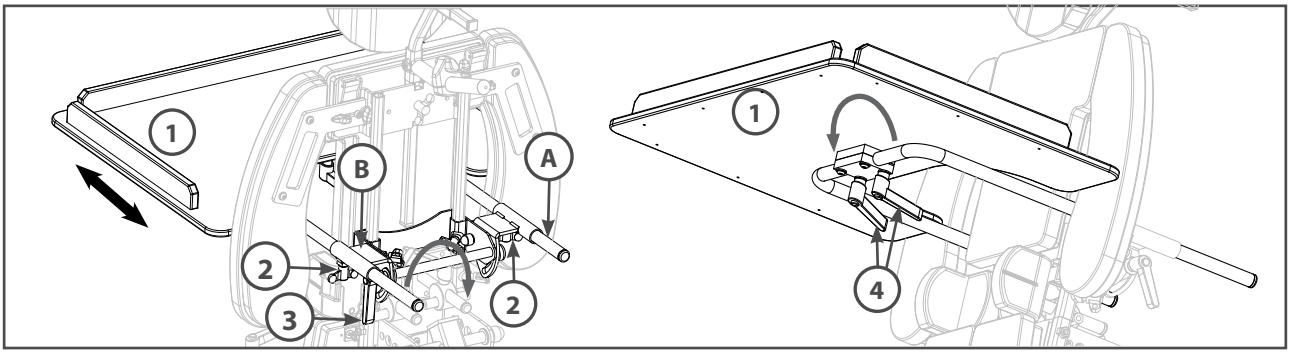
6. Operation/settings of the device and accessories

6.13 Therapy table (optional)

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

WARNING The maximum load capacity of the therapy table is 5 kg!

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



For depth adjustment

- Loosen the wing screw **[2]** anticlockwise.
- Slide the table to the desired depth.
- Tighten the wing screw **[2]** clockwise again.

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

To attach/remove:

- Loosen the wing screw **[2]** anticlockwise.
- To attach: First insert the longer end of the tube **[A]**, then the shorter end of the tube **[B]** into the holder.
- To remove: Pull the table completely out of the holder.
- Tighten the wing screw **[2]** clockwise again..

To adjust the position of the entire table:

- Loosen the clamping lever **[3]** anticlockwise.
- Adjust the position of the therapy table.
- Tighten the clamping lever **[3]** clockwise again.

To adjust the position of the table top

- Loosen the clamping levers **[4]** anticlockwise
- Adjust the position of the therapy table.
- Tighten the clamping levers **[4]** again clockwise.

DANGER! Tighten all clamping elements again after each adjustment!

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6.14 Push bar (optional)

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

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

6.15 Vest

DANGER! All straps must be applied correctly and securely fastened!

DANGER! The straps must not be twisted!

DANGER! Check the straps at regular intervals!

DANGER! The user must be adequately secured/fastened to prevent them from falling out, without restricting their comfort. Do not correct any incorrect body positions by applying excessive pressure. Use of the device without upper body safety elements (e.g. vests) is not permitted!

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

The patient must be securely positioned and secured in an inclined position!

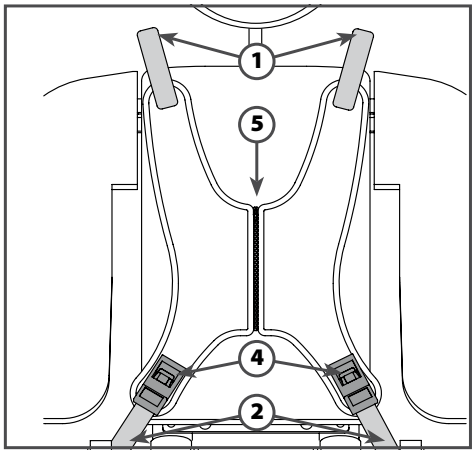
DANGER Always check that the patient's head is in a safe position. The patient must be able to breathe freely!

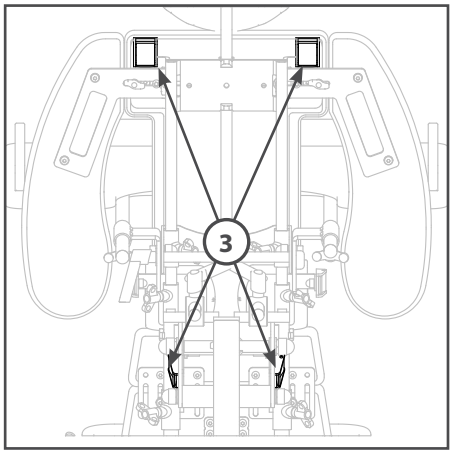
To attach/remove:

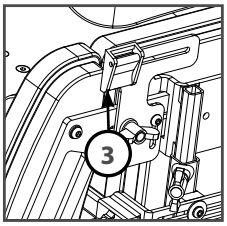
- Open the buckles **[3]**.
- To attach: Pass the shoulder straps **[1]** and **[2]** through the buckles **[3]**.
- To remove: Pull the shoulder straps **[1]** and **[2]** out of the buckles **[3]**.
- Close the buckles **[3]**.

The straps **[1]** and **[2]** can be roughly adjusted by adjusting the straps via the buckles **[3]**. Fine adjustment can be made by adjusting the buckles **[4]**. Once adjusted, the chest shoulder strap should be positioned in the middle of the body. It should fit comfortably but snugly.

Open and close by operating the zip **[5]**.



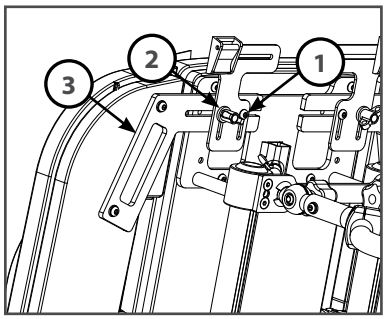




6. Operation/settings of the device and accessories

6.16 Shoulder strap guides

DANGER! Perform all adjustments without the patient or with the stretcher in a horizontal position! When in an inclined position, the patient must always be securely positioned and restrained!



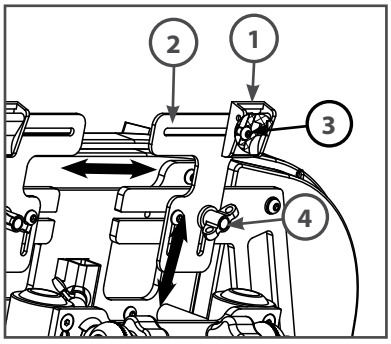
To attach the shoulder strap guides:

- Turn the pan head screws **[1]** and wing screws **[2]** counterclockwise.
- Position the slotted holes of the strap tab on the
- armrest holder **[3]**
- Turn the pan head screws **[1]** and wing screws **[2]** clockwise to tighten.

Repeat all steps in reverse order to remove the guide.

Adjusting the height of the strap tab:

- Loosen the wing screw **[4]** anticlockwise (approx. 1-2 turns).
- Position the strap tab **[2]** at the desired height.
- Tighten the wing screw **[4]** clockwise.



Adjusting the width of the harness strap:

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

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

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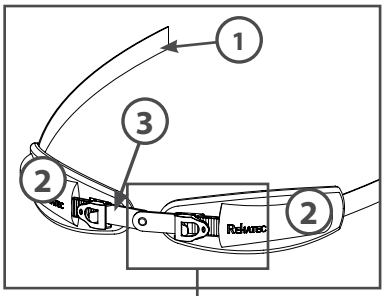
6.17 Pelvi.Loc (optional)

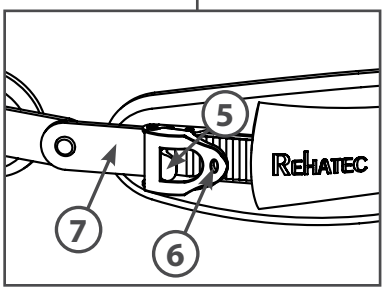
DANGER! All straps must be applied and securely fastened in accordance with requirements!

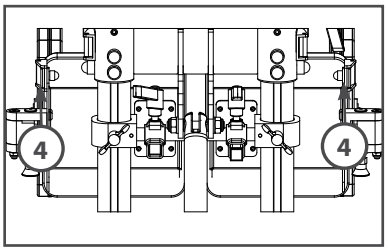
DANGER! Only carry out adjustments when the patient is not on the table or when the table is in a horizontal position! The patient must be securely fastened when the table is in an inclined position!

DANGER! After cleaning, ensure that the PELVI.LOC is functioning correctly!

DANGER! Ensure that there are no objects under the padding! This will prevent painful pressure points.







Assembly / presetting the strap length

Assembling the Pelvi.Loc To attach the Pelvi.Loc, insert the respective strap **[1]** into the folding buckles **[4]** on the pelvic pads or pelvic plate and then secure it accordingly. The belt is adjusted once by means of the adjustment straps **[1]** via the folding buckles **[4]**. Fine adjustment can be achieved using the ratchet fastener **[6]**.

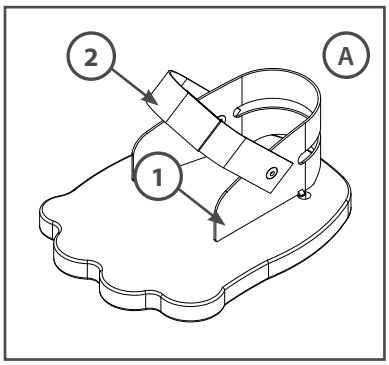
Application

1. To use the PELVI.LOC®, place the pads **[2]** in the pelvic area/hip crease.
2. Then thread the toothed strap **[7]** through the respective ratchet **[5]**. To do this, operate the corresponding ratchet buckle **[6]**. It is also important that the joint of the toothed strap **[3]** is located in the centre of the body.
3. Then tighten the toothed strap **[6]** so that there is still room for a flat hand between the thigh and the pad.
4. Ensure that the snaps **[5]** engage with the teeth of the toothed strap!
5. Perform a tension test! To open the PELVI.LOC®, press the snap **[5]** and pull out the toothed strap **[7]**.

6. Operation/settings of the device and accessories

6.18 Footrests

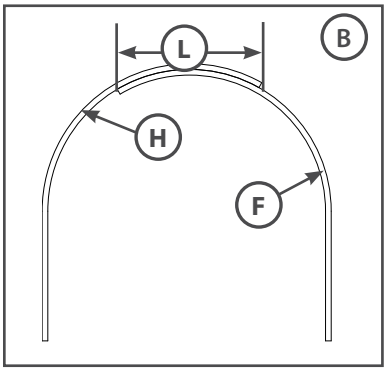
DANGER! Only adjust or open the foot straps when the patient is not on the board or when the board is in a horizontal position! When the board is in an inclined position, the patient must always be securely positioned and restrained!



The footrests **[1]** are used to position the feet firmly on the footboard if necessary and secure them with foot straps **[2]** using Velcro fasteners (Figure A).

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

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



WARNING To ensure that the Velcro fastener (Figure B) is securely fastened, the overlap length [L] of the hooks [H] and loop [F] must be at least half the total hook length!

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

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

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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 Neglected, inadequate or incorrectly performed (using incorrect agents or procedures) cleaning or disinfection can pose a serious risk to the operator and patient!**

⚠ **DANGER Maintenance, cleaning, repair and adjustment work may only be carried out on the device when there is no patient in it!**

⚠ **DANGER The mains plug must be disconnected before any technical work or cleaning processes are carried out on the electrical device!**

⚠ **DANGER When cleaning and disinfecting, completely remove any residues of the agents used to avoid poisoning, irritation and allergic reactions!**

⚠ **CAUTION Do not use abrasive agents or cloths to clean the device!**

⚠ **WARNING Observe the care and safety instructions for using the respective cleaning/disinfectant agents!**

⚠ **WARNING Heavily soiled, cracked, perforated and contaminated foam parts that are adhesively bonded to carrier elements must be replaced. There is no cleaning option for these parts!**

⚠ **CAUTION Do not use cleaning agents containing solvents if these could affect the structure and consistency of wood, wooden surfaces and lacquer coatings, foam/plastics, plastic surfaces (benzene, toluene, acetone, etc.) or metal lacquers and coatings.**

⚠ **WARNING The device must not be used if it has come into contact with moisture. It must then be dried immediately!**

⚠ **CAUTION The product and its accessories are not designed for machine cleaning.**

⚠ **CAUTION The product and its accessories are not designed to be cleaned by spraying and washing with pressure or steam cleaners! High-pressure cleaners must not be used!**

⚠ **CAUTION Germicidal or other irradiation for disinfection purposes must not 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 manufacturer's instructions!**

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

⚠ **CAUTION After cleaning or disinfection, all soft and textile parts must be completely dry before being reattached to the device!**

⚠ **CAUTION The owner of a medical device is solely responsible for cleaning it. Failure to clean the device may void the device warranty and compromise the clinical condition and safety of users and/or caregivers.**

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

7. Cleaning and disinfection

DANGER Follow these instructions and the dosage specified by the cleaning agent manufacturer. CAUTION Connection cables must remain plugged in during cleaning to prevent water from entering. All free sockets must be fitted with blanking 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 or, if this is not possible, protect them from cleaning agents: accessories, cushions/upholstered elements, wooden parts, power supply units (drive, battery and hand control).

To prevent the piston rod from becoming degreased, the drive should be retracted to the smallest stroke and unloaded before cleaning.

See Table **[A]** for the frequency of cleaning and disinfection for various components of the device.

IMPORTANT For information on reuse, see the chapter 'Reuse and patient change'.

Tabelle A: Anwendungshäufigkeit zur Reinigung & Desinfektion

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

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7.3 Thorough cleaning before first use / storage

When unpacking the device, visually inspect all visible surfaces for dirt, damage or foreign substances. Each device must be thoroughly cleaned and disinfected (except for foam pads) before first use.

It is recommended that the device and accessories undergo thorough cleaning at least every 2-3 weeks or as required. For detailed information on the frequency of use, see Table **[A]**.

When selecting the cleaning agent and its dilution, always consult the manufacturer of the cleaning agent in accordance with the material table **[B]** below.

Before storage, the device must be completely cleaned (with all accessories) and disinfected, as it would be for reuse.

When the device is reused, old pads and padded parts must be replaced.

7.4 Cleaning during normal use (including domestic use)

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

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

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

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

Upholstered elements should be washed or replaced as necessary.

Removable foam cushions (without metal parts) and textile fabric covers (not made of imitation leather) are machine washable at max. 40 °C.

Clean the foam padding in a tub/sink with warm water, adding a little detergent and leaving it to soak for approx. 1 hour. Then rinse with clean water and hang up to dry.

The device may only be used again once it is completely dry and clean.

7.5 Cleaning and disinfection between patients

Before the device is used for therapy with a new patient, it must be carefully prepared:

- All hard surfaces that come into contact with the patient must be cleaned and treated with a disinfectant.
- All covers (made of imitation leather) must be cleaned and treated with a disinfectant.

7. Cleaning and disinfection

7.6 Cleaning and disinfection before reuse

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

- All hard surfaces that come into contact with the patient must be cleaned and treated with a disinfectant.
- All covers/straps must be cleaned and treated with a disinfectant.
- If contaminated, all covers, foam elements and existing straps must be cleaned or replaced!
- All PU foam padding cannot be disinfected or washed and must therefore always be replaced with new ones before reuse.

7.7 Selection of cleaning agents or disinfectants

When selecting a cleaning/disinfecting agent and its dilution, always consult the manufacturer of the cleaning agents in accordance with the material table **[B]** below.

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
Buffer	Rubber
Screws, pins, nuts	S -Z/-N, ES
Wooden parts Fine veneer / solid wood	PU lacquer coating
Faux leather covers	PVC compound, BW/P knitted fabric, PU
Textile covers	P, PA
Upholstery parts	PU foam
Strapping	P, PA

Material	Abbreviation
S-P*	Steel, powder-coated**
S-C	Steel, chrome-plated
S-Z	Steel, galvanised
S-N	Steel, nickel-plated
ALU-E	Aluminium, anodised
ES	Stainless iron (stainless steel)
POM	Polyoxmethylen
PTFE	Polytetrafluoroethylene
PU	Polyurethan
PA	Polyamid
P	Polyester
PVC	Polyvinyl chloride compound
TPE	Thermoplastic elastomers
BW	Cotton

(**) – All powder coating materials are epoxy resin/polyester-based.

For example, you can consider 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..

7.8 Cleaning & disinfecting 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 wooden surfaces
- hard plastic surfaces of star handles, wing screws, clamping levers

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, covered and painted wooden surfaces
- hard plastic surfaces of star handles, wing screws,

This is best done with soft cleaning cloths made of paper and microfibre. The disinfectant must not be sprayed directly 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 to prevent liquids from penetrating.

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 & disinfecting covers

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

Alternatively, disinfection can be carried out in a cold fogging system!
Any stains on the faux leather covers should be removed as soon as possible with lukewarm water and a slightly damp cloth, preferably microfibre or cotton. For heavier soiling, warm, mild soapy water and a soft hand brush or soft sponge can be used. The cleaning process may need to be repeated several times.

Then wipe away any remaining cleaning agent 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 conventional CE-certified disinfectant detergent.

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

- Proof of effectiveness at 40°C or higher,
- CE-certified medical device,RKI or VAH listed (recommended),
- Approved in the EU (recommended).
- Chemical cleaning, dry cleaning or bleaching of fabrics is not permitted.

7. Cleaning and Disinfection

Drying is only permitted at low temperatures (gentle cycle) in a tumble dryer. 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.

Pay attention to symbols (see Table C) that can be found on some covers made of different materials!

Table C: Symbols for substances

Symbol	Meaning
	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

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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 are not replaced, 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 all maintenance or inspection work, follow all instructions in the 'Cleaning and disinfection' section!

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

8.1 Maintenance

Before each use, please check the following functions:

- All connection parts and components required for the supply.
- The functions of the brakes. A safe braking function must always be guaranteed.
- Check the LED indication of the control system (see section '5.4 LED indication').
- Check that the battery has sufficient capacity (see section '5.4 LED indicator').
- All visible screw connections are secure and complete.
- The gas pressure spring functions properly when adjusting the angle and can securely fix the reclining board in all positions.
- The electric drives function properly during 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!
- All elements of the harness are secure and complete. 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.

The maintenance requirements are based on the checks listed in section '8.3 Inspection plan'.

DANGER A maintenance interval of 12 months is specified for the device in accordance with the following inspection plan.

8. Maintenance and inspection

8.2 Inspection

IMPORTANT To document the proper condition of the device and to document any abnormalities, malfunctions and defects, use the inspection plan from chapter '8.2 Inspection plan'!

WARNING Ensure that every safety inspection is entered in the test report. The documentation must be kept 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 dealer or the manufacturer's sales department can provide advice if the serial number, device type and date of manufacture are provided.

8.3 Inspection plan

'Upright and Supine Stander Lasse ' model with height and tilt adjustment Size Mini, 1, 2

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.

operator

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	☐	☐	☐	☐	☐	☐
		Inclined adjustment with gas spring	☐	☐	☐	☐	☐	☐
		Height adjustment by electric drive / gas spring	☐	☐	☐	☐	☐	☐
		Plug connections	☐	☐	☐	☐	☐	☐
		Enclosures for electrical components	☐	☐	☐	☐	☐	☐
		Fastening elements	☐	☐	☐	☐	☐	☐
		Cable lines / Bowden cables	☐	☐	☐	☐	☐	☐
		Battery (optional)	☐	☐	☐	☐	☐	☐
		Angle indicator	☐	☐	☐	☐	☐	☐
		Hand switch	☐	☐	☐	☐	☐	☐
2	Foot area	Foot plates	☐	☐	☐	☐	☐	☐
		Foot shells	☐	☐	☐	☐	☐	☐
		Foot strap	☐	☐	☐	☐	☐	☐
		Pointed foot corrections	☐	☐	☐	☐	☐	☐
3	Knee area	Knee pads	☐	☐	☐	☐	☐	☐
		Brackets or knee arches of the knee supports	☐	☐	☐	☐	☐	☐
		Padding and covers for the knee pads	☐	☐	☐	☐	☐	☐
		Split leg rests	☐	☐	☐	☐	☐	☐
		Leg rest brackets	☐	☐	☐	☐	☐	☐
		Upholstery and covers for the leg rests	☐	☐	☐	☐	☐	☐
		Angle adjustment, leg guide	☐	☐	☐	☐	☐	☐
4	Pelvic area	Pelvic pad, split						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐

8. Maintenance and inspection

Item	Assembly		Settings & functions		Damage & deformation		Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
		Basin plate, continuous						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Lateral guide pads						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		Abduction adjustment						
		- Brackets / tooth segments	☐	☐	☐	☐	☐	☐
		Pelvi.Loc pelvic belt						
		- Fastening and closure	☐	☐	☐	☐	☐	☐
6	Back area	Back supports						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Lateral guide pads						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Armrests						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Upholstery and covers	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Handle / sliding bow						
		- Brackets	☐	☐	☐	☐	☐	☐
		- Lenkerabdeckung (optional)	☐	☐	☐	☐	☐	☐
		- Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		- Release lever	☐	☐	☐	☐	☐	☐
		Bodice						
		- Zip fastener	☐	☐	☐	☐	☐	☐
		- Fastening and straps	☐	☐	☐	☐	☐	☐
7	Table area	Brackets	☐	☐	☐	☐	☐	☐
		Wooden parts	☐	☐	☐	☐	☐	☐
		Fastening/clamping elements	☐	☐	☐	☐	☐	☐

Item	Assembly		Settings & functions		Damage & deformation		Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
7	Headrests	Brackets	☐	☐	☐	☐	☐	☐
		Upholstery and covers	☐	☐	☐	☐	☐	☐
		Fastening/clamping elements	☐	☐	☐	☐	☐	☐
		Reset adapter	☐	☐	☐	☐	☐	☐

Notes for any repairs and further maintenance:

Inspection carried out on

Inspection carried out by

Signature

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 stickers on the product are not damaged during reprocessing! The safety information must be 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 of 8 years! Continued use after the end of the service life 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 reusing the device.

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 height and tilt adjustment Size Mini, 1, 2

Adjustment				
Operating temperature	+10 °C to +35 °C			
Humidity	30% to 70% (non-condensing)			
Air pressure	700 hPa bis 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 (optional)				
Protection class	II			
Degree of protection	BF			
U (In)	100-240 VAC, 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			
Power at rest	Up to 0.8 W			
SMPS power	200 W			
Battery / TYPE	Lithium-ion battery			
Battery / Nominal voltage	25,7 V			
Battery / Capacity	2,85 Ah / 73,25Wh			
Battery / Charging time	~10 hours (simultaneous use of the device is possible)			
Protection class IP according to DIN EN 60529 (optional)				
Control box	IPX6			
Drives for height adjustment	IPX6			
Manual control	IPX4			
Battery module	IPX6	Allgemein für das Gerät		MIN IP22
Functional data				
Max. Patient weight	Base frame	Size Mini	Size 1	Size 2
	with height adjustment	30 kg	45 kg	45 kg
	without height adjustment	X	X	X
Angle of inclination		0° to 90°		
Adjustment		2 buttons on hand control		

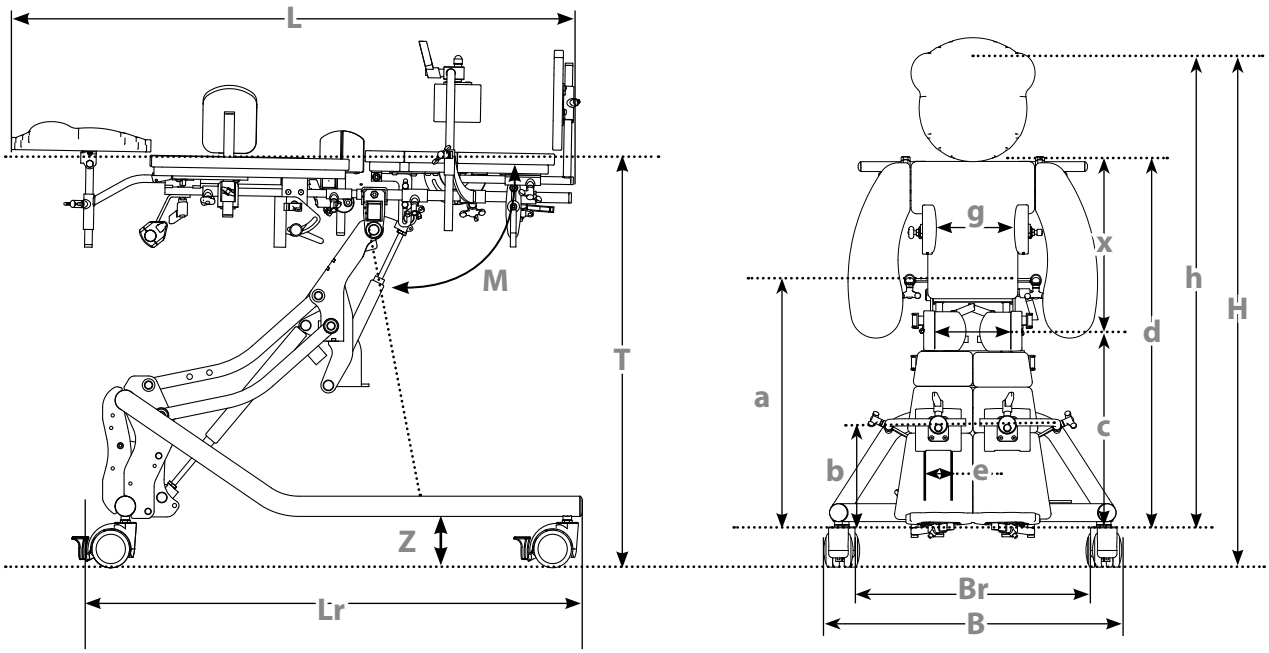
10. Technical data

Service				
Maintenance		See the 'Service and Maintenance' section in the operating instructions.		
Weight				
Total weight	Base frame	Size Mini	Size 1	Size 2
(for basic equipment)	with height adjustment	37 kg	41 kg	47 kg
	without height adjustment	X	X	X
transport dimensions				
[Width] x [Length] x [Height]	Base frame	Mini	1	2
(for basic equipment)	with height adjustment	66,5x101x80	66,5x107x82	66,5x130x82

10.2 Mechanical and anthropometric data

Upright and Supine Stander Lasse

Model with height and tilt adjustment Size Mini, 1, 2



Size	rolls	Z	Br	B	Tmin/max	W	Lr
General	Ø75 mm	10 cm	53 cm	66.5 cm	60,5/81,5 cm	Bis 90°	101 cm
	Ø100 mm	14.5 cm	54 cm	66 cm	65 / 86 cm		

a- 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! Adjustment limits a, b, c, x, d, e, f and 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 are shown for the following configuration:
with standard footrest brackets, without pointed foot correction

Size	a, cm	b, cm	c, cm	x, cm	d, cm	e, cm	f, cm	g, cm	h, cm	L, cm	H**, cm
Mini	45-60	15-30	32-50	30-35	62-85	5-6	12-20*	12-22 (15-32)*	~65-95	101	~118
1	45-70	23-40	35-60	35-42	70-100	5-8	14-34*	15-32 (10-22)*	~75-115	107	~135
2	62-80	20-40	50-70	45-52	95-120	7-11,5	20-45*	15-32 (12-28)*	~100 -135	130	~142

Dimensional tolerances ±3%

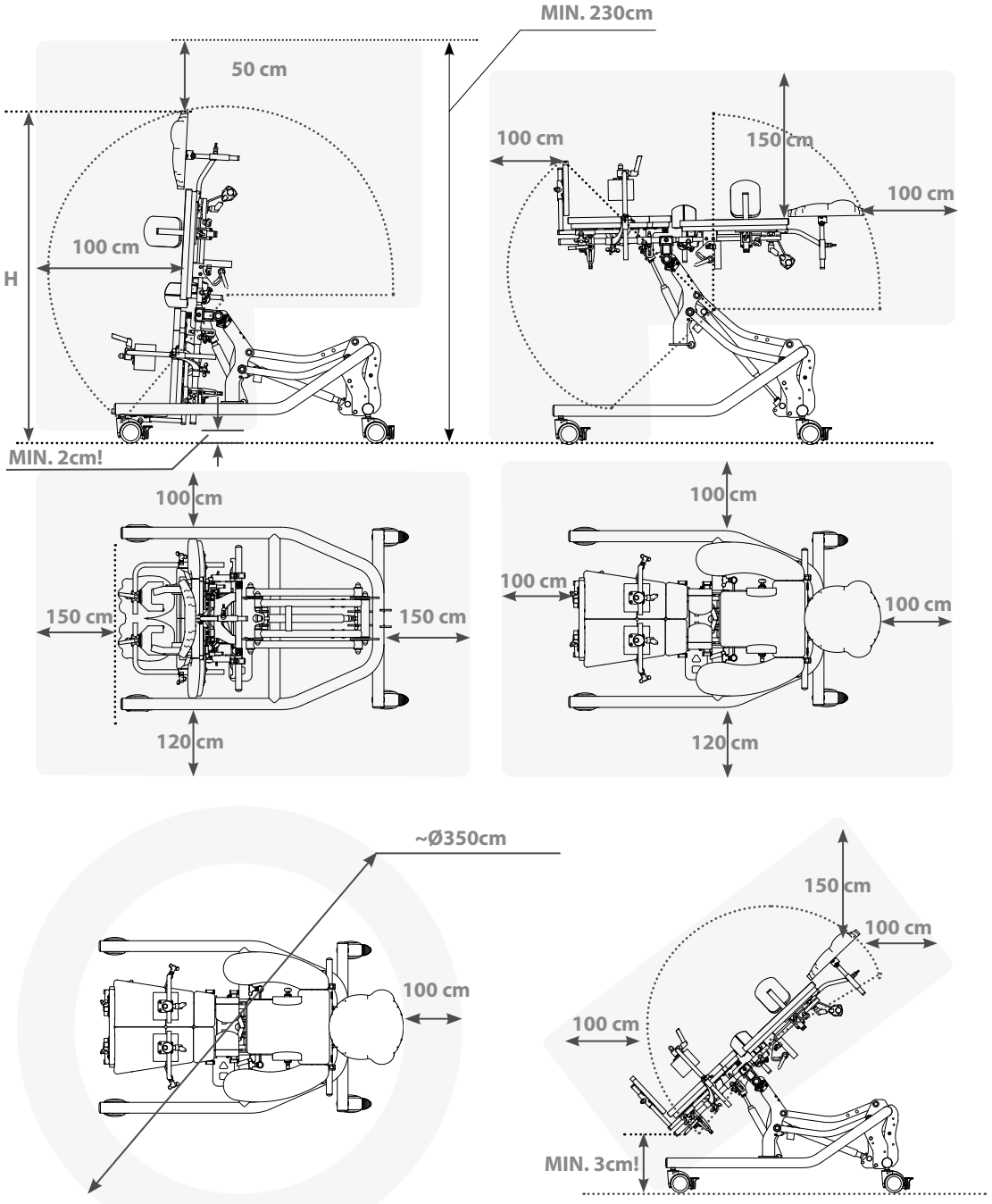
(*) – with special accessories
(**) – with castors 100 mm Ø + 4.5 cm

10. Technical data

10.3 Minimum space requirements for the patient environment

Upright and Supine Stander Lasse

The areas marked in grey are required free spaces that are necessary for a safe patient environment and convenient operation of the device.



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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	

Interference with other devices

The use of drive systems next to or on other devices should be avoided, as this may cause malfunctions. If such use is necessary, the drive system and other devices should be monitored 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.

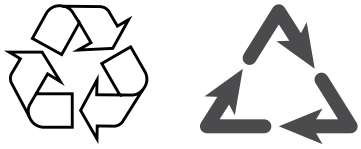
Portable RF communication devices (including peripherals such as antenna cables and external antennas) should not be used closer than 30 cm (12 inches) to any part of the drive system, including the cables specified by the manufacturer. Failure to do so could result in poor performance of the device.

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 Mini, 1, 2
Model name

Serial number

Date of purchase

Dealer's stamp and signature

notes

notes

notes

REHATEC®

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