

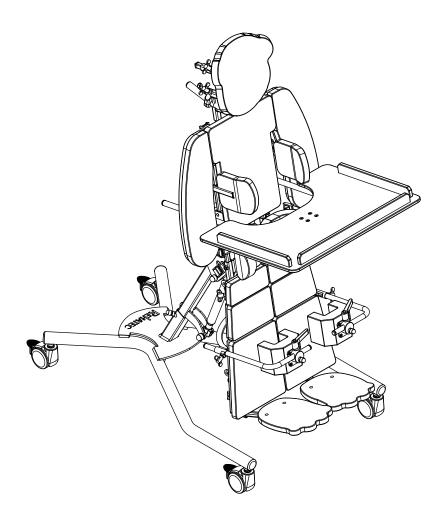
## **Upright and Supine Stander Lasse**

Model with tilt adjustment - sizes Mini, 1 and 2

INSTRUCTIONS FOR USE

SERIAL NUMBER:

English









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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 quickly and easily in various 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 differ slightly from your product due to individual configuration options. Rehatec® GmbH reserves the right to make 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!**

TThese instructions for use provide information and guidance on the setup, commissioning, operation, use, maintenance, inspection, care, and re-use of the device. They also include important safety instructions and usage restrictions designed to protect the patient, the operator, and third parties.

Please read these instructions carefully before using your new device for the first time. Individuals with sensory, cognitive, or learning impairments may require the content to be adapted for better understanding. This can be achieved, for example, by reading the text aloud, simplifying the language, or providing additional explanations from a third party.

The operator must have read and fully understood these instructions before using the device. To ensure patient safety, the operator must not have any impairments that could temporarily or permanently affect attention or judgment.

Keep this manual readily available for future reference and ensure that it remains with the product if it is transferred to another user. If required, Rehatec® GmbH will gladly provide a replacement copy. The instructions can also be viewed and downloaded from our website at www.rehatec.com

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### 1. Safety

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

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

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.

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 Instructions**

N Stop treatment immediately and discharge the patient if you notice anything unusual.

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

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 use within the specified conditions! See chapter "TECHNICAL DATA".

DANGER! After each transport in a car, prolonged storage and before reuse of 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 or 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 clearance around the patient".

DANGER! Hanging lights/cables may pose a risk of electric shock! See the section entitled "Minimum space requirements in the patient's environment".

MARNING! Additional safety instructions for individual points in the section entitled "Device" settings" must be observed carefully!

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

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

DANGER! Take care when adjusting the angle of inclination with a patient on board 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). DANGER! The operator must not have any impairments that temporarily or permanently restrict their attention and judgement!

DANGER! The device has many moving parts! Take care not to accidentally trap your hands or feet between the moving parts!

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

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 be taken into account at all

A DANGER! It is not permitted to operate the incline adjustment with patients without the parking brakes activated!

/N DANGER! The device is only approved for use by one person!

/N 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!

/N DANGER! The Upright and Supine Stander Lasse 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!

A 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 Upright and Supine Stander Lasse 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! Protect the device from moisture! If it comes into contact with moisture, dry it immediately.

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### 1. Safety

NCAUTION! 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 firecausing objects.

DANGER! The device is only to be used for therapeutic purposes! It must not be regarded or used as a patient lift for further transport or as a ladder!

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

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.

DANGER! The standing device contains small parts (e.g. pipe 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! The padding, wooden and plastic parts installed on the device are not reliably flameretardant. They are flammable, e.g. by smoking accessories, ovens, stoves, fireplaces and other room heating devices.

/NOTION DANGER! Adjustment ranges must not be exceeded. A secure connection of the parts must be

DANGER! Perform maintenance at the specified intervals (see chapter "Maintenance").

DANGER! Repair and adjustment work, cleaning or disinfection must only be carried out when there are no users in the device.

DANGER! The maximum permissible patient weight must not be exceeded! See the "Technical Data" chapter or the type plate!

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

NOTION DANGER! Perform an annual inspection for damage and wear.

DANGER! Pay attention to unusual noises, uneven operation or changes in stability.

### 2. Symbols

#### 2.1 Symbols and signs on the product

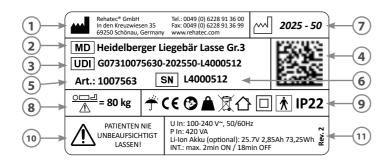
1	3	Follow the instructions for use!
2	仚	Only suitable for indoor use.
3	***	Manufacturer
4	$\sim$	Date of manufacture (week/year)
5	CE	CE mark
6		Maximum permissible patient weight
7	<u>^</u>	Maximum permissible nominal load
8	X	Battery/device disposal
9	SN	Serial number
10	MD	Medical device
11	UDI	Unique identifier of a medical device
12	今	Protect the product from moisture.
13	$\triangle$	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	$\bigcap_{\mathbf{i}}$	Instructions for use
17	$\dot{\boldsymbol{\Lambda}}$	Type BF medical device
18		Class II device
19	IPN <sub>1</sub> N <sub>2</sub>	Protection class: N1 – degree of protection against foreign objects and contact

### 2. Symbols

#### 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, contraindications and risks

The Upright and Supine Stander Lasse can be used for the following indications. The device may be indicated 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.

t may also be used 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 muscle diseases (e.g. Guillain–Barré syndrome, muscular dystrophies).

In addition, the device may be suitable for patients with complete or incomplete paralysis of the legs (paraplegia or paresis), with or without trunk involvement, resulting from spinal cord injuries or diseases (e.g. traumatic, inflammatory, or tumour-related thoracic and lumbar spinal cord lesions) or peripheral nervous system and muscular disorders (e.g. polyneuropathy, muscular dystrophy)

### 3. General information

Before using the standing system, a doctor should be consulted to determine whether there are any contraindications. The indications for use must be monitored by a doctor or therapist at regular intervals. As a general rule, any type of pain is a contraindication!

Depending on the clinical picture and therapy, a doctor or therapist must be consulted to determine how long a patient can remain in the standing device. The following symptoms may occur: circulatory problems, pain in the legs and/or back, increased spasticity, seizures. Use of the device in patients with scoliosis should only be considered after consultation with the attending physician.

Many patients can initially only stand in a bent position and can only be fully stretched later. Never correct posture by force or applying strong pressure.

The device does not correct poor posture and is also not suitable for growth guidance.!

#### 3.4 Responsibility

The operator is responsible for:

• the intended use according to the operating instructions and other information in this user manual the necessary regular inspection and maintenance of the standing device. (For information on maintenance intervals, see section "8.1 Maintenance and inspection"). compliance with the prescribed maintenance intervals.

The user is responsible for:

- the necessary regular cleaning and maintenance, as well as inspection before each use of the 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 system upgrades may only be performed by authorised persons!



IMPORTANT *Rehatec*\* *GmbH* will only provide a warranty if the product is used for its intended purpose under the specified conditions 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 Germany is the BfArM!

#### 3.5 Intended use



WARNING Read the chapter "Technical Data" for important conditions of use!



DANGER! Proper use requires strict adherence to 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 injury.
- Suitable straps 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" device is designed for use indoors at ambient temperatures between 15°C and 35°C. Use in wet areas is not permitted. The device must also be kept away from heat sources and strong sunlight – risk of burns! Failure to observe this may result in considerable damage and endanger both the user and the assistant.

The device must not be used indoors.:

- with very high humidity of over 70%
- that are part of 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 as a patient lift or for patient transport.

This product is designed exclusively for use by knowledgeable users who have been trained 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 a specific therapeutic or diagnostic purpose. The user determines the appropriate use.

In order to ensure safe and successful operation for users of *Rehatec® GmbH* devices, all instructions, precautions and information in the operating instructions must be observed.

#### 3.6 Declaration of conformity

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

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..



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

#### 3.8 Service/complaints

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

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

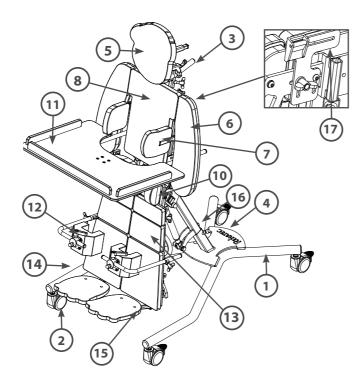
### 4. Product and delivery overview

#### 4.1 Scope of delivery and basic equipment

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

#### Upright and Supine Stander Lasse, size Mini, 1.2: Standard model with manual tilt

- 1 Base frame with centre column
- **2** Transport castors
- 3 Handle with release lever
- **4** Type plate
- **5** Headrests
- **6** Armrests
- **7** Side guide pads
- 8 Backrest
- 9 Undershirt (not pictured)
- **10** Pelvic pad
- 11 Therapy table
- 12 Knee pads
- 13 leg insertion
- **14** Footplates
- **15** Footrest
- 16 Gas spring for tilt adjustment
- **17** Shoulder strap guides





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

Basic equipment Lasse Size Mini, 1 and 2 (model with standard frame)
Base frame with 75 mm transport castors, tilt adjustment via gas spring
Backrest with shoulder strap guides
Pelvic pads, split
Split leg rests, without angle adjustment
Split footplates
Undershirt
Reset adapter for headrest
Knee pads
headrest

#### **4.2** Accessories

Accessories are parts or components that are not included in the basic configuration of your recliner.

We recommend ordering any accessories you require 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.

You can optionally purchase the following accessories:

- Wall and furniture protection
- Headrests (bear-shaped, shell-shaped, adjustable, etc.)
- Harness (Pelvi.Loc/vest)
- Side support pads (swivelling/removable)
- Continuous pelvic plate (for sizes 1 and 2)
- Armrests
- Therapy table (standard/with therapy recess)
- Knee pads (standard/anatomical)
- Angle-adjustable leg guides
- Abduction adjustment
- Angle-adjustable foot support
- · Pointed foot correction
- Stop (adjustment ring) Knee depth adjustment
- Foot shells with foot straps
- Transfer bar

#### 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:

Telefonnummer: +49 (0) 6228 - 91 36 - 0

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

The serial number is located on the type plate (see section "2.2 Type plate on the device")..



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

DANGER In the event of defects, damage or modifications, the device 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!

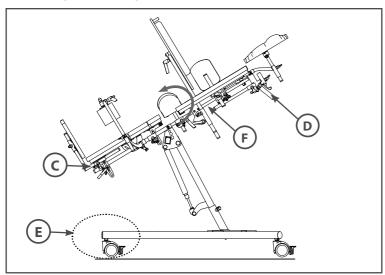
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### 5. Operation

#### 5.1 Device and patient transport



CAUTION! Risk of accident! Before transport, the patient must be secured against accidental falling out by means of straps and knee pads.



For safe and comfortable transport of the device and patient, adjust the horizontal position of the stretcher or a transport position. To do this:

- Activate the corresponding release lever to tilt the backrest. A comfortable and safe angle of inclination for transport is possible at approx. 45 degrees.
- Use the holding and pushing points [C], [D] and (F) for product transport..

For more information on tilt, see the chapter "Adjusting the device, tilt adjustment".

To transport patients in a standing position from the backboard, first adjust the backboard to as horizontal a position as possible. Be aware of possible collisions with the floor or fixed parts in area [E]. See the chapter "Tilt adjustment" (all brakes must be activated). Use the holding or pushing points (F) for product transfer.



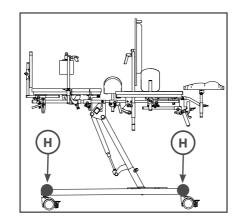
CAUTION! Risk of tipping! When pushing in a standing position, always use the points mentioned to ensure a safe transfer. It is not permitted to push the device above the hips or on the back!



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

For safe and convenient transport of the device:

- 1. Set the reclining board to the highest position.
- 2. Grasp the device on the right and left at the front and rear at the holding points (H) and lift it simultaneously with two people..



#### 5.2 commissioning



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

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

Before the patient can be positioned in the Lasse, the device is adjusted to the patient's needs. The exact descriptions of individual adjustment options to 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:

- The Bowden cable is free of defects and securely mounted.
- The gas spring has no oil leaks and the frame has no visible defects.
- All screw connections have the necessary counterparts and are securely fastened.
- Frame components and transport rollers are free of cracks and are not deformed.
- Transport rollers are all securely attached and parking brakes function properly.
- All available clamping elements of positioning elements (e.g. knee pads, footboard) are available and functional
- · All contact surfaces are dry and uncontaminated.
- All folding shells are securely attached and guarantee reliable belt tension.
- The tilt adjustment works and the stretcher board can be fixed in all positions.
- Vests/straps are free of defects. The plug connections and the zip fastener work securely.

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Before the Upright and Supine Stander Lasse is 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:



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



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



WARNING: 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 your doctor:

- Disease-specific use of the device (contraindications).
- How long may the patient 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 adjusted without a patient or in a horizontal position.



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

#### **6.1 Transport castors**

The four castors are equipped with parking brakes.



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



WARNING When using the device, only wear closed shoes with a sturdy toe cap!



WARNING To prevent accidental rolling away, all four transport rollers should be locked.

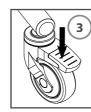
**Locking the castors:** press the lock downwards (figures 1 and 3).

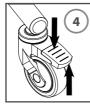
**Releasing the castors:** press the lock upwards with the tip of your foot (figure 2).

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

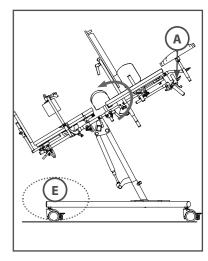


DANGER! Be careful when adjusting the angle of inclination with a patient using gas springs. You must expect additional forces to be required in both directions (e.g. forwards or upwards).

To adjust the angle, press the release lever [A] and simultaneously pull the handle in the desired direction. Once the desired angle has been reached, release the release lever [A] from the gas pressure spring.



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



#### **6.3 Split footplate**

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



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



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

#### For height adjustment:

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



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



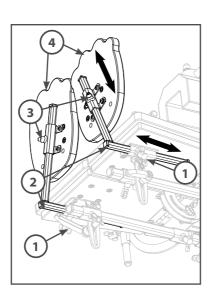
DANGER! The maximum adjustment is reached when the pipe ends are flush with the guides!

#### For depth adjustment:

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



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



#### **6.4 Pointed foot correction (optional)**

The three-dimensionally adjustable ball joints (optional for your device) feature 3-level adjustment, allowing you to adapt the device to the position of your feet.



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

#### For 3-level adjustment:

- Loosen the 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:

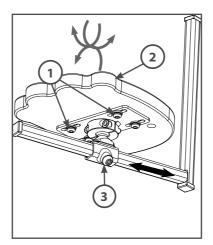
- Loosen the grub screw [3] anticlockwise.
- · Adjust the depth of the base plate [2].
- Tighten the grub screw [3] clockwise again.



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.



#### 6.5 leg rests

The leg rests can be adjusted in height and overall angle.

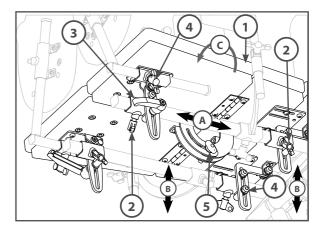


DANGER! Only carry out all adjustments without patients or with the stretcher board in a horizontal position!



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

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



#### For height adjustment [A]:

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

#### For overall angle adjustment [B]:

- $\bullet$  Loosen the clamping lever [3] and nuts [4] in an anticlockwise direction.
- · Adjust the leg rest to the desired overall angle using the brackets.
- Loosen the clamping lever [3] and nuts [4] in an anticlockwise direction..



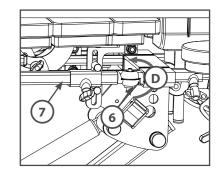
You can also loosen the wing screw [2] to change the width between the brackets if the brackets collide with other parts.

#### For knee angle adjustment [C] optional:

Wing screws [5]. The abduction adjustment (optional on your device): allows the leg supports to be adjusted to the lateral angle of the legs.

#### 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 [7].
- Tighten screw [6] again by turning it clockwise so that all hinges grip the tubes firmly.





DANGER! Tighten all clamping elements again after making any adjustments!



CAUTION! Check for possible collisions after making all adjustments to the leg and foot supports before use!

#### 6.6 backrest

The backrest [1] can be adjusted in height to suit the user's upper body



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



**CAUTION!** Beware of the risk of trapping and crushing!

#### For height adjustment without abduction adjustment:

- · Loosen the grub screw [2] on both sides of the device by turning it anticlockwise.
- Adjust the backrest [1] to the desired height.
- Tighten the grub screw [2] on both sides of the device again by turning it clockwise..



DANGER! The maximum adjustment is reached when at least 8 cm of the pipe ends remain in the guides!



DANGER! Tighten all clamping elements again after each adjustment!

#### For height adjustment with abduction adjustment:

- First loosen the lock nuts [3] on both sides of the device and then loosen the grub screw [4] anticlockwise.
- Adjust the backrest [1] to the desired height.
- Then tighten the grub screw [2] first, followed by the lock nuts [3] on both sides of the device in a clockwise direction. At the same time, secure the screws with an Allen key to prevent them from turning.



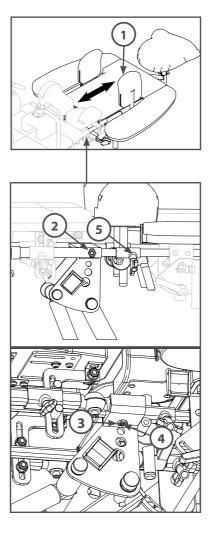
DANGER! The maximum adjustment is reached when the pipe ends are flush with the guides!



DANGER! Tighten all clamping elements again after each adjustment!



You can also adjust the height of the pelvic pads using wing



#### 6.7 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!



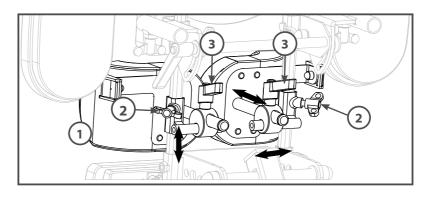
WARNING Beware of the risk of pinching and crushing!



DANGER! Tighten all clamping elements again after making any adjustments!



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



#### For height adjustment:

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

#### For angle and depth adjustment:

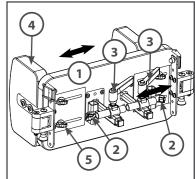
- Open the clamping levers [3] counterclockwise.
- Set the desired height and angle of the pelvic plate/pelvic pads [1].
- Tighten the clamping levers [3] again clockwise.

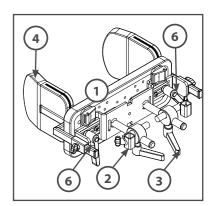
#### For width adjustment of the side pads:

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



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





#### 6.8 Knee pads

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



DANGER! Only make adjustments when the patient is not present or when the stretcher is in a horizontal position!



The patient must be securely fastened in an inclined position!



DANGER! The device must not be used without the knee pads being securely fastened!



**CAUTION! Beware 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 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] again clockwise.
- Follow the steps below to adjust the position of the knee pads [1].

#### For height adjustment:

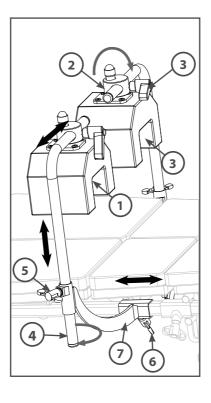
- Loosen the wing screw [5] anticlockwise.
- Set the desired position of the knee pads [1] using the tube [4].
- Tighten the clamping lever [6] clockwise again.

#### For angle/width adjustment:

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



DANGER! Tighten all clamping elements again after each adjustment!



#### 6.9 Side guide pads (optional)

The lateral support pads guide the position of the chest.



WARNING Beware of the risk of pinching and crushing! WARNING Only carry out all adjustments with the reclining board in a horizontal position!

#### For swivelling

(only for the 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] engages automatically.

#### For removal/installation and depth adjustment

(only for the removable side guide pads):

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

#### For width adjustment (all variants):

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



Before adjusting the width, the armrest settings must also be

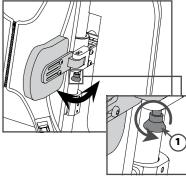
#### For height adjustment (all variants):

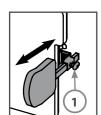
- Loosen the wing screw [3] anticlockwise.
- Remove/attach the side guide pad
- Tighten the wing screw [3] clockwise again..

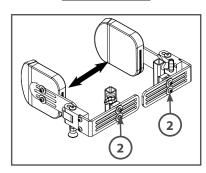
#### For depth adjustment

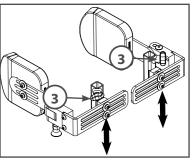
(only for the swivelling side guide pads)

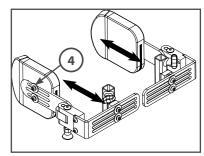
- · Loosen both screws [4] anticlockwise.
- · Adjust the width of the side guide pad.
- Tighten both screws [4] clockwise again.











#### 6.10 Armrests (optional)



WARNING Beware of the risk of pinching and crushing! WARNING Only carry out all adjustments with the reclining board in a horizontal position!

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

#### For width adjustment without strap fastening (Figure A):

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

#### For width adjustment with strap fastening (Figure B):

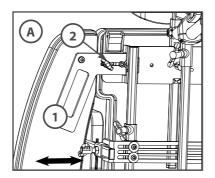
- Loosen the wing screw [2] and screws [3] anticlockwise.
- Adjust the width of the side guide pad.
- Tighten the wing screw [2] and screws [3] clockwise again.

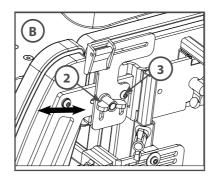


WARNUNG Die maximale Verstellung ist erreicht, wenn die Unterlegscheibe der Schraube [2] bündig mit der Kante des Bleches abschließt.



GEFAHR! Ziehen Sie nach jeder vorgenommenen Einstellung alle Klemmelemente wieder fest!





#### 6.11 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 side bolsters of the "adjustable headrest" can be adjusted in width; it also has 3-level adjustability.



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

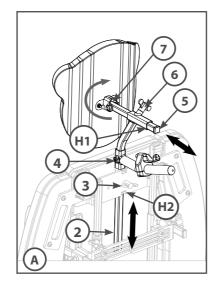
WARNING Beware of the risk of entrapment and crushing!

#### For height adjustment – standard version (Figure A):

- Lösen Sie die Flügelschraube [3] und die Madenschraube [4] gegen den Uhrzeigersinn.
- Stellen Sie die Kopfstütze [1] mit Hilfe der Halterung [2] auf die gewünschte Höhe ein. Die Position des Griffs sollte unverändert bleiben.
- Ziehen Sie die Flügelschraube [3] und die Madenschraube [4] wieder im Uhrzeigersinn fest.

#### For height adjustment - with adapter (image B):

- Loosen the wing screw [8] and grub screw [4] anticlockwise.
- Adjust the headrest [1] to the desired height using the bracket [2]. The position of the handle should not be changed.



• Tighten the wing screw [3] and grub screw [4] clockwise again.

#### For height adjustment - with sliding bow (image C):

- · Loosen the clamping lever [9] anticlockwise.
- Adjust the headrest [1] to the desired height using the bracket [2].
- Tighten the clamping lever [9] clockwise again..

#### For depth adjustment (all configurations)):

- · Loosen the wing screw [6] anticlockwise.
- Adjust the depth of the headrest [1] using the bracket [5].
- Tighten the wing screw [6] clockwise again.n

#### For tilt adjustment (all configurations):

- Loosen the screws [7] anticlockwise.
- Adjust the angle of the headrest [1] by turning it vertically.
- Tighten the screws [7] again clockwise..



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



DANGER! Tighten all clamping elements again after each adjustment!

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

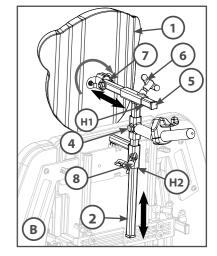
- Open the zip on the headrest cover.
- Loosen the screws [10] by turning them anticlockwise.
- Adjust the width of the headrest cheeks individually.
- Tighten the screws [10] again by turning them clockwise.
- Close the zip on the headrest cover.

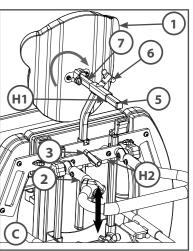
#### For 3-level adjustment (only for adjustable headrest, image E):

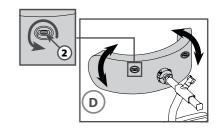
Loosen the screws [11] anticlockwise.
 Adjust the headrest to the desired position.
 Tighten the screws [11] clockwise again.

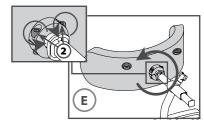


DANGER! Tighten all clamping elements again after each adjustment!









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#### 6.12 Push bar (optional)

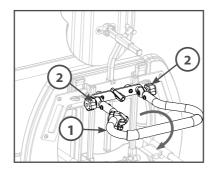
The angle of the push bar is adjustable.



WARNING Beware of the risk of pinching and crushing! DANGER! Tighten all clamping elements again after each adjustment!

#### For angle adjustment:

- Loosen both star handles [2] anticlockwise until all tooth segments can move freely.
- Move the sliding bow [1] to the desired angle.
- Tighten both star handles [2] clockwise again so that all tooth segments mesh with each other..



#### 6.13 Therapy table (optional)

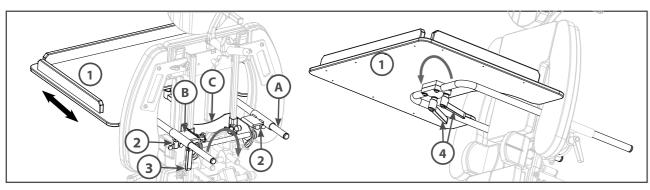
The therapy table can be continuously adjusted in depth and angle to suit the user's position.



WARNING The maximum load on 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.
- · Move the table to the desired depth.
- Tighten the wing screw [2] again clockwise.



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

#### For attaching/removing:

- 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] again clockwise.

#### To adjust the position of the entire table:

- · Loosen the clamping lever [3] by turning it anticlockwise.
- Adjust the therapy table to the desired position.
- Tighten the clamping lever [3] again by turning it clockwise.

#### For adjusting the position of the tabletop

- Loosen the clamping levers [4] by turning them anticlockwise.
- Adjust the therapy table to the desired position.
- Tighten the clamping levers [4] again by turning them clockwise.



DANGER! Tighten all clamping elements again after each adjustment!



In the special settings for table height, the table mount [C] can be turned upside down to change the direction of the position adjustment.

#### 6.14 undershirt



DANGER! All harnesses must be put on correctly and fastened securely!



DANGER! The straps must not be twisted!



 ${\bf DANGER!}\ {\bf Check\ the\ harnesses\ at\ regular\ intervals!}$ 



DANGER! The user must be adequately secured/protected against falling out without compromising 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!

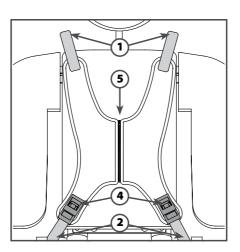


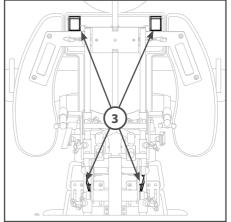
DANGER! Only carry out all adjustments without the patient or with the stretcher in a horizontal position!

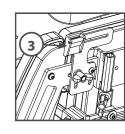
When in an inclined position, the patient must be securely positioned and secured!



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







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#### For attaching/removing:

- · Open the buckles [3].
- To attach: Thread 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 belt [1] and [2] can be roughly adjusted by adjusting the straps using the folding buckles [3]. Fine adjustments can be made using the plug 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 pulling the zip [5]..

#### 6.15 Shoulder strap guides



DANGER! Only make adjustments when the patient is not on the stretcher or when the stretcher is in a horizontal position! When the stretcher is in an inclined position, the patient must always be securely positioned and restrained!

#### For attaching the shoulder strap guides:

- Turn the pan head screws [1] and wing screws [2] counterclockwise.
- Position the slotted holes of the strapping bracket 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:

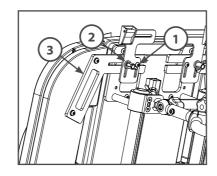
- Loosen the wing screw [4] and turn it counterclockwise (approx. 1-2 turns).
- Position the harness strap [2] at the desired height.
- Tighten the wing screw [4] clockwise..

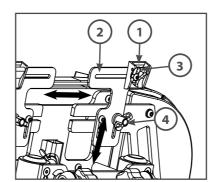
#### Adjusting the width of the strap:

- Open the folding buckle [1] upwards and loosen the pan head screw
   [3] or nut from the other side by turning it 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!





#### 6.16 Pelvi.Loc (optional)



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



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

The patient must be securely fastened when the board is in an inclined position!



DANGER! After cleaning, ensure that the PELVI.LOC!

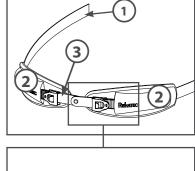
DANGER! Ensure that there are no objects under the padding! This will prevent painful pressure points.

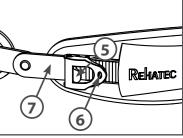
#### Assembly / Presetting the belt length

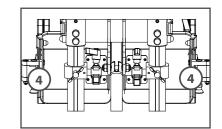
Fitting the Pelvi.Loc To attach the Pelvi.Loc, you must insert the respective strap [1] into the folding buckles [4] on the pelvic pads or pelvic plate and then secure it accordingly. The strap is adjusted once by means of the adjustment buckles [1] on the folding buckles [4]. Fine adjustments can be made using the ratchet fastener [6].

#### Application

- 1. To use the PELVI.LOC®, place the pads [2] in the pelvic area/hip crease.
- 2. Then 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 enough space for a flat hand between the thigh and the padding.
- 4. Ensure that the snap hooks [5] engage with the teeth of the toothed strap!
- 5. Perform a tension test! To open the PELVI.LOC®, press the snap fastener [5] and pull out the toothed strap [7].







#### **6.17 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 when 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 (Figure B), first place and hold the strap with the upper hooks [H] in the desired position, then place the other strap with the Velcro [F] on top with a little tension and press it lightly along the entire overlap length [L].



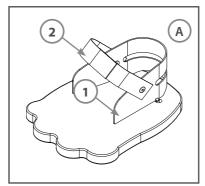
WARNING To ensure that the Velcro fastener (Figure B) is securely attached, the overlap length[L]. of the hooks [H] and loops [F] must be at least half the total hook length!

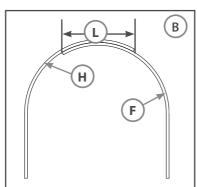


WARNING If available, the patient should only stand in the device with appropriate footwear.



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.





### 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 Sicherheitshinweise zur Reinigung und Desinfektion



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 with the patient removed from the 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 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 If the device comes into contact with moisture, it must not be used. 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 for cleaning by spraying and washing with pressure or steam cleaners! High-pressure cleaners must not be used!



CAUTION No germicidal or other irradiation may be used for disinfection if the irradiation has a direct effect on wood, plastics and metals and their surfaces and coatings.



CAUTION The cleaning agents and disinfectants may only be diluted in accordance with the instructions of the respective manufacturers!



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 dried before
 being reattached to the device 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 Follow these instructions and the dosage specified by the cleaning agent manufacturer.

CAUTION Connection cables must remain plugged in during cleaning to prevent water ingress. All free sockets must be fitted with blanking plugs!



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

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### 7. Cleaning and disinfection

#### 7.2 General cleaning and disinfection process

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 its smallest stroke and unloaded before cleaning.

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



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Important information on reinsertion can be found in Chapter 9, "Reinsertion and patient change".

#### Table A: Frequency of use for cleaning and disinfection

Device components	Daily	Weekly	Monthly	Annually	Patient change	Complete cleaning	Reuse
Control elements: clamping elements, release/brake levers, push handle, etc.	0	0	0	+	0	+	+
Armrests, footrests, tables, wheel guards or similar fixed contact surfaces	0	0	+	+	+	+	+
Handheld switch (remote control)	0	0	0	+	0	+	+
Drives (e.g. pump/gas pressure spring/motor)	-	-	0	+	-	+	+
Transport rollers	_	_	0	+	0	+	+
Textile covers / belts / textile elements	0	0	0	+	+	+	+
Covers / strapping made of imitation leather	0	0	0	+	+	+	+
Upholstery *	0	0	0	0	0	Х	х
Frames, brackets, structural elements	0	0	0	+	0	+	+

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

#### 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 completely 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 agents 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 upholstery 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 fabric covers (not made of imitation leather) are machine washable at a maximum temperature of 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 the patient comes into contact with must be cleaned and treated with a disinfectant.
- · All covers (made of imitation leather) must be cleaned and treated with a disinfectant.

#### 7.6 Cleaning and disinfection for 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 soiled, 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 padding before reuse.

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<sup>+ =</sup> necessary; o = recommended/as necessary; - = not necessary; x = replacement/disposal only

### 7. Cleaning and disinfection

#### 7.7 Selection of cleaning agents or disinfectants

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



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

#### Table B: List of materials used

part of the device	Material
Rollers	ABS, S-Z, PA 66, TPE
Metal components of the device	S -P/-C/-Z, ALU-E
Plug-in buckle	POM / PA 66
Buffer	PTFE / POM
Screws, pins, nuts	S -Z/-N, ES
Wooden parts Fine veneer / solid wood	PU-Schichtlack
Faux leather covers	PVC -Compound, BW/ P-Gestrick, PU
Textile covers	P, PA
Upholstery parts	PU-Schaum
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
Р	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/disinfection of solid surfaces

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

Cleaning of:

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

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

Disinfection of:

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

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

The device and its accessories must not be sprayed with liquid agents 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/disinfection of covers

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

Then wipe away any remaining cleaning agent with a damp cloth..

*Textile covers* (no imitation leather) Harnesses and straps can be washed in a washing machine at up to 40°C using a conventional CE-certified disinfectant detergent.

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

- Proven effective at temperatures above 40°C,
- · CE-certified medical device,
- RKI or VAH listed (recommended),
- approved in the EU (recommended).

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

### 7. Cleaning and disinfection

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

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

Dry the items thoroughly afterwards...

#### **Table C: Symbols for substances**

Symbol	significance
<u>40</u>	Wash cycle 40°C, easy care or delicate cycle
X	Bleaching not permitted
$\overline{\mathbf{a}}$	Ironing with a lukewarm iron
$\odot$	Dry in the tumble dryer at a low temperature (gentle cycle)
P	Cleaning with perchloroethylene

### 8. Maintenance and Inspection



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!

#### 8.1 Maintenance

#### Before each use, please check the following functions:

- All connecting parts and components required for the supply.
- The functions of the brakes. Safe braking must always be guaranteed.
- All visible screw connections are secure and complete.
- The gas pressure spring works properly when adjusting the angle and can fix the reclining board firmly in all
- 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. Maintenance requirements are determined by the checks listed in section "8.3 Inspection schedule"..



DANGER The device requires maintenance every 12 months in accordance with the following inspection schedule.

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### 8. Maintenance and Inspection

#### 8.2 Inspection



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



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

During an inspection, a visual inspection and mechanical function tests must be carried out. If necessary, care and maintenance work must be carried out or repairs commissioned. Missing, damaged or contaminated parts must be replaced.

When ordering spare parts, advice can be obtained from the dealer or the manufacturer's sales department by providing the serial number, device type and date of manufacture.

#### 8.3 Inspection schedule

"Upright and Supine Stander Lasse" Model with 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.

perato	or						
-							
oduc	t	serial numb	er	Sch	eduled m	aintenanc	e inter
					12	2 months	
ltem	Assembly		Settings	Damage		Screw co	onnec-
			& function	& deformation without with		without with	
			defects	defects	1	defects	defec
1	Frame	Base frame					
		Transport castors and parking brake					
		Angle adjustment via gas spring					
		plug connections					
		Fasteners					
		Cable lines					
2	Foot area	Footplates					
		Footrests					
		Foot strap					
		Pointed foot corrections					
		Footrest angle adjustable					
3	Knee area	Knee pads					
		Brackets or knee bends of the knee pads					
		Padding and covers for knee pads					
		Split leg rests					
		Leg rest brackets					
		Upholstery and covers for the leg rests					
		Angle adjustment, leg guidance					
4	Pelvic area	Pelvic pad, split					
		- Brackets					
		- Upholstery and covers					
		- Fastening/clamping elements					
		Basin plate, continuous					
		- Brackets					
		- Upholstery and covers					
		- Fastening/clamping elements					

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### 8. Maintenance and Inspection

Item	Assembly			Settings & functions		nation	Screw connections	
			without defects	with defects	without defects	with defects	without defects	with defects
		Side guide pads						
		- Brackets						
		- Upholstery and covers						
		Abduction adjustment						
		- Brackets						
		Pelvi.Loc pelvic belt						
		- Fastening and closure						
5	Table area	Table with or without recess						
		- Brackets						
		-Wooden parts						
		-Fastening/clamping elements						
6	Back area	Backrests						
		- Brackets						
		- Upholstery and covers						
		-Fastening/clamping elements						
		Side guide pads						
		- Brackets						
		- Upholstery and covers						
		-Fastening/clamping elements						
		Armrests						
		- Brackets						
		- Upholstery and covers						
		-Fastening/clamping elements						
		Handle / Push bar						
		- Brackets						
		- Handlebar cover (optional)						
		-Fastening/clamping elements						
		-release lever						
		Undershirt						
		- zip fastener						
		-Fastening/clamping elements						
7	Head area	Headrests						
		- Brackets						
		- Upholstery and covers						
		-Fastening/clamping elements						
		-Reset adapter						

(i)

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 Lasse upright and supine stander 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. When passing the product 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 upholstery (padded parts) must be replaced!

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



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

#### 9.2 Change of patients

The user is responsible for the safe transfer of patients and 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!

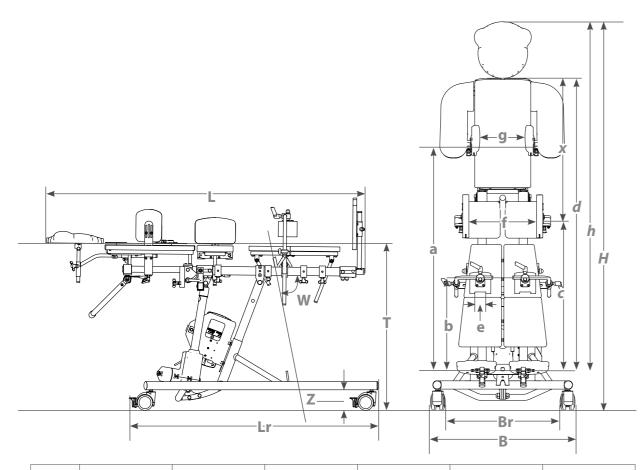
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### 10. Technical data

#### 10.1 Mechanical and anthropometric data

#### **Upright and Supine Stander Lasse**

Model with tilt position Size Mini, 1, 2



Size	Lr	T*	В	Br	Z*	W
Mini	99,5 cm	72 cm	54,5 cm	41,5 cm		
1	99,5 cm	72 cm	54,5 cm	41,5 cm	9,5 cm	Up to 85°
2	108,5 cm	81,5 cm	66,5 cm	53 cm		

a- Table height	c- centre of the pelvis	e- Knee width	g- Chest width
b- Knee height	d/x - shoulder height	f- Basin width	h- Height

ATTENTION! Adjustment limits a, b, c, x, d, e, f and g are in conjunction with the corresponding accessories and may change depending on the configuration of your device.

The dimensions a, b, c and d in the table are shown for the following configuration: with standard footboard 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	35-60	15-30	22-40	30-35	52-85	5-8	12-20	12-22 (15-32)*	~65-95	110	~110
1	45-70	20-35	30-59	35-42	65-101	5-8	14-34	15-32 (10-22)*	~75-115	107	~125
2	55-85	20-40	42-69	45-52	87-121	7-11,5	20-45	15-32 (12-28)*	~100 -135	133	~147

Dimensional tolerances ±3%

(\*) – with special accessories (\*\*) – with castors  $100 \text{ mm } \emptyset + 4.5 \text{ cm}$ 

	Operating en	vironment condition	ıs				
operatii	ng temperature	+10 °C to +35 °C					
ŀ	numidity	30% to 70% (non-condensing)					
	d transport						
ter	mperature	-10 °C to +45 °C (+10 °C to +25 °C recommended)					
ŀ	numidity	20% to 70% (non-condensing)					
functional data							
	base frame	Size Mini	Size 1	Size 2			
Max. Patient weight	height adjustable	-	-	-			
r delette Weight	without height adjustment	30kg	50kg	60kg			
Service							
ma	aintenance	See the "Service and Maintenance" section in the operating instructions.					
Weight							
Total weight	base frame	Size Mini	Size 1	Size 2			
(for basic equip-	height adjustable	-	-	-			
ment)	without height adjustment	29kg	33kg	39kg			
Transport Dimensions							
[Width]x[Length]	base frame	Size Mini	Size 1	Size. 2			
x[Height] (for the basic equip-	height adjustable	-	-	-			
ment)	without height adjustment	54,5x90x73	54,5x90x73	54,5x90x73			

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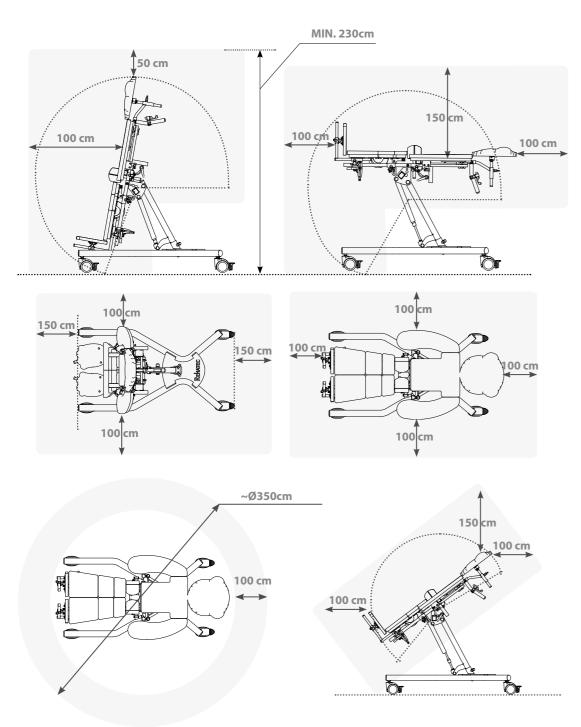
### 10. Technical data

#### 10.2 Minimum spatial requirements around the patient

#### **Upright and Supine Stander Lasse**

Model with tilt position Size Mini, 1, 2

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



### 11. Disposal

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

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 observed.



The product must not be disposed of with household waste.

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### 12. Warranty

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

For the Upright and Supine Stander Lasse, we provide a 3-year warranty on the frame parts 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
- modifications or interventions 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 be void in the event of design modifications without the written consent of *Rehatec*® *GmbH*.

1023918\_2.0 Subject to technical changes and printing errors.

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

The warranty does not cover accidental damage.

The warranty applies to new devices.

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## 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.

	ht and Supine Stand with tilt position Size		
	Model name		
	Serial number		
	Date of purchase		
Dea	ler's stamp and sig	nature	

Notes	Notes

## Rehatec®