

■ ■ wissner-
■ ■ bosserhoff

movita sc



Instructions for use

Instructions for Use



1. Table of contents

2. Introduction	6
2.1 About these instructions for use	6
2.2 Symbols used in the text.	6
2.3 Purpose	7
2.4 General safety instructions.	8
2.5 Abbreviations used	8
3. Product overview.	9
3.1 Design variants	9
4. Commissioning	10
4.1 Delivery	10
4.2 Assembly	10
4.3 Setting up the bed.	12
4.4 Drives and connections	13
5. Handset.	14
5.1 Locking the handset	15
5.2 Resident functions of the handset.	15
5.3 Care functions of the handset	16
5.4 Combination functions of the handset in care mode	18
5.5 Activation times.	18
5.6 Moving the handset to the other side of the bed	19
5.7 Manual emergency lowering of the backrest	19
6. Safety instructions for height adjustment.	22
7. Proper handling of the main cable.	23
8. Moving and braking	24
8.1 Individual castor locking	25
8.2 Central locking.	25
8.3 Adjusting the legrest section mechanically	26
9. Side rails.	27
9.1 Continuous side rails.	28
10. Compatible accessories.	29
10.1 Mattresses, general information	29
10.2 Air2Care	30
10.3 Mobilisation	31
10.4 Lights/lighting	32
10.5 Supply	33
10.7 Bed extensions and matching accessories.	36
10.8 Protection and safety	37
10.9 General accessories	38
11. Cleaning and disinfection	39
11.1 Cleaning.	39
11.2 General procedure for cleaning/disinfection	40
11.3 Notes on disinfection	41

11.4 Special feature: real wood parts (accessories)	41
11.5 Recommended cleaning/disinfection intervals	41
12. Maintenance and servicing	42
12.1 Spare parts	43
12.2 Troubleshooting	44
12.3 Repairs and maintenance work	45
12.4 Storage	45
13. Disposal	46
14. Warranty	46
15. Technical data.	47
16. Classification and applied standards	49
17. Product labeling	50
17.1 Symbols used.	50
17.2 Bed type plate	51
18. Electromagnetic compatibility	52
19. Safety instructions and residual risks.	57
20. Application instructions for nursing home beds.	59
21. Basic functions and benefits of nursing home beds	59
22. Technical drawing.	61
23. Declaration of Conformity	62



2. Introduction

2.1 About these instructions for use

In this section you will find information on the structure of the instructions for use and explanations of the signs and symbols used. These instructions for use contain instructions for operating the nursing home bed.

These instructions for use may contain inaccuracies or typographical errors. The information provided here is updated periodically, and changes due to product updates are included in later editions. Changes or improvements may be made at any time without prior notice. If you have any questions, please contact our customer service team.

The instructions for use must be read and applied by every person who operates the nursing home bed. In addition to the instructions for use and the binding regulations for accident prevention applicable in the country of use and at the place of use, the recognised rules for safe and the correct working methods must be observed.

2.2 Symbols used in the text

In these instructions for use, we use the following designations or symbols for particularly important information:



Danger!

Safety instructions regarding hazards that may endanger persons are marked with this symbol. The symbol stands for imminent danger which may result in death or serious injuries.



Caution!

This sign stands for potentially dangerous situations that may result in minor injuries.



Attention!

This symbol appears next to warnings regarding a risk of damage to the appliance or other objects.



This sign marks additional helpful notes and information.

- A dash in front of the text means that this is part of a list.
- A dot in front of the text signifies an action that you are required to perform.
Indented text describes the result of your action.



2.3 Purpose

The movita sc nursing home bed is intended for use in (geriatric) nursing homes, in outpatient departments and comparable facilities, or in a domestic environment in accordance with application environment 3, 4 and/or 5 as defined by IEC 60601-2-52 (in its current version). It is a class I medical device and is intended exclusively for human medical purposes. The bed is purposed to support the mobilisation and positioning of mobile, movement-impaired and immobile persons/patients.

The movita sc nursing home bed is mobile on castors, is freely height adjustable by motor, and also has a mattress support platform that can be adjusted by motor in different ways, for example to set it to a sitting position or for facilitating getting out of the bed.

The movita sc is designed for a safe working load of 205 kg, with a maximum resident weight of up to 170 kg and a mattress and accessory weight of 35 kg. If other, heavier or further loose or attached accessories are used, the maximum resident weight must be adjusted accordingly (see technical data).

We cannot accept any liability for any product damage or personal injury caused by third-party accessories or in the event of mutual cancellation of the intended use.

The specified use is the intended use. The operator or user can determine this from the labelling and the instructions for use.

Indication and target patient group

With its motorised adjustment options, the movita sc medical nursing home bed aids caregivers who are caring for patients who are no longer spontaneously mobile and who are bedridden for large parts of the day in an inpatient, outpatient or domestic setting, if such care is provided entirely or partially in bed.

The nursing home bed is intended for persons who are at least 146 cm tall, weigh at least 40 kg and have a BMI ≥ 17 .

Other applications must be agreed in writing with wissner-bosserhoff GmbH in advance. The product is to be used as work equipment for nursing care and is subject to the regulations of the responsible professional associations.

Application restrictions and contraindications

Use only under medical supervision. The decisive factor in determining whether care is medically supervised or not is whether this care is provided under the instruction of medical staff. This is not necessary in a domestic environment.

The use of the bed is not recommended for fresh spinal injuries and extensive burns.

Intended users

The bed may only be used by persons who, on the basis of their professional training or knowledge and practical experience, can guarantee proper handling. In addition, users of the nursing home bed must have been instructed in its correct use and must have familiarised themselves with the product on the basis of these instructions for use. Common users are: Nursing staff, doctors, physiotherapists and occupational therapists, relatives, in-house technicians, the patient/resident, cleaning staff, service technicians.



2.4 General safety instructions

The movita sc nursing home bed is built according to state of the art and recognised technical safety regulations. Nevertheless, improper use may result in danger to life and limb of the user or third parties or damage to the movita sc nursing home bed and other material assets.

Only use the movita sc nursing home bed when it is in perfect working condition and for its intended purpose, in a safety- and hazard-conscious manner, and in compliance with the instructions for use! Faults that may affect safety, in particular, must be rectified immediately!

Keep these instructions for use close at hand! In addition to the instructions for use, observe the generally applicable legal and other binding regulations for accident prevention and environmental protection!

Do not make any changes, additions or alterations to the nursing home bed without the manufacturer's approval. Spare parts must comply with the requirements specified by the manufacturer. This is always guaranteed when purchasing original spare parts. Comply with the prescribed tests and inspections!

Ensure safe and environmentally friendly disposal of operating and auxiliary materials as well as replacement parts! Before using the bed, convince yourself of its functional safety and proper condition.

Always leave the castors in braked position. This avoids a risk of the patient or resident falling when getting in and out. Adjust the height of the mattress support platform to accommodate the height of the patient to avoid a risk of falling.

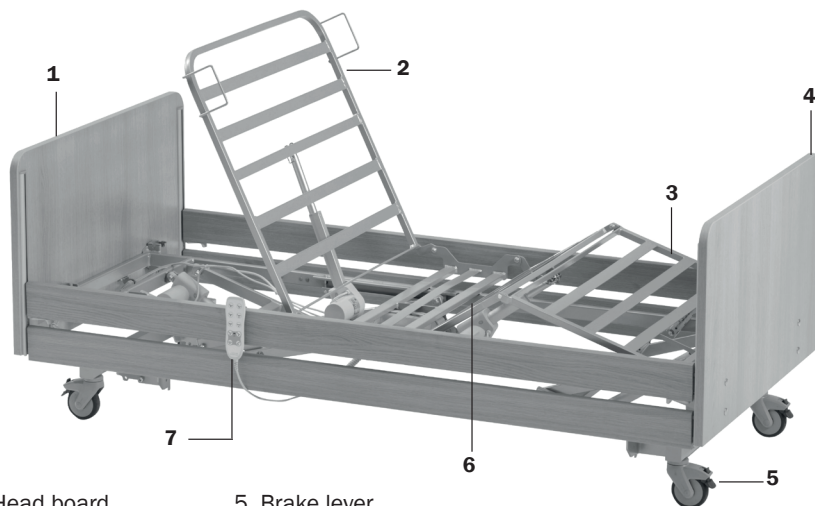
If the bed is used for incontinent residents, an incontinence guard must be used for the mattress.

2.5 Abbreviations used

SWL	safe working load
AI	assembly instructions
IU	instructions for use

3. Product overview

In the following, the movita sc nursing home bed is also referred to as the "bed".



- 1. Head board
- 2. Backrest
- 3. Calfrest
- 4. Foot board

- 5. Brake lever
- 6. Thighrest
- 7. Handset

These instructions for use serve as an overview of the movita sc nursing home bed. All technical specifications are explained and noted in chapter 15. "Technical data".

3.1 Design variants

The movita sc is available in the following design variants:



Df head board



Df foot board



Dfx foot board



Ts head board



Ts foot board



Tsx foot board



4. Commissioning

4.1 Delivery

The nursing home bed is usually delivered without head/foot boards and side panels installed. These must be attached on-site by qualified personnel.

- Ensure the delivery is complete by checking it against the provided delivery papers.
- Note any defects or damage on the delivery note.
- Report any transport damage or defects immediately to the responsible service partner.

4.2 Assembly

4.2.1 Head/foot board

Step 1: Push the first screw from the outside of the head or foot board through the upper hole (Fig. 1) and slightly tighten the wing screw on the overhang of the other side. **Attention:** Do not tighten the wing screw too much, as a gap is needed for hanging. 1.5 turns are sufficient for now. Repeat this for the holes on the other side.

Step 2: Now lift the head board and mount it onto the plate at the end of the bed using the protruding part of the screw (Fig. 2).

Step 3: Now push the lower screw through (Fig. 3) and tighten the wing screw on the protruding end as well. Now all the screws can be tightened (Fig. 4); the screws are secured in the boreholes.

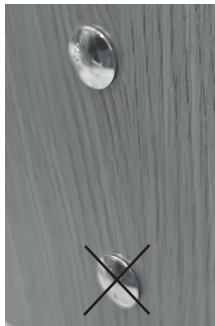


Figure 1 (only push through the upper screw)

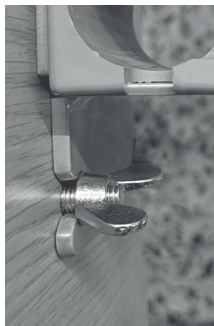


Figure 2



Figure 3



Figure 4

4.2.2 Side Rails

We recommend that two people carry out the assembly. To install the side panels, both the head and foot boards must first be fitted.

➔ For the use of the side panels, please see chapter 9 "Side panels".

Step 1: Push the pressure spring into the upper side panel in the lower drill hole (slotted) (Fig. 1). Then insert the glider into the prepared side panels (Fig. 2).



Figure 1



Figure 2

Step 2: Spray all four guide rails of the head and foot ends with non-drying silicone spray (Fig. 3). Then, together with another person, insert the prepared side rails from below into the guide rails, parallel at the head and foot ends, and push them upwards until they engage in the uppermost position (Fig. 4+5).



Figure 3



Figure 4



Figure 5

Step 3: In order to prevent the side panel from falling out, the last step is to attach a retaining plate with truss-head screws from below (using a shut-off torque screwdriver with a 4 mm hexagon socket bit, screwdriver setting: 4 Nm) into the stud of the head or foot section until the screw is tightened (Fig. 6). Pay attention to the torque!



Torque for stud design (Ts, Tsx): 6 Nm

Torque for plate design (Df, Dfx): 3 Nm

➔ See chapter 3.1 Design variants

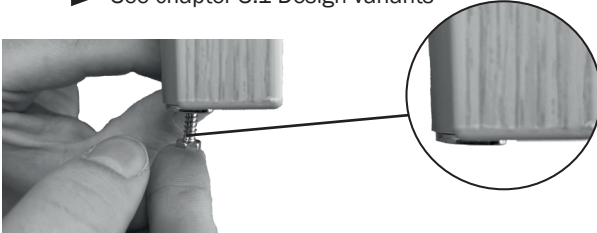


Figure 6

Step 4: Check that the side rails slide easily in the guide rail. Also check that the sliders engage in the top and middle positions. If this is not the case, please contact your wissner-bosserhoff service representative.

4.3 Setting up the bed

- Check the suitability of the floor covering to avoid damaging the floor. Unsuitable floors include those that are too soft, unsealed or defective. The following flooring types are often unsuitable: soft wooden floors, open-pored and soft stone floors, carpets with foam backing, soft linoleum or similar floor coverings. In case of doubt, please contact your flooring company and the technical customer service of wissner-bosserhoff GmbH.
- Ensure that the bed is free-standing in the room and that there is a sufficient safety distance around the bed in all adjustment positions (including swivel function). There must be an additional safety distance of 2.5 cm from objects, walls and installations as protection against trapping. The safety distance from the headboard to objects, walls, window sills and installations must be min. 20 cm.
- Pay attention to the presence of mechanical and electrotechnical protective measures provided by the customer e.g. wall bump strips, bump angles, RCD switches, etc.
- Ensure sensible positions for the mains connection of the bed. Unsuitable positions are those that could lead to collisions or stretching when the bed is moved or where the mains cable has to be routed too long across the floor or even under the bed.
- The use of extension cords or multiple socket outlets, which are laid unsecured on the floor of a room should generally be avoided. A 100 - 240 V, 50/60 Hz mains socket outlet, set up in accordance with VDE regulations, must be used as the voltage source.
- Magnetic objects or magnetic fields must be kept away from the bed.

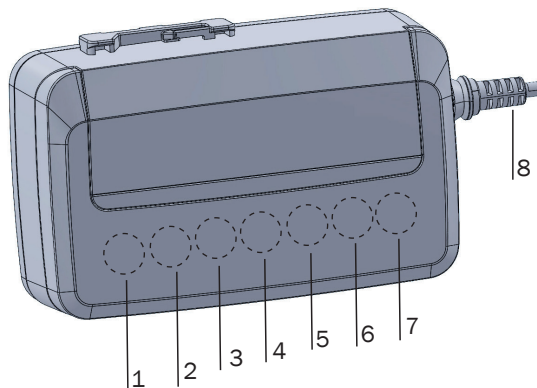
➔ The nursing home bed must be positioned in the room in such a way that a disconnection from / connection to the supply network can be easily made.

➔ A nursing home bed is not equipped with a potential equalisation connection. Combination with other electromedical devices is therefore not permitted without further safety measures.

4.4 Drives and connections

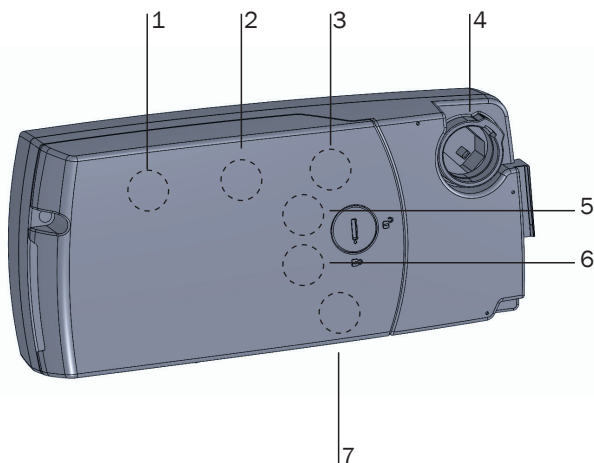
The following motor variants can be installed in the movita sc.

Motor variant 1



- | | |
|--|--|
| 1 Battery | 5 Actuator for height adjustment at foot end |
| 2 Actuator for backrest | 6 Handset |
| 3 Actuator for thighrest | 7 Reading light |
| 4 Actuator for height adjustment at head end | 8 Power supply (power supply cord) |

Motor variant 2



- | | |
|------------------------------------|--|
| 1 Handset | 5 Actuator for thighrest |
| 2 Battery/reading light | 6 Actuator for height adjustment at head end |
| 3 Actuator for backrest | 7 Actuator for height adjustment at foot end |
| 4 Power supply (power supply cord) | |



5. Handset

➔ When using the handset and especially when releasing the mechanical locks for operators/residents/carers, the suitability must be checked by the responsible medical supervisor, taking into account the physical and mental capabilities and the state of health of the respective resident.



Danger!

When moving the bed into the various positions, make sure that there are no persons, body parts or objects in the movement range and between the head/foot board and the floor, or underneath the mattress support platform.



Attention!

All electrical functions can be subject to errors. Unless they are locked and activated as needed.



Attention!

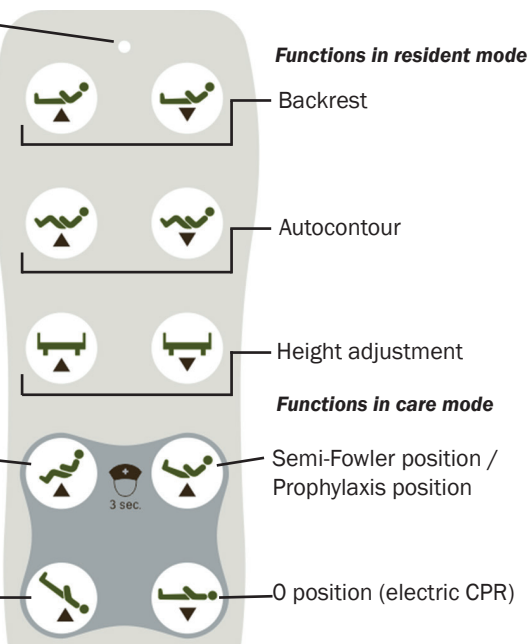
Other devices that emit electromagnetic radiation (e.g. DECT radio telephones) may affect electrical bed functions. Therefore, bed functions that are not needed must be disabled for safety. The use of such devices around the bed should be avoided if possible.

Description of the LED display

Green light:

Handset is activated when the button is pressed and is functional.

Unlit: Bed is not connected on the mains, or is locked with the mechanical key, or there is an error message (even if no button is pressed). First check the power supply and lock, then assume that there is a fault.



Functions in resident mode

Backrest

Autocontour

Height adjustment

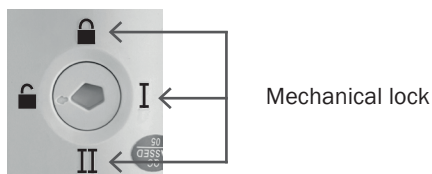
Functions in care mode

Semi-Fowler position / Prophylaxis position

0 position (electric CPR)

5.1 Locking the handset

The handset can be locked by means of a mechanical lock on the back. To do this, use the key which is attached to the handset on delivery and turn it to position I or II or the closed lock. The handset is completely locked in each of the three positions and can now no longer perform any functions. You can use any of the three positions for this purpose.



5.2 Resident functions of the handset

The bed is adjusted with the following functions, which are always carried out in the direction shown by the arrow.

Backrest



Backrest up



Backrest down

Adjustment of the backrest (single).

Sitting position / autocontour



Sitting position high



Sitting position low

Synchronous adjustment of the backrest and leg rest.

Height adjustment



Bed up



Bed down

Height adjustment of the entire bed. This function has no influence on the position of the mattress support platform.

➔ Please observe the warnings concerning height adjustment in chapter 6!



5.3 Care functions of the handset

The care functions are locked for the resident by an electric lock. For safety reasons, they may only be enabled by medical staff or "under medical supervision"! Care mode is activated by pressing the upper two buttons of the care functions (automatic comfort seat and semi-Fowler position), which are to the left and right of the nurse symbol, for at least 3 seconds. The care functions can then be used.

Key combination for care mode



+



Automatic comfort seat

Semi-Fowler position (automatic prophylaxis)



Attention!

If the nursing home bed is used in facilities with medical supervision, these positions may only be activated by medical staff or "under medical supervision" as prescribed for safety reasons! Activation is done by pressing the corresponding button for at least 3 seconds.

Automatic comfort seat



The bed moves to the preset sitting position.



Caution!

Especially in combination with a bed extension, there is a risk of the head/foot board jamming against the floor or touching the floor! Always set the mattress support platform to an appropriate height before moving the bed!

Semi-Fowler position (automatic prophylaxis)



The bed moves to the preset position. For this, the backrest is fully extended and the swivel is used to raise the legs to the Trendelenburg position.



Caution!

The elevated leg position is not used in nursing home beds for acute care in an emergency or for shock positioning. Primarily, this function is only used for the easy adjustment of the leg elevation for therapeutic reasons! So as not to run the risk of an unintentional Trendelenburg position, it is strongly recommended to raise the backrest about a hand's width at the same time as raising the legs. The important thing in doing this is to ensure that the resident's head is higher than the orthostatic point of the body.

Trendelenburg position



The bed moves into the preset pelvic elevation position. Here, the mattress support platform is moved up to an angle of 12°.



Danger!

In Trendelenburg positioning, the increased venous return from the lower parts of the body results in an increase in preload. Therefore, it should never be performed without a medical indication.

0 position (electric CPR)





This button returns the bed to the horizontal position from any position. As soon as the mattress support platform is levelled, it also moves to the lowest position to facilitate the fastest possible CPR in emergency situations.



Attention!

The 0 position also works in emergency situations, but only when the power supply is connected.

5.4 Combination functions of the handset in care mode



The instructions for the combination functions are also printed on the back of the handset.

Raising the thighrests and calfrests individually



To raise the thighrests and calfrests individually, press and hold the button for raising the backrest and simultaneously press the button for raising the sitting position/autocontour.

Lowering the thighrests and calfrests individually



To lower the thighrests and calfrests individually, hold down the button for lowering the backrest and simultaneously press the button for lowering the sitting position/autocontour.

5.5 Activation times

The resident mode is the standard operating mode of the handset. This only applies to the extent that the responsible medical supervisor has released it for use by the respective resident, i.e. the handset has not been mechanically locked.



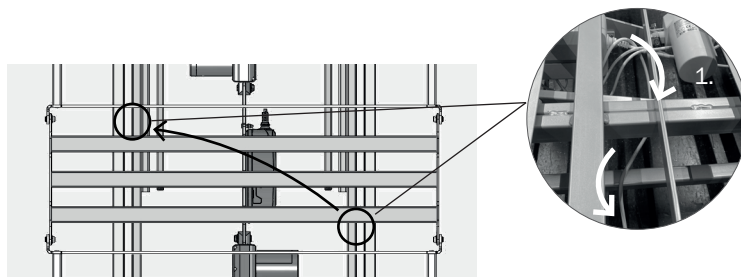
Activation times

➔ The activation of care mode is limited in time, during which the functions and positions of the maintenance mode can be used. The care functions are activated as described in chapter 5.3.

- Activation of care mode approx. 1 min.

When leaving the room, we recommend locking the handset to prevent unwanted use of the adjustment options. If it is not locked, the handset automatically reverts to resident mode after 1 min.

5.6 Moving the handset to the other side of the bed



To move the handset from one side of the bed to the other, proceed as follows:

- Pass the handset under the mattress support platform diagonally to the other side of the bed.
- Then guide the handset under the bed frame to the desired side of the bed as shown in 1 so that the cable emerges from the side surface of the bed. Make sure that the cable is above the lower chassis rail.

➔ For a better understanding, please refer to the exemplary illustration above.

5.7 Manual emergency lowering of the backrest

If an emergency occurs in which the backrest needs to be lowered in the shortest possible time, or if the power supply and/or the electric drive system fail, the raised backrest of the bed must be lowered manually. This is an emergency lowering, which should only be carried out in emergencies. The correct procedure is described below. You should carry out this process once in advance under normal conditions in order to internalise the procedure and reduce the risk of injury.



5.7.1 Tubular folding plug

Before you start lowering the mattress support platform, relocate the resident. No resident may be in bed during the entire process.



Danger!

Never carry out the lowering alone – another person must hold the mattress support platform throughout the process. Serious danger of trapping and crushing!



This is the initial position of the tube clip. Before lowering, remove any obstructions from the backrest. For this purpose, the first person lifts the backrest slightly and keeps it in this position.



The mattress support platform is secured by the tube clip. To lower it, first remove the bracket of the clip.

- Hold the mattress support platform in its upright position.



Release the clip by sliding the bracket sideways over the end. It is firmly connected to the plug on the opposite side.

Turn the bracket to a position that is comfortable for you.

- Hold the lifting rod that supports the mattress support platform. Do not release it until you have lowered it and placed it on the frame.

**Danger!**

The lifting rod can fall down if unsecured. Danger of trapping and crushing!

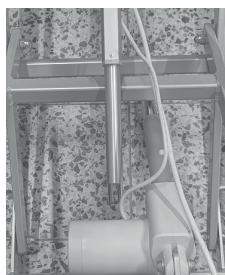


Now you can remove the tube clip. To do this, simply pull it out of the opening and put it to the side.

- Hold both the lifting pole and the mattress support platform firmly.

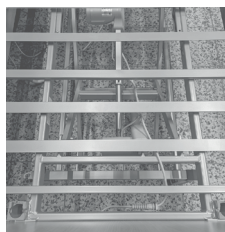
**Danger!**

The mattress support platform is no longer secured and may fall down. Danger of trapping and crushing!



You can then lower the lifting rod until it rests on the frame.

- The mattress support platform is now free to move, so continue to hold it firmly.



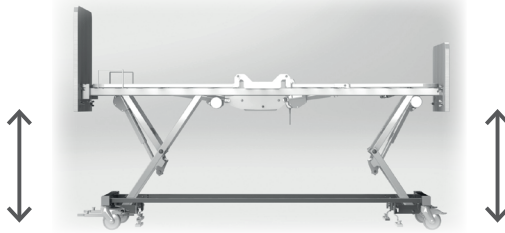
The mattress support platform can now be lowered.

If you want to set up the mattress support platform again, proceed in reverse order and reattach the tube clip in its original position.

There must be nobody in the bed also when restoring the initial state.



6. Safety instructions for height adjustment



Danger!

Before adjusting the height of the bed, always make sure that there are no people, animals or objects in the danger zone! Always leave the handset in the locked position so that no unauthorised persons can manipulate the height adjustment of the bed!



Caution!

Avoid putting your feet in the clamping area (bed ends or free space under the bed) during lowering or swivelling into the sitting position.



Caution!

Comfort position/leg elevated position: Especially in connection with a bed extension, there is a risk of the head/foot board being trapped on the floor! Before each adjustment of the bed, the mattress support platform must be moved to an appropriate height! The same applies in combination with a linen shelf!



Caution!

Before each height adjustment, make sure that there are no people, objects or anything else in the clamping area under the bed. Always leave the handset in locked mode so that no unauthorised person can change the height.

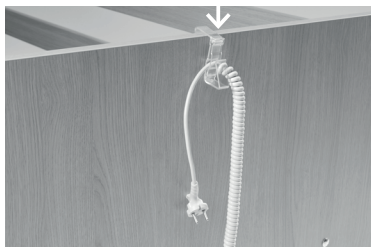


Before using mobile lifting equipment, make sure that the free space under the nursing home bed is sufficient for the mobile lifting equipment. Otherwise, adjust the height before using mobile lifting equipment.

7. Proper handling of the main cable

The movita sc nursing home bed is equipped with a coiled cord. The cable has a plastic hook is attached to it.

- ➔ The power supply cord must be prevented from being dragged across the floor, being trapped or being run over by the castors when moving the bed. This must also be observed during operation/adjustment processes. The cable must be able to freely follow any bed movement. Excess cable must always be hooked onto the plastic hook in a figure-of-eight loop.
- ➔ Do not pull the power supply cord out of the socket with wet hands. Only remove it by the plug.



- If you want to move the movita sc nursing home bed, hang the hook of the mains connection cable on the upper edge of the head section. This prevents it from accidentally being run over.
- Check the mains connection cable, the mains plug entry, the mains plug housing and the housing entries on the bed regularly for damage in order to avoid hazards.



Danger!

If the cable is damaged due to being run over by the bed or other causes, there is a risk of electric shock. If damage to the cable is detected, immediately disconnect the nursing home bed from the power supply and take it out of operation.



8. Moving and braking

The bed is mobile. By simply repositioning the bed within the room, the surface it stands on and the nursing home bed itself can be cleaned more easily. If the bed is not equipped with an undercarriage cover, it is suitable for transporting residents. This means that immobile residents can also be moved in the bed.

nursing home beds with a chassis cover can only be moved within the resident's room, e.g. for cleaning purposes.



Caution!

Injuries will result if feet or other body parts get caught under the castors or under the chassis panelling while the bed moved. Take care not to get your feet caught under the castors or under the chassis panelling while moving the bed.



Caution!

Beds without the brakes on can be a fall hazard. Always leave the bed in a braked position. If the resident is unattended, the bed must be left in the lowest position.



Attention!

Mains connection cables can be damaged if they are driven over. Never move the bed over mains connection cables or other cables.



Attention!

The fixings of the side panels may be torn out if strong forces are applied to them. Do not sit exclusively on the wooden panelling, but always shift most of your weight onto the mattress support platform. To move the bed, grasp and hold it only by the head board or foot board.

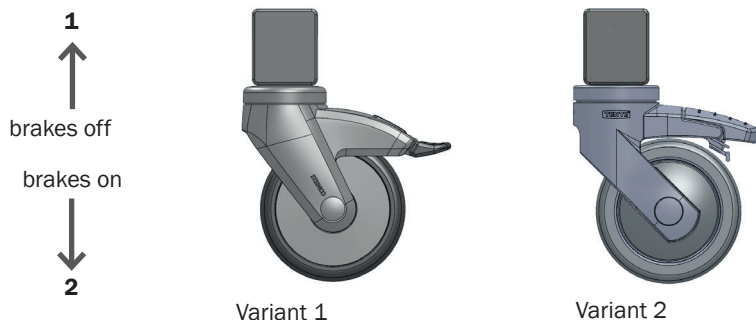


Attention!

Moving the bed is only possible when the brakes are properly released. If castors that are still locked are moved across the floor contrary to the operating specifications, this can cause damage to the floor covering and the braking system.

8.1 Individual castor locking

Both the head board and the foot board have an axle with lockable castors underneath. The castors have brake levers on the left and right side of the bed (in the case of central locking, only at the foot end, and all castors are locked at the same time). With these brake levers you can release or lock the individual castors.

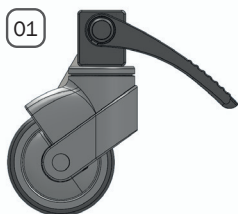


1. To release the brakes, pull the brake lever upwards.
2. To brake the bed, press the brake lever down.

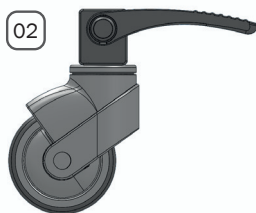
8.2 Central locking

To operate the brake lever, move the bed to a position where you can easily reach it. Use your foot to move the brake lever into the following positions.

Position 01: Brake



Position 02: Freely movable



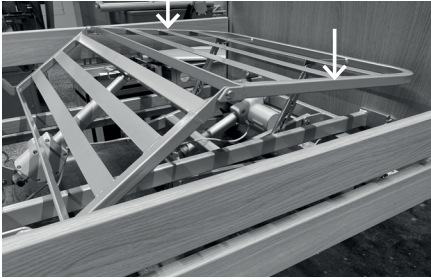
To move the bed, please follow the steps below:

- Release the brake.
- Grasp the bed by the head board or foot board, and then move the bed to the desired position.
- Then lock the castors again by pressing the brake lever, This will lock all of the castors at the same time.



8.3 Adjusting the legrest section mechanically

The calfrest section is height-adjustable via snap-in fittings.



- If you want to lift the calfrest section by hand, grasp it at the points marked with an arrow in the picture and lift it up. It will lock into the desired position.
- If you want to lower the calfrest section by hand, grasp it at the same points, lift it to the stop and then lower it.



Remember that both sides of the calfrest are to be pulled to the stop!

9. Side rails

Special care and caution is required when using side rails. Side rails serve primarily as a means of patient protection. Under no circumstances may the side rails be used as a means of patient restraint.

→ Court orders are necessary for the use of side rails if these restrict the resident's mobility. Only split side rails or individually lowerable side rails, where only the head section is raised, and which can be used as an aid for getting in and out of the bed, are a permissible exception here for mobile residents.

→ When using side rails, the suitability must be checked, taking into account the physical and mental characteristics of the respective resident. In particular, attention must be paid to the distances between the bars and rails in relation to the resident's physique so that pinching or slipping through can be prevented. If necessary, use additional side protection pads that reduce or close the gaps. This decision is the sole responsibility of the competent medical supervisor.



Caution!

Incorrectly secured side rails can slip out and thus cause the resident to fall. Every time when changing to a new position, make sure that the side rail is properly engaged by shaking it.



Caution!

If necessary, also use an attachment for side rails as an elevation when using raised mattress systems and the available side rail pads (accessories) as an important additional safety and protection feature.



Caution!

When lowering or raising side rails, fingers, hands or other parts of the resident's body may be crushed. Raise or lower the side rails with utmost care and attention. And only fix the rails in the designated positions according to the instructions for use.



Caution!

Restless and disoriented persons may get caught in the free spaces between the side rails. Protect them by using side rail pads.



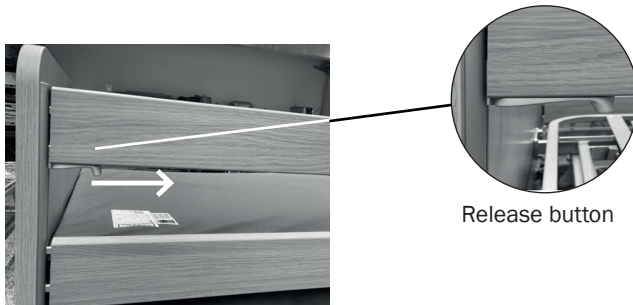
Attention!

The side rails can be overloaded and damaged by large loads, propping or pulling. Avoid such stresses.



9.1 Continuous side rails

The continuous side rails are available with two bars (09, set of 2). Raising and lowering is done as follows in this version.



Release button

09 side rail, set of 2-

If you want to raise the lowered 09 side rail:

- Grasp the side rail at the lower edge and lift it upwards until the release button audibly engages. You are now in the middle position. To raise the side rail to its highest position, press and hold the release button beyond this point. Continue to raise the side rail until the release button audibly engages again.

If you want to lower the 09 side rail:

- Lift the side rail using the release button and push and hold it in the direction of the arrow.
- Slowly lower the side rail.



Caution!

Tilting the side rails is not a suitable, sufficient means of protection against falling out of the bed.

10. Compatible accessories



Danger!

The use of accessories not approved for the product and unapproved combination products can cause serious hazards. Therefore, only accessories approved by wissner-bosserhoff GmbH and products approved for combination are to be used.

10.1 Mattresses, general information

The bed must always be used with a suitable, compatible mattress.



Attention!

Do not use water mattresses. Exceeding the safe working load in this way can cause the actuators or other components to fail and cause accidents. Always observe the safe working load.



Attention!

Replace wissner-bosserhoff mattresses only with equivalent mattresses with identical dimensions. Also pay attention to the presence of movement incisions on the underside of the mattress, otherwise the adjustment functions may be impaired or the actuators may be overloaded. Do not use spring mattresses.

We recommend using mattresses that have a minimum volume weight of 40 kg/m³ (RG 40). This is always guaranteed with wissner-bosserhoff standard mattresses. Please refer to the following list for the suitable mattress dimensions for the corresponding mattress support platforms:

Model	Mattress dimensions
Beds with standard mattress support platform	12-16 cm x 87-90 cm x 200 cm



10.2 Air2Care

The bed is compatible with Air2Care 5 and 6 mattresses. The operation and assembly of the Air2Care mattress is described in the instructions for use supplied with the product.



This is an alternating pressure mattress. With its 2-cell alternating pressure, it provides regular pressure relief for the resident. The inside of the mattress consists of an individual cell construction. These cells can be individually vented. This allows for the pressure equalisation of individual body areas such as the heels.

The 2-cell alternating pressure system redistributes the pressure in alternating pressure mode and thus ensures regular relief. Air2Care can thus contribute to the prevention of pressure injuries within the framework of targeted, individual wound care management.



Caution!

It does not replace complete pressure ulcer prevention, it merely serves as a support for the preventive measures. The physical condition of the residents must still be monitored by trained staff.

The Air2Care mattress has a CPR quick function to enable cardiac massage as quickly as possible in an emergency.



- With a simple turn of the CPR knob, chest compressions can be started immediately with the mattress deflated. You will find this on the outside of the mattress
- Alternatively, the air hose can be disconnected from the control unit.

Item.	Designation	Article no.	Reference
1	Air2Care 5	50-0896	-
2	Air2Care 6	50-0897	-

10.3 Mobilisation

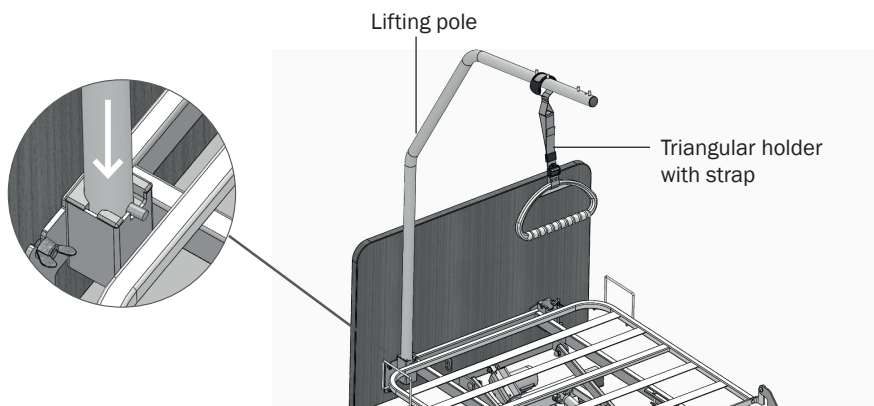
10.3.2 Lifting pole

The holder for the lifting pole is located on the head side of the mattress support platform frame.



Caution!

The triangular holder and strap are made of high-quality plastic. However, all plastics are only somewhat resistant to ageing, so that the triangular holder or strap can break or tear after a long period of use. This can cause injuries. Replace the triangular holder and strap after 5 years at the latest. The year of manufacture is stamped on the product.



If you want to attach a patient lifting pole:

- Place the patient lifting pole in its holder from above.
It is held in its height position by a bolt.
- Turn the patient lifting pole so that the bolt is in one of the notches of the holder.
Longitudinally or laterally are both possible.



Caution!

The triangular holder and strap can break or tear under heavy load, causing injury. Only use a patient lifting pole when it is loaded with a maximum of 75 kg.

- Hang the triangular holder with the strap on the patient lifting pole.



Deformed lifting poles must be replaced immediately and their use discontinued!



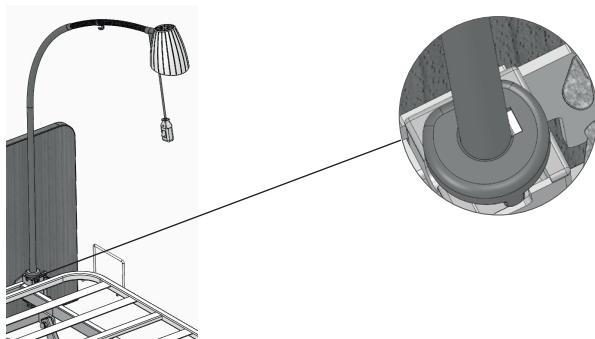
Variants

Item.	Designation	Article no.
1	Lifting pole with 4 retaining pins, white aluminium (RAL 9006)	04-0674-0000
2	Trapezoidal handle for lifting pole, light grey	01-009160
3	Oval trapezoidal handle II with retractable strap, light grey	10-0502

10.4 Lights/lighting

10.4.1 Reading light

Like the lifting pole or the infusion holder, the Lymera II LED reading light is inserted into the accessory holders at the head of the bed.



Variants

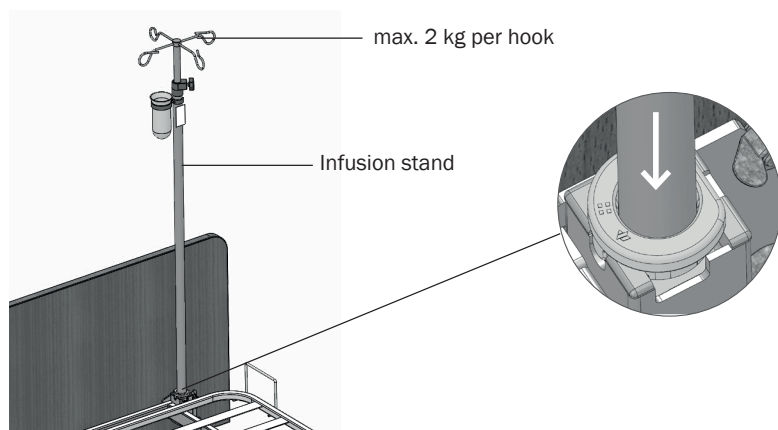
Item.	Designation	Article no.	Reference
1	Lymera II comfort LED reading light	50-0980	GA 01-012878

10.5 Supply

10.5.1 IV pole

The infusion stand is intended exclusively for hanging infusions. It may not be used for attaching infusion pumps.

→ The infusion stand may be loaded with a total of max. 8 kg, whereby each hook may be loaded with max. 2 kg.



The holder for the infusion stand is located on the head side of the mattress support platform frame.

If you want to attach an infusion stand:

- Place the infusion stand in its holder from above.
- Turn the infusion stand so that the pin of the holding sleeve lies in one of the notches of the lifting pole holder.

Variants

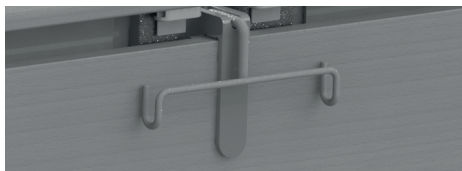
Item.	Designation	Article no.	Reference
1	Infusion stand, straight	50-0694	MA 01-010949
2	Infusion stand, at a 45° angle	50-0693	MA 01-010949
3	Infusion stand for lifting pole, powder-coated	50-0003	-



10.5.2 Accessory holder

The accessory holder is used to attach a urine bag holder (left), urine bottle basket (right) or similar accessories. It is attached to the side panel or to the side rail.

For continuous 09 side rails:



➔ The maximum permitted load on the accessory holder is 2 kg.

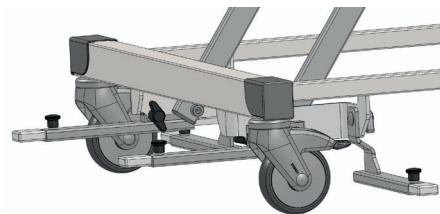
Item.	Designation	Article no.
1	Accessory holder for attachment to the continuous side rail	10-0422
2	Urine bag holder	50-0167
3	Urine bottle basket	50-0345



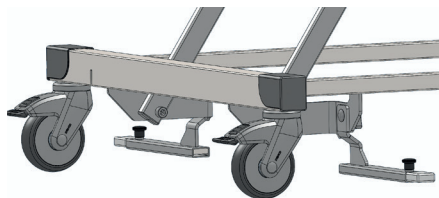
10.6 Telescopic wall spacers

The wall spacers are also available in telescopic versions.

head end



foot end



The wall spacers (WS) are fitted and screwed onto the chassis of the bed.

- To adjust the length, turn the knob and pull it upwards at the same time. Extend the telescopic arm to the desired length, and then lower and tighten the knob.

Variants

Item.	Designation	Article no.	Reference
1	Telescopic lateral WS (8x20 mm)	10-0936	follows
2	Telescopic head-end WS (8x20 mm)	10-0944	follows

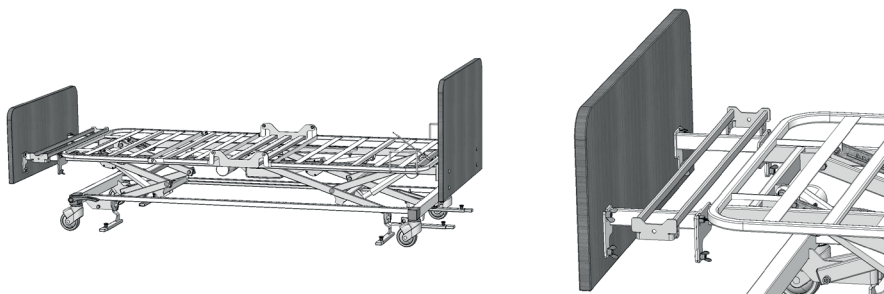


10.7 Bed extensions and matching accessories

10.7.1 Extensions of the mattress support platform

The movita sc nursing home bed offers the option of extending the mattress support platform. An extension of the mattress support platform is attached as follows.

Extension element of the mattress support platform



The movita sc nursing home bed can be extended by 20 cm. This extension of the mattress support platform is done by using an extension element available as an accessory.

If you wish to extend the mattress support platform of your nursing home bed, please contact your service partner. You will find the address at the end of these instructions.

Item.	Designation	Article no.	Reference
2	Extension element 20 cm	01-012862	follows
2	220 cm 09 side rail set	follows	follows
3	Extension pad	50-0075	follows



10.8 Protection and safety

10.8.1 SafeSense®

The SafeSense® bed exit assistant informs nursing staff when a resident leaves their bed. To help provide better orientation at night, it offers the resident automatic underbed light. Other applications must be agreed in writing with wissner-bosserhoff GmbH in advance. For details on operation and installation, see GA 01-010136.



The operation and installation of SafeSense® is described in the instructions for use supplied with the unit.

Variants

Item.	Designation	Article no.
1	SafeSense® bed exit system 1 (cable)	50-0982
2	SafeSense® bed exit system 2 (radio)	50-0983
3	Call receiver (for connection to the call system)	50-0681-000 (EU), 50-0772-0000 (Australia), 50-0772-0001 (Canada)
4	Adapter cable with or without ON/OFF switch for connection to call system (always necessary), custom-er-specific configuration	04-1508 / 04-1608
5	with retaining plate for single drives	01-012859
6	RCL07 radio receiver	50-0681
7	SafeSense® 1 and SafeSense® 2 plug-in power supply	01-010084



10.9 General accessories

10.9.1 Fall prophylaxis mat



Item.	Designation	Article no.
1	Fall prophylaxis mat, grey	50-0206

10.9.2 Side section padding



Item.	Designation	Article no.
1	Side section padding, 09 continuous side panels	50-0338

11. Cleaning and disinfection

The nursing home bed is to be cleaned and disinfected at regular intervals (e.g. according to the specifications of the current hygiene plan), in case of special need (acute contamination), but at least before each change of resident according to the current hygiene plan.



Danger!

There is a greatly increased risk of electric shock or fire when liquids come into contact with electrical components. Therefore, disconnect the bed from the mains before cleaning/disinfection.



Caution!

Damaged surfaces should be repaired/replaced immediately as they cannot be properly cleaned/disinfected and allow liquids to penetrate the interior of components. There is thus a risk of infection and damage to the bed.



Attention!

The nursing home bed must not be cleaned/disinfected in a washing machine or with spray water. Only wipe cleaning/wipe disinfection is permissible.



Attention!

In case of uncertainty, first test the suitability of the cleaning/disinfecting agent for the respective surface on a non-visible area.



Attention!

After cleaning/disinfection, make sure that proper neutralisation has taken place and that no moisture or detergent residues remain on the surfaces.

11.1 Cleaning

The furniture surfaces of wissner-bosserhoff products comply with the requirements of EN 12720 for furniture surfaces exposed to chemical stress, and therefore have excellent resistance to usual, normal stresses.

However, no cleaners or detergents may be used that contain corrosive or mechanically abrasive components and act as scouring agents.

Only all-purpose cleaners that are neutral or weakly alkaline (soap suds) and contain surfactants or phosphates as cleaning-active components are to be used. The cleaning agents must have a pH value of 6 - 8 in the prescribed application concentration and must not exceed a chloride content of 100 mg/l and an alcohol content of 5%.

You can find a list of suitable cleaning agents and disinfectants here:

<https://www.wi-bo.com/en-DE/contact>

Dose the all-purpose cleaner according to the detergent manufacturer's instructions.



11.2 General procedure for cleaning/disinfection

Preparation

- Move the bed to its highest position and adjust the backrest slightly.
- Disconnect the bed from the power supply.
- Lock the brakes and pull up the side rails.
- Make sure that the product is free of coarse impurities and dirt particles that could damage the surface during cleaning/disinfection.
- Dose cleaning agents or disinfectants exactly according to the manufacturer's instructions.
- Use a soft cloth that has been slightly moistened with the all-purpose cleaner/disinfectant solution.

Sequence of cleaning/disinfection of components

- Handrails of the head and foot ends
- Inside and outside of the head and foot ends (if padding is present, see chapter "Cleaning padding")
- Handrails and release buttons of the side rails
- Front and back of the side rails
- Handset incl. handset hook and bracket if present
- all accessories attached to the bed
- Top and bottom of the mattress
- Mattress support platform elements, top frame
- Undercarriage, brake lever

Follow-up

- Finally, wipe the product thoroughly with a soft, slightly damp cloth (water only) to neutralise it.
- Make sure that the product is free of detergent and disinfectant residues.
- Dry the product with an absorbent, lint-free cloth.
- Make sure that no moisture/wetness has remained on the surfaces or penetrated into gaps.
- Reconnect the bed to the power supply.



11.3 Notes on disinfection

A prerequisite for effective disinfection is prior cleaning of the bed.

Only suitable disinfectants may be used that correspond to the disinfectants described in Annex 1 of EN 12720 Part 1 or to the agents on the DGHM or RKI list. The application (e.g. concentration) of the disinfectants should be carried out exactly according to the instructions of the respective disinfectant manufacturer.

If there is any doubt about the suitability of a particular disinfectant, please contact us or the detergent manufacturer.

You can find a list of suitable cleaning agents and disinfectants here:

<https://www.wi-bo.com/en-DE/contact>

11.4 Special feature: real wood parts (accessories)

We have used materials of the highest quality to create a product with a high utility value and a homely, real-wood aesthetic for you. Slight differences in brightness, contrast and colour between veneer surfaces, solid wood parts or decorative surfaces (melamine, HPL) as well as inclusions in the real wood materials due to growth do not constitute a defect.

Lacquered real wood parts (studs of the head and foot boards) must be cleaned/disinfected with special care as they are particularly sensitive to moisture. No moisture of any kind may remain on these surfaces, otherwise damage to the lacquer finish and the wood may occur.

11.5 Recommended cleaning/disinfection intervals

Daily cleaning

It is recommended to clean all parts of the bed that are frequently touched by the resident or staff (e.g. side rails, bed ends, handset, lifting pole, etc.).

Cleaning when residents change

It is recommended to completely clean and disinfect all parts of the bed that are frequently touched by residents or staff (see daily cleaning) such as the mattress support platform, chassis covers and mattress.

Complete cleaning/cleaning before first use

It is recommended to clean the bed before the first use and then at least every 4-8 weeks.

Removing spilled liquids

Spills should be cleaned up as soon as possible. Always disconnect the bed from the mains before cleaning up spills. Some liquids used in healthcare can cause permanent stains.



12. Maintenance and servicing

Operators of nursing home beds are subject to the

- German Medical Device Operators Ordinance (MPBetreibV) / Section 7 Maintenance of medical devices
- German Social Accident Insurance (DGUV) Regulation 3 / Safety testing of portable electrical equipment and operating resources in commercial use

and are obliged to maintain the safe condition of medical devices throughout their entire period of use. This also includes regular, professional maintenance and safety checks.

nursing home beds from wissner-bosserhoff GmbH are designed to have a useful lifespan of up to 15 years. The beds are therefore extremely low-maintenance. This is because, during the development of the products, attention was paid to ensuring the lowest possible maintenance effort with low operating costs.

In daily operation, however, experience has shown that careless handling of products and harsh operating conditions also lead to faster ageing and wear of certain components, without the manufacturer being able to have any direct influence on this.

The manufacturer is only liable for the safety and reliability of the product if it is regularly maintained and used in accordance with the operating, usage and safety instructions in these instructions for use.

If a visual inspection or functional check, general inspection, measurement or maintenance reveals serious defects that cannot be rectified, the product must be deactivated and its use discontinued! In addition to the regular, comprehensive checks carried out by qualified technical personnel, the users (caregivers, relatives providing care, etc.) must also carry out a brief visual and functional check at shorter, regular intervals. This applies in particular before each new occupancy.

RECOMMENDATION: The safety technical check (STC) and DGUV Regulation 3 should take place at 12-month intervals together with the mechanical maintenance, with proven compliance with the 2% error rate (cf. DGUV Regulation 3: Section 5, Table 1B). If a defect rate of less than 2% is achieved, the interval can be extended to a maximum of 2 years (taking into account the manufacturer's specifications) under the customer's own responsibility.

The following sequence of inspections is to be observed according to

IEC 62353-VDE 0751-1:

1. Visual inspection
2. Electrical measurement
3. Functional check



Visual inspection and function test

- According to Section 7 of the MPBetreibV and IEC 62353-VDE 0751-1, these tests may only be carried out by skilled persons who have the necessary training and tools, and who are not bound by instructions.

Electrical measurement

- The electrical measurement according to IEC 62353-VDE 0751-1 may also be carried out by instructed personnel (e.g. in-house technicians) within the meaning of DGUV Regulation 3 with additional medical and bed-specific knowledge if suitable measuring equipment is available.
- The evaluation and documentation of the test results, on the other hand, may only be carried out by a qualified electrician with additional medical and bed-specific knowledge.

The correct performance of the technical safety checks (exclusively by authorised personnel) applies above all during the warranty period, as failure to comply may result in the loss of any warranty claims.

DGUV Regulation 3 / IEC 62353-VDE 0751-1- Short checklist

Visual inspection

- Mechanical components: (chassis, side rails, wooden edging, mattress support platform frame, lifting pole mount)
- Electric system: Mains and handset cable, handset
- Leakage current test (difference ΔI without load)

12.1 Spare parts



Danger!

There is a greatly increased risk of electric shock or fire when using non-compatible electrical components. Replace electrical components only with original spare parts.

Only original spare parts from wissner-bosserhoff GmbH may be used.

The customer service team, the sales department or the technical advice centre can provide additional information on spare parts deliveries by telephone. Have the information from the nameplate, order number and delivery note ready.

Our qualified technical customer service team is at your disposal:

Tel.: +49 (0) 2377 784 456

Fax: +49 (0)2377 784 150



12.2 Troubleshooting

Malfunction	Possible cause	Remedy
Electromotive adjustments are not made properly	Mechanical blockage	Check moving parts and remove foreign objects
No electromotive adjustments	The handset is defective or not plugged in correctly	- Pull out the mains plug, wait 3 minutes and plug in again - Reset the handset - Contact Wibo customer service
	The plug is not connected to the power supply or the battery (if present) is empty	Connect the mains plug to the mains supply
	The system has been overloaded and the thermal fuse has switched off the system; the fuse has tripped	Wait for the cooling phase to elapse (up to 18 min.). If the system still does not work after this, contact our customer service team.
Error sound during height adjustment. Height, comfort seat and automatic prophylaxis can no longer be adjusted	Faulty switching of the motor	Contact the technical support team
The side rail can no longer be properly adjusted	There is a mechanical blockage	Check moving parts and remove foreign objects
	A mechanical component is bent	Contact our customer service team
The castors do not brake or cannot be rolled	Foreign bodies have twisted into the rollers over time	Remove foreign bodies
	The roller system is defective	Contact our customer service team
The handset does not work	Handset locked, not plugged in correctly or defective	- Pull out the mains plug, wait 3 minutes and plug in again - Reset the handset - Unlock the handset, check the plug connection or contact the Wibo customer service team

12.3 Repairs and maintenance work

Repairs

In the event of a defective bed, have it repaired immediately by the manufacturer's customer service team or by authorised personnel certified by the manufacturer. Block the defective bed from operation and do not use it until it has been repaired or you have received clearance for use from the above-mentioned personnel.



Caution!

Risk of injury due to faulty bed.

Maintenance work

Ensure that maintenance work is only carried out by the manufacturer's customer service team or by authorised personnel certified by the manufacturer. This applies especially during the warranty period, as improper maintenance by unauthorised personnel can lead to the loss of any warranty claims.



Caution!

Material damage due to improper maintenance.

12.4 Storage

When stored, the movita sc nursing home bed may be exposed to environmental conditions within the following limits:

Ambient temperature	+10 °C - +40 °C
Relative humidity	30% - 75%
Air pressure	800 hPa - 1060 hPa



Attention!

If the movita sc nursing home bed has been stored or transported in low temperatures, it needs a certain time and temperature to acclimatise. If the acclimatisation time is too short or the temperature is unsuitable, the movita sc nursing home bed may be damaged and fail. Acclimatise the nursing home bed for at least 12 hours after severe temperature fluctuations.

For storage, you must prepare the nursing home bed as follows:

Pull out the mains plug.

- Remove all accessories, such as lifting pole, serving tray, etc.
- Remove the battery.
- Cover the nursing home bed so that it is protected from damage.
- Make a written note of the date of putting into storage. This will enable you to comply with the maintenance deadlines.



13. Disposal

This appliance falls within the scope of EC Directive 2002/96/EC (WEEE). It is not registered for use in private households. Disposal via the municipal collection points for waste electrical equipment is not permitted. Wissner-bosserhoff GmbH is responsible for the legally compliant disposal of this device. For further information, please contact your responsible sales partner or, within Germany, contact us directly.

If you pass the unit on to a commercial third party, you are contractually obliged to inform the third party that it must dispose of the unit properly when it is no longer to be used. If you fail to do so, you will be responsible for the proper disposal of the unit after the third party has finished using it.

The nursing home bed contains lead-gel batteries, electrical parts and metal parts. It may also contain plastic parts made of ABS, PA, PUR, PE.

The metal and plastic parts involved in maintenance and repair must be disposed of properly and correctly in accordance with the laws and regulations. The electric motors and the electric control system in particular may only be disposed of by specialist companies and disposal centres approved for this purpose.

14. Warranty

The statutory warranty regulations apply for 24 months.

This warranty covers all faults and malfunctions caused by the material and manufacturing errors. Faults and errors caused by improper handling and external influences are not covered. Should there be cause for justified complaints within the warranty period, these will be rectified free of charge. Warranty claims can be made with the proof of purchase, which bears the date of purchase. Our terms and conditions of business and delivery apply.

15. Technical data

Outer dimensions of the mattress support platform	200 × 90 cm (basic equipment) 205 × 90 cm (incl. head and foot board)
Nominal dimensions of the mattress support platform	87/90 × 200 cm
Height adjustment	25 - 80 cm (depending on castor type); Speed: 18 mm/s loaded 16.5 mm/s unloaded
Backrest adjustment	72° ± 2° incl. back section retraction RLR by approx. 11.5 cm; Speed: unloaded 2.5° per second, loaded 2° per second
Thighrest adjustment	32° ± 2° incl. thighrest section retraction by approx. 4.8 cm; Speed: unloaded 2.5° per second, loaded 2° per second
Tilting	Head approx. 12° / foot approx. 12°
Safe working load*	205 kg (170 kg resident weight, 35 kg mattress + accessories)
Bed weight	approx. 80 kg in the basic version
Protection rating	IPX4
Protection class	II
Clearance of undercarriage, bed lift	15 cm
Duty cycle	INT 2 min./18 min. The unit is not designed for continuous operation. After 2 min. of full load operation, an 18 min. break is recommended.
Maximum noise level	approx. 50 dB(A)
Application environment	3, 4 and 5
Humidity	30% - 75%
Atmospheric pressure	800 hPa - 1060 hPa
Ambient temperature	+10 °C - +40 °C



Manufacturer	 wissner-bosserhoff GmbH Hauptstrasse 4 – 6 58739 Wickede (Ruhr) GERMANY Tel. +49 (0)2377 7840
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Drives, height adjustment	
Electrical connection	29 V DC
Protection rating	IPX4
Compressive force	2 x 6000 N

Drives, bedding area	
Electrical connection	29 V
Protection rating	IPX4
Compressive force	3000 N backrest, 3000 N thighrest, without emergency lowering

*** Manufacturer's recommendation:** The maximum resident weight can be increased depending on the weight of the mattress and accessories used. Example: safe working load 205 kg - mattress 15 kg - accessories 20 kg = max. patient weight 170 kg. When using heavier mattresses/accessories, the maximum resident weight changes accordingly!



16. Classification and applied standards

According to Annex VIII, #13 of the Medical Devices Regulation (MDR) 2017/745, the movita sc nursing home bed is a Class I medical device.

Naming	Comment
MDR 2017/745	EU Medical Devices Regulation
MPDG	Medical Device Law Implementation Act (national implementation)
DIN EN ISO 14971	Application of risk management to medical devices
IEC 62366-1	Usability
DIN EN 60601-1 (applicable sections)	Medical electrical equipment
DIN EN 60601-2-52 (applicable sections)	Medical beds
BfArM - Recommendations	Recommendations of the Federal Institute for Drugs and Medical Devices
DIN EN 60529 VDE 0470-1	Protection classes by enclosure IP code (protection against moisture)
EN 50419 Directive 2002/96/EC (WEEE)	Labelling of electrical and electronic equipment

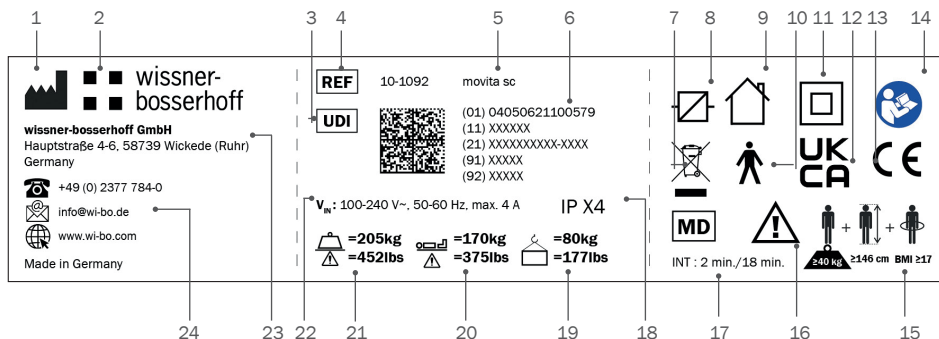


17. Product labeling

17.1 Symbols used

	General warning!	Black exclamation mark in a yellow triangle
	Follow the instructions for use!	White person on a blue background
	Type B applied part	
	The appliance is subject to EC Directive 2002/96/EC (WEEE), among others. It was placed on the market after 13/08/2005.	
	Adult identification (minimum weight, minimum height, minimum BMI)	
	QR code for accessing operating videos	
	UDI (Unique Device Identification) symbol	
	MD (Medical Device) symbol	
	UKCA symbol (UK Conformity Assessed) - Product label for Great Britain	

17.2 Bed type plate



1	Manufacturer symbol
2	Company logo
3	UDI symbol
4	Article number
5	Model name
6	Data matrix code incl. plain text: GTIN, date of manufacture, serial number, internal data
7	Attention! Electrical waste – observe the statutory guidelines for the disposal of old appliances.
8	Switching power supply
9	for indoor use only
10	Type B applied part (classification according to the degree of protection against electric shock)
11	Protection class II device (classification according to type of protection against electric shock)
12	UKCA mark
13	CE mark
14	Mandatory sign: observe instructions for use
15	Adult identification (minimum weight, minimum height, minimum BMI)
16	General warning sign
17	Duty cycle (2 min. operation, 18 min. rest)
18	Code letters for protection classes according to DIN EN IEC 60529 (VDE 0470-1)
19	Total weight of bed
20	Max. resident weight
21	Safe working load
22	Input voltage/frequency/apparent power
23	Company name, company address/point of contact
24	Manufacturer's contact details



18. Electromagnetic compatibility

Table 1:Guidelines and manufacturer's declaration - Electromagnetic emissions - for all ME equipment and ME systems

The movita sc nursing home bed is intended for operation in an ELECTROMAGNETIC ENVIRONMENT as specified below. The customer or the user of the movita sc nursing home bed should ensure that it is operated in such an environment.		
Interference emission measurements	Compliance	Electromagnetic environment - Guidelines
HF emissions according to CISPR 11	Group 1	The movita sc nursing home bed uses HF energy exclusively for its internal function. Therefore, its HF emission is very low and it is unlikely to interfere with nearby electronic equipment.
HF emissions according to CISPR 11	Class [B]	The movita sc nursing home bed is suitable for use in all facilities, including those in residential areas and those directly connected to the PUBLIC SUPPLY NETWORK, which also supplies buildings used for residential purposes.
Emission of harmonic currents IEC 61000-3-2	[Complies]	
Emission of voltage fluctuations/flicker IEC 61000-3-3	[Complies]	

Table 2: Guidelines and manufacturer's declaration - Electromagnetic immunity - for all ME equipment and ME systems

The movita sc nursing home bed is intended for operation in an ELECTROMAGNETIC ENVIRONMENT as specified below.			
IMMUNITY TESTS	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT - GUIDELINES
Static electricity discharge (ESD) (IEC 61000-4-2)	± 8 kV contact discharge ± 15 kV air discharge	± 8 kV contact discharge ± 15 kV air discharge	Floors should be made of wood or concrete or have ceramic tiles. If the floor is covered with synthetic material, the relative humidity must be at least 30%.
Electrical fast transients/bursts (IEC 61000-4-4)	± 2 kV for mains lines ± 1 kV for input and output lines	± 2 kV for mains lines ± 1 kV for input and output lines	The quality of the supply voltage should correspond to that of a typical business or hospital environment.
Surge voltages (IEC 61000-4-5)	± 1 kV outer conductor-outer conductor voltage ± 2 kV phase-to-earth voltage	± 1 kV outer conductor-outer conductor voltage ± 2 kV phase-to-earth voltage	The quality of the supply voltage should correspond to that of a typical business or hospital environment.
Voltage dips, short interruptions and fluctuations of the supply voltage (IEC 61000-4-11)	$< 5 \% U_T$ $(>95 \% \text{ dip in } U_T)$ for $\frac{1}{2}$ period $40 \% U_T$ $(60 \% \text{ dip in } U_T)$ for 5 periods $70 \% U_T$ $(30 \% \text{ dip in } U_T)$ for 25 periods $< 5 \% U_T$ $(>95 \% \text{ dip in } U_T)$ for 5 sec	$< 5 \% U_T$ $(>95 \% \text{ dip in } U_T)$ for $\frac{1}{2}$ period $40 \% U_T$ $(60 \% \text{ dip in } U_T)$ for 5 periods $70 \% U_T$ $(30 \% \text{ dip in } U_T)$ for 25 periods $< 5 \% U_T$ $(>95 \% \text{ dip in } U_T)$ for 5 sec	The quality of the supply voltage should correspond to that of a typical business or hospital environment. If the user of the movita sc nursing home bed requires continued function even in the case of power supply interruptions, it is recommended that the nursing home bed be powered by an uninterruptible power supply or by a battery.
Magnetic field at supply frequency (50/60 Hz) (IEC 61000-4-8)	30 A/m	30 A/m	Magnetic fields at the mains frequency should correspond to typical values found in business and hospital environments.
NOTE: U_T is the mains AC voltage before the application of the test levels			



Table 3: Guidelines and manufacturer's declaration - Electromagnetic immunity - for all ME equipment and ME systems that are not used for life support

The movita sc nursing home bed is intended for operation in an ELECTROMAGNETIC ENVIRONMENT as specified below. The customer or the user of the movita sc nursing home bed should ensure that it is operated in such an environment.			
IMMUNITY TESTS	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT - GUIDELINES
Conducted HF disturbances (IEC 61000-4-6)	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile radio devices should not be used at a distance from the movita sc nursing home bed and cables that is shorter than the recommended safety distance calculated according to the equation applicable to the transmission frequency. Recommended protective distance $d=0.35 \cdot \sqrt{P}$ $d=0.35 \cdot \sqrt{P}$ 80 MHz to 800 MHz $d=0.35 \cdot \sqrt{P}$ 800 MHz to 2.7 GHz With P being the nominal power of the transmitter in watts (W) according to the transmitter manufacturer and d the recommended safety distance in metres (m). A study should be conducted on-site^a to determine the compliance level^b. The field strength of stationary radio transmitters should be less than this at all frequencies. Interference is possible in the vicinity of devices bearing the following symbol.
	6 Vrms 150 kHz to 80 MHz	6 Vrms	
Radiated HF disturbances (IEC 61000-4-3)	3 V/m 80 MHz to 2.7 GHz	3 V/m	
	10 V/m 80 MHz to 2.7 GHz	10 V/m	



Radiated fields at close range (IEC 61000-4-39)	8 A/m Frequency: 30 kHz Modulation: CW	8 A/m	Magnetic fields at close range should correspond to those typically found in commercial and hospital environments.
	65 A/m Frequency: 134.2 kHz Modulation: PM 2.1 kHz	65 A/m	
	7.5 A/m Frequency: 13.56 MHz Modulation: PM 50 kHz	7.5 A/m	
NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.			
NOTE 2: These guidelines may not be applicable in all cases. The propagation of electromagnetic quantities is influenced by absorption and reflections of buildings, objects and people.			

^a The field strength of stationary transmitters, such as base stations of radio telephones and land mobile radios, amateur radio stations, AM and FM radio and television transmitters, cannot be theoretically predicted with certainty. To determine the electromagnetic environment with regard to the stationary transmitters, a study of the electromagnetic phenomena of the site should be considered. If the measured field strength at the location where the movita sc nursing home bed is used exceeds the compliance levels above, the movita sc nursing home bed should be observed to prove that it is functioning as intended. If unusual performance characteristics are observed, additional measures may be necessary, such as changing the orientation or location of the movita sc nursing home bed.

^b Across a frequency range from 150 kHz to 80 MHz, the field strength should be less than 3 V/m.

Table 4: Recommended safety distances between portable and mobile HF telecommunication equipment and the ME equipment or ME system - for ME equipment or ME systems that are not used for life support

Recommended safety distances between portable and mobile HF telecommunication devices and the movita sc nursing home bed			
The movita sc nursing home bed is intended for operation in an ELECTROMAGNETIC ENVIRONMENT in which the HF disturbance variables are controlled. The customer or the user of the movita sc nursing home bed can help to avoid electromagnetic interference by maintaining the minimum distance between portable and mobile HF telecommunication devices (transmitters) and the movita sc nursing home bed – depending on the output power of the communication device, as indicated below.			
Nominal power of the transmitter [W]	Safety distance, depending on the transmission frequency [m]		
	150 kHz to 80 MHz $d=0.35 \cdot \sqrt{P}$	80 MHz to 800 MHz $d=0.35 \cdot \sqrt{P}$	800 MHz to 2.7 GHz $d=0.35 \cdot \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.69	3.69	7.38
100	11.67	11.67	23.33
For transmitters whose maximum power rating is not specified in the above table, the recommended distance d in metres (m) can be determined using the equation in with the respective column, whereby P is the maximum power rating of the transmitter in watts (W) as specified by the transmitter manufacturer.			
NOTE 1:	At 80 MHz and 800 MHz, the higher frequency range applies.		
NOTE 2:	These guidelines may not be applicable in all cases. The propagation of electromagnetic quantities is influenced by absorption and reflections of buildings, objects and people.		



19. Safety instructions and residual risks

- 1) The specifications on the type plate must be observed.
- 2) The bed must not be operated if it has defects that could endanger persons.
- 3) Before using the bed, the user must verify the functional safety and proper condition of the bed.
- 4) The bed may need to be functionally tested daily or at each change of shift to ensure that the bed can be used as intended without danger to the patient and the user.
- 5) Adjustments of the side rails are to be made by the staff. When adjusting the mattress support platform positions, the care personnel must ensure that the resident does not come into contact with the side rails, in order to avoid crushing of the hand, leg or other body parts.
- 6) Extremelateral leaning of the upper body should be avoided.
- 7) Do not load the side rails with more than 75 kg vertically and 50 kg horizontally.
- 8) The functions on the handset are to be locked or released depending on the physical and mental condition of the patient. The effectiveness of the locking functions must be checked on the handset.
- 9) Since the system can be powered by battery, it is not sufficient to disconnect the mains plug when the motors malfunction. If a malfunction occurs, please contact the customer service team.
- 10) Lay the mains connection cable and the supply cable to the handset in such a way that they cannot be crushed, and do not place any objects on the connection and supply cables.
- 11) Care should be taken not to leave the handset in care mode. Otherwise, the resident may be put in risky positions, such as a misapplied Trendelenburg position.



12) Improper use of the bed can result in hazards due to:

- Unauthorised operation of the electrical functions when positioning the bed in an uncontrolled manner
- Operation of the functions of the bed by the patient without prior instruction
- Simultaneous operation of the electrical functions by several persons
- Connection of unintended electrical devices to the bed
- Moving the bed by pulling the mains cable or the side panels
- Unplugging the mains plug from the power supply by pulling on the mains cable
- Lack of protection of the connection and supply cables from sharp edges or other mechanical stress (e.g. running over the mains cable)
- Movement of the bed on unpaved ground
- Use of the bed on sloping ground with an angle of inclination of 10° or more
- Devices that generate strong electromagnetic fields and may have an influence on the control of the bed are not permitted in the immediate vicinity of the bed (e.g. mobile phones)
- Before cleaning or servicing the bed, always disconnect the mains plug from the power supply
- Constantly dripping fluid in the motor area (e.g. in case of incontinence)
- Improper repair work on the electrical equipment

13) Safety instructions - Measures for safe operation of hospital & nursing home beds:

- Electrical components of hospital and nursing home beds may only be repaired and maintained by the manufacturer or by specialist personnel who have been specially trained by the manufacturer. Otherwise, there is a risk that special procedures will not be carried out properly due to ignorance of the product functionalities and an increased risk of electric shock or fire will result.
- A safe place must be provided on the bed for the handset so that playing with the handset can be prevented.
- Permanently bedridden immobile patients/residents can suffer pressure ulcers if not provided with further positioning aids (e.g. decubitus mattresses) and special nursing measures for decubitus prophylaxis. In no way is the manufacturer of the bed responsible for this.
- The product is expressly not suitable for continuous operation. If the specified duty cycle is exceeded, the actuator may heat up and automatically switch off. The actuator must first cool down for at least two hours, and can only be put back into operation after this time has elapsed.
- Blocking of the bed or parts of the bed mechanical system must be avoided, as this can lead to damage and total failure of the drive due to overheating.
- It is essential to avoid exceeding the safe working load, as this may result in damage and total failure of the drive.



20. Application instructions for nursing home beds

NORMAL USE AND PURPOSE OF NURSING HOME BEDS

A nursing home bed may only be commissioned, operated and used in accordance with its intended purpose, in compliance with the provisions of medical products legislation, the associated ordinances, the generally recognised rules of technology and the occupational health and safety and accident prevention regulations. A nursing home bed must not be operated in a defective condition in which the bed could endanger patients, nursing staff or third parties.

The specifications of the respective instructions for use apply.

The following points must be observed:

- In general, the professional judgement of the responsible caregiver (medical supervisor) is necessary to ensure the safe use of nursing home beds. The physical, psychological and medical needs and condition of the patients must be considered. Accordingly, the bed functions must be released or blocked individually for each resident. This applies in particular to products with special swivel options for the mattress support platform and when using side rails.
- The nursing home beds are not explosion-proof and must not be used in application rooms where flammable anaesthetics, flammable cleaning agents or solvents or possibly flammable substance-air mixtures are to be found. In this respect, the regulations of the employers' professional associations must be observed.
- Any use that deviates from this intended purpose constitutes improper use and is excluded from any liability claims.

21. Basic functions and benefits of nursing home beds

Modern nursing home beds have numerous positioning functions, which are described in detail in the respective instructions for use of the product. The full benefit of a nursing home bed can only be achieved through careful training of the users and the residents of a care facility. Please repeat this training as regularly as possible and pay particular attention to the necessary safety rules, which must be observed.

- In general, there is always the risk of unintentional or incorrect adjustment of the bed. Accidental switch actuations or unintended function releases may therefore endanger certain patients/residents! In order to ensure a high level of protection for patients/residents, it is crucial to use locking devices and/or release keys in a targeted manner.
- The use of the locking devices and, if necessary, the deliberate disconnection of the bed from the mains – as an absolute locking measure for maximum protection of a possibly endangered patient/resident – is exclusively at the discretion and responsibility of the responsible



medical supervisor and nursing staff. Such measures should be noted in the shift report to ensure proper shift handover.

- The use of the special positioning options, e.g. stepped bed positioning or a relative head-down position as a shock position, is expressly permitted only for medical supervisory staff. These functions must be locked for patients and residents, otherwise hazards may occur.

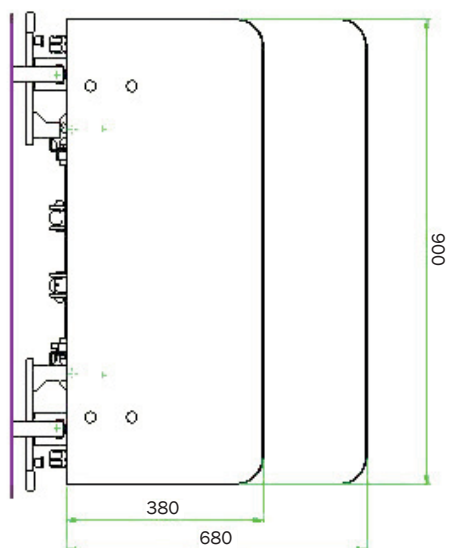
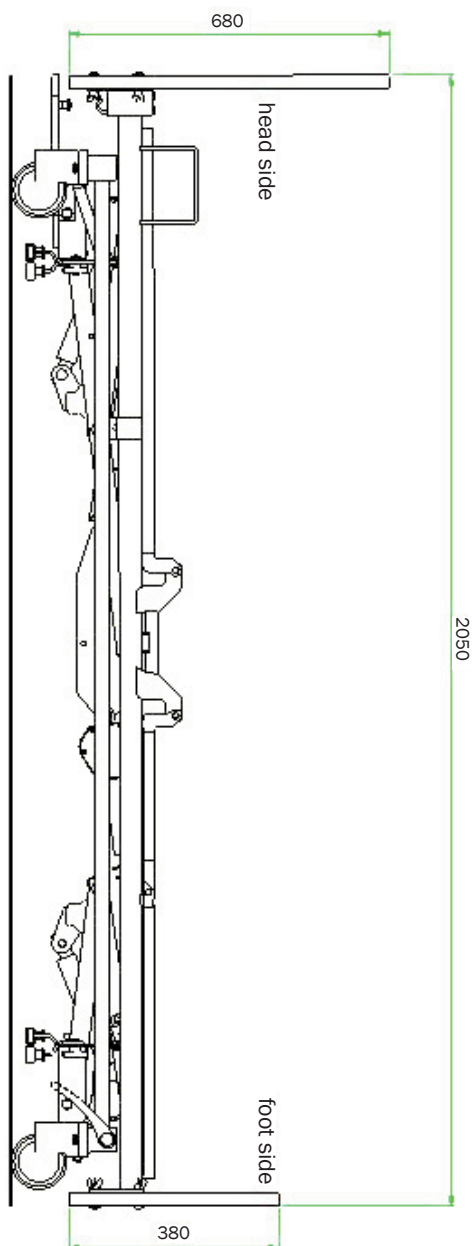
The safety instructions in the special product instructions for use must be observed, otherwise hazards will arise.

- Only use side rails on the beds that are also approved for the respective bed type, otherwise there is an increased risk of accidents.
- The side guards/side rails must be checked for any damage, for secure attachment to the bed and for proper functioning of the safety lock before each use! Information on the correct handling of the side rail can be found in the respective product instructions for use.
- The use of the handset by the resident themselves is solely at the discretion and responsibility of the responsible medical supervisor and nursing staff. Measures taken in this regard should be noted in the shift report or in the nursing documentation to ensure proper shift handover and traceability of rights of use.
- If the handset is not to be used by the resident, it must be securely protected against access by the resident and against entrapment – by completely locking the handset and hanging it, e.g. on the foot board of the bed.
- The handset must not fall to the ground, be overloaded by weight or immersed in liquids. Cleaning should be done with cleaning cloths for PC keyboards. In case of mechanical or moisture damage, the remote controls must be replaced immediately. The supply lines must also be checked regularly for damage at shorter intervals.



22. Technical drawing

Please note that the dimensions are in mm.



23. Declaration of Conformity



EU Declaration of Conformity



Name and address of the manufacturer:

wissner-bosserhoff GmbH
Hauptstraße 4-6
58739 Wickede (Ruhr)
Deutschland
SRN: DE-MF-000006538

We declare under our sole responsibility that

the nursing home beds of the model series:

variana, movita sc, carisma sc



Basis UDI-DI: 4050621HOMECAREBEDSRW

with the intended use:

Care bed to support the mobilisation and positioning of mobile, movement-impaired and immobile persons/patients.

including the accessories associated with the bed

of class:



Class I

according to class I , regulation 2017/745 annex VIII, #13

meets the provisions of the medical device directive (MDR) 2017/745 and its transpositions in national laws which apply to it. The declaration is valid in connection with the "final inspection report" of the device

Conformity assessment procedure:

Class I, MDR 2017/745 according to Article 19 and Annex IV

Other applicable directives:

RoHS II, 2011 / 65 / EU

Wickede, 31 July 2023

Place, date

CEO 

Thomas Erbslöh, CEO
Name and function

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