

# FreiStil Tischlerei

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## Operating instructions

### Children's Therapeutic Bed "LASSE"



**Read carefully before operating!**

These operating instructions must be provided to all users!



## 1. ASSEMBLY INSTRUCTIONS

Assembly must be performed only by trained specialist personnel.  
We recommend that assembly be performed by two people, following these steps:

### 1.1 Bed frame

On the inside of the bed are stickers with numbered arrows from 1 to 4.  
Match the bed sides and the head and base sections according to this numbering.



**Fig. 1**

Screw the sides of the bed to the head and base sections (M6x40) according to the numbering (Fig. 1).

### 1.2 Bed base

Set the bed base in the bed frame and connect the cables. (Fig. 2)  
Then lay the bed base in the bed frame and screw it in tightly (5x90 or 5x70). (Fig. 3)



**Fig. 2**



**Fig. 3**

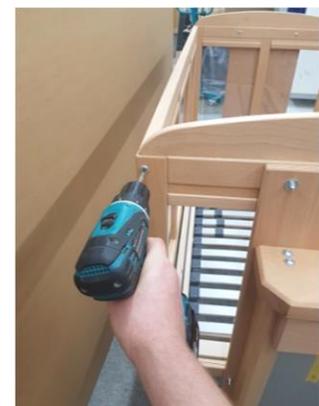
### 1.3 Rear panel

The rear panel frame is colour coded.

**RED: left**  
**GREEN: right**

**(looking at the bed from the door side)**

Set the rear panel frame according to the colour coding between the head and base sections and fasten with the supplied flat-head screws (M6 x 40mm) (Fig. 4).



**Fig. 4**

## 1.4 Doors

The two door packages are colour coded.

**RED:** left

**GREEN:** right

**(looking at the bed from the door side)**

Screw the first door package according to the colour coding to the head or base section of the bed frame with the enclosed screws (M6 x 40mm).

To do this, press down on the metal pin and screw it down (Fig. 5 + 6).

Then attach the second door unit accordingly.



Fig. 5



Fig. 6

## 1.6 Transport wheels

Caster, 75 x 30 mm.

To lock, press the treadle downwards, release by pulling up on the treadle (Fig.7).

**After each movement of the bed, all wheels must be properly locked!**



Fig. 7

## 1.8 Adjusting the doors

It is possible to adjust the doors on the hinges. (Fig. 8)



Fig. 8

## 2. OPERATING INSTRUCTIONS

### 2.1 Intended use

The **LASSE** children's therapeutic bed is designed for home use and care at home.

For medical specialists, services may be performed such as the relief, treatment and monitoring of illness and injury by facilitating positioning.

The individual adjustment options increase its number of uses. Electrical, medical applications are not permitted for safety reasons, as this is not a hospital bed.

It is only approved for one person and the safe working load (see type plate) must not be exceeded. The attachment of a trapeze bar is not provided.

When using the **LASSE** children's therapeutic bed, only the "ARNOLD" and "JAMES" patient hoists by REBOTEC, D-49610 Quakenbrück must be used. The bed should only be used within enclosed spaces and protected from excessive moisture. Use of the various adjustment functions can be carried out by the user by means of an IPX4 manual control unit with closure.

### 2.2 Important information on operational safety

- I. Set up and initial operation are performed by the sales agent. Before the handover, a functional check must be carried out.  
The free movement of all functions, the routing of the supply cable according to specification, as well as the fixed mounting of the bed base in the bed frame must all be observed.  
This also applies to any further operation of the children's therapeutic bed.  
Incorrect routing of the supply cable can lead to serious hazards (electrocution).
- II. The patient can weigh up to a maximum of 50kg. Persons of any age with diminished perception may operate the system only under supervision.
- III. The lowest, horizontal position of the bed frame is the safest and the bed should remain in this position when an alternative is not required for therapy and care.  
Always lower the lifting unit to the lowest position.
- IV. During the adjustment of the lifting unit do not bring body parts near or under the moving parts.  
There is a RISK OF CRUSHING.  
- V. The **LASSE** children's therapeutic bed is intended only for rooms that are dry and may only be operated and stored in such.  
The system may only be connected to standard 230-volt sockets, the cable and plug must be dry and must not be rubbing against anything or squashed at any point.  
Make sure that all cables are routed and connected correctly at the points provided.
- VI. In order to prevent overloads or defects to the electric motors, a maximum duty cycle of 2 minutes must not be exceeded.  
Electromotive bed base setting only for lifting and lowering of the lift and lowering the upper body or legs (consider the position of the patient in the bed).  
Overloading causes damage and is not permitted!  
Overloading the mechanical components causes damage and is therefore not permitted.  
(see operating instructions, item 2.3 + 2.4 and type plate)
- VII. In case of misuse, improper use, incorrect operation or improper installation/repair, we assume no liability for possible damages.  
All warranties are also excluded in these cases.

- VIII. The drives must not be operated in the presence of flammable gases or vapours.
- IX. The **LASSE** children's therapeutic bed may only be operated with the original accessories and maintained with the original spare parts.
- X. If malfunctions occur, inform your specialist dealer immediately.  
Particularly in case of damage of the electrical or mechanical components, do not operate the device and disconnect the power plug.

### 2.3 Warning notices

- I. Patient transport permitted only in the lowest, horizontal position of the lifting unit.
- II. If patients are left unattended, the bed frame must be moved to its lowest, horizontal position.  
The side flaps must be locked.
- III. Do not leave anything in bed that may cause the patient to move upwards or that may cause a risk of suffocation or strangulation.
- IV. Only trained persons or nursing staff are permitted to adjust the lifting unit.  
The patient themselves must not adjust the bed.  
When the patient is left alone, all functions must be disabled.
- V. The clinical condition of the patient may lead to pinching.
- VI. Take care when opening and closing the flaps. RISK OF CRUSHING.  
Open and close the side flaps only under supervision.
- VII. The **LASSE** children's therapeutic bed may only be used on level, horizontal and solid surfaces.
- VIII. Only use in dry rooms.
- IX. Do not install near a fire or other strong heat sources (e.g. electric fires, gas stoves, etc.).
- X. The safe working load (lifting motor) is max. 70 kg.  
Electromotive bed base setting only for lifting and lowering of the upper body or legs (consider the position of the patient in the bed).

### 2.4 Lifting unit

The lifting unit is used for the electrical lifting and lowering of the bed base.  
The user load is 50kg.  
The safe working load is 70kg, including accessories.  
Overloading causes damage and is not permitted.

## 2.6 Manual control unit

The manual control unit is used to control all electrical functions. Height adjustment is indicated by corresponding symbols. Press lightly on the appropriate button to move the system to the desired position.

***Ensure that the manual control unit cable does not become squashed during the adjustment. To avoid malfunctioning, hang the manual control unit with the operator control panel outwards against the bed frame when not in use.***



The lock for enabling and disabling the function keys is located on the back of the manual control unit (Fig. 9). By turning the key, the manual control unit is 'locked' or 'opened' - the respective position is indicated by the arrow.

***The key is a safety element designed to protect against unauthorised use of the manual control unit, and must therefore always be stored in a separate location.***

Button assignment on the manual control unit (Fig. 9):

1. Control panel  
**Lifting motor (bed base) up/down (left/right)**



Fig. 9

## 2.7 Cleaning, maintenance and reuse

The surfaces are smooth so that they are easier to clean and disinfect. Neither the electrical system nor the bed frame are designed for high pressure lamps.

To clean, a damp hand cloth with a small amount of neutral soap should be used, then wiped dry.

It is possible to disinfect the bed with conventional disinfectant.

Once the bed has been cleaned, disinfected and maintained, it can be used again.

Maintenance is to be carried out by the authorised specialist dealer. A functional check can also be carried out before reuse or for extended patient use.

There is a 2-year clearance on all components.

Spare parts lists can be obtained from the manufacturer!

## 2.8 Accessories

Grisu therapeutic bed mattress, flame-retardant.

Surface set for wooden parts

## 2.9 Explanation of symbols



Protection class II



For use in dry rooms only



Risk of crushing



Important information in the operating instructions



Type B applied part

Manufacturer: FreiStil Tischlerei, Ruppenkampstraße 16, 49084 Osnabrück  
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### 3. TECHNICAL DATA

#### 3.1 Bed frame

External dimensions: 660 x 1520 mm  
 Bed base: 600 x 1200 mm  
 Bed height: 1090 - 1590 mm  
 OK bed base 500 x 1000 mm  
 Door height: 660 – 750 mm  
 Weight bed frame + lifting unit approx. 80 kg  
 Weight:  
 Head and base section 20 kg  
 Bed sides 5 kg  
 Rear panel frame 7 kg  
 Doors 9 kg  
 Total weight of bed frame: approx. 41 kg  
 Standard mattress: RG40, 12 cm, approx. 5 kg

#### 3.2 Lifting unit:

Rose + Krieger/Multilift  
 Dimensions 695 x 260 x 48 cm (L x W x H)  
 Weight approx. 10 kg  
 Travel 500 mm  
 Hoist power 2 x 1000N

#### 3.3 Bed base:

Rinova-flex  
 User load 50 kg  
 Safe workload, including accessories. 70 kg

#### 3.4 Motors:

Limoss

Mains voltage/frequency	230 volts/50 Hz
Motor voltage	24 volts
Protection class	II
Noise emissions	< 65 dB (A)
Nominal rating	max. 2 min./18 min. pause

Subject to technical modifications!!!

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#### 4. ANNEX

### Maintenance/safety check in accordance with § 6 of the German Medical Device Operator Ordinance (MPBetreibV)

This form is available to download from our website.

[www.freistil.com/service](http://www.freistil.com/service)

Check list  
Maintenance/safety check in accordance with § 6 of the German Medical Device Operator Ordinance (MPBetreibV)

<u>Medical equipment supplier</u> Name ..... Street ..... Postal code/city .....	<u>Inspector</u> Name ..... Street ..... Postal code/city .....	<u>Bed location</u> Name ..... Street ..... Postal code/city .....	
<u>Bed</u> Type ..... Serial no. ....	Reason for inspection Before initial operation <input type="checkbox"/> Regular maintenance <input type="checkbox"/> Following repair <input type="checkbox"/>	Maintenance confirmation ..... Date/signature (customer) .....	

Inspection	Component	OK / NOK	Comments	Elec. testing	Component	OK / NOK	Comments
Visual	Type plates	<input type="checkbox"/>	.....	Visual	Mains	<input type="checkbox"/>	.....
Visual	Operating instructions	<input type="checkbox"/>	.....	Visual	Mains <u>connection</u>	<input type="checkbox"/>	.....
Visual	Head end and foot end	<input type="checkbox"/>	.....	Visual	Mains plug	<input type="checkbox"/>	.....
Visual	Side parts	<input type="checkbox"/>	.....	Visual	Mains cable	<input type="checkbox"/>	.....
Visual	Lifting system	<input type="checkbox"/>	.....	Visual	Strain relief	<input type="checkbox"/>	.....
Visual	Bed base	<input type="checkbox"/>	.....	Function	Drives	<input type="checkbox"/>	.....
Visual	Wheels	<input type="checkbox"/>	.....		Manual control unit	<input type="checkbox"/>	.....
Visual	Screw joints	<input type="checkbox"/>	.....		Limit switch	<input type="checkbox"/>	.....
Function	Freely rolling	<input type="checkbox"/>	.....		Battery	<input type="checkbox"/>	.....
Wheels	Locking	<input type="checkbox"/>	.....	Measurement	Resistance	<input type="checkbox"/>	.....
	Braking	<input type="checkbox"/>	.....		Leakage current	<input type="checkbox"/>	.....
Functions	Ease of movement	<input type="checkbox"/>	.....				.....
Side parts	Locking	<input type="checkbox"/>	.....				.....
	Hinges	<input type="checkbox"/>	.....				.....
Function	Lifting motors	<input type="checkbox"/>	.....				.....
Motors	Head end motor	<input type="checkbox"/>	.....				.....
	Foot end motor	<input type="checkbox"/>	.....				.....
	Trendelenburg	<input type="checkbox"/>	.....				.....
Function	.....	<input type="checkbox"/>	.....				.....
Accessories	.....	<input type="checkbox"/>	.....				.....
	.....	<input type="checkbox"/>	.....				.....
Overall mechanical inspection		<input type="checkbox"/>	.....				.....

Measuring device used: .....

Comments:.....

Date/signature (inspector) .....